

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
 Data File : BF118340.D
 Acq On : 27 Dec 2019 16:17
 Operator : JU
 Sample : K6439-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIED-BF001-01MSD

Manual Integrations
 APPROVED

mohammad
 12/29/2019 5:27:41 PM

Quant Time: Dec 28 01:31:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	156945	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	623815	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	340161	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	651709	20.00	ng	0.00
76) Chrysene-d12	14.05	240	452276	20.00	ng	0.00
87) Perylene-d12	15.54	264	449463	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	1115874	121.37	ng	0.02
7) Phenol-d6	6.50	99	1427780	125.18	ng	0.01
23) Nitrobenzene-d5	7.42	82	851335	78.06	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	514098	122.38	ng	0.01
45) 2-Fluorobiphenyl	9.22	172	1785273	80.11	ng	0.00
79) Terphenyl-d14	12.99	244	2251886	82.60	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.64	88	130831	35.795	ng	99
3) Pyridine	3.40	79	318952	32.753	ng	99
4) n-Nitrosodimethylamine	3.35	42	159546	39.627	ng	100
6) Aniline	6.52	93	432207	29.842	ng	89
8) 2-Chlorophenol	6.65	128	439653	42.221	ng	99
9) Benzaldehyde	6.40	77	244813	36.610	ng	98
10) Phenol	6.51	94	533335	41.603	ng	90
11) bis(2-Chloroethyl)ether	6.59	93	378072	41.238	ng	98
12) 1,3-Dichlorobenzene	6.79	146	473190	39.456	ng	99
13) 1,4-Dichlorobenzene	6.87	146	476690	39.133	ng	99
14) 1,2-Dichlorobenzene	7.02	146	454273	39.500	ng	99
15) Benzyl Alcohol	7.00	79	361109	41.582	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.13	45	389956	39.860	ng	93
17) 2-Methylphenol	7.12	107	348640	41.743	ng	95
18) Hexachloroethane	7.36	117	175193	39.187	ng	98
19) n-Nitroso-di-n-propylamine	7.27	70	288214	41.019	ng	97
20) 3+4-Methylphenols	7.27	107	448301	41.939	ng	91
22) Acetophenone	7.26	105	585900	38.322	ng	# 94
24) Nitrobenzene	7.44	77	426743	39.059	ng	97
25) Isophorone	7.68	82	797318	41.946	ng	100
26) 2-Nitrophenol	7.76	139	248754	42.985	ng	99
27) 2,4-Dimethylphenol	7.79	122	387806	49.116	ng	100
28) bis(2-Chloroethoxy)methane	7.89	93	493483	39.697	ng	100
29) 2,4-Dichlorophenol	8.00	162	379397	41.747	ng	97
30) 1,2,4-Trichlorobenzene	8.08	180	411795	38.898	ng	98
31) Naphthalene	8.16	128	1281168	40.407	ng	100
32) Benzoic acid	7.94	122	230052	36.100	ng	94
33) 4-Chloroaniline	8.21	127	219095	16.119	ng	98
34) Hexachlorobutadiene	8.27	225	240588	38.178	ng	99
35) Caprolactam	8.59	113	120633m	42.517	ng	
36) 4-Chloro-3-methylphenol	8.71	107	402360	41.237	ng	97
37) 2-Methylnaphthalene	8.86	142	891997	41.091	ng	100
38) 1-Methylnaphthalene	8.96	142	831672	40.664	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.03	216	391091	38.266	ng	99

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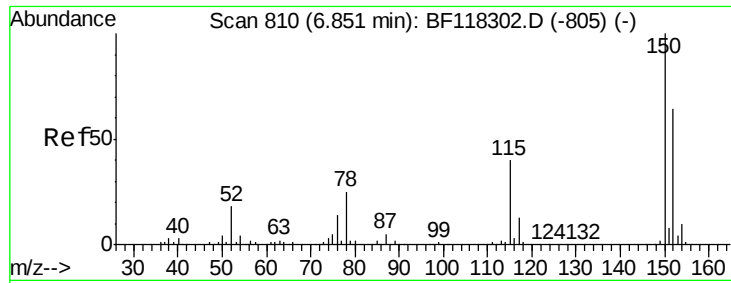
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 12/29/2019 5:27:41 PM

Quant Time: Dec 28 01:31:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	308305	72.579	ng	98
43) 2,4,6-Trichlorophenol	9.14	196	271755	39.801	ng	99
44) 2,4,5-Trichlorophenol	9.19	196	285085	40.588	ng	99
46) 1,1'-Biphenyl	9.32	154	1066358	39.635	ng	99
47) 2-Chloronaphthalene	9.35	162	832444	38.443	ng	97
48) 2-Nitroaniline	9.45	65	233080	38.108	ng	90
49) Acenaphthylene	9.77	152	1330642	41.434	ng	100
50) Dimethylphthalate	9.62	163	1147657	44.947	ng	99
51) 2,6-Dinitrotoluene	9.69	165	225457	40.956	ng	93
52) Acenaphthene	9.94	154	765056	39.110	ng	99
53) 3-Nitroaniline	9.86	138	136563	21.136	ng	98
54) 2,4-Dinitrophenol	9.98	184	190161	69.256	ng	94
55) Dibenzofuran	10.11	168	1164609	40.292	ng	96
56) 4-Nitrophenol	10.04	139	333943	83.723	ng	91
57) 2,4-Dinitrotoluene	10.10	165	304132	41.346	ng	92
58) Fluorene	10.46	166	937149	40.164	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.23	232	237948	39.870	ng	99
60) Diethylphthalate	10.33	149	1036725	41.041	ng	100
61) 4-Chlorophenyl-phenylether	10.45	204	470876	40.426	ng	95
62) 4-Nitroaniline	10.49	138	242429	36.118	ng	95
63) Azobenzene	10.60	77	894111	41.323	ng	97
65) 4,6-Dinitro-2-methylphenol	10.52	198	148458	42.227	ng	94
66) n-Nitrosodiphenylamine	10.57	169	840821	40.255	ng	98
67) 4-Bromophenyl-phenylether	10.93	248	297636	39.025	ng	93
68) Hexachlorobenzene	11.01	284	341074	37.992	ng	94
69) Atrazine	11.10	200	294040	45.613	ng	96
70) Pentachlorophenol	11.21	266	306085	78.726	ng	99
71) Phenanthrene	11.42	178	1403978	39.518	ng	100
72) Anthracene	11.47	178	1472761	41.415	ng	100
73) Carbazole	11.63	167	1267265	40.161	ng	98
74) Di-n-butylphthalate	11.95	149	1701362	42.523	ng	99
75) Fluoranthene	12.62	202	1459132	40.695	ng	96
77) Benzidine	12.74	184	858987	69.314	ng	98
78) Pyrene	12.85	202	1453611	39.358	ng	99
80) Butylbenzylphthalate	13.46	149	712655	42.855	ng	95
81) Benzo(a)anthracene	14.04	228	1259472	39.784	ng	99
82) 3,3'-Dichlorobenzidine	14.00	252	334465	31.160	ng	98
83) Chrysene	14.08	228	1199810	39.580	ng	100
84) Bis(2-ethylhexyl)phthalate	14.02	149	1047734	47.915	ng	99
85) Di-n-octyl phthalate	14.63	149	1655431	51.467	ng	99
86) Indeno(1,2,3-cd)pyrene	17.07	276	1211661	46.911	ng	100
88) Benzo(b)fluoranthene	15.10	252	1114227	37.346	ng	99
89) Benzo(k)fluoranthene	15.13	252	1140120	39.799	ng	99
90) Benzo(a)pyrene	15.48	252	998324	37.984	ng	98
91) Dibenzo(a,h)anthracene	17.07	278	1024248	44.908	ng	99
92) Benzo(g,h,i)perylene	17.52	276	1001199	45.443	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

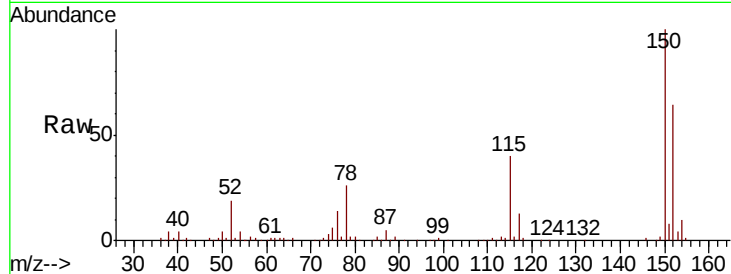
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.4	188.2
115	62.5	50.2	75.4

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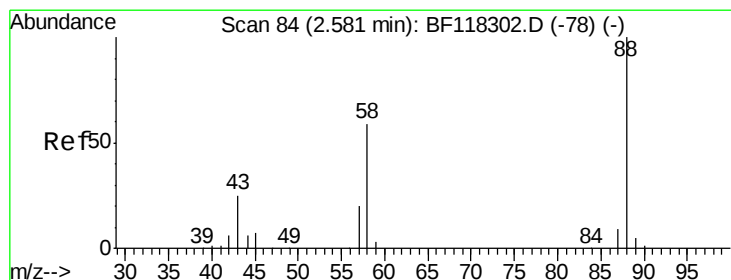
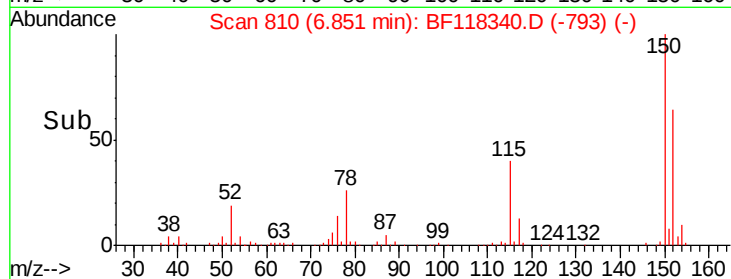
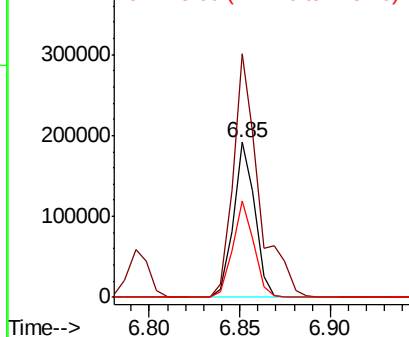


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

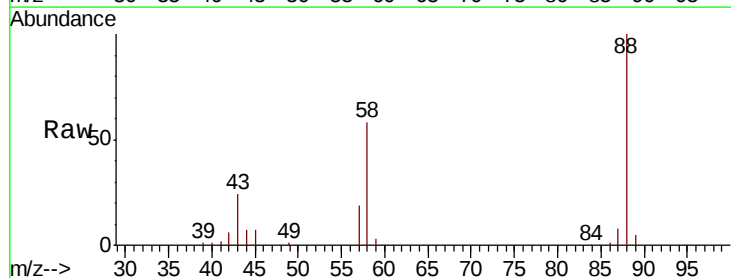
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 35.795 ng
RT: 2.64 min Scan# 94
Delta R.T. 0.06 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	59.8	47.6	71.4
43	25.1	20.6	30.8

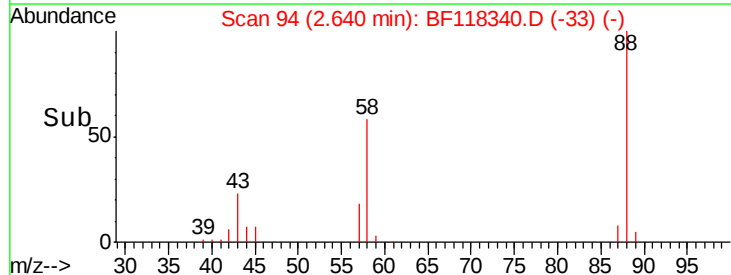
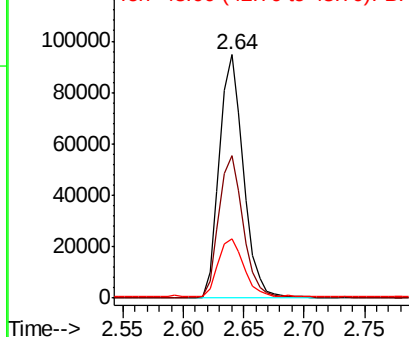


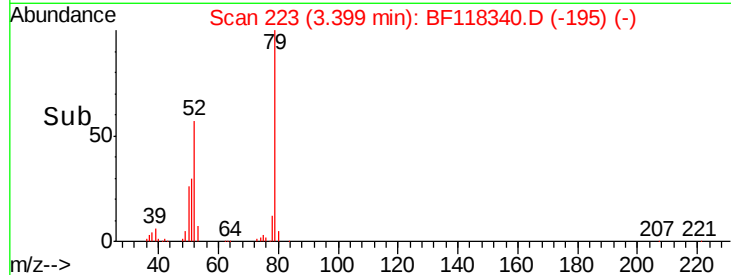
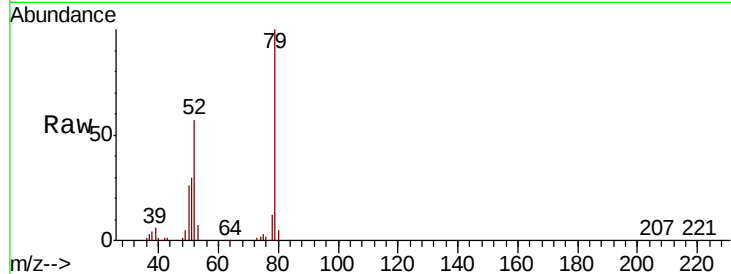
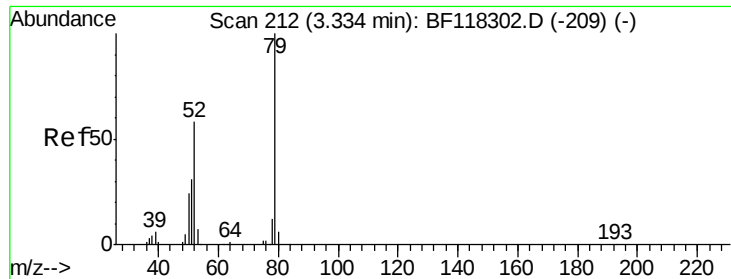
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





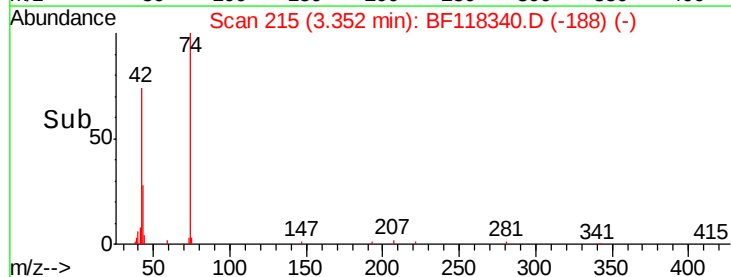
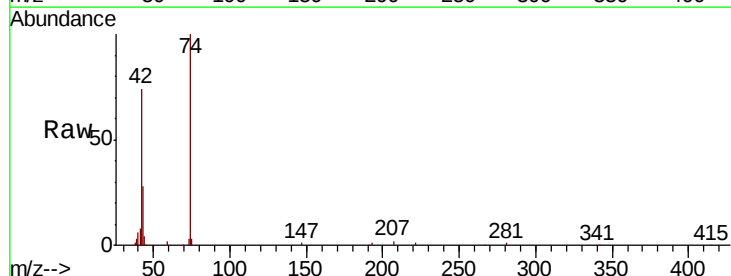
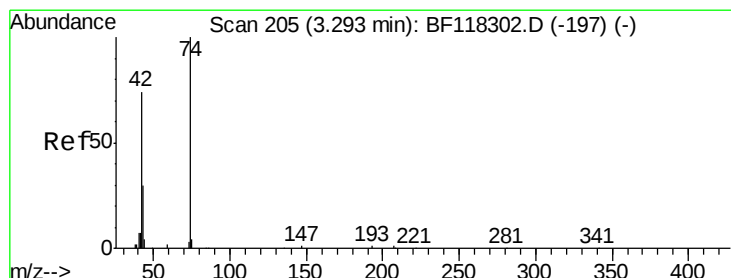
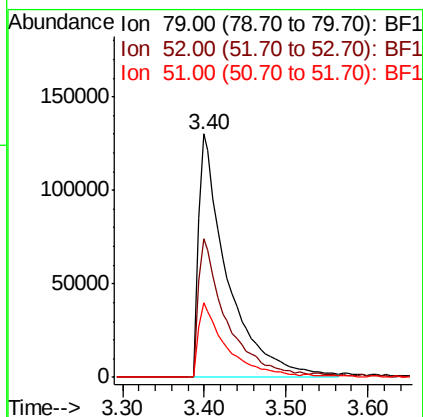
#3
 Pvridine
 Concen: 32.753 ng
 RT: 3.40 min Scan# 223
 Delta R.T. 0.06 min
 Lab File: BF118340.D
 Acq: 27 Dec 2019 16:17

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	79	100	318952		
52	52	57.0		46.4	69.6
51	51	30.4		24.9	37.3

Instrument :
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 LIED-BF001-01MSD

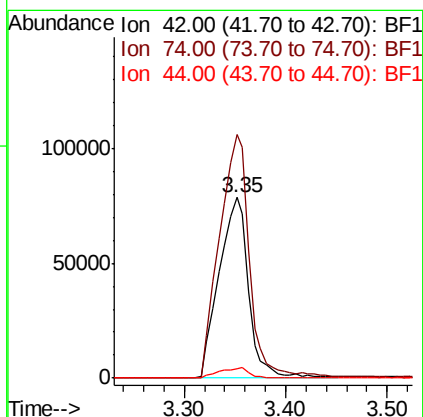
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#4
 n-Nitrosodimethylamine
 Concen: 39.627 ng
 RT: 3.35 min Scan# 215
 Delta R.T. 0.06 min
 Lab File: BF118340.D
 Acq: 27 Dec 2019 16:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100	159546		
74	74	134.7		107.7	161.5
44	44	5.2		4.8	7.2





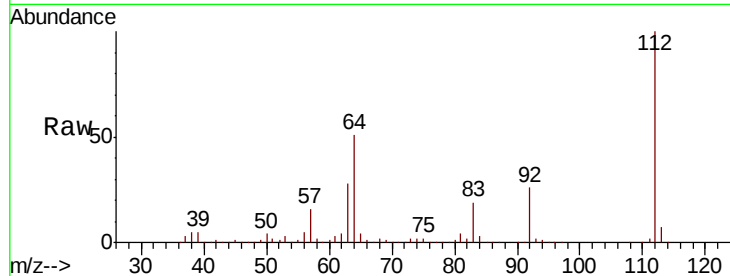
#5
2-Fluorophenol
Concen: 121.366 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.02 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

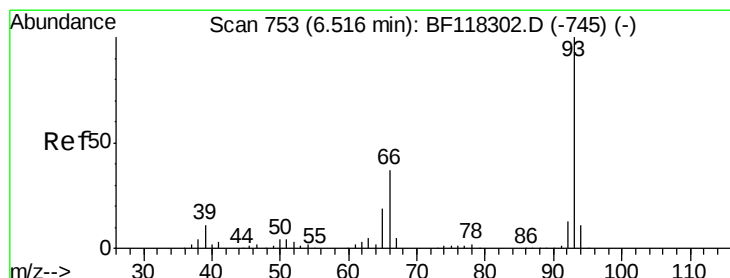
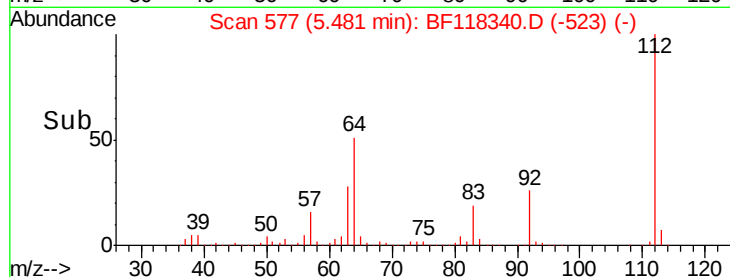
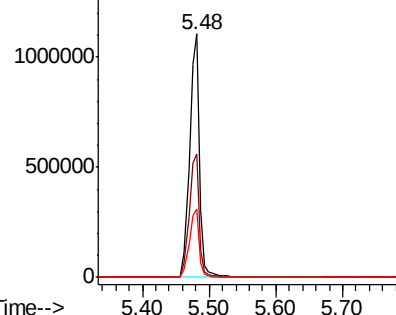
Tot Ion: 112 Resp: 1115874
Ion Ratio Lower Upper
112 100
64 50.7 39.7 59.5
63 27.8 21.7 32.5

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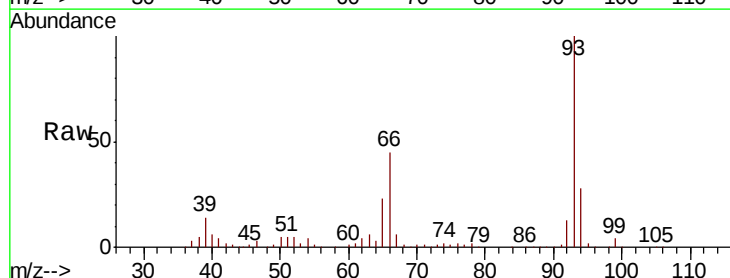


Abundance Ion 112.00 (111.70 to 112.70): BF1
1500000 Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1

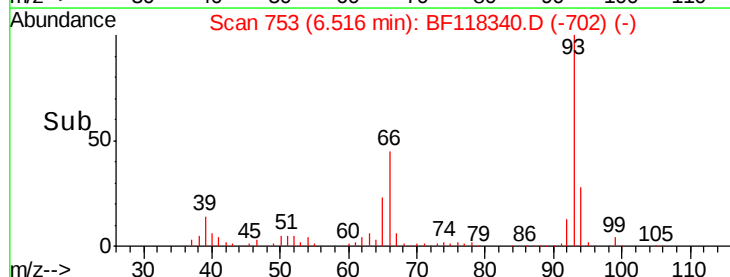
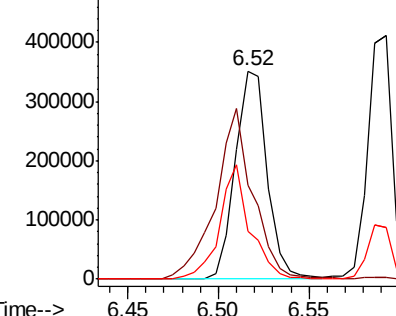


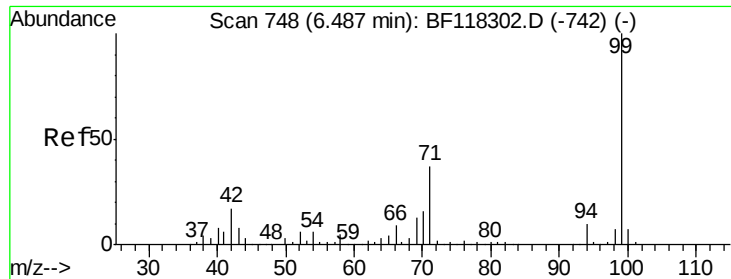
#6
Aniline
Concen: 29.842 ng
RT: 6.52 min Scan# 753
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion: 93 Resp: 432207
Ion Ratio Lower Upper
93 100
66 44.9 30.2 45.4
65 23.3 15.7 23.5



Abundance Ion 93.00 (92.70 to 93.70): BF1
500000 Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 125.181 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MSD

Tot Ion: 99 Resp: 1427780

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

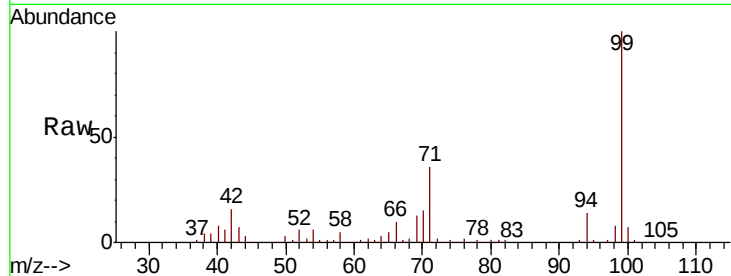
71 35.8 29.4 44.2

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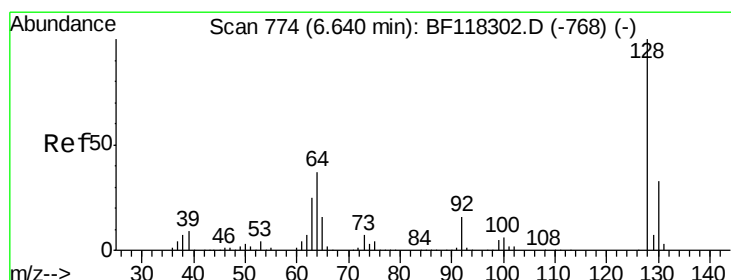
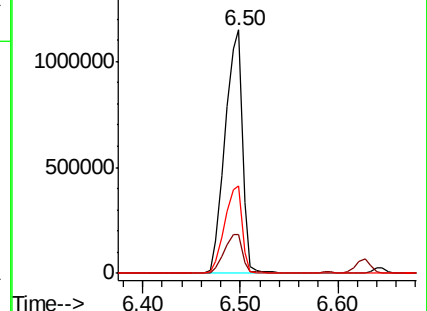
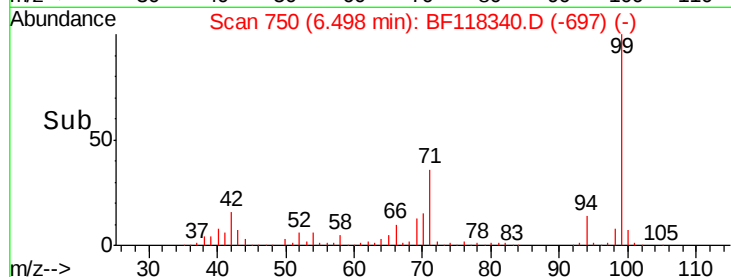
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 42.221 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

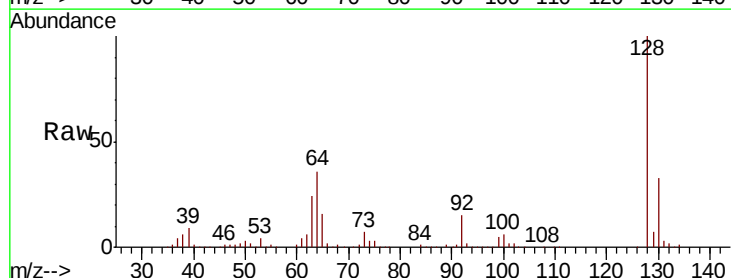
Tgt Ion: 128 Resp: 439653

Ion Ratio Lower Upper

128 100

130 33.2 13.2 53.2

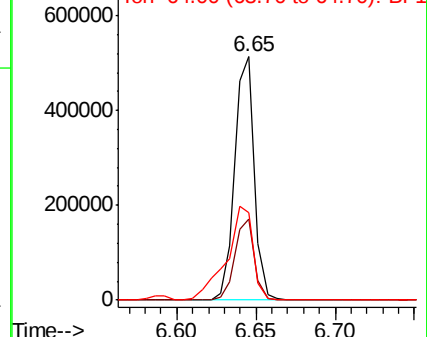
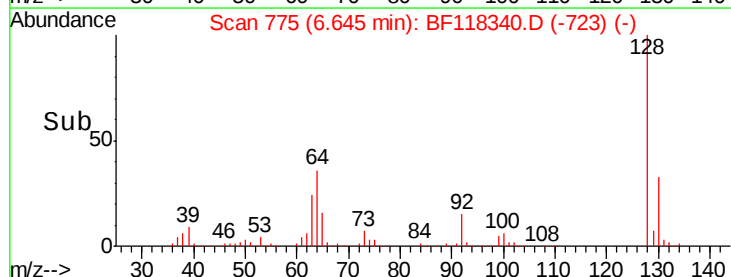
64 36.1 17.7 57.7

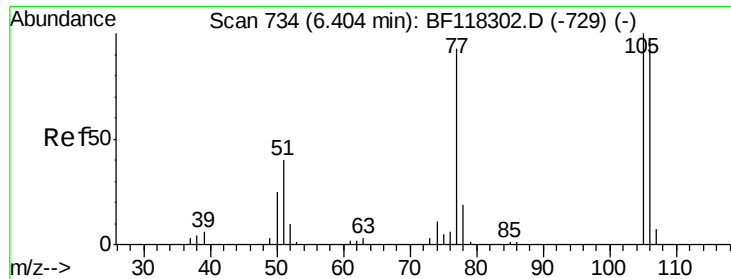


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 36.610 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Instrument :

BNA_F

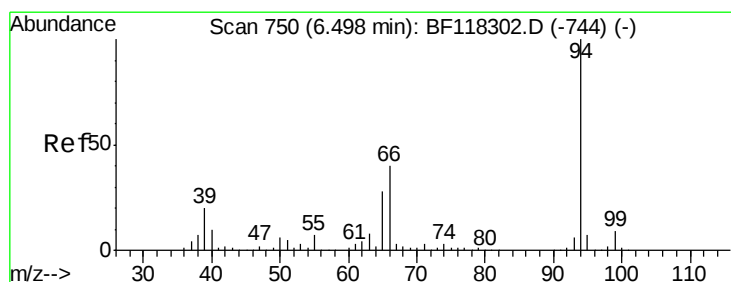
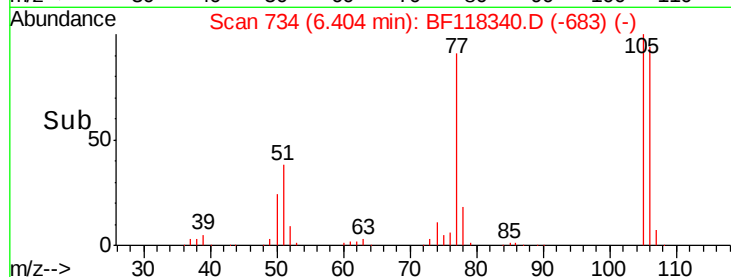
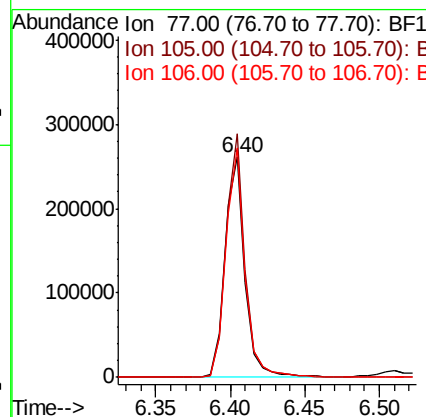
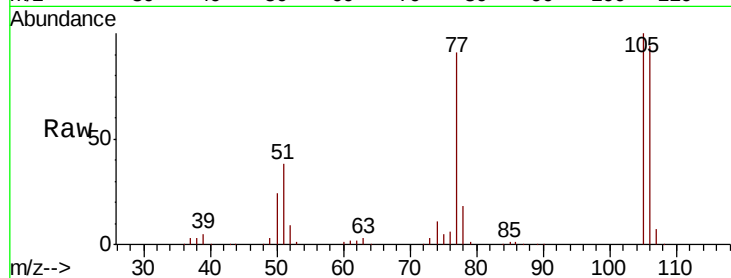
ClientSampleId :

LIED-BF001-01MSD

Tot Ion:	77	Resp:	244813
Ion	Ratio	Lower	Upper
77	100		
105	110.4	87.5	127.5
106	103.8	83.6	123.6

