

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
 Data File : BF119045.D
 Acq On : 25 Feb 2020 2:52
 Operator : CG/JU
 Sample : L1635-13MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L1ED-TS001-01MSD

Manual Integrations
 APPROVED

mohammad
 2/25/2020 4:19:32 PM

Quant Time: Feb 25 03:41:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	163853	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	614238	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	330175	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	592512	20.00	ng	0.00
76) Chrysene-d12	13.91	240	370386	20.00	ng	0.00
87) Perylene-d12	15.33	264	367686	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	1065325	108.66	ng	0.01
7) Phenol-d6	6.40	99	1294774	108.58	ng	0.00
23) Nitrobenzene-d5	7.32	82	865917	74.43	ng	0.00
42) 2,4,6-Tribromophenol	10.58	330	450739	104.36	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	1673870	74.68	ng	0.00
79) Terphenyl-d14	12.85	244	1763879	81.99	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.53	88	160234	36.706	ng	99
3) Pyridine	3.28	79	411066	34.480	ng	98
4) n-Nitrosodimethylamine	3.20	42	156983	43.467	ng	93
6) Aniline	6.42	93	190848	12.971	ng	# 1
8) 2-Chlorophenol	6.55	128	481204	45.478	ng	97
9) Benzaldehyde	6.30	77	203923	25.597	ng	100
10) Phenol	6.42	94	547166	42.441	ng	95
11) bis(2-Chloroethyl)ether	6.49	93	426562	43.242	ng	99
12) 1,3-Dichlorobenzene	6.70	146	523088	41.246	ng	100
13) 1,4-Dichlorobenzene	6.77	146	528457	41.641	ng	99
14) 1,2-Dichlorobenzene	6.93	146	490410	42.372	ng	98
15) Benzyl Alcohol	6.90	79	390005	45.254	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.03	45	350490	41.017	ng	78
17) 2-Methylphenol	7.02	107	377138	43.962	ng	95
18) Hexachloroethane	7.27	117	189922	41.830	ng	97
19) n-Nitroso-di-n-propylamine	7.17	70	305627	43.986	ng	99
20) 3+4-Methylphenols	7.17	107	469687	44.689	ng	# 77
22) Acetophenone	7.17	105	621972	43.764	ng	97
24) Nitrobenzene	7.34	77	475302	41.316	ng	100
25) Isophorone	7.58	82	853817	42.261	ng	100
26) 2-Nitrophenol	7.66	139	267376	43.865	ng	98
27) 2,4-Dimethylphenol	7.70	122	385459	46.595	ng	96
28) bis(2-Chloroethoxy)methane	7.79	93	533374	40.559	ng	99
29) 2,4-Dichlorophenol	7.90	162	406138	41.703	ng	99
30) 1,2,4-Trichlorobenzene	7.98	180	463038	40.101	ng	99
31) Naphthalene	8.06	128	1333681	41.867	ng	99
32) Benzoic acid	7.85	122	264344	44.378	ng	98
33) 4-Chloroaniline	8.11	127	64116	4.680	ng	96
34) Hexachlorobutadiene	8.18	225	282271	39.245	ng	98
35) Caprolactam	8.49	113	115275m	38.441	ng	
36) 4-Chloro-3-methylphenol	8.61	107	412278	41.829	ng	95
37) 2-Methylnaphthalene	8.75	142	921731	42.996	ng	100
38) 1-Methylnaphthalene	8.85	142	861092	42.710	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.92	216	459694	41.294	ng	99

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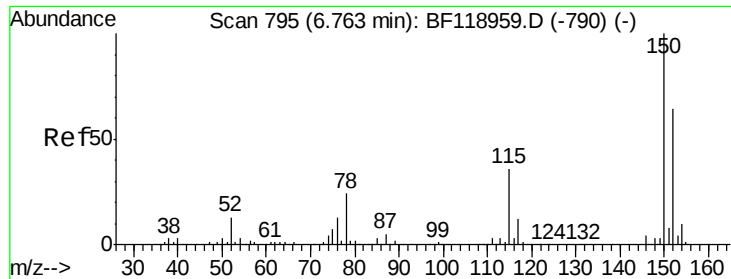
Manual Integrations
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.90	237	296183	73.905	ng	95
43) 2,4,6-Trichlorophenol	9.03	196	297268	42.286	ng	100
44) 2,4,5-Trichlorophenol	9.08	196	310697	42.118	ng	96
46) 1,1'-Biphenyl	9.22	154	1091935	40.920	ng	99
47) 2-Chloronaphthalene	9.24	162	872006	40.551	ng	99
48) 2-Nitroaniline	9.33	65	234197	39.047	ng	96
49) Acenaphthylene	9.65	152	1333282	42.929	ng	100
50) Dimethylphthalate	9.52	163	1163316	46.076	ng	99
51) 2,6-Dinitrotoluene	9.58	165	237876	42.407	ng	97
52) Acenaphthene	9.82	154	776134	41.443	ng	100
53) 3-Nitroaniline	9.75	138	62276	10.014	ng	99
54) 2,4-Dinitrophenol	9.86	184	196380	72.777	ng	92
55) Dibenzofuran	10.00	168	1184828	42.387	ng	99
56) 4-Nitrophenol	9.93	139	298385	79.862	ng	95
57) 2,4-Dinitrotoluene	9.99	165	300352	41.310	ng	93
58) Fluorene	10.34	166	911287	41.955	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.12	232	256382	41.189	ng	99
60) Diethylphthalate	10.22	149	999164	41.994	ng	100
61) 4-Chlorophenyl-phenylether	10.33	204	489244	42.553	ng	98
62) 4-Nitroaniline	10.36	138	204983	32.218	ng	100
63) Azobenzene	10.49	77	879700	42.536	ng	95
65) 4,6-Dinitro-2-methylphenol	10.40	198	160988	44.901	ng	93
66) n-Nitrosodiphenylamine	10.45	169	821770	42.357	ng	100
67) 4-Bromophenyl-phenylether	10.82	248	321226	41.476	ng	97
68) Hexachlorobenzene	10.89	284	356765	39.954	ng	97
69) Atrazine	10.98	200	295835	43.643	ng	98
70) Pentachlorophenol	11.09	266	308724	85.828	ng	99
71) Phenanthrene	11.30	178	1315083	40.699	ng	99
72) Anthracene	11.35	178	1373239	42.534	ng	100
73) Carbazole	11.50	167	1140418	39.649	ng	99
74) Di-n-butylphthalate	11.83	149	1495572	42.937	ng	99
75) Fluoranthene	12.49	202	1306836	38.101	ng	98
77) Benzidine	12.60	184	341540	22.674	ng	97
78) Pyrene	12.71	202	1288485	43.323	ng	100
80) Butylbenzylphthalate	13.33	149	555995	44.418	ng	95
81) Benzo(a)anthracene	13.90	228	995691	39.454	ng	99
82) 3,3'-Dichlorobenzidine	13.86	252	211195	21.551	ng	100
83) Chrysene	13.93	228	977122	38.857	ng	99
84) Bis(2-ethylhexyl)phthalate	13.89	149	752305	47.572	ng	99
85) Di-n-octyl phthalate	14.49	149	1166420	46.293	ng	100
86) Indeno(1,2,3-cd)pyrene	16.75	276	1165982	47.887	ng	98
88) Benzo(b)fluoranthene	14.93	252	965996	39.858	ng	99
89) Benzo(k)fluoranthene	14.96	252	946951	42.162	ng	99
90) Benzo(a)pyrene	15.27	252	884425	40.434	ng	99
91) Dibenzo(a,h)anthracene	16.75	278	966433	50.214	ng	99
92) Benzo(g,h,i)perylene	17.17	276	1009552	53.089	ng	99

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



#1

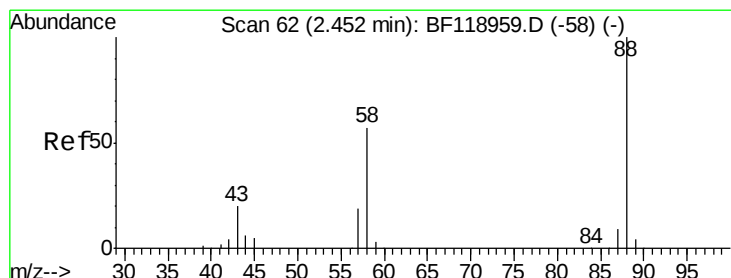
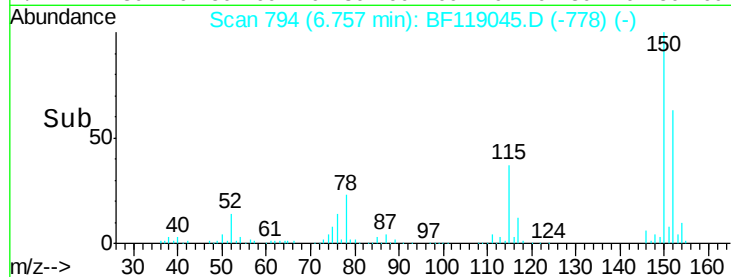
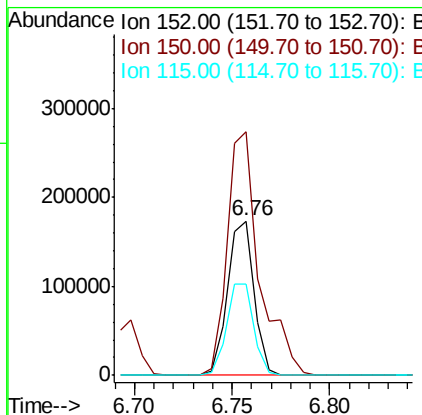
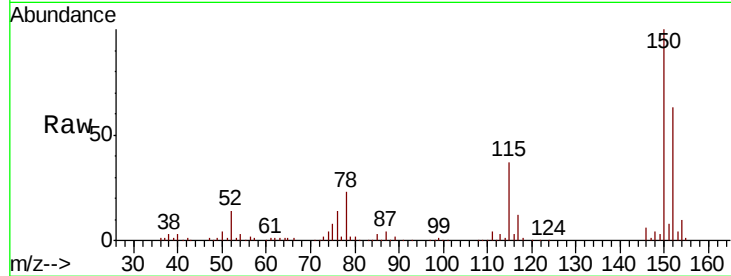
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.3	186.5
115	58.9	44.6	67.0

Manual Integrations
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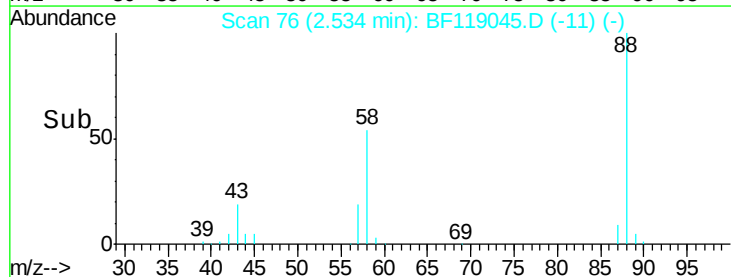
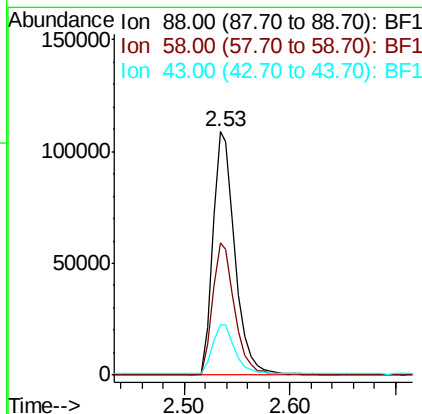
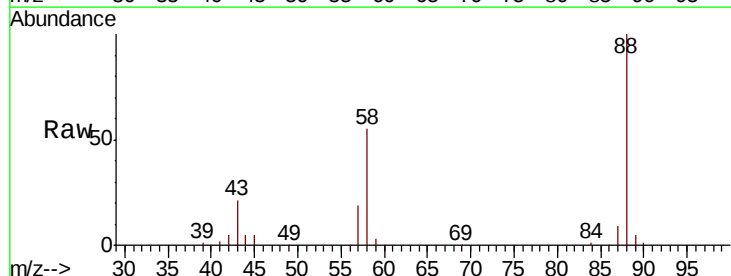
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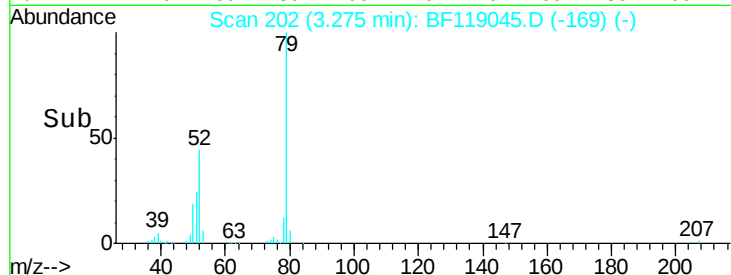
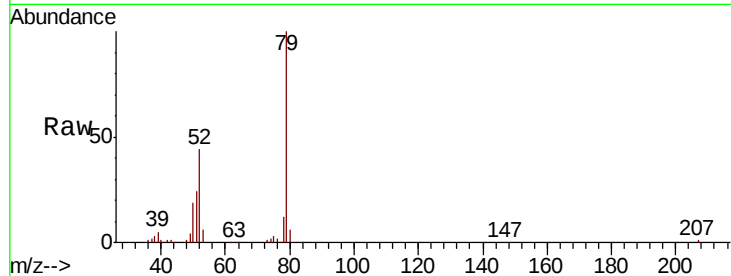
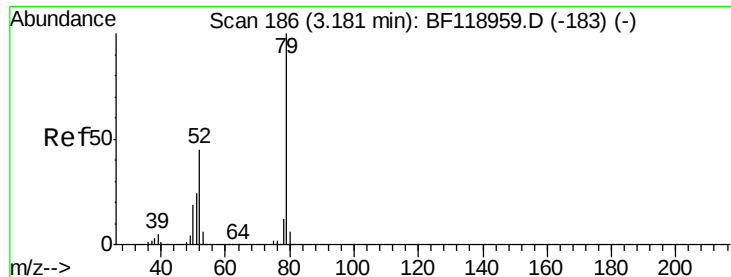


#2

1,4-Dioxane
Concen: 36.706 ng
RT: 2.53 min Scan# 76
Delta R.T. 0.08 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	54.8	44.6	66.8
43	20.6	16.0	24.0





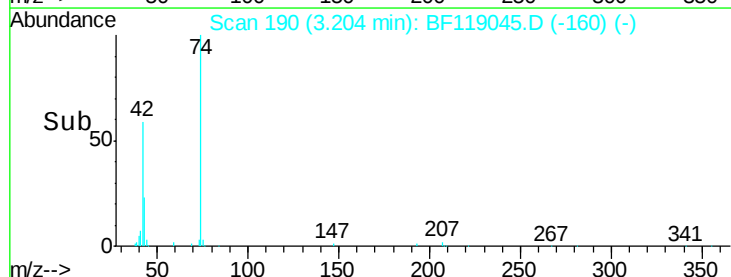
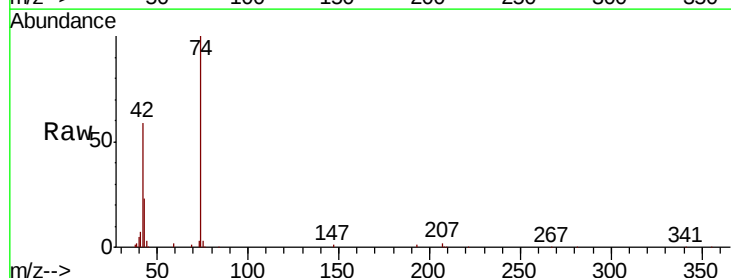
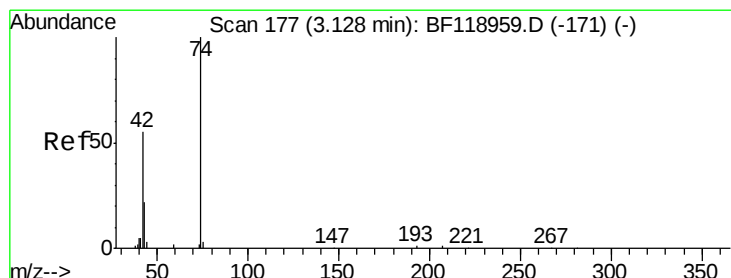
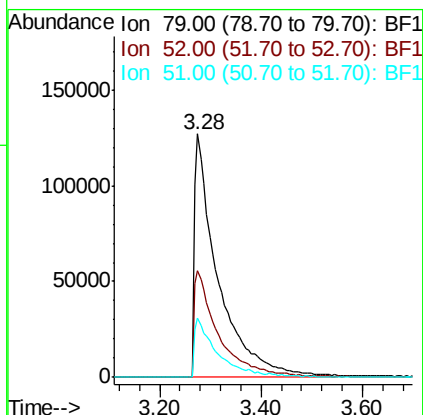
#3
 Pvridine
 Concen: 34.480 ng
 RT: 3.28 min Scan# 202
 Delta R.T. 0.09 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Tot Ion:	79	Resp:	411066
Ion Ratio	Lower	Upper	
79	100		
52	43.9	36.3	54.5
51	24.3	19.5	29.3

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MSD

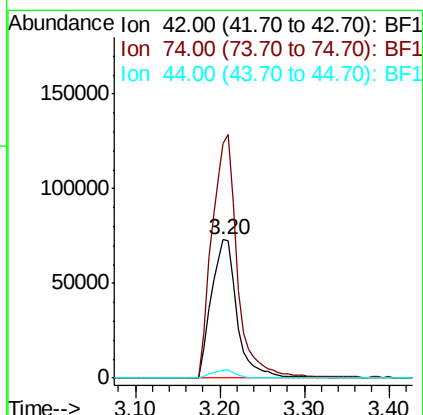
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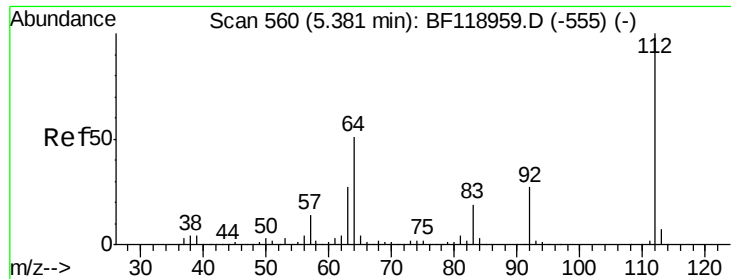
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#4
 n-Nitrosodimethylamine
 Concen: 43.467 ng
 RT: 3.20 min Scan# 190
 Delta R.T. 0.08 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Tgt Ion:	42	Resp:	156983
Ion Ratio	Lower	Upper	
42	100		
74	170.1	144.4	216.6
44	5.8	4.5	6.7





#5

2-Fluorophenol

Concen: 108.655 ng

RT: 5.39 min Scan# 562

Delta R.T. 0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Instrument :

BNA_F

ClientSampleId :

LIED-TS001-01MSD

Tot Ion: 112 Resp: 1065325

Ion Ratio Lower Upper

112 100

64 53.8 40.4 60.6

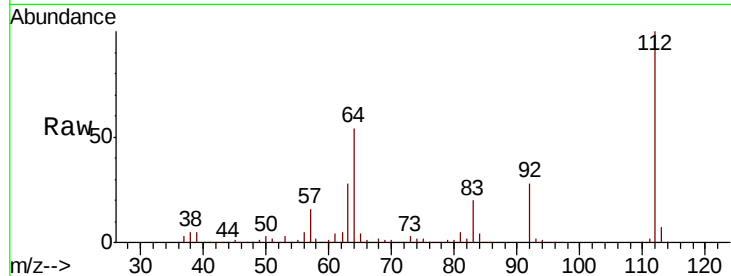
63 28.5 21.3 31.9

Manual Integrations

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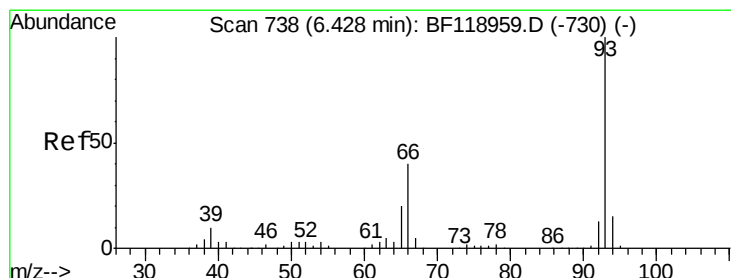
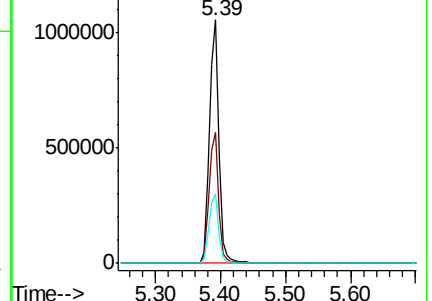
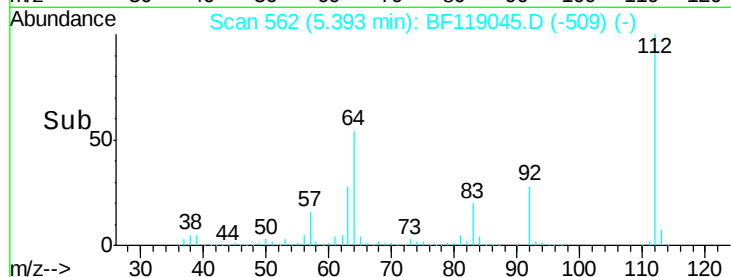
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 12.971 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

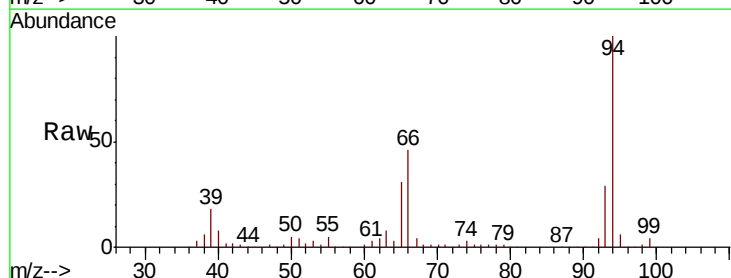
Tgt Ion: 93 Resp: 190848

Ion Ratio Lower Upper

93 100

66 158.8 32.2 48.2#

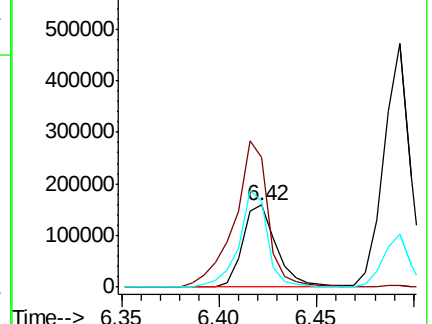
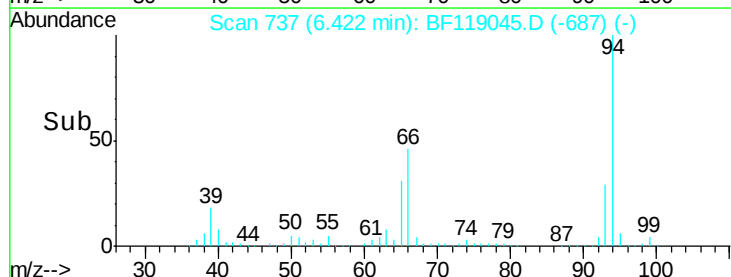
65 105.0 16.1 24.1#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 108.583 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Instrument :

BNA_F

ClientSampleId :

LIED-TS001-01MSD

Tot Ion: 99 Resp: 1294774

Ion Ratio Lower Upper

99 100

42 15.3 11.4 17.0

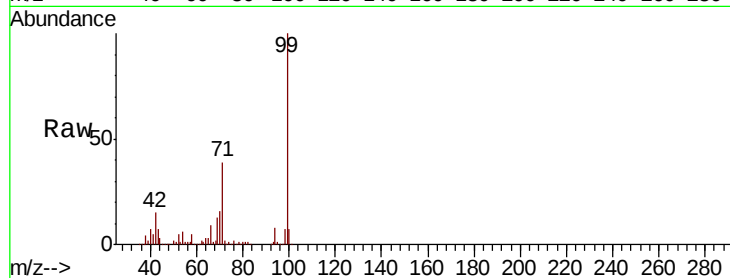
71 38.6 29.8 44.6

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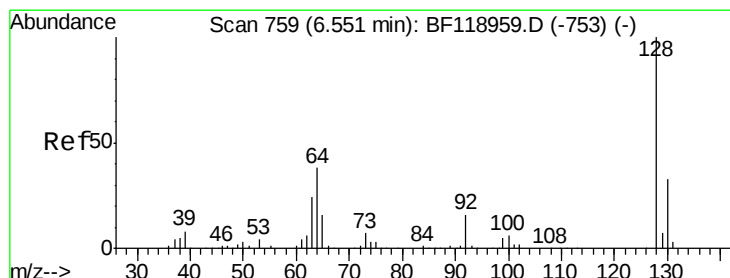
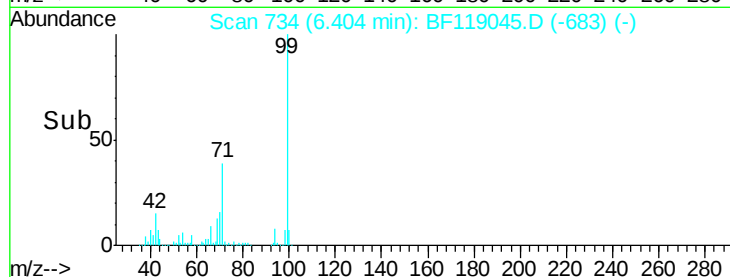
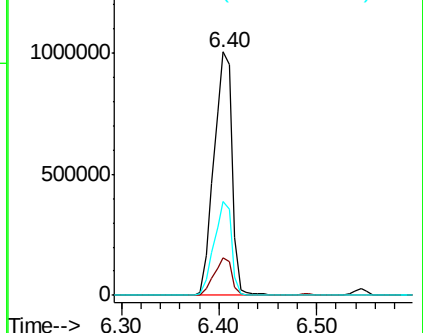
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 45.478 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

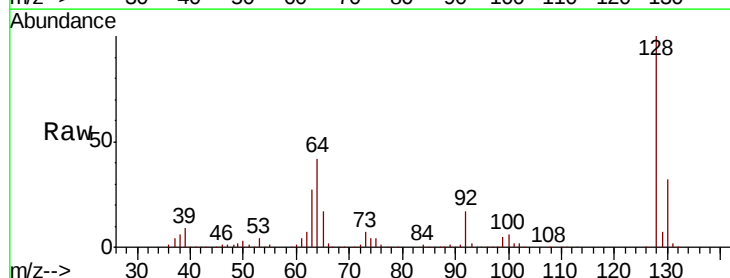
Tgt Ion: 128 Resp: 481204

Ion Ratio Lower Upper

128 100

130 32.3 12.7 52.7

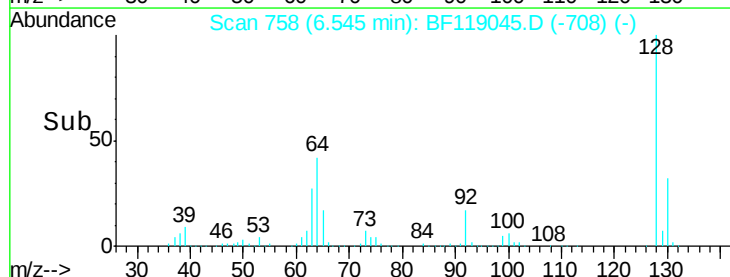
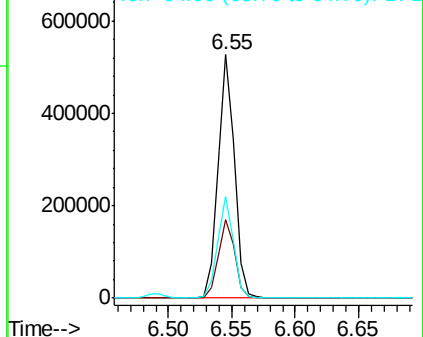
64 41.7 18.7 58.7

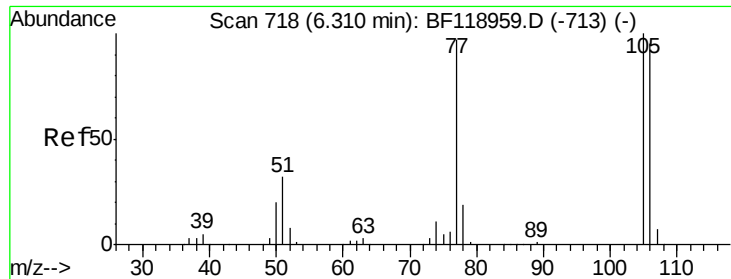


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 25.597 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Instrument :

BNA_F

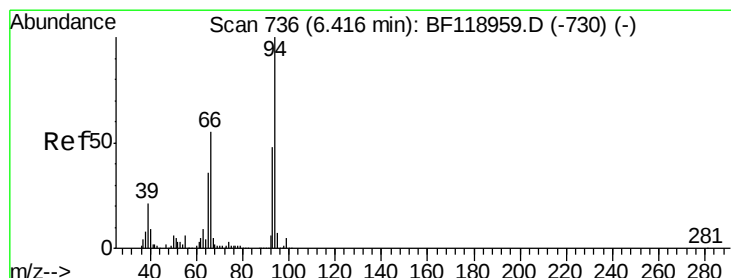
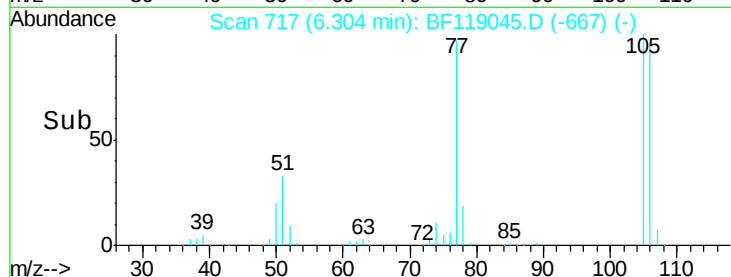
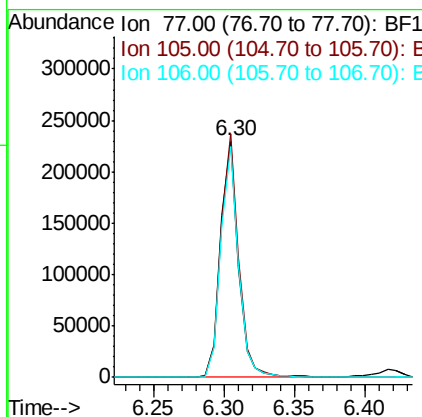
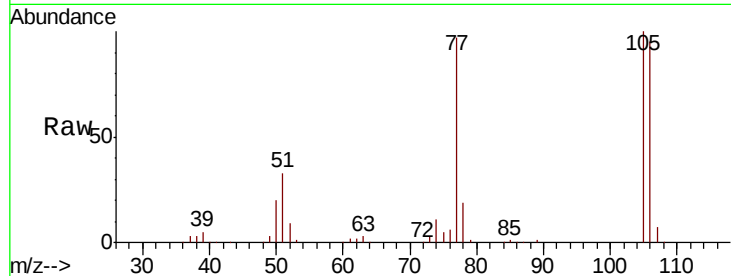
ClientSampleId :

