

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040820\
 Data File : BF119847.D
 Acq On : 9 Apr 2020 2:05
 Operator : MA/SJ
 Sample : PB128072BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB128072BS

Manual Integrations
 APPROVED

mohammad
 4/10/2020 9:57:23 AM

Quant Time: Apr 09 03:32:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 01:21:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	150288	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	570585	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	287665	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	584678	20.00	ng	0.00
76) Chrysene-d12	13.94	240	474693	20.00	ng	0.00
87) Perylene-d12	15.37	264	412436	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	1078398	124.01	ng	0.01
7) Phenol-d6	6.40	99	1366040	121.91	ng	0.00
23) Nitrobenzene-d5	7.33	82	832329	75.47	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	401245	113.93	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	1787099	88.20	ng	0.00
79) Terphenyl-d14	12.89	244	2167604	76.84	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.53	88	137387	35.470	ng	99
3) Pyridine	3.24	79	371554	34.963	ng	99
4) n-Nitrosodimethylamine	3.19	42	226492	41.713	ng	99
6) Aniline	6.43	93	330057	22.441	ng	99
8) 2-Chlorophenol	6.55	128	418482	43.069	ng	98
9) Benzaldehyde	6.31	77	177983	24.956	ng	96
10) Phenol	6.42	94	528904	41.604	ng	93
11) bis(2-Chloroethyl)ether	6.50	93	398035	40.551	ng	99
12) 1,3-Dichlorobenzene	6.70	146	427679	40.204	ng	97
13) 1,4-Dichlorobenzene	6.79	146	450358	41.561	ng	96
14) 1,2-Dichlorobenzene	6.94	146	409430	40.998	ng	97
15) Benzyl Alcohol	6.91	79	336429m	38.655	ng	
16) 2,2'-oxybis(1-Chloropropan	7.05	45	734038	38.430	ng	99
17) 2-Methylphenol	7.03	107	345939	39.895	ng	98
18) Hexachloroethane	7.28	117	161066	39.772	ng	93
19) n-Nitroso-di-n-propylamine	7.19	70	291181	40.409	ng	98
20) 3+4-Methylphenols	7.18	107	432036	40.738	ng	93
22) Acetophenone	7.17	105	567504	42.474	ng	95
24) Nitrobenzene	7.35	77	417394	37.620	ng	99
25) Isophorone	7.59	82	813970	38.284	ng	100
26) 2-Nitrophenol	7.67	139	231940	41.843	ng	94
27) 2,4-Dimethylphenol	7.71	122	366086	43.790	ng	99
28) bis(2-Chloroethoxy)methane	7.80	93	500917	40.038	ng	99
29) 2,4-Dichlorophenol	7.91	162	333769	38.950	ng	98
30) 1,2,4-Trichlorobenzene	7.99	180	381135	39.253	ng	100
31) Naphthalene	8.07	128	1175364	39.153	ng	99
32) Benzoic acid	7.83	122	277445	37.788	ng	99
33) 4-Chloroaniline	8.12	127	159367	12.194	ng	98
34) Hexachlorobutadiene	8.19	225	227496	39.141	ng	99
35) Caprolactam	8.49	113	111365m	42.485	ng	
36) 4-Chloro-3-methylphenol	8.62	107	401675	43.295	ng	96
37) 2-Methylnaphthalene	8.77	142	842326	41.386	ng	99
38) 1-Methylnaphthalene	8.87	142	763682	39.810	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.93	216	347668	38.265	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.92	237	442380	85.625	nq	98
43) 2,4,6-Trichlorophenol	9.05	196	270200	43.066	nq	97
44) 2,4,5-Trichlorophenol	9.09	196	305031	43.166	nq	98
46) 1,1'-Biphenyl	9.23	154	1065220	43.871	nq	99
47) 2-Chloronaphthalene	9.26	162	820451	43.864	nq	98
48) 2-Nitroaniline	9.35	65	292136	43.099	nq	96
49) Acenaphthylene	9.67	152	1223437	43.009	nq	99
50) Dimethylphthalate	9.54	163	926697	41.648	nq	99
51) 2,6-Dinitrotoluene	9.60	165	206416	42.364	nq	86
52) Acenaphthene	9.85	154	836451m	44.081	nq	
53) 3-Nitroaniline	9.76	138	97629	17.544	nq	92
54) 2,4-Dinitrophenol	9.87	184	243737	83.553	nq	95
55) Dibenzofuran	10.02	168	1090512	41.880	nq	100
56) 4-Nitrophenol	9.93	139	332134	80.215	nq	97
57) 2,4-Dinitrotoluene	10.00	165	263980	41.121	nq	95
58) Fluorene	10.36	166	828684	39.794	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.13	232	224054	41.457	nq	98
60) Diethylphthalate	10.24	149	920673	39.923	nq	99
61) 4-Chlorophenyl-phenylether	10.35	204	396202	37.121	nq	93
62) 4-Nitroaniline	10.38	138	202198	38.127	nq	95
63) Azobenzene	10.52	77	830843	40.201	nq	98
65) 4,6-Dinitro-2-methylphenol	10.41	198	159809	41.488	nq	88
66) n-Nitrosodiphenylamine	10.47	169	779958	40.111	nq	99
67) 4-Bromophenyl-phenylether	10.85	248	275597	37.903	nq	95
68) Hexachlorobenzene	10.91	284	284500	38.570	nq	96
69) Atrazine	11.00	200	231040	42.705	nq	98
70) Pentachlorophenol	11.10	266	343648	80.844	nq	98
71) Phenanthrene	11.32	178	1253084	40.270	nq	98
72) Anthracene	11.37	178	1321920	41.585	nq	99
73) Carbazole	11.53	167	1201341	39.963	nq	98
74) Di-n-butylphthalate	11.86	149	1560869	39.498	nq	99
75) Fluoranthene	12.51	202	1496479	44.571	nq	99
77) Benzidine	12.63	184	533711	33.261	nq	97
78) Pyrene	12.74	202	1522497	38.046	nq	100
80) Butylbenzylphthalate	13.36	149	639528	32.935	nq	100
81) Benzo(a)anthracene	13.93	228	1206246	38.627	nq	99
82) 3,3'-Dichlorobenzidine	13.89	252	268101	23.009	nq	98
83) Chrysene	13.97	228	1225871	38.634	nq	99
84) Bis(2-ethylhexyl)phthalate	13.93	149	940367	35.761	nq	99
85) Di-n-octyl phthalate	14.54	149	1556125	34.756	nq	100
86) Indeno(1,2,3-cd)pyrene	16.79	276	1009498	36.092	nq	100
88) Benzo(b)fluoranthene	14.96	252	1118384	37.695	nq	99
89) Benzo(k)fluoranthene	14.99	252	1132264	44.230	nq	99
90) Benzo(a)pyrene	15.32	252	987341	39.579	nq	99
91) Dibenzo(a,h)anthracene	16.81	278	853399	38.620	nq	100
92) Benzo(g,h,i)perylene	17.22	276	795228	36.458	nq	98

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

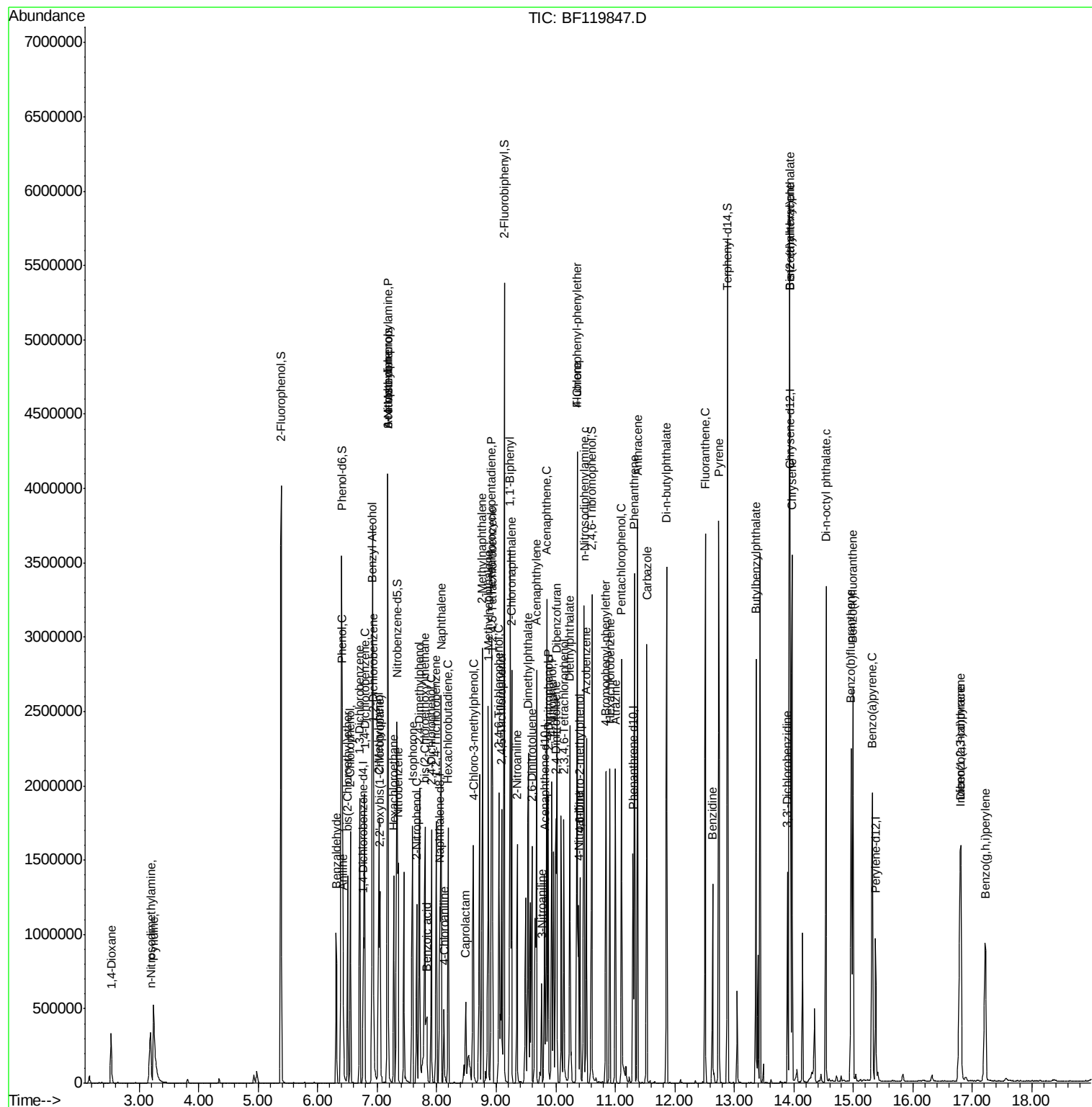
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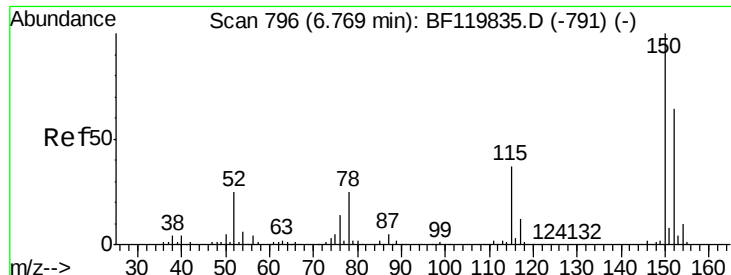
Instrument :
BNA_F
ClientSampleId :
PB128072BS

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#1

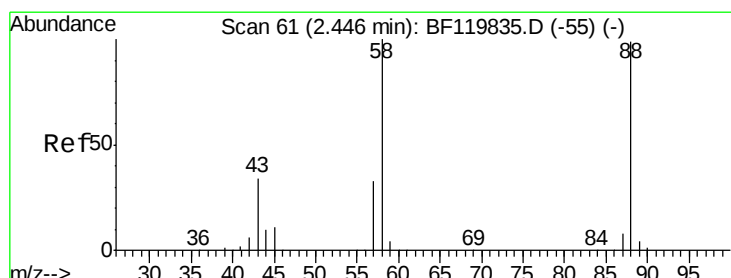
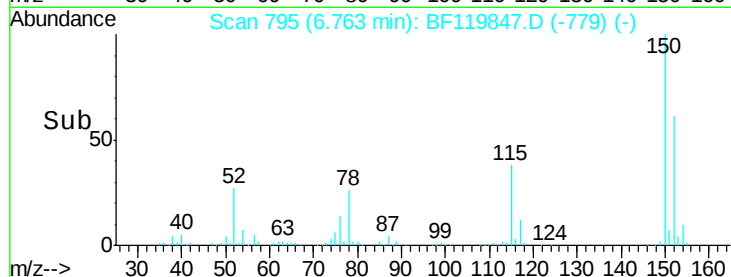
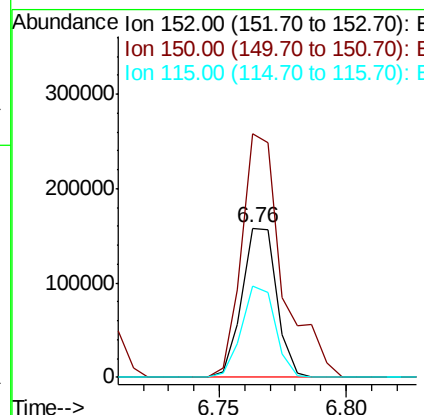
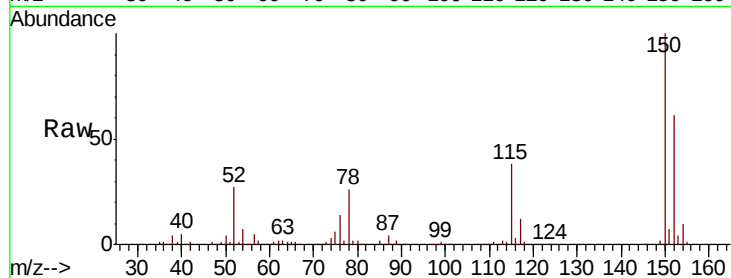
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.4	124.8	187.2
115	61.5	46.5	69.7

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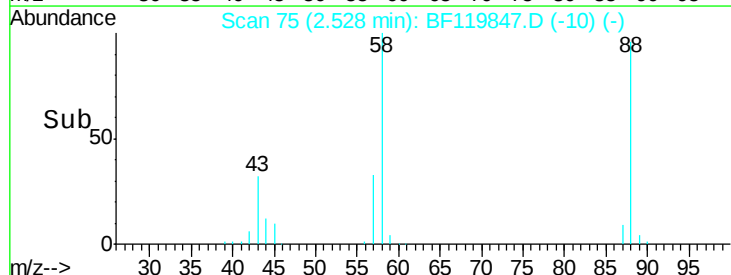
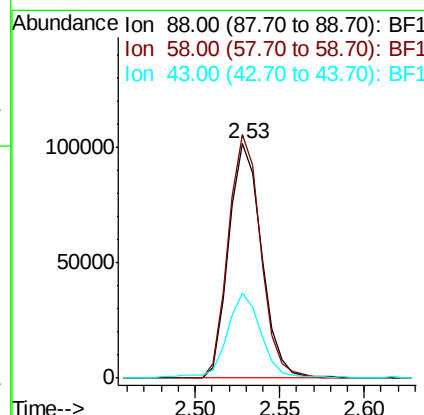
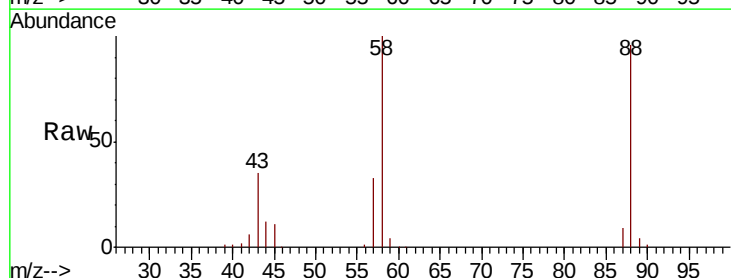
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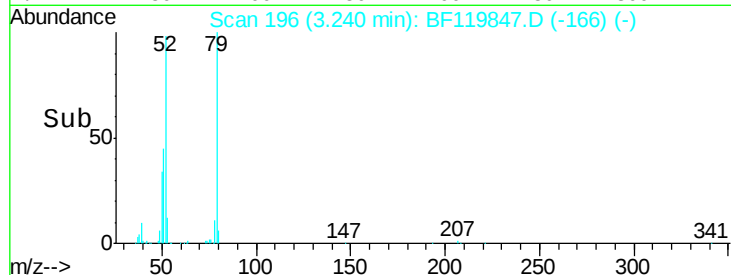
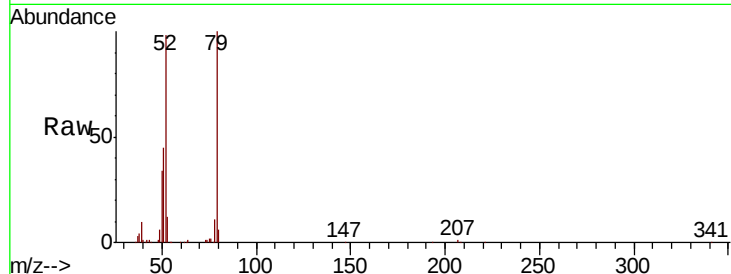
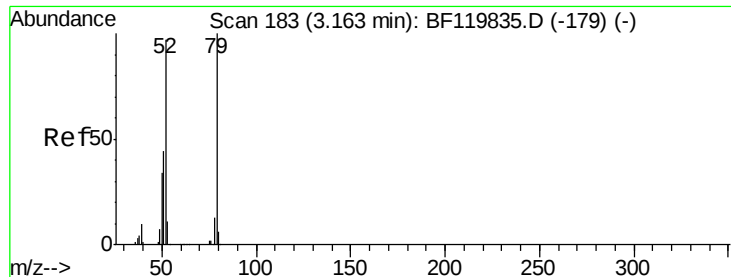


#2

1,4-Dioxane
Concen: 35.470 ng
RT: 2.53 min Scan# 75
Delta R.T. 0.08 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Lower	Upper
88	100		
58	102.7	82.6	123.8
43	38.1	28.6	42.8





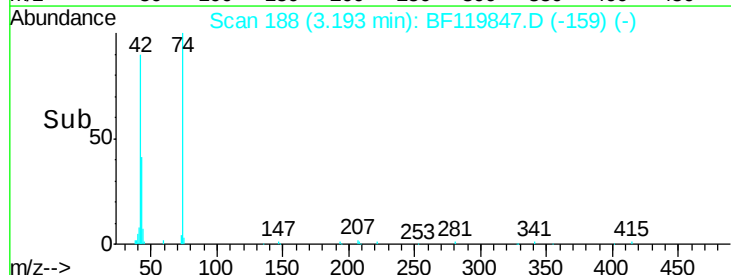
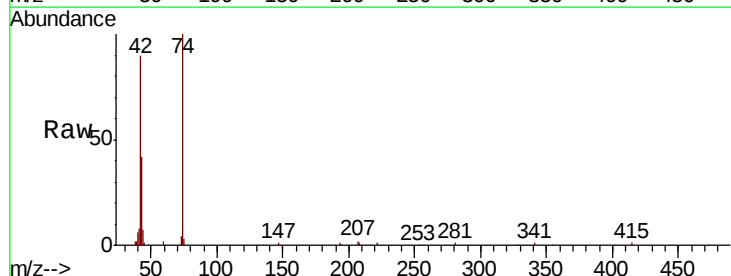
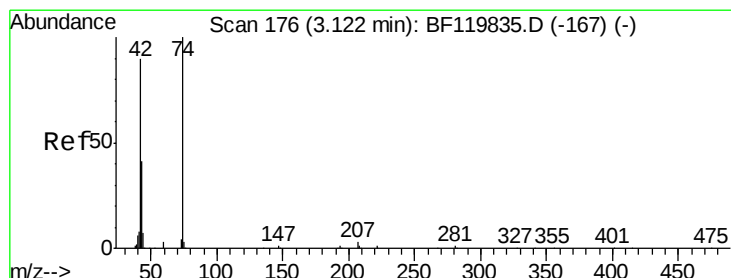
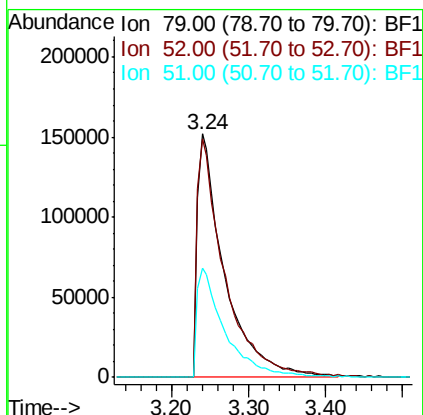
#3
 Pvridine
 Concen: 34.963 ng
 RT: 3.24 min Scan# 196
 Delta R.T. 0.08 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Tot Ion	Ratio	Lower	Upper
79	100		
52	98.0	77.4	116.0
51	45.1	35.3	52.9