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#10

Phenol

Concen: 41.603 ng

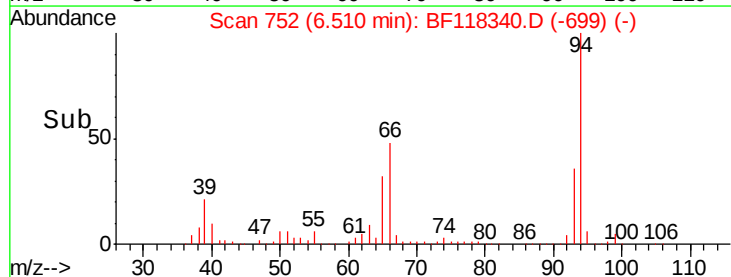
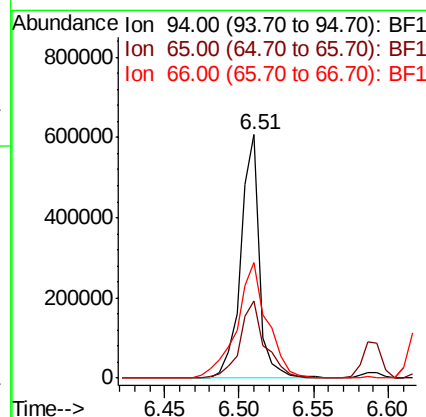
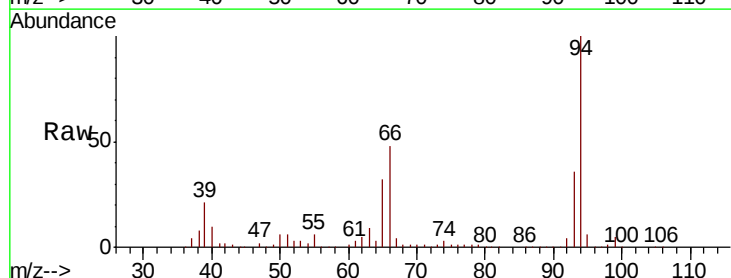
RT: 6.51 min Scan# 752

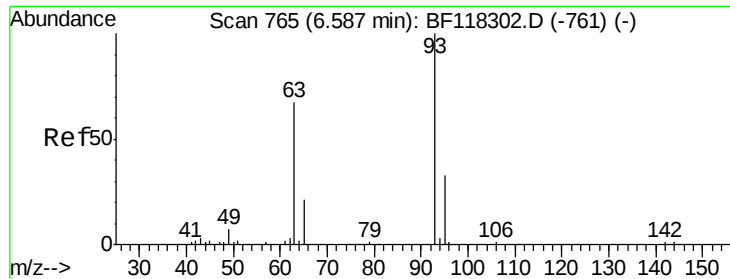
Delta R.T. 0.01 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Tgt Ion:	94	Resp:	533335
Ion	Ratio	Lower	Upper
94	100		
65	31.7	7.8	47.8
66	47.5	20.4	60.4





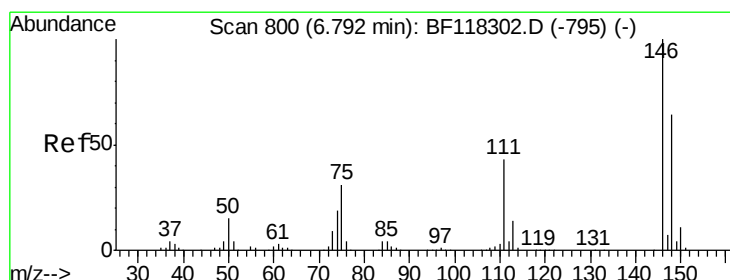
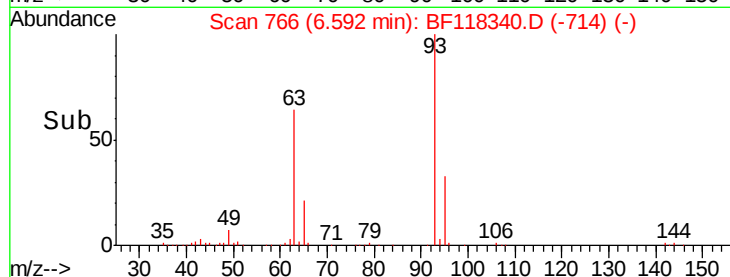
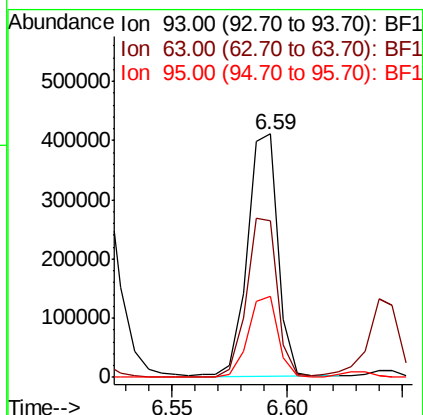
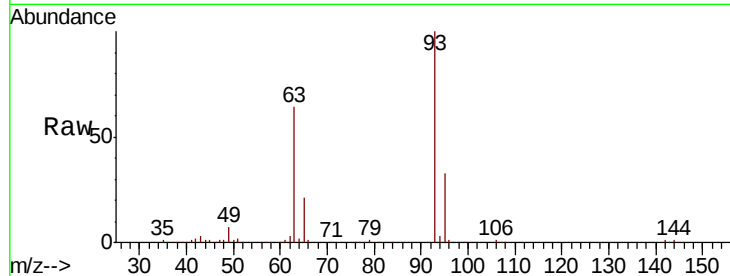
#11
bis(2-Chloroethyl)ether
Concen: 41.238 ng
RT: 6.59 min Scan# 766
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	64.3	47.0	87.0
95	33.2	12.8	52.8

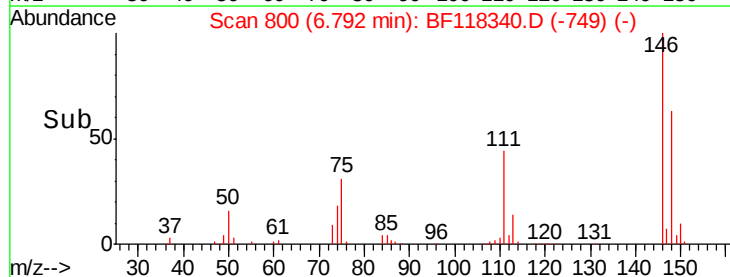
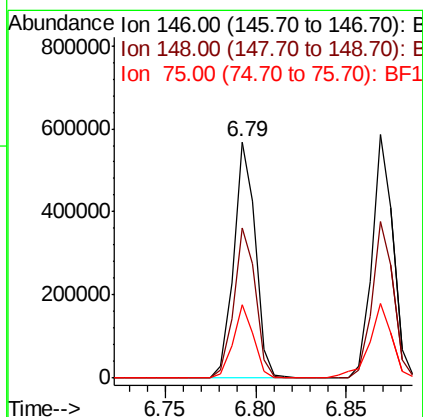
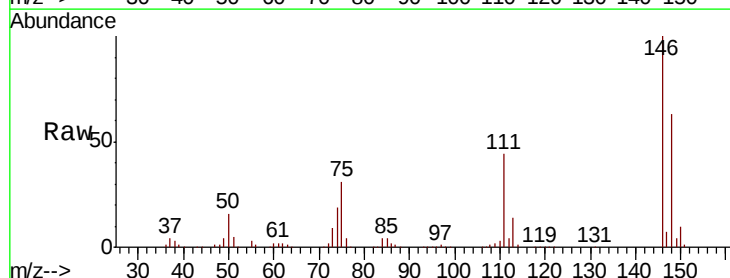
Manual Integrations
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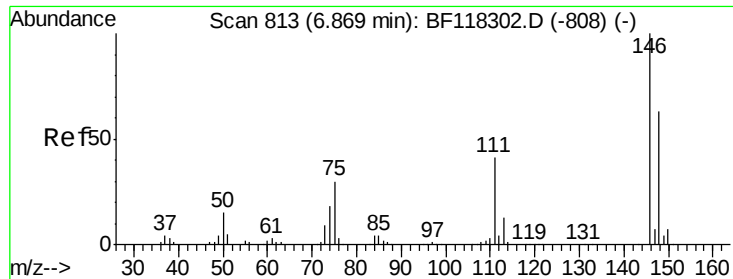
mohammad
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#12
1,3-Dichlorobenzene
Concen: 39.456 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.4	77.0
75	31.0	24.4	36.6





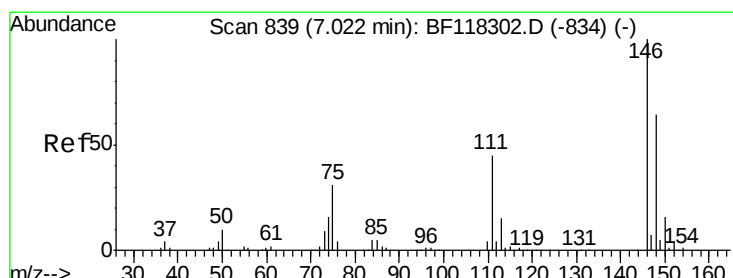
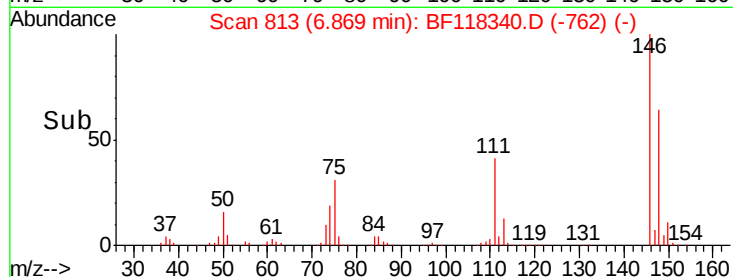
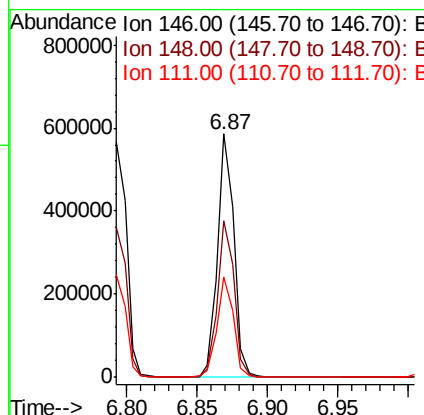
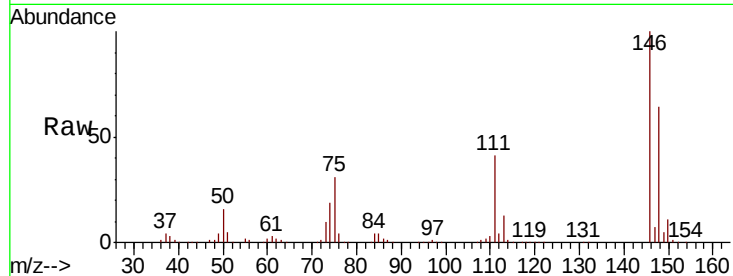
#13
1,4-Dichlorobenzene
Concen: 39.133 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.3	75.5
111	41.4	32.8	49.2

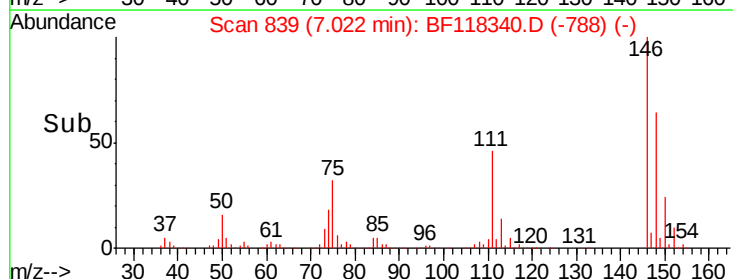
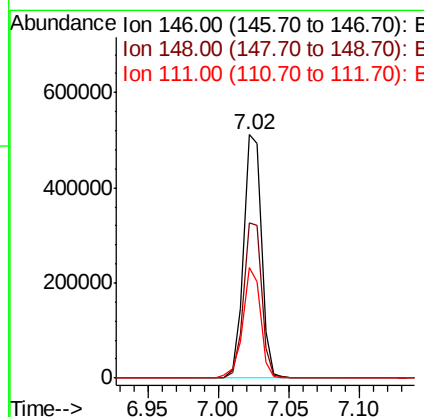
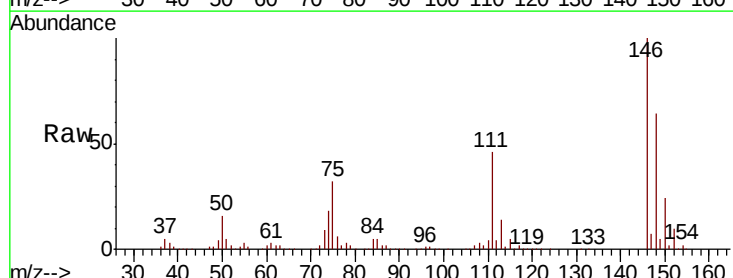
Manual Integrations
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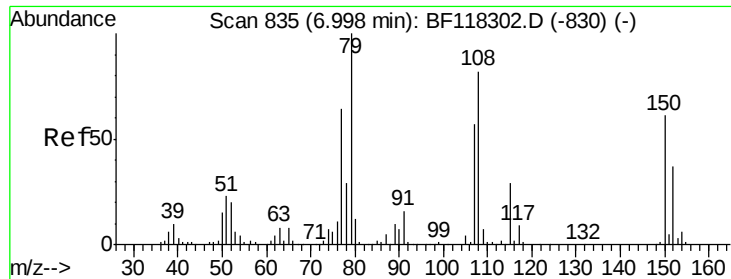
mohammad
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#14
1,2-Dichlorobenzene
Concen: 39.500 ng
RT: 7.02 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.3	76.9
111	45.5	35.7	53.5





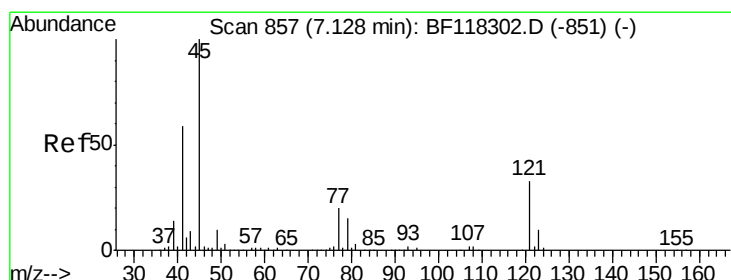
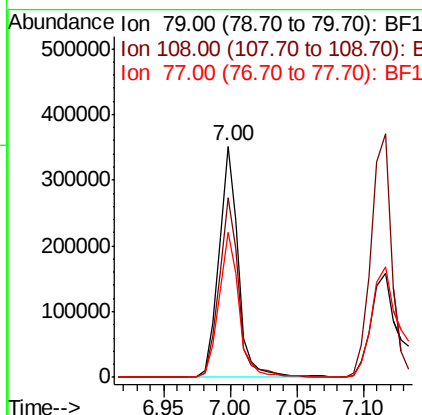
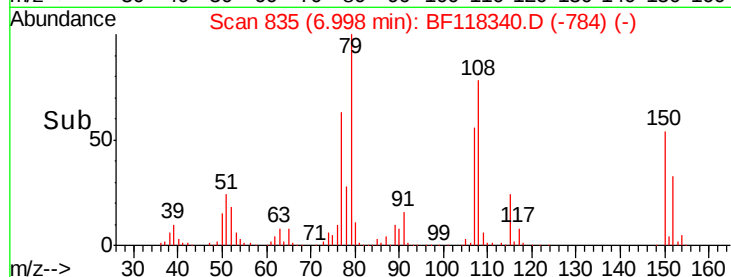
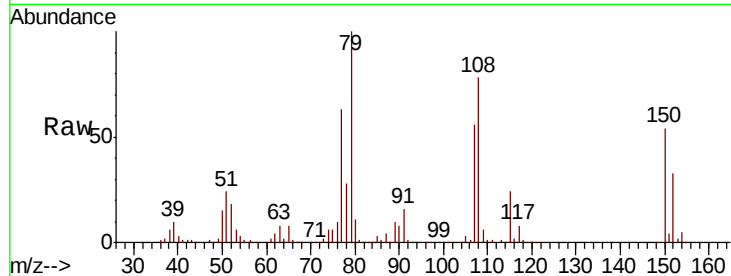
#15
Benzyl Alcohol
Concen: 41.582 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	77.6	65.4	98.0
77	63.0	51.4	77.0

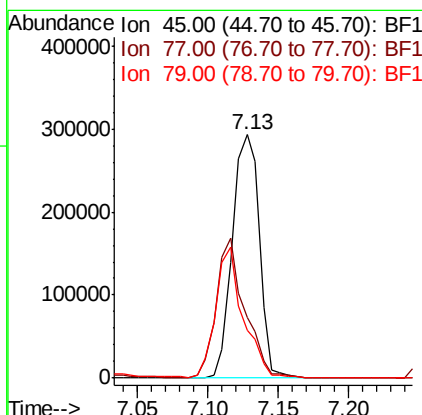
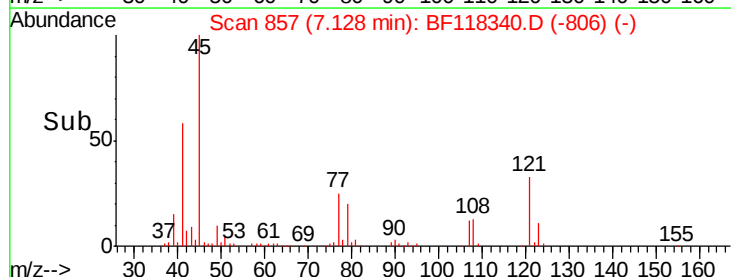
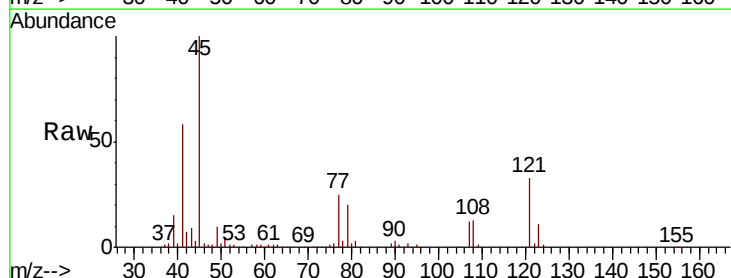
Manual Integrations
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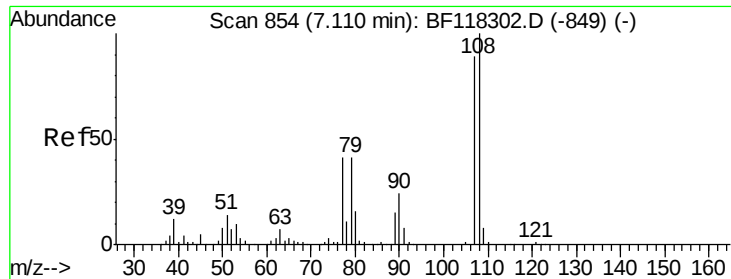
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#16
2,2'-oxybis(1-chloropropane)
Concen: 39.860 ng
RT: 7.13 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
45	100		
77	24.8	1.2	41.2
79	19.6	0.0	37.0





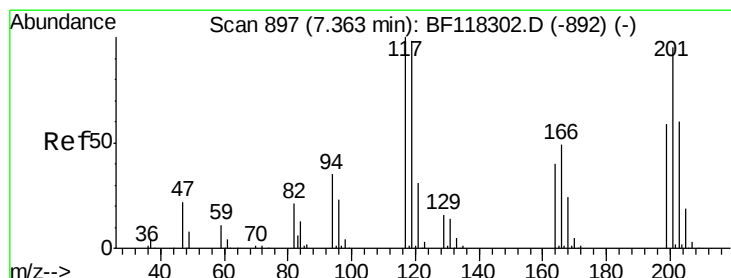
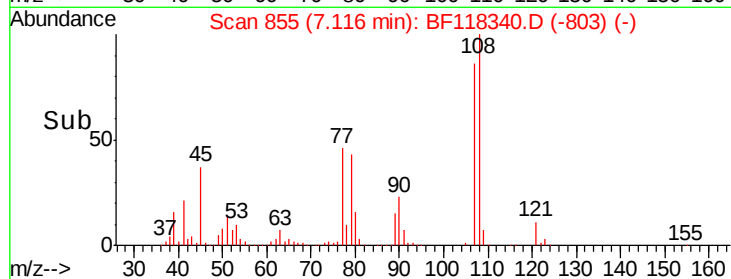
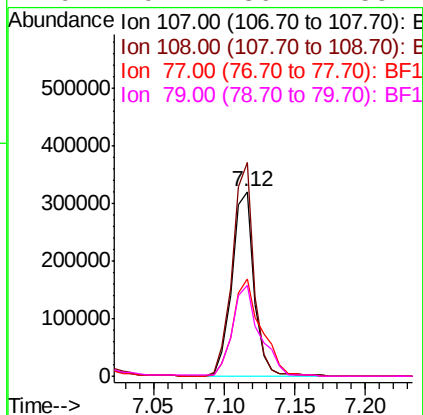
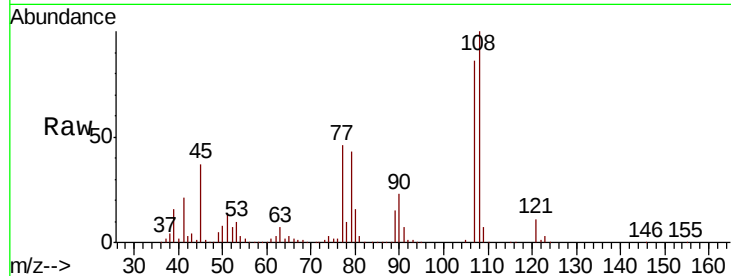
#17
2-Methylphenol
Concen: 41.743 ng
RT: 7.12 min Scan# 855
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	115.7	89.7	134.5
77	52.7	37.2	55.8
79	49.4	36.7	55.1

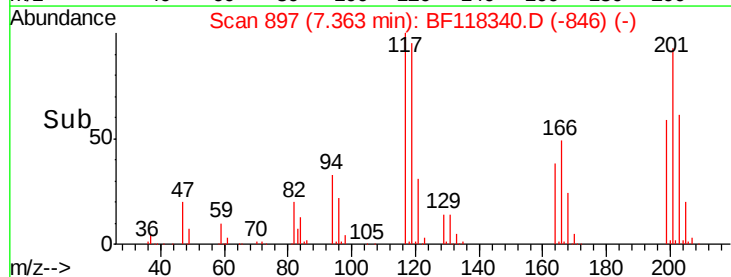
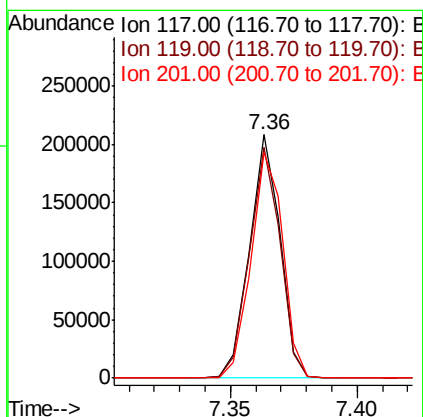
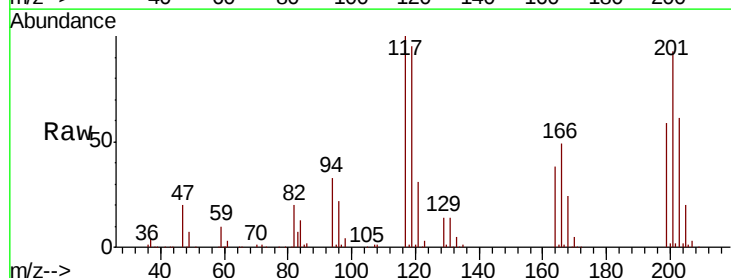
Manual Integrations
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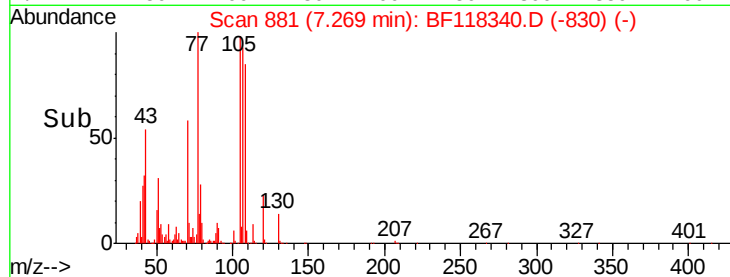
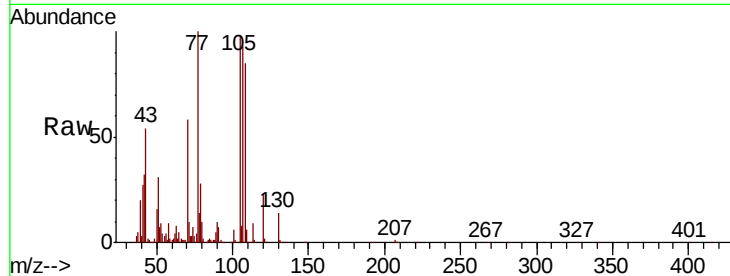
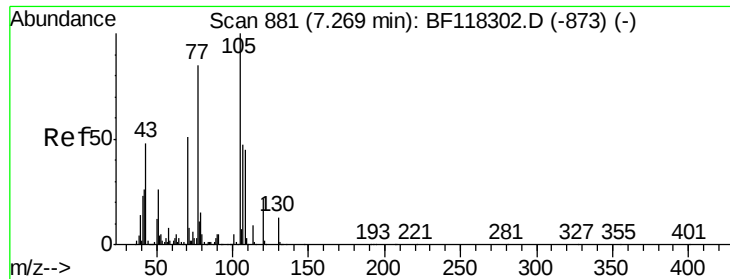
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#18
Hexachloroethane
Concen: 39.187 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.0	117.0
201	92.8	76.2	114.2





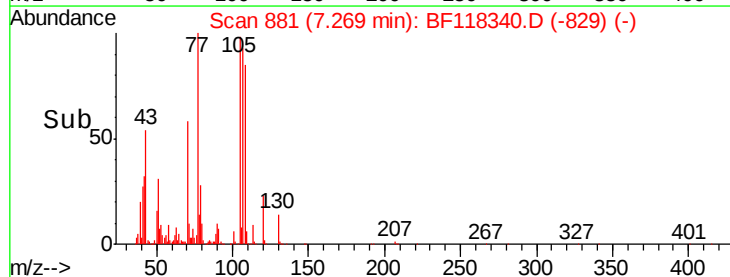
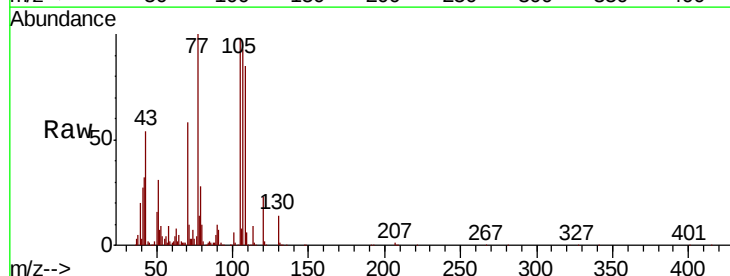
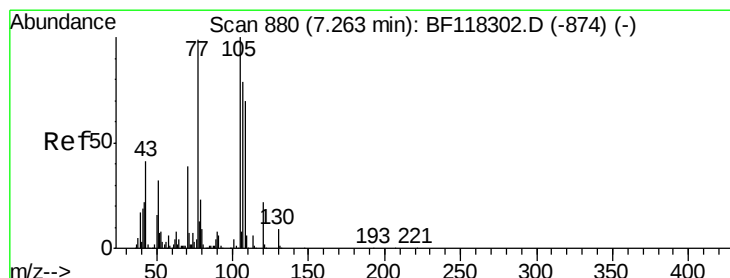
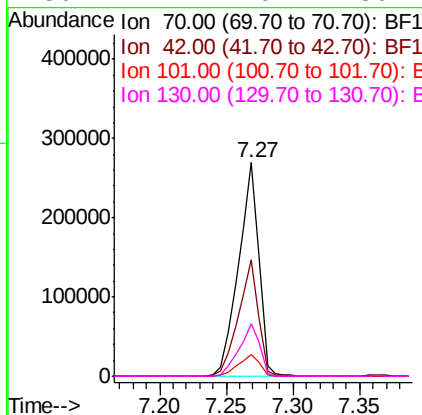
#19
n-Nitroso-di-n-propylamine
Concen: 41.019 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	54.3	41.1	61.7
101	10.0	8.3	12.5
130	24.4	20.1	30.1

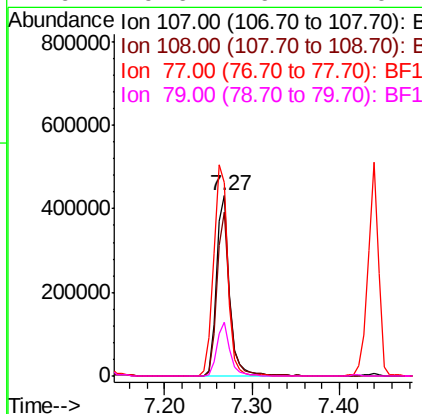
Manual Integrations
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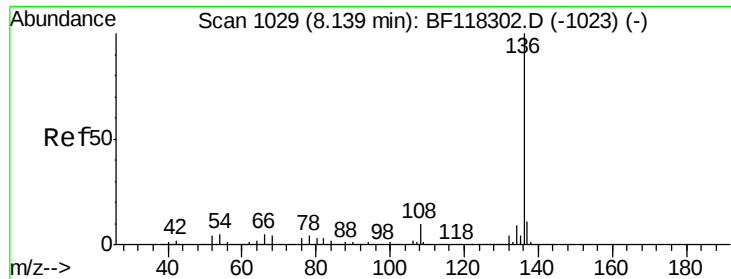
mohammad
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#20
3+4-Methylphenols
Concen: 41.939 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.9	69.3	109.3
77	107.3	105.9	145.9
79	29.6	9.2	49.2





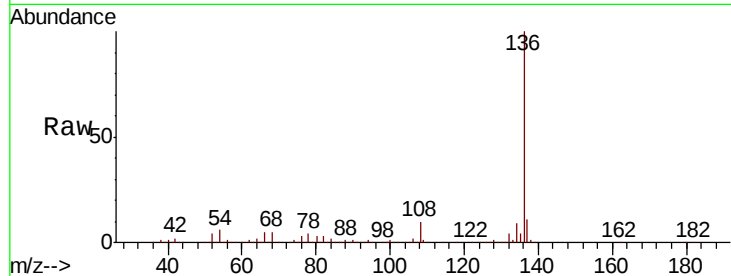
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	623815		
137	10.7		8.9	13.3
54	5.5		4.2	6.4
68	4.6		3.5	5.3

Manual Integrations
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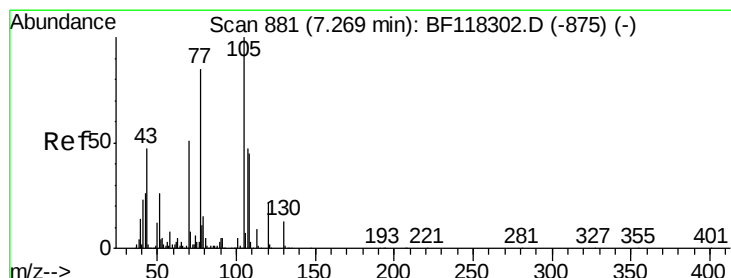
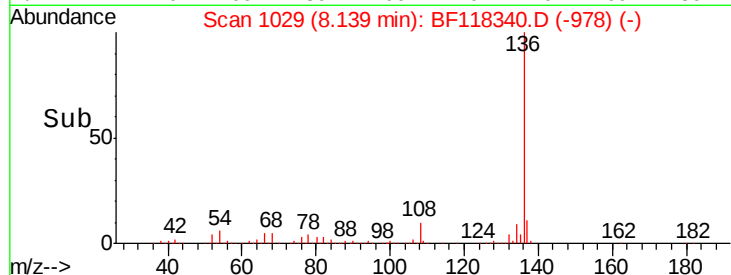
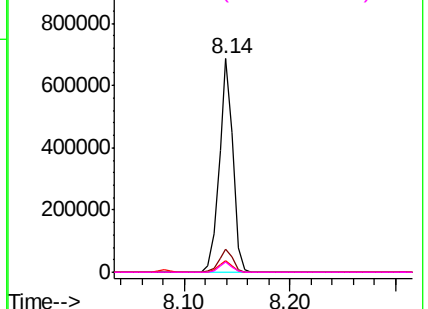
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 38.322 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	585900		
71	5.7		6.6	9.8#
51	30.7		20.6	30.8
120	22.6		18.0	27.0