LIED-TS001-01MSD

Tot Ion:	77	Resp:	203923
Ion	Ratio	Lower	Upper
77	100		
105	102.9	83.0	123.0
106	97.4	78.3	118.3

Manual Integrations
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#10

Phenol

Concen: 42.441 ng

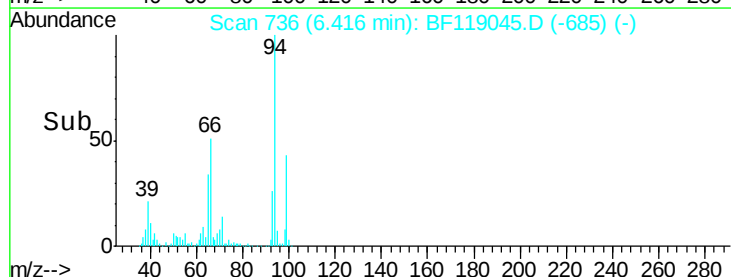
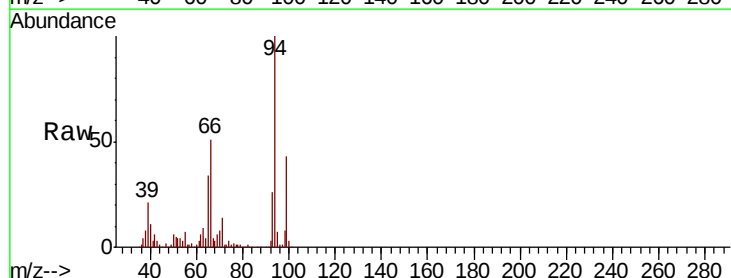
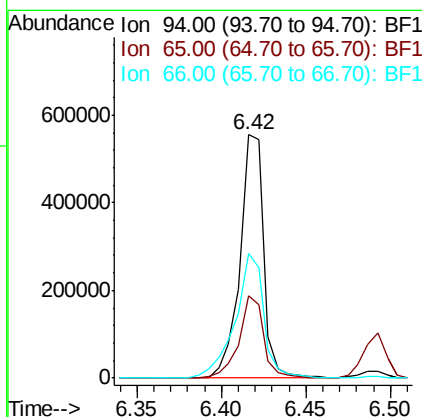
RT: 6.42 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Tgt Ion:	94	Resp:	547166
Ion	Ratio	Lower	Upper
94	100		
65	33.6	15.5	55.5
66	51.2	35.6	75.6





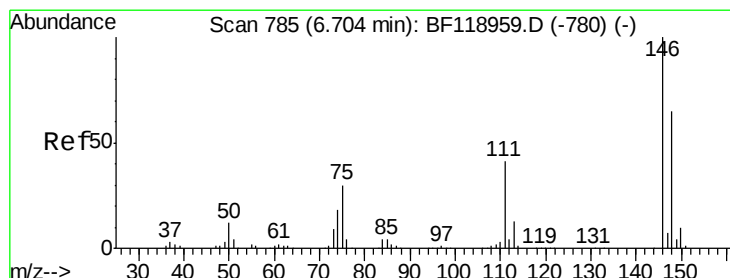
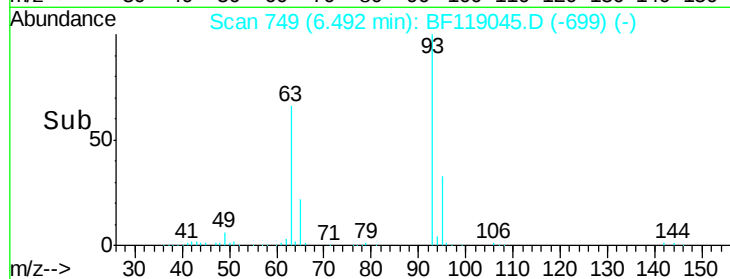
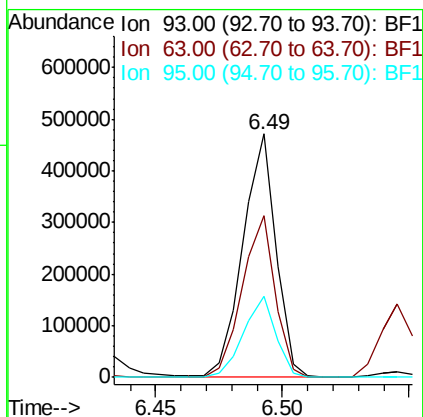
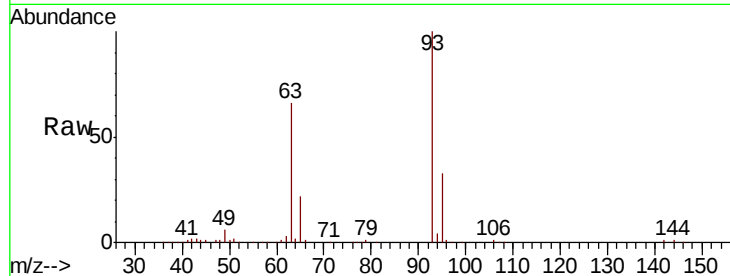
#11
bis(2-Chloroethyl)ether
Concen: 43.242 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	66.2	46.8	86.8
95	33.2	12.7	52.7

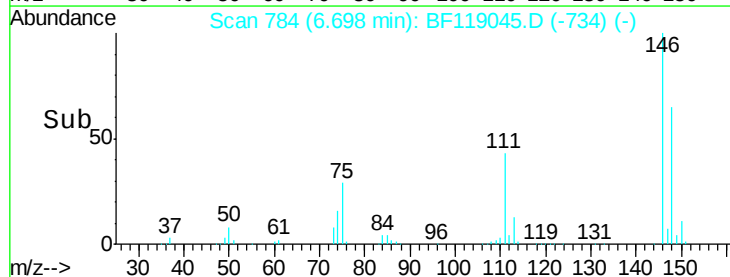
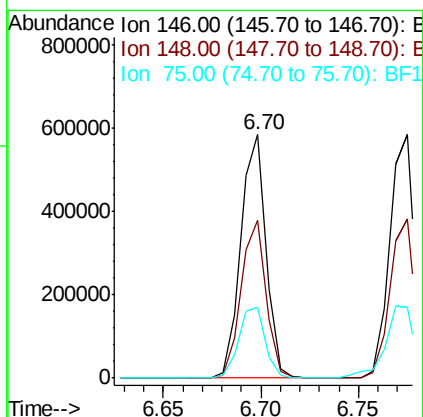
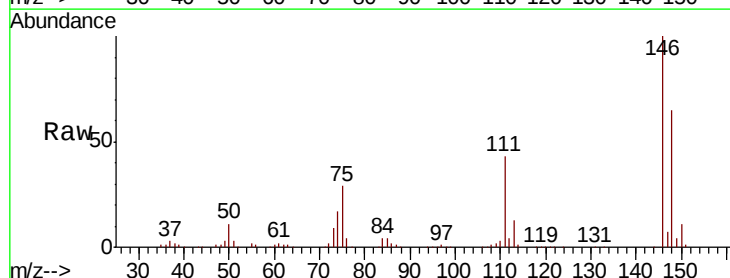
Manual Integrations
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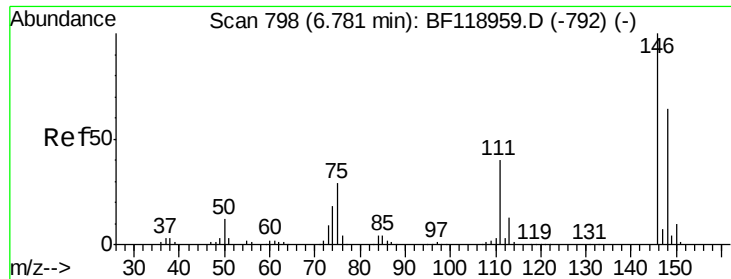
mohammad
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#12
1,3-Dichlorobenzene
Concen: 41.246 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.7	77.5
75	29.2	23.6	35.4





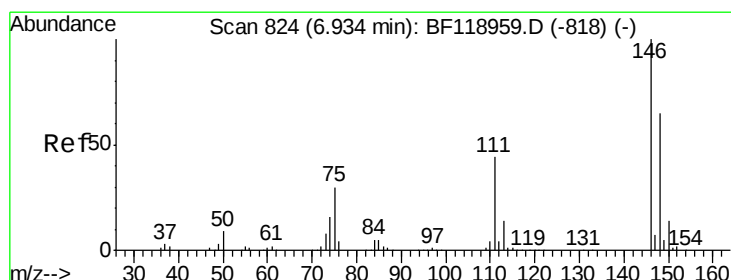
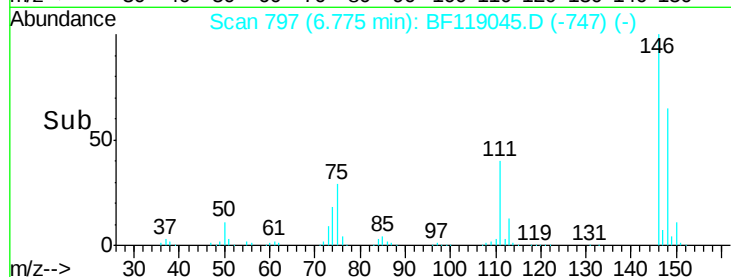
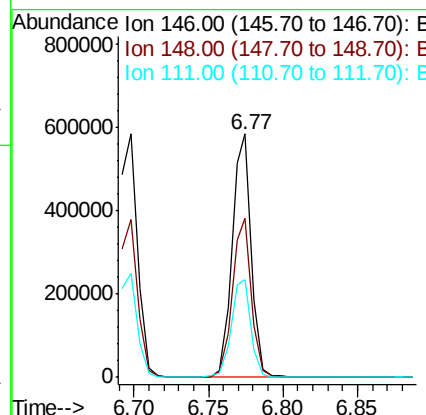
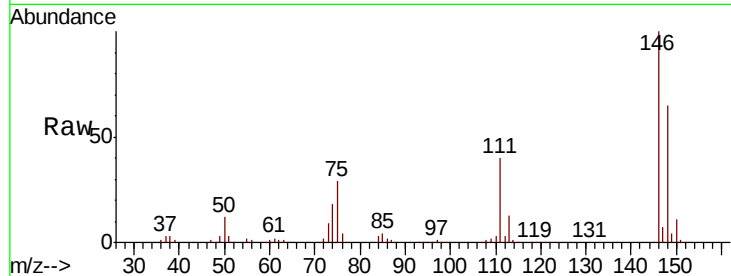
#13
 1,4-Dichlorobenzene
 Concen: 41.641 ng
 RT: 6.77 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.4	77.2
111	40.3	31.9	47.9

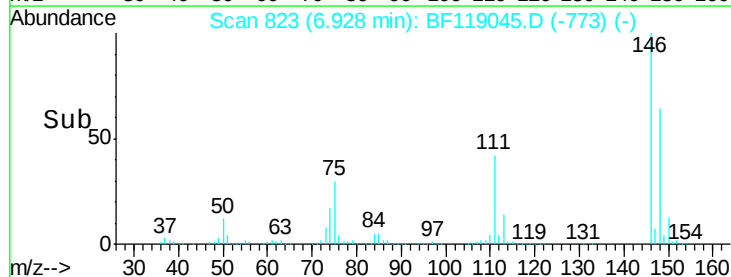
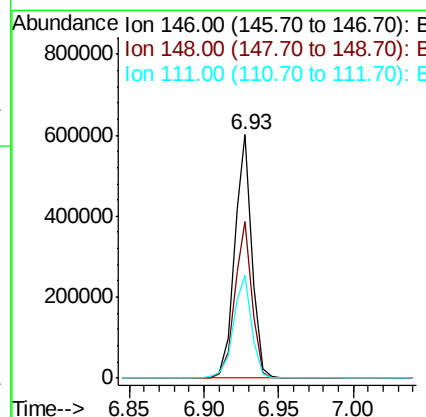
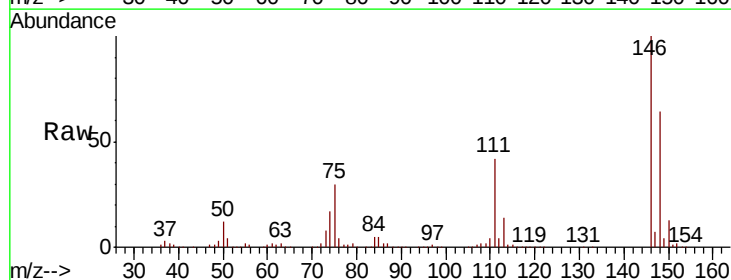
Manual Integrations
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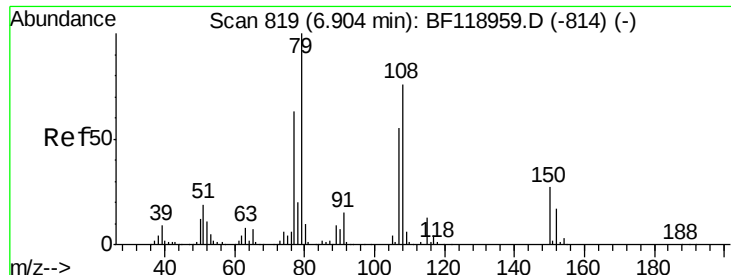
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 42.372 ng
 RT: 6.93 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.1	78.1
111	42.3	35.5	53.3





#15

Benzyl Alcohol

Concen: 45.254 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Instrument :

BNA_F

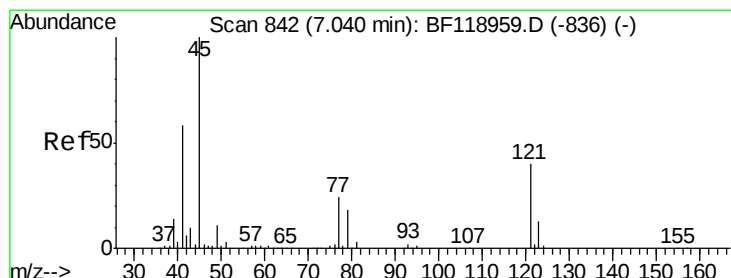
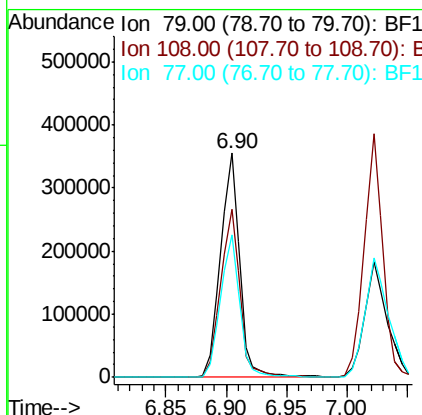
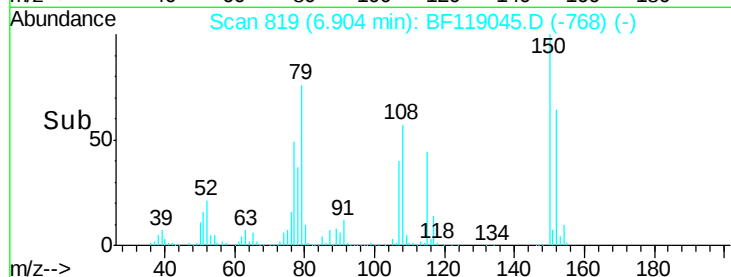
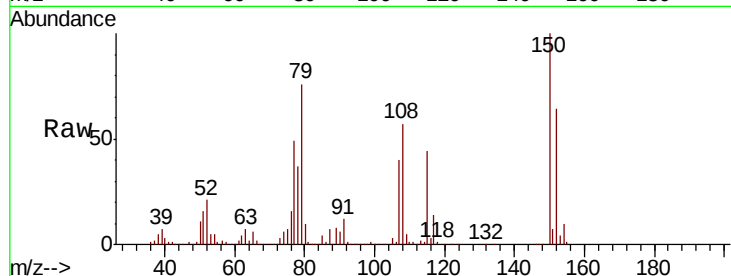
ClientSampleId :

LIED-TS001-01MSD

Tot Ion:	79	Resp:	390005
Ion Ratio	Lower	Upper	
79	100		
108	75.1	61.1	91.7
77	63.8	50.2	75.2

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.017 ng

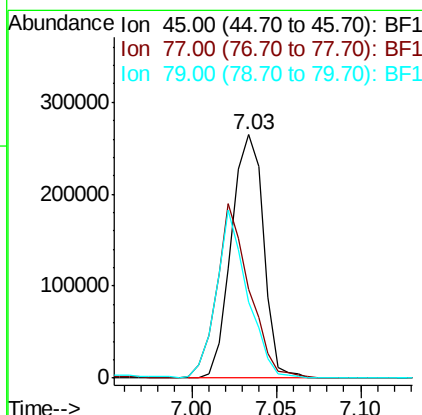
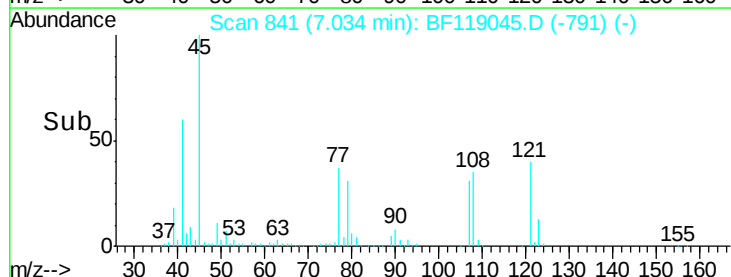
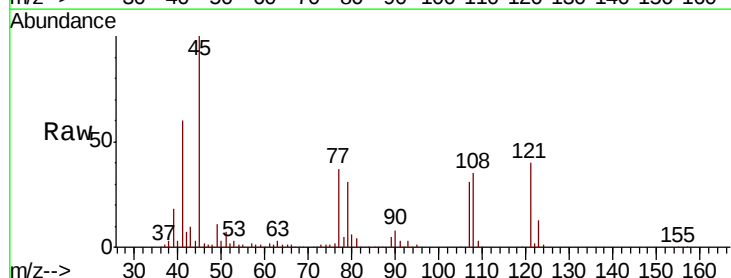
RT: 7.03 min Scan# 841

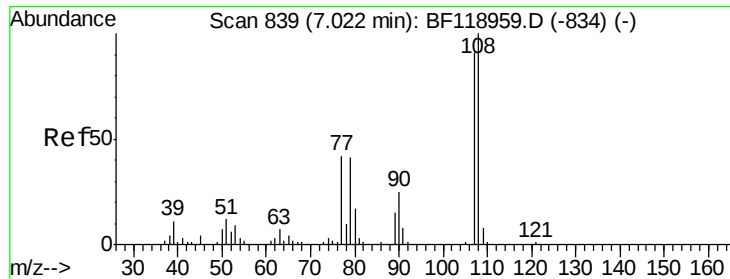
Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Tgt Ion:	45	Resp:	350490
Ion Ratio	Lower	Upper	
45	100		
77	36.7	6.1	46.1
79	31.1	0.5	40.5





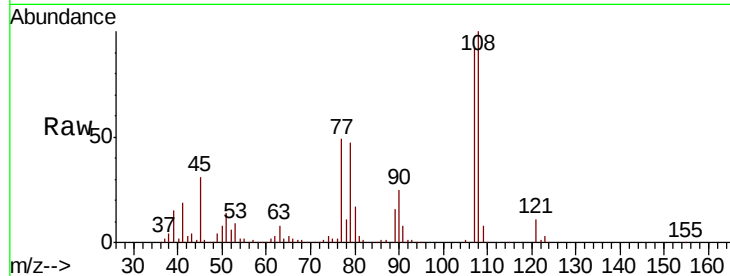
#17
2-Methylphenol
Concen: 43.962 ng
RT: 7.02 min Scan# 839
Delta R.T. -0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	109.2	87.7	377138	131.5	
77	53.8	36.8		55.2	
79	51.7	36.4		54.6	

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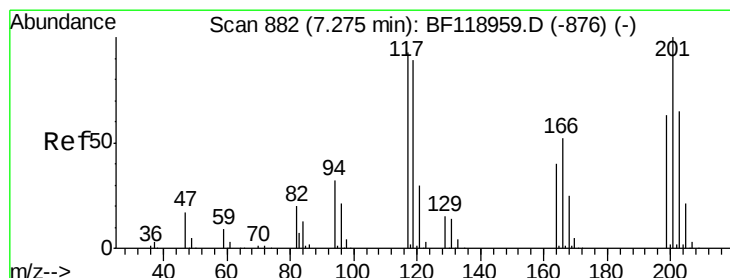
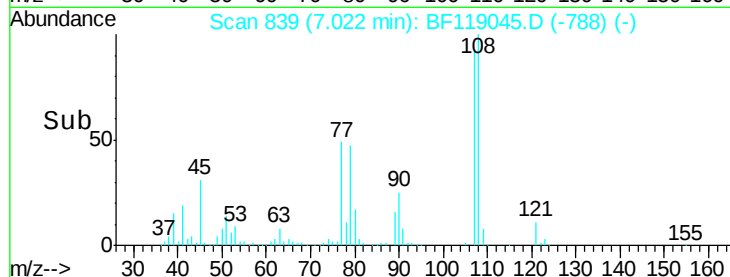
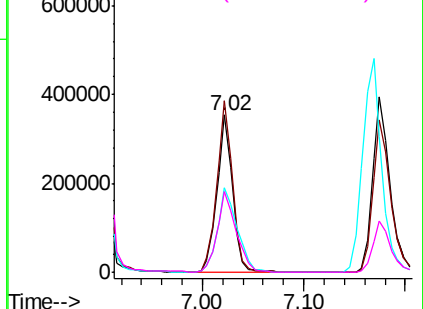
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

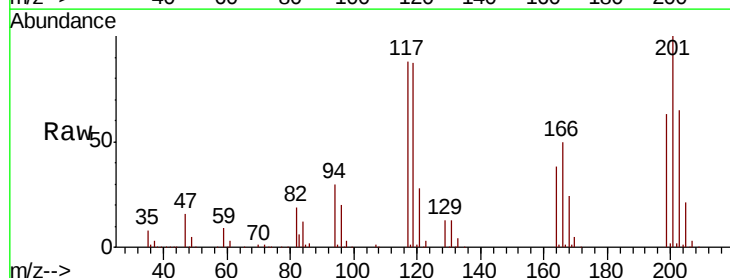
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 41.830 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		189922		
119	98.1	77.0		115.6	
201	113.2	86.4		129.6	

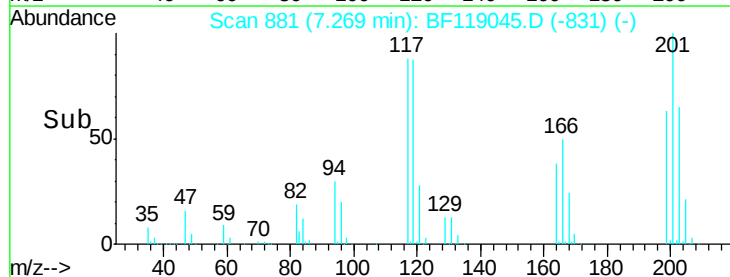
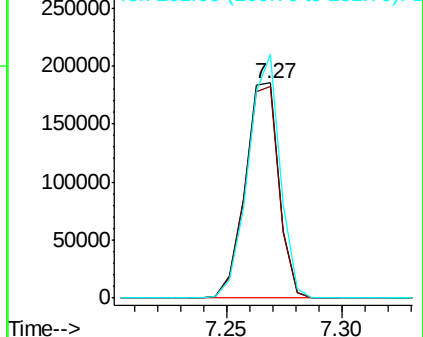


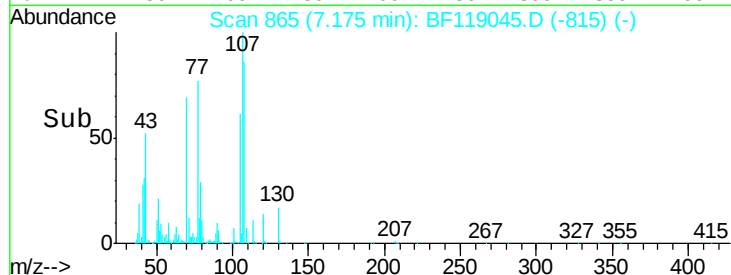
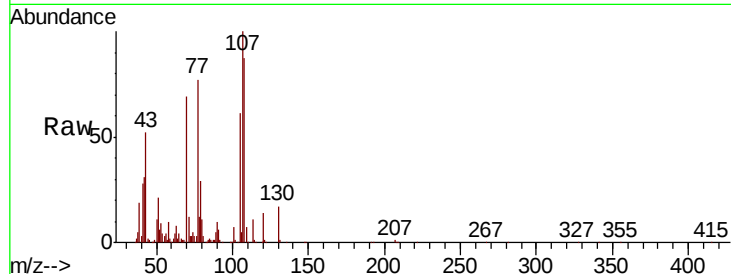
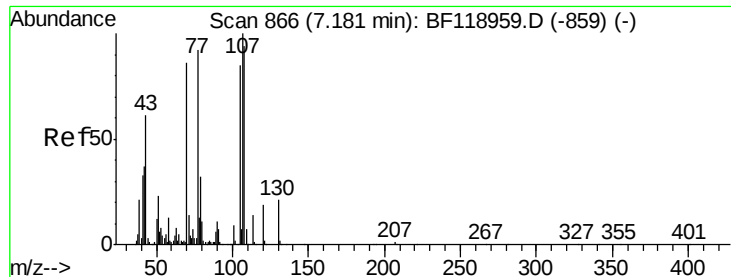
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





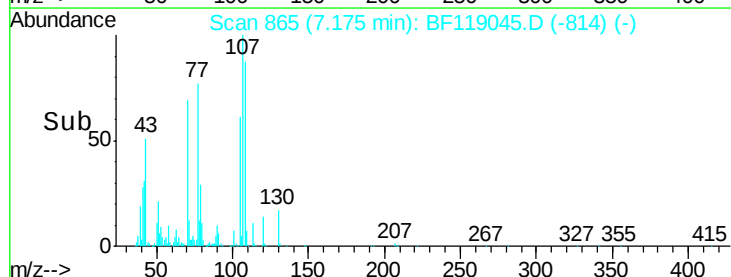
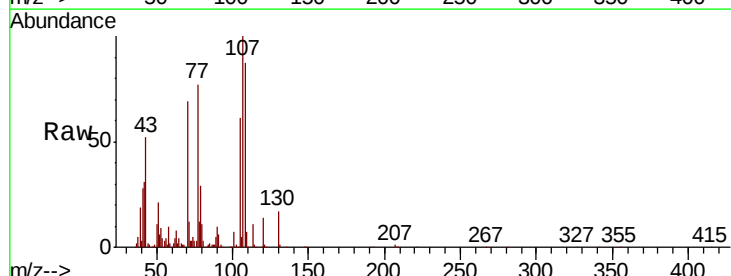
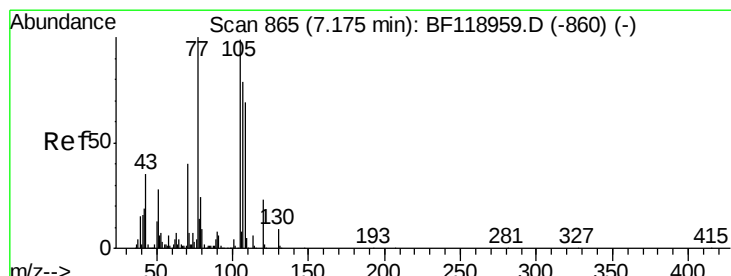
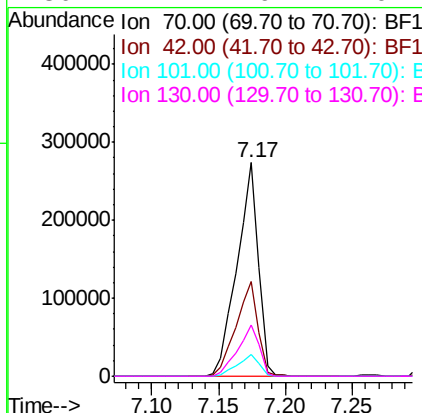
#19
n-Nitroso-di-n-propylamine
Concen: 43.986 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	44.2	34.6	51.8
101	10.3	8.1	12.1
130	24.2	19.4	29.2

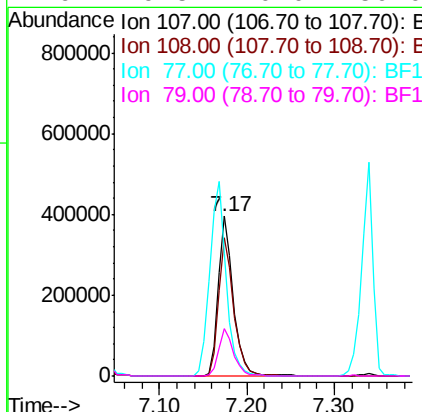
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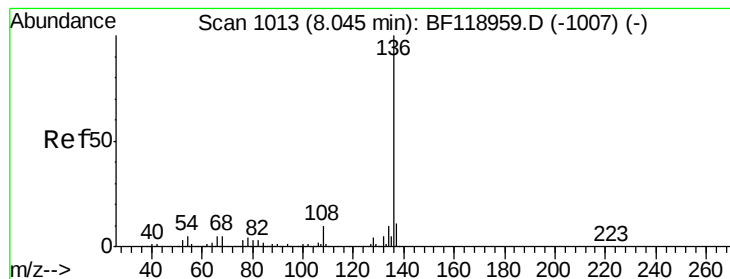
mohammad
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#20
3+4-Methylphenols
Concen: 44.689 ng
RT: 7.17 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.5	67.0	107.0
77	76.9	106.2	146.2#
79	29.5	10.0	50.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Instrument :

BNA_F

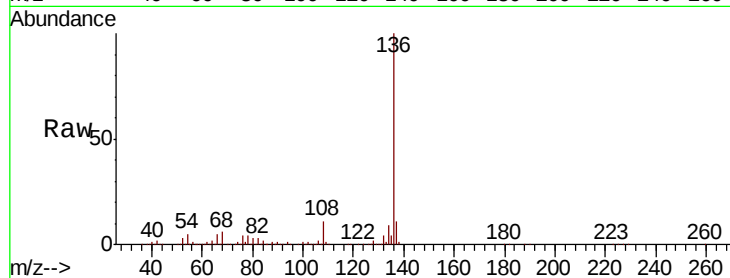
ClientSampleId :