Instrument :
 BNA_F
 ClientSampleId :
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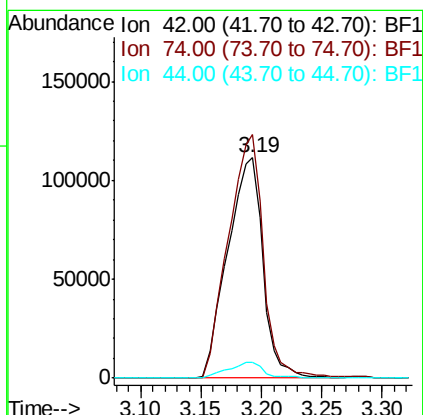
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#4
 n-Nitrosodimethylamine
 Concen: 41.713 ng
 RT: 3.19 min Scan# 188
 Delta R.T. 0.07 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Lower	Upper
42	100		
74	110.5	89.0	133.4
44	7.4	6.2	9.4





#5

2-Fluorophenol

Concen: 124.007 ng

RT: 5.39 min Scan# 561

Delta R.T. 0.01 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Instrument :

BNA_F

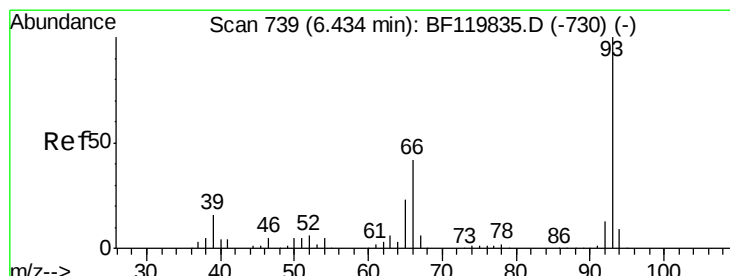
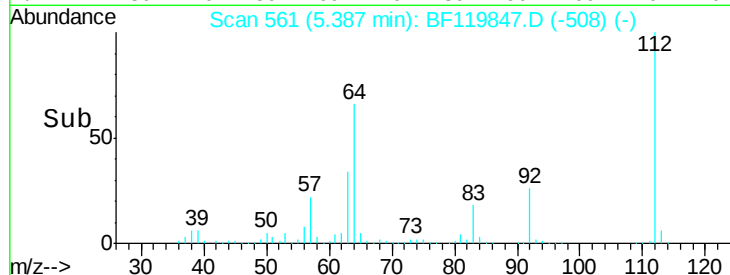
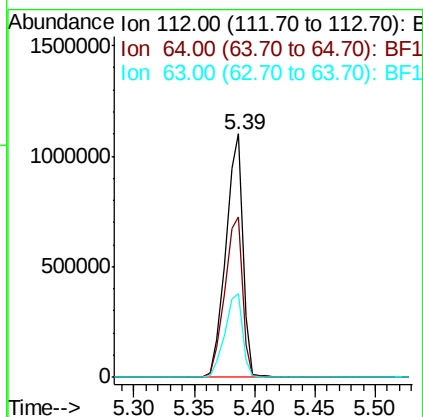
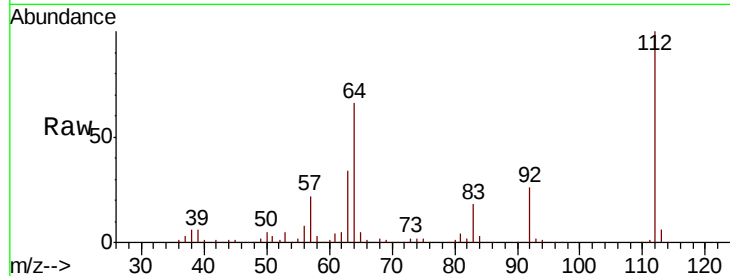
ClientSampleId :

PB128072BS

Tot Ion:	112	Resp:	1078398
Ion	Ratio	Lower	Upper
112	100		
64	66.1	55.5	83.3
63	34.3	29.1	43.7

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#6

Aniline

Concen: 22.441 ng

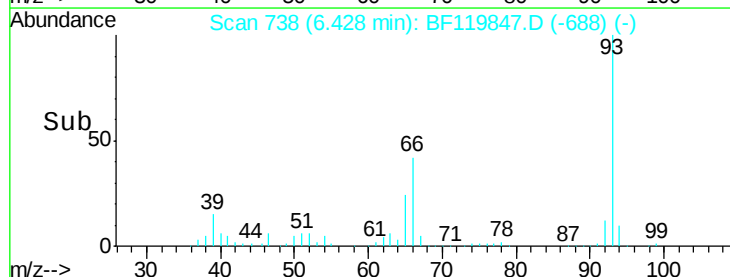
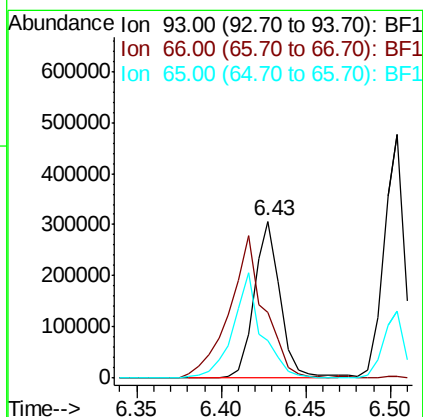
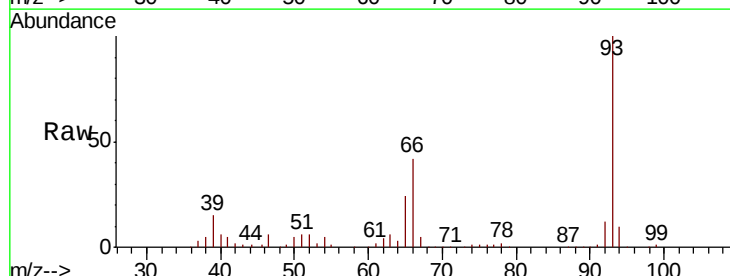
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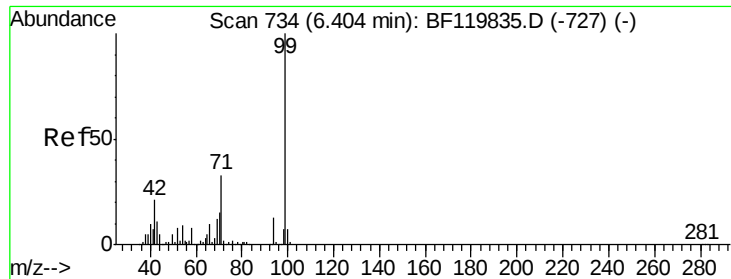
Delta R.T. -0.01 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Tgt Ion:	93	Resp:	330057
Ion	Ratio	Lower	Upper
93	100		
66	42.2	34.2	51.2
65	23.7	18.3	27.5





#7

Phenol-d6

Concen: 121.907 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Instrument :

BNA_F

ClientSampleId :

PB128072BS

Tot Ion: 99 Resp: 1366040

Ion Ratio Lower Upper

99 100

42 20.2 16.9 25.3

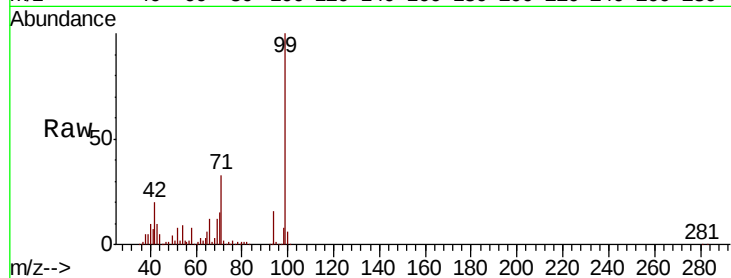
71 33.1 26.3 39.5

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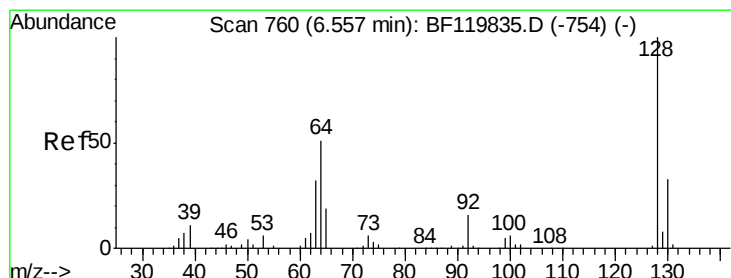
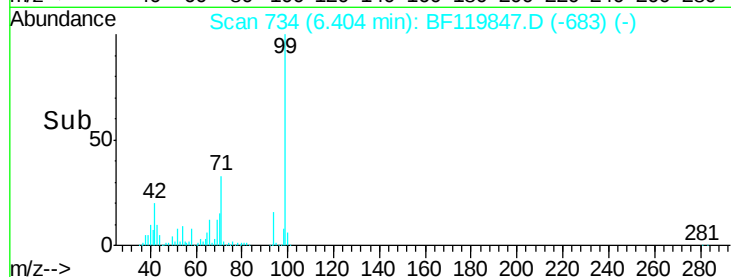
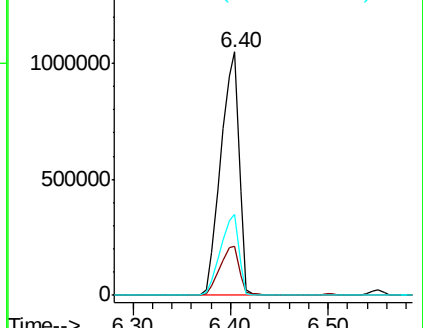
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 43.069 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

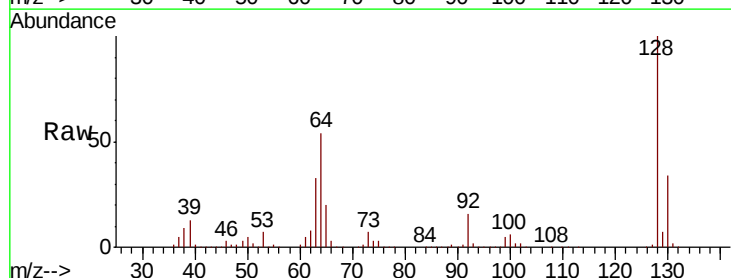
Tgt Ion:128 Resp: 418482

Ion Ratio Lower Upper

128 100

130 33.9 12.6 52.6

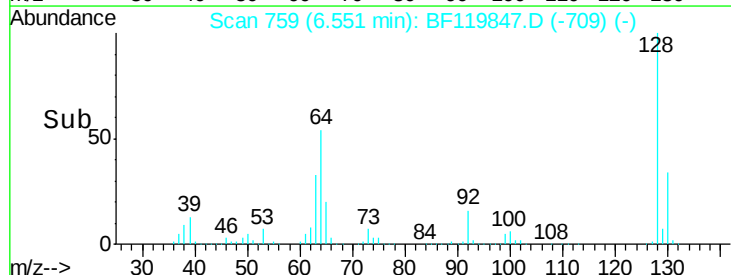
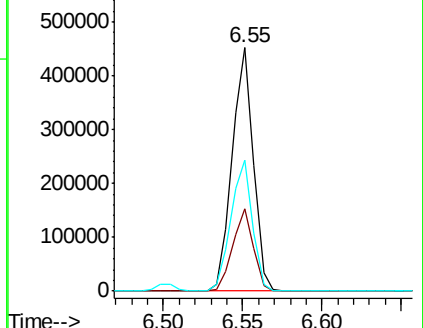
64 53.6 32.0 72.0

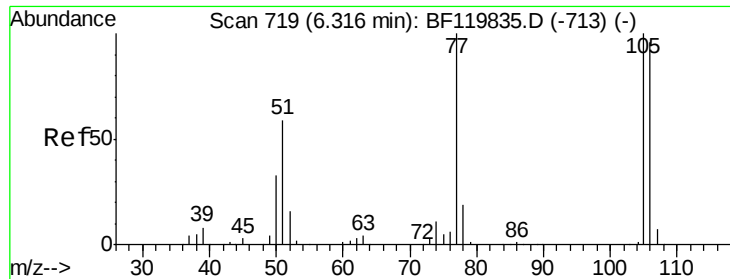


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 24.956 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Instrument :

BNA_F

ClientSampleId :

PB128072BS

Tot Ion: 77 Resp: 177983

Ion Ratio Lower Upper

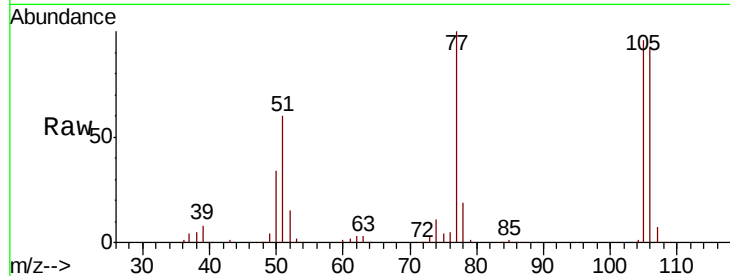
77 100

105 96.0 79.9 119.9

106 92.4 76.4 116.4

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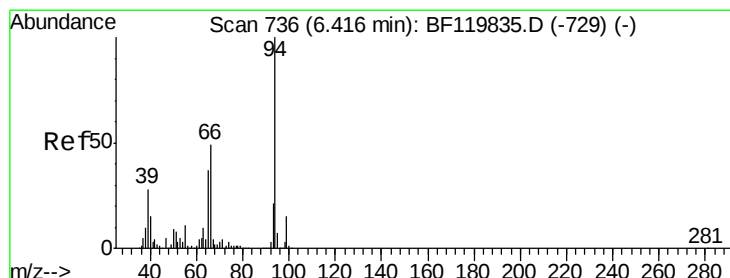
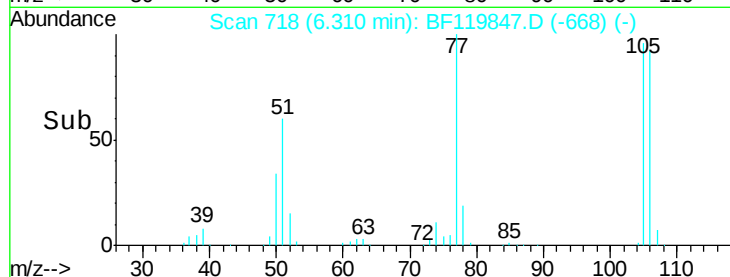
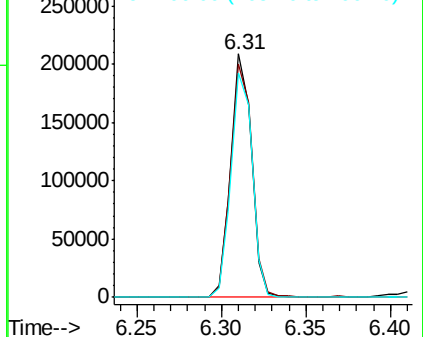
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Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 41.604 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

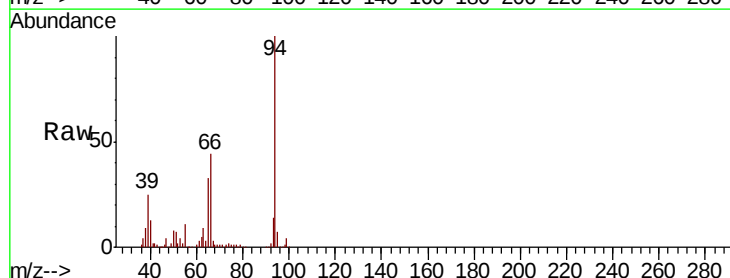
Tgt Ion: 94 Resp: 528904

Ion Ratio Lower Upper

94 100

65 32.7 16.6 56.6

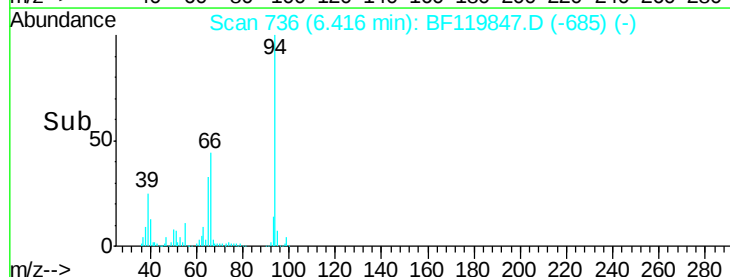
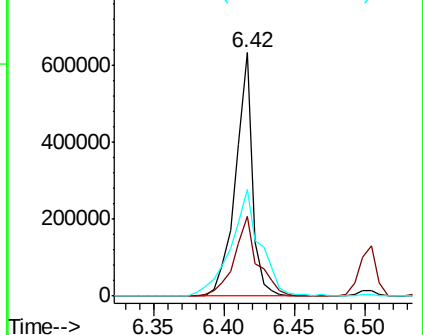
66 43.9 29.3 69.3

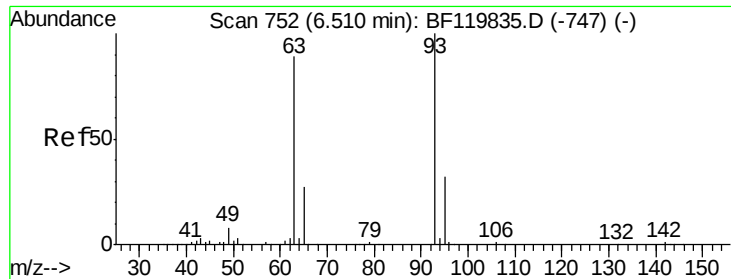


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





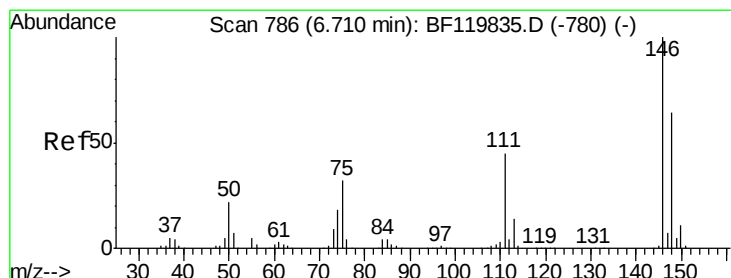
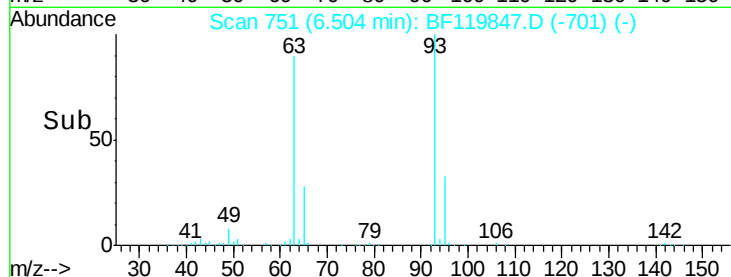
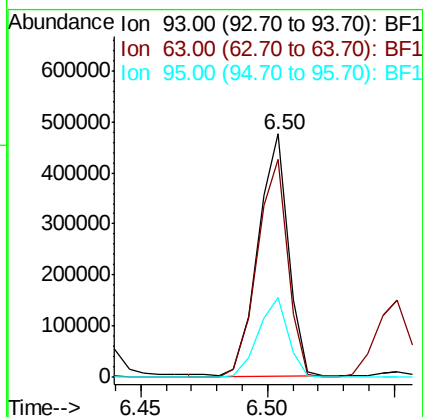
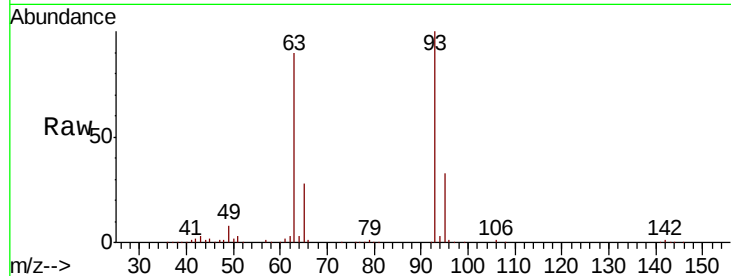
#11
bis(2-Chloroethyl)ether
Concen: 40.551 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	89.7	69.1	109.1
95	32.6	12.3	52.3