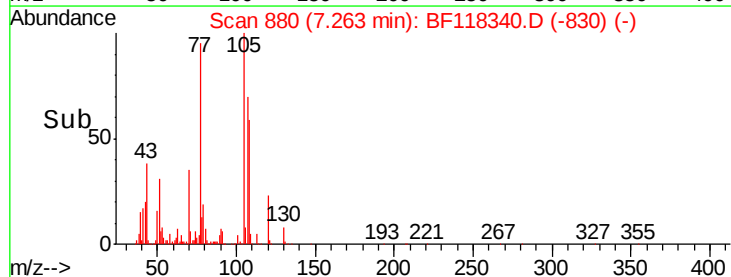
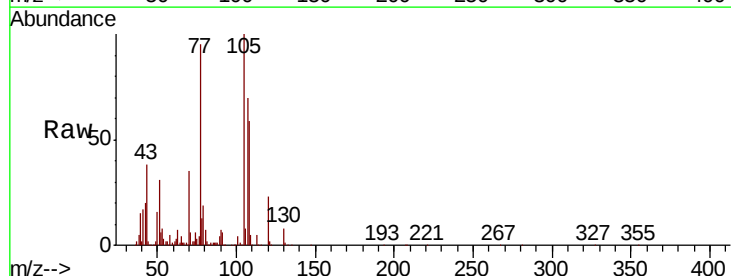
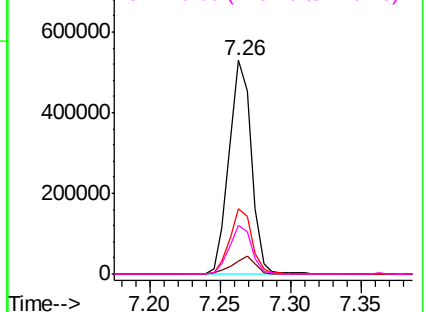
Abundance

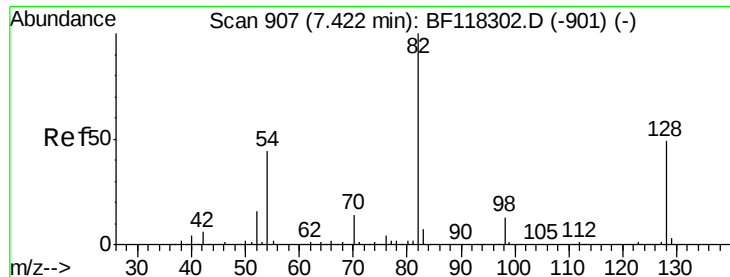
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





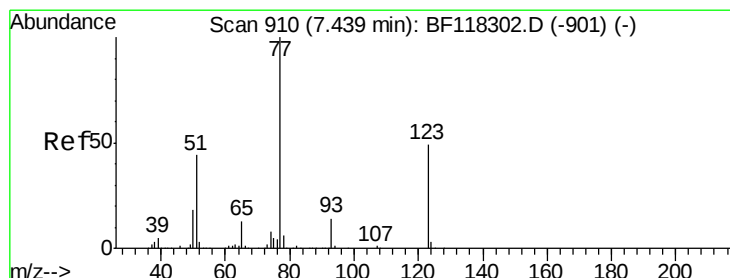
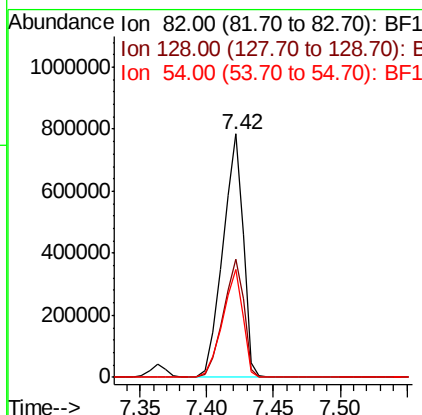
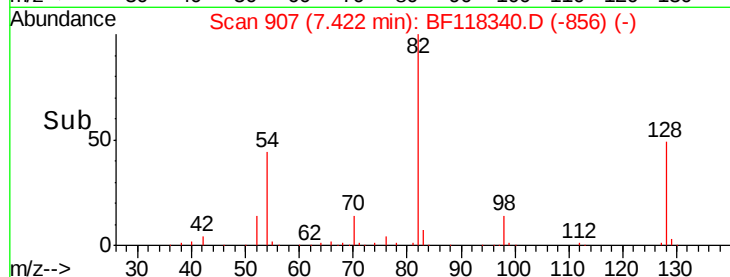
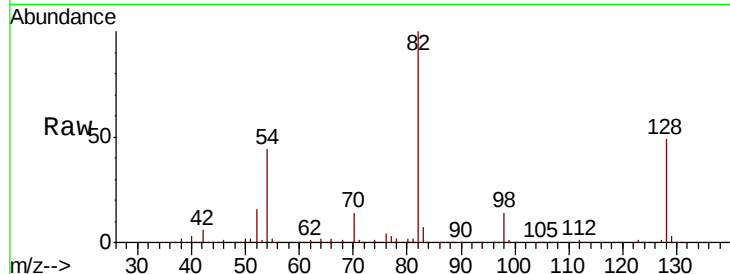
#23
 Nitrobenzene-d5
 Concen: 78.055 ng
 RT: 7.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: BF118340.D
 Acq: 27 Dec 2019 16:17

Instrument :
 BNA_F
 ClientSampleId :
 LIED-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	851335		
128	48.5		39.6	59.4
54	44.3		34.9	52.3

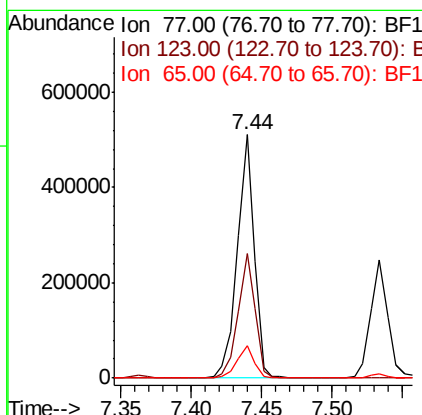
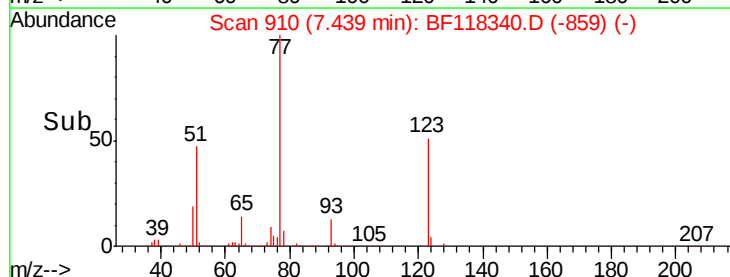
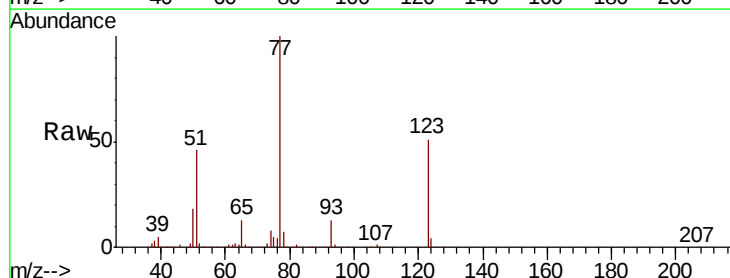
Manual Integrations
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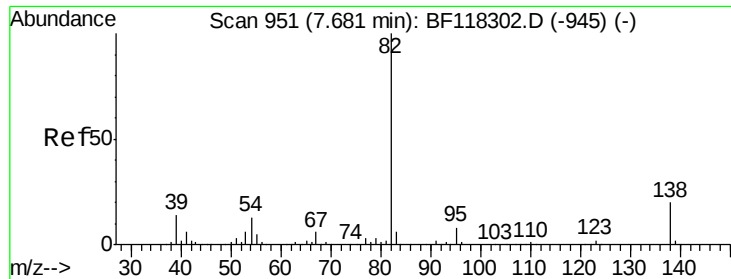
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#24
 Nitrobenzene
 Concen: 39.059 ng
 RT: 7.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: BF118340.D
 Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	426743		
123	51.4		39.1	58.7
65	13.5		10.6	16.0





#25

Isophorone

Concen: 41.946 ng

RT: 7.68 min Scan# 951

Delta R.T. 0.00 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Instrument :

BNA_F

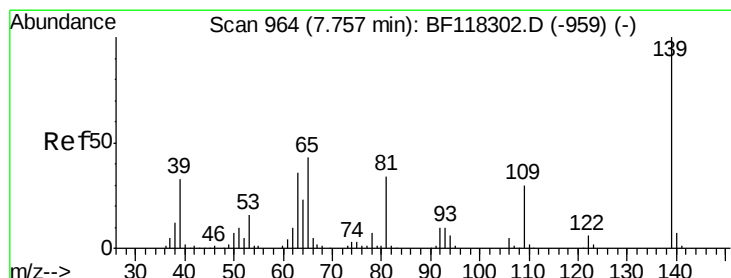
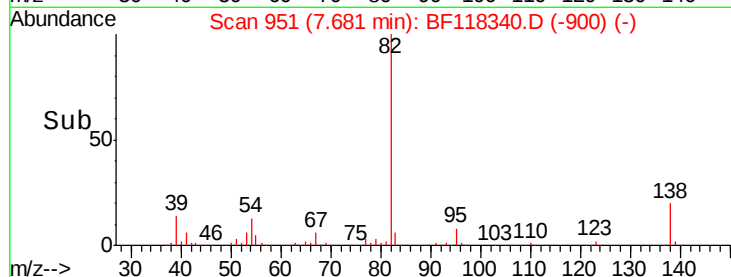
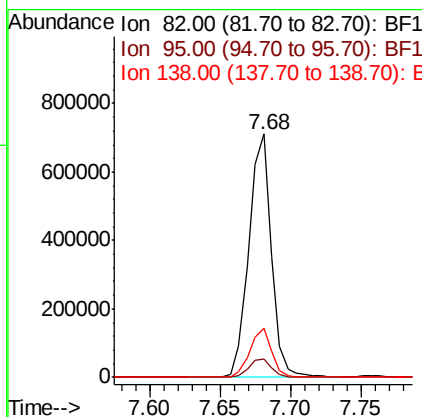
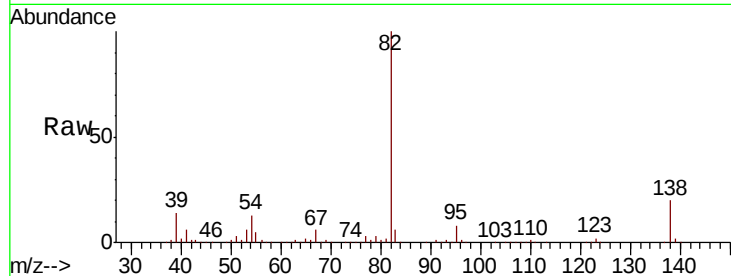
ClientSampleId :

LIED-BF001-01MSD

Tot Ion:	82	Resp:	797318
Ion Ratio	Lower	Upper	
82	100		
95	7.6	6.3	9.5
138	20.1	16.2	24.2

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#26

2-Nitrophenol

Concen: 42.985 ng

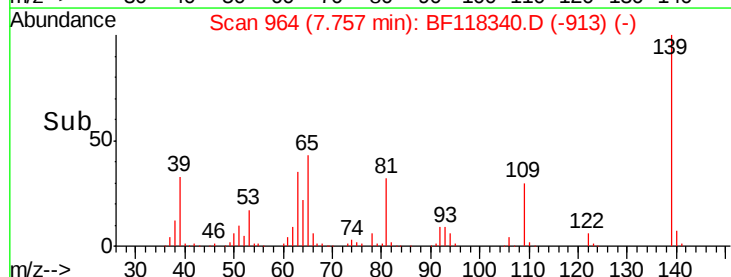
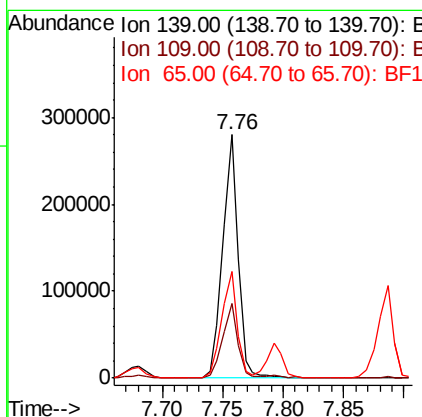
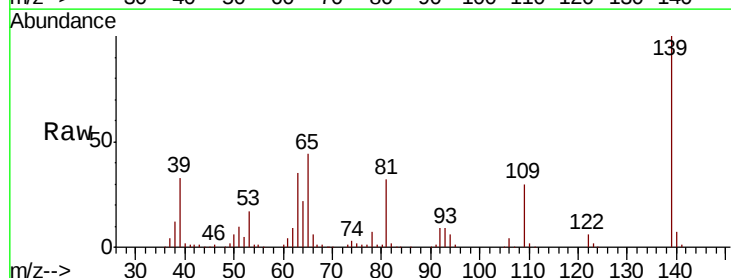
RT: 7.76 min Scan# 964

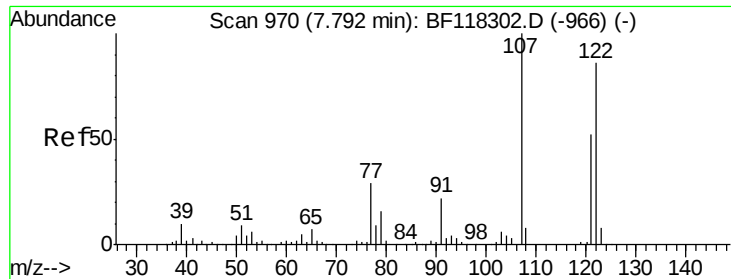
Delta R.T. 0.00 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Tgt Ion:	139	Resp:	248754
Ion Ratio	Lower	Upper	
139	100		
109	30.5	24.1	36.1
65	43.7	34.6	52.0





#27

2,4-Dimethylphenol

Concen: 49.116 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.00 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Instrument :

BNA_F

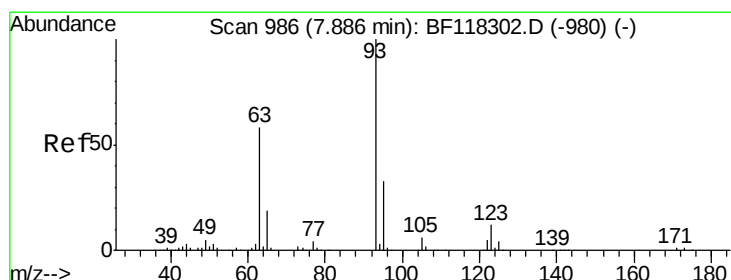
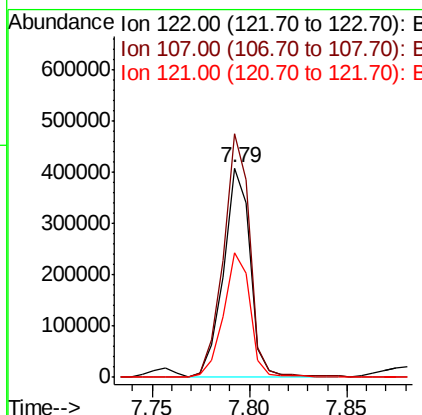
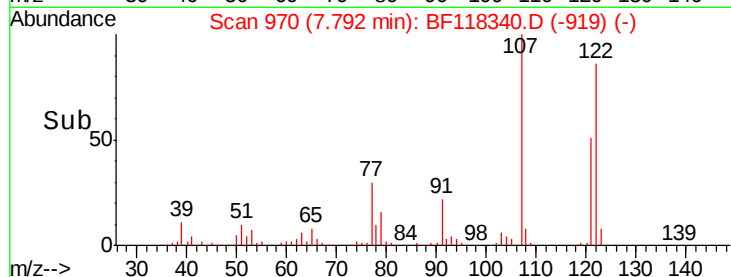
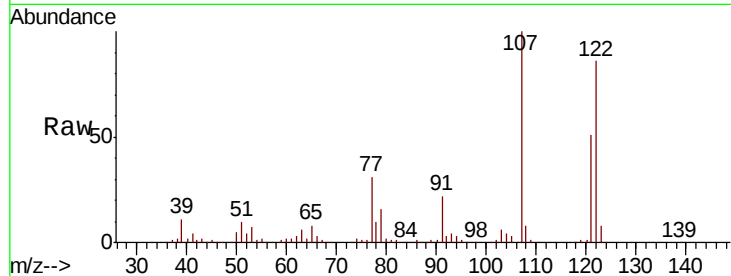
ClientSampleId :

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Tot Ion:	122	Resp:	387806
Ion Ratio	Lower	Upper	
122	100		
107	116.2	92.9	139.3
121	59.7	47.9	71.9

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#28

bis(2-Chloroethoxy)methane

Concen: 39.697 ng

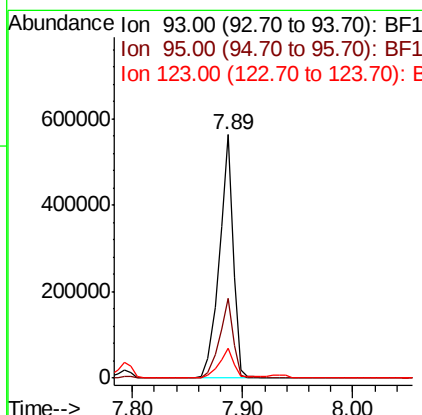
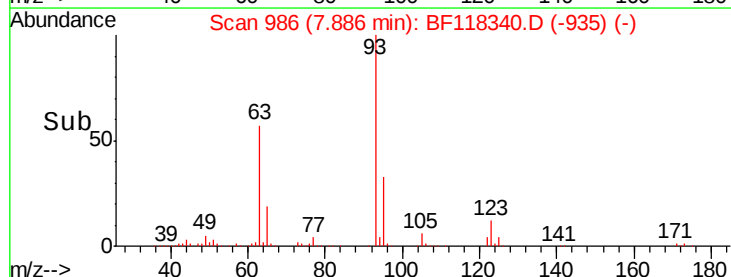
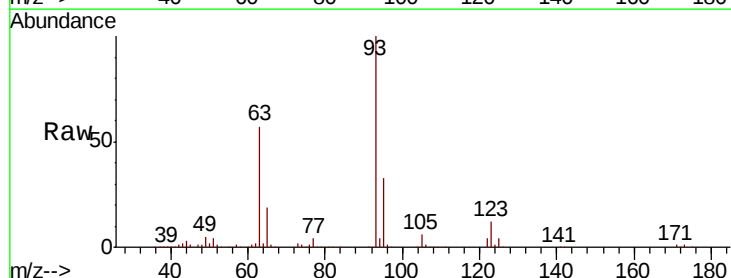
RT: 7.89 min Scan# 986

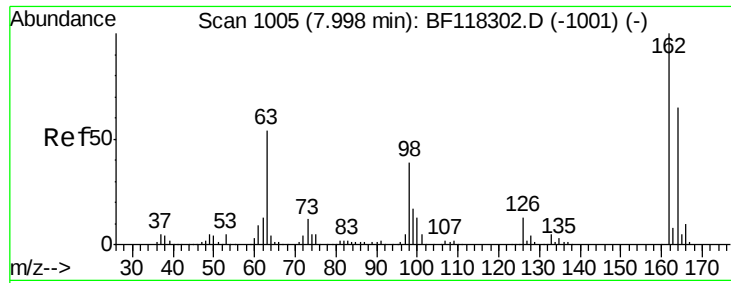
Delta R.T. 0.00 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Tgt Ion:	93	Resp:	493483
Ion Ratio	Lower	Upper	
93	100		
95	32.6	26.2	39.4
123	12.3	9.8	14.8





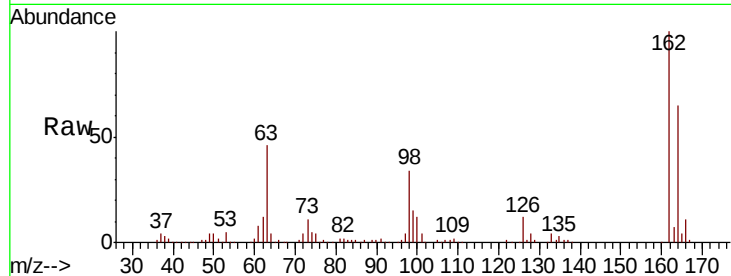
#29
 2,4-Dichlorophenol
 Concen: 41.747 ng
 RT: 8.00 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: BF118340.D
 Acq: 27 Dec 2019 16:17

Instrument :
 BNA_F
 ClientSampleId :
 LIED-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	379397		
164	65.0	45.1	85.1	
98	34.1	18.6	58.6	

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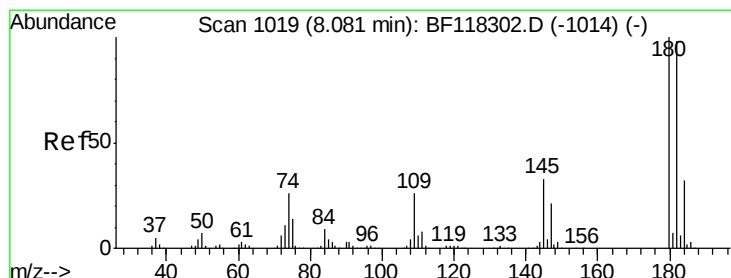
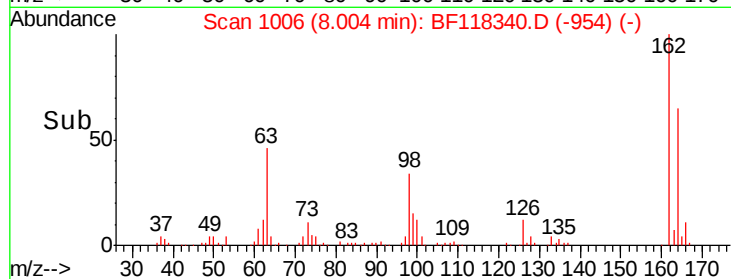
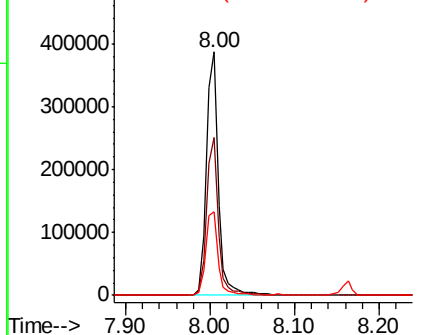


Abundance

Ion 162.00 (161.70 to 162.70): E

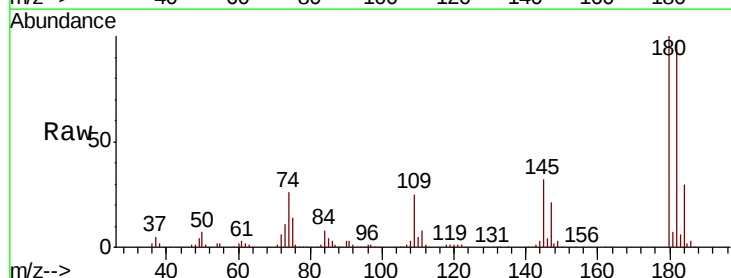
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 38.898 ng
 RT: 8.08 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: BF118340.D
 Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	411795		
182	96.7	78.3	117.5	
145	31.9	26.7	40.1	

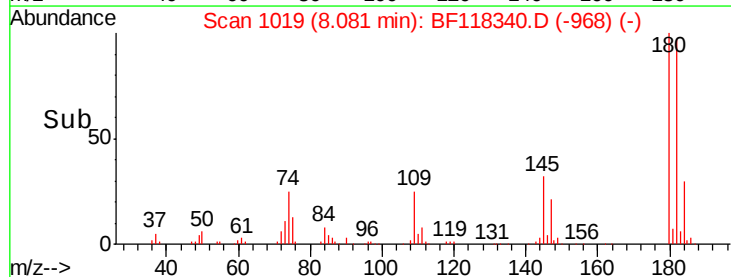
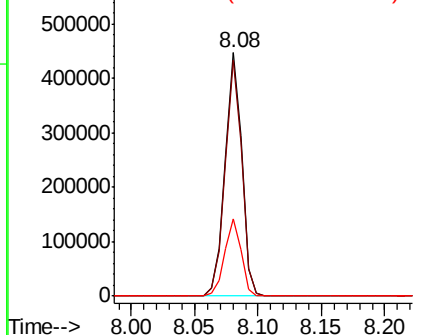


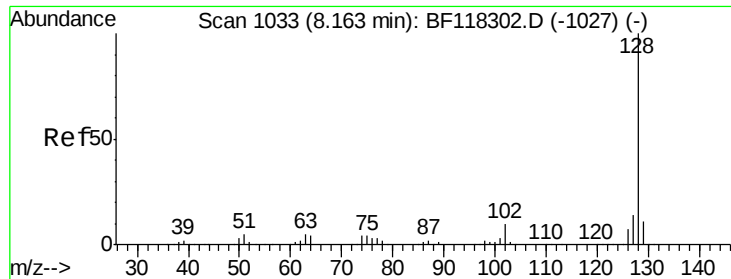
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





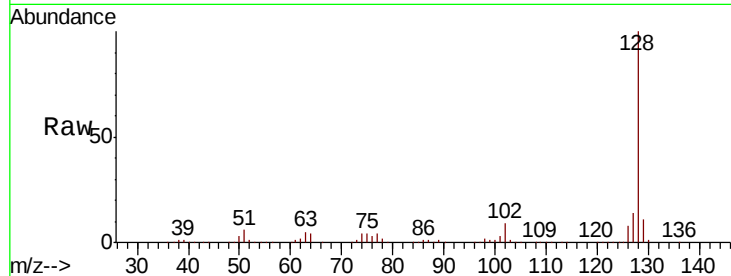
#31
Naphthalene
Concen: 40.407 ng
RT: 8.16 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

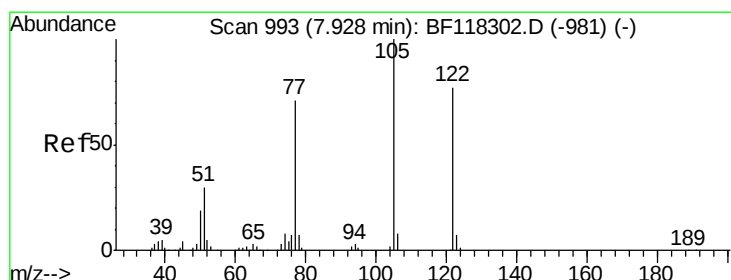
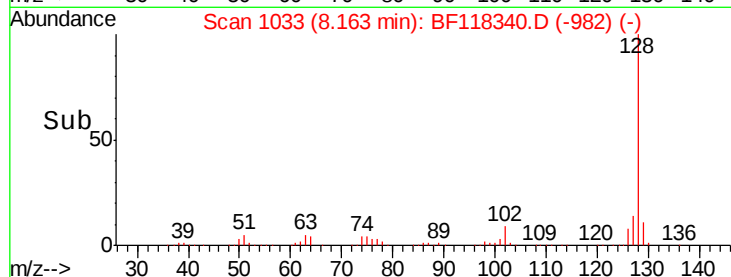
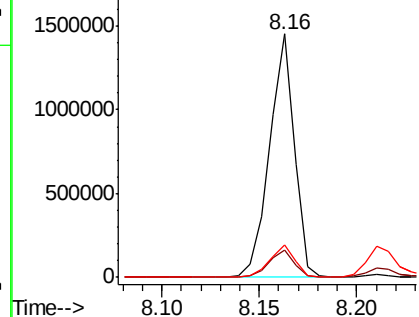
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.6	11.0	16.4

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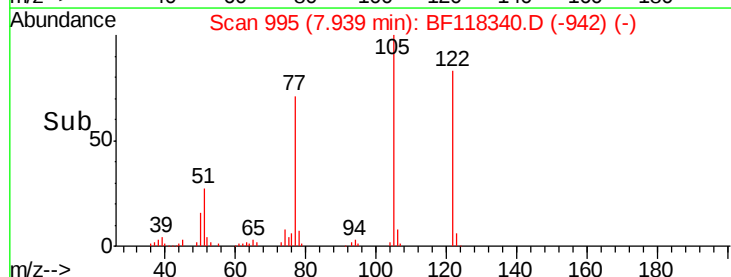
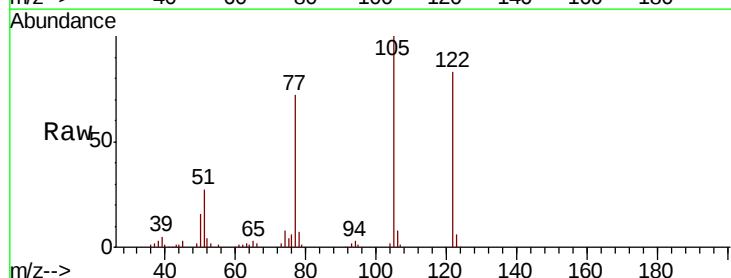
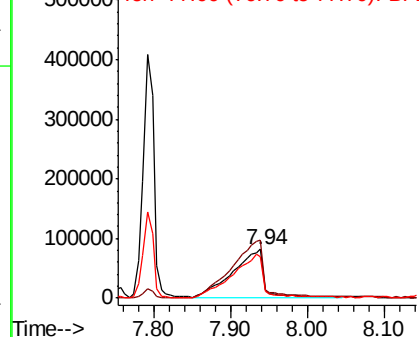
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

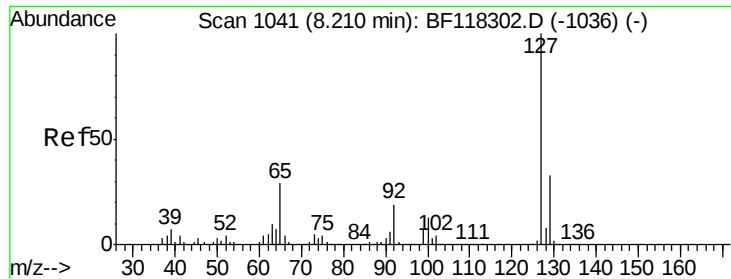


#32
Benzoic acid
Concen: 36.100 ng
RT: 7.94 min Scan# 995
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.8	106.8	146.8
77	85.8	70.4	110.4

Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





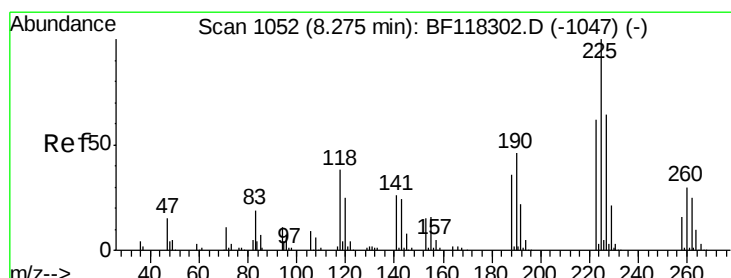
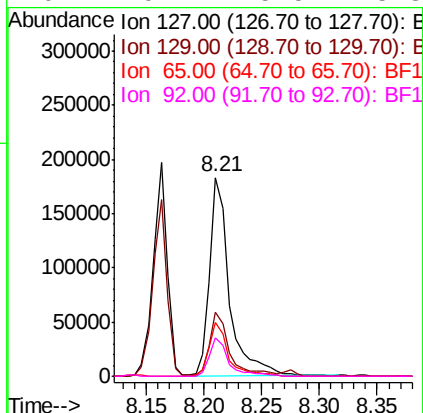
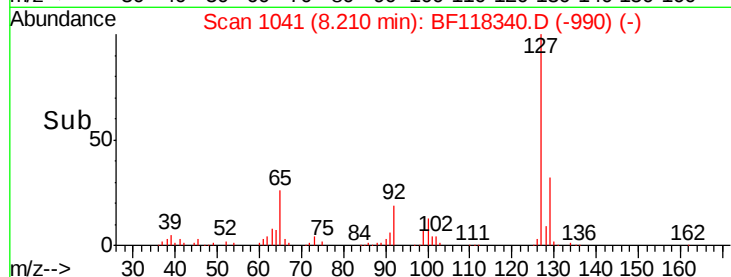
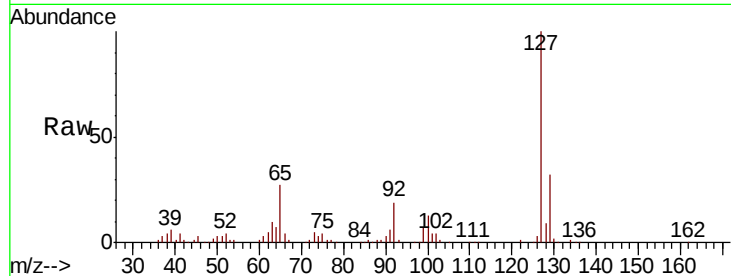
#33
4-Chloroaniline
Concen: 16.119 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.0	26.5	39.7		
65	27.0	22.8	34.2		
92	19.2	15.5	23.3		

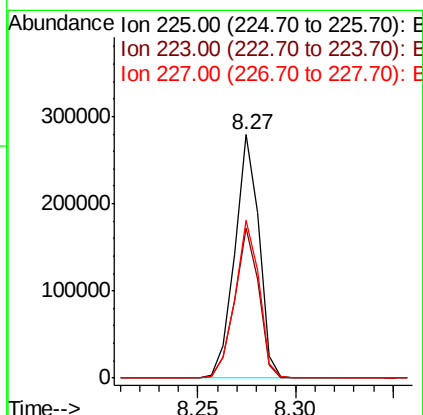
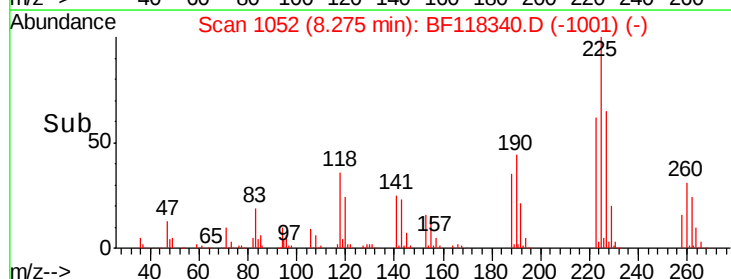
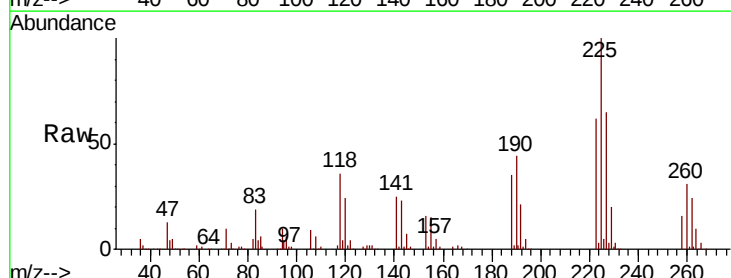
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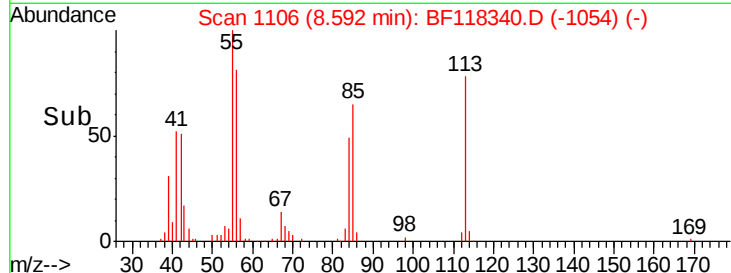
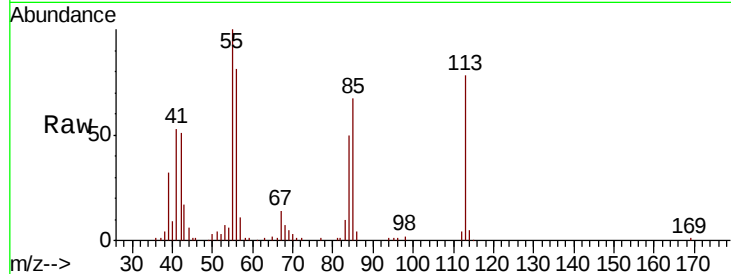
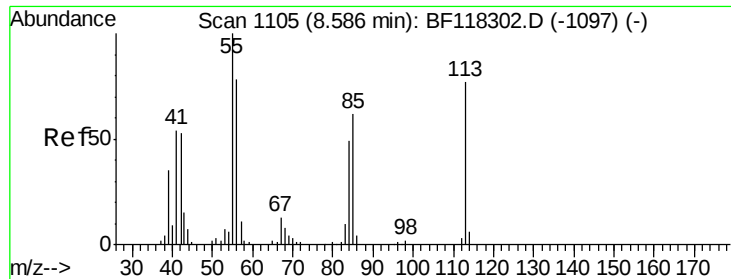
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#34
Hexachlorobutadiene
Concen: 38.178 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.5	49.5	74.3		
227	64.8	51.0	76.4		





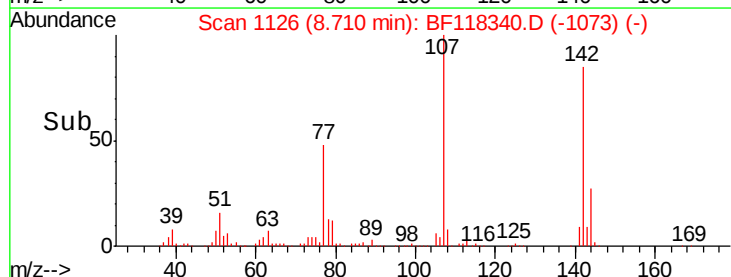
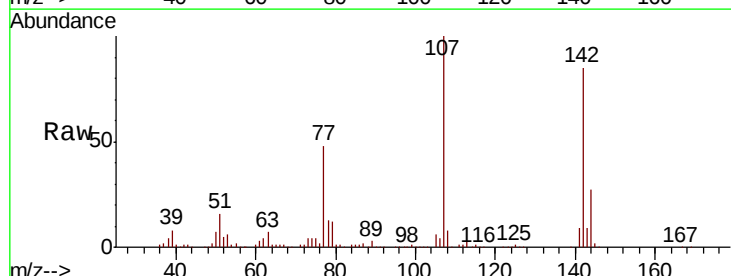
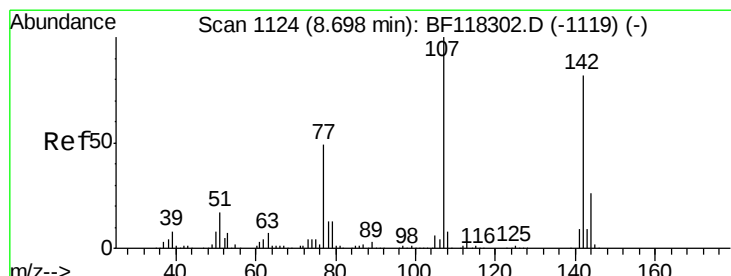
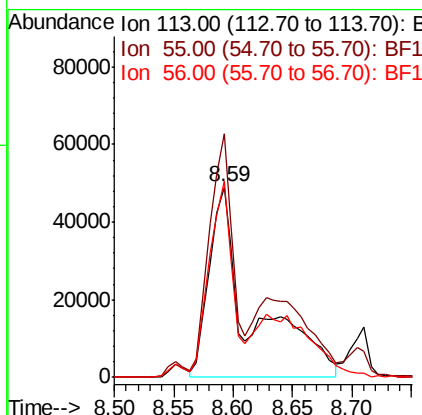
#35
Caprolactam
Concen: 42.517 ng/ml
RT: 8.59 min Scan# 1106
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tot Ion	Ratio	Lower	Upper
113	100		
55	127.8	109.8	149.8
56	102.9	81.7	121.7

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

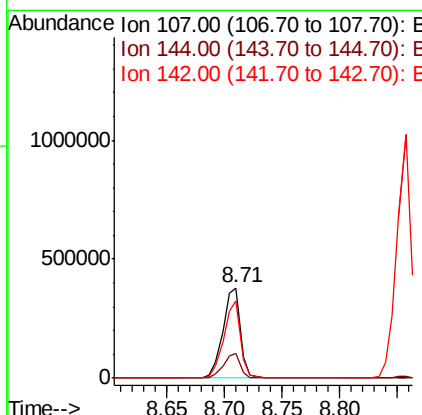
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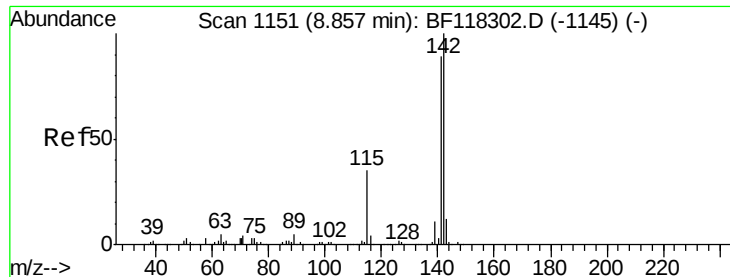
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#36
4-Chloro-3-methylphenol
Concen: 41.237 ng/ml
RT: 8.71 min Scan# 1126
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.2	31.8
142	84.6	65.4	98.2





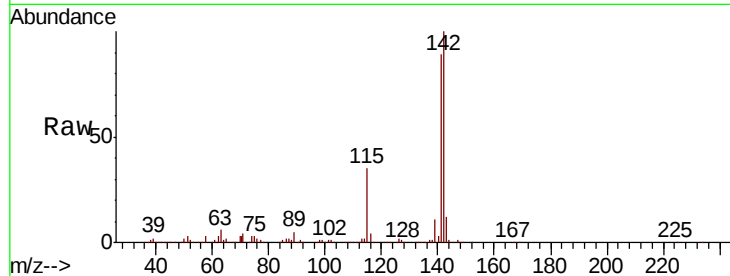
#37
2-Methylnaphthalene
Concen: 41.091 ng
RT: 8.86 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.2	106.8
115	35.1	28.0	42.0

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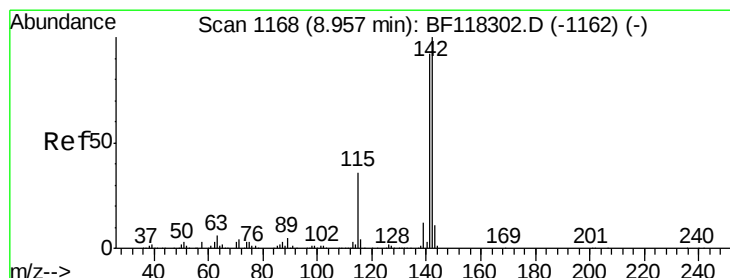
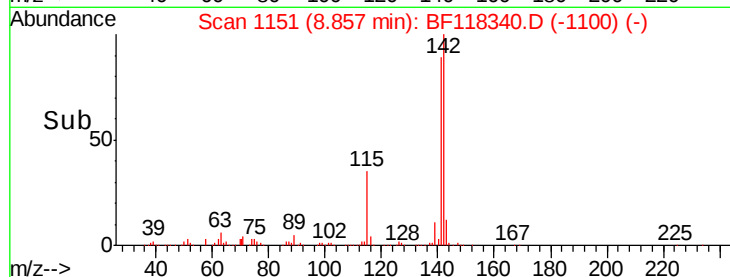
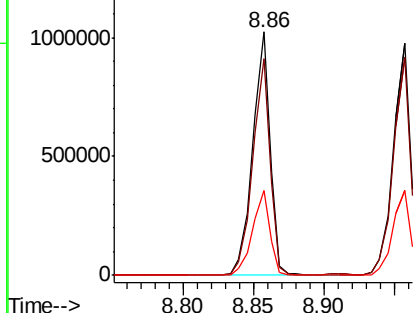


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 40.664 ng
RT: 8.96 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

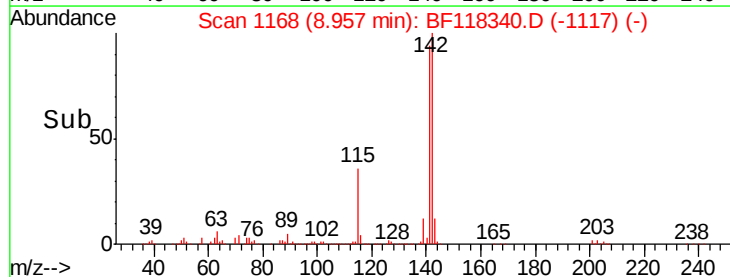
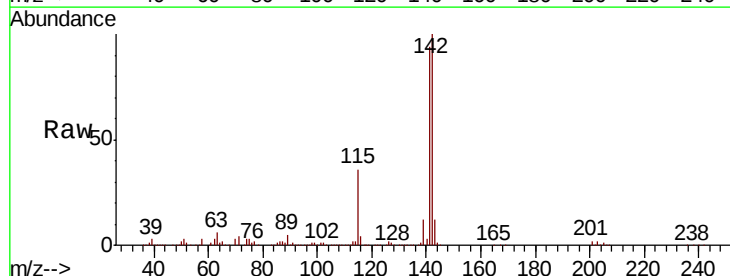
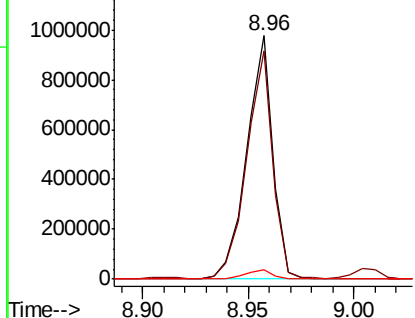
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.8	73.4	110.2
116	3.8	2.9	4.3

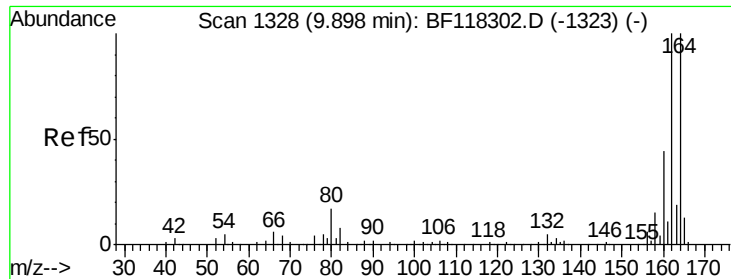
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.01 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Instrument :

BNA_F

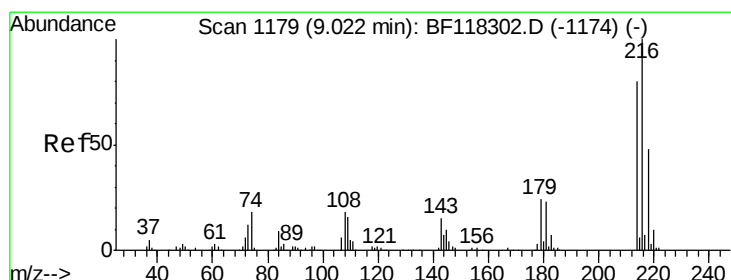
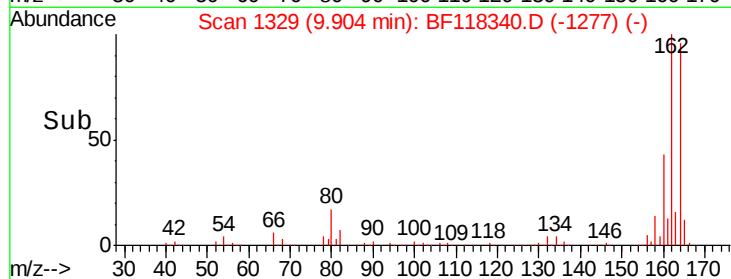
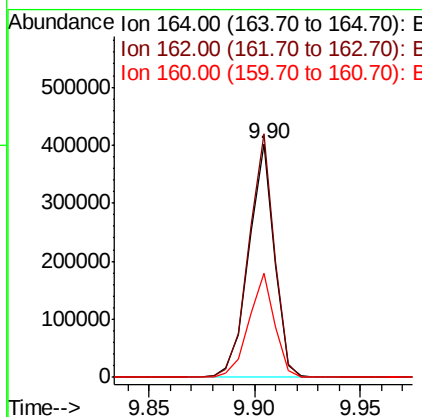
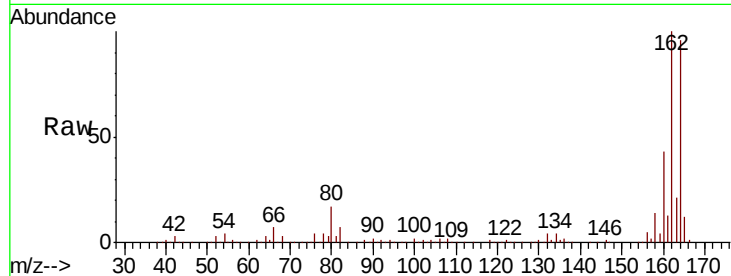
ClientSampleId :

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Tot Ion:	164	Resp:	340161
Ion Ratio	Lower	Upper	
164	100		
162	104.0	80.0	120.0
160	44.3	34.8	52.2

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.266 ng

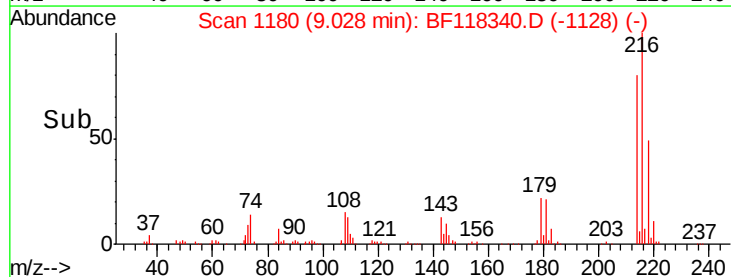
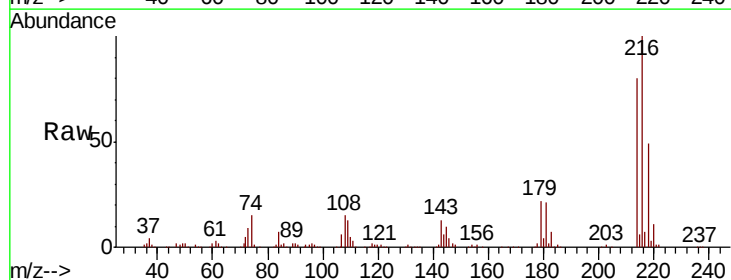
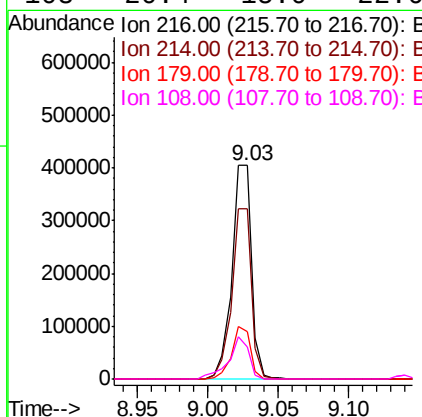
RT: 9.03 min Scan# 1180

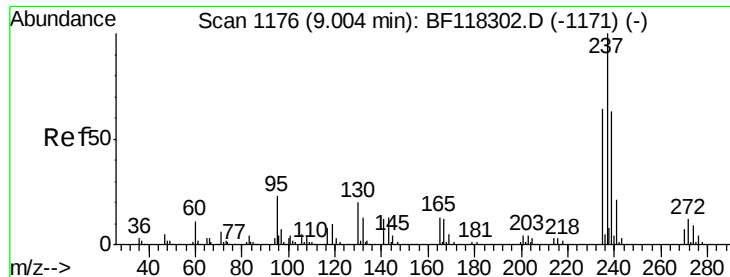
Delta R.T. 0.01 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Tgt Ion:	216	Resp:	391091
Ion Ratio	Lower	Upper	
216	100		
214	79.6	63.3	94.9
179	23.5	18.9	28.3
108	20.4	15.0	22.6





#41

Hexachlorocyclopentadiene

Concen: 72.579 ng

RT: 9.01 min Scan# 1177

Delta R.T. 0.01 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Instrument :

BNA_F

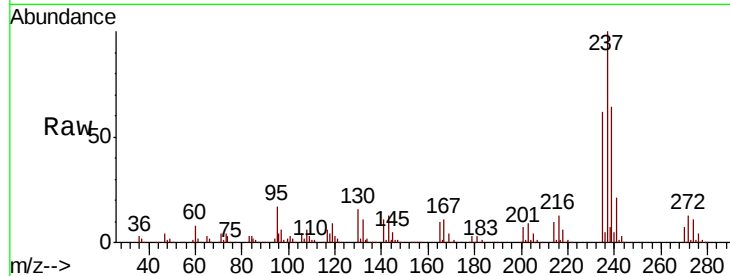
ClientSampleId :

LIED-BF001-01MSD

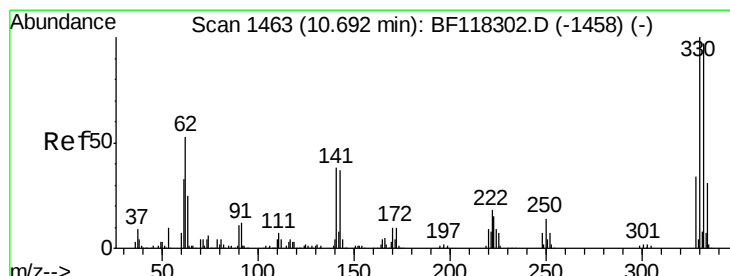
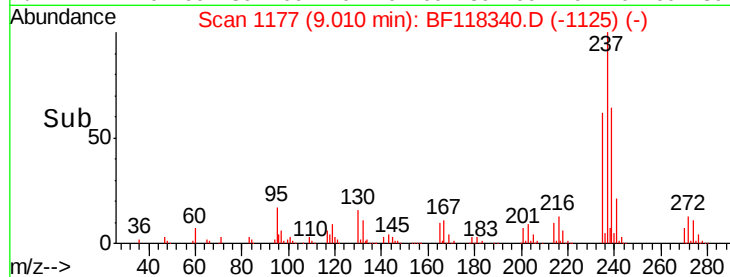
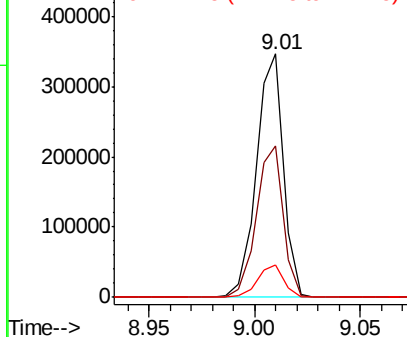
Tot Ion:	237	Resp:	308305
Ion Ratio	Lower	Upper	
237	100		
235	62.2	43.8	83.8
272	13.5	0.0	31.7

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 122.383 ng

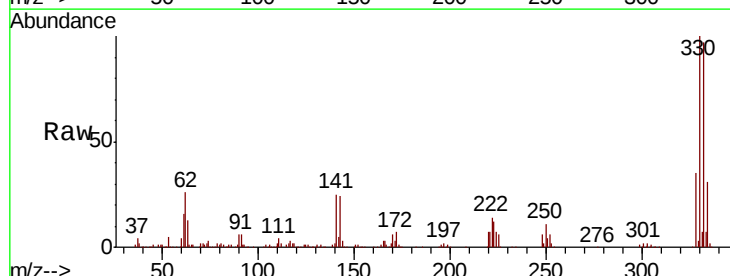
RT: 10.70 min Scan# 1465

Delta R.T. 0.01 min

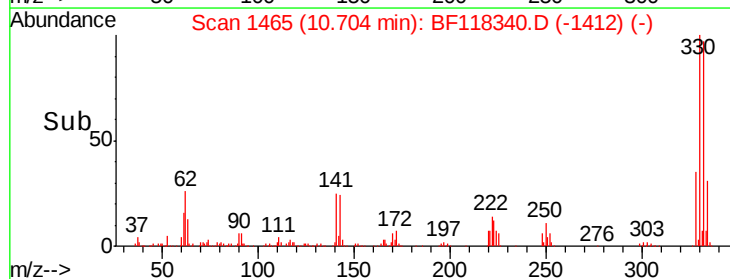
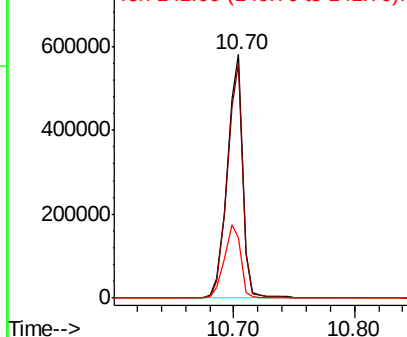
Lab File: BF118340.D

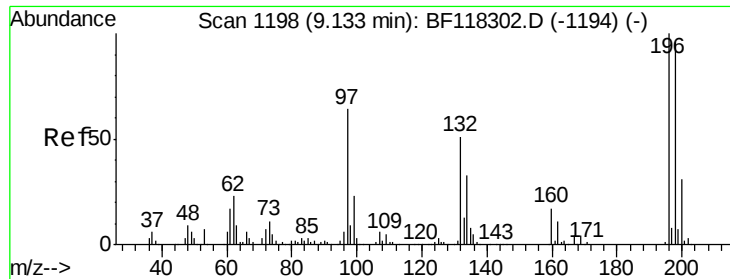
Acq: 27 Dec 2019 16:17

Tgt Ion:	330	Resp:	514098
Ion Ratio	Lower	Upper	
330	100		
332	97.0	76.6	114.8
141	32.2	26.0	39.0



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





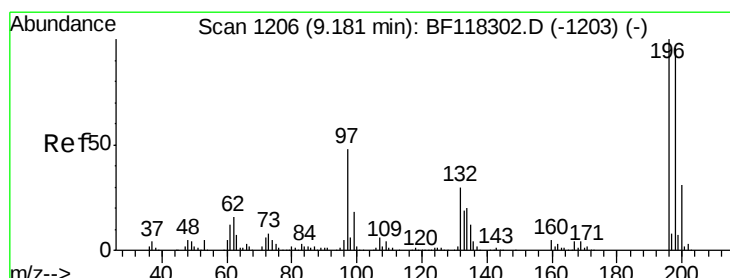
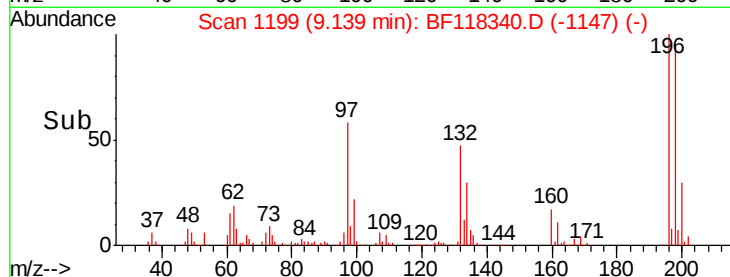
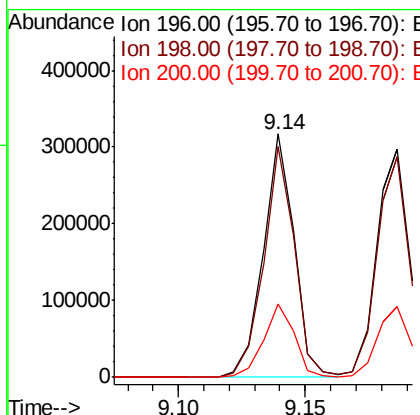
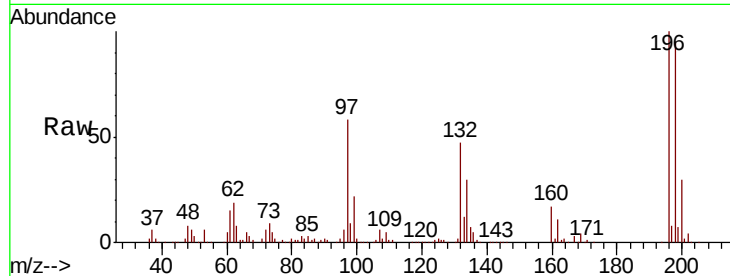
#43
2,4,6-Trichlorophenol
Concen: 39.801 ng
RT: 9.14 min Scan# 1199
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	271755		
198	94.8	76.7	115.1	
200	29.9	24.8	37.2	

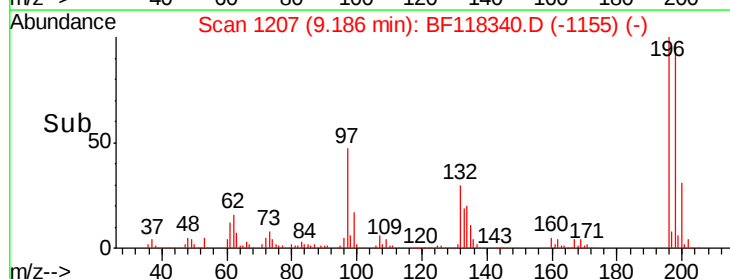
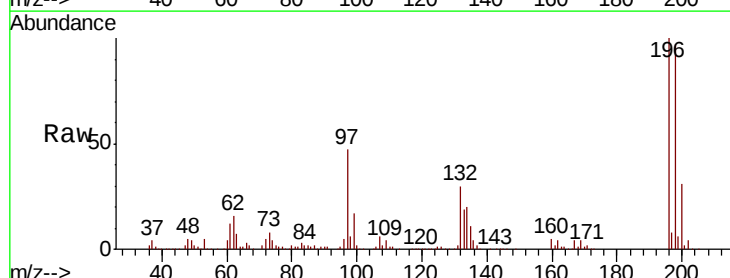
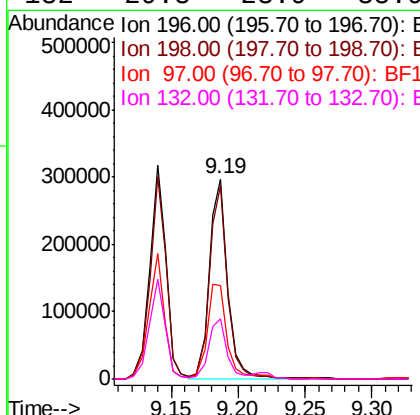
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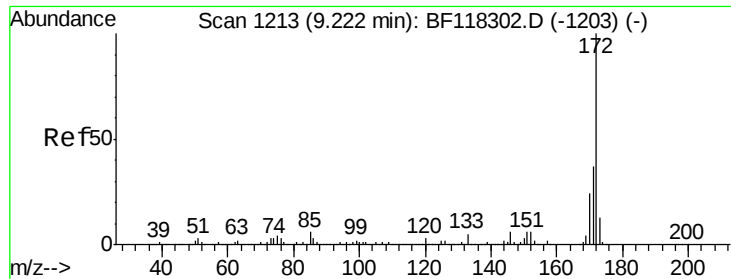
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#44
2,4,5-Trichlorophenol
Concen: 40.588 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	285085		
198	96.6	77.0	115.4	
97	47.0	38.9	58.3	
132	29.8	23.9	35.9	