LIED-TS001-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		614238		
137	11.2	8.9	13.3		
54	5.3	3.8	5.6		
68	5.6	4.2	6.2		

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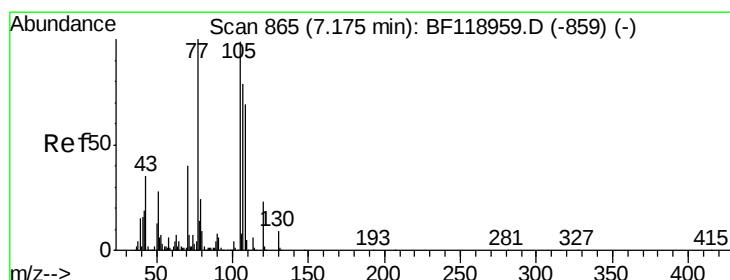
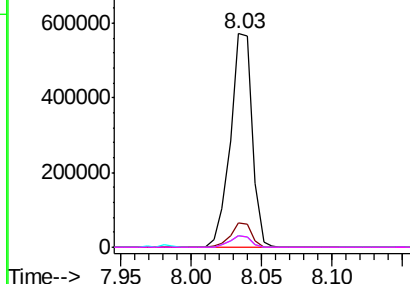
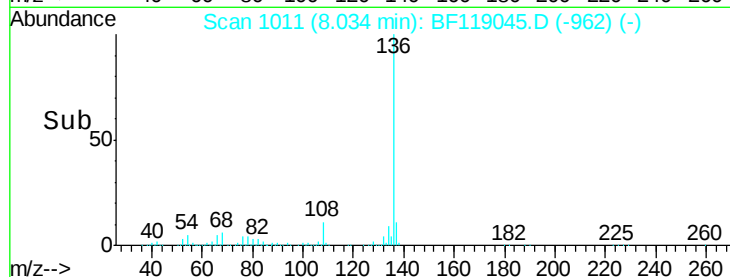


Abundance Ion 136.00 (135.70 to 136.70): E

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: 43.764 ng

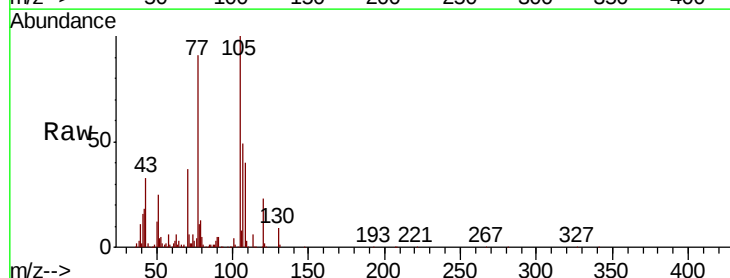
RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		621972		
71	6.5	5.4	8.0		
51	24.9	22.5	33.7		
120	23.0	18.4	27.6		

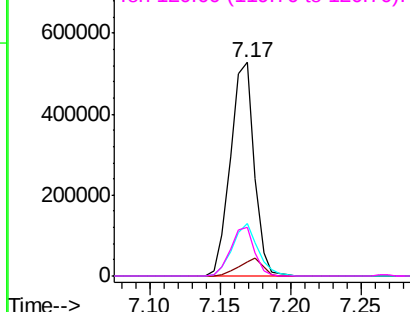
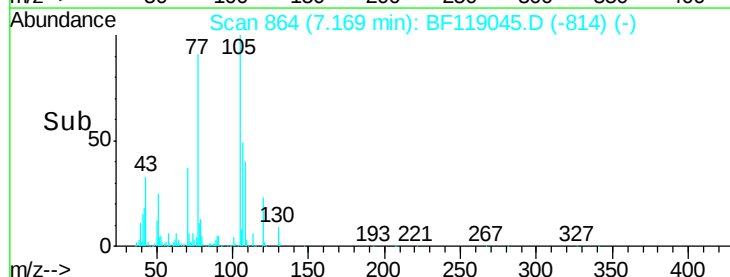


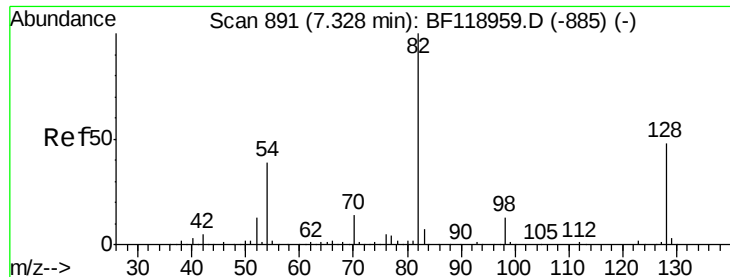
Abundance Ion 105.00 (104.70 to 105.70): E

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





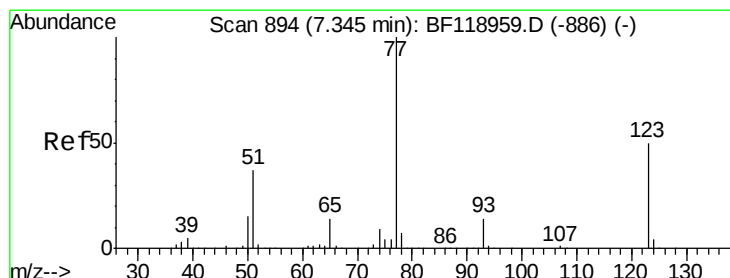
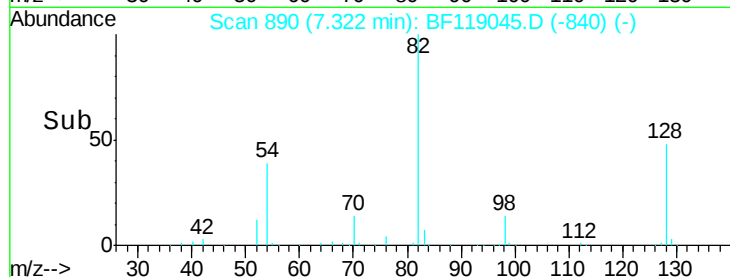
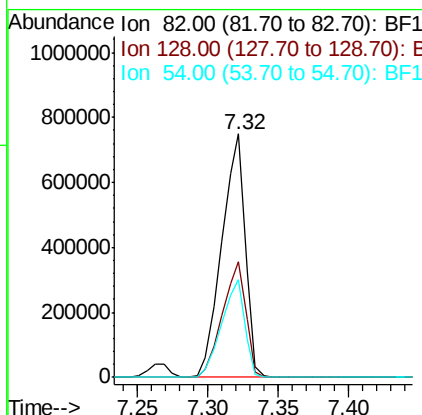
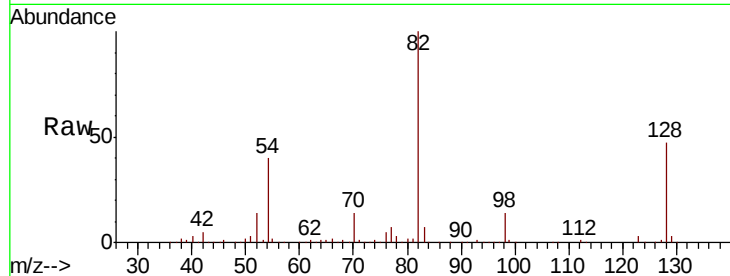
#23
Nitrobenzene-d5
Concen: 74.434 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	38.2	57.2
54	39.9	31.3	46.9

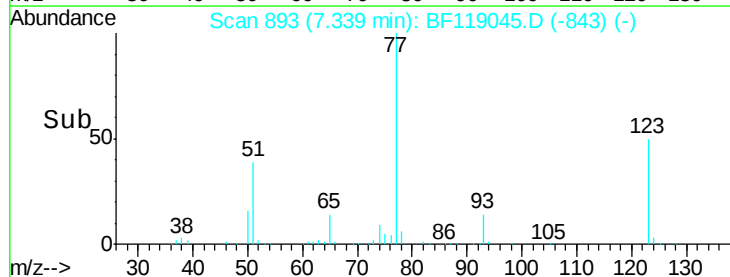
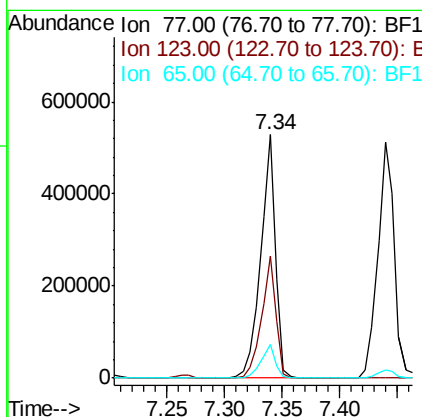
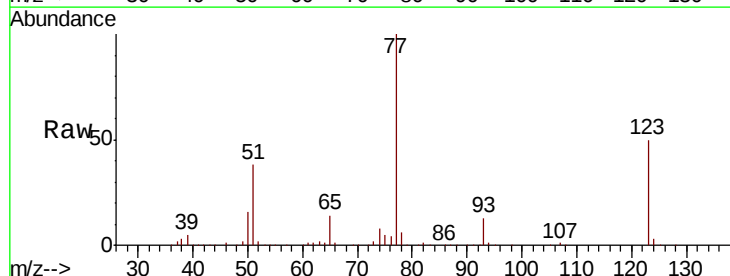
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#24
Nitrobenzene
Concen: 41.316 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.9	40.1	60.1
65	13.6	10.9	16.3





#25

Isophorone

Concen: 42.261 ng

RT: 7.58 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Instrument :

BNA_F

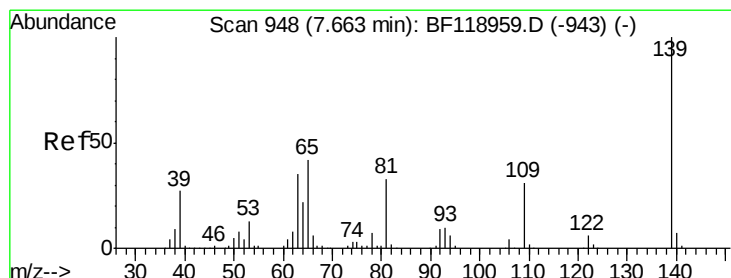
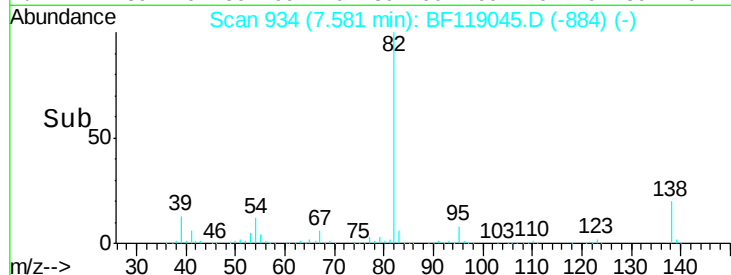
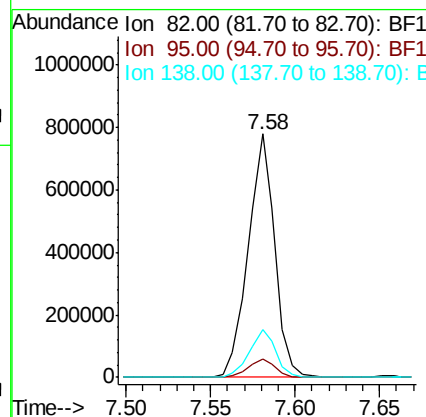
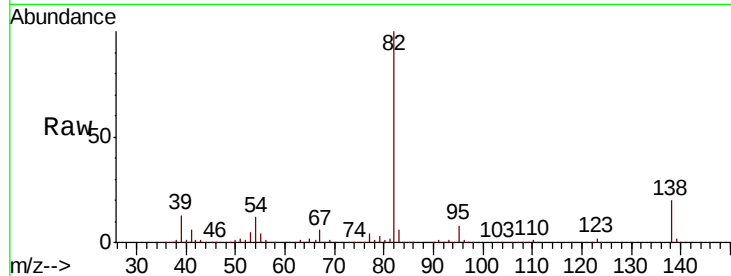
ClientSampleId :

LIED-TS001-01MSD

Tot Ion:	82	Resp:	853817
Ion Ratio	Lower	Upper	
82	100		
95	7.8	6.1	9.1
138	19.9	15.8	23.6

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#26

2-Nitrophenol

Concen: 43.865 ng

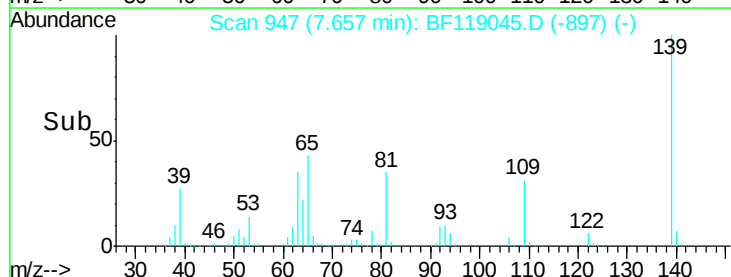
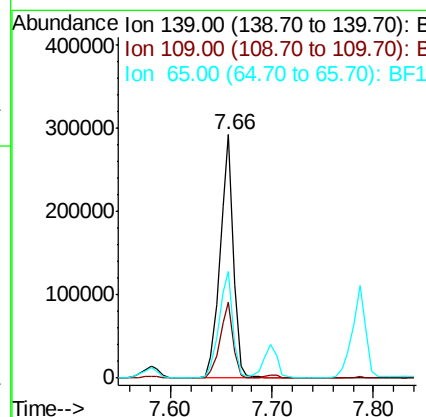
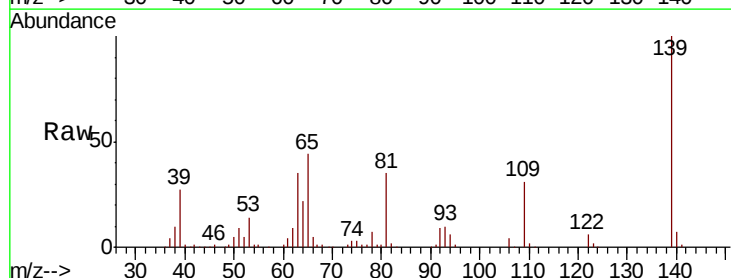
RT: 7.66 min Scan# 947

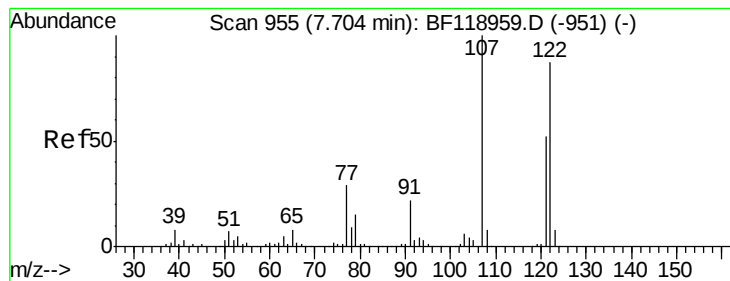
Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Tgt Ion:	139	Resp:	267376
Ion Ratio	Lower	Upper	
139	100		
109	31.0	24.6	36.8
65	43.6	33.6	50.4





#27

2,4-Dimethylphenol

Concen: 46.595 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Instrument :

BNA_F

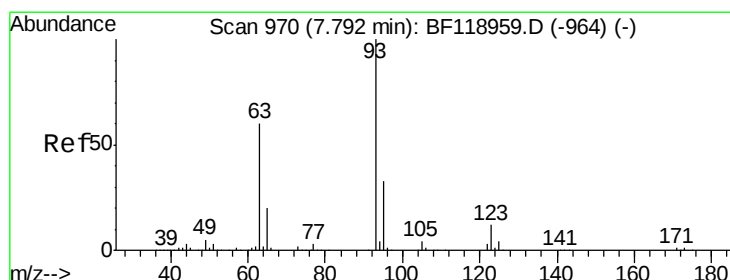
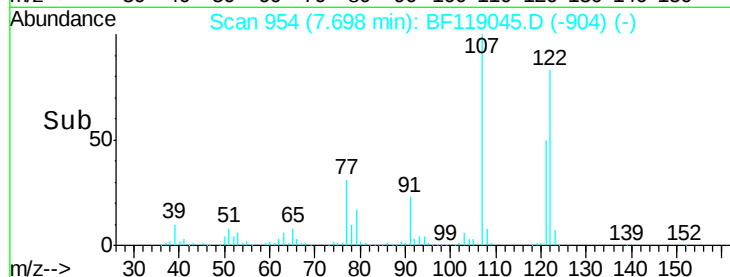
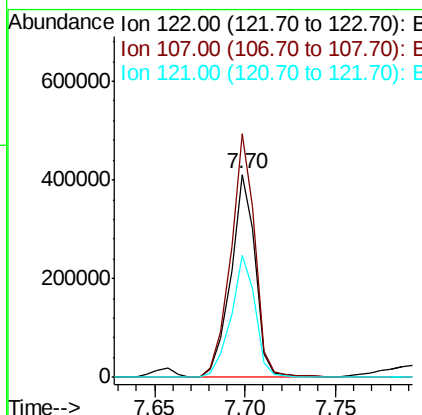
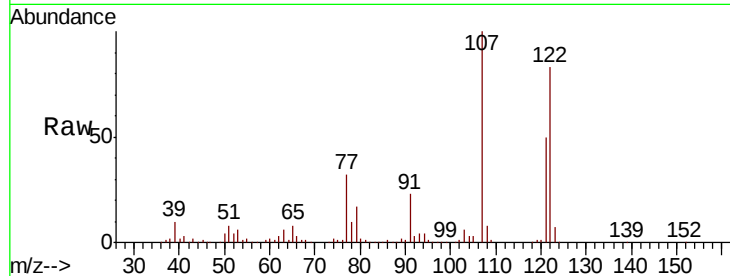
ClientSampleId :

LIED-TS001-01MSD

Tot Ion:	122	Resp:	385459
Ion Ratio	Lower	Upper	
122	100		
107	119.9	91.8	137.8
121	60.3	47.4	71.0

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#28

bis(2-Chloroethoxy)methane

Concen: 40.559 ng

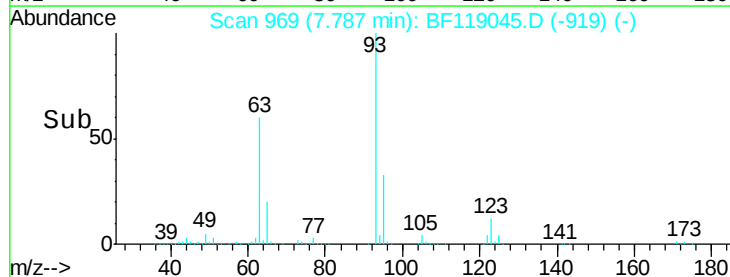
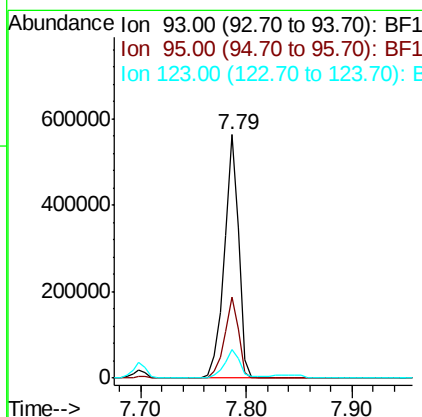
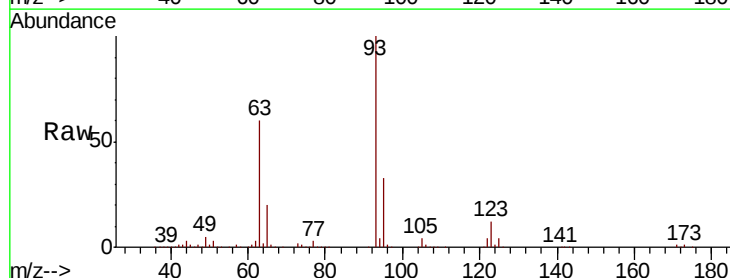
RT: 7.79 min Scan# 969

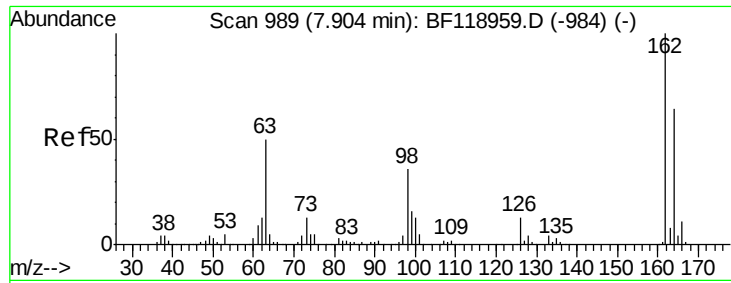
Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Tgt Ion:	93	Resp:	533374
Ion Ratio	Lower	Upper	
93	100		
95	33.3	26.3	39.5
123	12.0	9.8	14.8





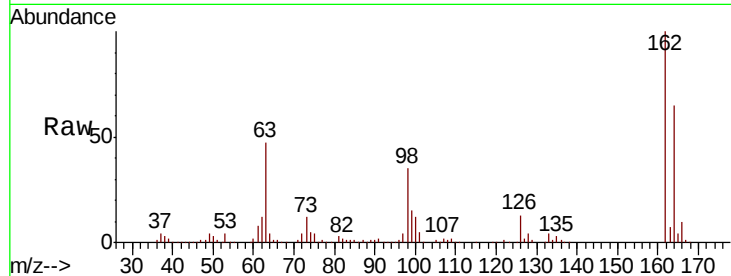
#29
2,4-Dichlorophenol
Concen: 41.703 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.1	84.1
98	35.4	16.4	56.4

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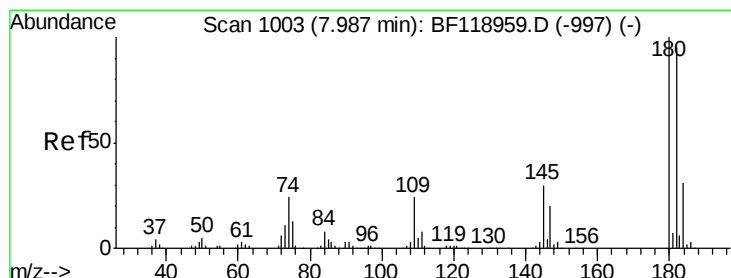
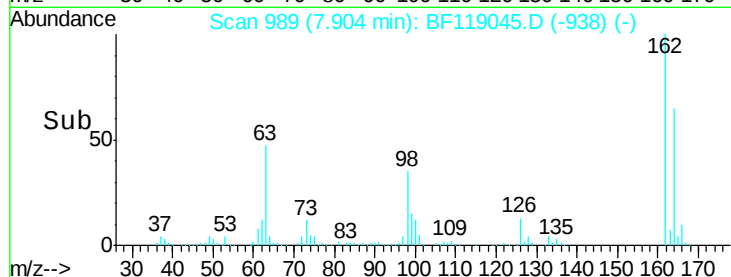
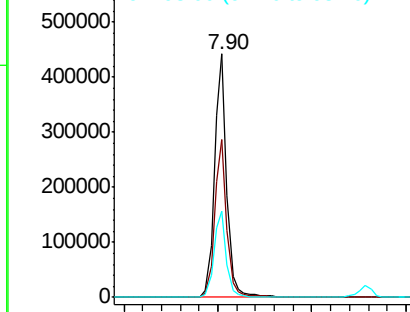


Abundance

Ion 162.00 (161.70 to 162.70): E

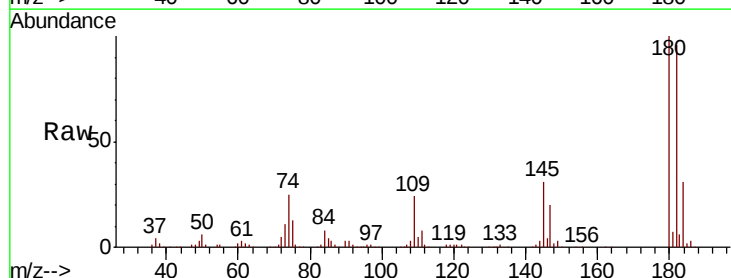
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 40.101 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.8	113.8
145	30.6	24.2	36.2

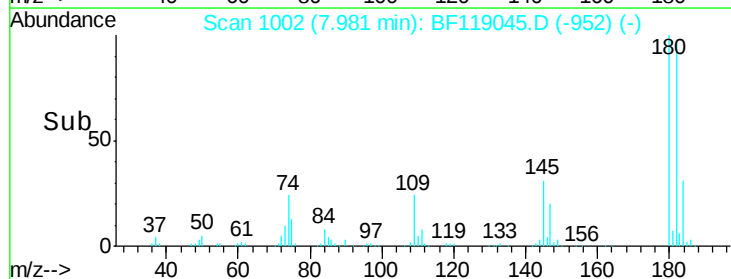
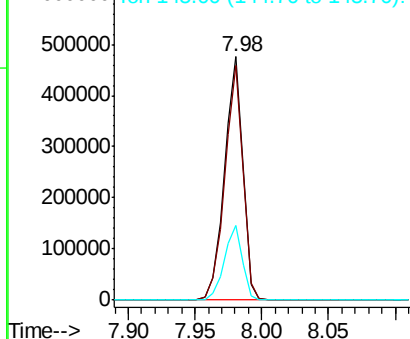


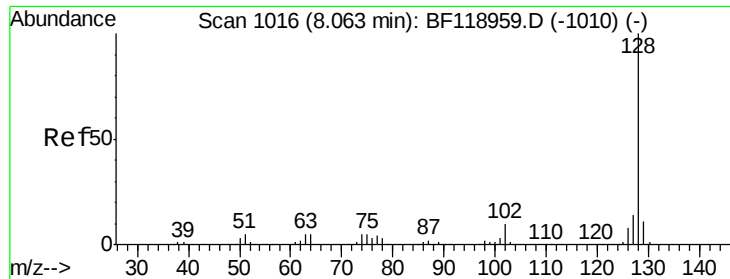
Abundance

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





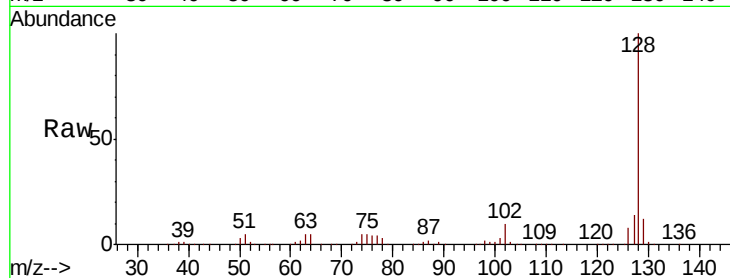
#31
Naphthalene
Concen: 41.867 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.4
127	14.0	10.9	16.3

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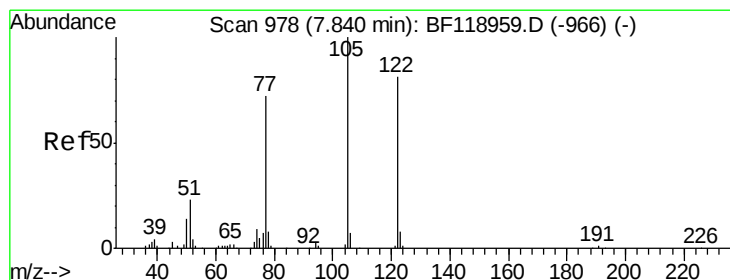
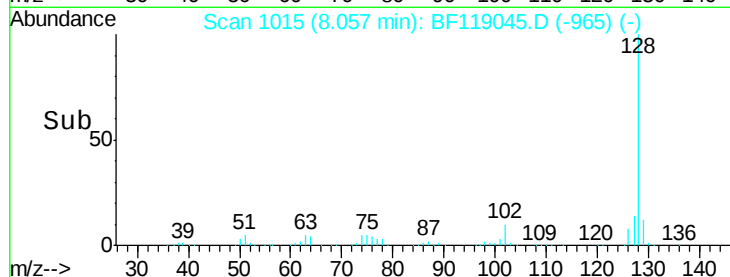
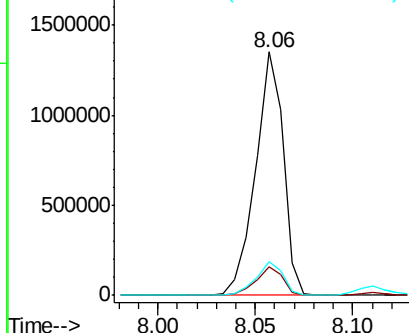


Abundance

Ion 128.00 (127.70 to 128.70): E

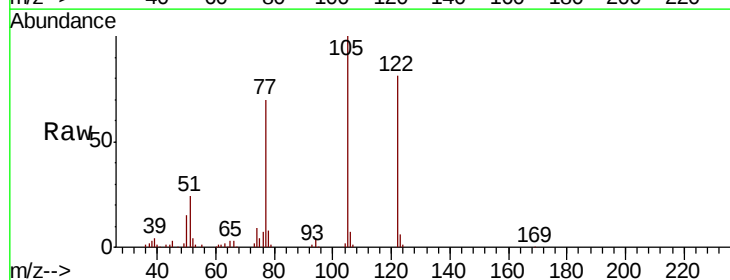
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 44.378 ng
RT: 7.85 min Scan# 980
Delta R.T. 0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
122	100		
105	123.5	102.2	142.2
77	86.4	68.6	108.6

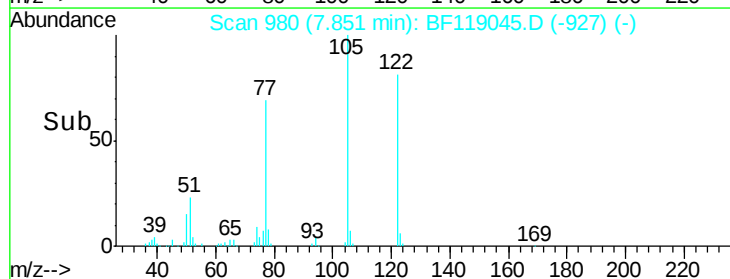
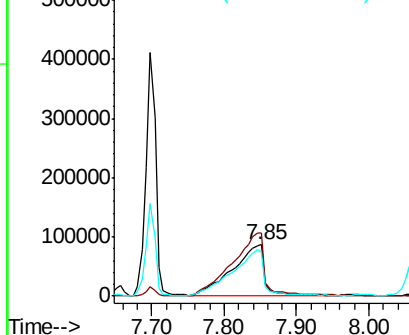