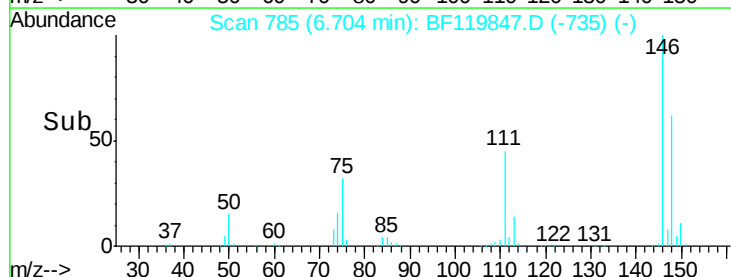
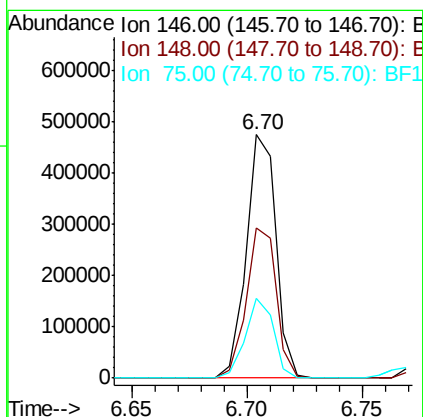
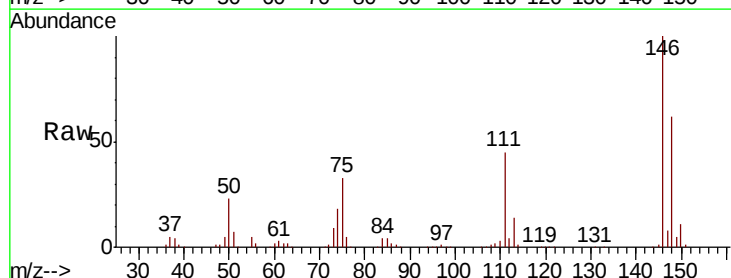
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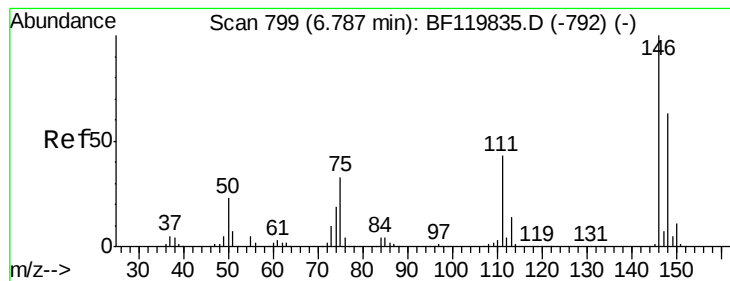
mohammad
4/10/2020 9:57:23 AM



#12
1,3-Dichlorobenzene
Concen: 40.204 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.6	51.3	76.9
75	33.0	25.3	37.9





#13

1,4-Dichlorobenzene

Concen: 41.561 ng

RT: 6.79 min Scan# 799

Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Instrument :

BNA_F

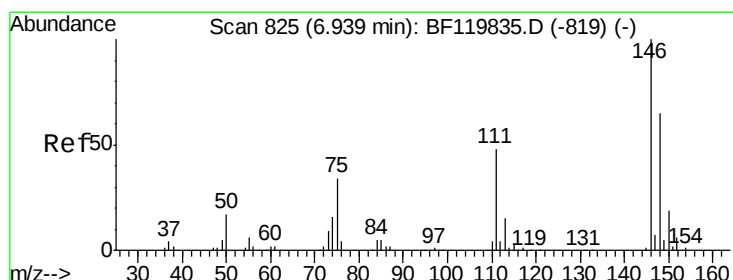
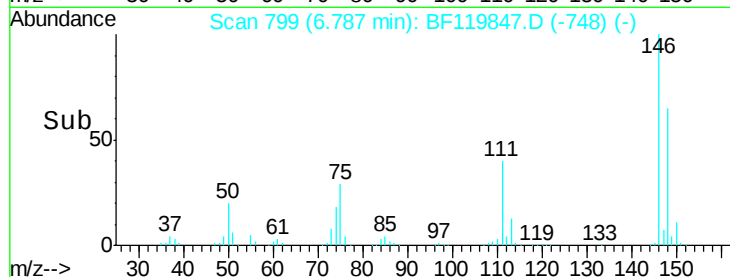
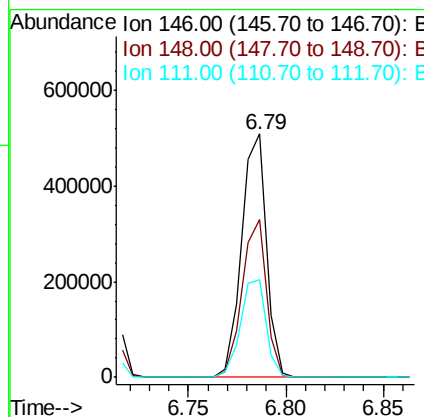
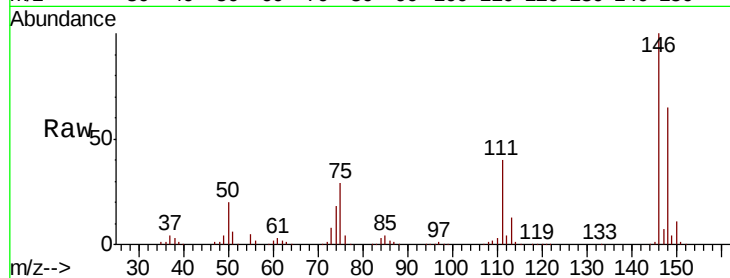
ClientSampleId :

PB128072BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.1	50.5	75.7
111	40.0	34.7	52.1

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#14

1,2-Dichlorobenzene

Concen: 40.998 ng

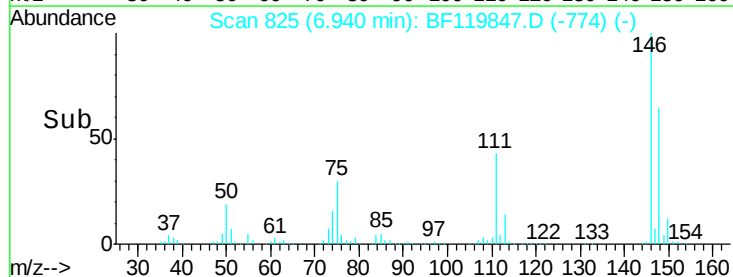
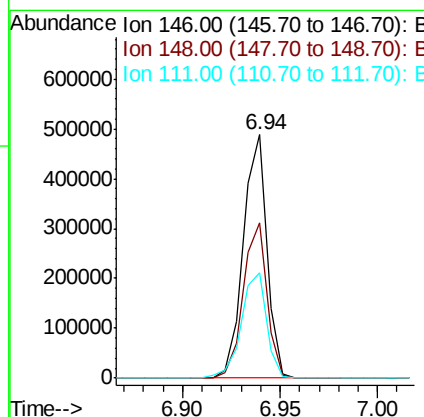
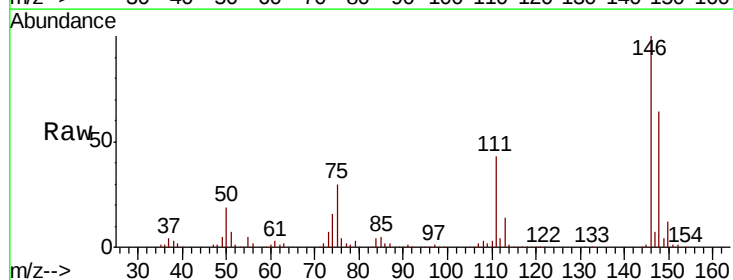
RT: 6.94 min Scan# 825

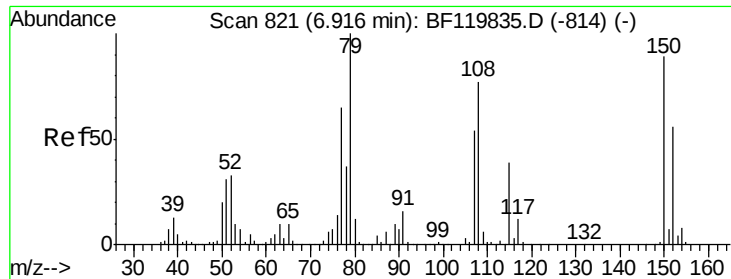
Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.8	77.8
111	43.3	38.0	57.0





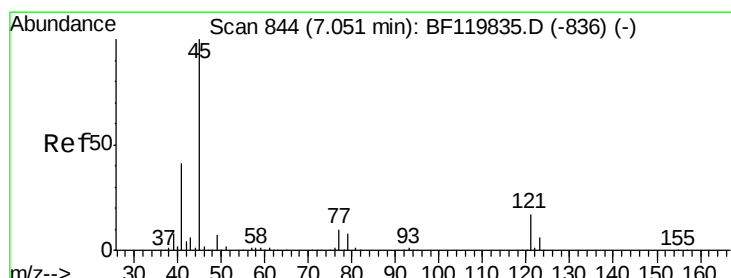
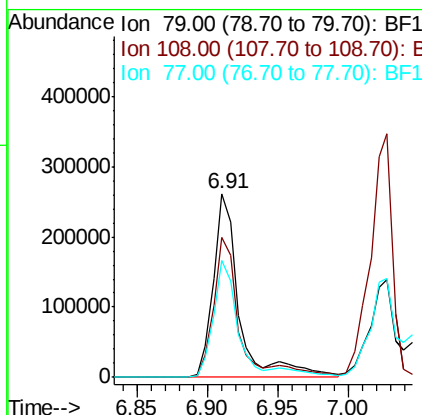
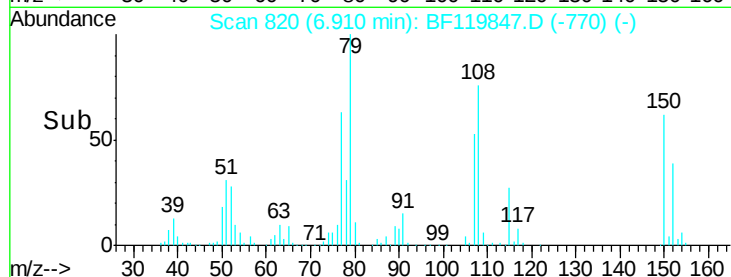
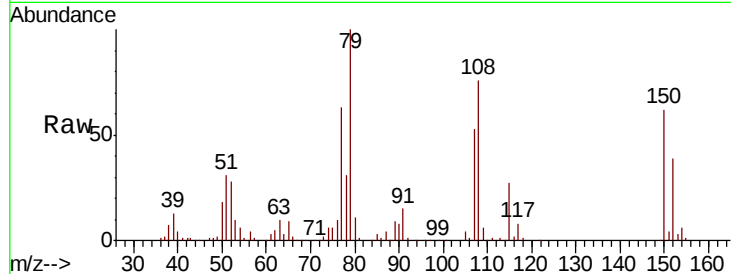
#15
Benzyl Alcohol
Concen: 38.655 ng/ml
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleID :
PB128072BS

Tot Ion: 79 Resp: 336429
Ion Ratio Lower Upper
79 100
108 75.9 62.0 93.0
77 63.4 51.8 77.6

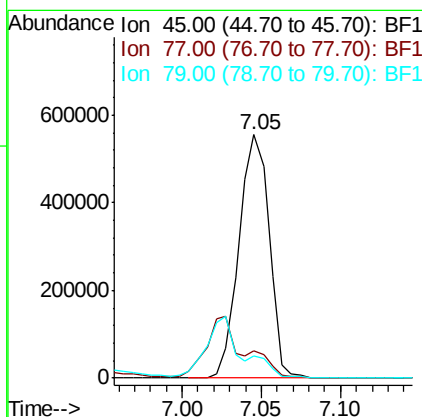
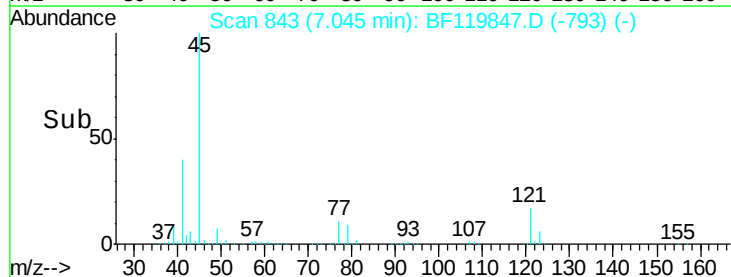
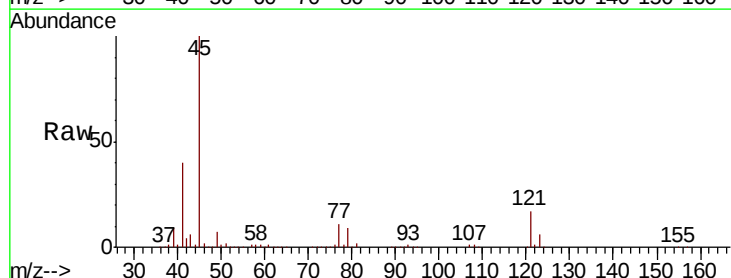
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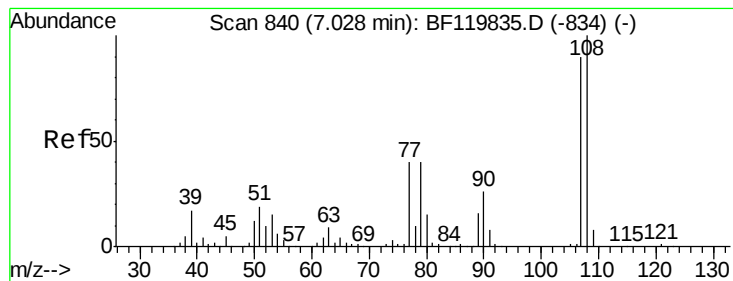
mohammad
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#16
2,2'-oxybis(1-chloropropane)
Concen: 38.430 ng
RT: 7.05 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion: 45 Resp: 734038
Ion Ratio Lower Upper
45 100
77 11.1 0.0 30.7
79 8.9 0.0 28.6





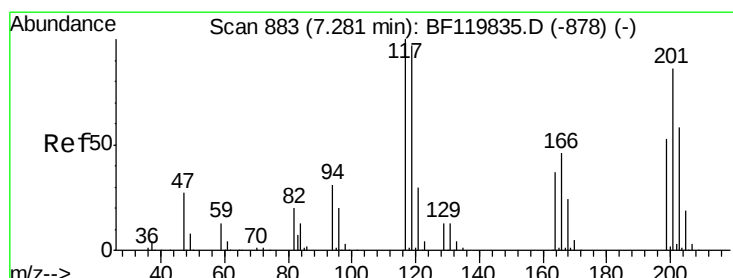
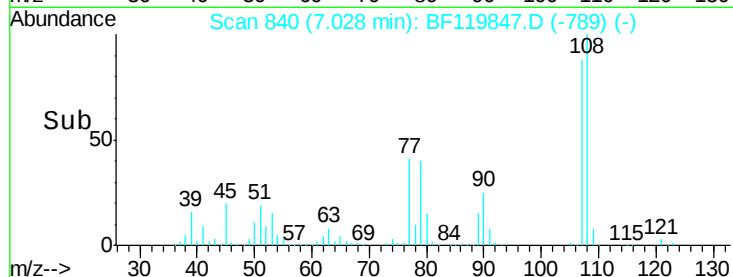
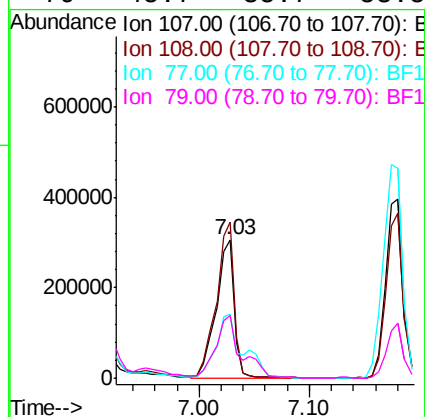
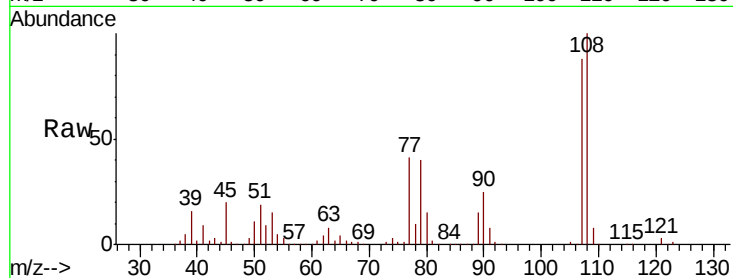
#17
2-Methylphenol
Concen: 39.895 ng
RT: 7.03 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.3	88.8	133.2	
77	45.9	36.0	54.0	
79	45.7	35.7	53.5	

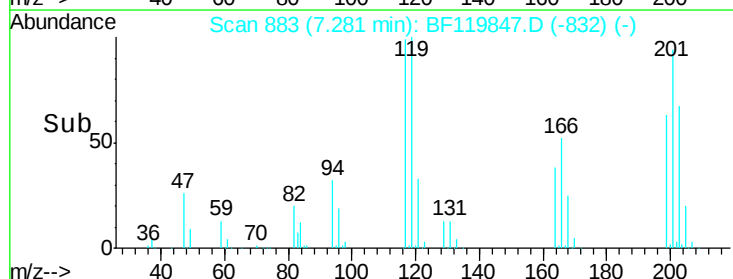
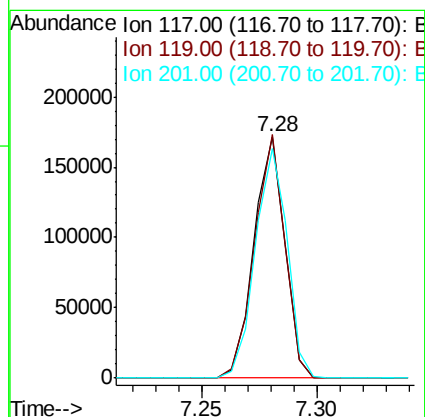
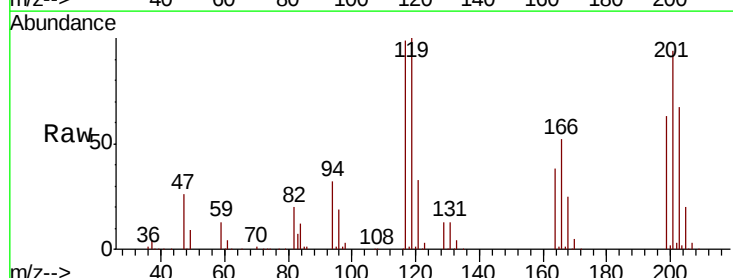
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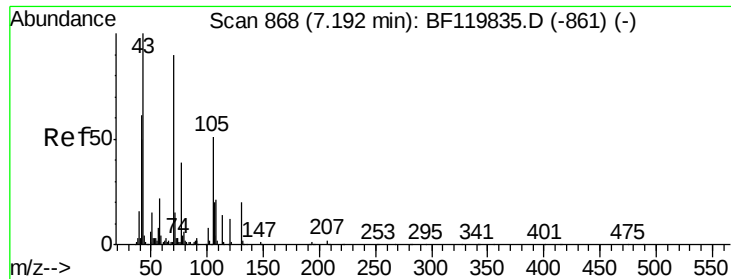
mohammad
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#18
Hexachloroethane
Concen: 39.772 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	100.7	77.4	116.0	
201	95.2	68.4	102.6	





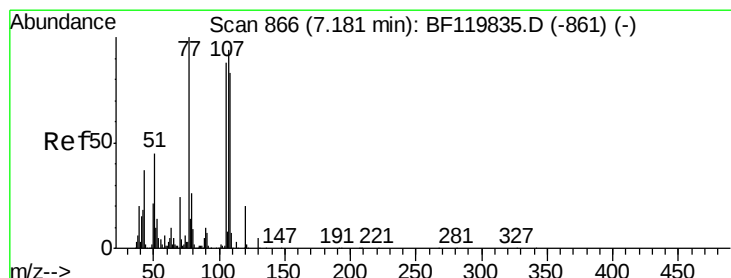
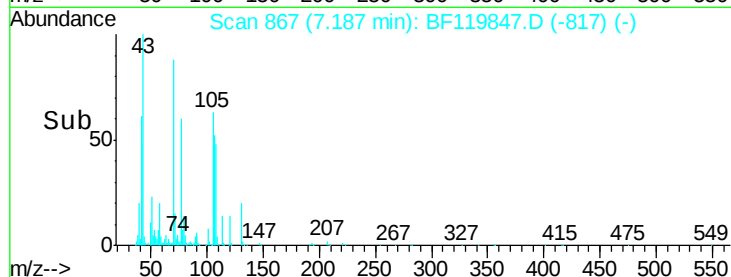
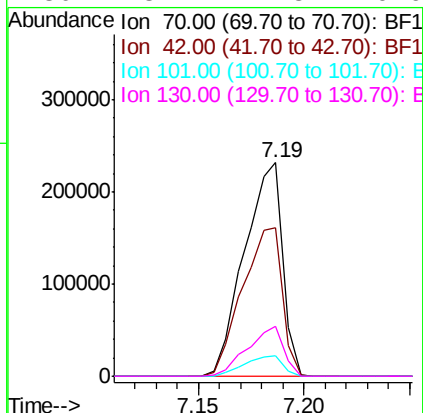
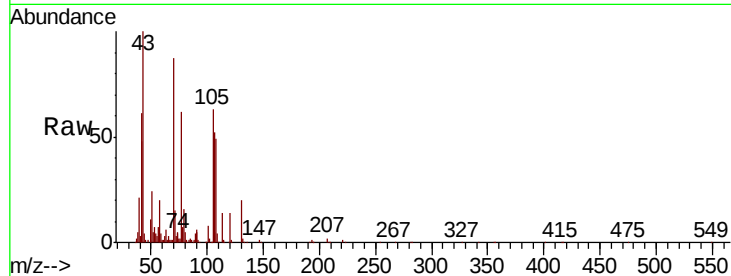
#19
n-Nitroso-di-n-propylamine
Concen: 40.409 ng
RT: 7.19 min Scan# 867
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	69.5	54.2	81.4
101	9.7	7.4	11.2
130	23.2	17.8	26.6