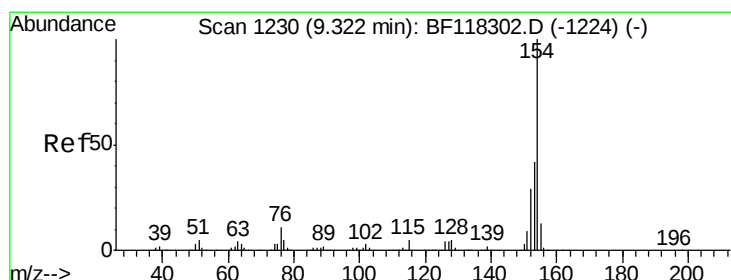
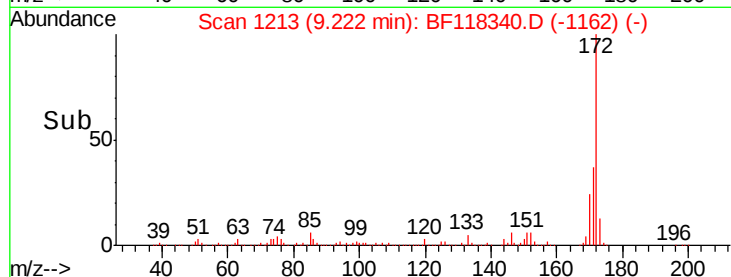
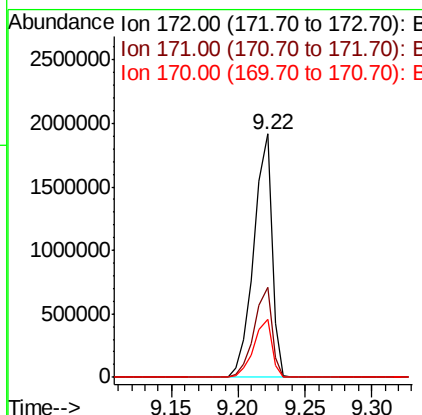
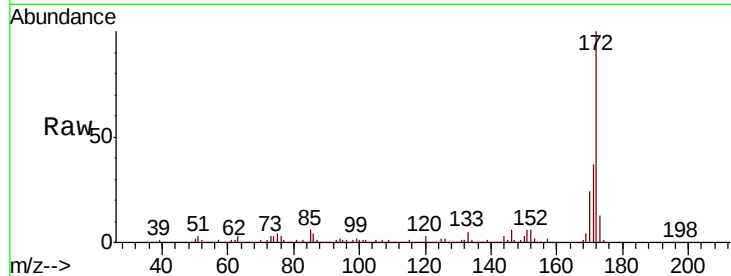
#45
2-Fluorobiphenyl
Concen: 80.114 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion:172 Resp: 1785273
Ion Ratio Lower Upper
172 100
171 36.7 29.3 43.9
170 24.0 19.2 28.8

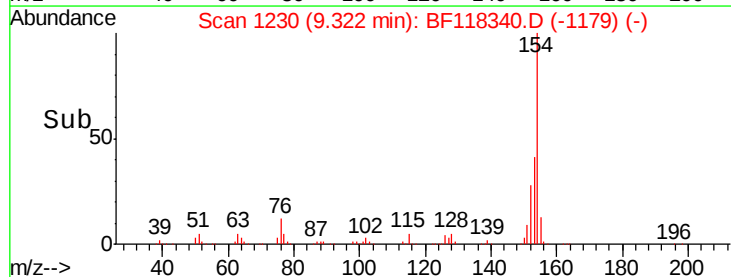
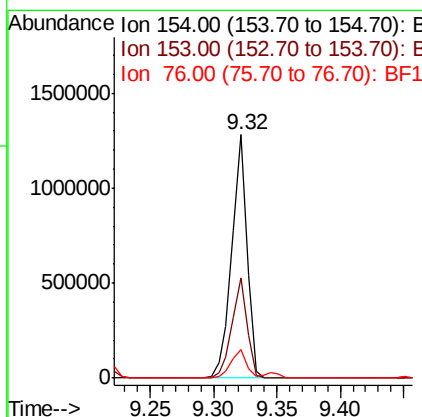
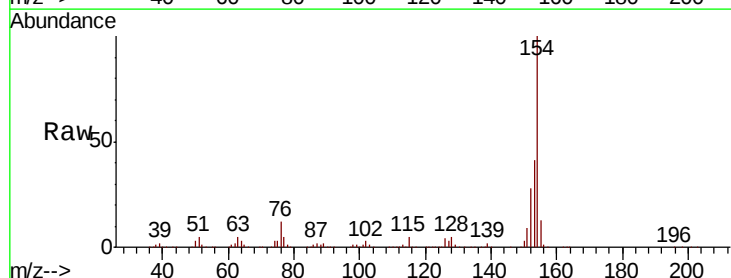
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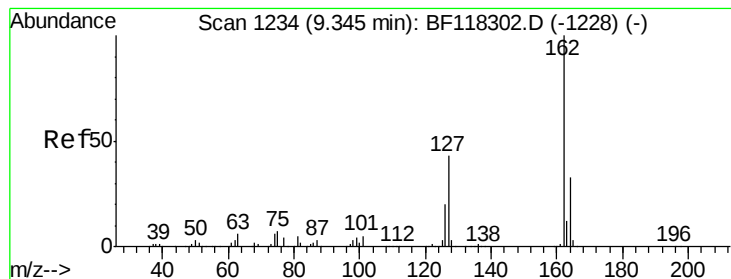
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#46
1,1'-Biphenyl
Concen: 39.635 ng
RT: 9.32 min Scan# 1230
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion:154 Resp: 1066358
Ion Ratio Lower Upper
154 100
153 41.1 21.8 61.8
76 11.7 0.0 30.9





#47

2-Chloronaphthalene

Concen: 38.443 ng

RT: 9.35 min Scan# 1235

Delta R.T. 0.01 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Instrument :

BNA_F

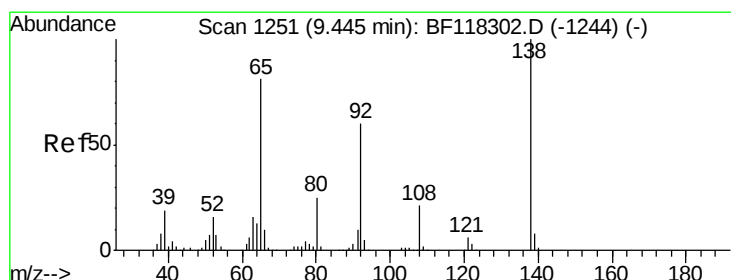
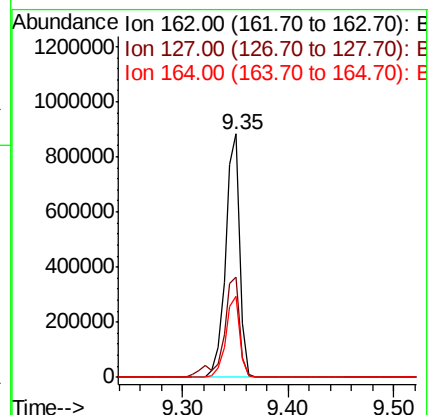
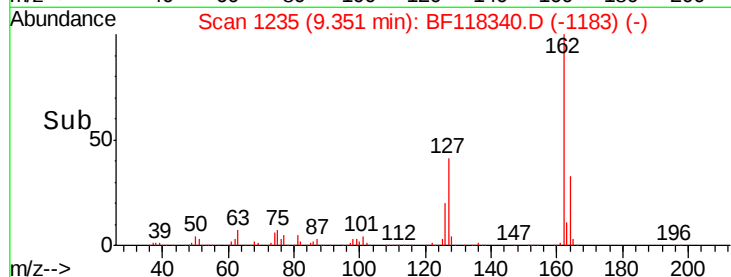
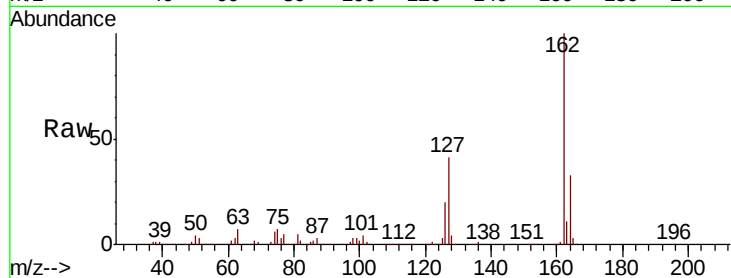
ClientSampleId :

LIED-BF001-01MSD

Tot Ion:	162	Resp:	832444
Ion Ratio	Lower	Upper	
162	100		
127	40.9	35.0	52.4
164	33.5	26.6	40.0

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#48

2-Nitroaniline

Concen: 38.108 ng

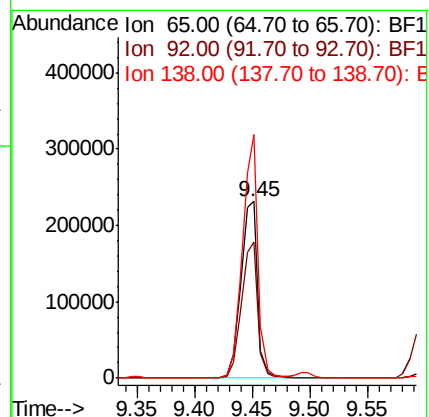
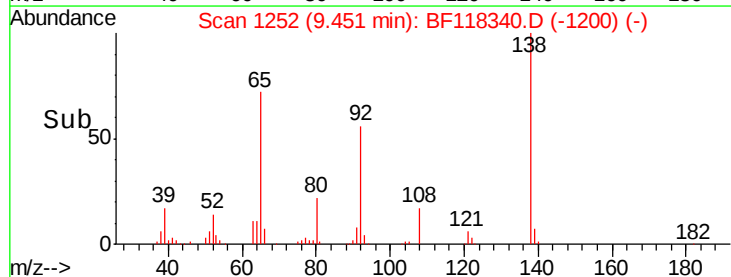
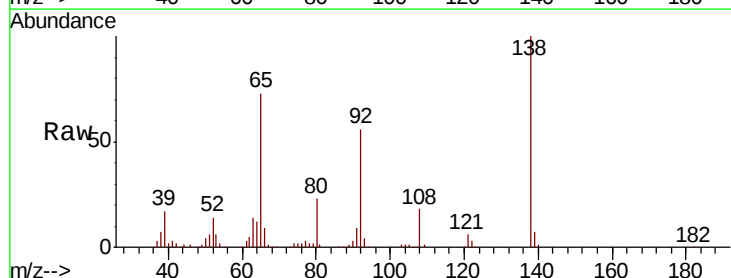
RT: 9.45 min Scan# 1252

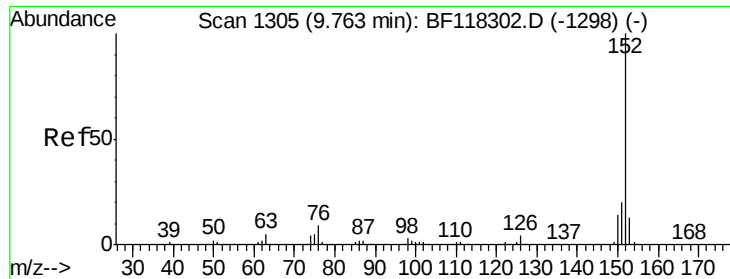
Delta R.T. 0.01 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Tgt Ion:	65	Resp:	233080
Ion Ratio	Lower	Upper	
65	100		
92	77.0	58.7	88.1
138	137.8	98.5	147.7





#49

Acenaphthylene

Concen: 41.434 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MSD

Tot Ion:152 Resp: 1330642

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

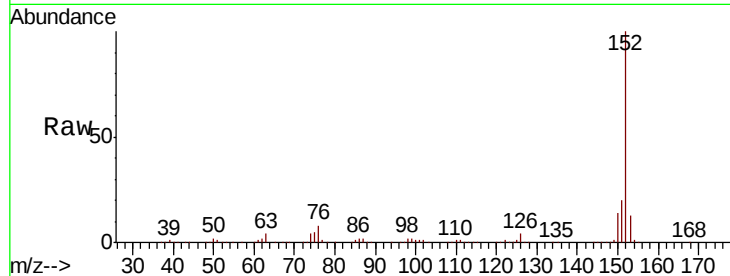
153 12.8 10.5 15.7

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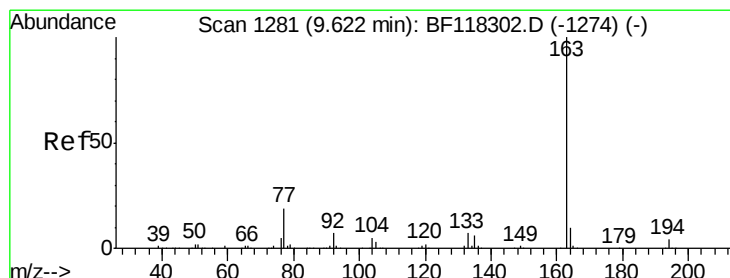
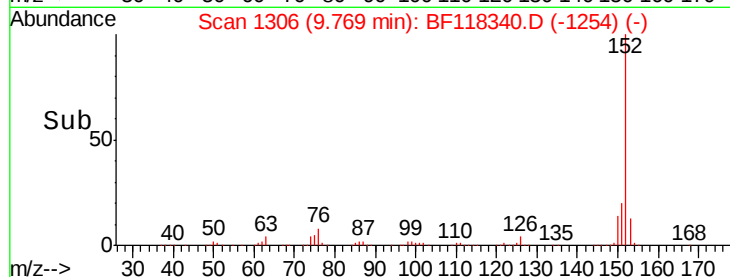
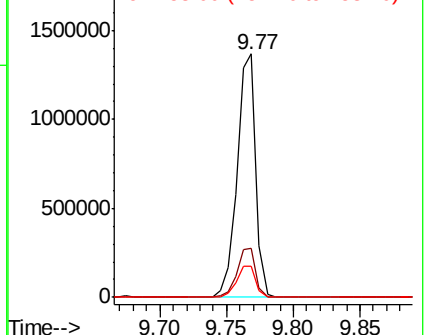
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 44.947 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

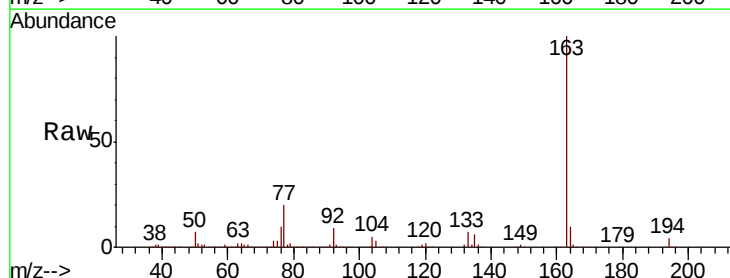
Tgt Ion:163 Resp: 1147657

Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

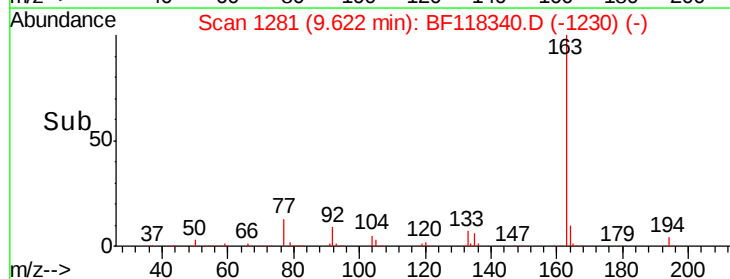
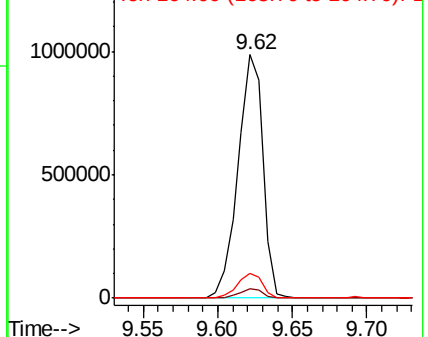
164 10.2 7.9 11.9

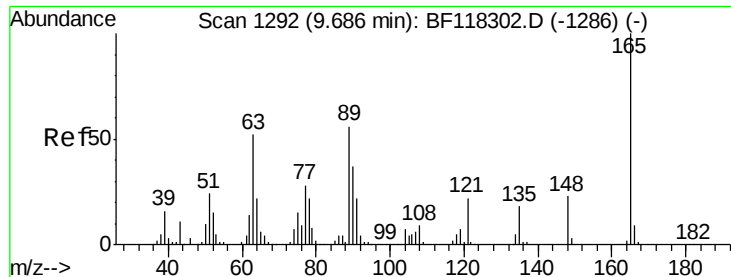


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 40.956 ng

RT: 9.69 min Scan# 1293

Delta R.T. 0.01 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Instrument :

BNA_F

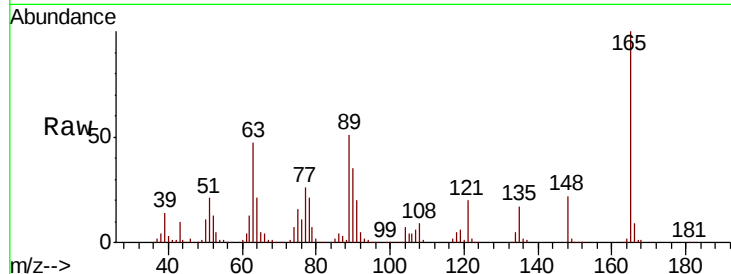
ClientSampleId :

LIED-BF001-01MSD

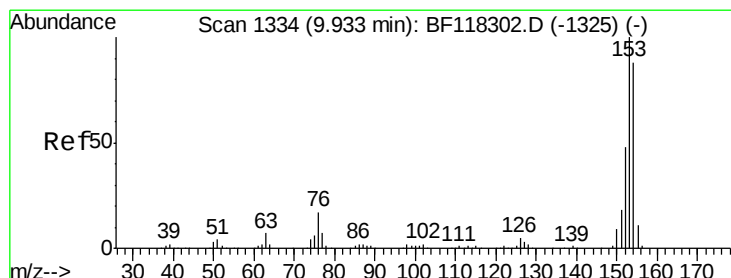
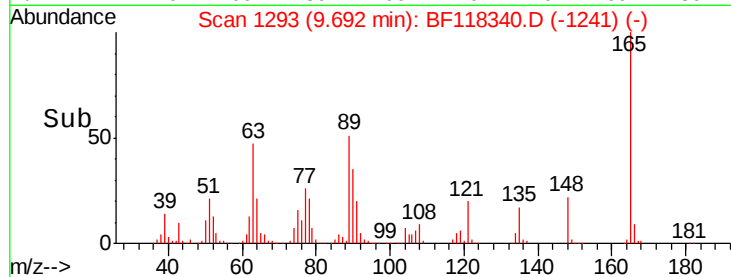
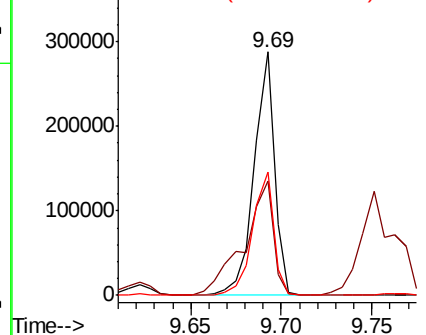
Tot Ion:	165	Resp:	225457
Ion Ratio	Lower	Upper	
165	100		
63	46.9	42.2	63.4
89	50.8	44.4	66.6

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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 39.110 ng

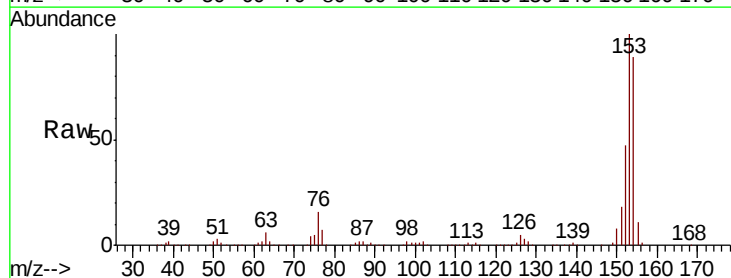
RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

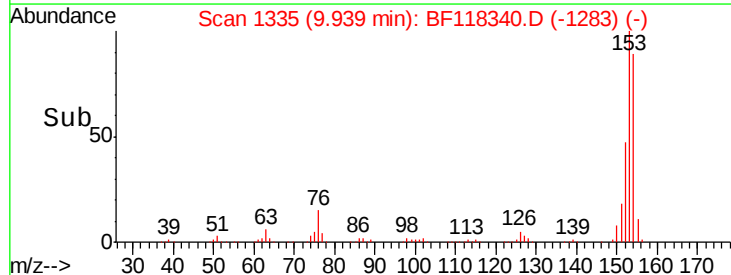
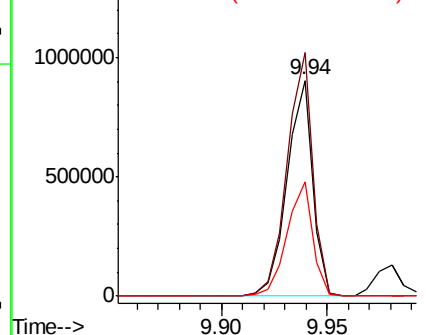
Lab File: BF118340.D

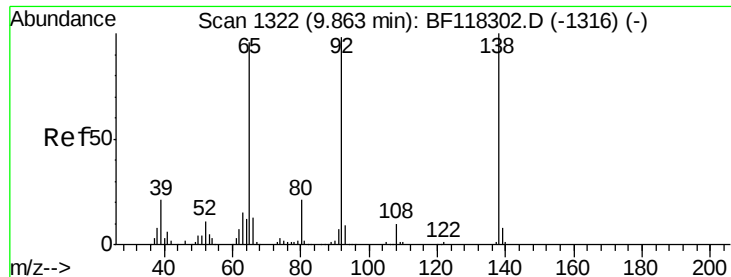
Acq: 27 Dec 2019 16:17

Tgt Ion:	154	Resp:	765056
Ion Ratio	Lower	Upper	
154	100		
153	113.0	90.6	136.0
152	52.9	43.1	64.7



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





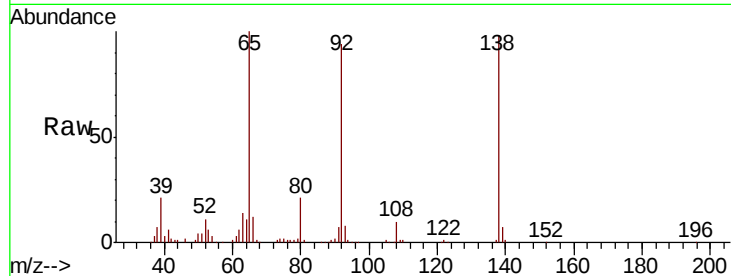
#53
3-Nitroaniline
Concen: 21.136 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

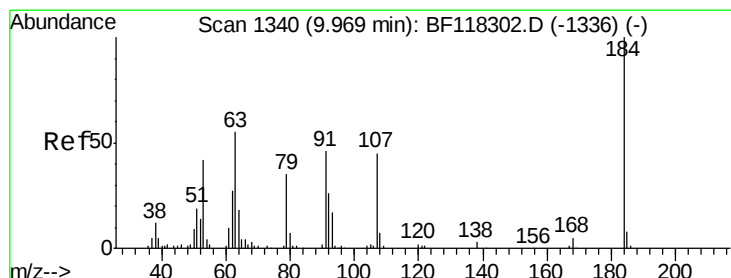
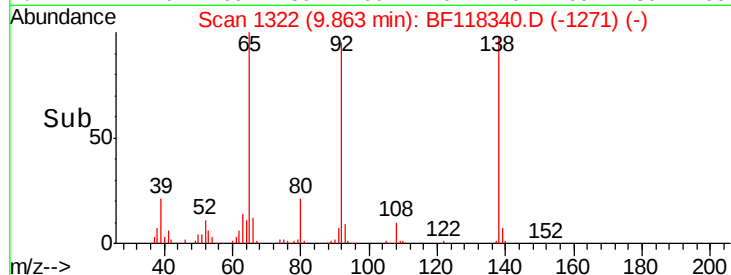
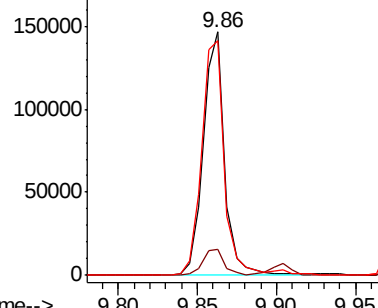
Tot Ion	Ratio	Lower	Upper
138	100		
108	10.5	7.8	11.8
92	96.2	78.2	117.2

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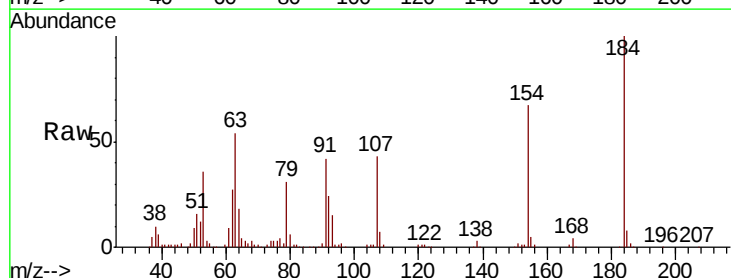


Abundance Ion 138.00 (137.70 to 138.70): E
200000
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

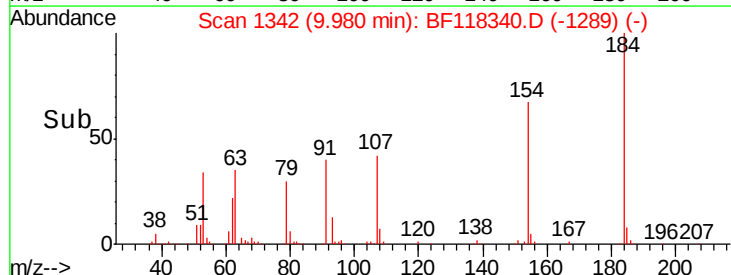
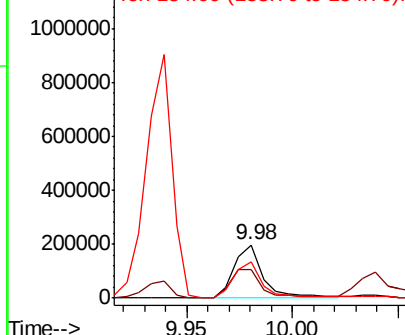


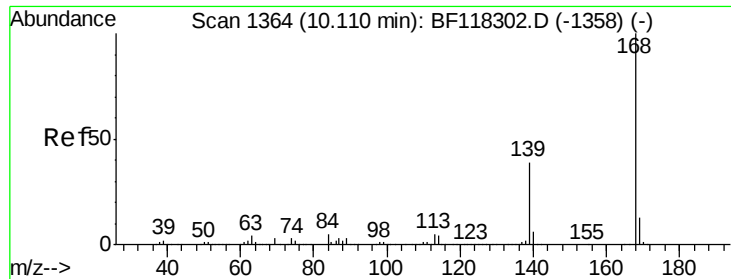
#54
2,4-Dinitrophenol
Concen: 69.256 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
184	100		
63	53.6	48.8	73.2
154	67.2	55.0	82.4



Abundance Ion 184.00 (183.70 to 184.70): E
1200000
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





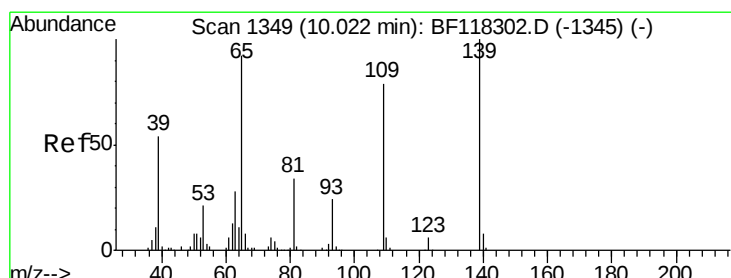
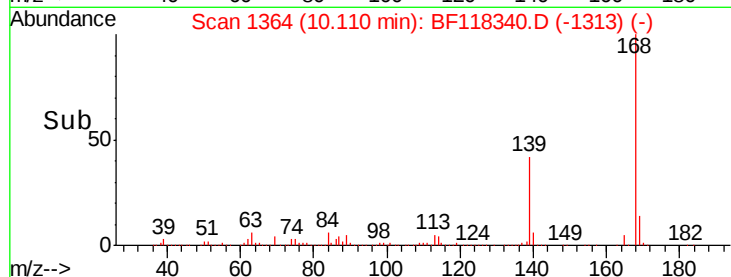
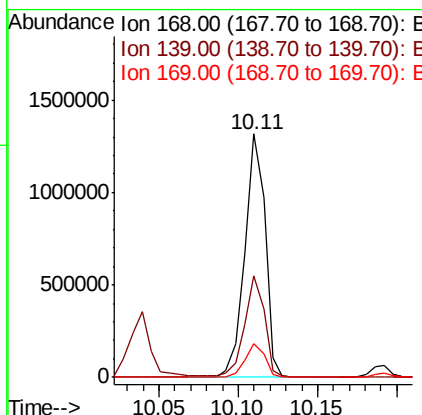
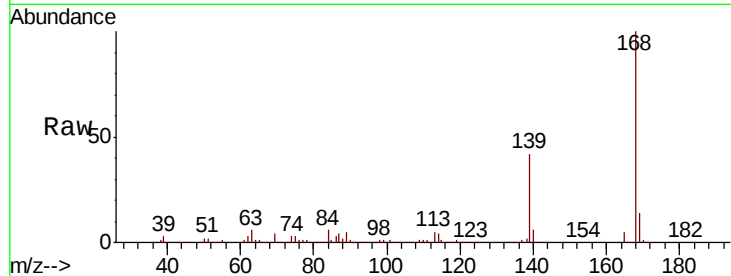
#55
Dibenzenofuran
Concen: 40.292 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion:168 Resp: 1164609
Ion Ratio Lower Upper
168 100
139 41.7 31.5 47.3
169 14.1 10.4 15.6