Abundance

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





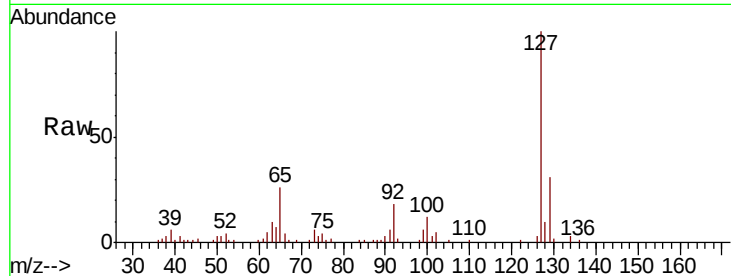
#33
4-Chloroaniline
Concen: 4.680 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100	64116		
129	30.7	26.2	39.2	
65	25.8	22.0	33.0	
92	17.5	15.5	23.3	

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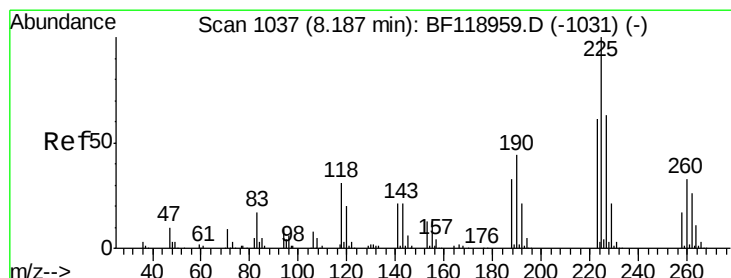
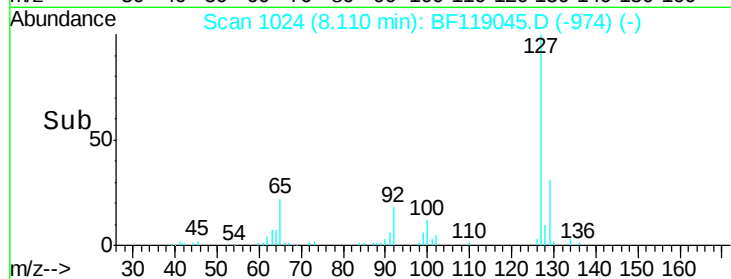
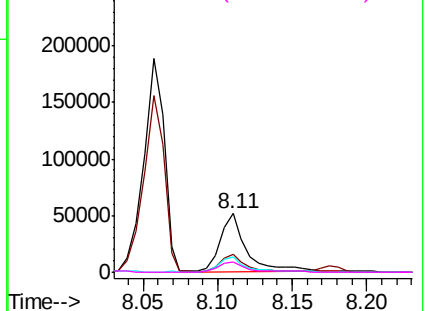
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 39.245 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

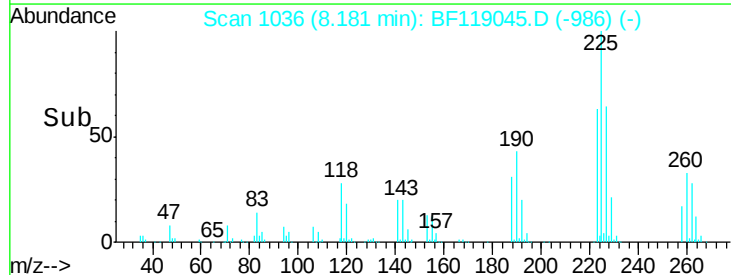
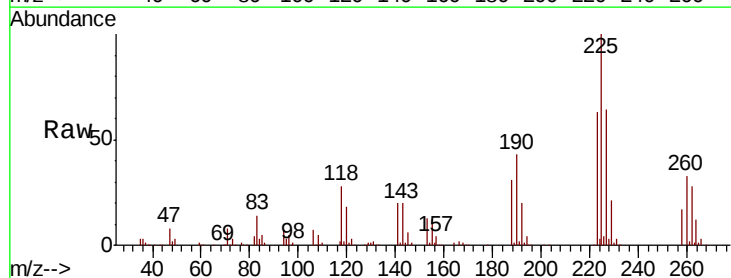
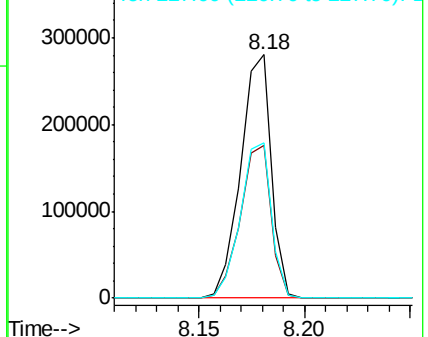
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	282271		
223	62.6	48.9	73.3	
227	63.9	50.4	75.6	

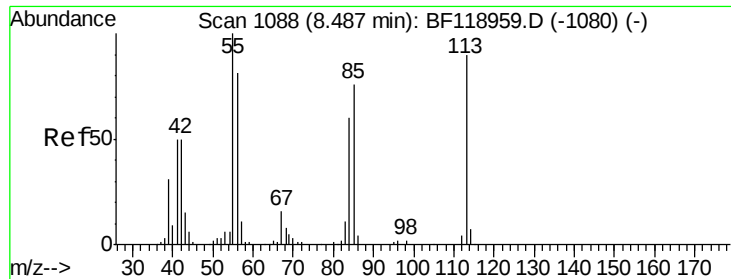
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





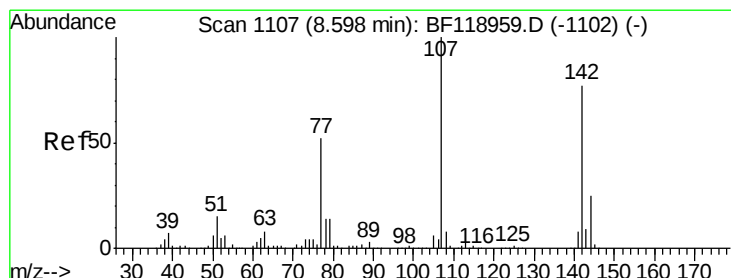
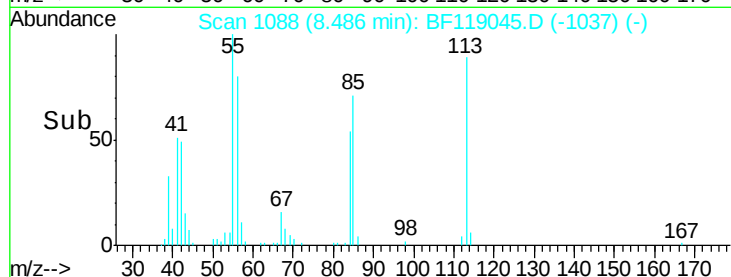
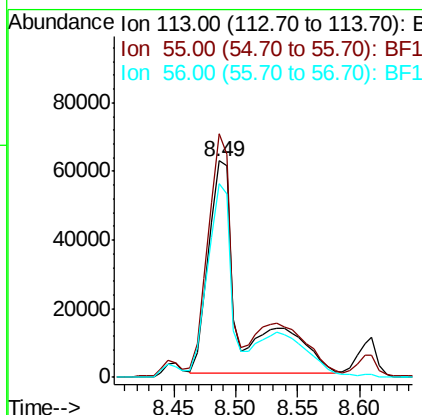
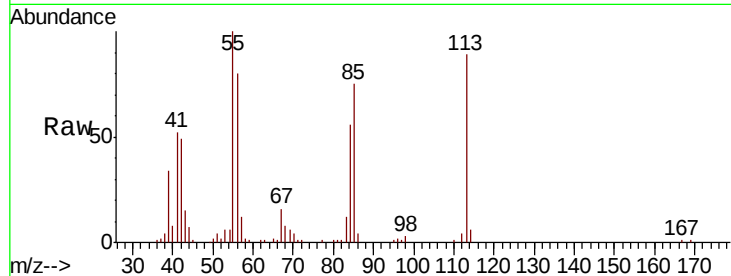
#35
 Caprolactam
 Concen: 38.441 ng/ml
 RT: 8.49 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	112.4	90.8	130.8
56	89.5	70.0	110.0

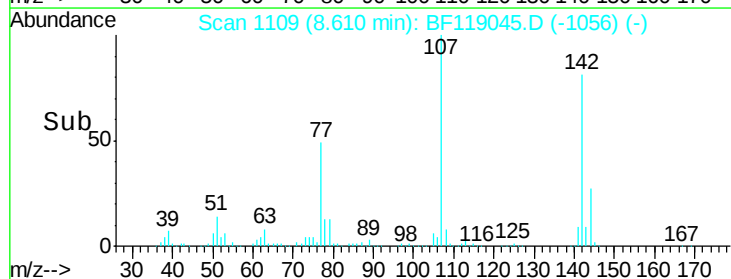
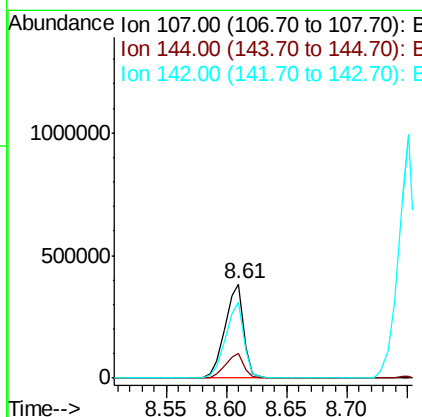
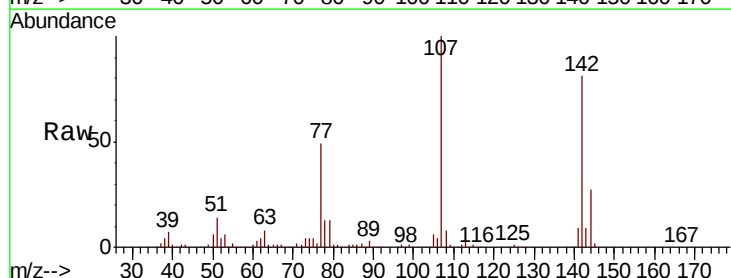
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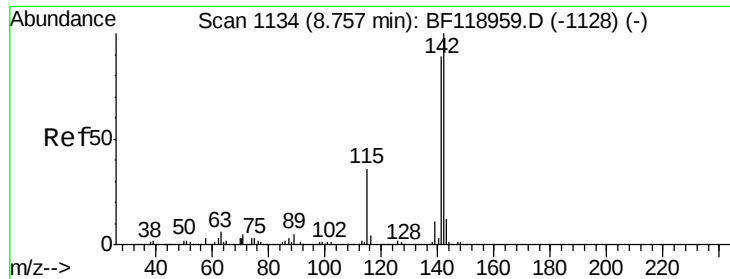
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#36
 4-Chloro-3-methylphenol
 Concen: 41.829 ng/ml
 RT: 8.61 min Scan# 1109
 Delta R.T. 0.01 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.8	19.8	29.8
142	80.9	61.3	91.9





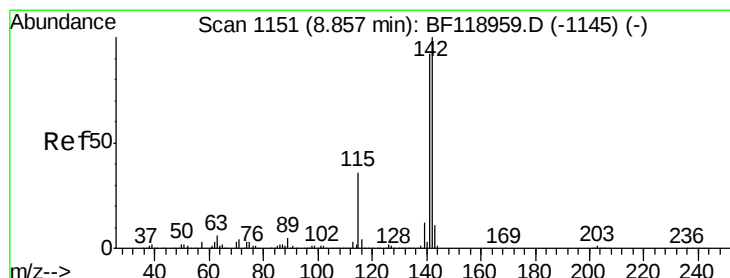
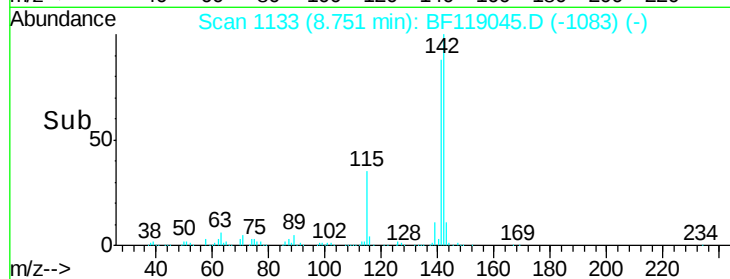
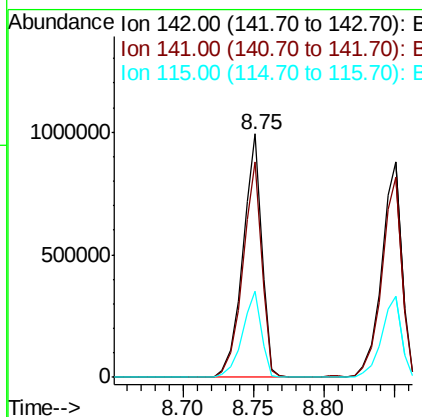
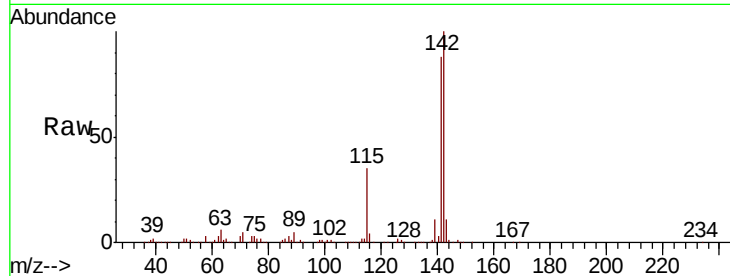
#37
2-Methylnaphthalene
Concen: 42.996 ng
RT: 8.75 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.0	106.4
115	35.5	28.6	42.8

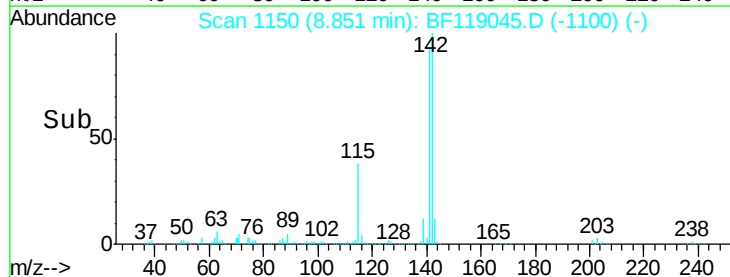
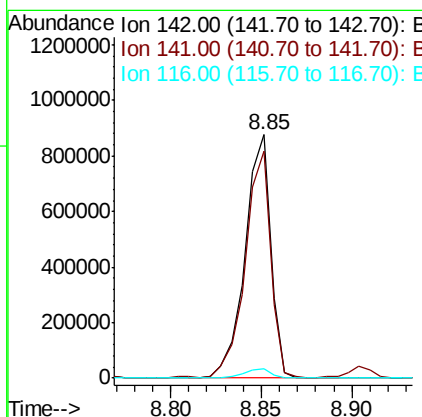
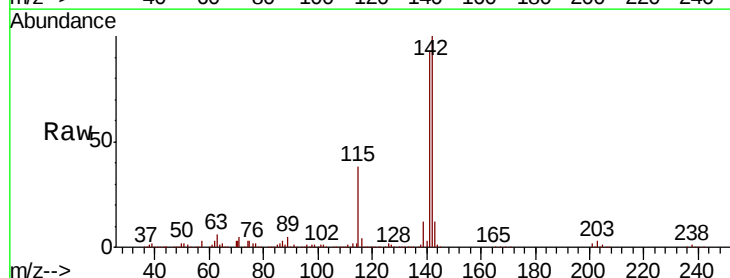
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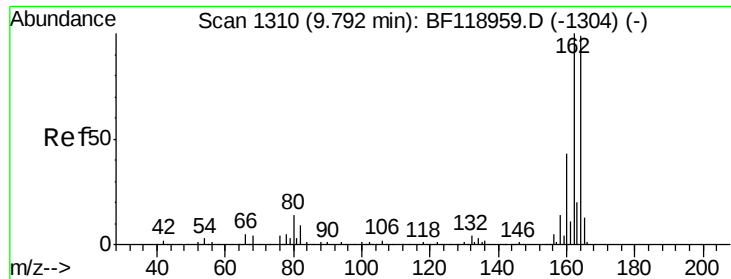
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#38
1-Methylnaphthalene
Concen: 42.710 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.3	73.7	110.5
116	3.9	3.0	4.6





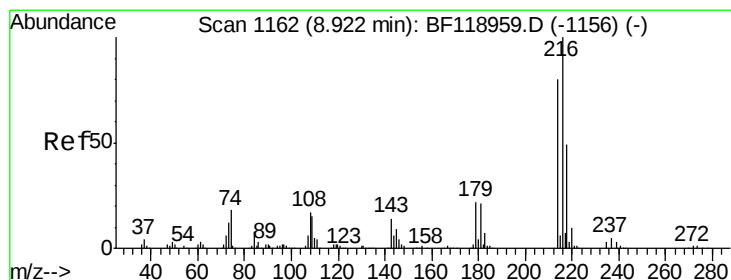
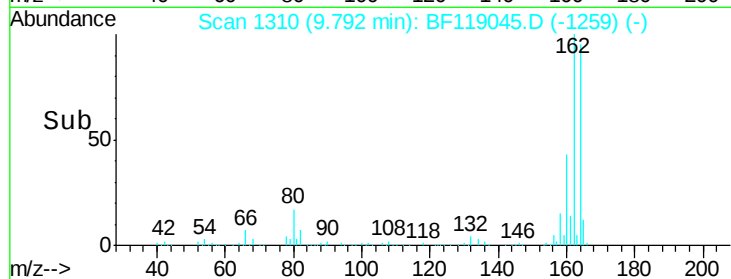
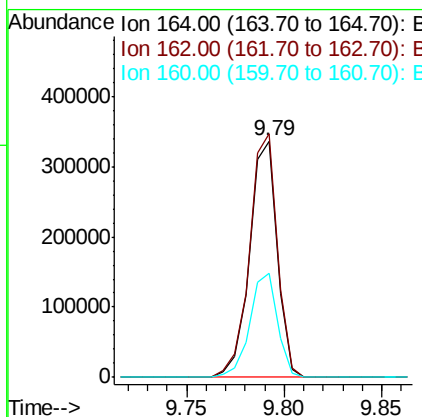
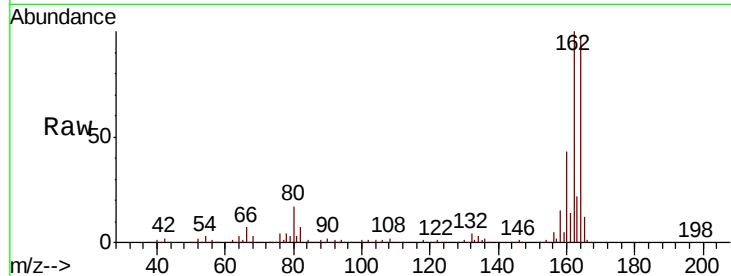
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.00 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.2	121.8
160	44.2	35.2	52.8

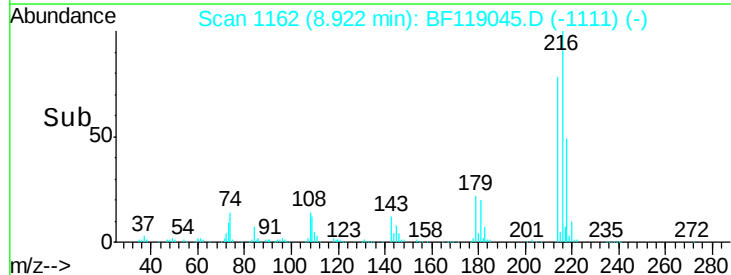
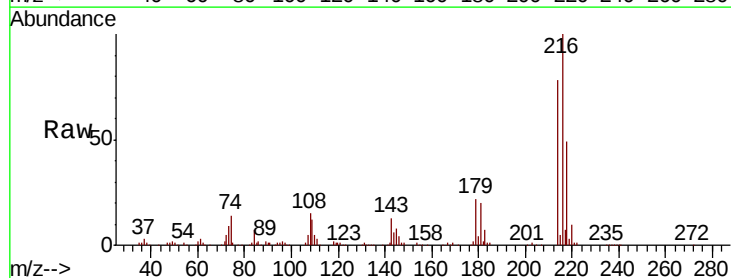
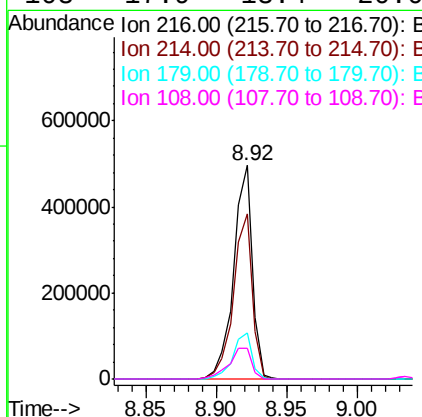
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#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.294 ng
 RT: 8.92 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.1	94.7
179	21.6	17.2	25.8
108	17.9	13.4	20.0





#41

Hexachlorocyclopentadiene

Concen: 73.905 ng

RT: 8.90 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Instrument :

BNA_F

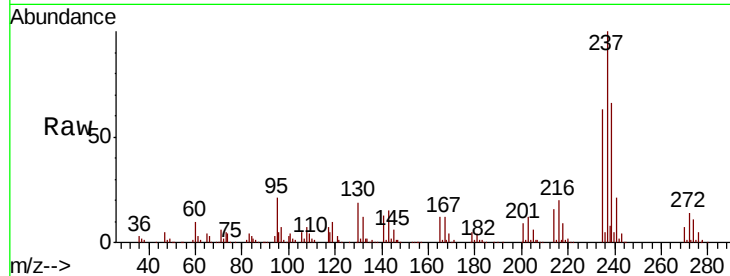
ClientSampleId :

LIED-TS001-01MSD

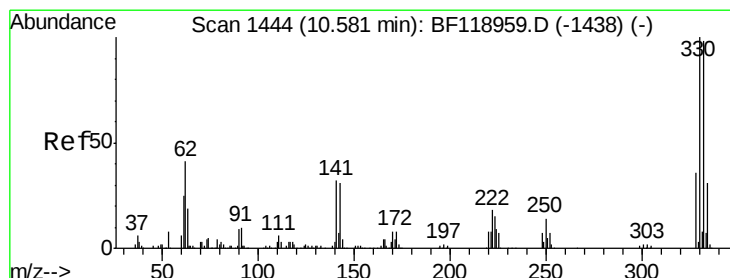
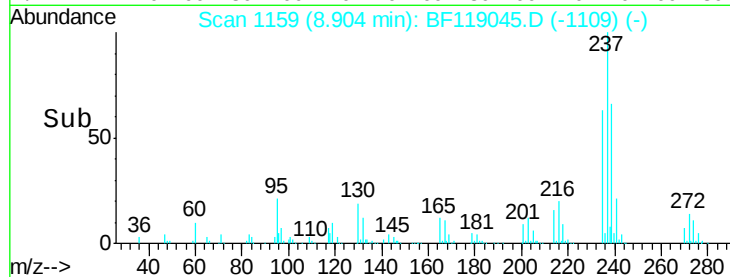
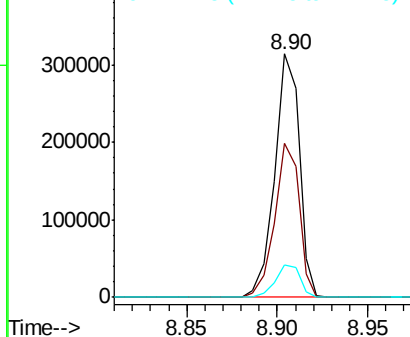
Tot Ion:	237	Resp:	296183
Ion Ratio	Lower	Upper	
237	100		
235	63.4	39.4	79.4
272	13.6	0.0	32.6

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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: 104.356 ng

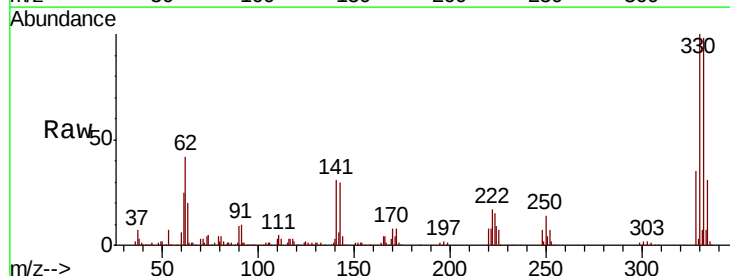
RT: 10.58 min Scan# 1444

Delta R.T. -0.00 min

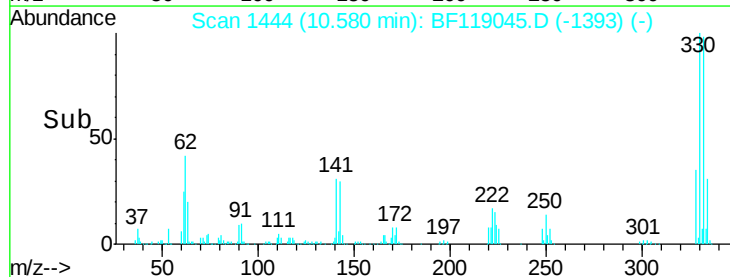
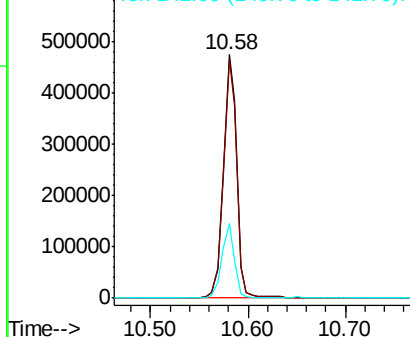
Lab File: BF119045.D

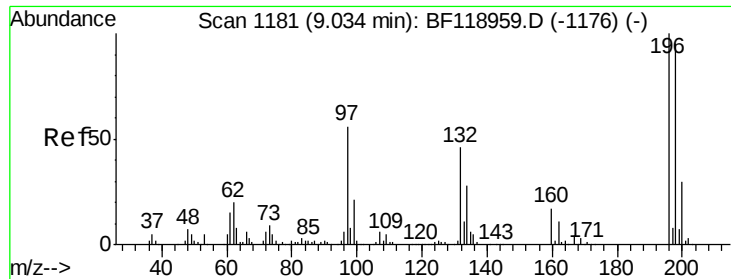
Acq: 25 Feb 2020 2:52

Tgt Ion:	330	Resp:	450739
Ion Ratio	Lower	Upper	
330	100		
332	97.6	77.1	115.7
141	28.9	23.0	34.6



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





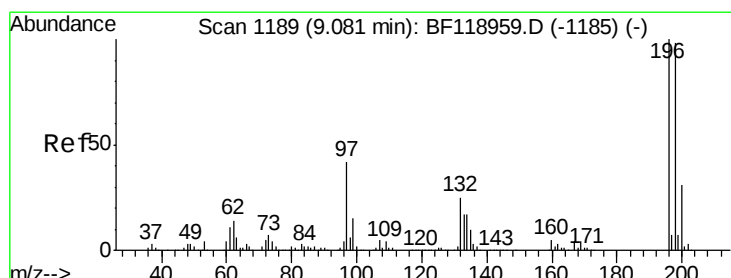
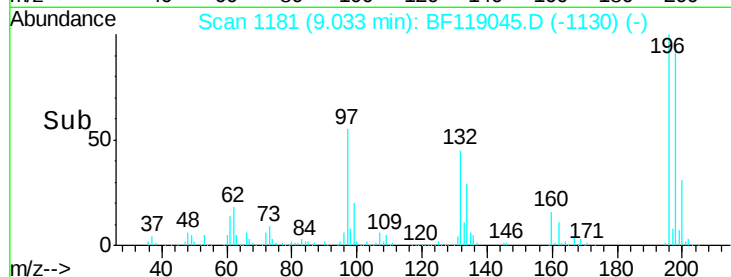
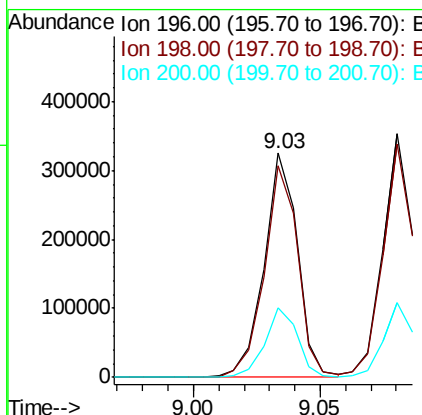
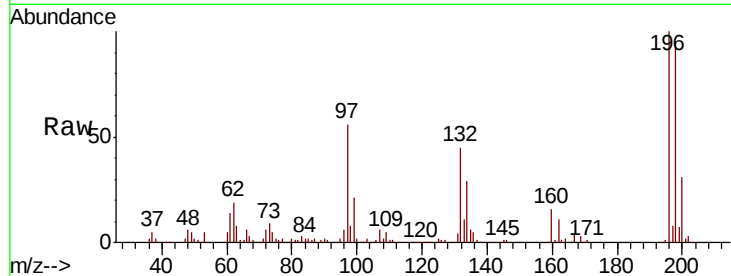
#43
2,4,6-Trichlorophenol
Concen: 42.286 ng
RT: 9.03 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	297268		
198	94.7	75.8	113.6	
200	30.9	24.1	36.1	

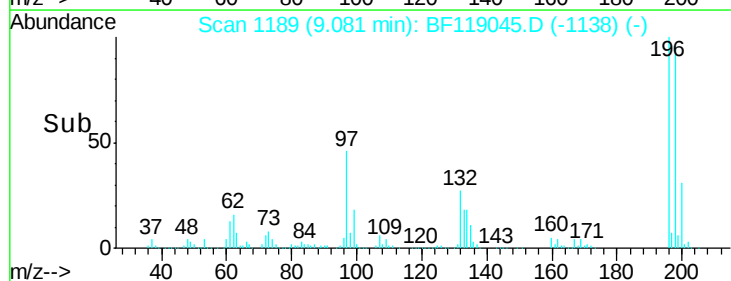
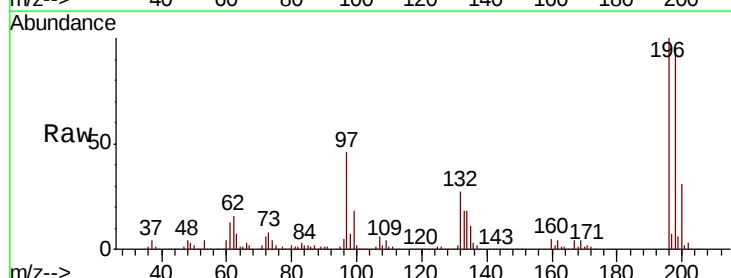
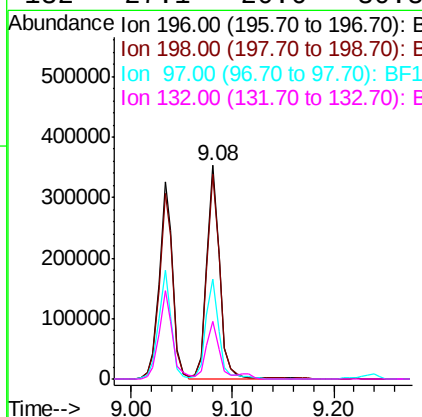
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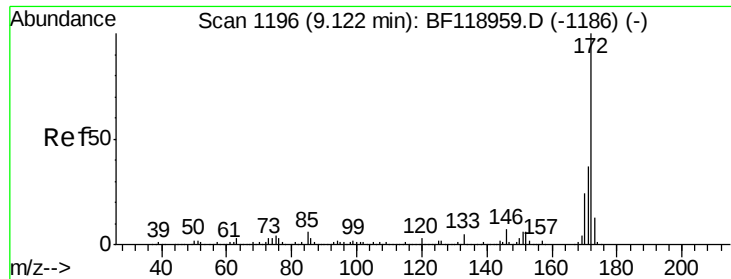
mohammad
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#44
2,4,5-Trichlorophenol
Concen: 42.118 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	310697		
198	95.8	78.4	117.6	
97	46.5	33.4	50.0	
132	27.1	20.6	30.8	