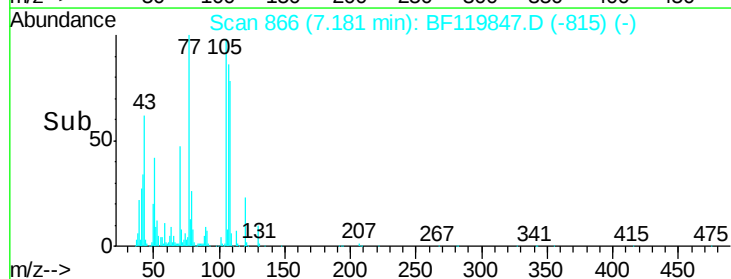
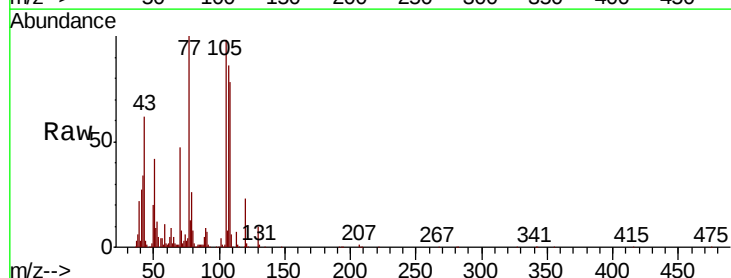
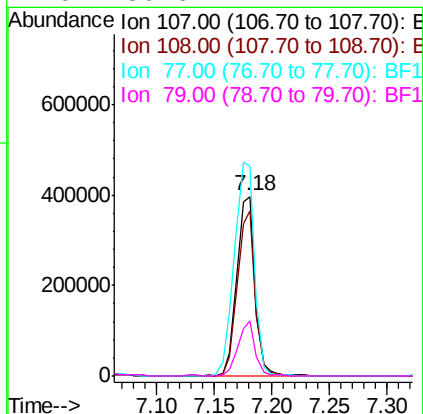
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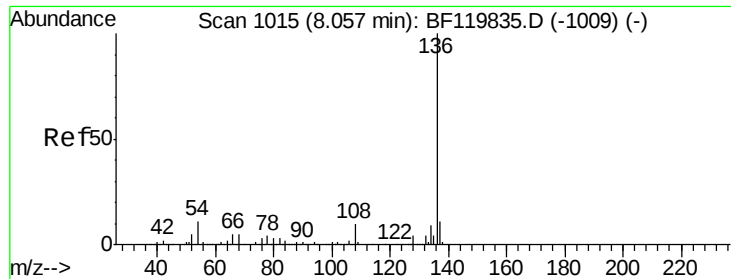
mohammad
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#20
3+4-Methylphenols
Concen: 40.738 ng
RT: 7.18 min Scan# 866
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.7	68.2	108.2
77	116.9	86.6	126.6
79	30.6	7.7	47.7





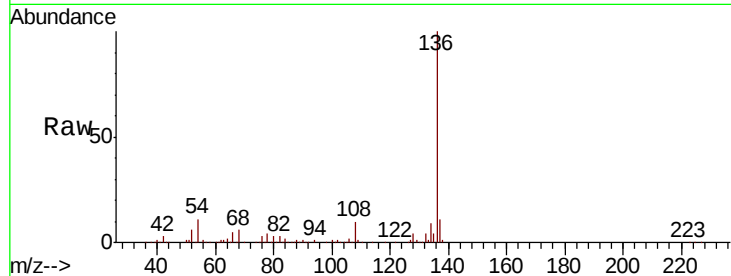
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	570585		
137	11.4	8.7	13.1	
54	10.6	8.5	12.7	
68	5.6	3.9	5.9	

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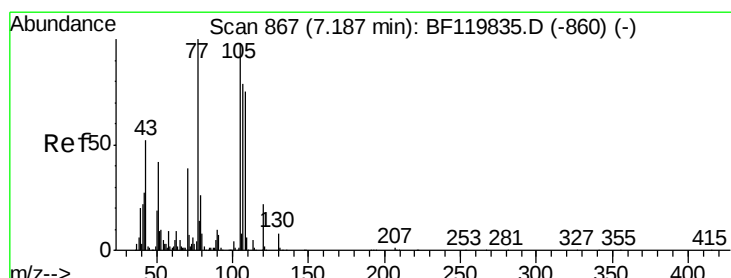
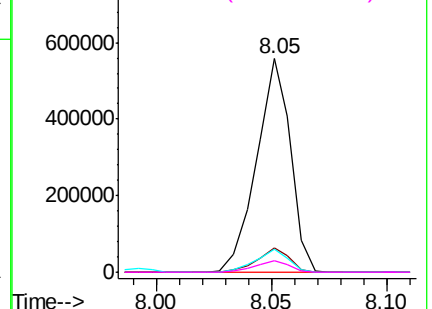
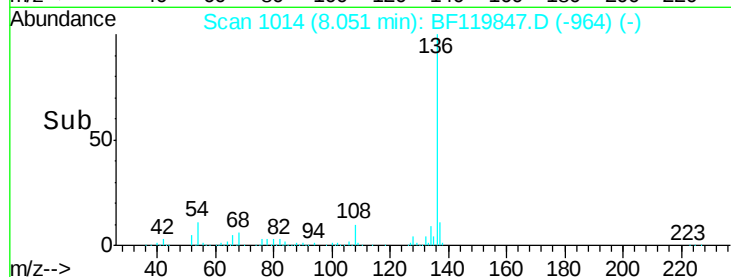
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

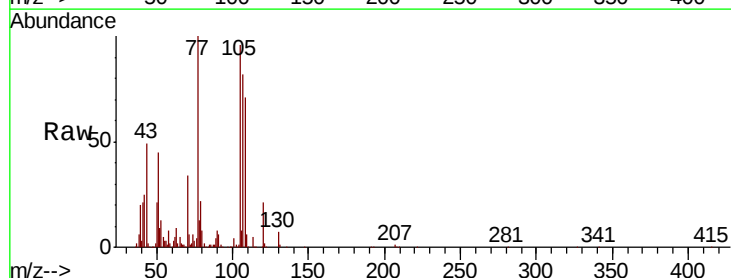
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 42.474 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	567504		
71	5.8	5.6	8.4	
51	47.0	33.9	50.9	
120	21.6	17.8	26.8	



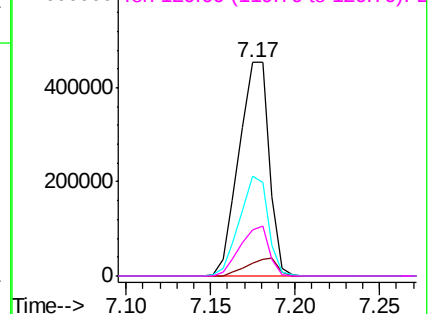
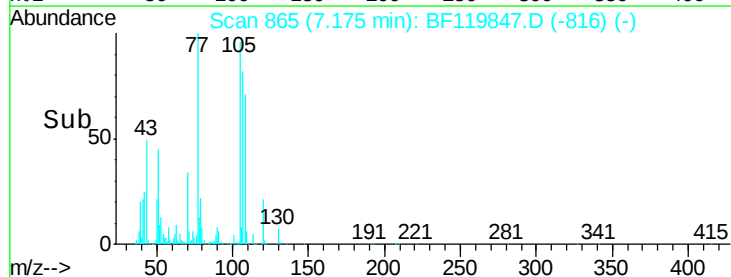
Abundance

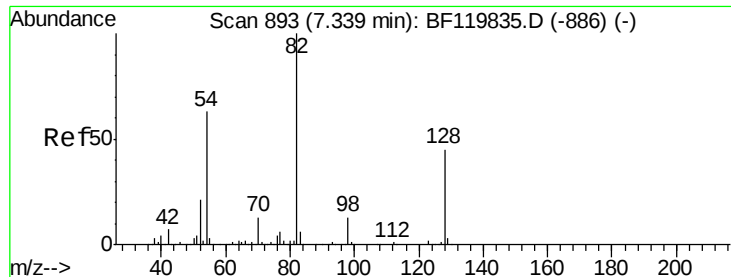
Ion 105.00 (104.70 to 105.70): E

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





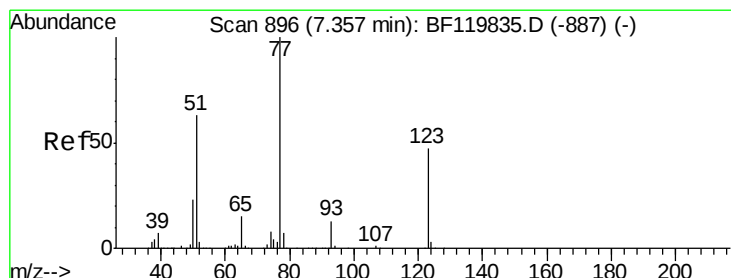
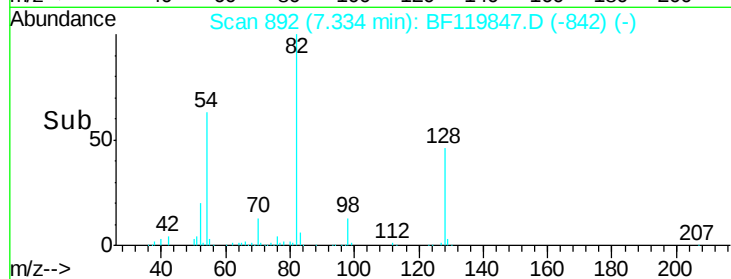
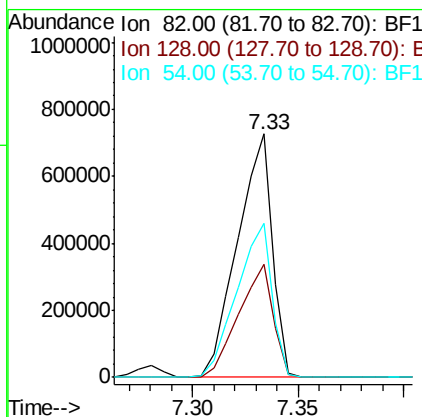
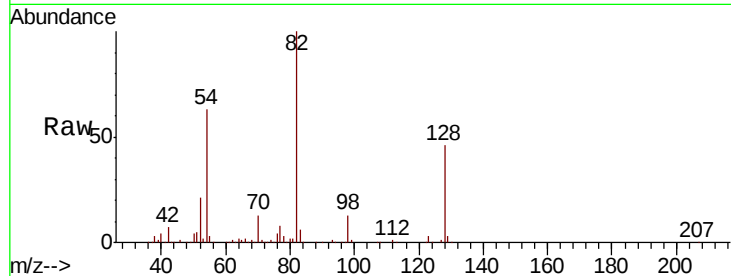
#23
 Nitrobenzene-d5
 Concen: 75.465 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Instrument :
 BNA_F
 ClientSampleId :
 PB128072BS

Tot Ion:	82	Resp:	832329
Ion Ratio	Lower	Upper	
82	100		
128	46.3	36.2	54.4
54	63.1	50.4	75.6

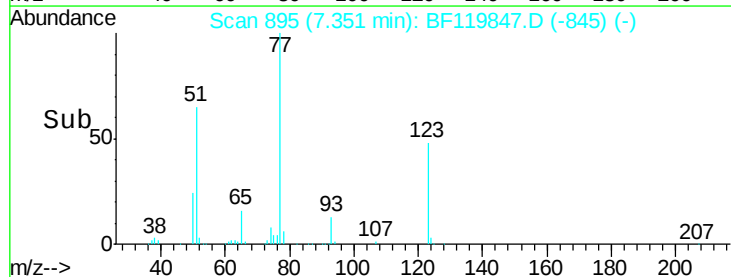
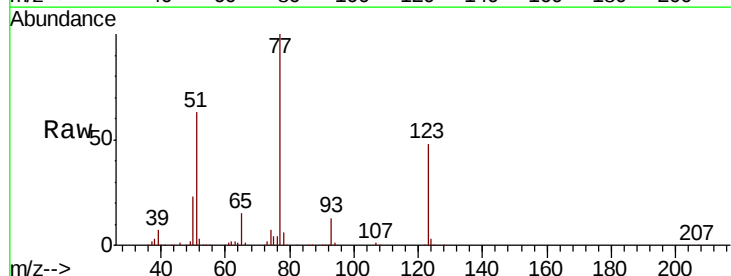
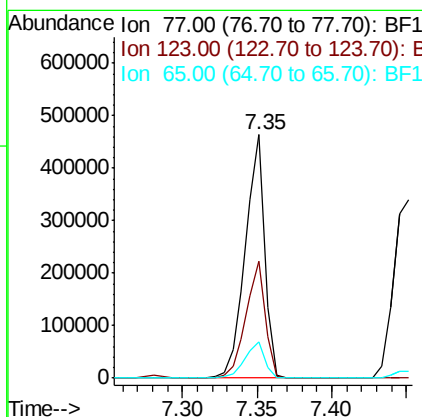
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#24
 Nitrobenzene
 Concen: 37.620 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Tgt Ion:	77	Resp:	417394
Ion Ratio	Lower	Upper	
77	100		
123	48.0	37.8	56.8
65	15.0	12.2	18.2





#25

Isophorone

Concen: 38.284 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Instrument :

BNA_F

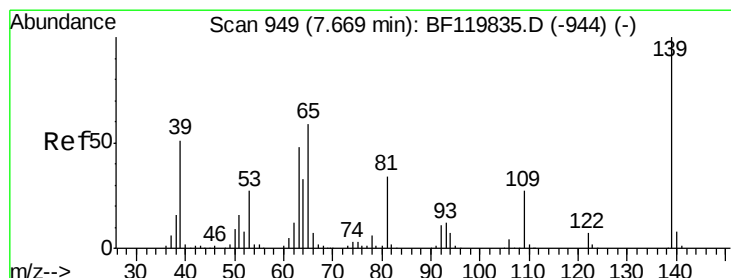
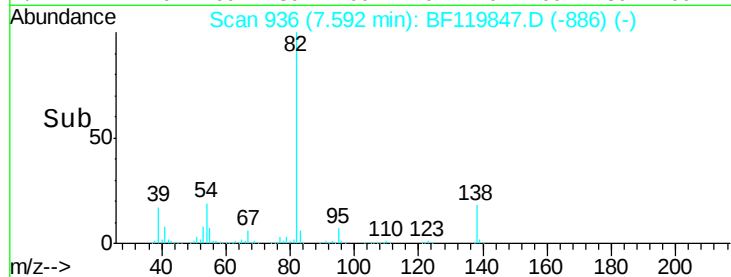
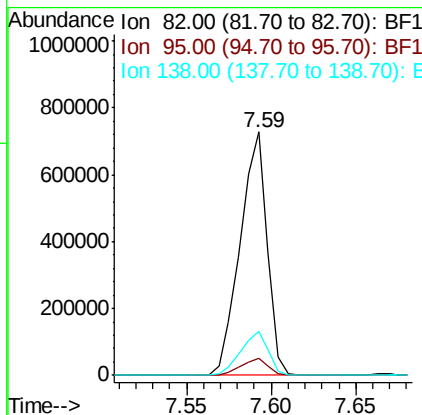
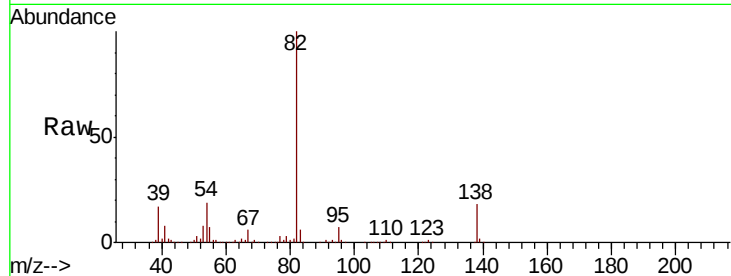
ClientSampleId :

PB128072BS

Tot Ion:	82	Resp:	813970
Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.6
138	18.0	14.5	21.7

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#26

2-Nitrophenol

Concen: 41.843 ng

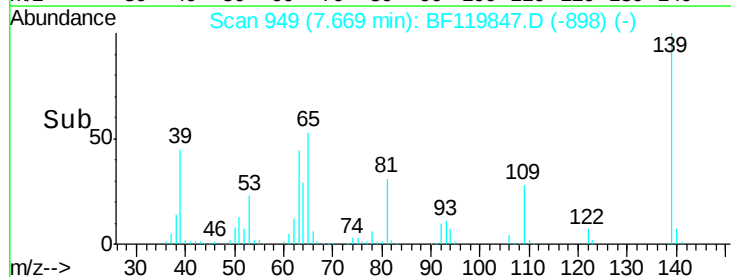
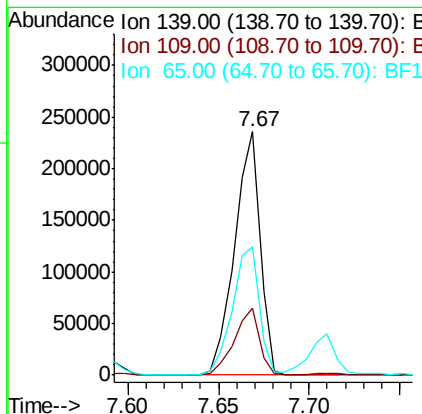
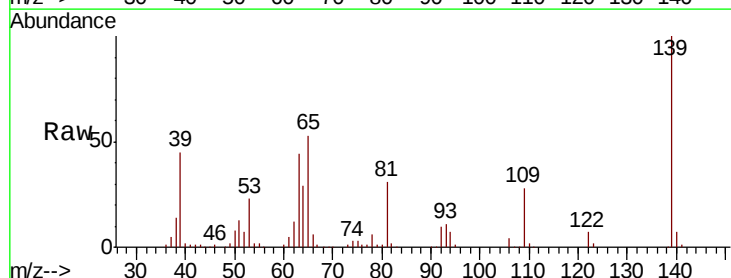
RT: 7.67 min Scan# 949

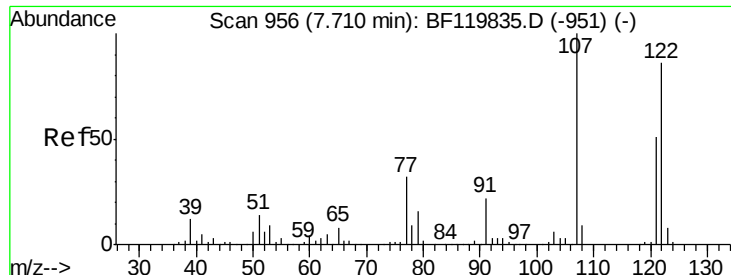
Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Tgt Ion:	139	Resp:	231940
Ion	Ratio	Lower	Upper
139	100		
109	27.6	21.8	32.6
65	52.7	47.0	70.4





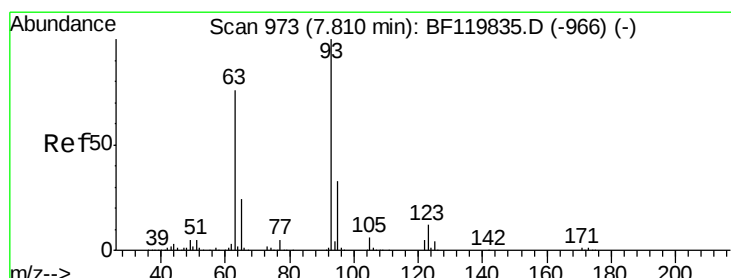
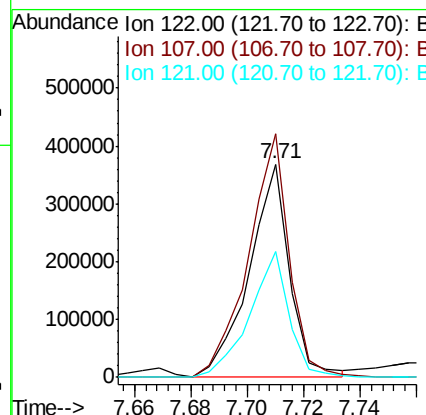
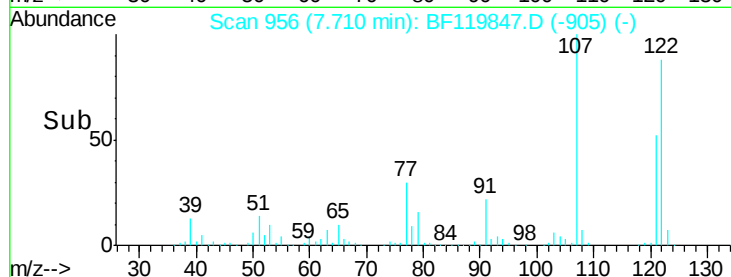
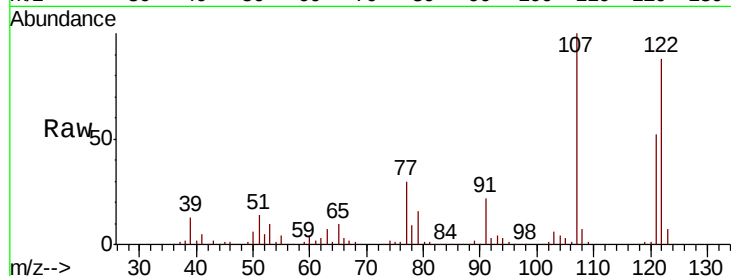
#27
 2,4-Dimethylphenol
 Concen: 43.790 ng
 RT: 7.71 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Instrument :
 BNA_F
 ClientSampled :
 PB128072BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	114.0	92.3	138.5
121	59.0	46.6	70.0