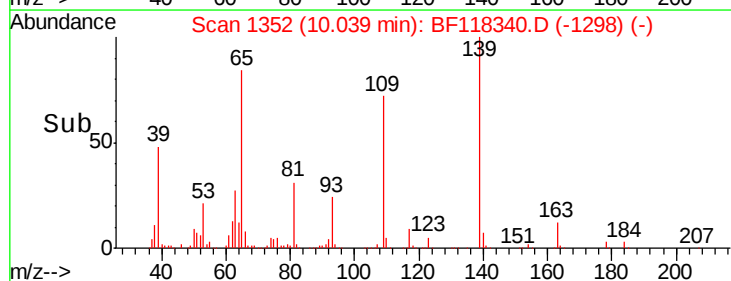
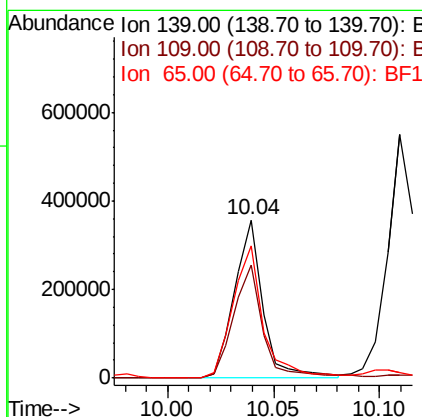
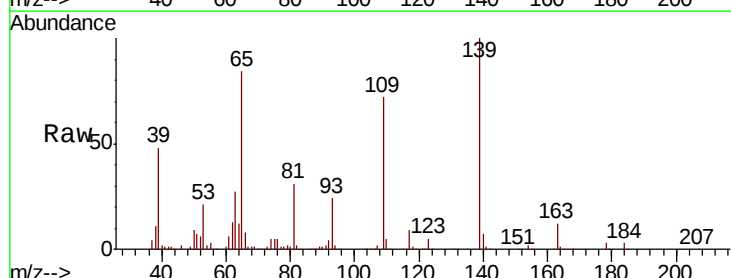
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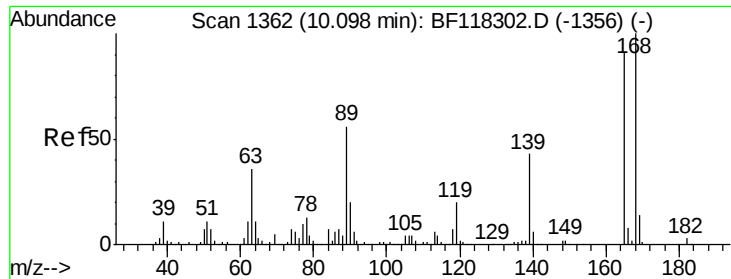
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#56
4-Nitrophenol
Concen: 83.723 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.02 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion:139 Resp: 333943
Ion Ratio Lower Upper
139 100
109 71.8 59.3 99.3
65 84.2 72.4 112.4





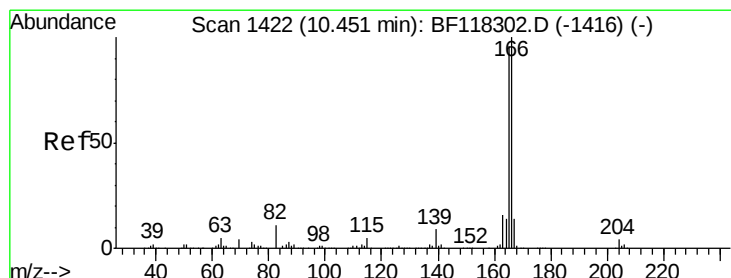
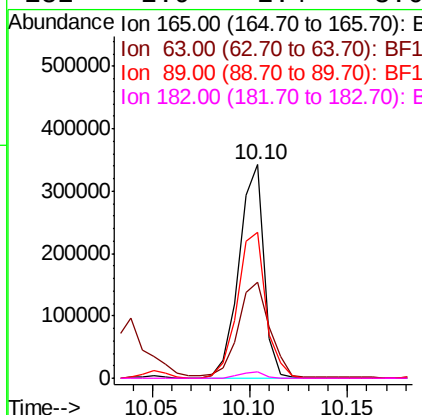
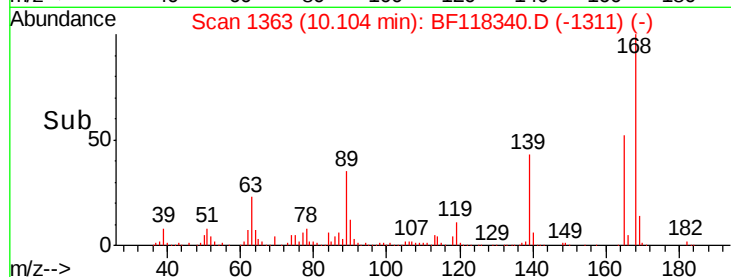
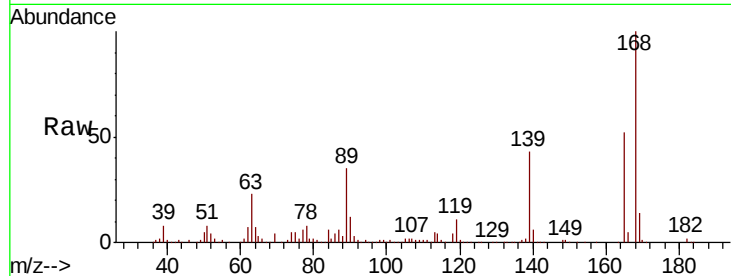
#57
2,4-Dinitrotoluene
Concen: 41.346 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	45.2	32.0	48.0	
89	68.3	49.3	73.9	
182	2.9	2.4	3.6	

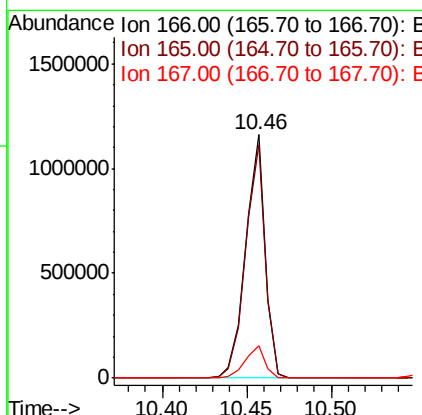
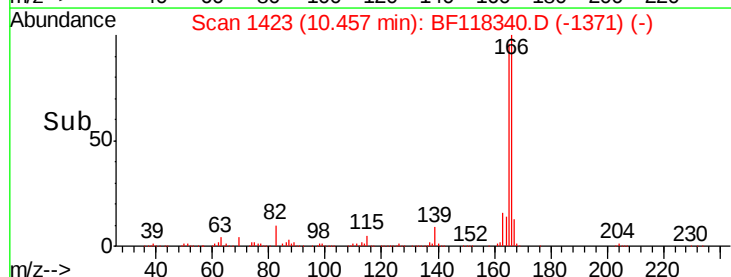
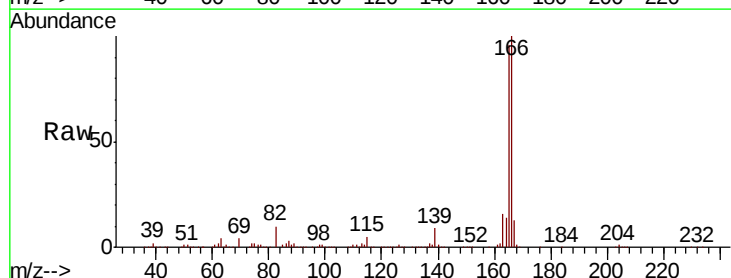
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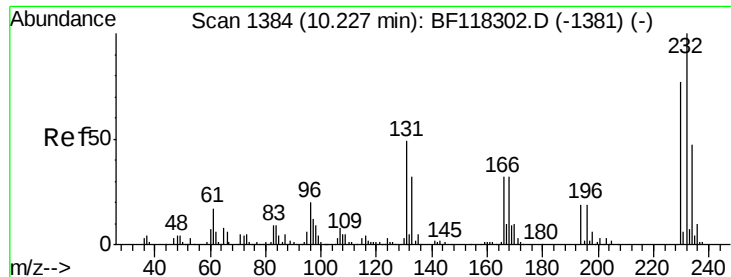
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#58
Fluorene
Concen: 40.164 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	95.9	77.0	115.4	
167	13.5	10.9	16.3	





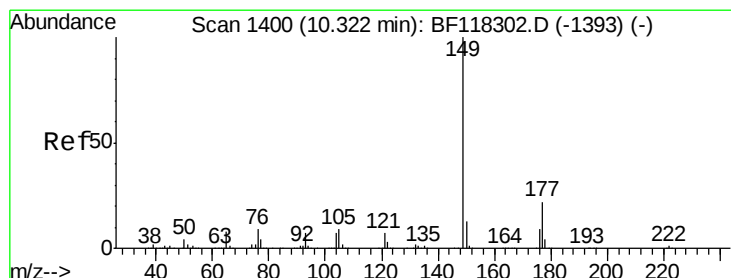
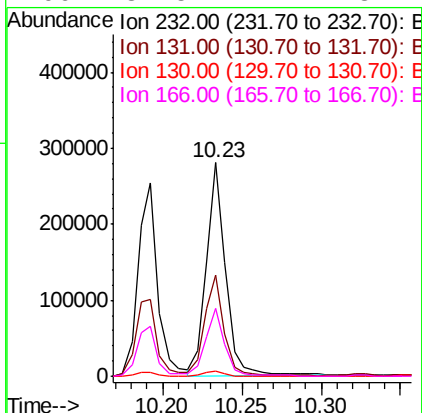
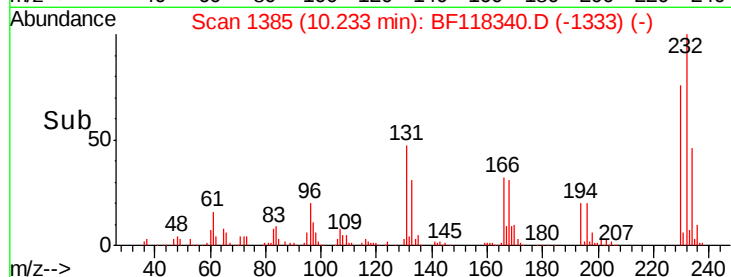
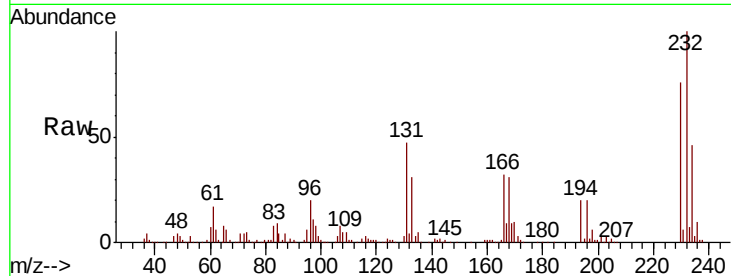
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.870 ng
RT: 10.23 min Scan# 1385
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	48.3	37.7	56.5
130	2.5	2.0	3.0
166	31.5	24.7	37.1

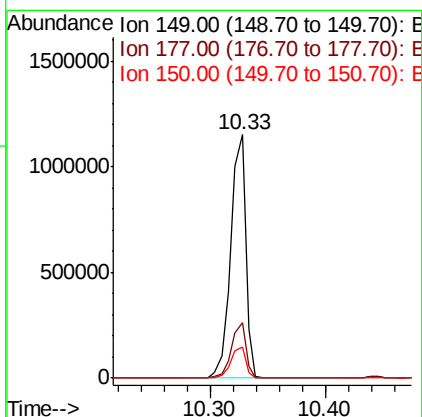
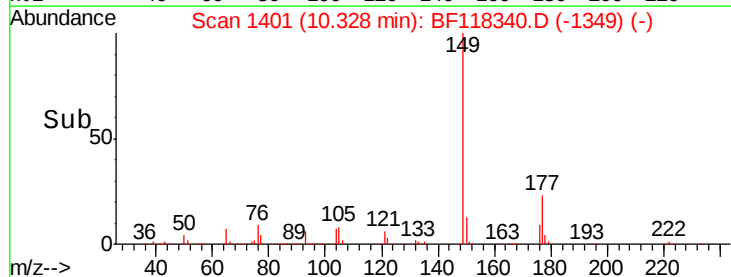
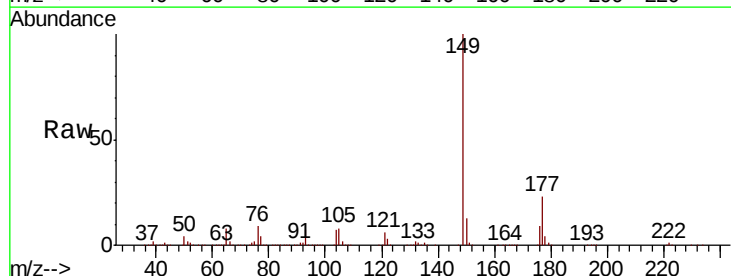
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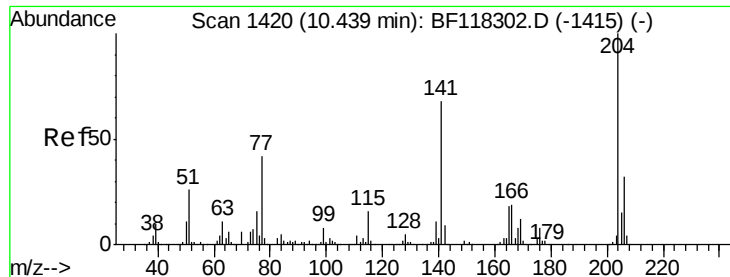
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#60
Diethylphthalate
Concen: 41.041 ng
RT: 10.33 min Scan# 1401
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.9	26.9
150	12.7	10.2	15.2





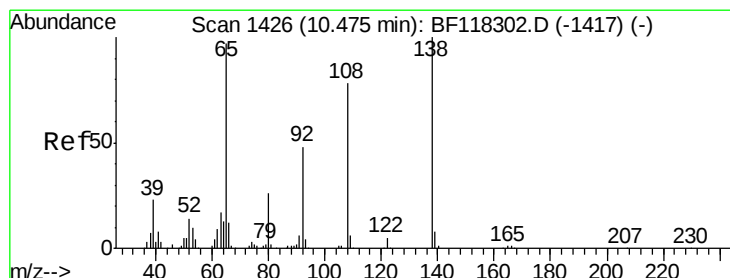
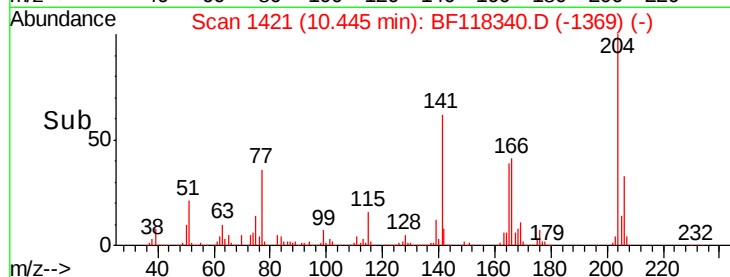
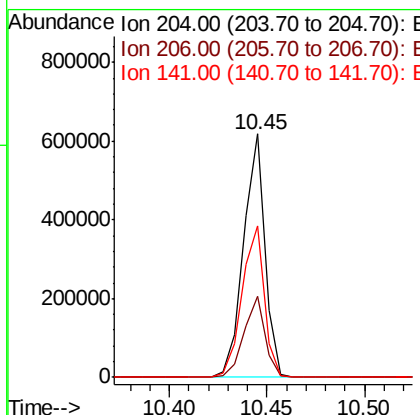
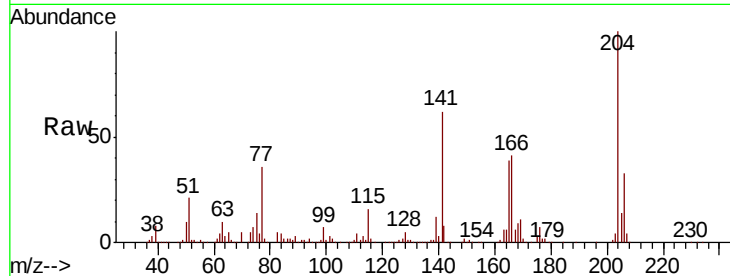
#61
4-Chlorophenyl-phenylether
Concen: 40.426 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.8	38.8
141	62.3	54.2	81.4

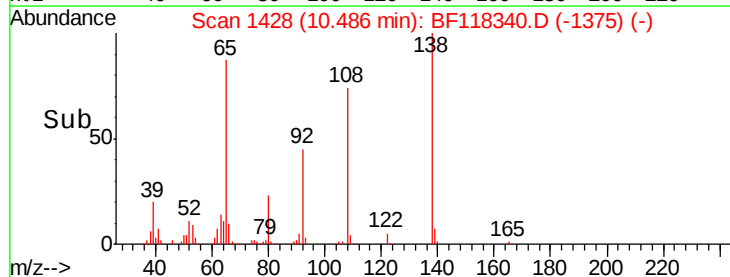
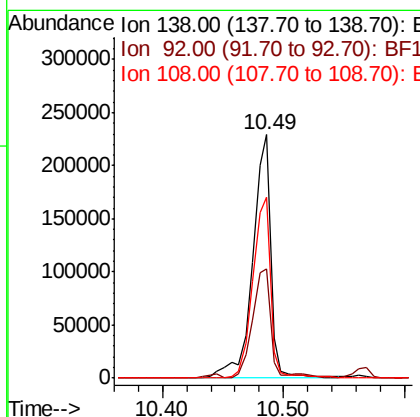
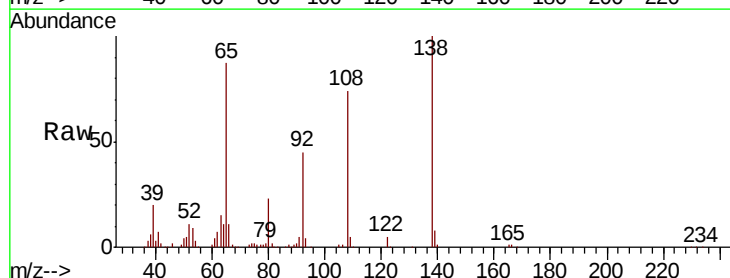
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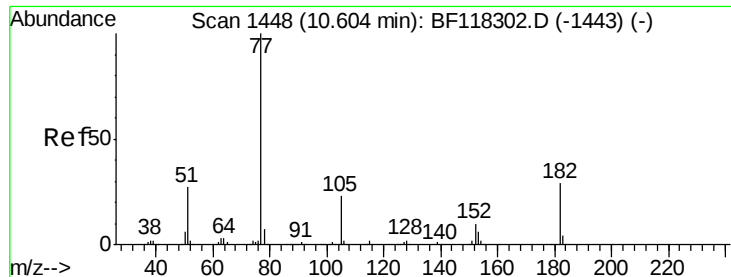
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#62
4-Nitroaniline
Concen: 36.118 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
138	100		
92	44.9	27.9	67.9
108	74.1	58.1	98.1





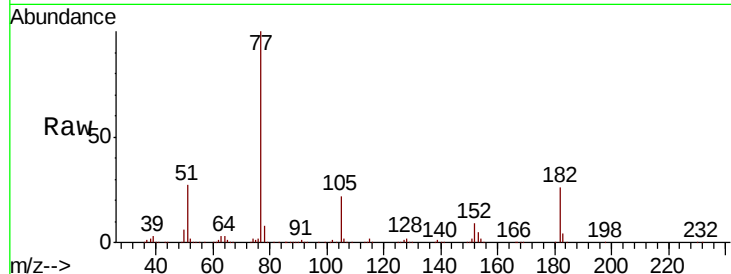
#63
Azobenzene
Concen: 41.323 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

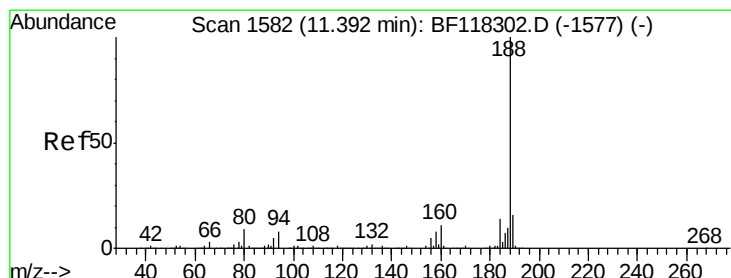
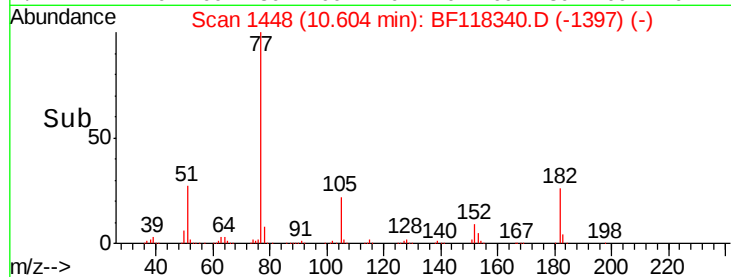
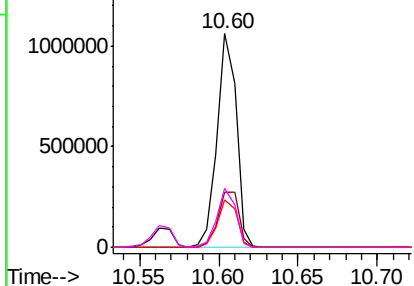
Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	25.9	9.2	49.2	
105	22.2	3.2	43.2	
51	27.3	7.1	47.1	

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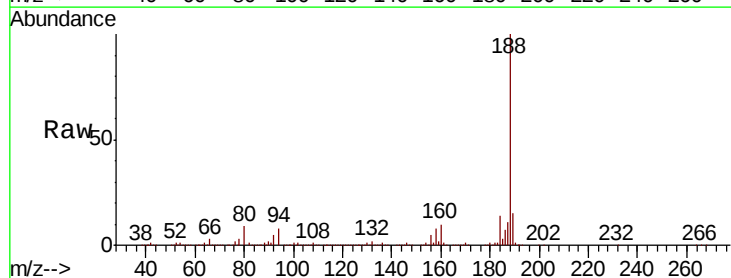


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

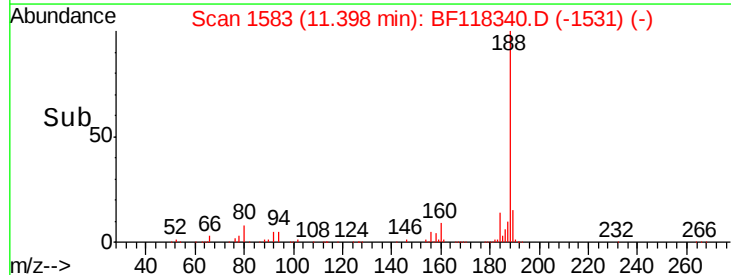
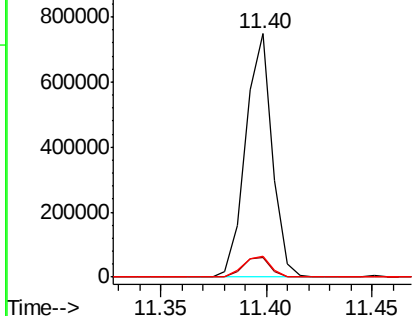


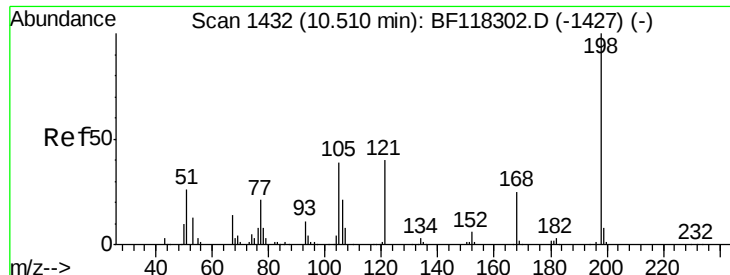
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.3	6.7	10.1	
80	8.8	7.2	10.8	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 42.227 ng

RT: 10.52 min Scan# 1433

Delta R.T. 0.01 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Instrument :

BNA_F

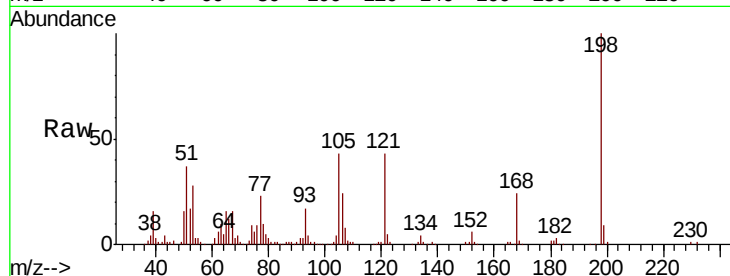
ClientSampleId :

LIED-BF001-01MSD

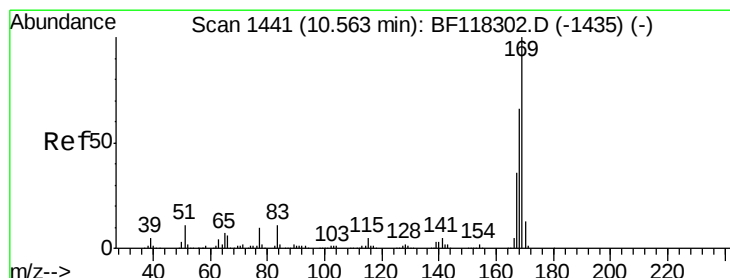
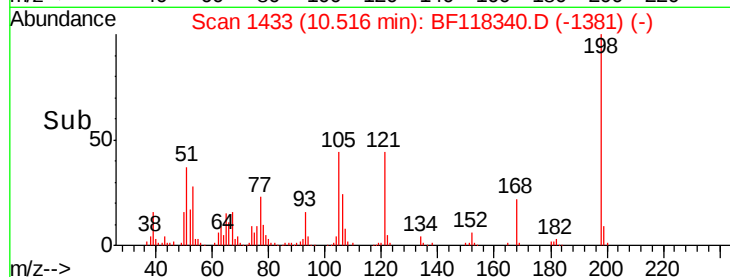
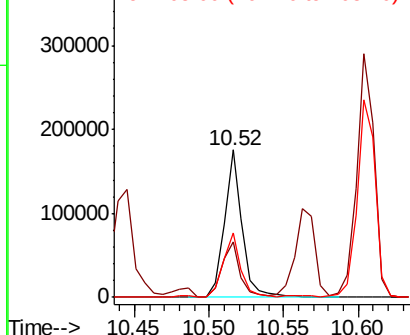
Tot Ion:	198	Resp:	148458
Ion Ratio	Lower	Upper	
198	100		
51	37.3	12.8	52.8
105	43.5	20.3	60.3

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Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 40.255 ng

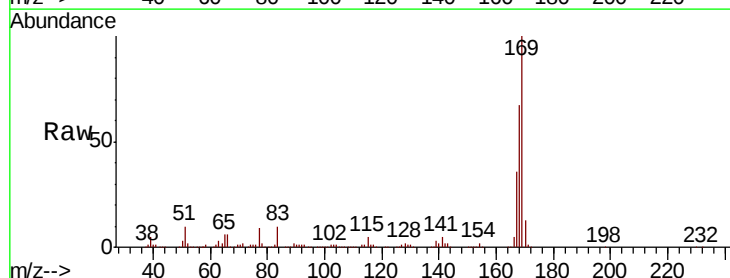
RT: 10.57 min Scan# 1442

Delta R.T. 0.01 min

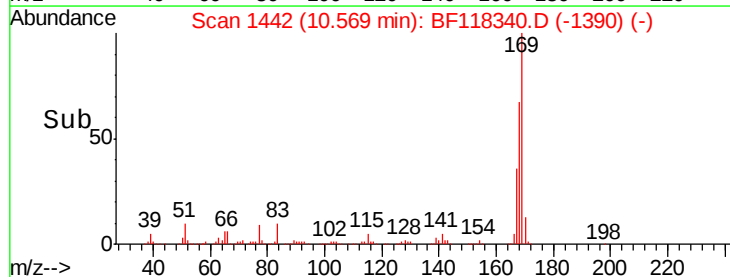
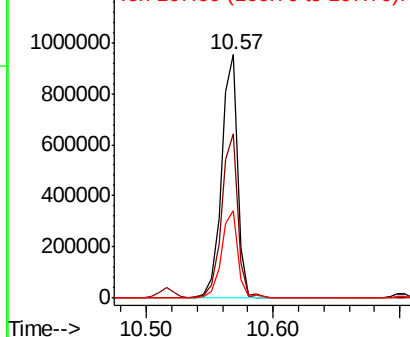
Lab File: BF118340.D

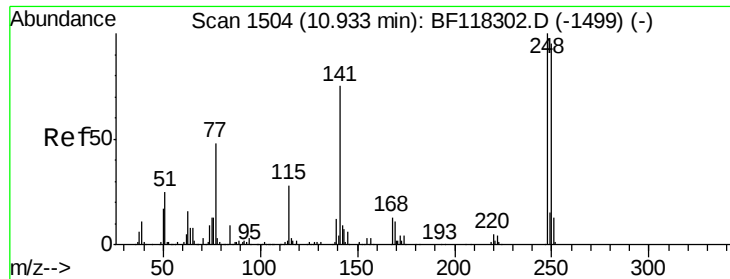
Acq: 27 Dec 2019 16:17

Tgt Ion:	169	Resp:	840821
Ion Ratio	Lower	Upper	
169	100		
168	67.3	52.6	79.0
167	36.0	28.4	42.6



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





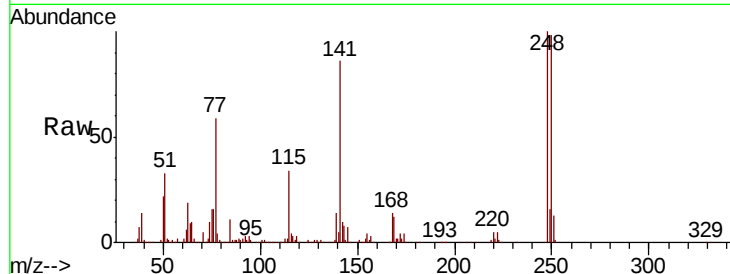
#67
4-Bromophenyl-phenylether
Concen: 39.025 ng
RT: 10.93 min Scan# 1504
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.8	76.4	114.6
141	86.4	60.2	90.2

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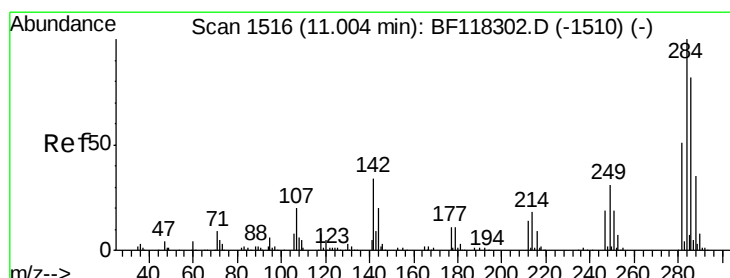
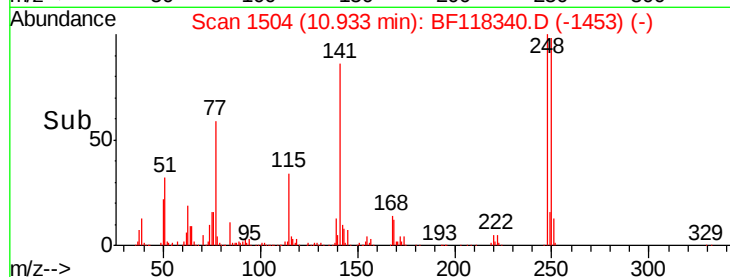
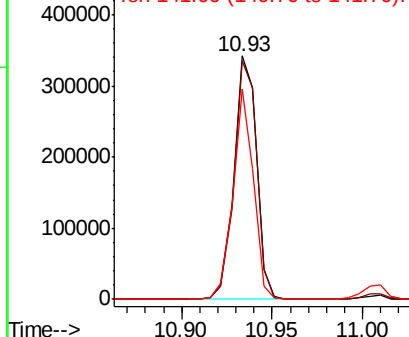


Abundance

Ion 248.00 (247.70 to 248.70): E

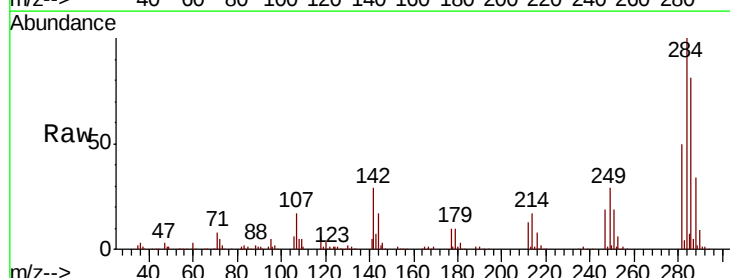
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 37.992 ng
RT: 11.01 min Scan# 1517
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.4	27.3	40.9
249	29.2	25.0	37.6