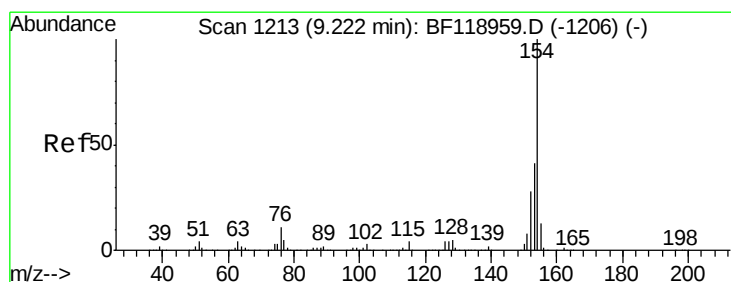
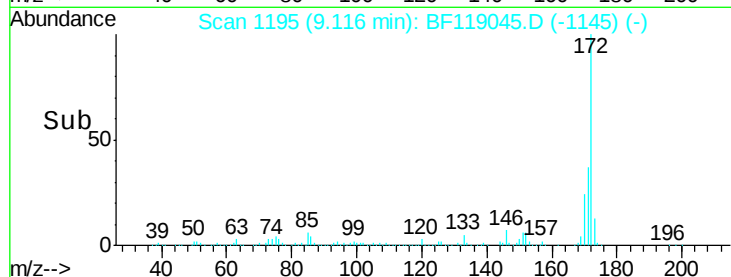
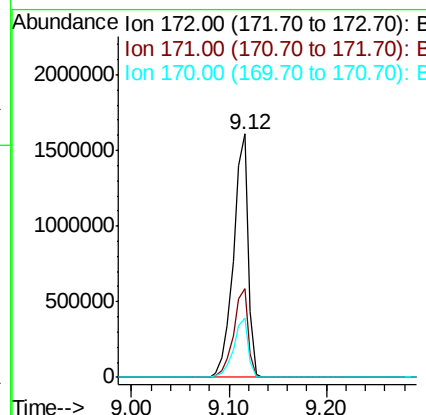
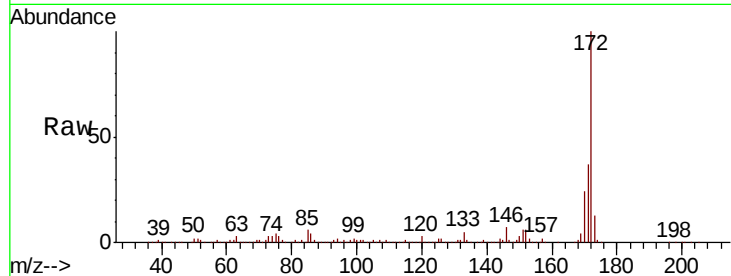
#45
2-Fluorobiphenyl
Concen: 74.685 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.2
170	24.2	19.6	29.4

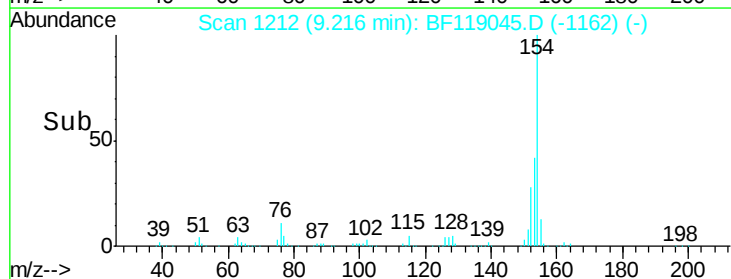
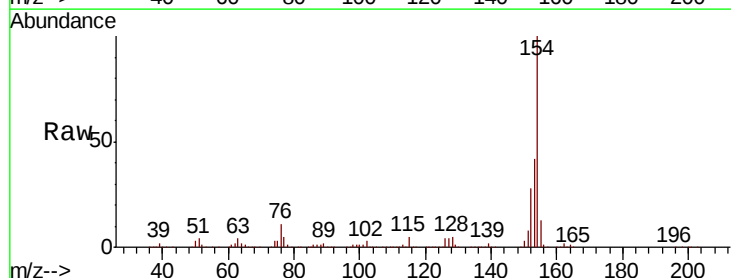
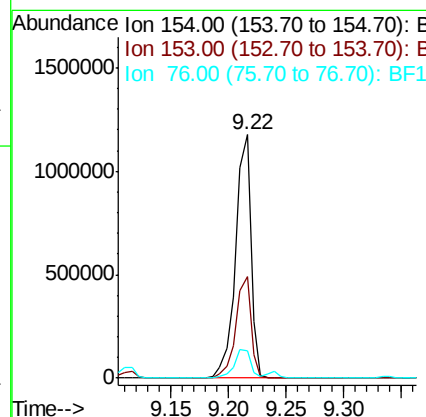
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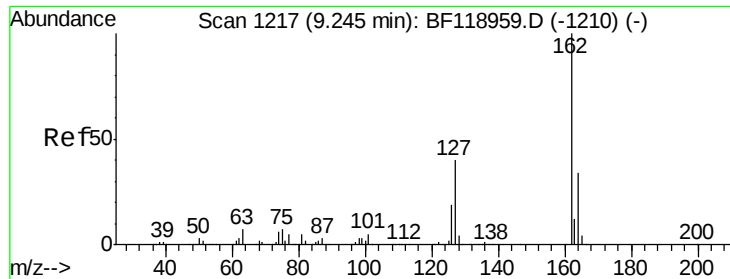
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#46
1,1'-Biphenyl
Concen: 40.920 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.7	21.2	61.2
76	11.0	0.0	31.1





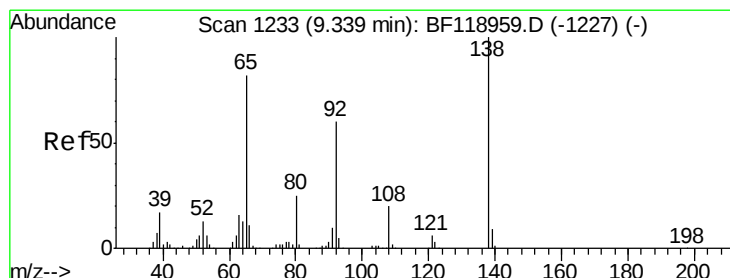
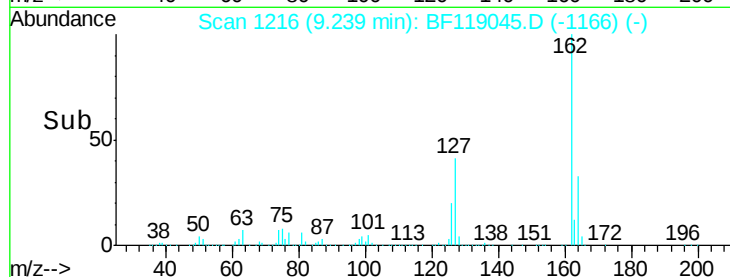
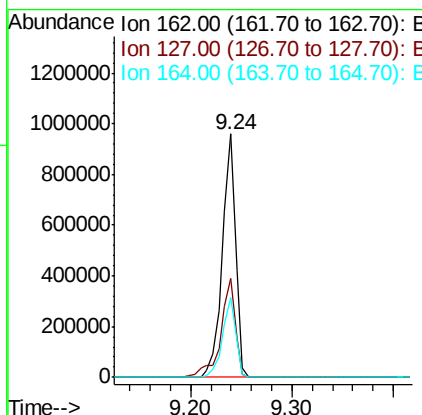
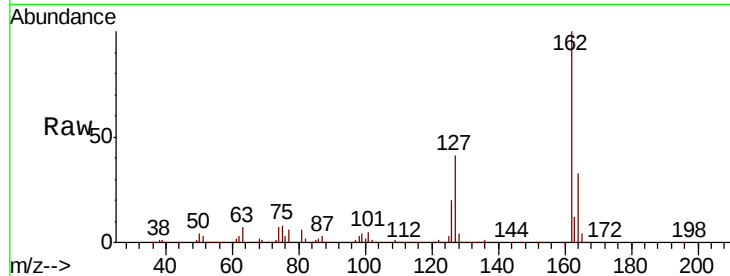
#47
2-Chloronaphthalene
Concen: 40.551 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	872006		
127	40.9		31.9	47.9
164	32.9		26.8	40.2

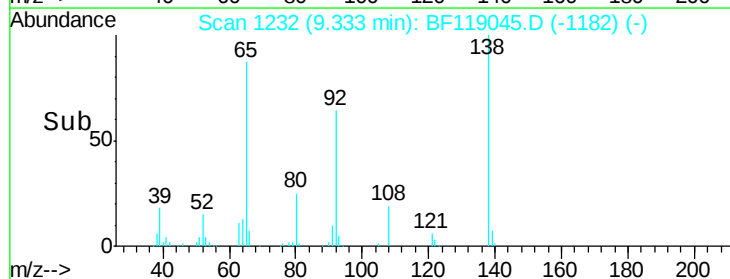
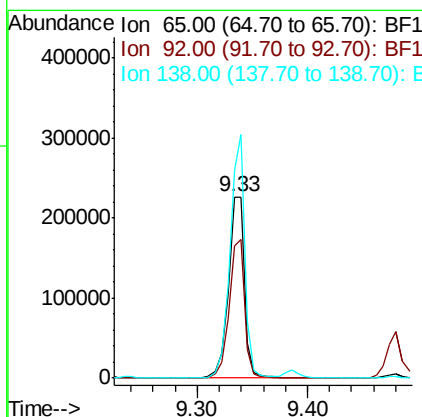
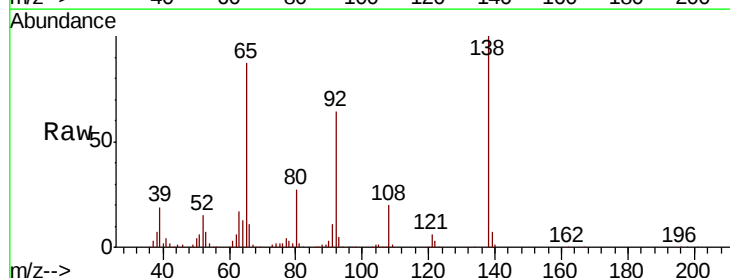
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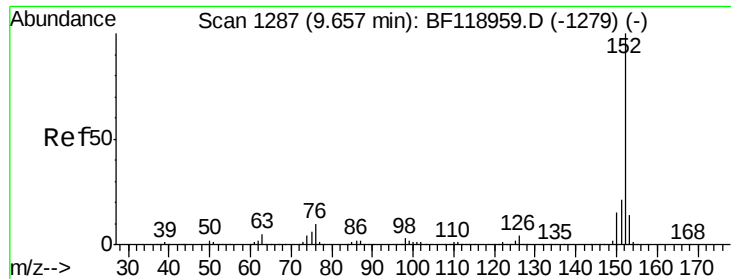
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#48
2-Nitroaniline
Concen: 39.047 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	234197		
92	72.9		58.6	87.8
138	114.3		97.5	146.3





#49

Acenaphthylene

Concen: 42.929 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Instrument :

BNA_F

ClientSampleId :

LIED-TS001-01MSD

Tot Ion:152 Resp: 1333282

Ion Ratio Lower Upper

152 100

151 20.6 16.7 25.1

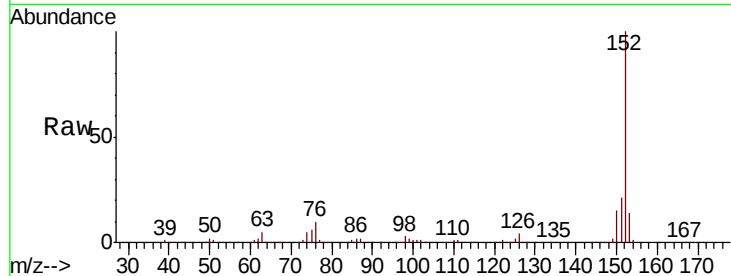
153 13.6 10.9 16.3

Manual Integrations

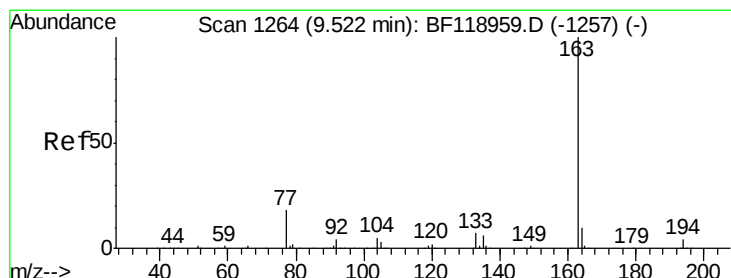
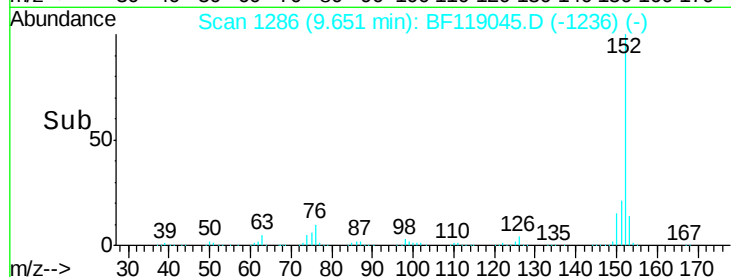
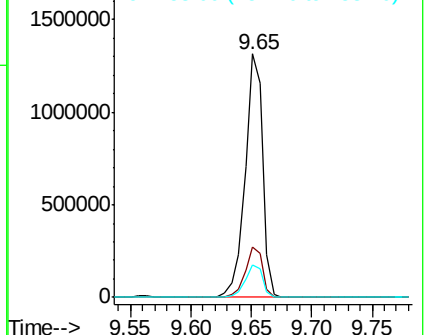
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 46.076 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

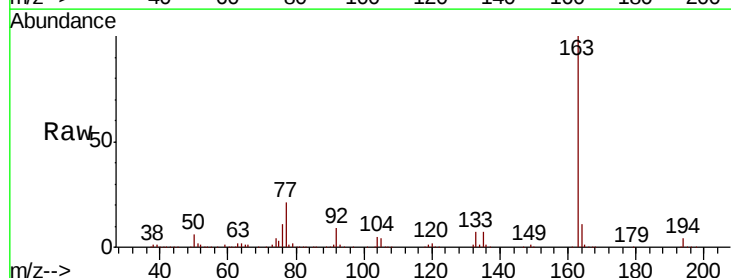
Tgt Ion:163 Resp: 1163316

Ion Ratio Lower Upper

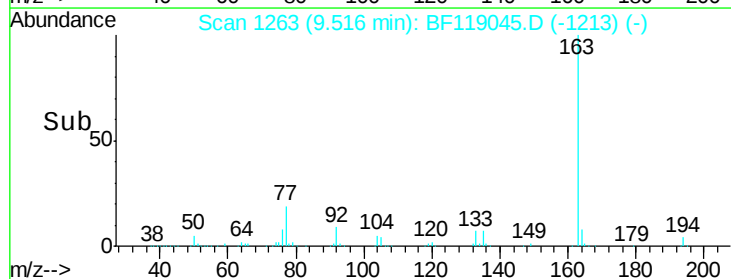
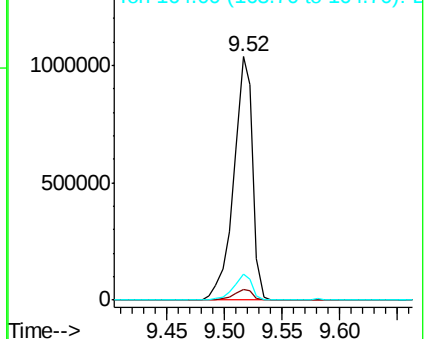
163 100

194 4.4 3.4 5.2

164 10.6 8.2 12.2



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





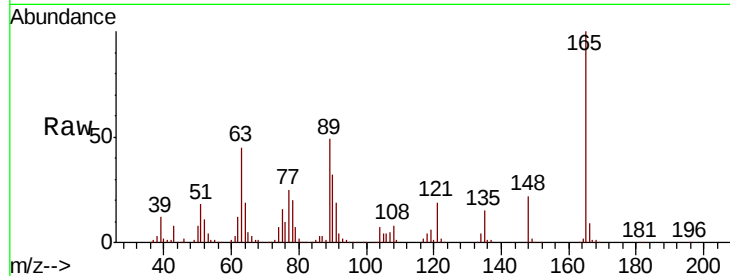
#51
 2,6-Dinitrotoluene
 Concen: 42.407 ng
 RT: 9.58 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MSD

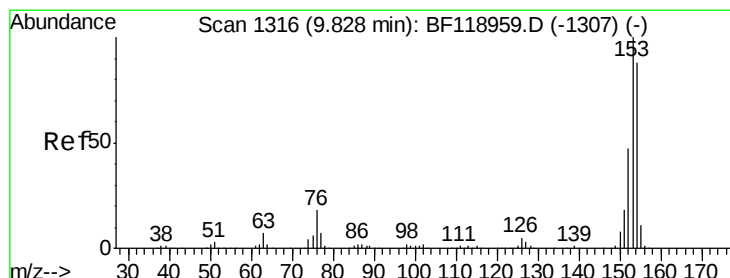
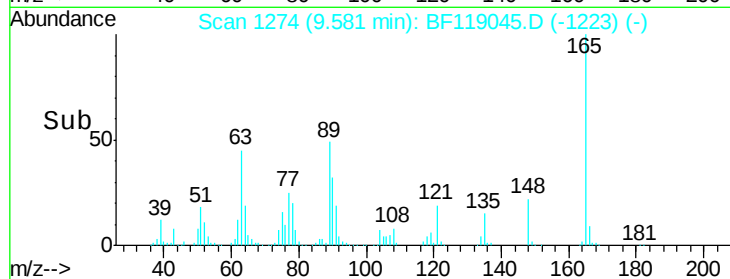
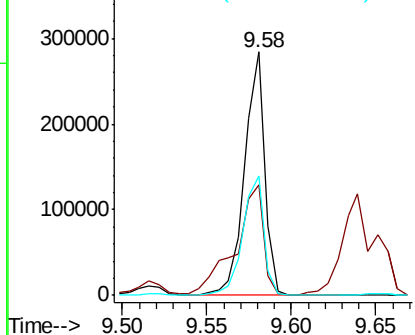
Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	45.3	37.9	56.9
89	49.1	41.4	62.0

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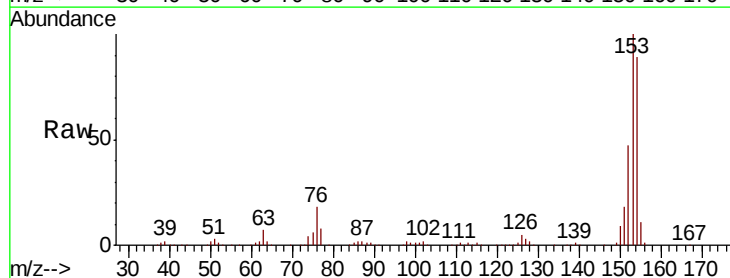


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

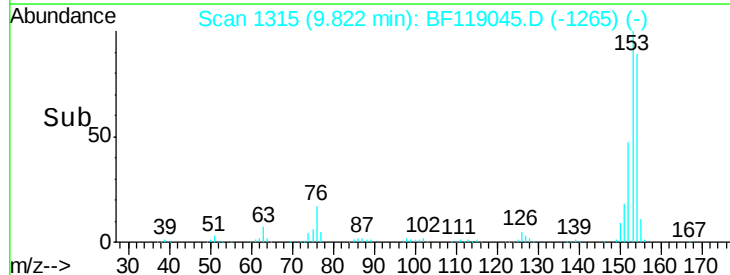
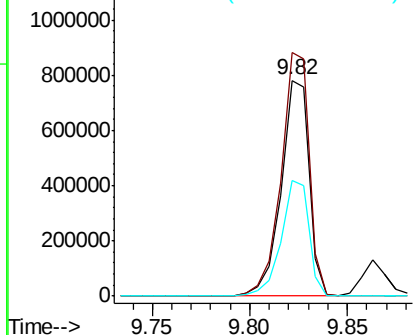


#52
 Acenaphthene
 Concen: 41.443 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	112.9	90.4	135.6
152	53.6	42.9	64.3



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





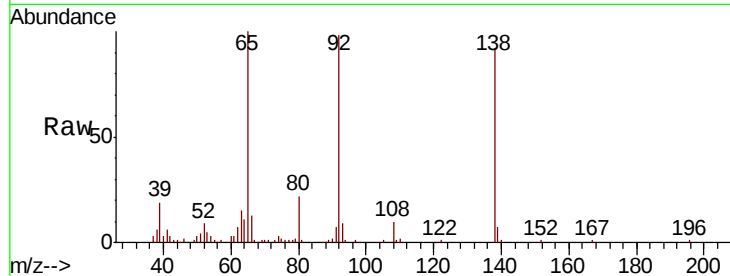
#53
3-Nitroaniline
Concen: 10.014 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.6	13.0
92	106.7	84.6	127.0

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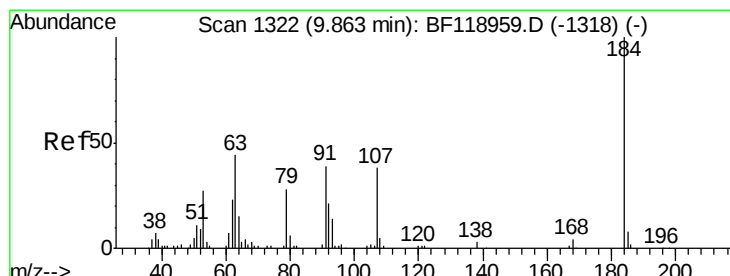
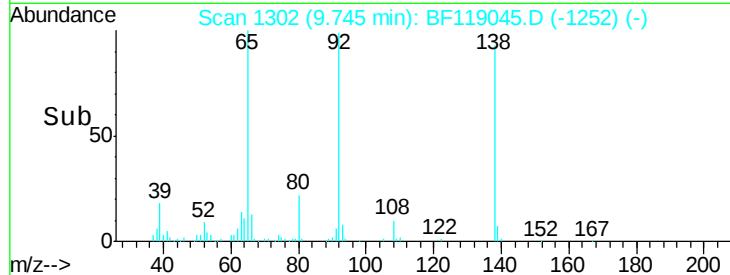
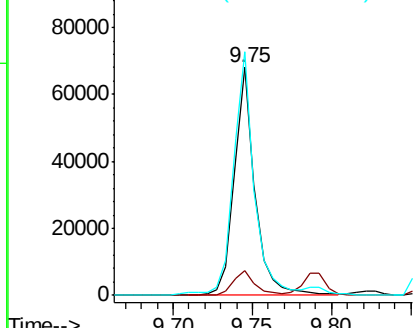


Abundance

Ion 138.00 (137.70 to 138.70): E

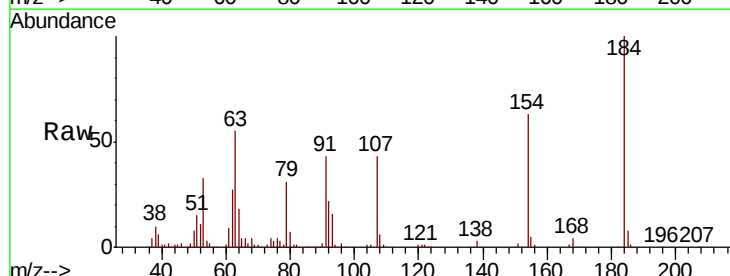
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 72.777 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
184	100		
63	55.4	37.8	56.6
154	63.2	47.6	71.4

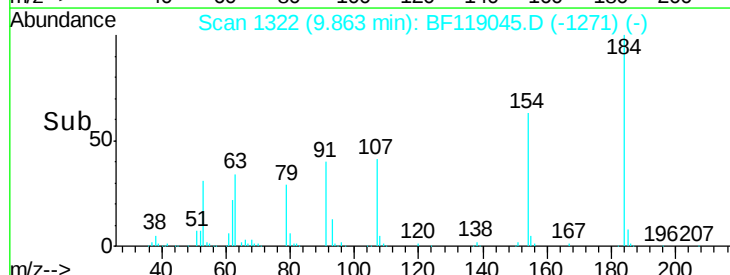
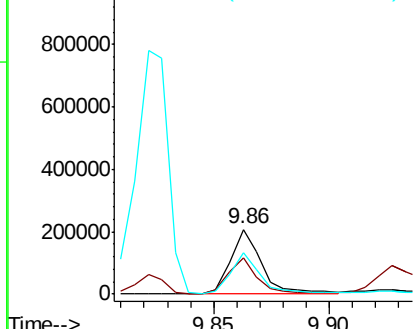


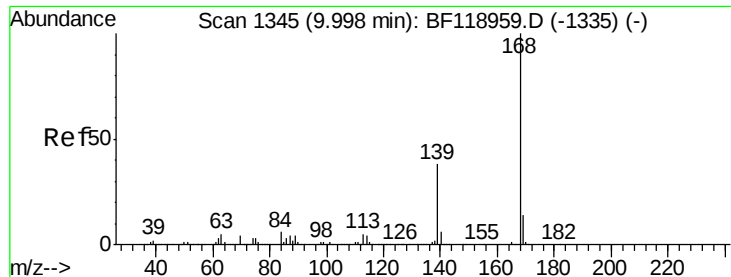
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





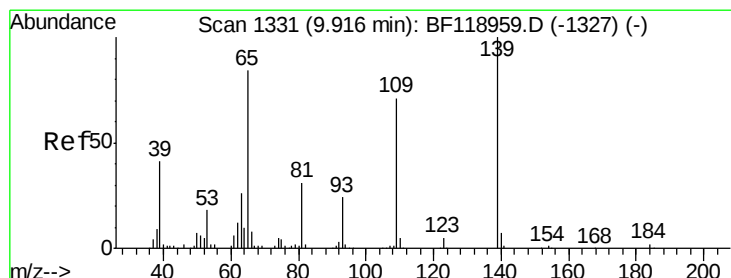
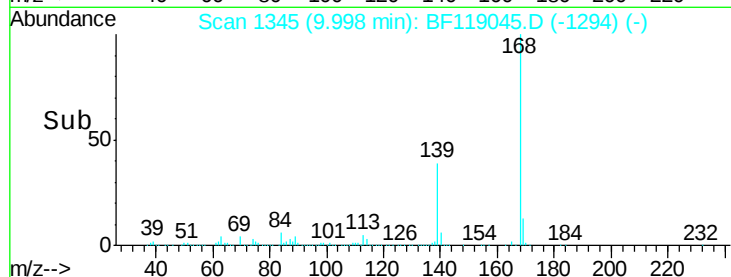
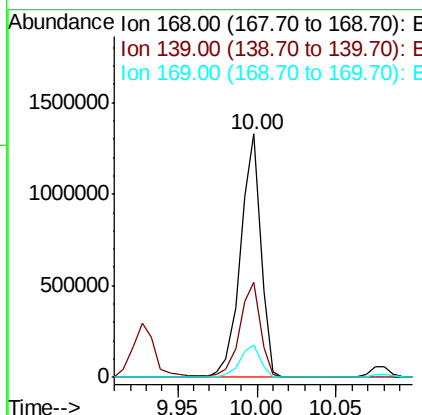
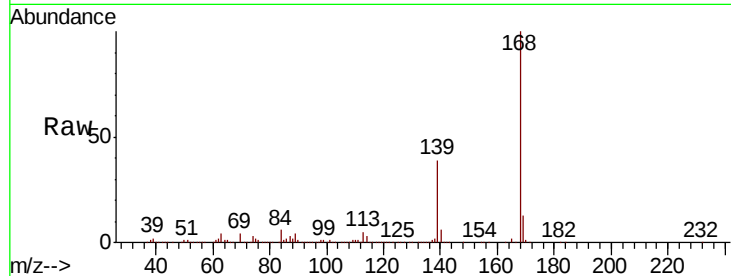
#55
Dibenzofuran
Concen: 42.387 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.1	31.7	47.5
169	13.5	11.0	16.4

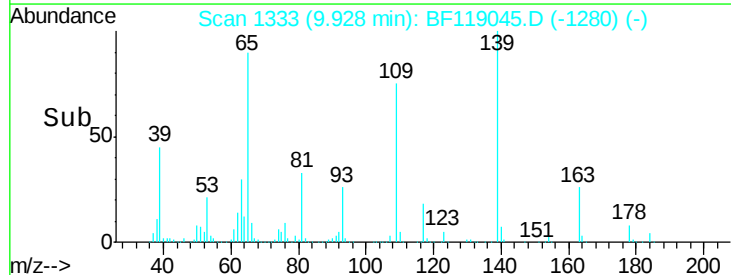
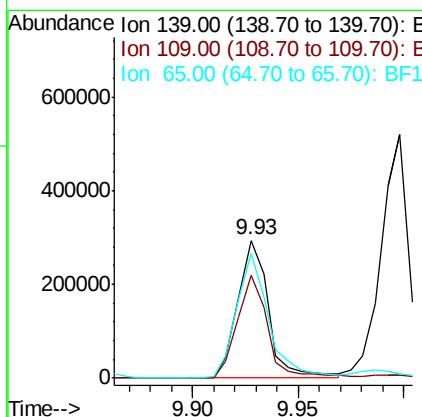
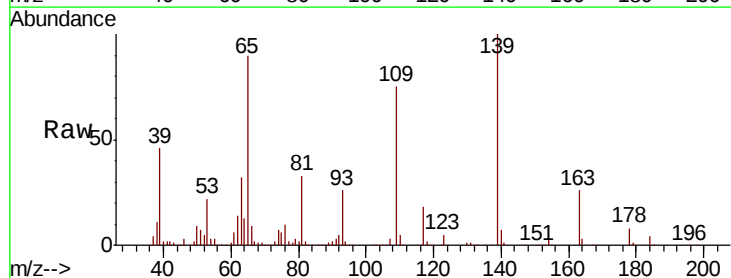
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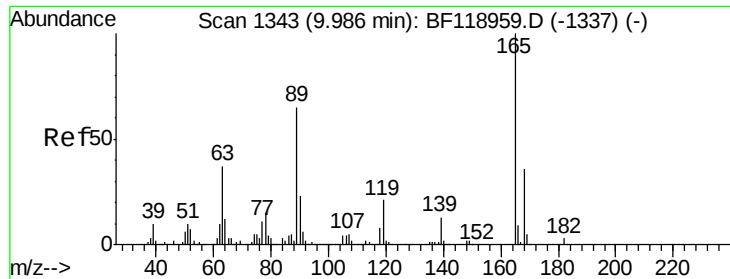
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#56
4-Nitrophenol
Concen: 79.862 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
139	100		
109	75.0	51.1	91.1
65	89.9	64.7	104.7