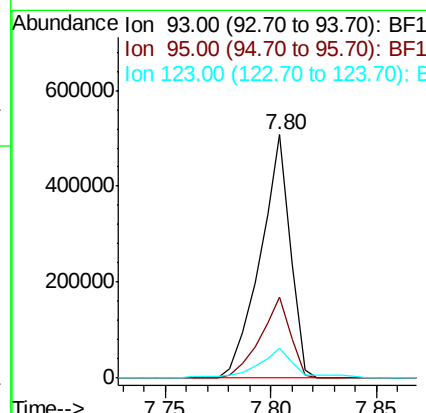
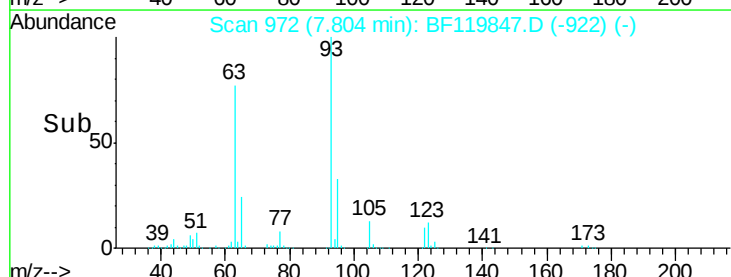
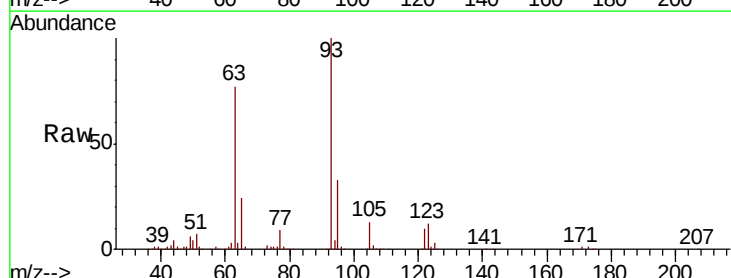
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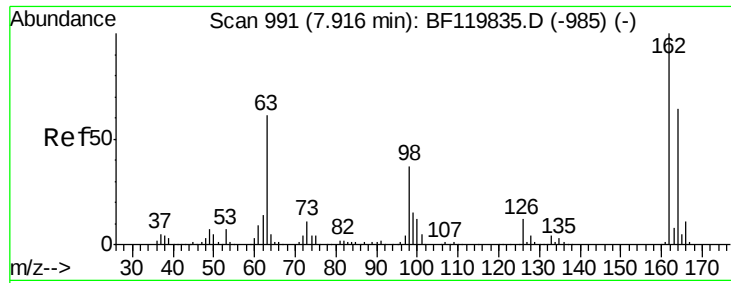
mohammad
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#28
 bis(2-Chloroethoxy)methane
 Concen: 40.038 ng
 RT: 7.80 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.4	26.4	39.6
123	12.3	9.7	14.5





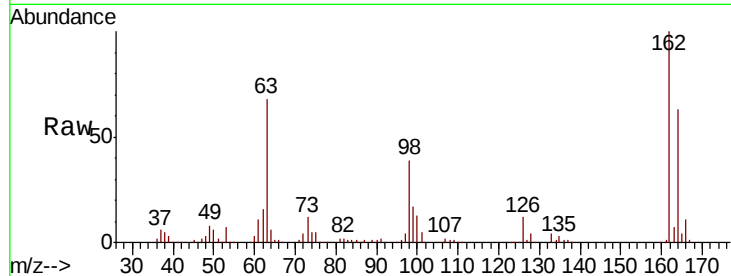
#29
2,4-Dichlorophenol
Concen: 38.950 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		333769		
164	62.8	44.4		84.4	
98	39.2	17.3		57.3	

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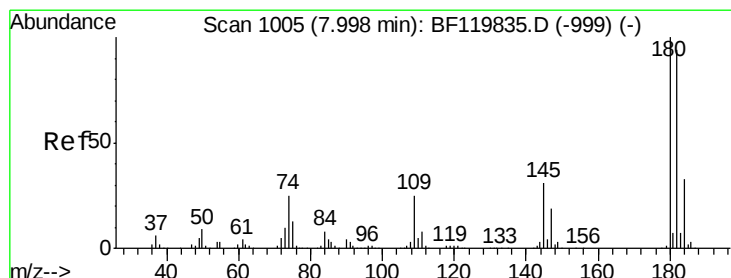
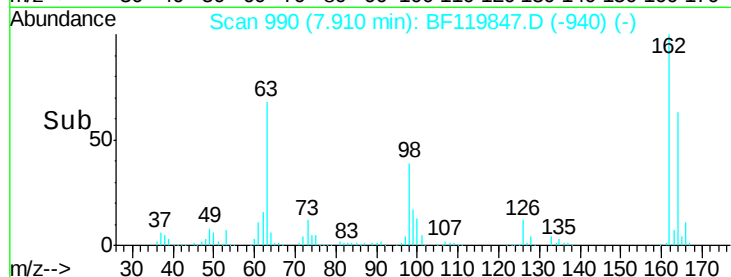
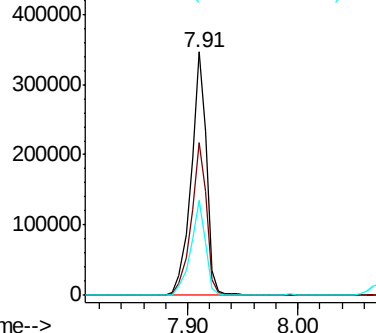


Abundance

Ion 162.00 (161.70 to 162.70): E

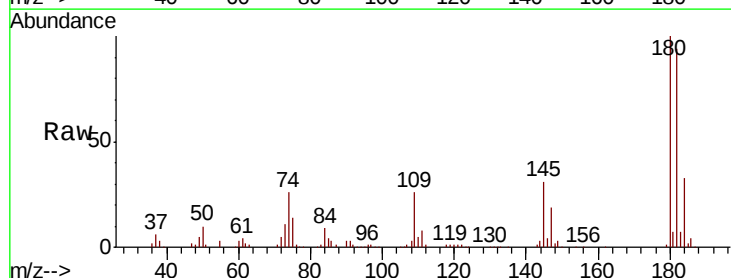
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 39.253 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		381135		
182	94.2	75.4		113.0	
145	30.8	24.6		37.0	

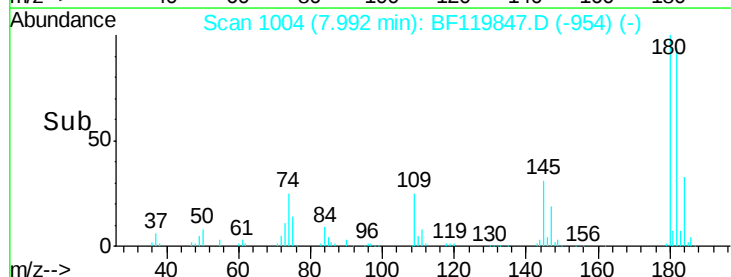
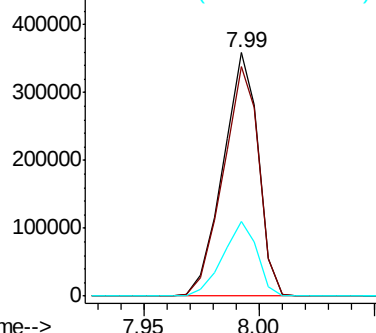


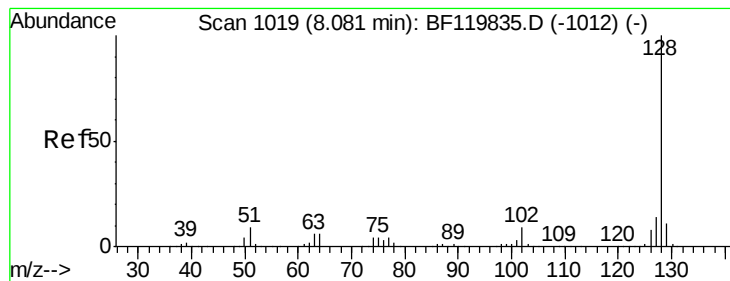
Abundance

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: 39.153 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Instrument :

BNA_F

ClientSampleId :

PB128072BS

Tot Ion:128 Resp: 1175364

Ion Ratio Lower Upper

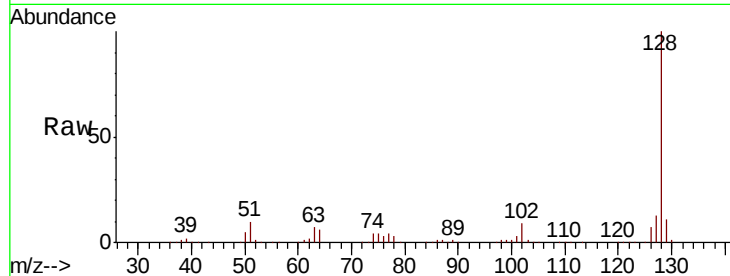
128 100

129 11.4 9.0 13.6

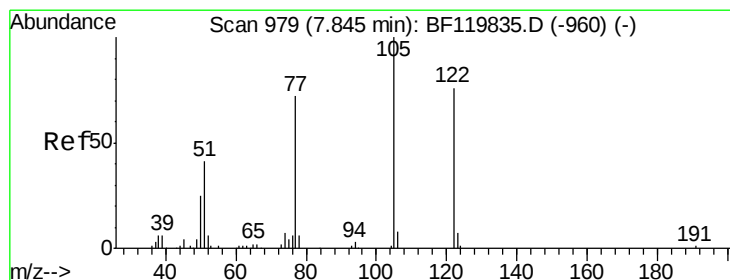
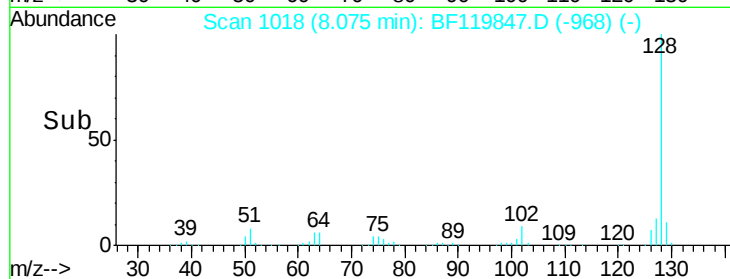
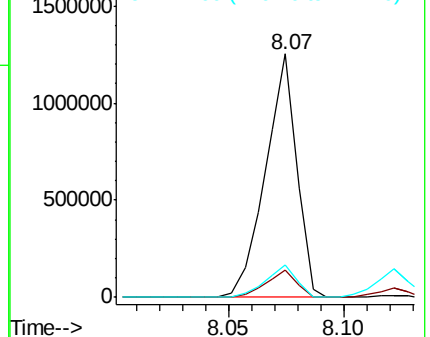
127 13.3 11.0 16.4

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



#32

Benzoic acid

Concen: 37.788 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

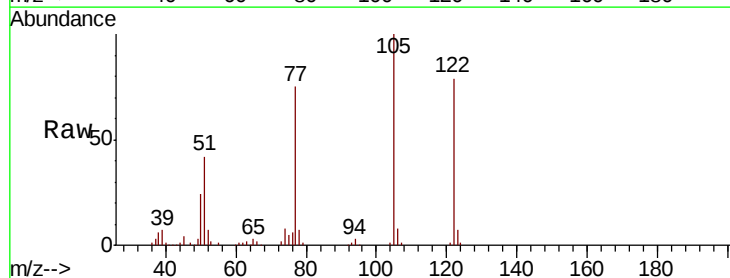
Tgt Ion:122 Resp: 277445

Ion Ratio Lower Upper

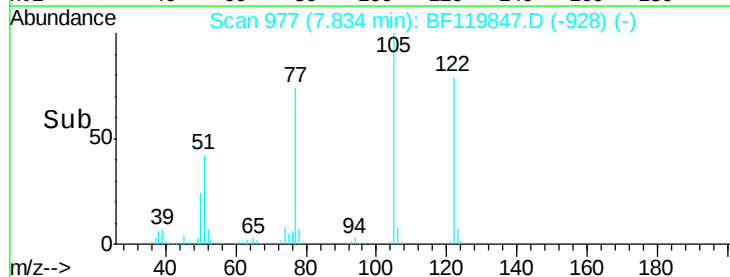
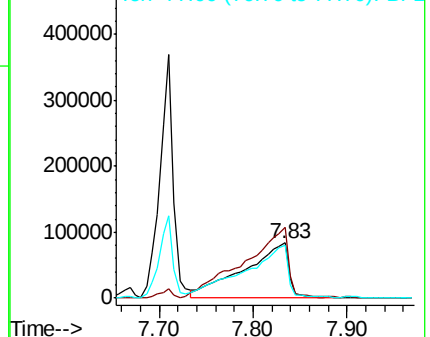
122 100

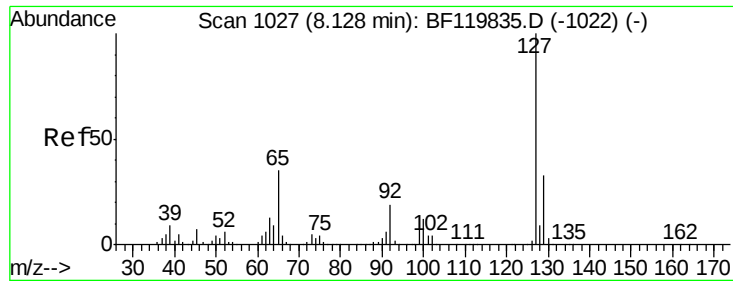
105 126.8 106.7 146.7

77 94.7 72.1 112.1



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





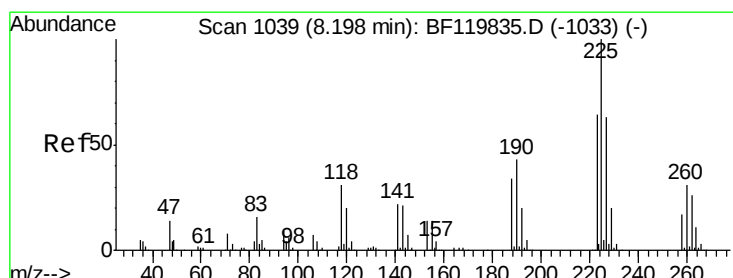
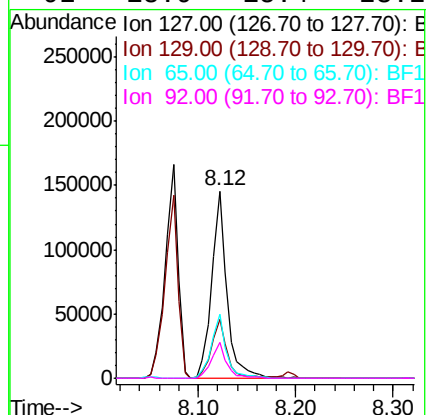
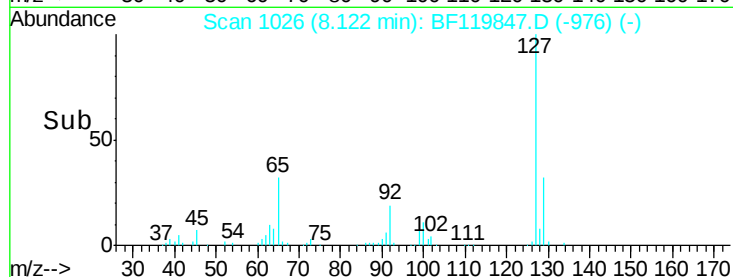
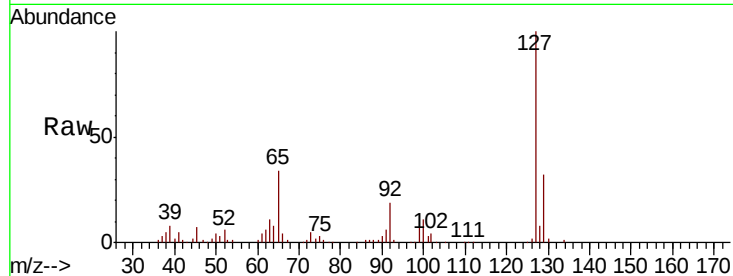
#33
4-Chloroaniline
Concen: 12.194 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.8	26.2	39.2		
65	34.1	28.3	42.5		
92	18.9	15.4	23.2		

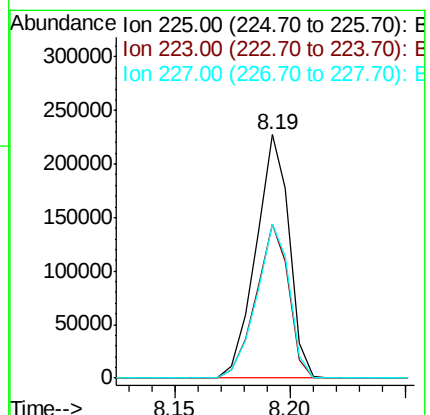
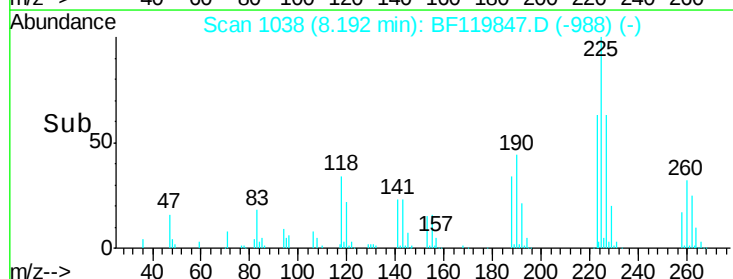
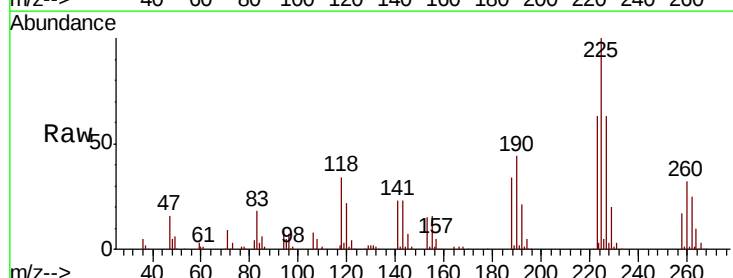
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#34
Hexachlorobutadiene
Concen: 39.141 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.1	51.0	76.6		
227	63.4	50.4	75.6		





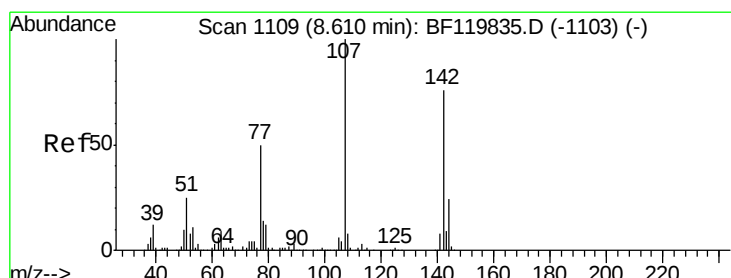
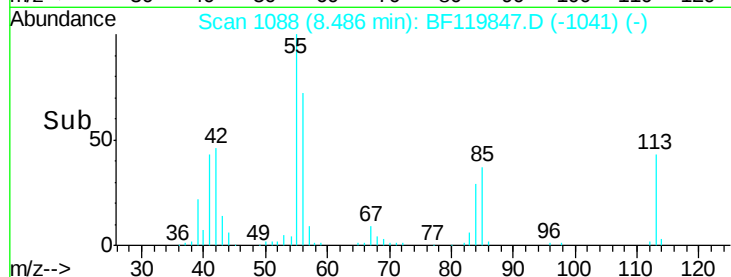
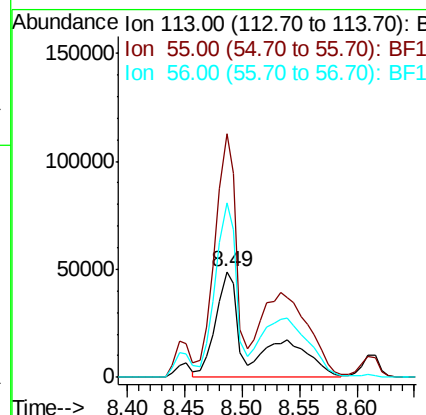
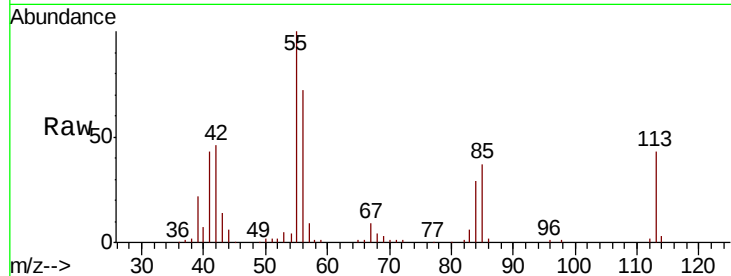
#35
Caprolactam
Concen: 42.485 ng/ml
RT: 8.49 min Scan# 1088
Delta R.T. -0.02 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	230.0	192.7	232.7
56	165.3	133.3	173.3