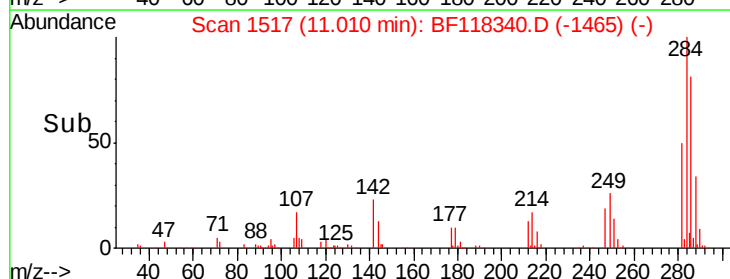
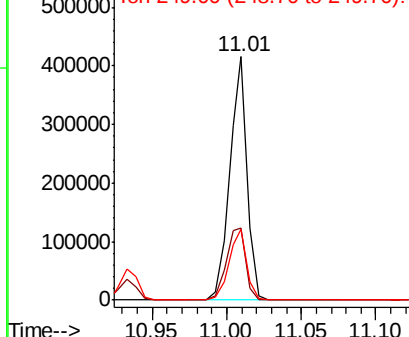


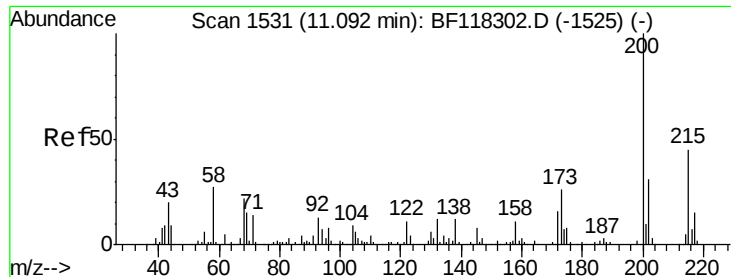
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





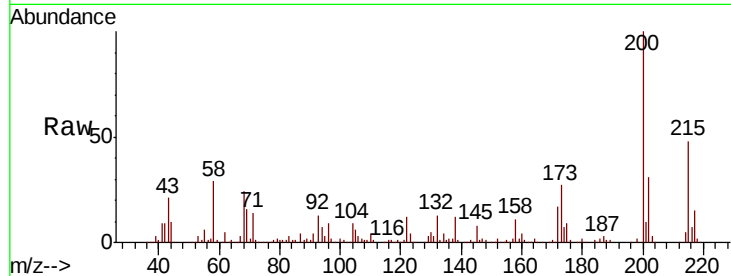
#69
Atrazine
Concen: 45.613 ng
RT: 11.10 min Scan# 1532
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.2	5.8	45.8
215	48.1	25.1	65.1

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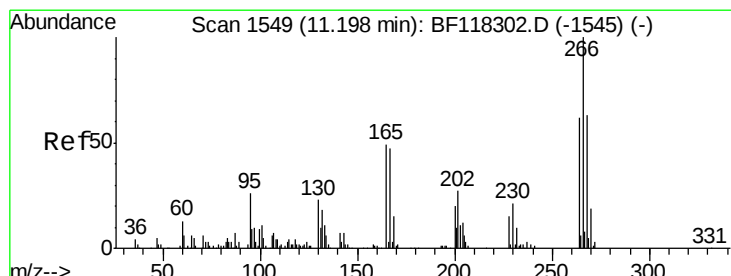
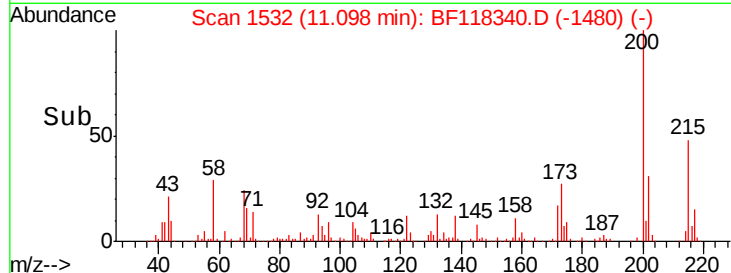
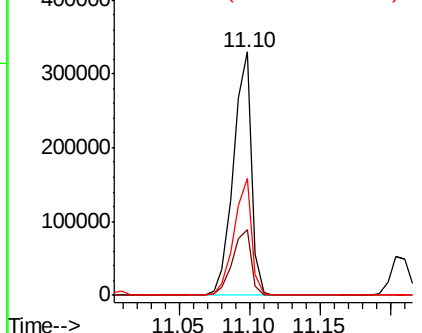


Abundance

Ion 200.00 (199.70 to 200.70): E

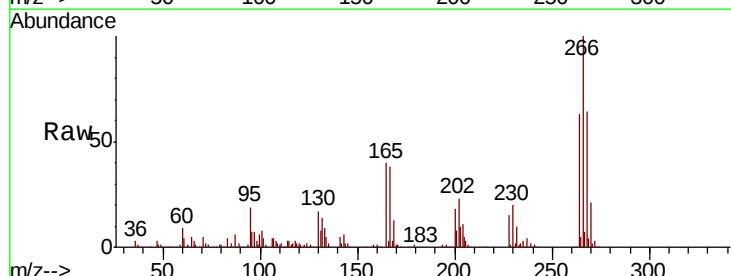
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 78.726 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.1	50.6	76.0
264	63.2	49.9	74.9

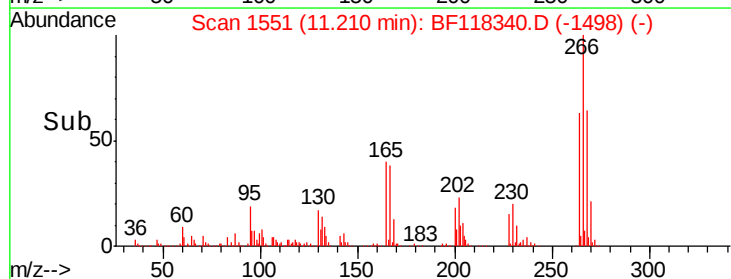
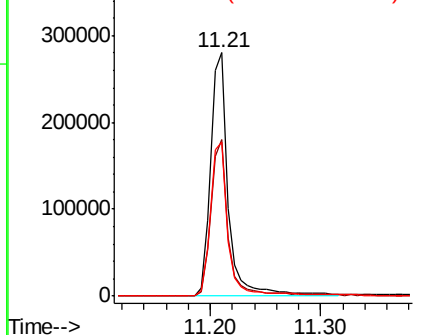


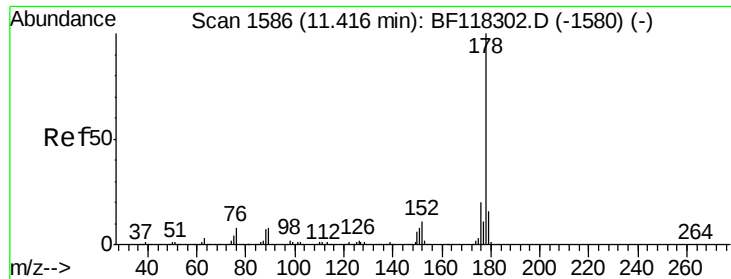
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





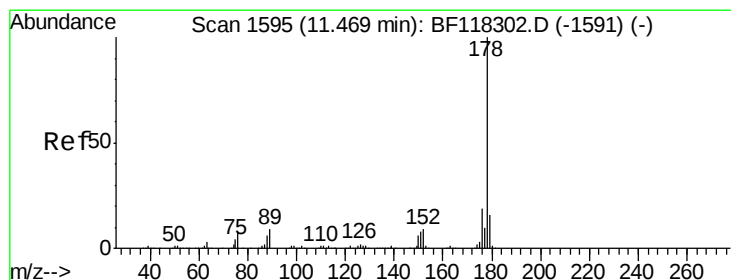
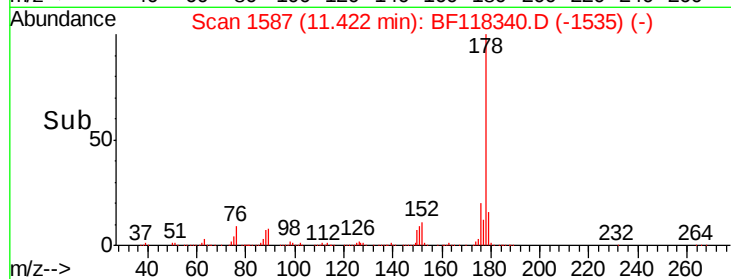
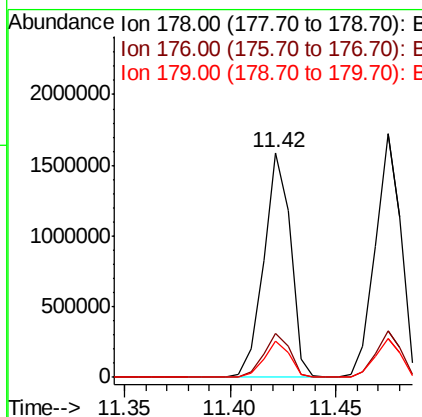
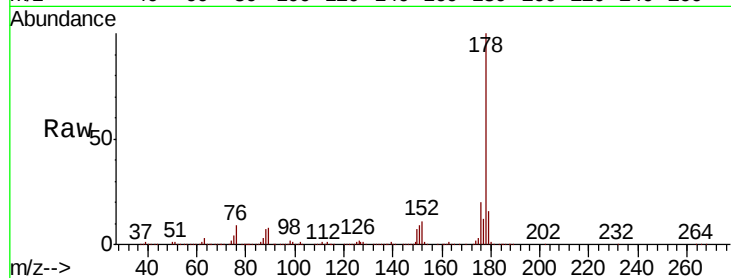
#71
Phenanthrene
Concen: 39.518 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	16.1	12.6	19.0

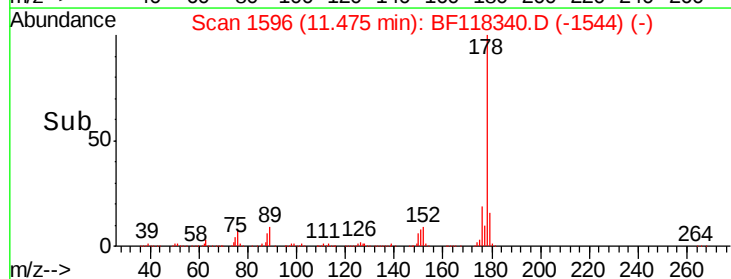
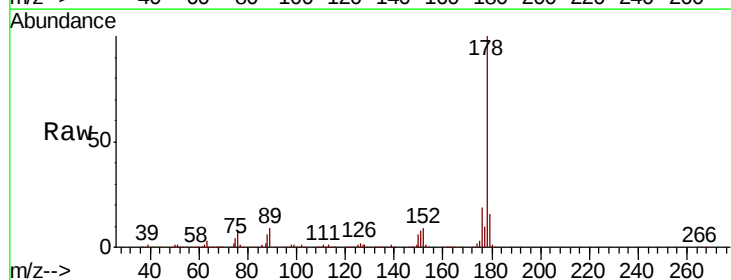
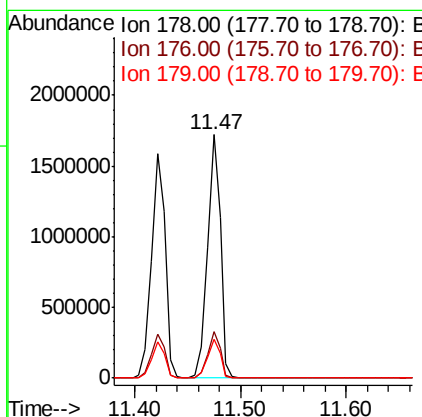
Manual Integrations
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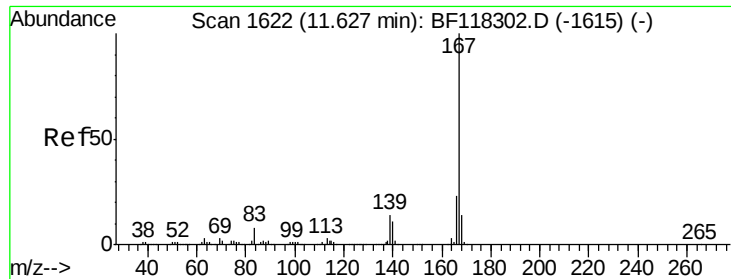
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#72
Anthracene
Concen: 41.415 ng
RT: 11.47 min Scan# 1596
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.9	12.9	19.3





#73

Carbazole

Concen: 40.161 ng

RT: 11.63 min Scan# 1623

Delta R.T. 0.01 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MSD

Tot Ion:167 Resp: 1267265

Ion Ratio Lower Upper

167 100

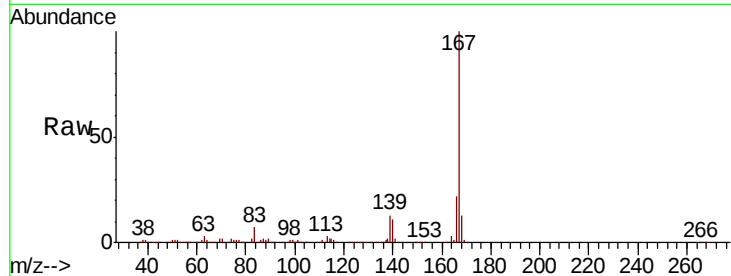
166 21.8 18.1 27.1

139 13.5 11.5 17.3

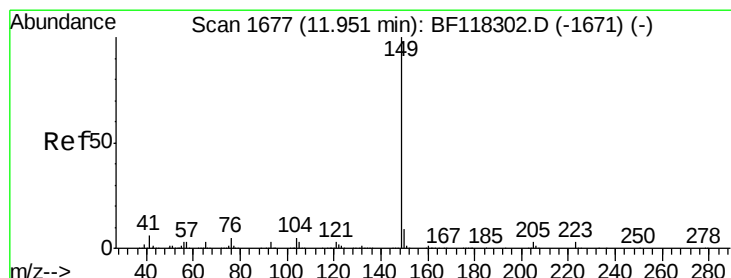
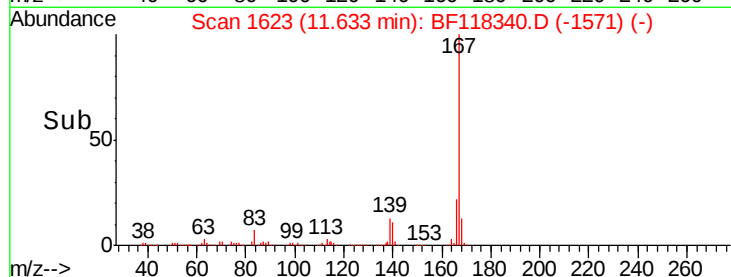
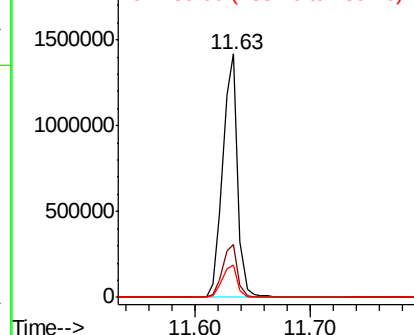
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 42.523 ng

RT: 11.95 min Scan# 1677

Delta R.T. 0.00 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

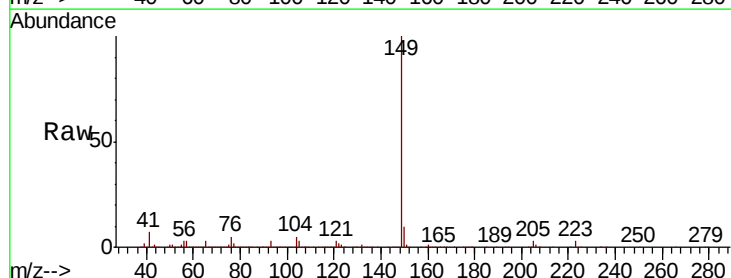
Tgt Ion:149 Resp: 1701362

Ion Ratio Lower Upper

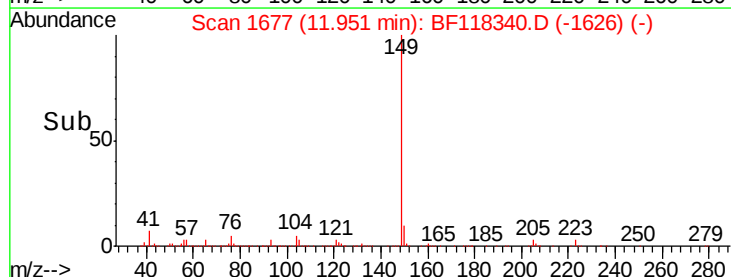
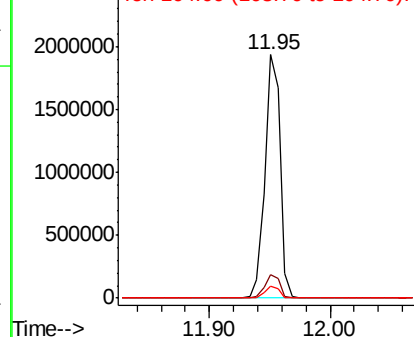
149 100

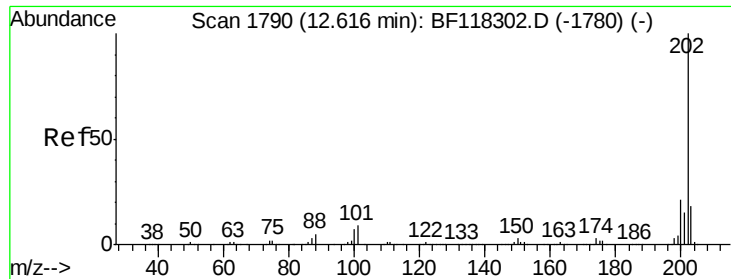
150 9.7 7.5 11.3

104 5.1 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





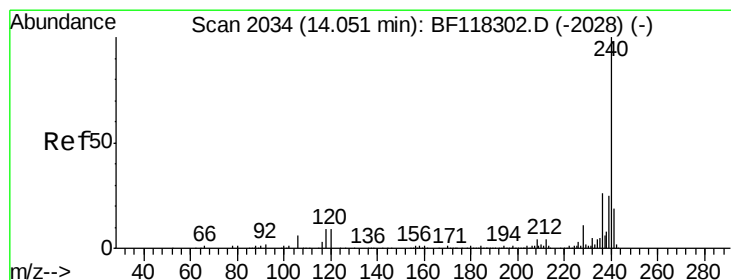
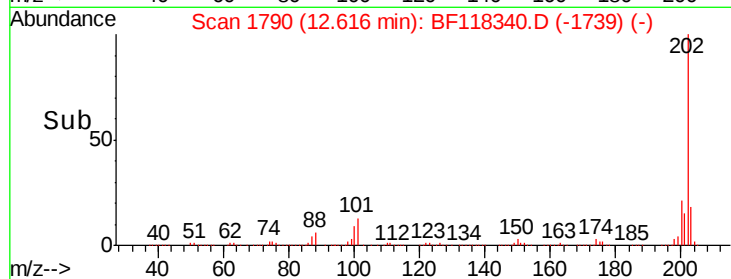
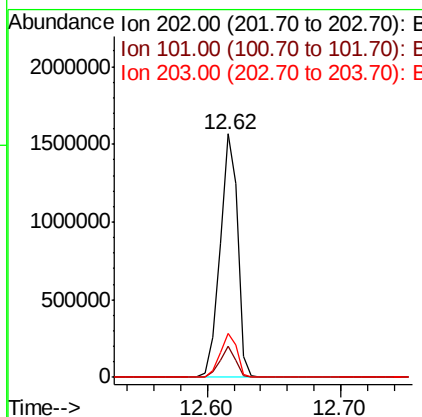
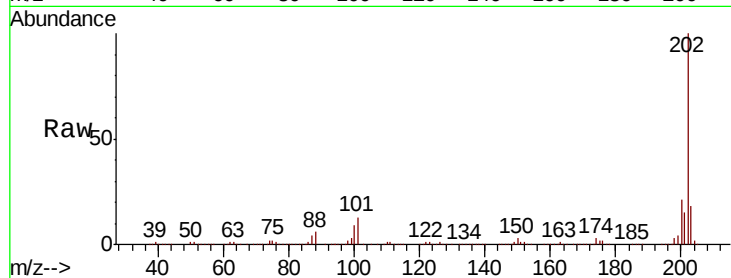
#75
 Fluoranthene
 Concen: 40.695 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: BF118340.D
 Acq: 27 Dec 2019 16:17

Instrument :
 BNA_F
 ClientSampleId :
 LIED-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	29.5
203	18.0	0.0	37.6

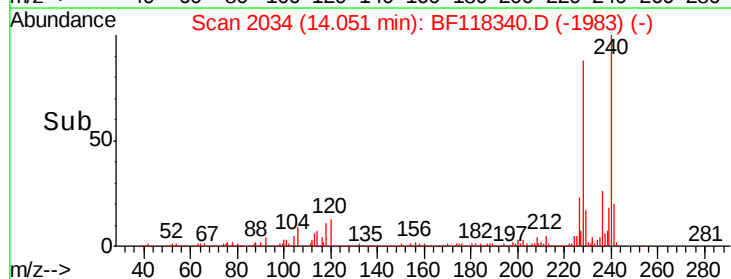
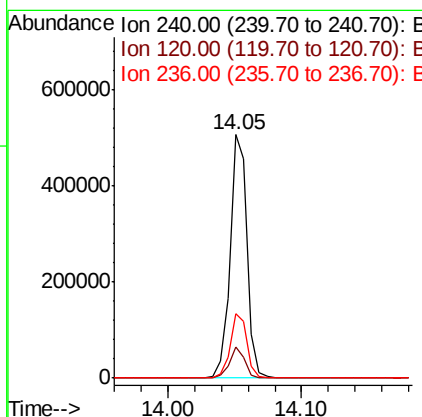
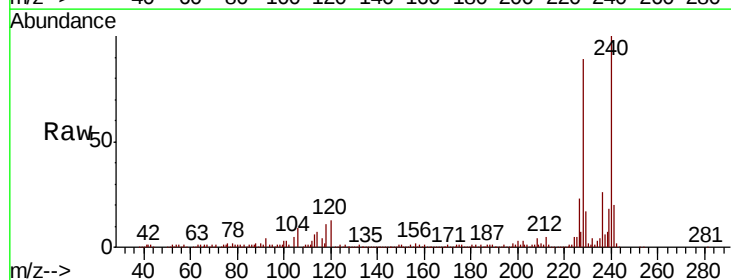
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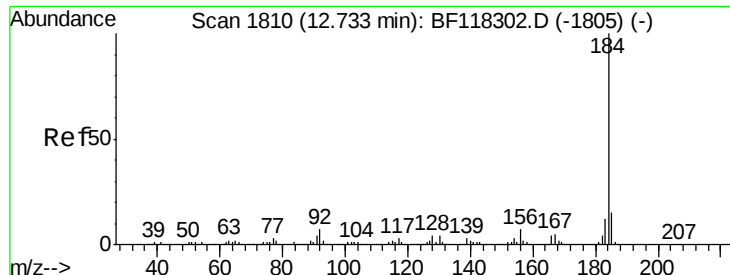
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF118340.D
 Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.9	7.1	10.7#
236	26.5	21.0	31.6





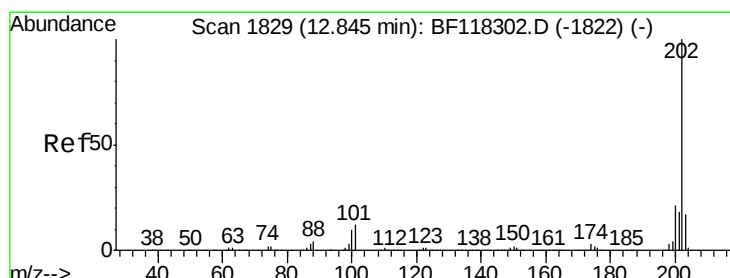
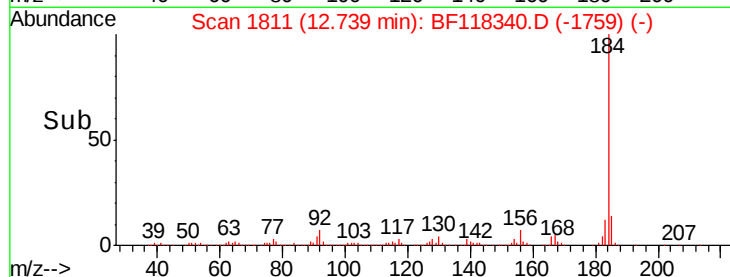
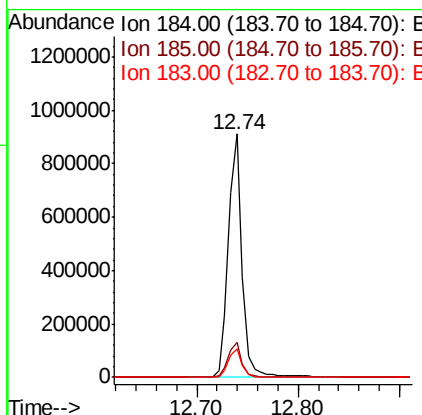
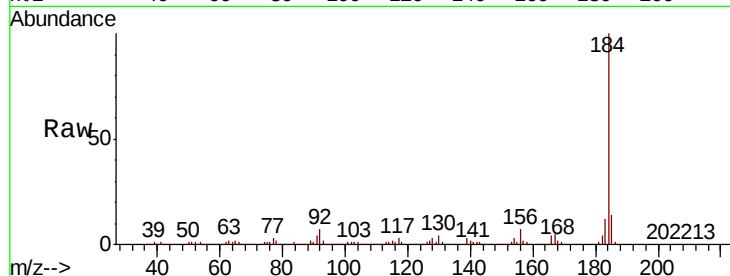
#77
Benzidine
Concen: 69.314 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
185	14.3	12.3	18.5	
183	11.9	9.4	14.2	

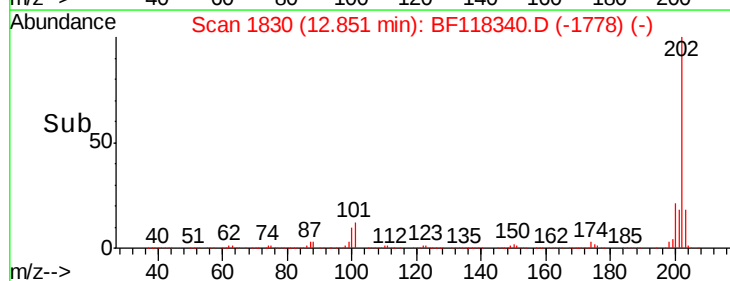
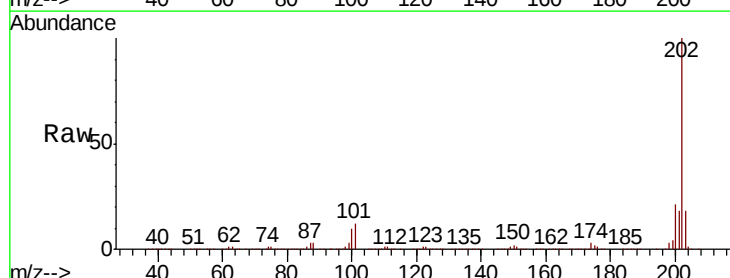
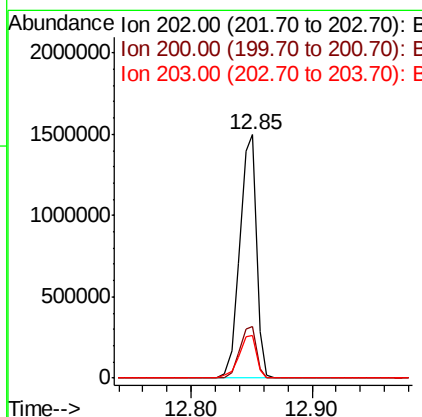
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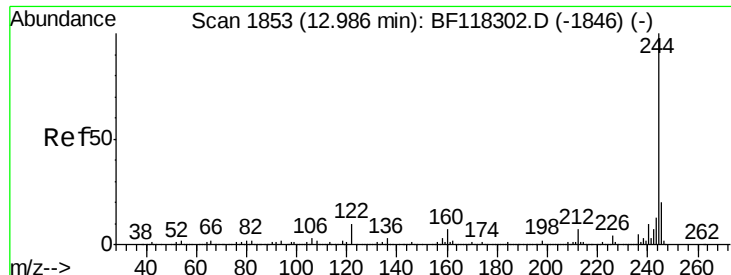
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#78
Pyrene
Concen: 39.358 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.4	16.8	25.2	
203	17.7	13.9	20.9	





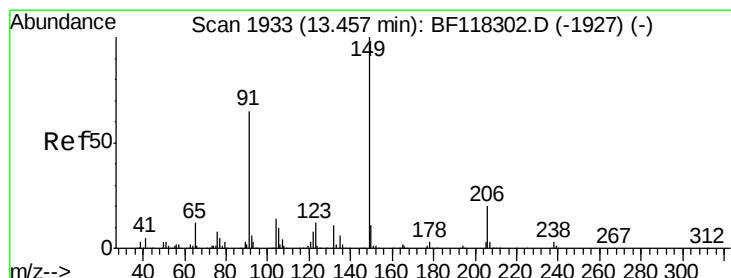
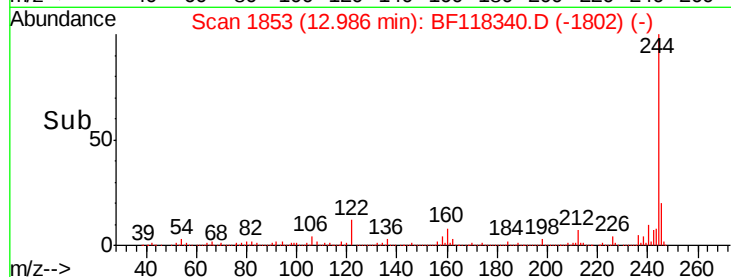
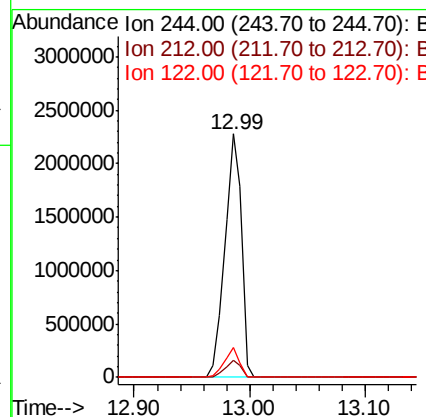
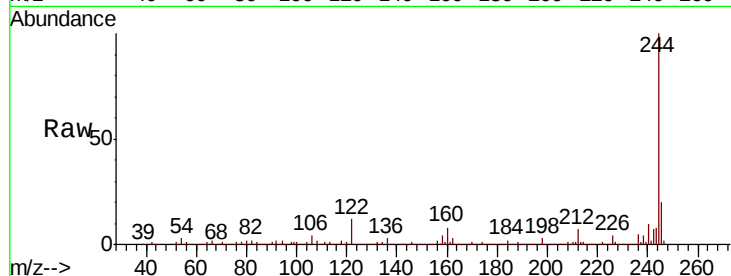
#79
 Terphenyl-d14
 Concen: 82.603 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: BF118340.D
 Acq: 27 Dec 2019 16:17

Instrument :
 BNA_F
 ClientSampleId :
 LIED-BF001-01MSD

Tot Ion:244 Resp: 2251886
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 12.1 7.8 11.8#