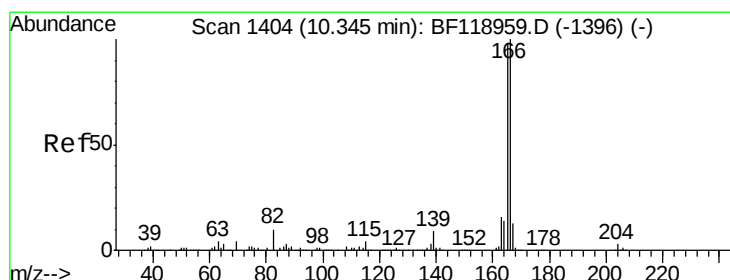
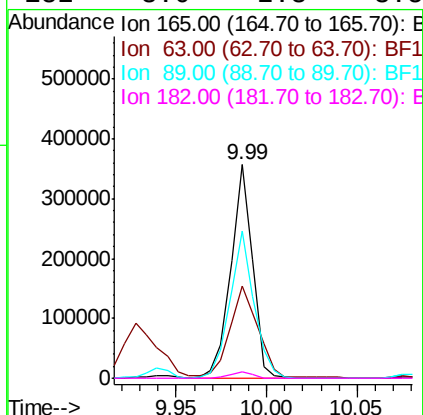
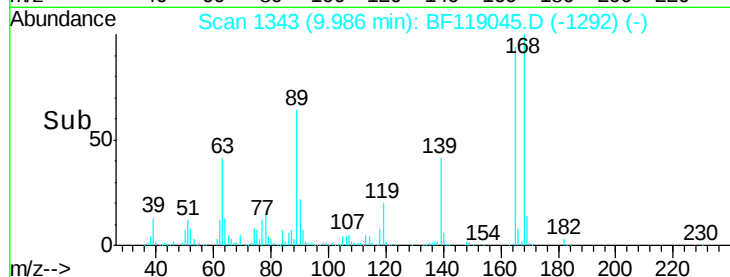
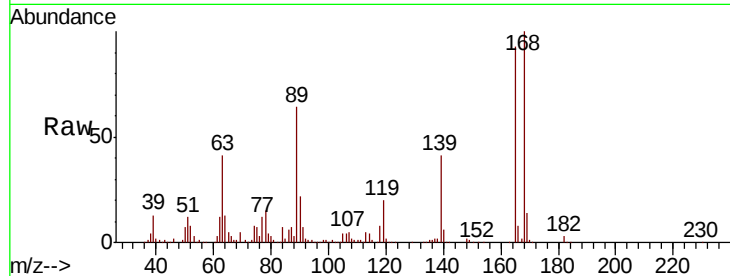
#57
2,4-Dinitrotoluene
Concen: 41.310 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	43.4	29.8	44.8	
89	68.9	51.9	77.9	
182	3.0	2.3	3.5	

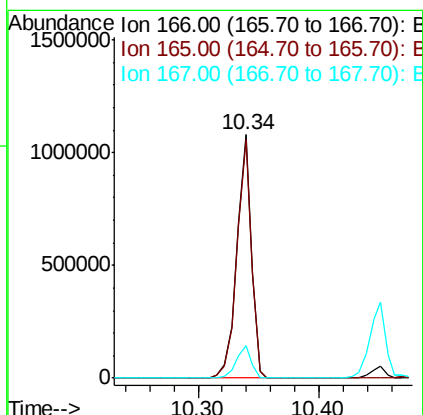
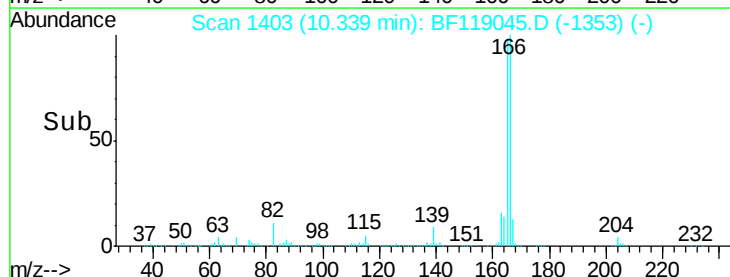
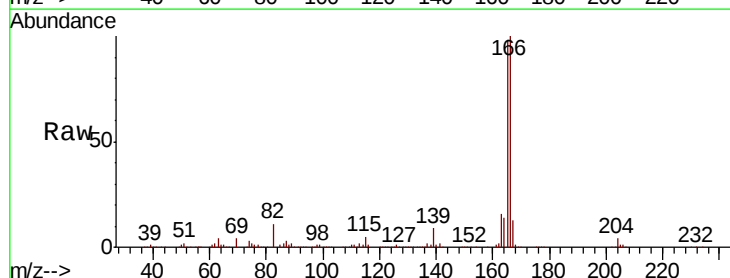
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#58
Fluorene
Concen: 41.955 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	98.0	78.2	117.4	
167	13.4	10.6	16.0	





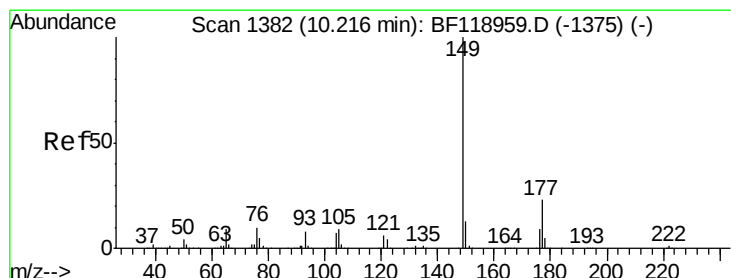
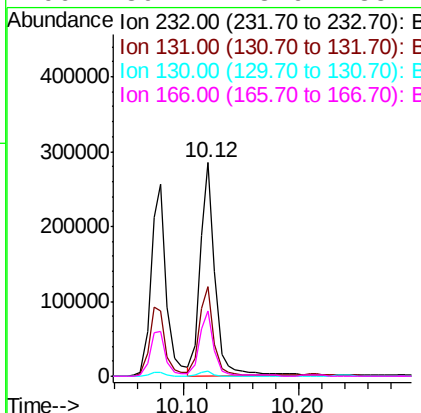
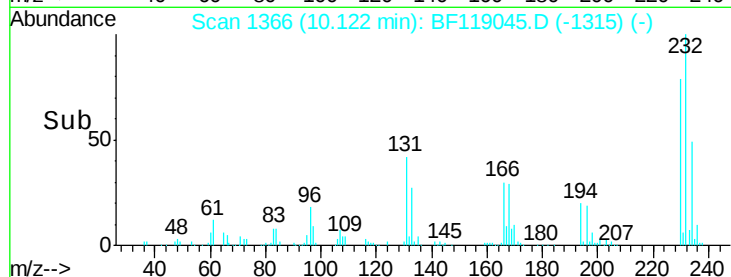
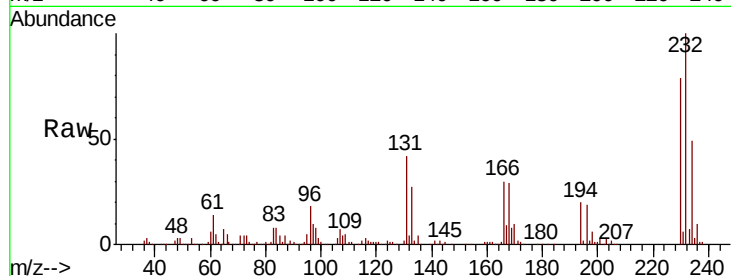
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.189 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MSD

Tot Ion	Ratio	Resp Lower	Upper
232	100		
131	41.4	34.0	51.0
130	2.2	1.6	2.4
166	30.1	23.6	35.4

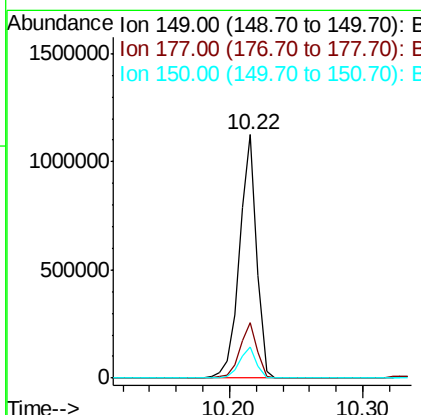
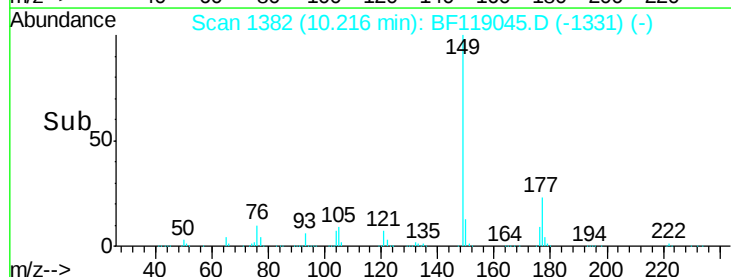
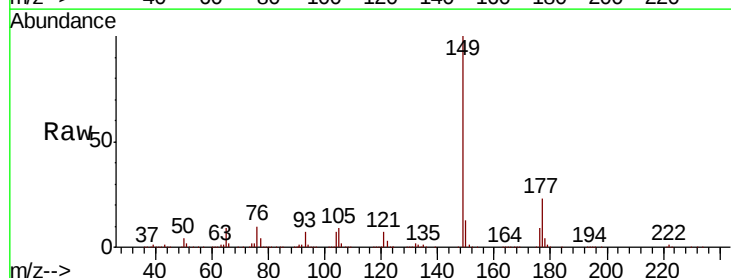
Manual Integrations
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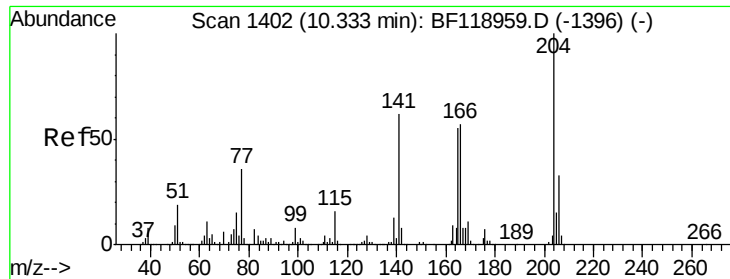
mohammad
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#60
 Diethylphthalate
 Concen: 41.994 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
177	22.7	18.1	27.1
150	12.9	10.4	15.6





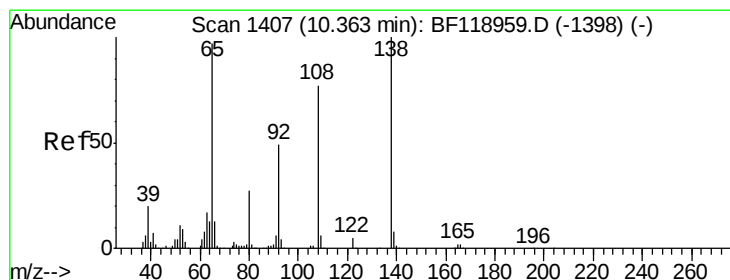
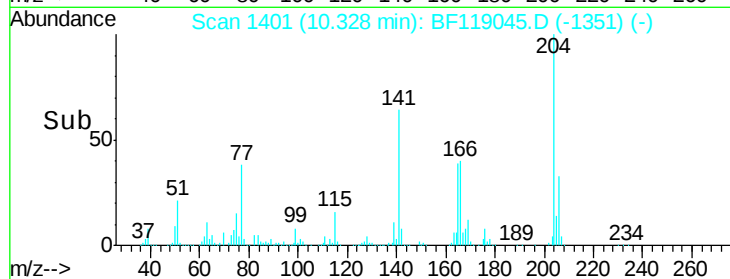
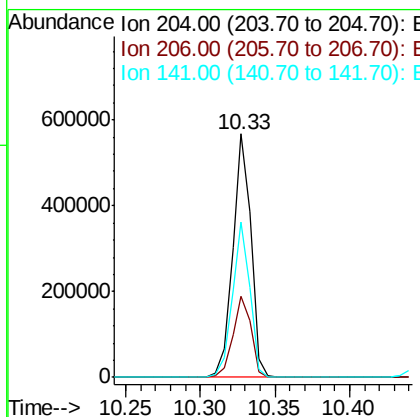
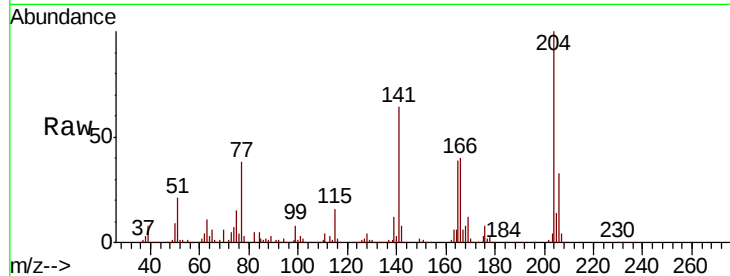
#61
 4-Chlorophenyl-phenylether
 Concen: 42.553 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MSD

Tot Ion:	204	Resp:	489244
Ion Ratio		Lower	Upper
204	100		
206	33.3	26.5	39.7
141	63.8	49.5	74.3

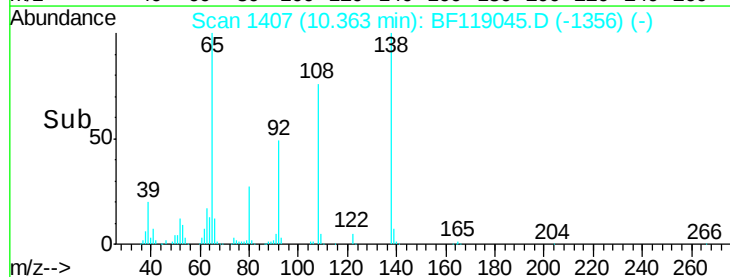
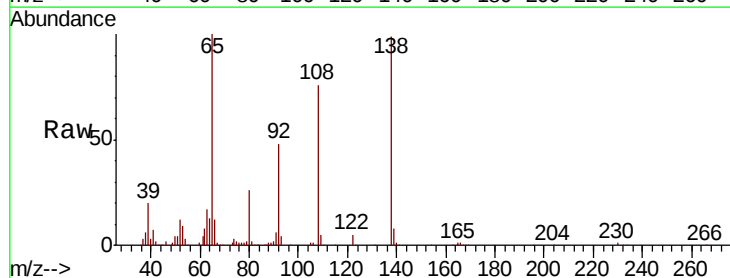
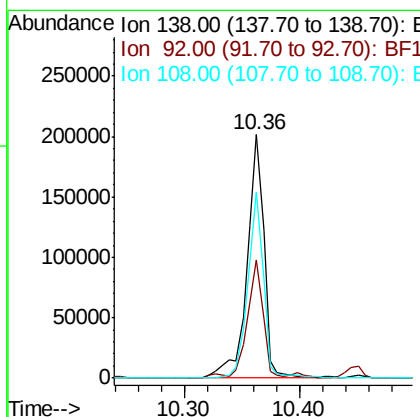
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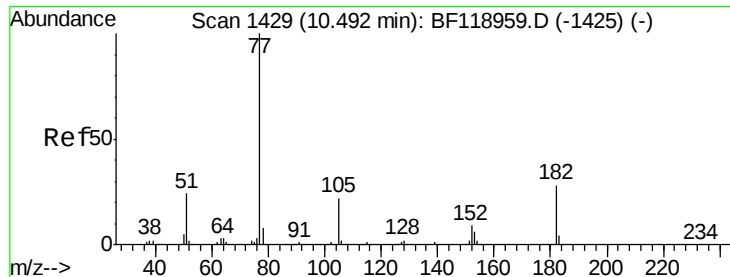
mohammad
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#62
 4-Nitroaniline
 Concen: 32.218 ng
 RT: 10.36 min Scan# 1407
 Delta R.T. -0.00 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Tgt Ion:	138	Resp:	204983
Ion Ratio		Lower	Upper
138	100		
92	48.6	28.7	68.7
108	76.5	56.8	96.8





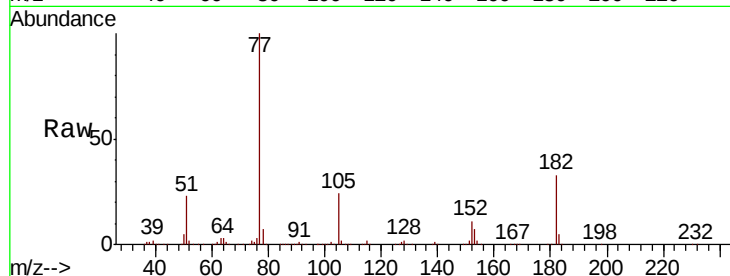
#63
Azobenzene
Concen: 42.536 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

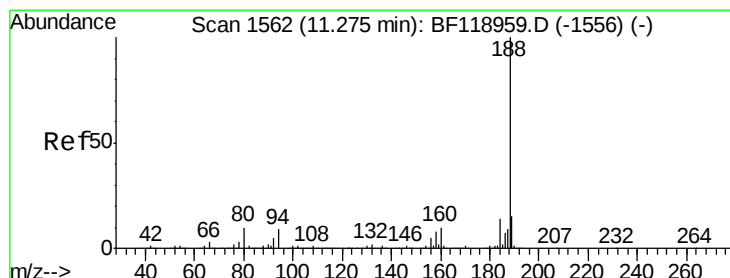
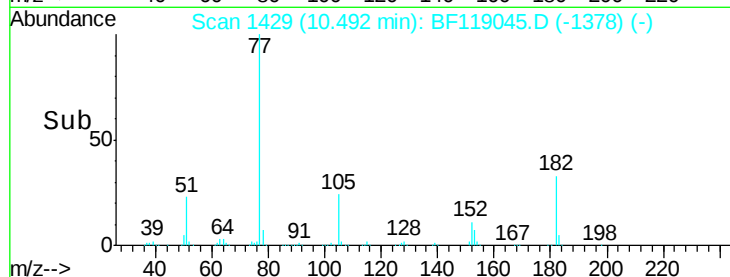
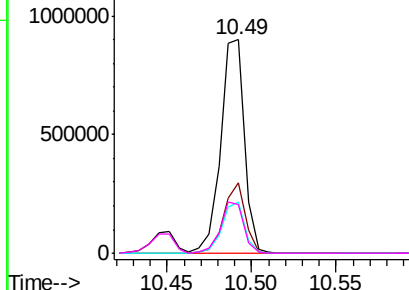
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		879700		
182	32.9	8.2	48.2		
105	23.8	2.3	42.3		
51	23.1	3.6	43.6		

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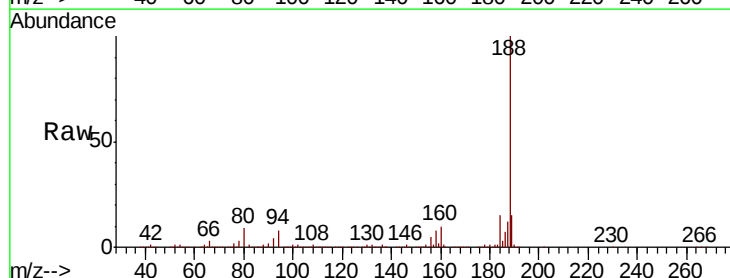


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

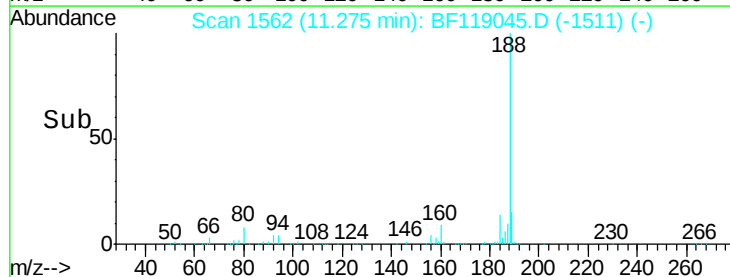
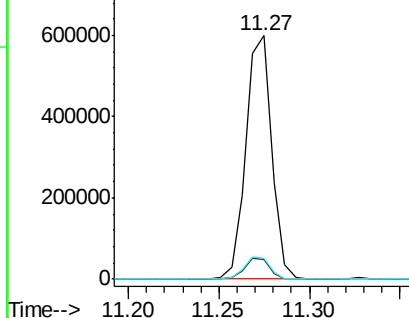


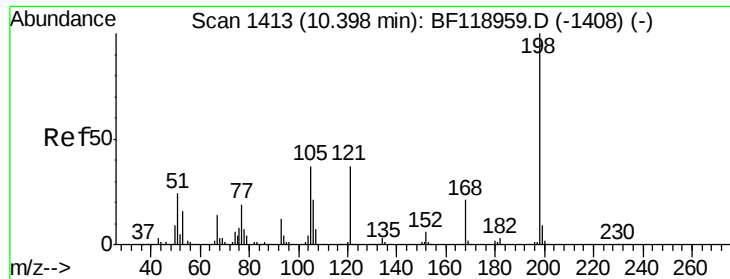
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		592512		
94	8.1	7.0	10.6		
80	8.7	7.9	11.9		



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





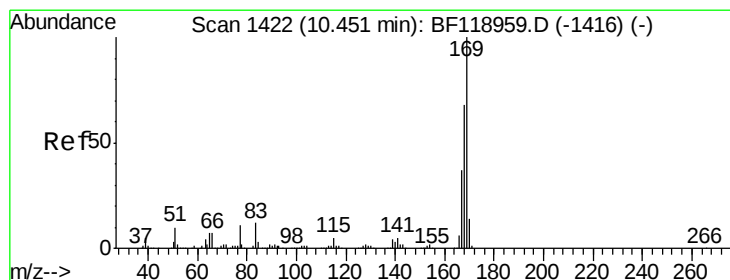
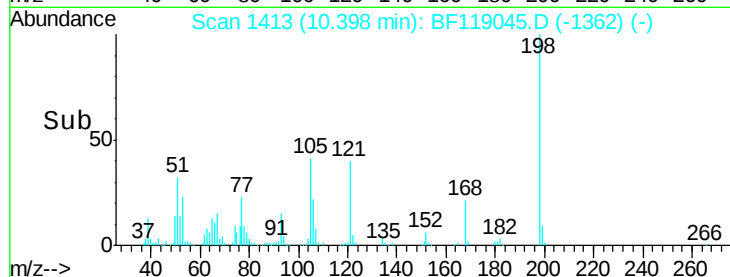
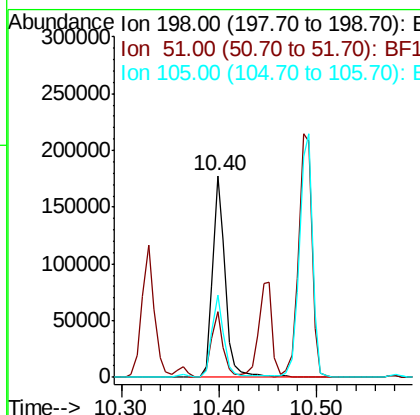
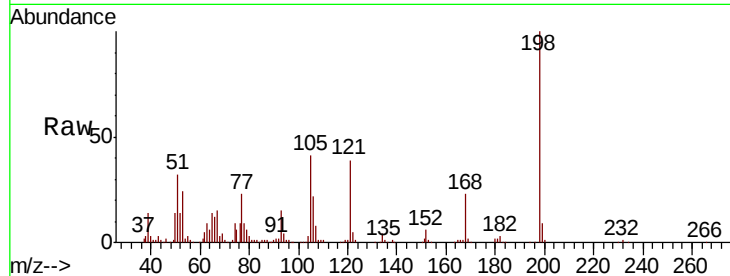
#65
4,6-Dinitro-2-methylphenol
Concen: 44.901 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	160988		
51	32.2	7.1	47.1	
105	41.0	18.3	58.3	

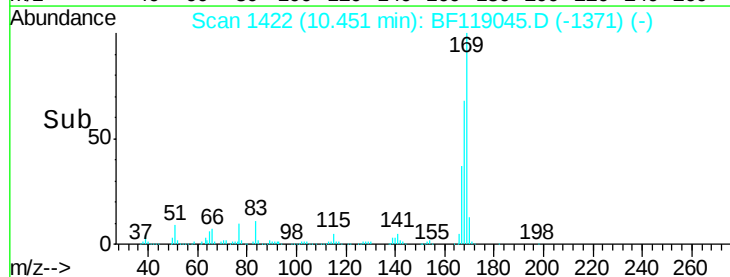
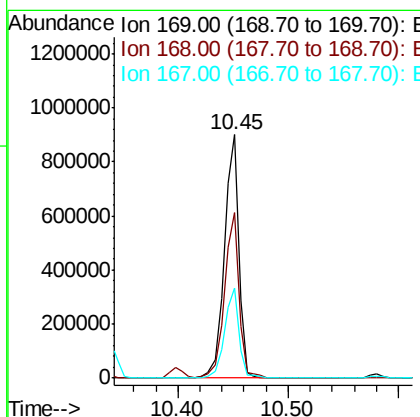
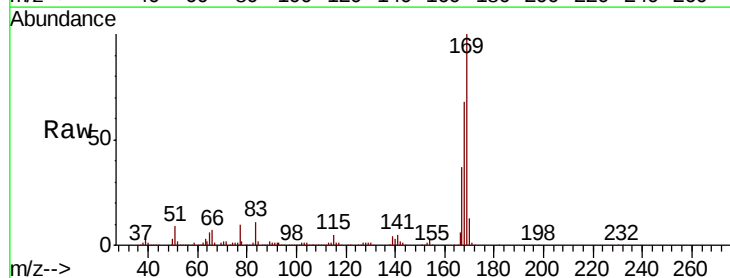
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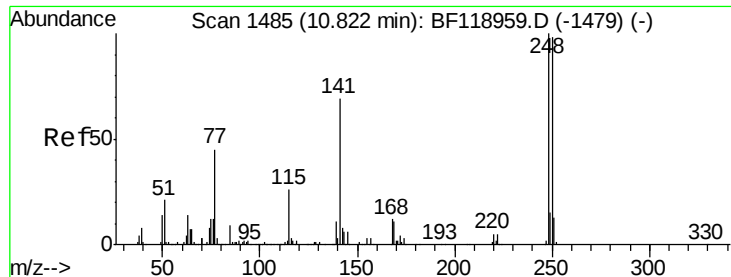
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 42.357 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	821770		
168	68.0	54.2	81.2	
167	37.2	29.4	44.2	





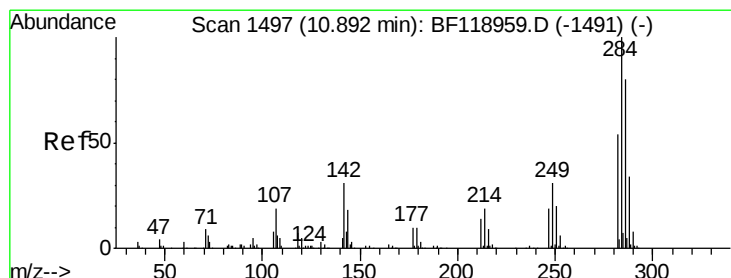
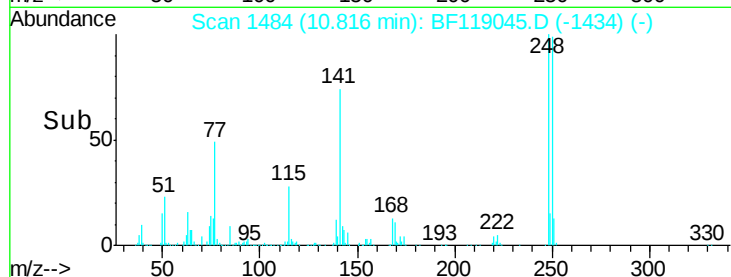
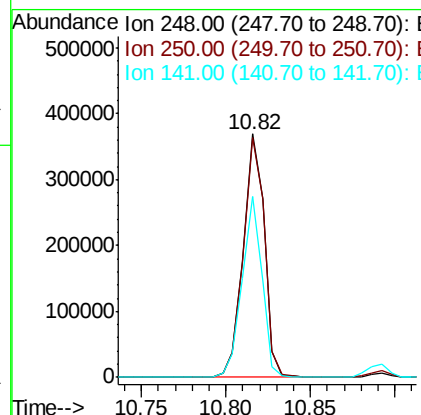
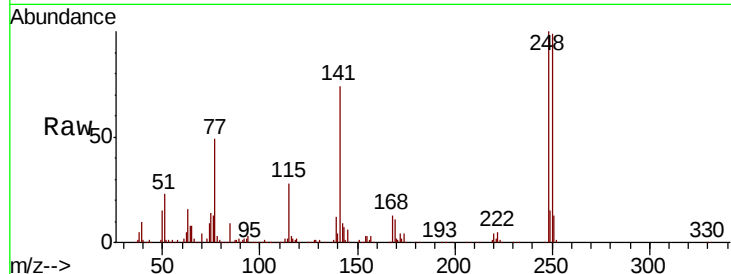
#67
4-Bromophenyl-phenylether
Concen: 41.476 ng
RT: 10.82 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.6	78.8	118.2
141	74.1	55.3	82.9

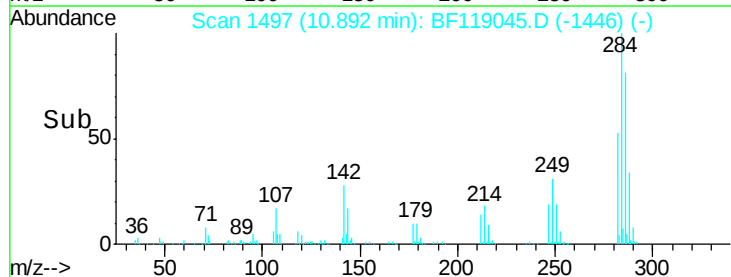
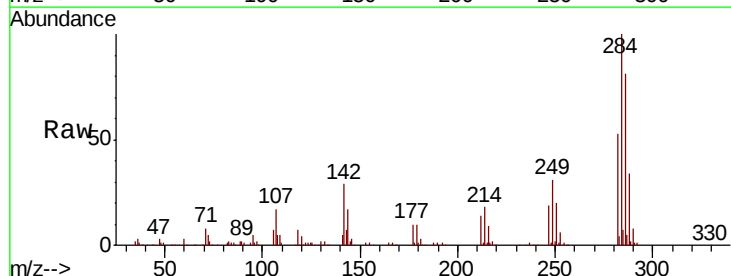
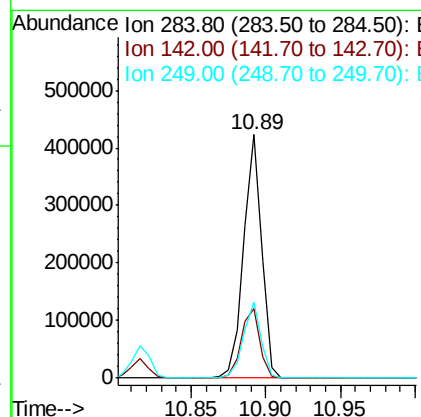
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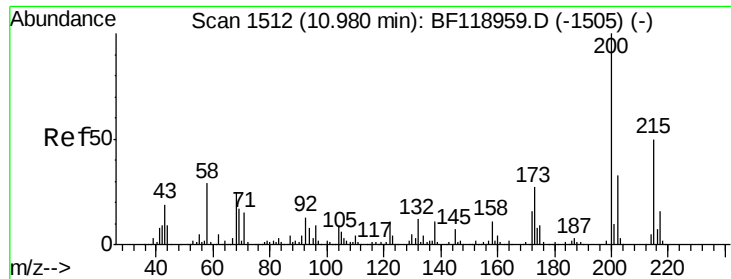
mohammad
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#68
Hexachlorobenzene
Concen: 39.954 ng
RT: 10.89 min Scan# 1497
Delta R.T. -0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.7	25.0	37.6
249	30.9	25.0	37.4