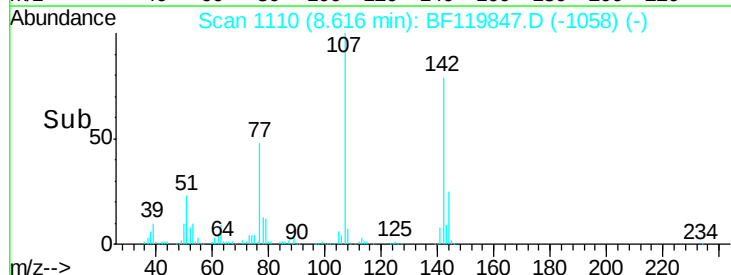
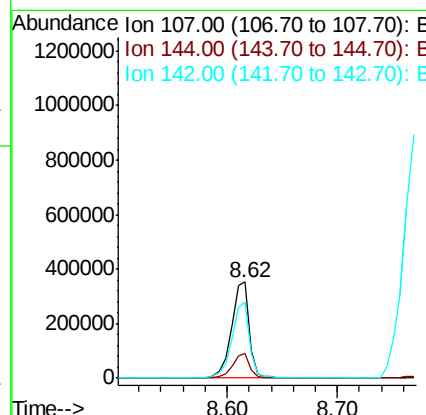
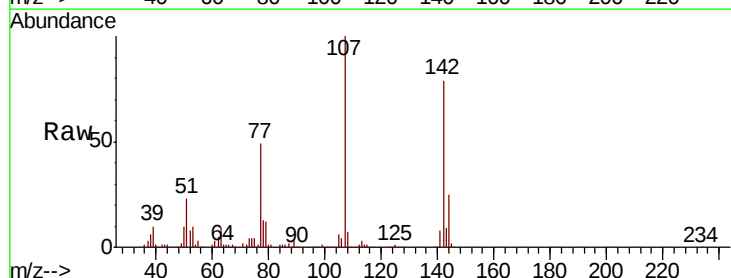
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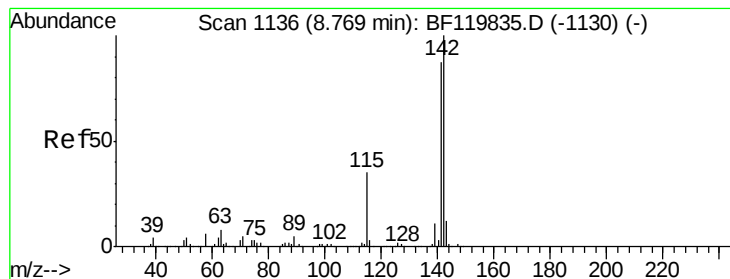
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 43.295 ng/ml
RT: 8.62 min Scan# 1110
Delta R.T. 0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.5	29.3
142	79.4	60.5	90.7





#37

2-Methylnaphthalene

Concen: 41.386 ng

RT: 8.77 min Scan# 1136

Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Instrument :

BNA_F

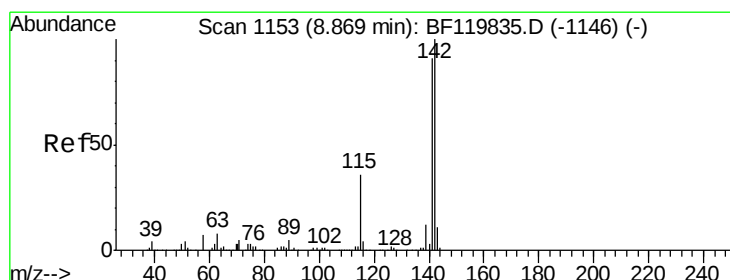
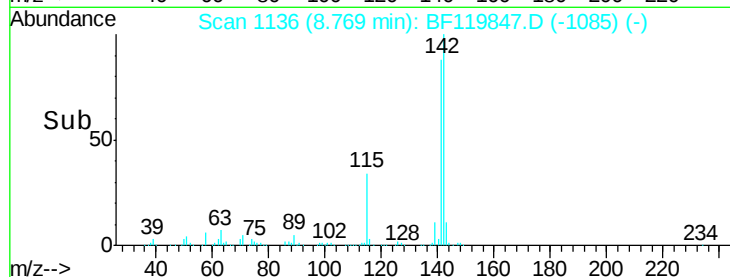
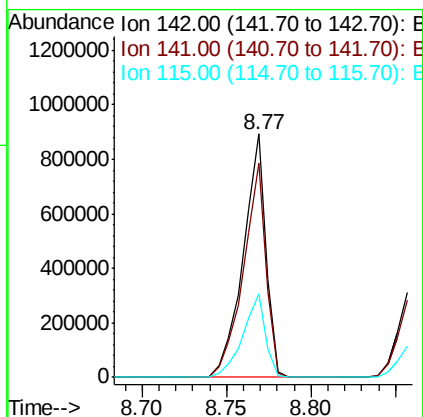
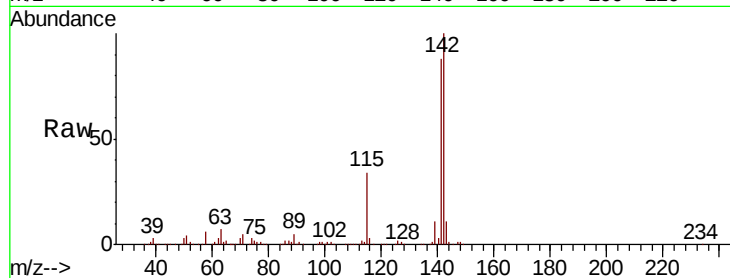
ClientSampleId :

PB128072BS

Tot Ion:	142	Resp:	842326
Ion Ratio	Lower	Upper	
142	100		
141	88.0	69.9	104.9
115	34.1	28.0	42.0

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#38

1-Methylnaphthalene

Concen: 39.810 ng

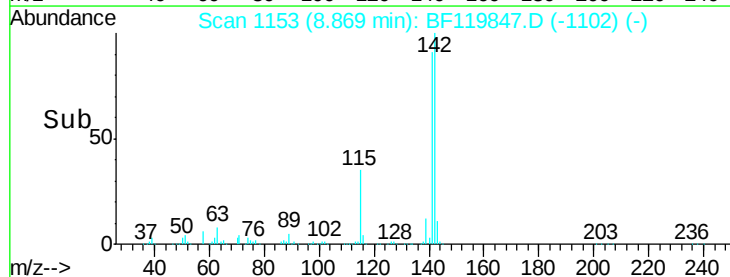
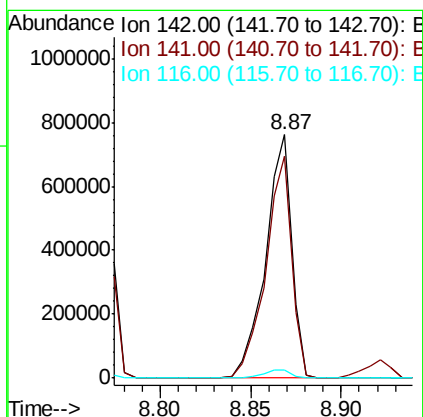
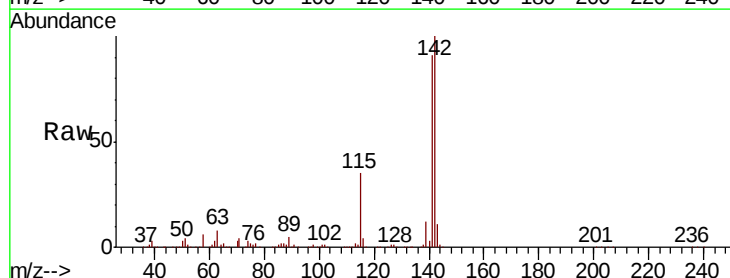
RT: 8.87 min Scan# 1153

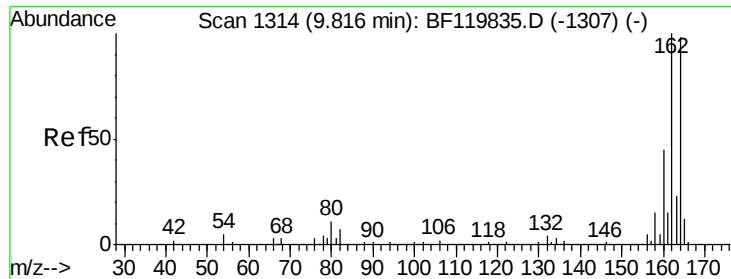
Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Tgt Ion:	142	Resp:	763682
Ion Ratio	Lower	Upper	
142	100		
141	91.0	72.9	109.3
116	3.6	3.0	4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Instrument :

BNA_F

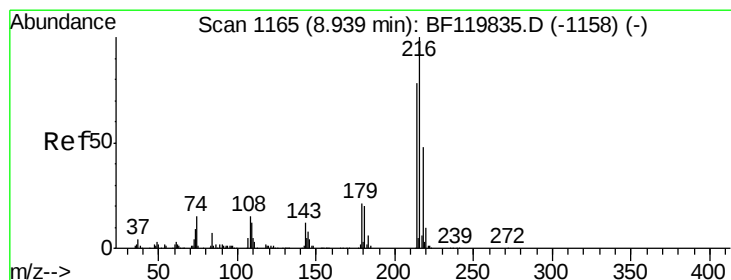
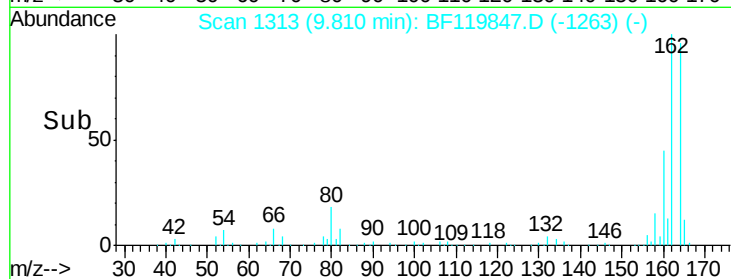
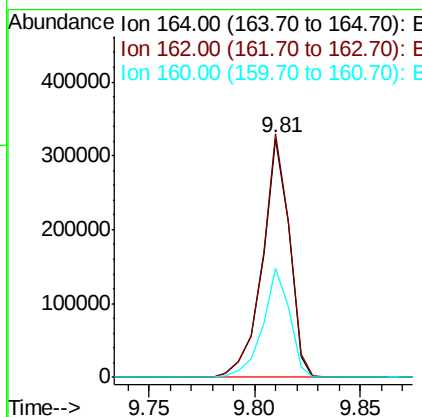
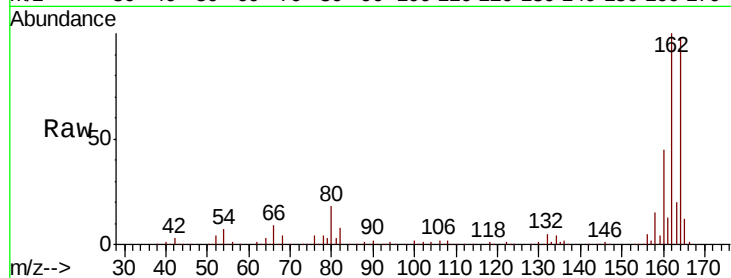
ClientSampleId :

PB128072BS

Tot Ion:	164	Resp:	287665
Ion Ratio	Lower	Upper	
164	100		
162	102.0	81.9	122.9
160	45.7	36.6	54.8

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.265 ng

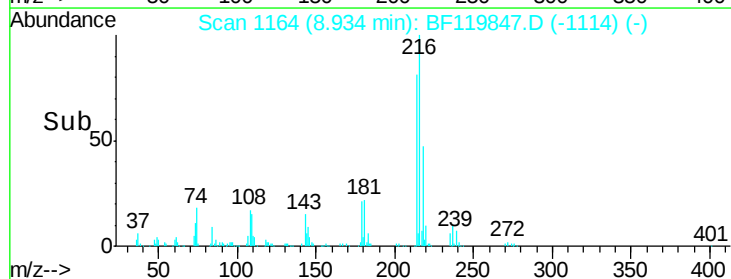
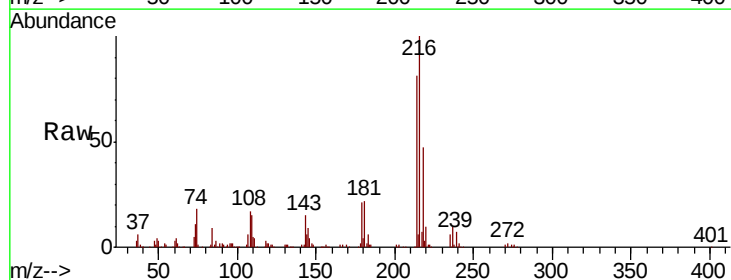
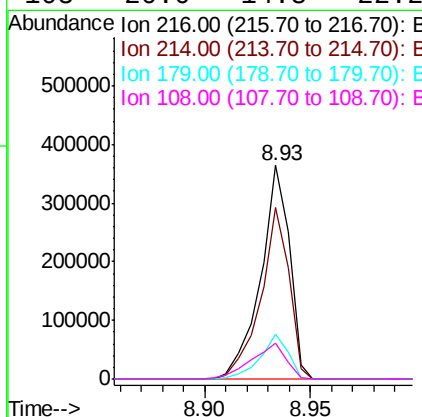
RT: 8.93 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Tgt Ion:	216	Resp:	347668
Ion Ratio	Lower	Upper	
216	100		
214	78.9	63.1	94.7
179	20.4	17.0	25.4
108	20.0	14.8	22.2





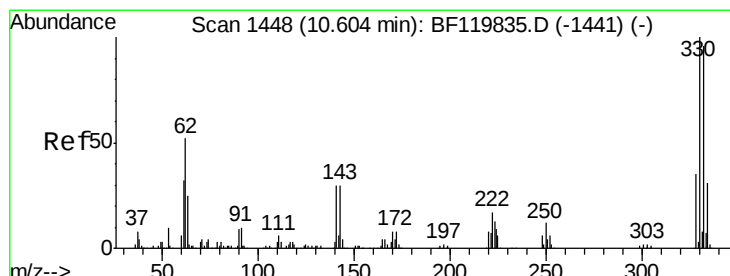
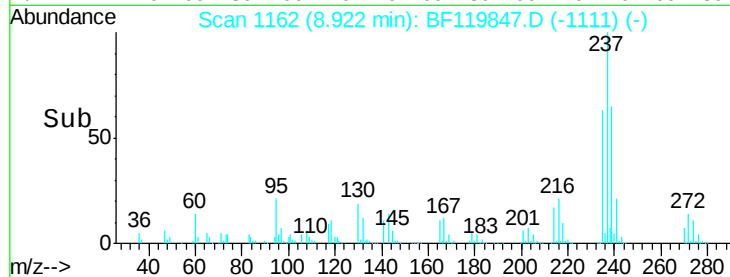
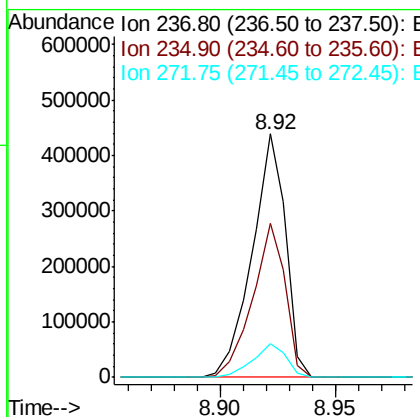
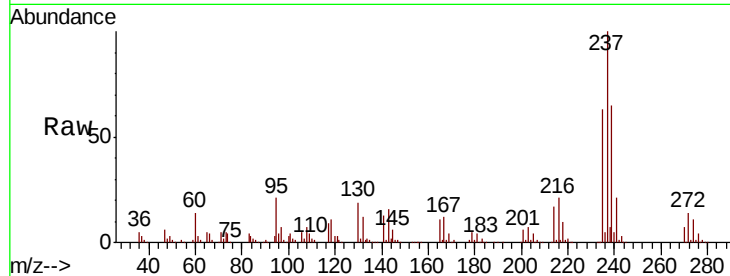
#41
Hexachlorocyclopentadiene
Concen: 85.625 ng
RT: 8.92 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	63.2	44.9	84.9	
272	13.8	0.0	33.6	

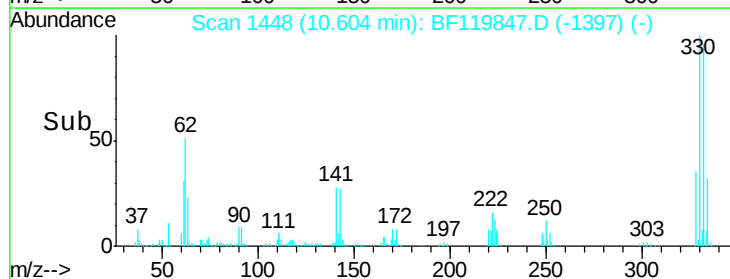
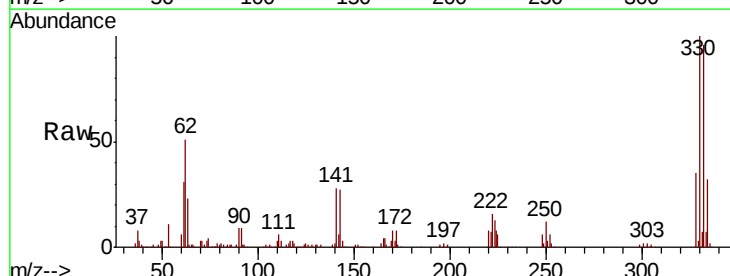
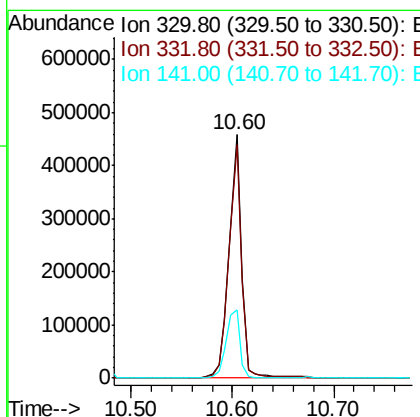
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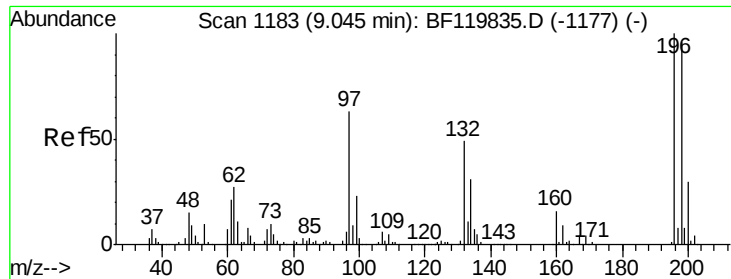
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#42
2,4,6-Tribromophenol
Concen: 113.925 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	76.8	115.2	
141	31.1	25.1	37.7	





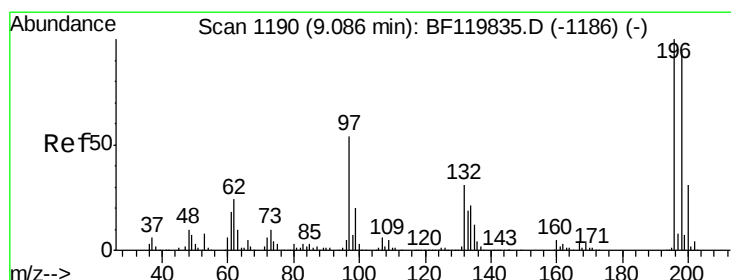
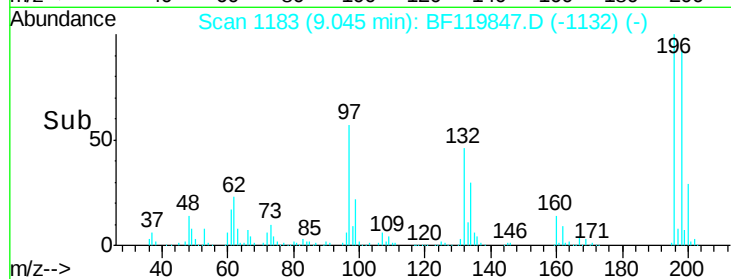
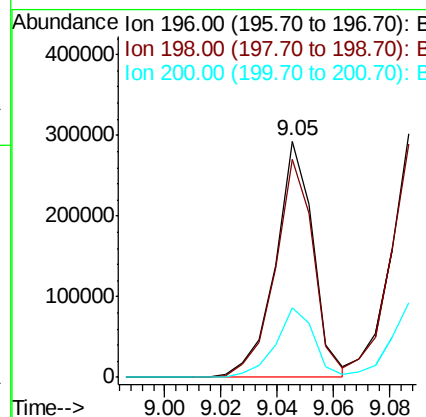
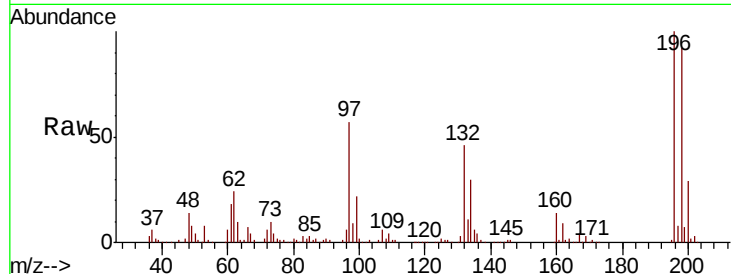
#43
 2,4,6-Trichlorophenol
 Concen: 43.066 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Instrument :
 BNA_F
 ClientSampleId :
 PB128072BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	270200		
198	92.1	76.6	115.0	
200	29.3	24.2	36.2	