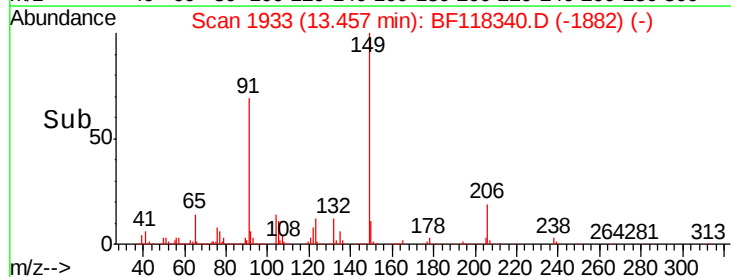
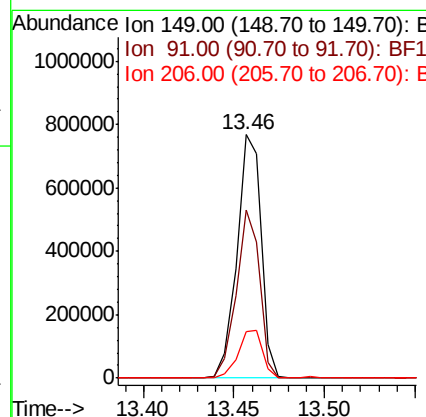
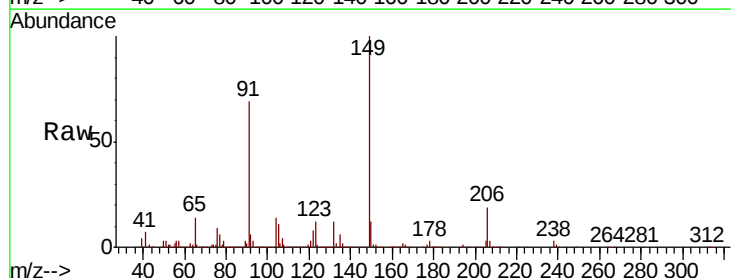
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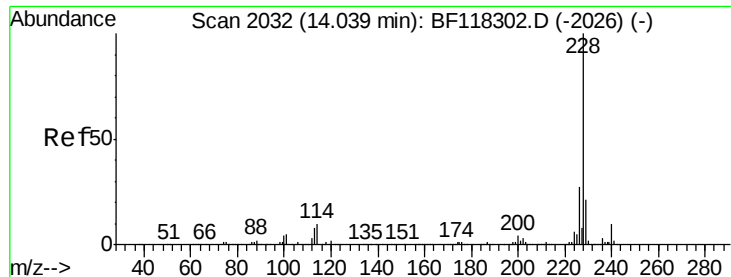
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#80
 Butylbenzylphthalate
 Concen: 42.855 ng
 RT: 13.46 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: BF118340.D
 Acq: 27 Dec 2019 16:17

Tgt Ion:149 Resp: 712655
 Ion Ratio Lower Upper
 149 100
 91 69.2 51.8 77.6
 206 19.0 15.7 23.5





#81

Benzo(a)anthracene

Concen: 39.784 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Instrument :

BNA_F

ClientSampleId :

LIED-BF001-01MSD

Tot Ion:228 Resp: 1259472

Ion Ratio Lower Upper

228 100

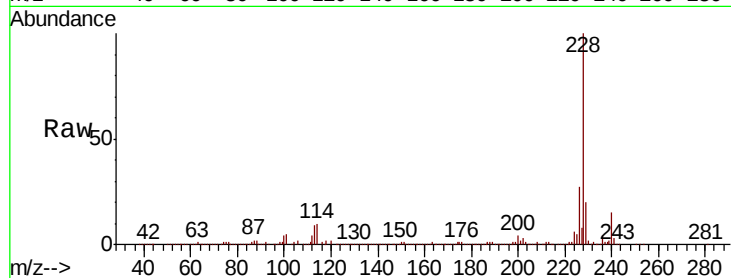
226 27.3 22.0 33.0

229 19.7 16.6 24.8

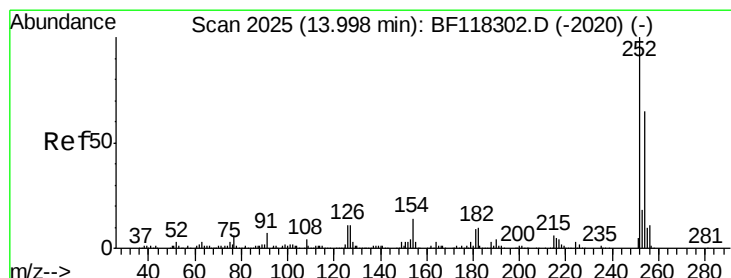
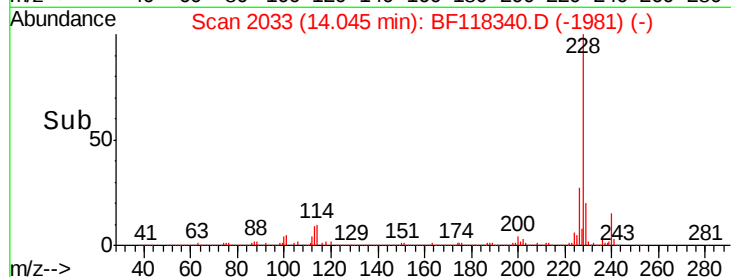
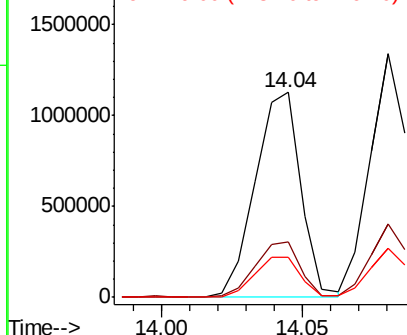
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 31.160 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Tgt Ion:252 Resp: 334465

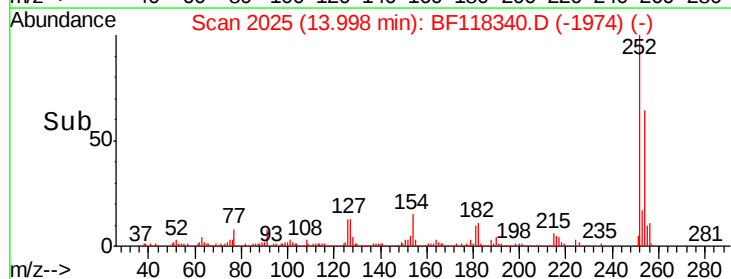
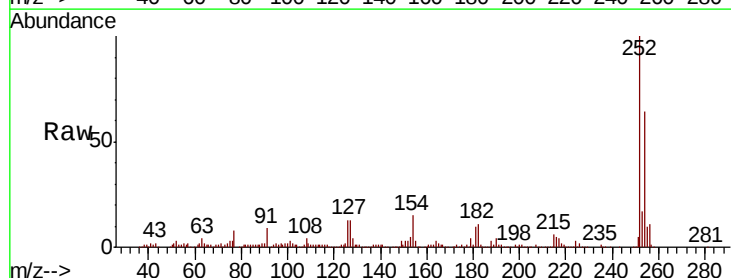
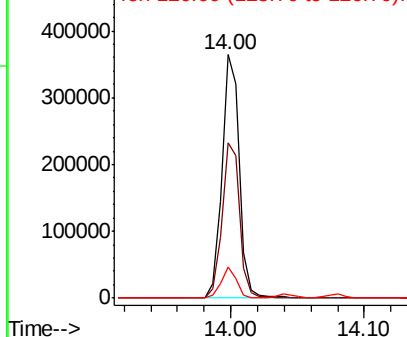
Ion Ratio Lower Upper

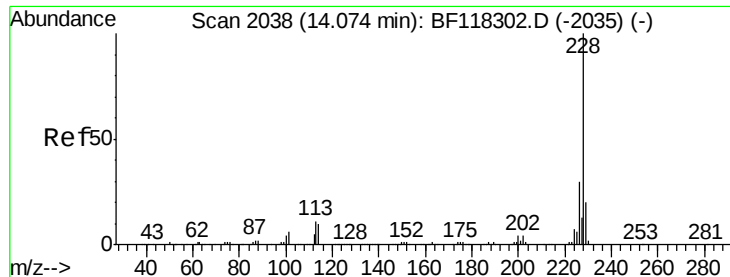
252 100

254 63.9 51.8 77.8

126 12.7 8.7 13.1

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





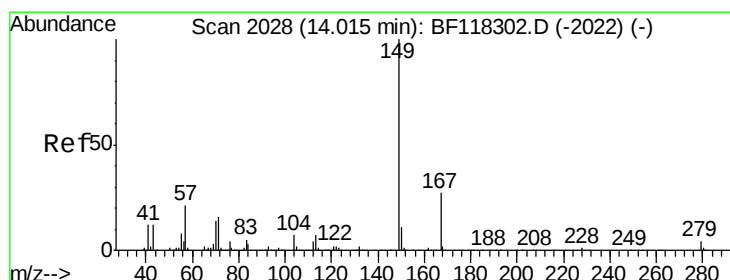
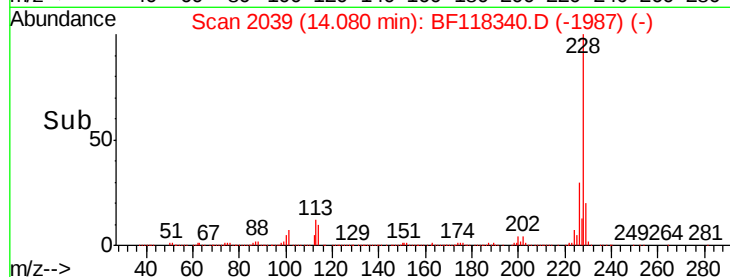
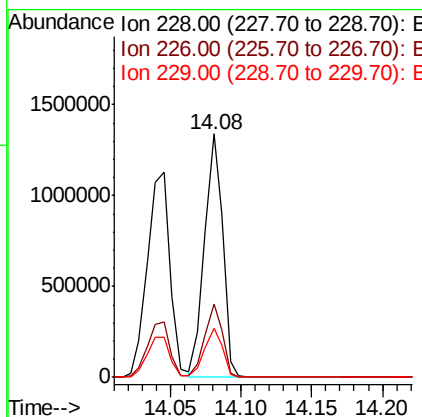
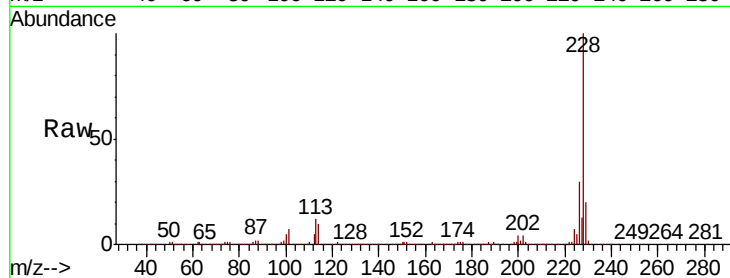
#83
Chrysene
Concen: 39.580 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion:228 Resp: 1199810
Ion Ratio Lower Upper
228 100
226 30.0 23.9 35.9
229 20.0 16.1 24.1

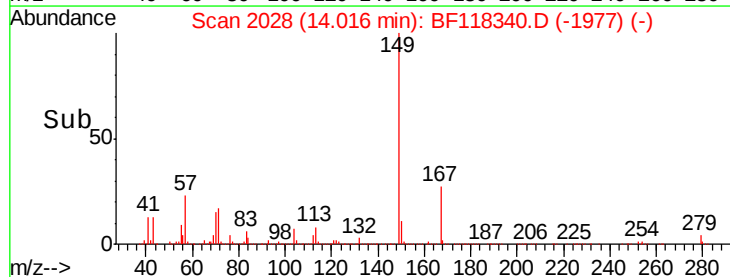
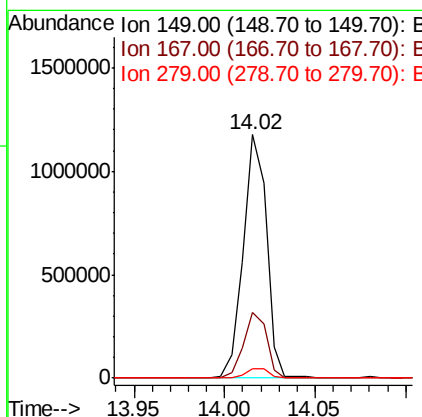
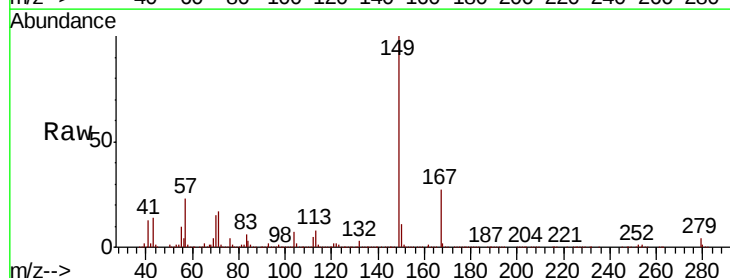
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#84
Bis(2-ethylhexyl)phthalate
Concen: 47.915 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion:149 Resp: 1047734
Ion Ratio Lower Upper
149 100
167 26.9 21.3 31.9
279 3.9 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 51.467 ng

RT: 14.63 min Scan# 2133

Delta R.T. 0.00 min

Lab File: BF118340.D

Acq: 27 Dec 2019 16:17

Instrument :

BNA_F

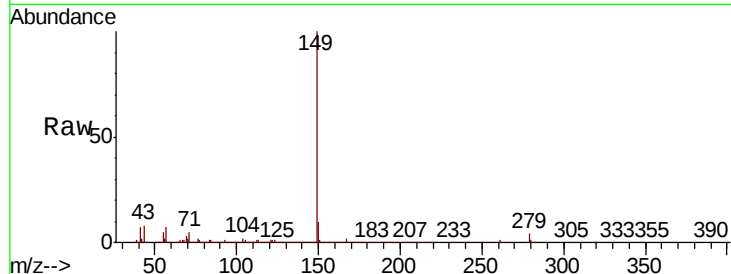
ClientSampleId :

LIED-BF001-01MSD

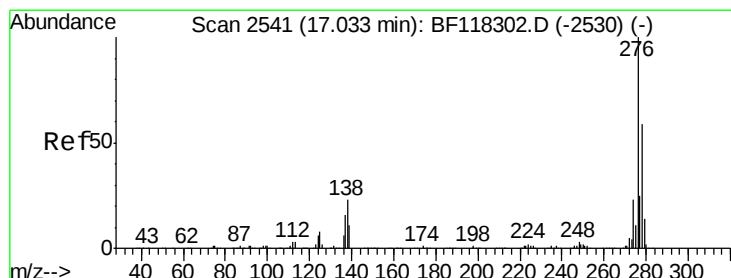
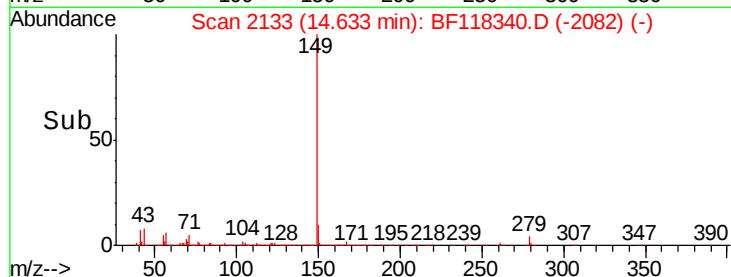
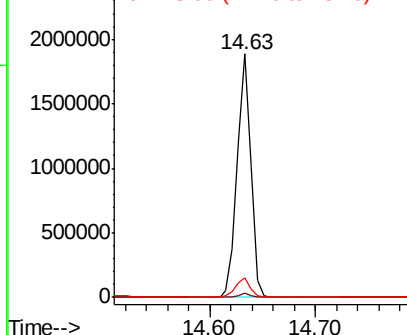
Tot Ion:	149	Resp:	1655431
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.8	6.1	9.1

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 46.911 ng

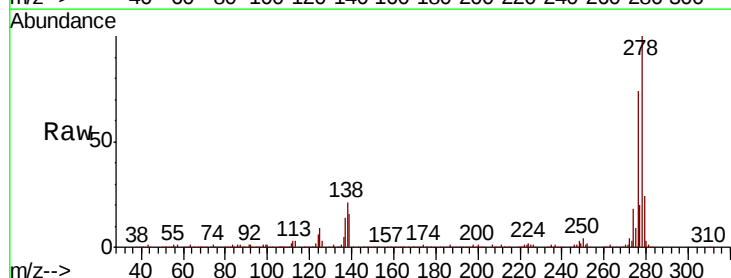
RT: 17.07 min Scan# 2547

Delta R.T. 0.04 min

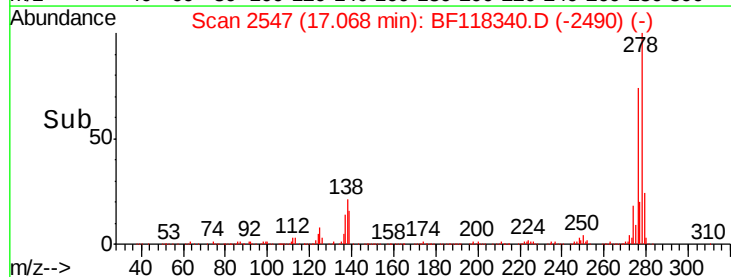
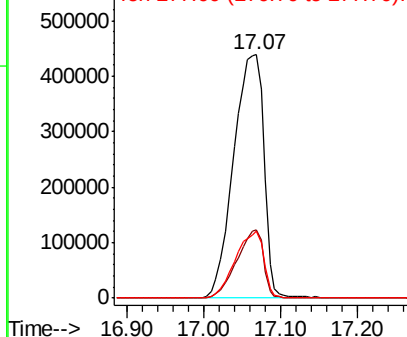
Lab File: BF118340.D

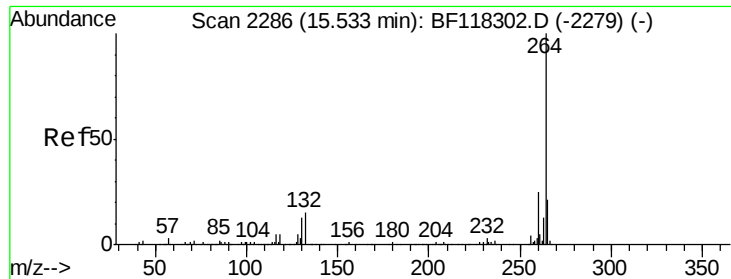
Acq: 27 Dec 2019 16:17

Tgt Ion:	276	Resp:	1211661
Ion	Ratio	Lower	Upper
276	100		
138	24.8	19.5	29.3
277	25.8	20.6	30.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





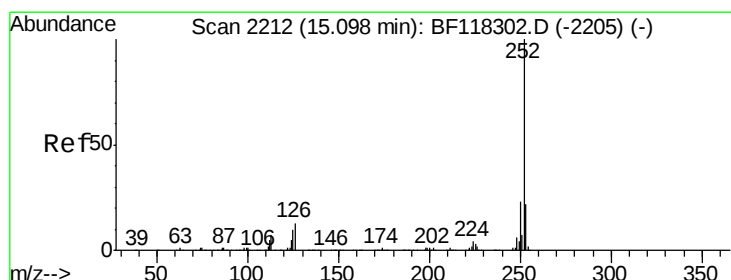
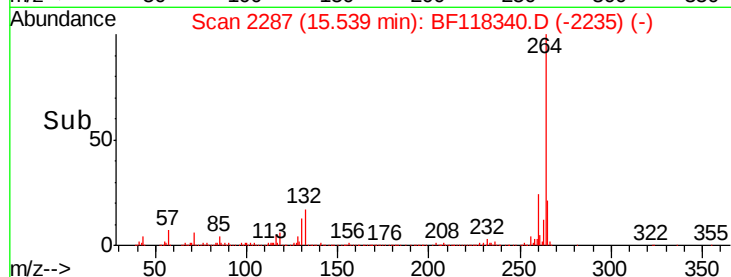
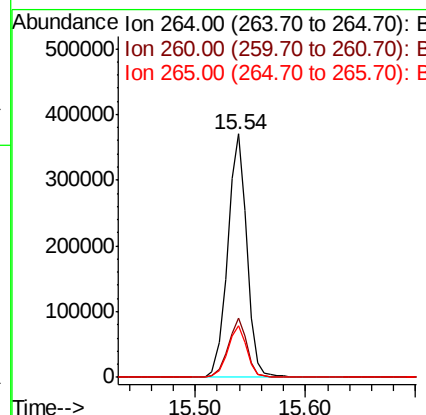
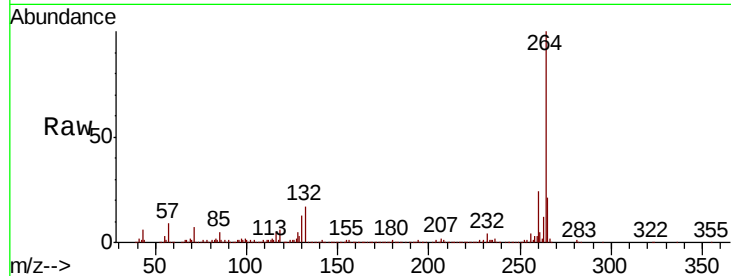
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.8	29.6
265	21.4	17.0	25.4

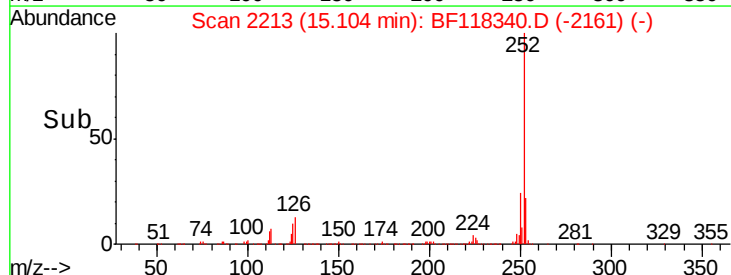
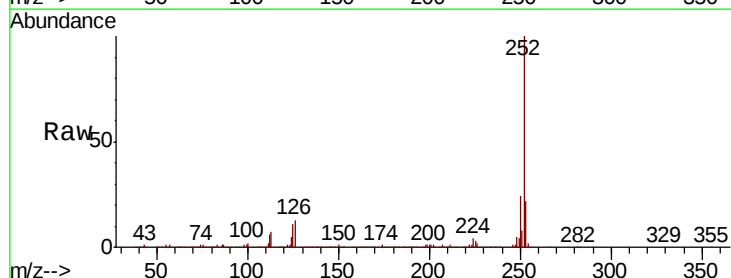
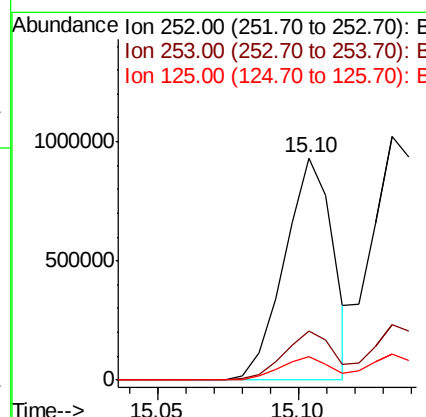
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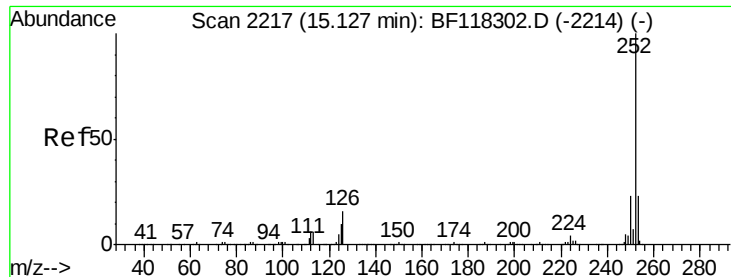
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#88
Benzo(b)fluoranthene
Concen: 37.346 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.6	7.7	11.5





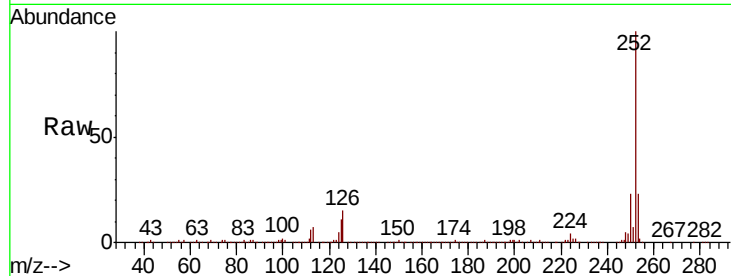
#89
Benzo(k)fluoranthene
Concen: 39.799 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	10.9	8.0	12.0

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12/29/2019 5:27:41 PM

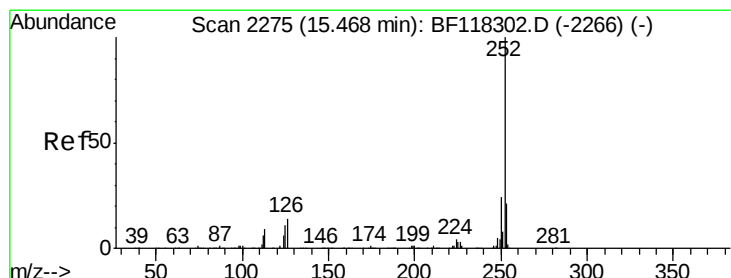
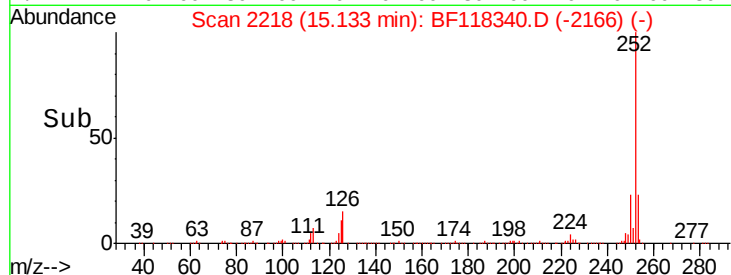
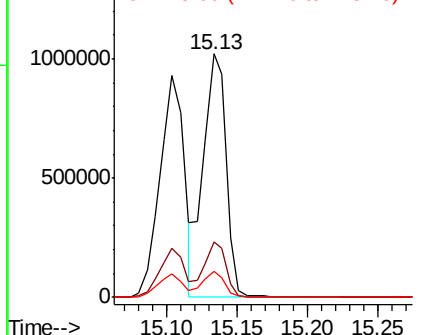


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 37.984 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

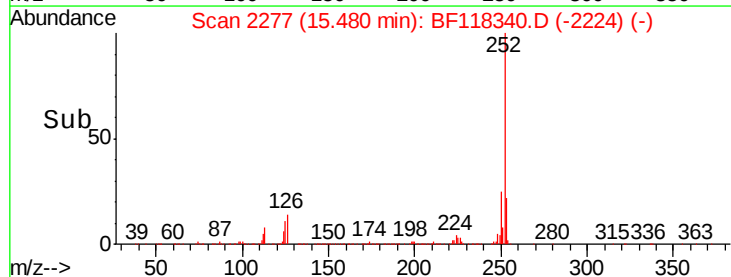
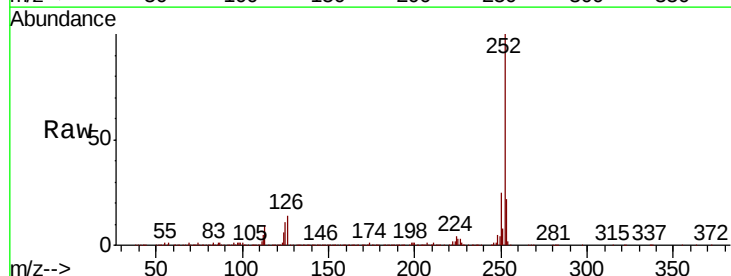
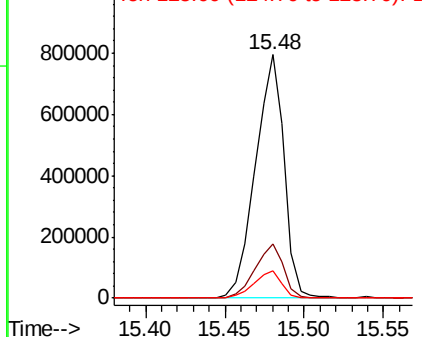
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	11.5	9.0	13.4

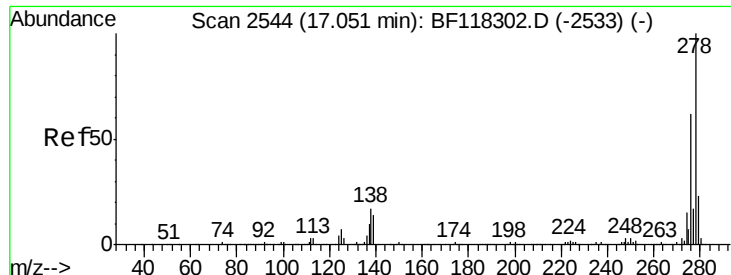
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





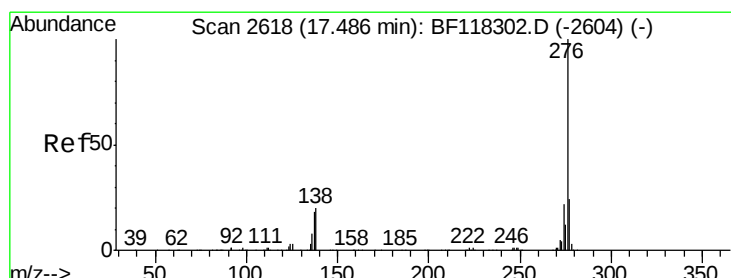
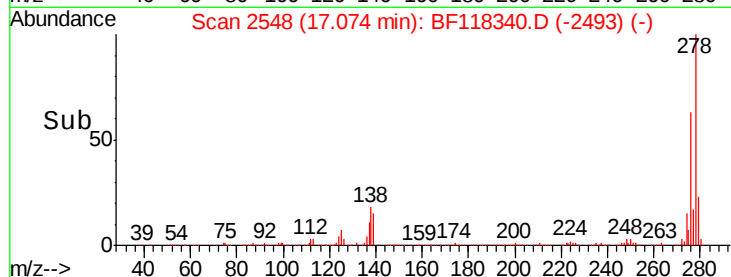
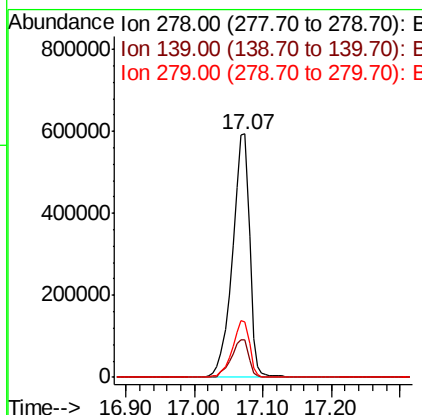
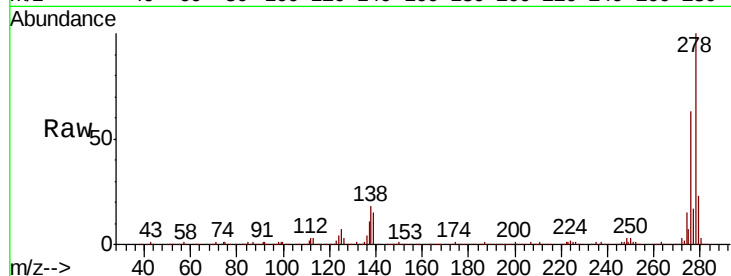
#91
Dibenzo(a,h)anthracene
Concen: 44.908 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.02 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Instrument :
BNA_F
ClientSampleId :
LIED-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.2	11.5	17.3
279	23.0	18.3	27.5

Manual Integrations
APPROVED

mohammad
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#92
Benzo(g,h,i)perylene
Concen: 45.443 ng
RT: 17.52 min Scan# 2623
Delta R.T. 0.03 min
Lab File: BF118340.D
Acq: 27 Dec 2019 16:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.1	28.7
138	21.3	16.1	24.1