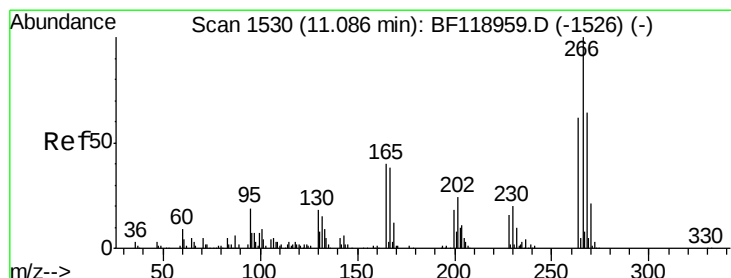
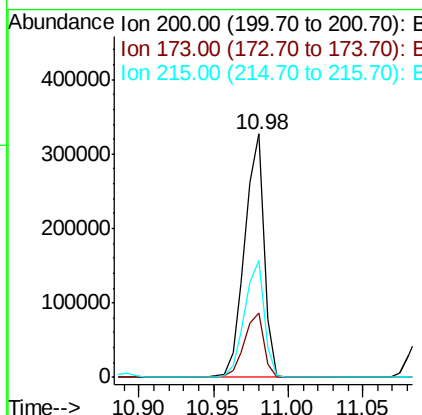
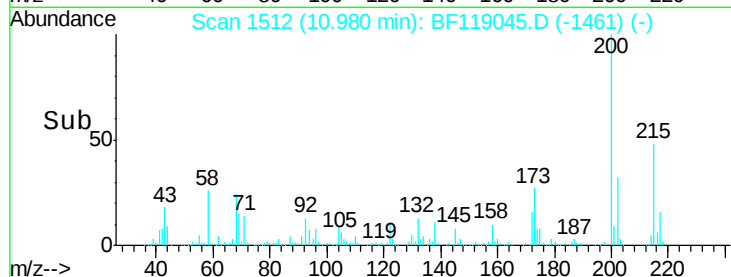
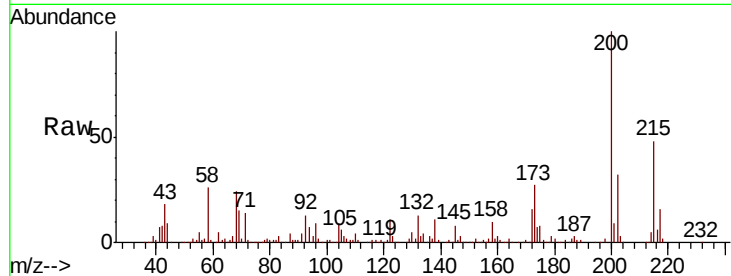
#69
Atrazine
Concen: 43.643 ng
RT: 10.98 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	26.5	6.9	46.9
215	48.2	29.7	69.7

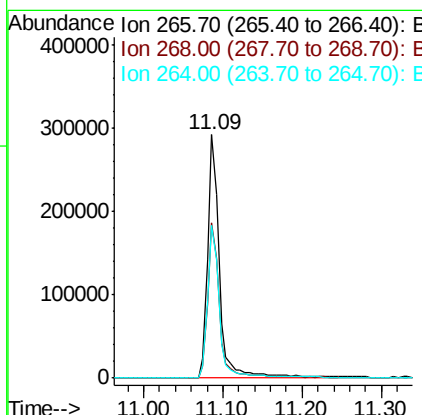
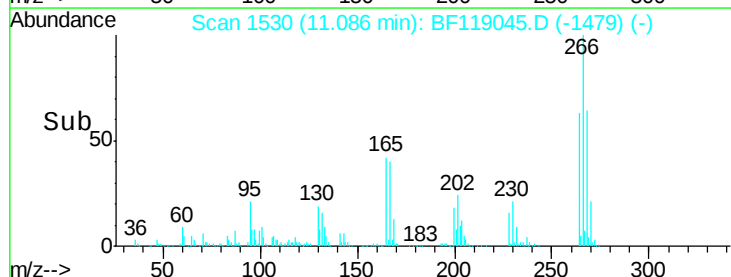
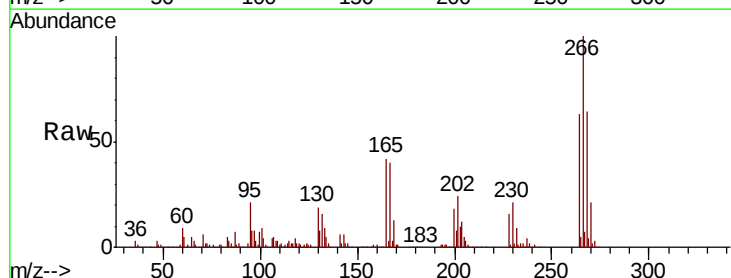
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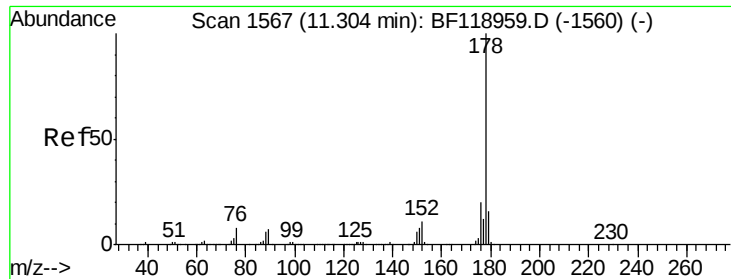
mohammad
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#70
Pentachlorophenol
Concen: 85.828 ng
RT: 11.09 min Scan# 1530
Delta R.T. -0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	63.7	51.4	77.0
264	62.8	49.5	74.3





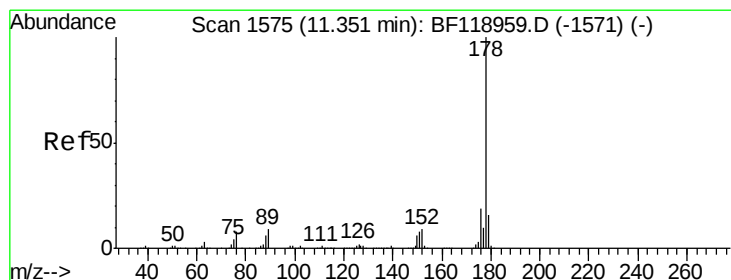
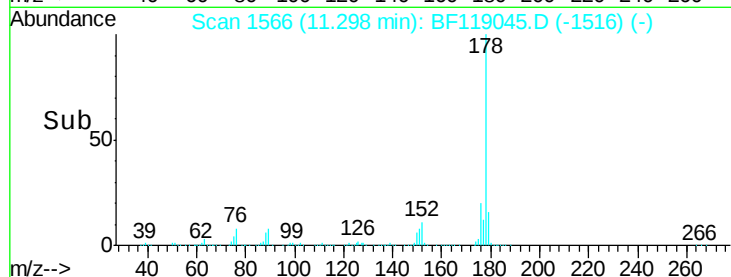
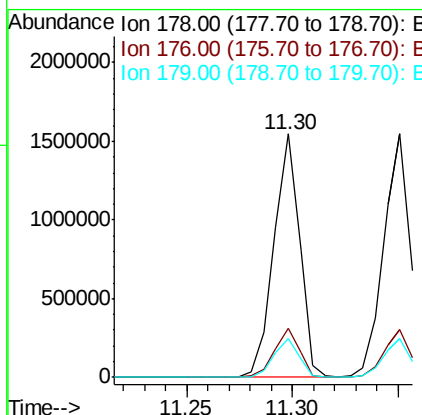
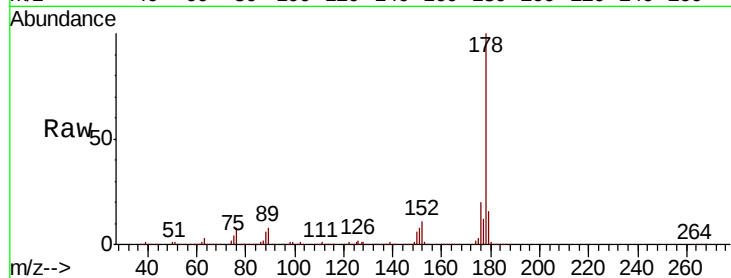
#71
Phenanthrene
Concen: 40.699 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion:178 Resp: 1315083
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 15.7 12.6 18.8

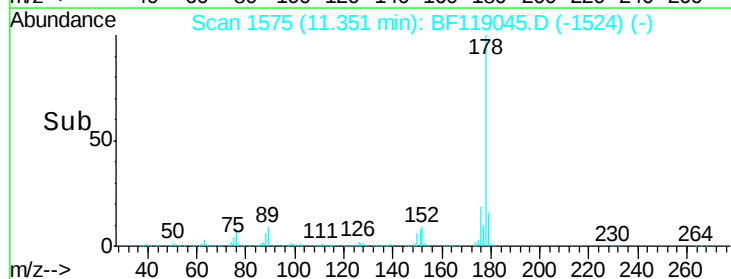
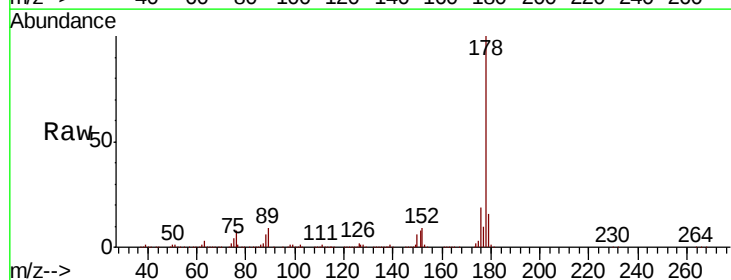
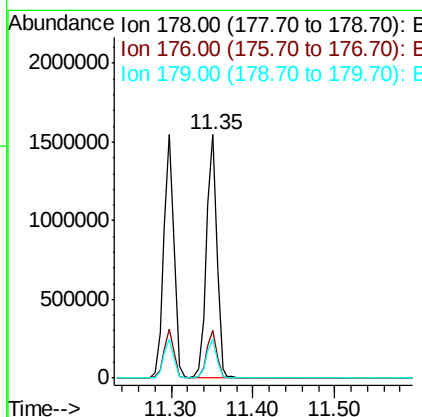
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#72
Anthracene
Concen: 42.534 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion:178 Resp: 1373239
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.9 12.8 19.2





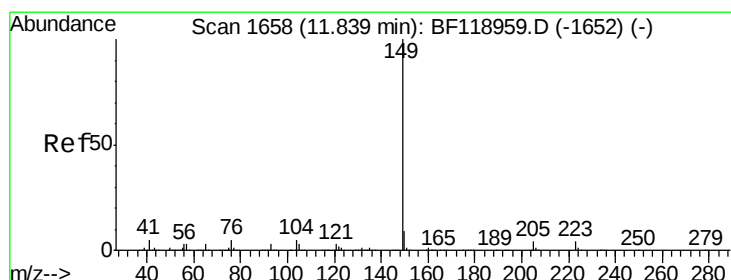
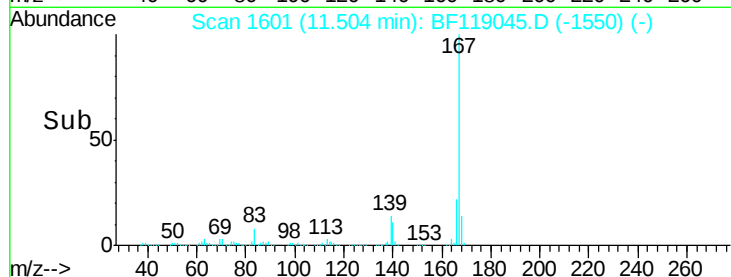
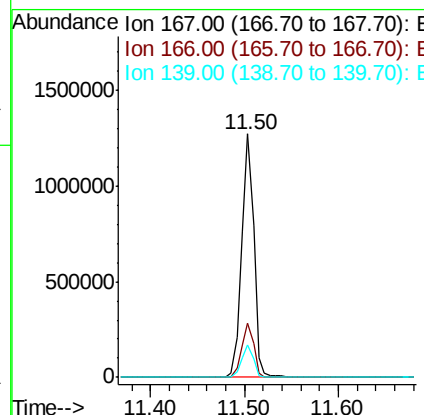
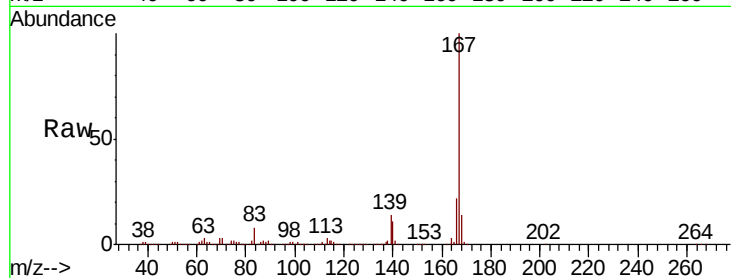
#73
 Carbazole
 Concen: 39.649 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.8	26.6
139	13.5	11.2	16.8

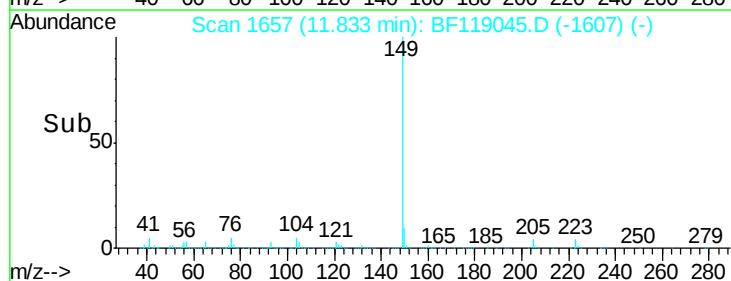
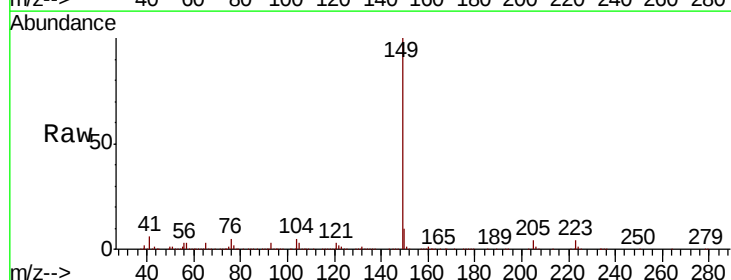
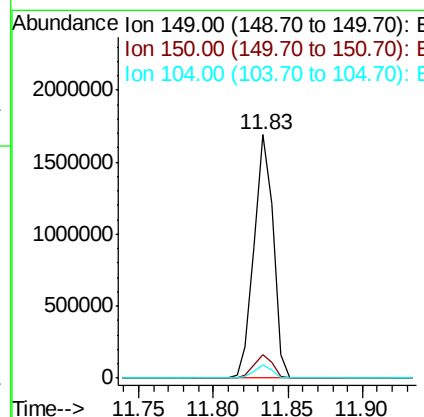
Manual Integrations
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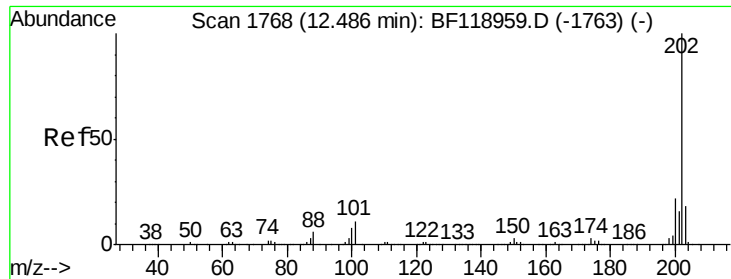
mohammad
 2/25/2020 4:19:32 PM



#74
 Di-n-butylphthalate
 Concen: 42.937 ng
 RT: 11.83 min Scan# 1657
 Delta R.T. -0.01 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	5.2	4.0	6.0





#75

Fluoranthene

Concen: 38.101 ng

RT: 12.49 min Scan# 1768

Delta R.T. -0.00 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Instrument :

BNA_F

ClientSampleId :

LIED-TS001-01MSD

Tot Ion:202 Resp: 1306836

Ion Ratio Lower Upper

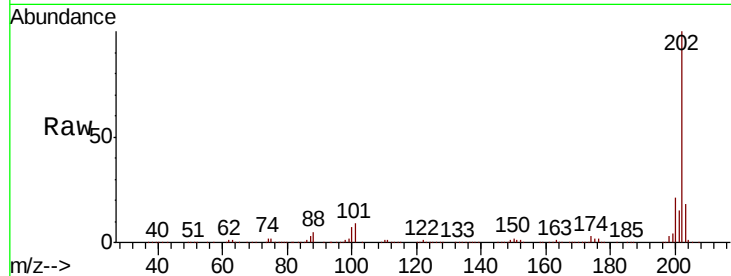
202 100

101 9.5 0.0 31.1

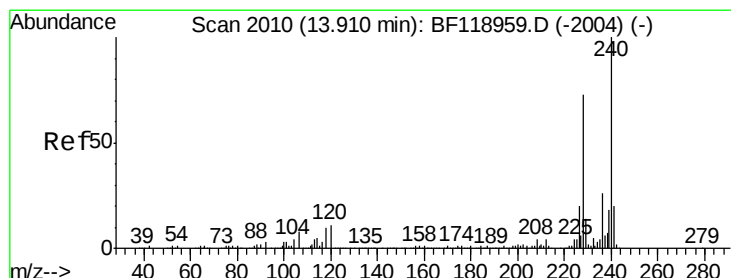
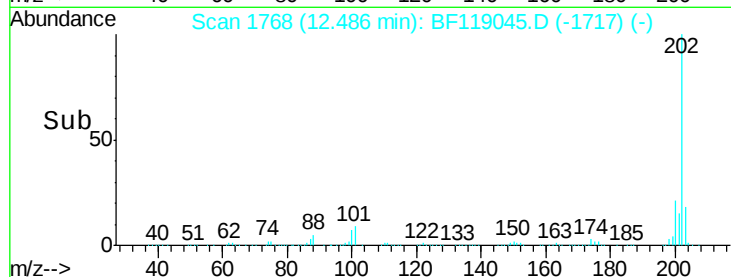
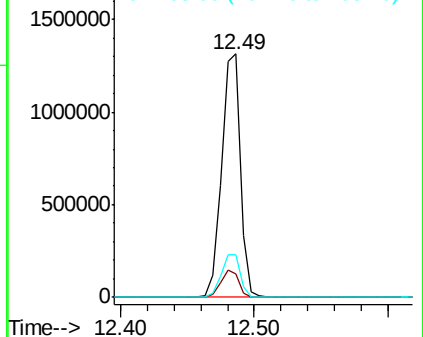
203 17.7 0.0 38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

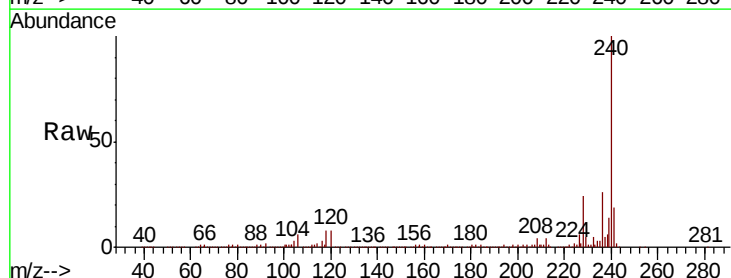
Tgt Ion:240 Resp: 370386

Ion Ratio Lower Upper

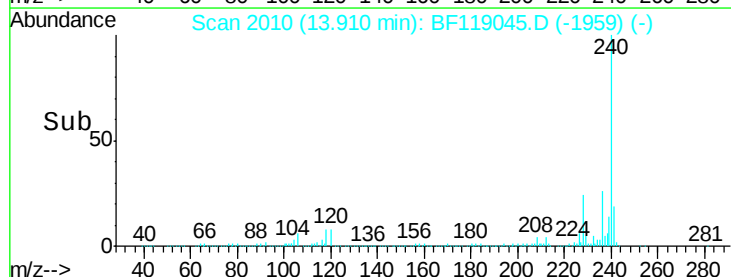
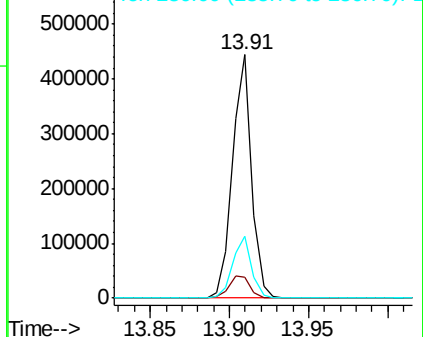
240 100

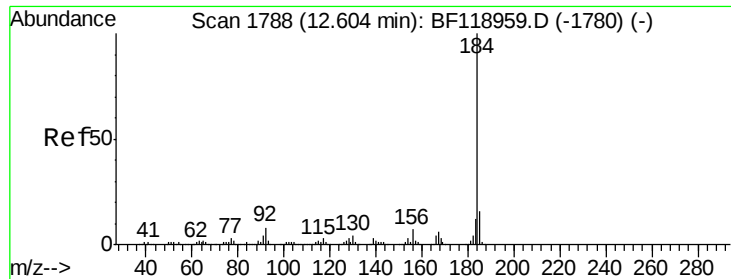
120 8.5 8.9 13.3#

236 25.6 20.6 30.8



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 22.674 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Instrument :

BNA_F

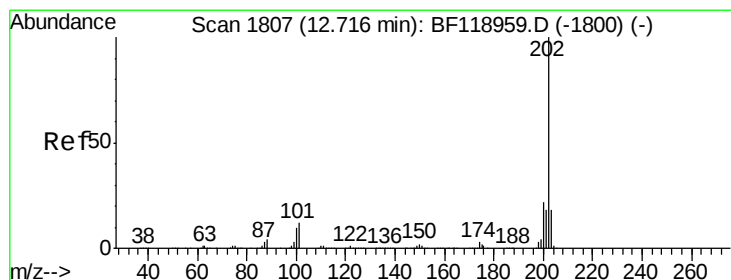
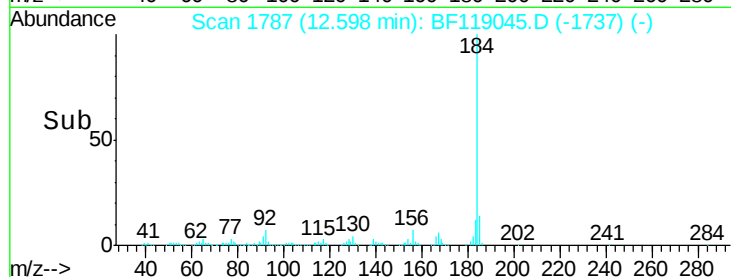
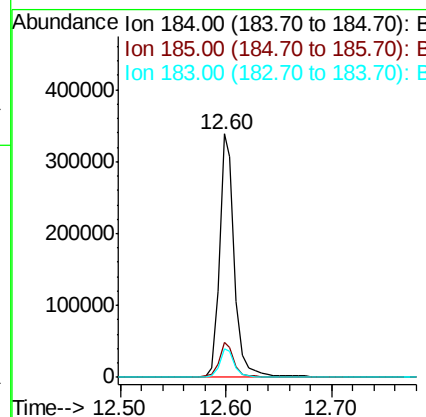
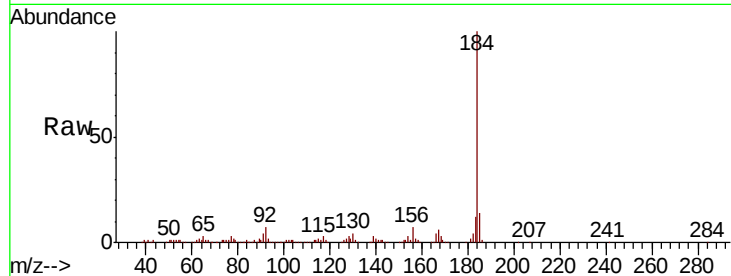
ClientSampleId :

LIED-TS001-01MSD

Tot Ion:	184	Resp:	341540
Ion	Ratio	Lower	Upper
184	100		
185	14.5	12.6	19.0
183	11.6	9.9	14.9

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#78

Pyrene

Concen: 43.323 ng

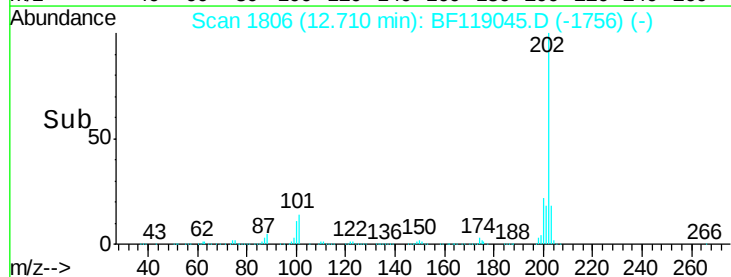
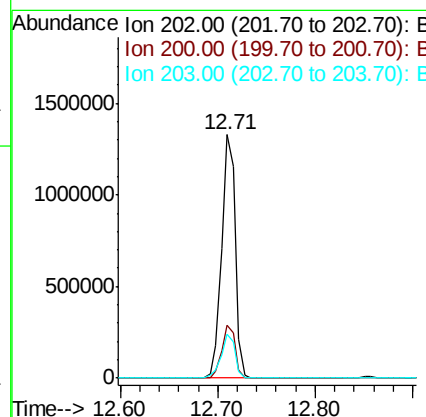
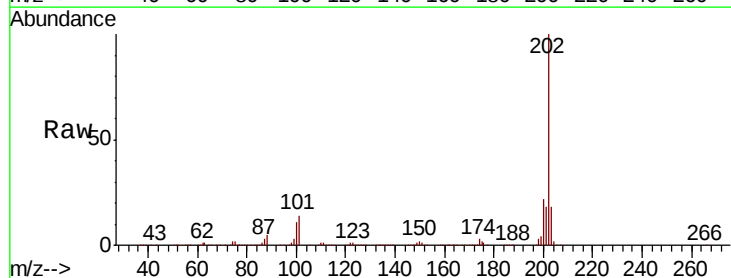
RT: 12.71 min Scan# 1806

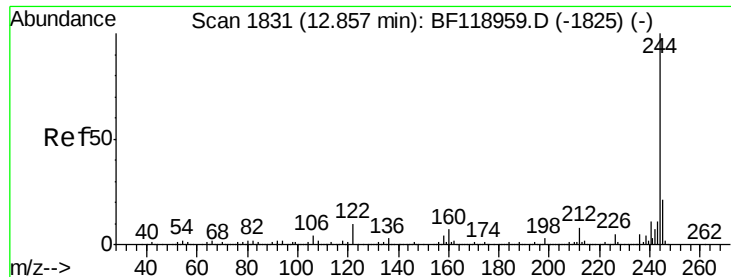
Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Tgt Ion:	202	Resp:	1288485
Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.0
203	18.0	14.5	21.7





#79

Terphenyl-d14

Concen: 81.991 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Instrument :

BNA_F

ClientSampleId :

LIED-TS001-01MSD

Tot Ion:244 Resp: 1763879

Ion Ratio Lower Upper

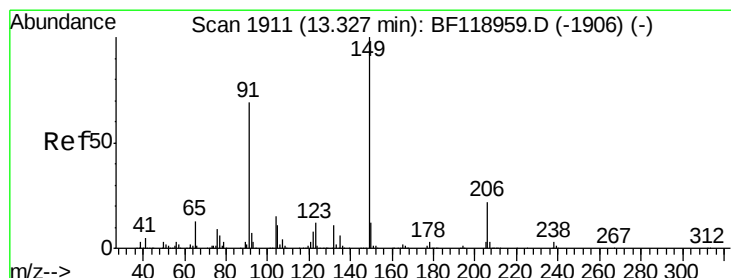
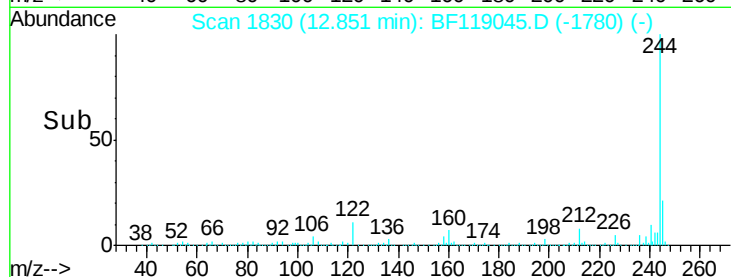
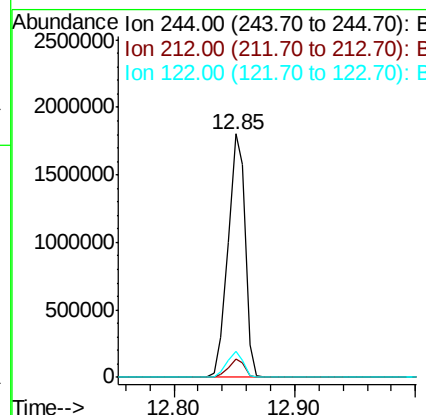
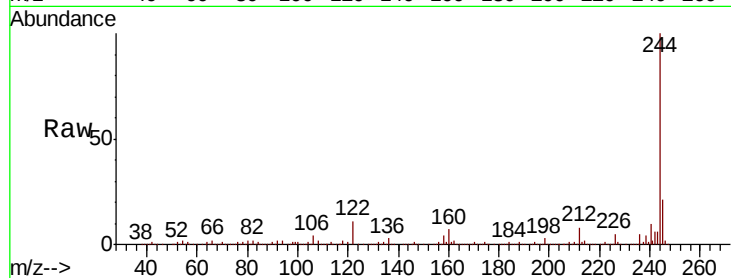
244 100