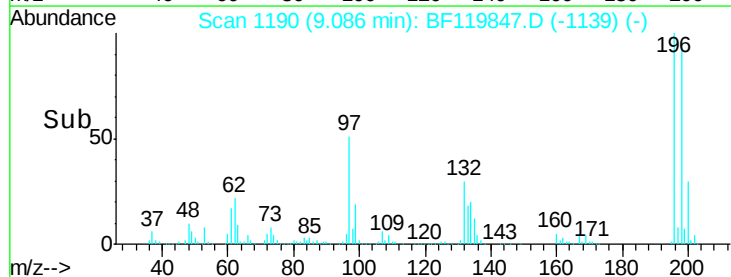
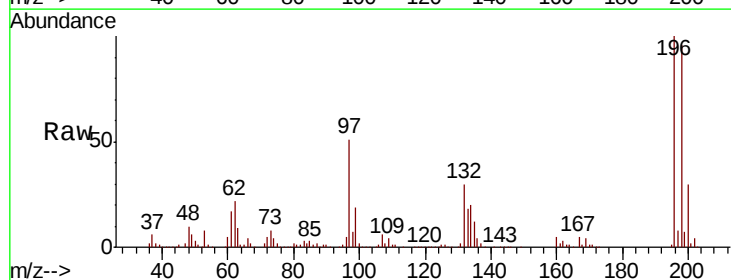
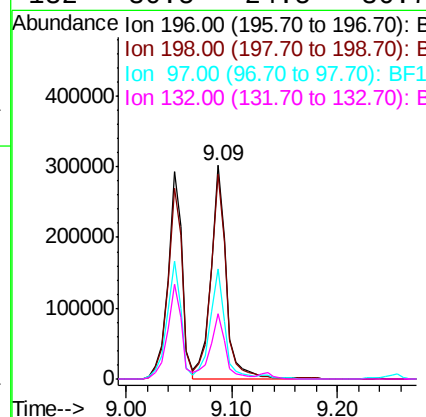
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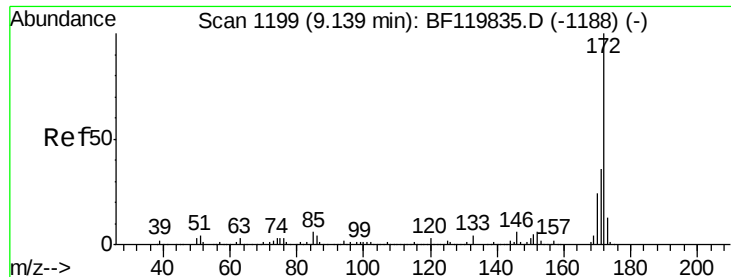
mohammad
 4/10/2020 9:57:23 AM



#44
 2,4,5-Trichlorophenol
 Concen: 43.166 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	305031		
198	96.0	75.1	112.7	
97	51.5	43.4	65.2	
132	30.5	24.5	36.7	





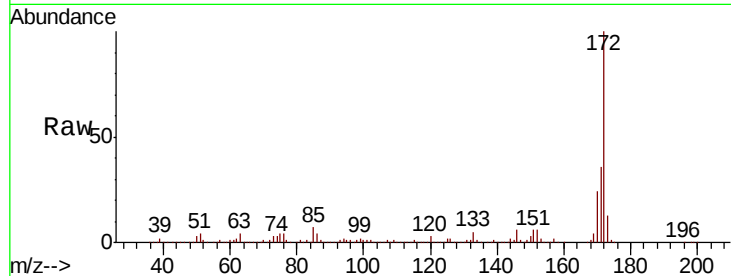
#45
2-Fluorobiphenyl
Concen: 88.203 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.4	28.9	43.3	
170	24.3	19.4	29.2	

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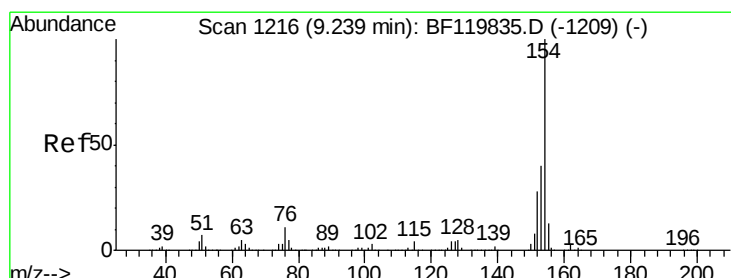
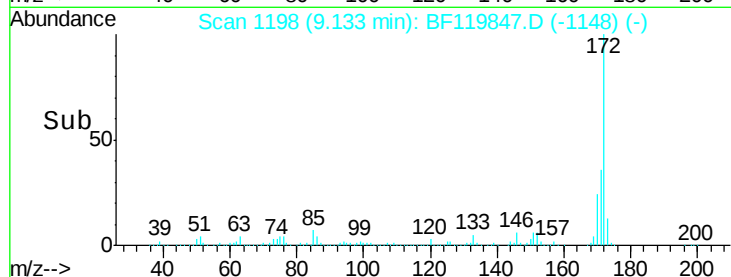
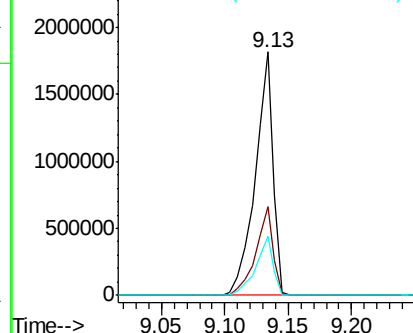


Abundance

Ion 172.00 (171.70 to 172.70): E

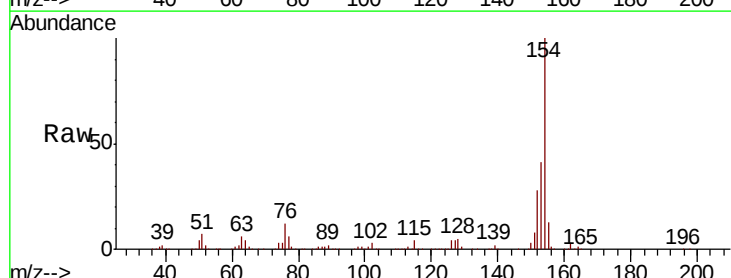
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 43.871 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ion	Ratio	Lower	Upper
154	100			
153	40.7	20.5	60.5	
76	11.5	0.0	30.6	

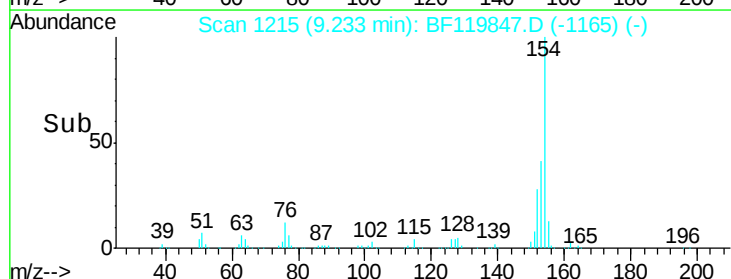
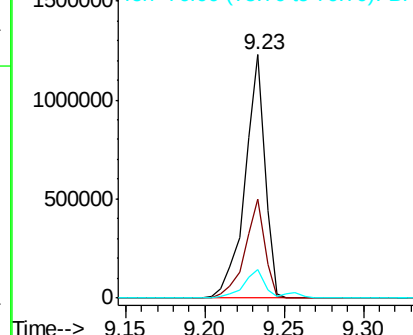


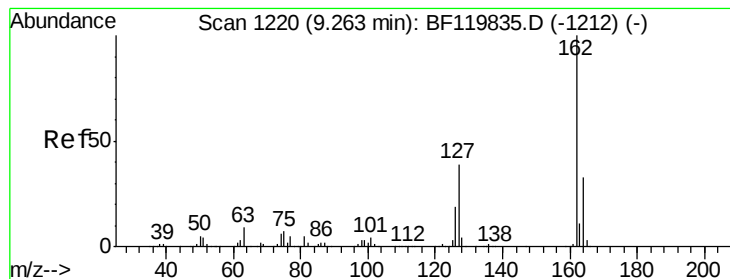
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





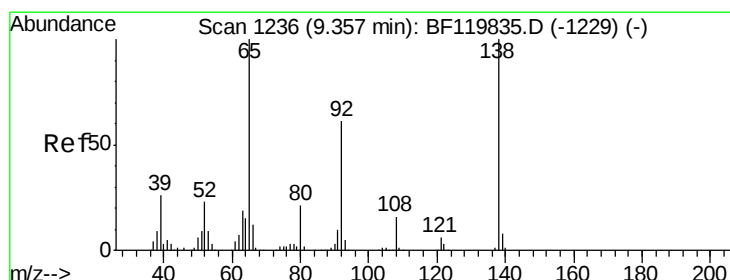
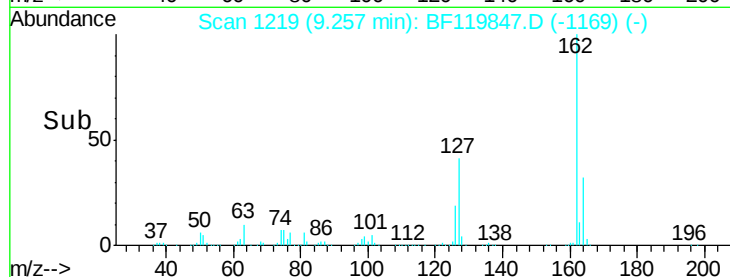
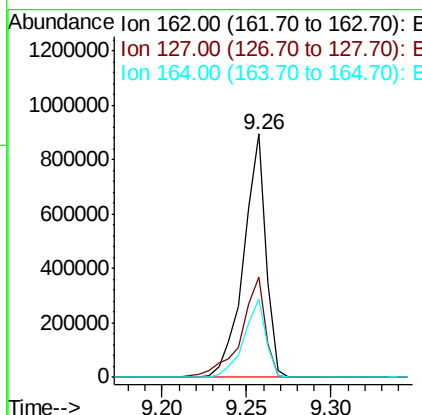
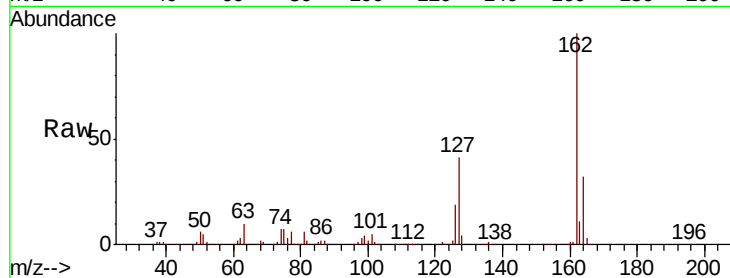
#47
 2-Chloronaphthalene
 Concen: 43.864 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Instrument :
 BNA_F
 ClientSampleId :
 PB128072BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
127	41.2	31.2	46.8		
164	32.5	26.3	39.5		

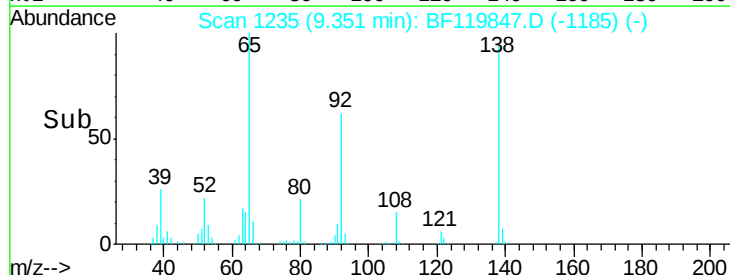
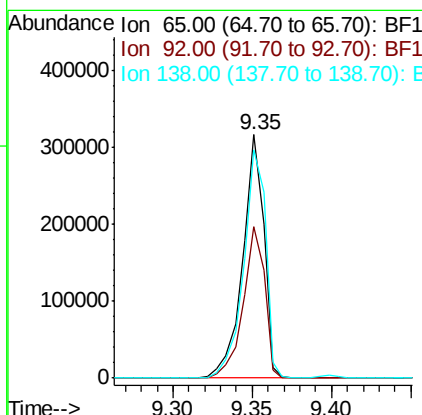
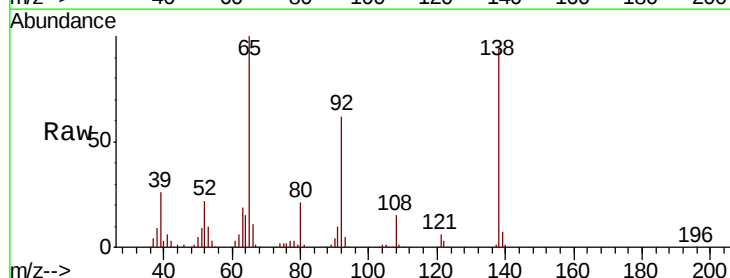
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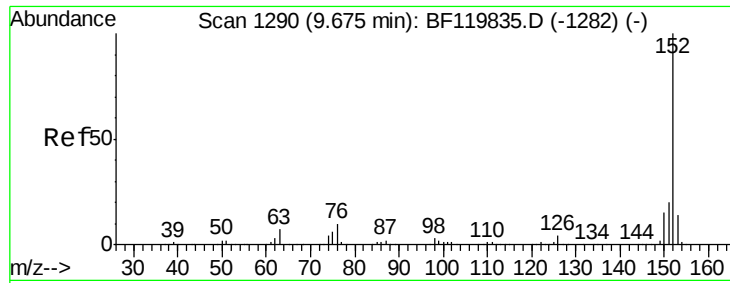
mohammad
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#48
 2-Nitroaniline
 Concen: 43.099 ng
 RT: 9.35 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
92	62.2	49.0	73.6		
138	93.7	79.7	119.5		





#49

Acenaphthylene

Concen: 43.009 ng

RT: 9.67 min Scan# 1290

Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Instrument :

BNA_F

ClientSampleId :

PB128072BS

Tot Ion:152 Resp: 1223437

Ion Ratio Lower Upper

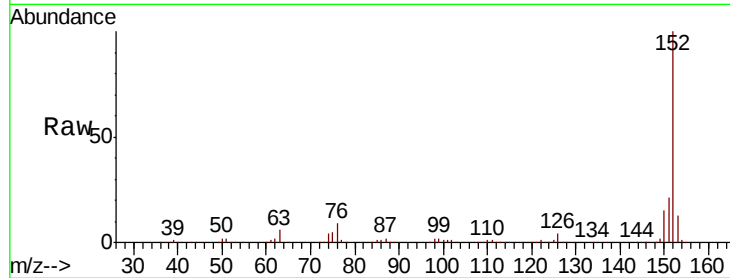
152 100

151 20.6 16.2 24.4

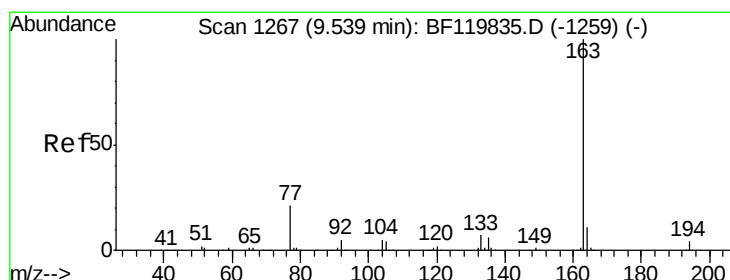
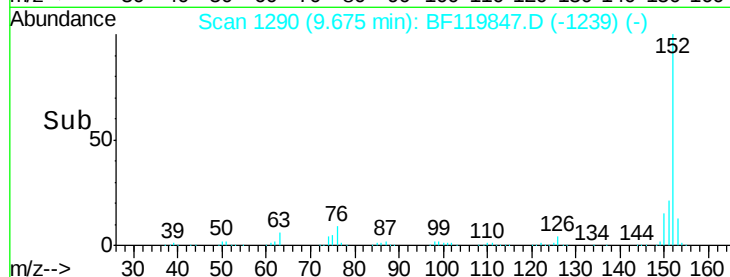
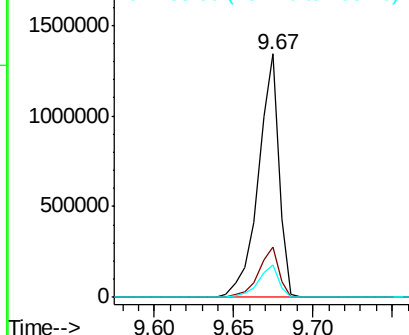
153 13.1 10.9 16.3

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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: 41.648 ng

RT: 9.54 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

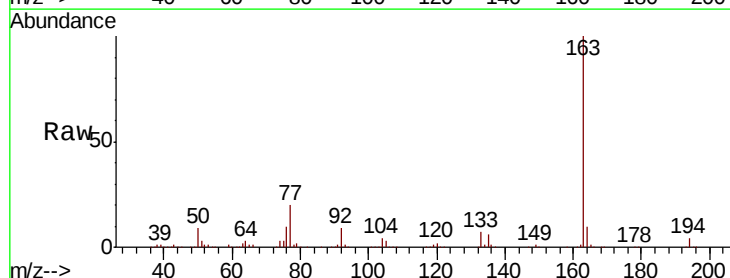
Tgt Ion:163 Resp: 926697

Ion Ratio Lower Upper

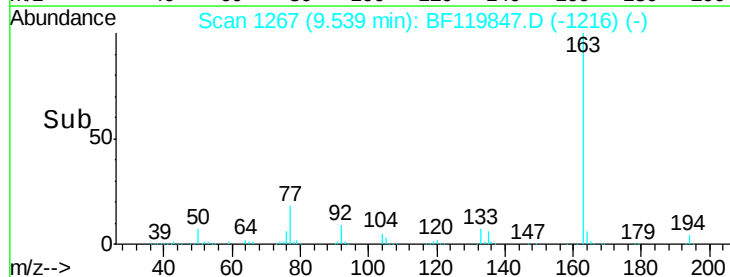
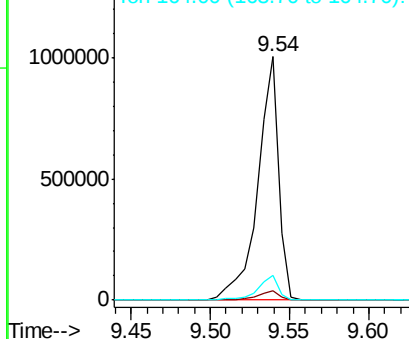
163 100

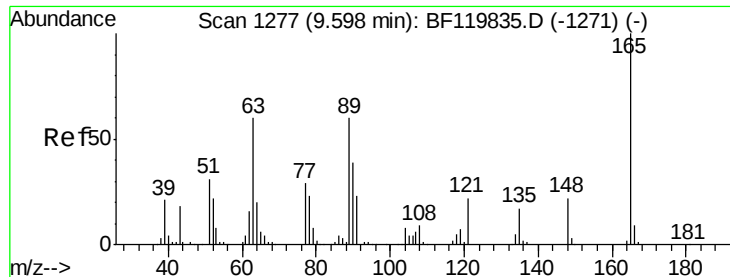
194 3.8 3.0 4.4

164 10.0 8.4 12.6



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





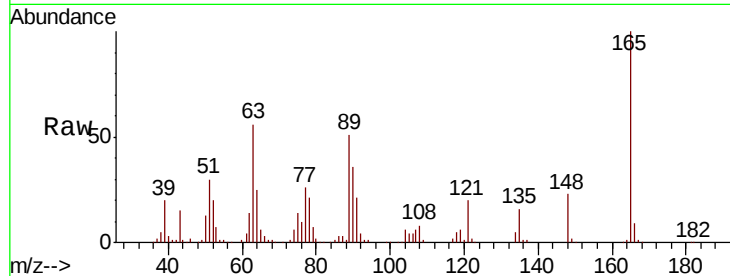
#51
2,6-Dinitrotoluene
Concen: 42.364 ng
RT: 9.60 min Scan# 1277
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