212 7.5 6.3 9.5

122 10.5 8.4 12.6

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#80

Butylbenzylphthalate

Concen: 44.418 ng

RT: 13.33 min Scan# 1911

Delta R.T. -0.00 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

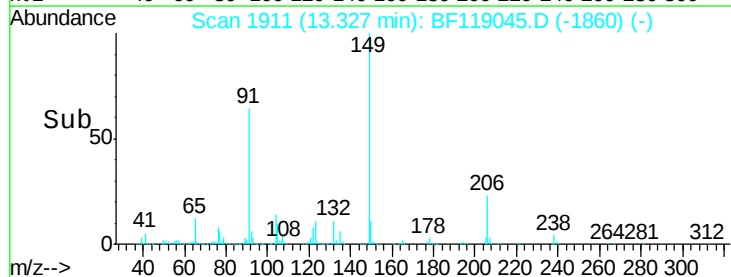
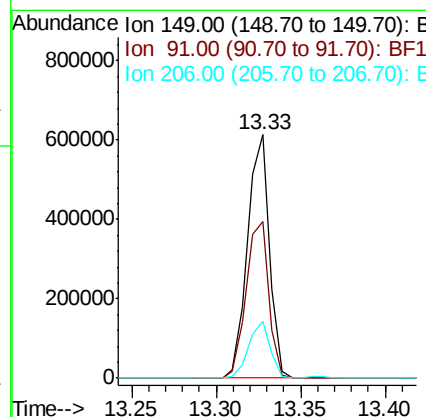
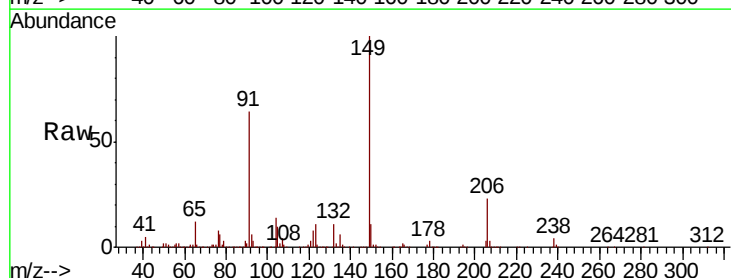
Tgt Ion:149 Resp: 555995

Ion Ratio Lower Upper

149 100

91 64.5 55.4 83.2

206 23.3 17.7 26.5





#81

Benzo(a)anthracene

Concen: 39.454 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Instrument :

BNA_F

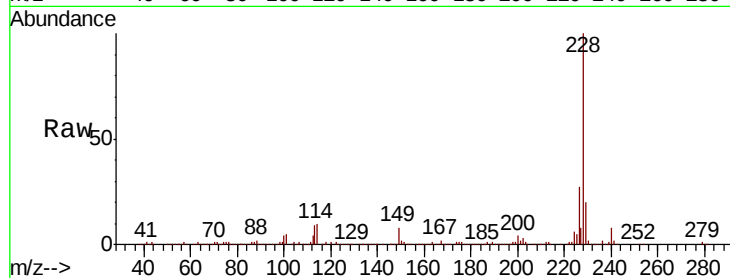
ClientSampleId :

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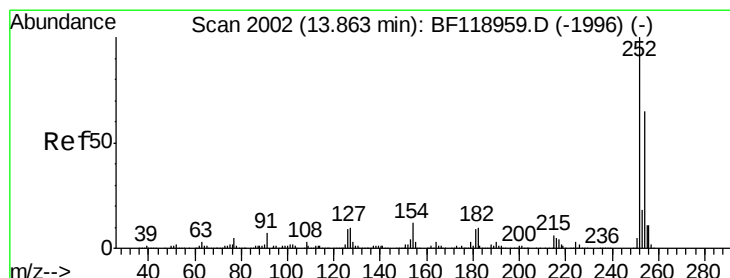
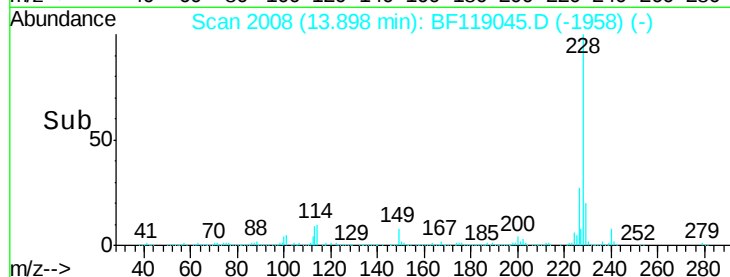
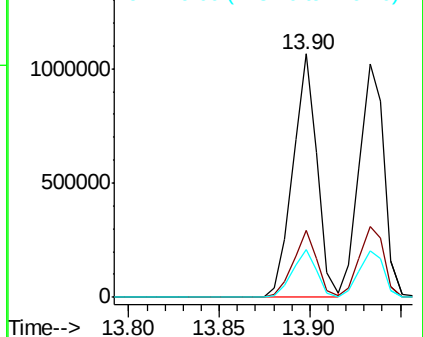
Tot Ion:	228	Resp:	995691
Ion Ratio		Lower	Upper
228	100		
226	27.5	21.8	32.8
229	19.6	16.0	24.0

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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: 21.551 ng

RT: 13.86 min Scan# 2001

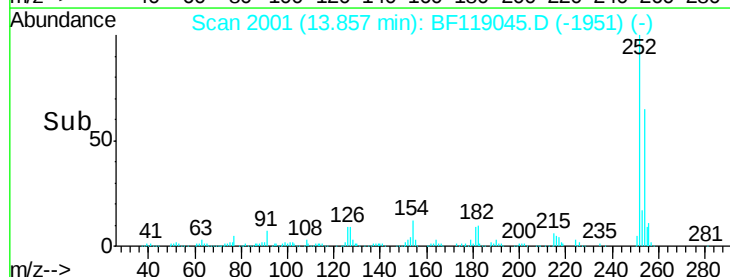
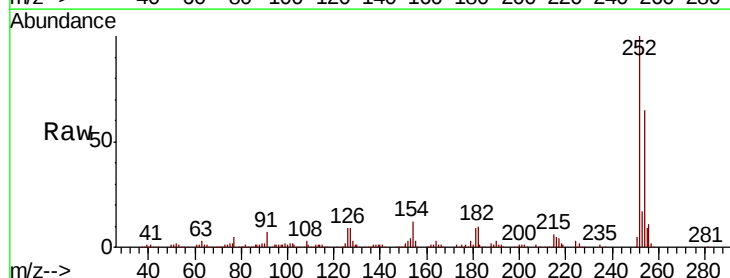
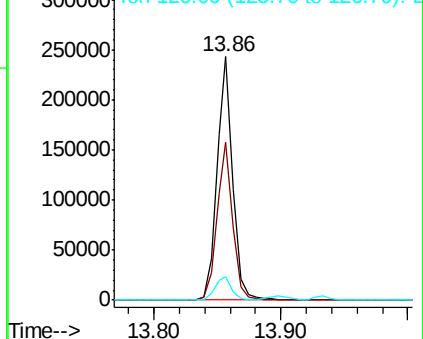
Delta R.T. -0.01 min

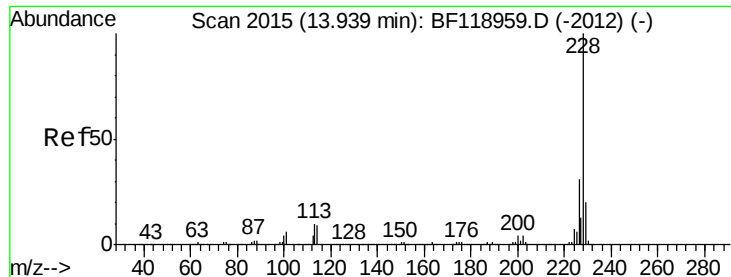
Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Tgt Ion:	252	Resp:	211195
Ion Ratio		Lower	Upper
252	100		
254	65.1	52.1	78.1
126	9.4	7.3	10.9

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





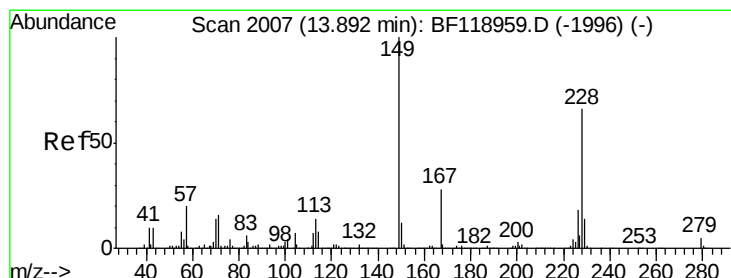
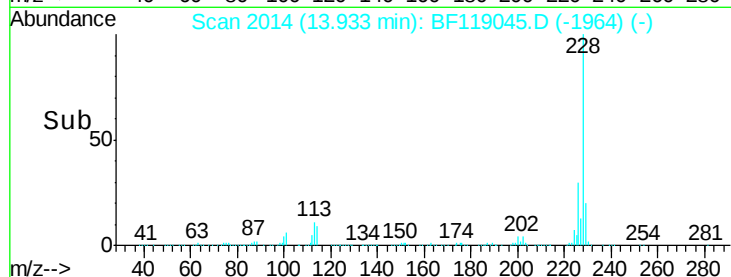
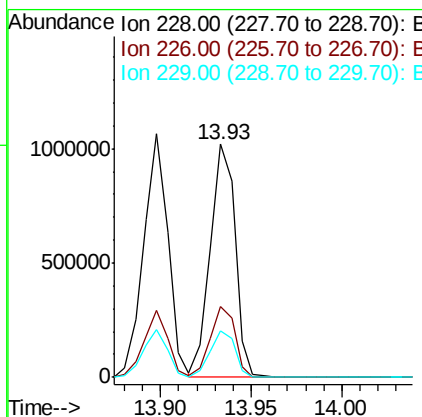
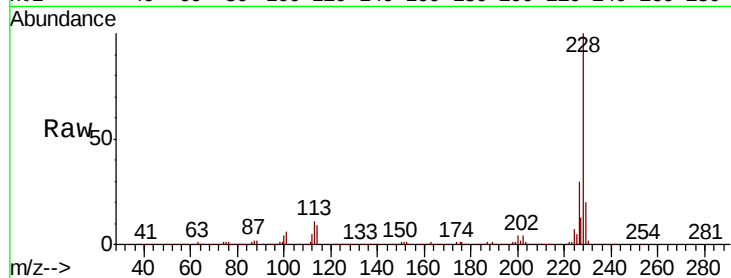
#83
 Chrvsene
 Concen: 38.857 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.6	37.0
229	20.0	16.2	24.2

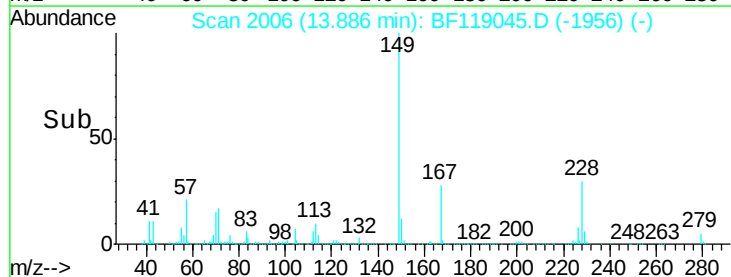
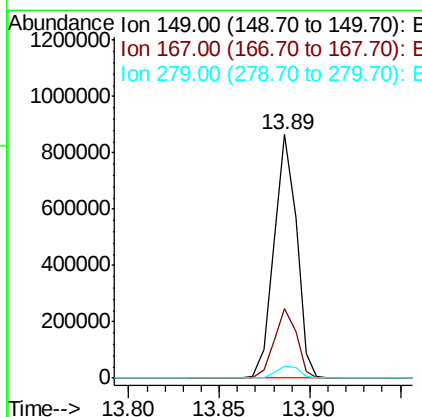
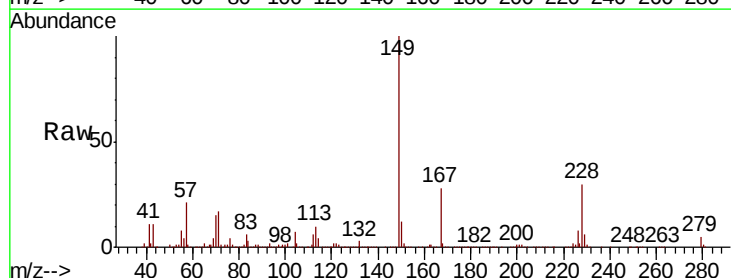
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 47.572 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF119045.D
 Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.3	33.5
279	5.0	4.2	6.4





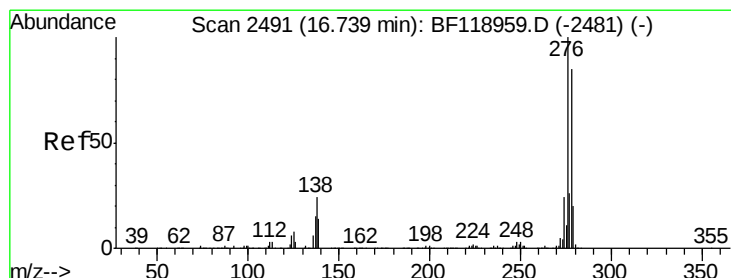
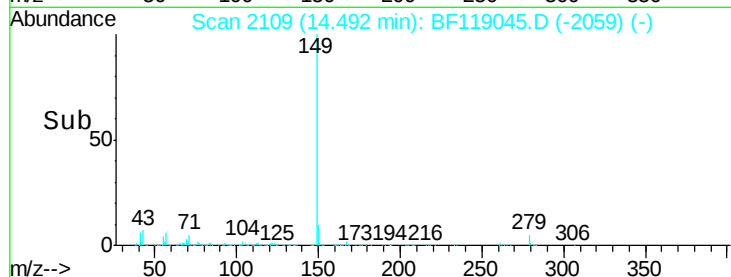
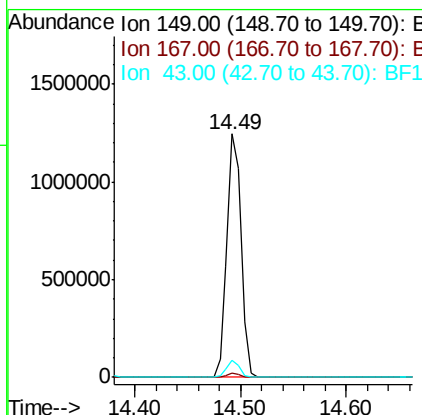
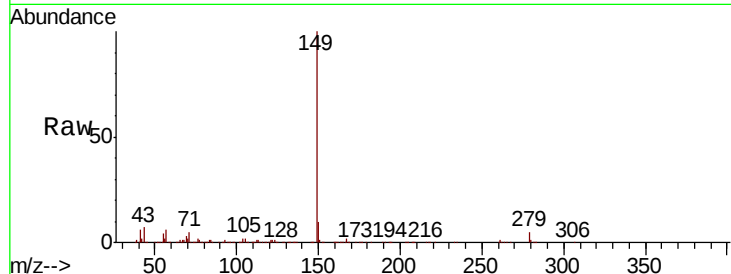
#85
Di-n-octyl phthalate
Concen: 46.293 ng
RT: 14.49 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	6.4	5.2	7.8

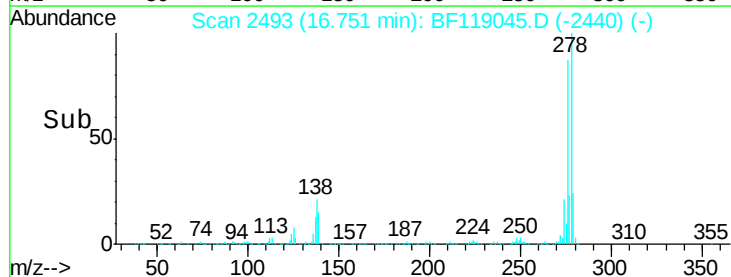
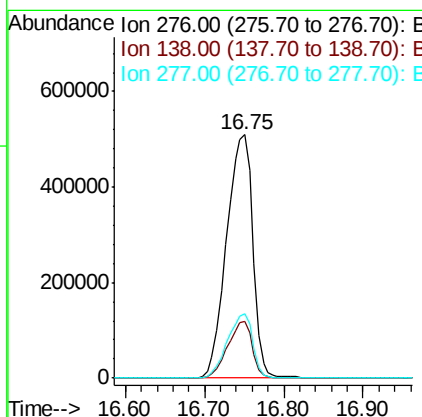
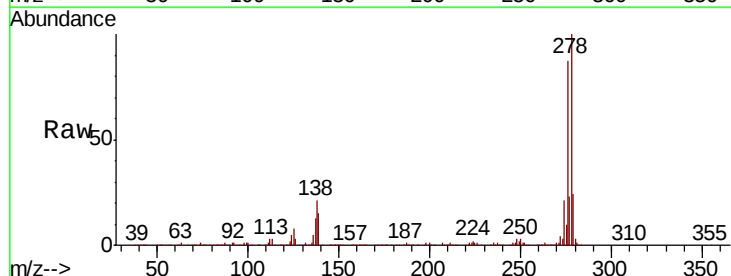
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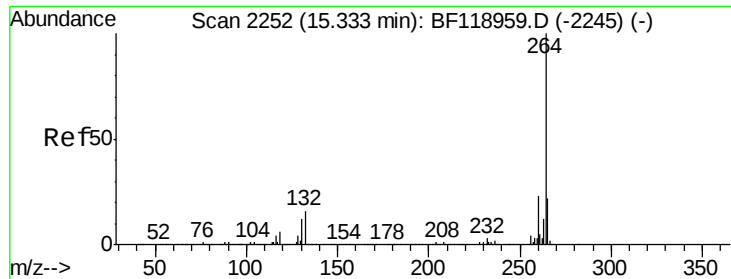
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#86
Indeno(1,2,3-cd)pyrene
Concen: 47.887 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	18.7	28.1
277	25.5	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2252

Delta R.T. -0.00 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Instrument :

BNA_F

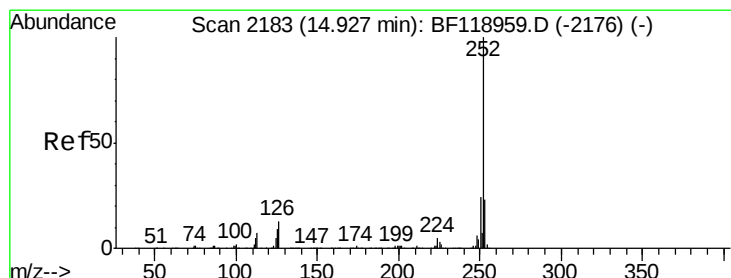
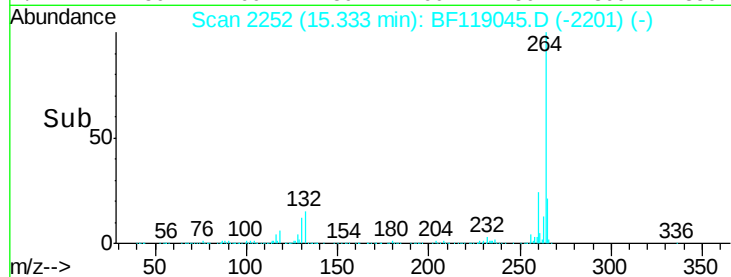
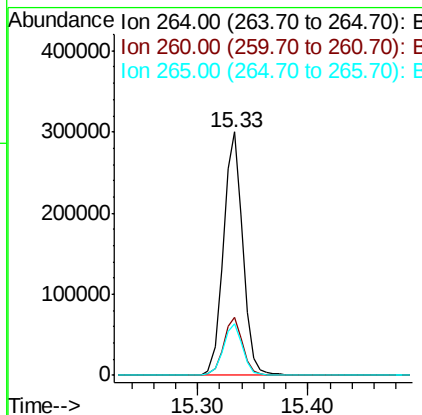
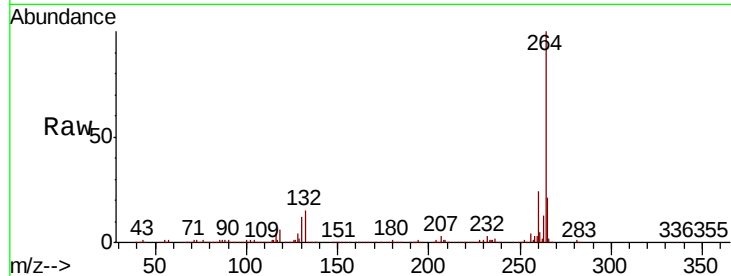
ClientSampleId :

LIED-TS001-01MSD

Tot Ion:	264	Resp:	367686
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.6	28.0
265	21.4	17.3	25.9

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 39.858 ng

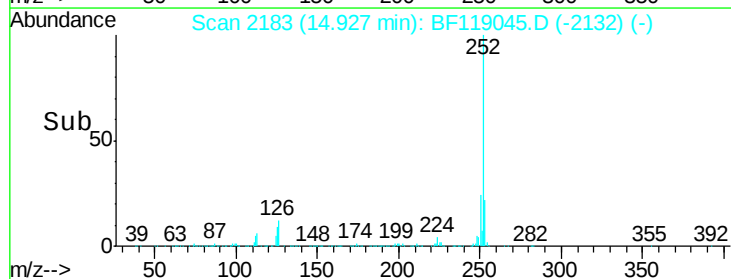
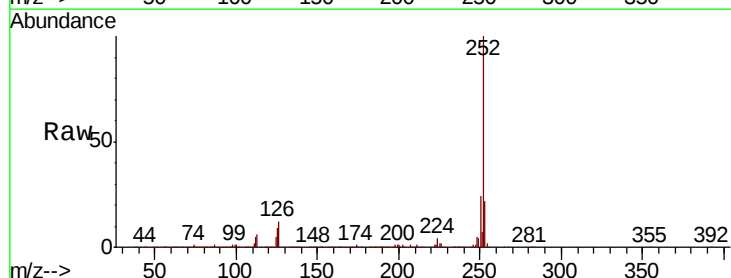
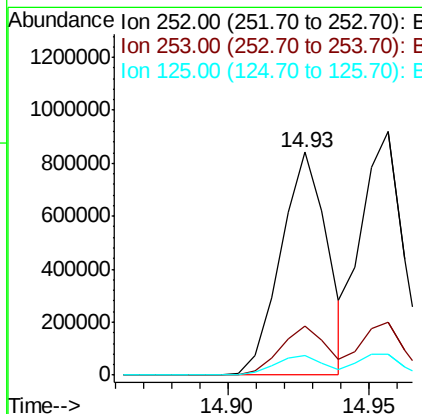
RT: 14.93 min Scan# 2183

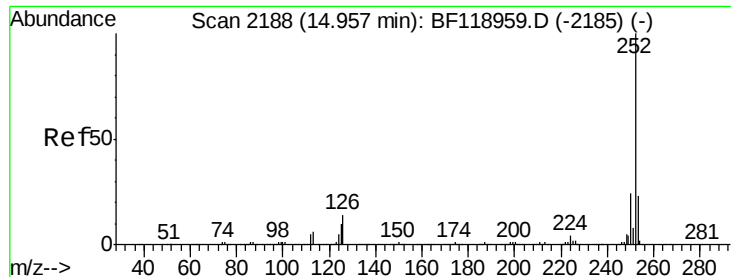
Delta R.T. -0.00 min

Lab File: BF119045.D

Acq: 25 Feb 2020 2:52

Tgt Ion:	252	Resp:	965996
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.2	27.2
125	8.9	7.4	11.0





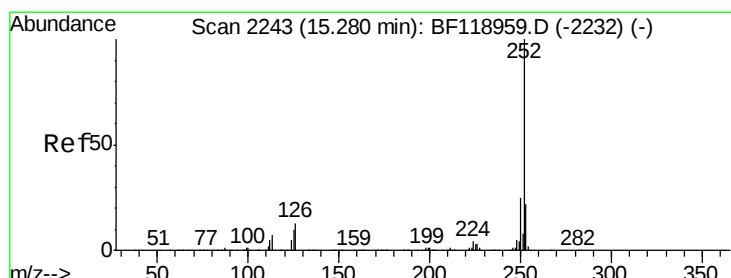
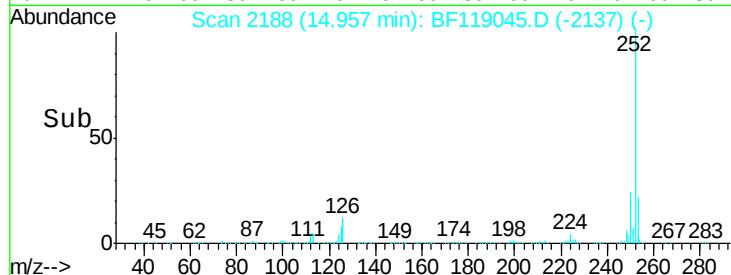
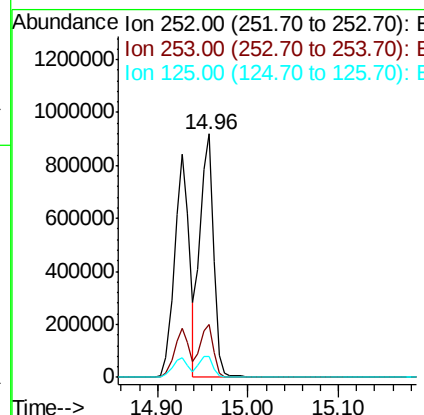
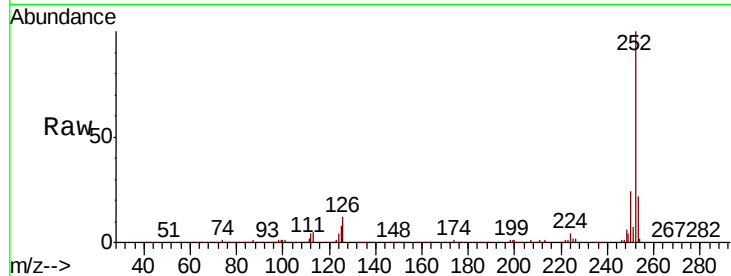
#89
Benzo(k)fluoranthene
Concen: 42.162 ng
RT: 14.96 min Scan# 2188
Delta R.T. -0.00 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	8.5	7.3	10.9

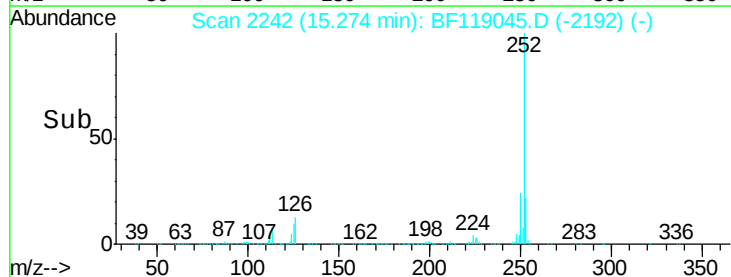
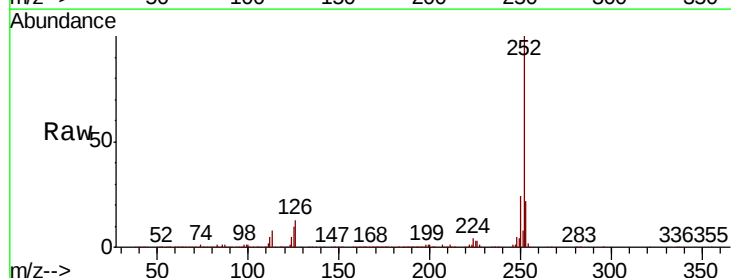
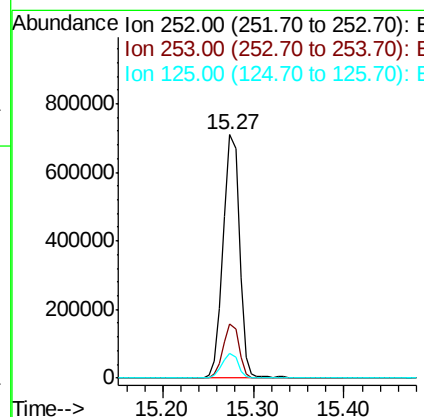
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#90
Benzo(a)pyrene
Concen: 40.434 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	10.4	7.8	11.6





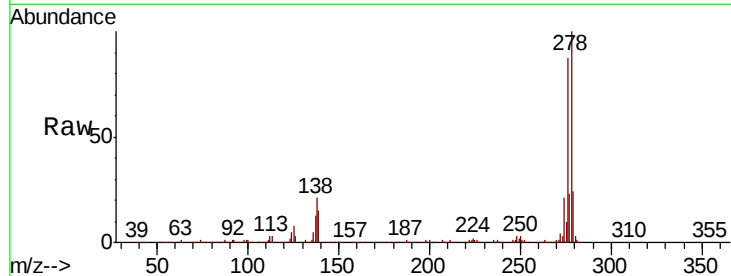
#91
Dibenzo(a,h)anthracene
Concen: 50.214 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.6	12.6	18.8
279	24.0	19.0	28.6

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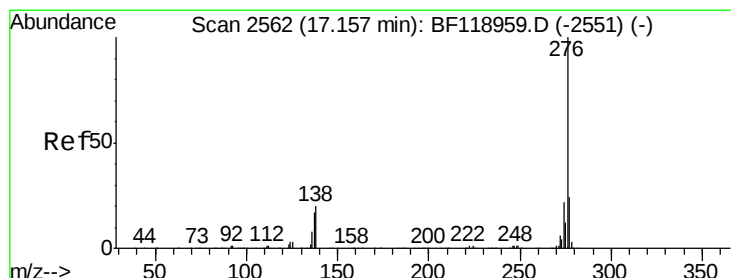
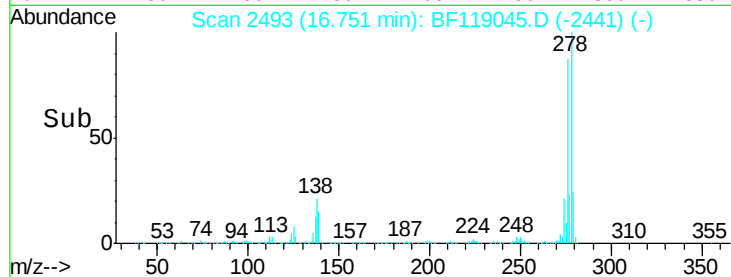
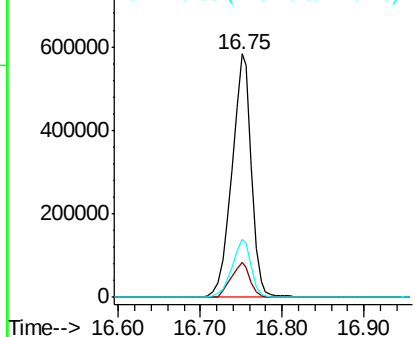


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 53.089 ng
RT: 17.17 min Scan# 2564
Delta R.T. 0.01 min
Lab File: BF119045.D
Acq: 25 Feb 2020 2:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	19.1	16.2	24.4

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