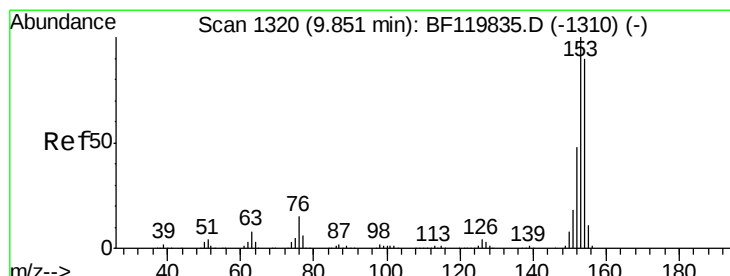
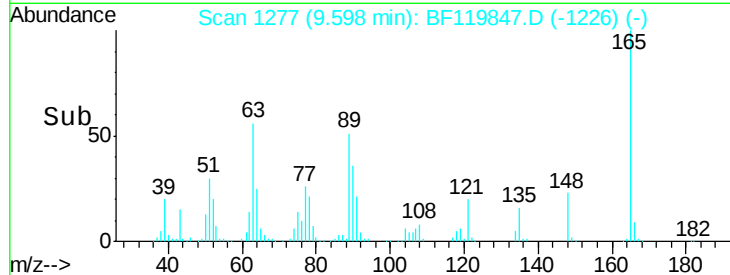
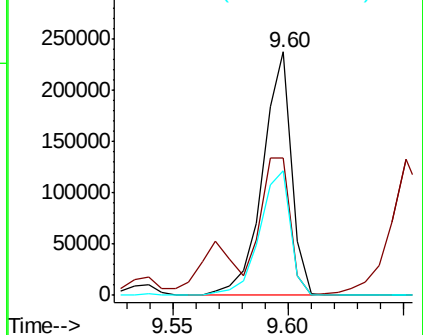
Tot Ion	Ratio	Resp	Lower	Upper
165	100	206416		
63	56.4		55.6	83.4
89	51.1		47.9	71.9

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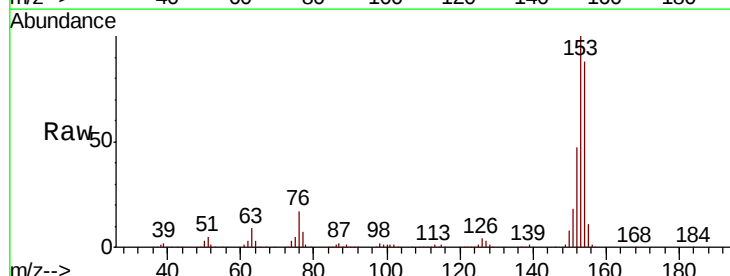


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

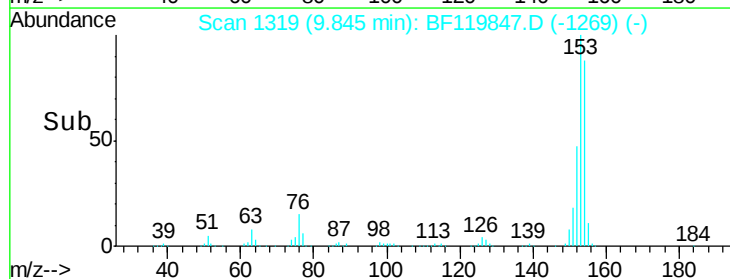
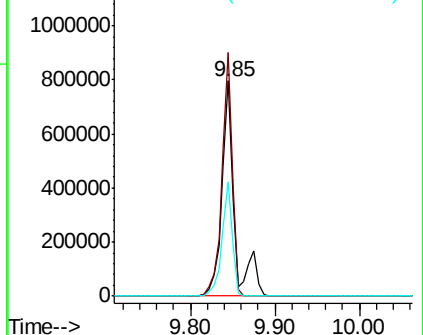


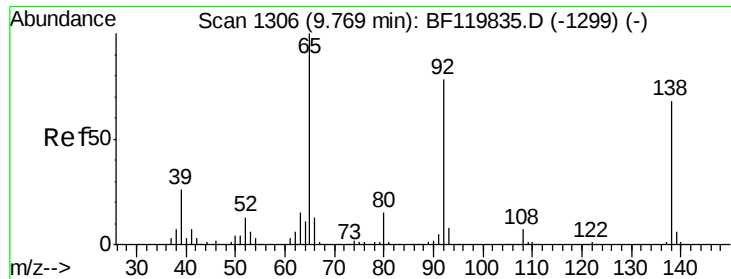
#52
Acenaphthene
Concen: 44.081 ng m
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	836451		
153	113.3		88.8	133.2
152	53.0		42.4	63.6



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





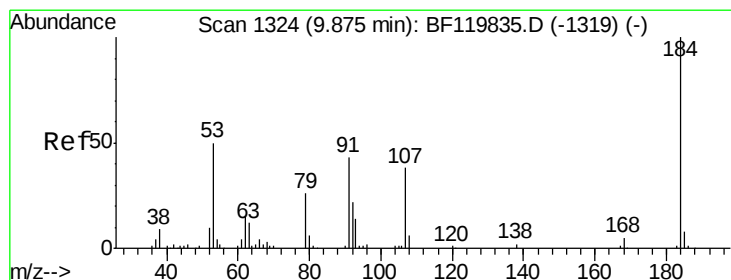
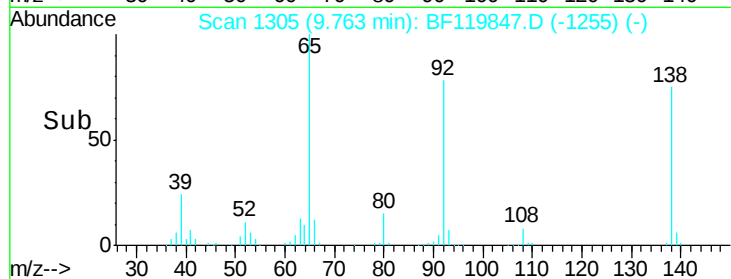
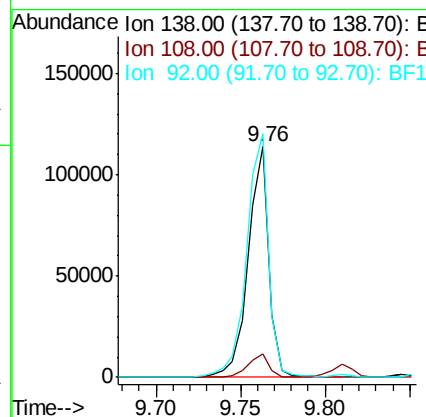
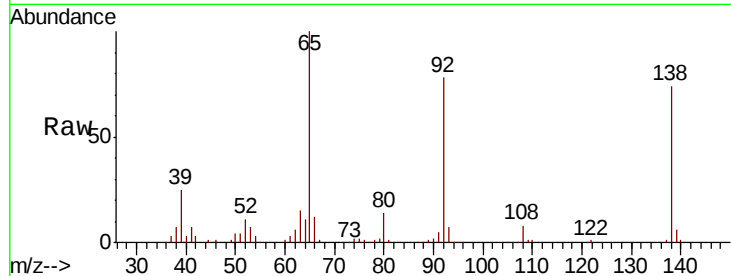
#53
 3-Nitroaniline
 Concen: 17.544 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Instrument :
 BNA_F
 ClientSampleId :
 PB128072BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.0	12.0
92	105.5	92.1	138.1

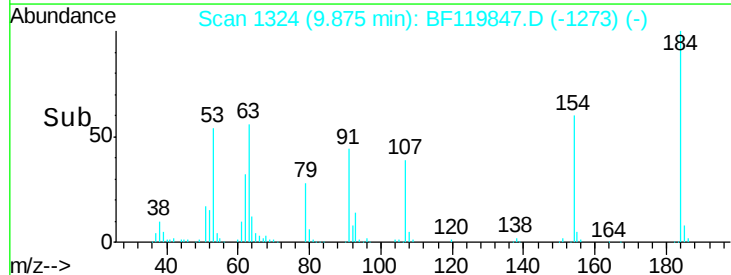
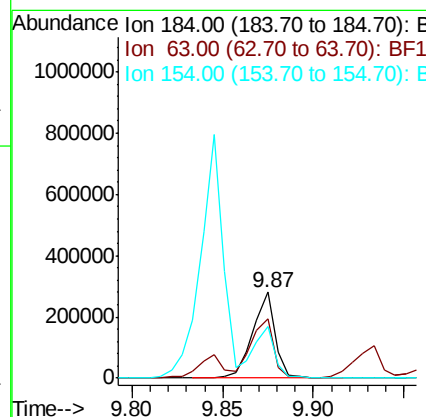
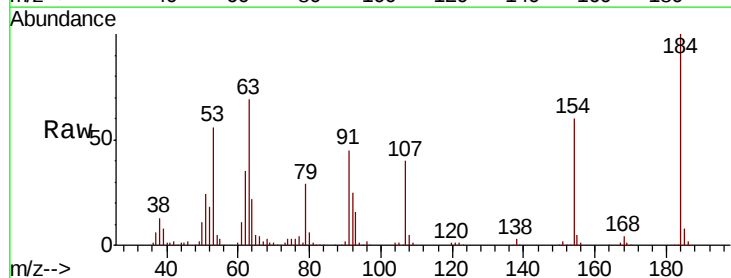
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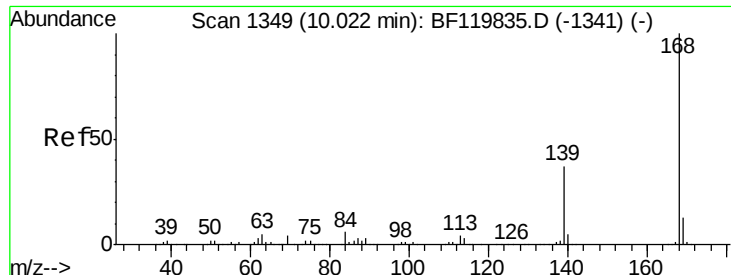
mohammad
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#54
 2,4-Dinitrophenol
 Concen: 83.553 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Lower	Upper
184	100		
63	68.9	49.8	74.6
154	59.5	46.5	69.7





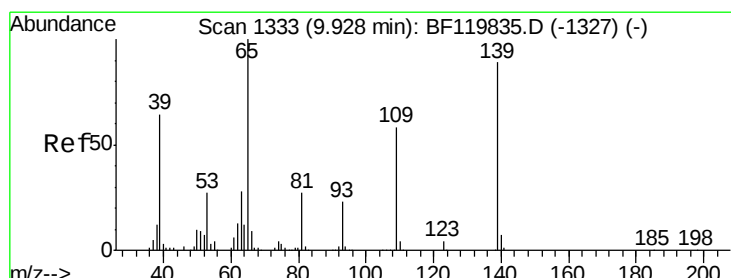
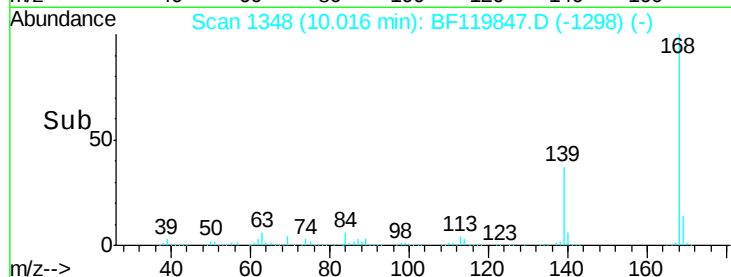
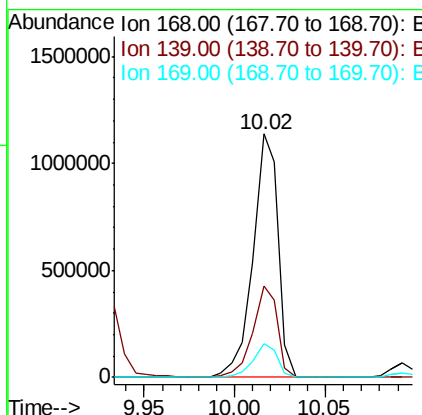
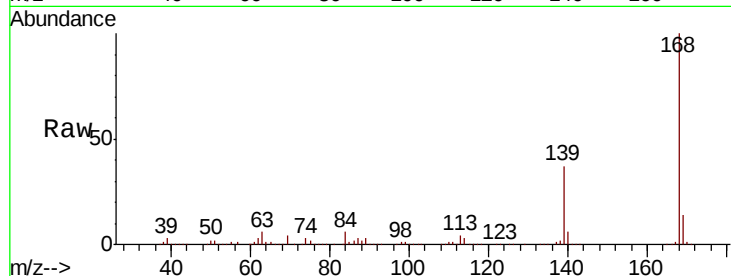
#55
Dibenzofuran
Concen: 41.880 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.8	44.6
169	13.6	10.6	15.8

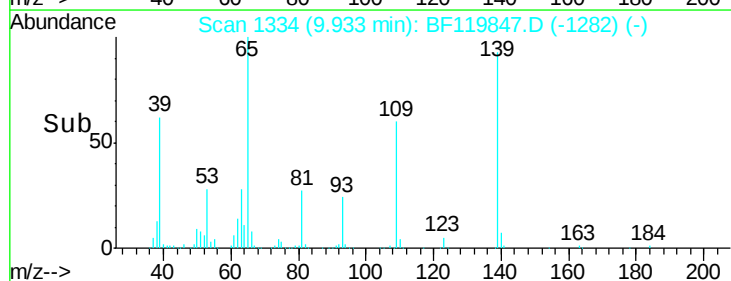
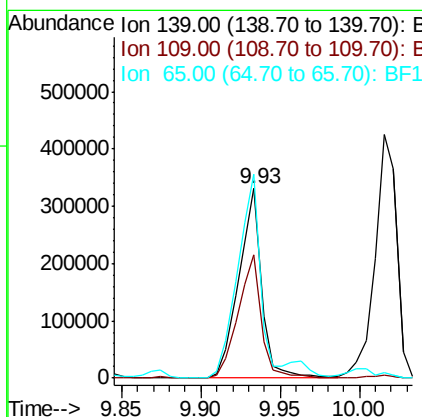
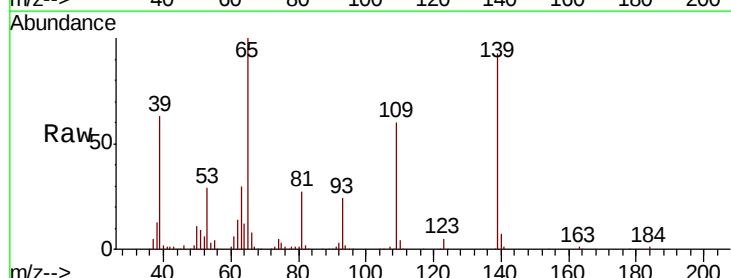
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#56
4-Nitrophenol
Concen: 80.215 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.6	45.5	85.5
65	107.3	92.3	132.3





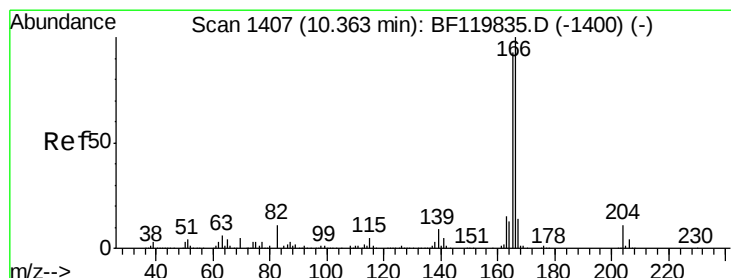
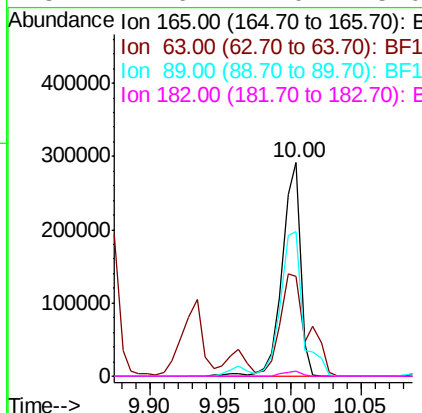
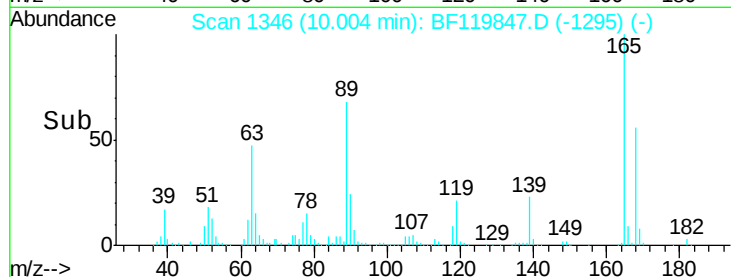
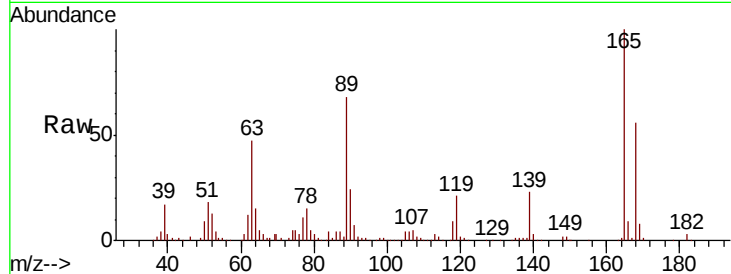
#57
2,4-Dinitrotoluene
Concen: 41.121 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		263980		
63	46.9	40.8	61.2		
89	67.7	56.9	85.3		
182	2.6	2.0	3.0		

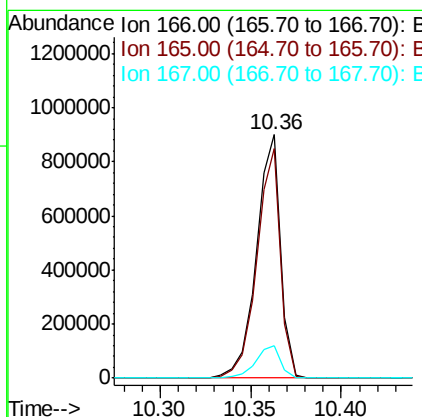
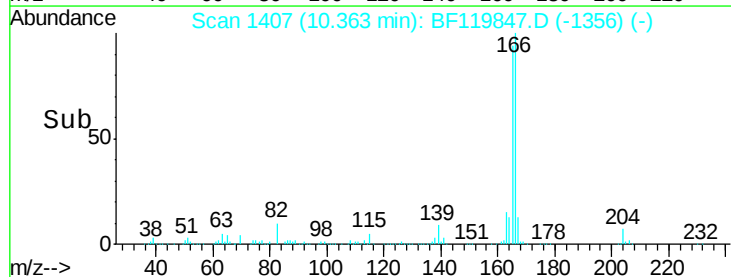
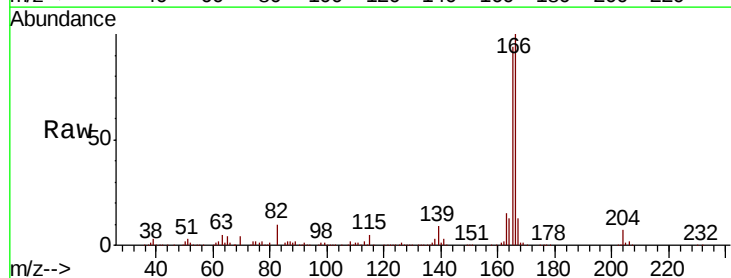
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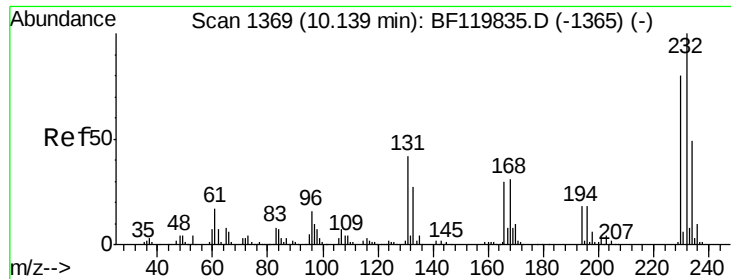
mohammad
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#58
Fluorene
Concen: 39.794 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		828684		
165	94.2	74.2	111.2		
167	13.1	10.8	16.2		





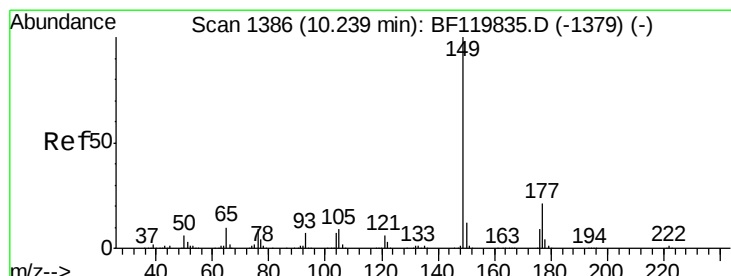
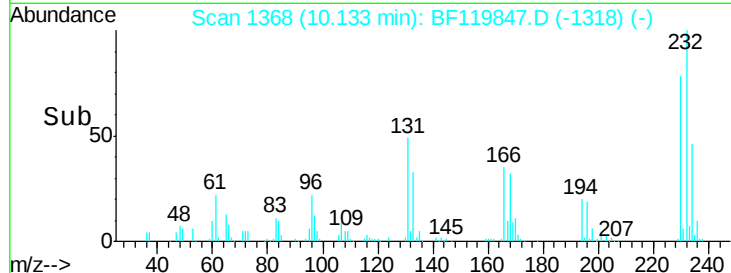
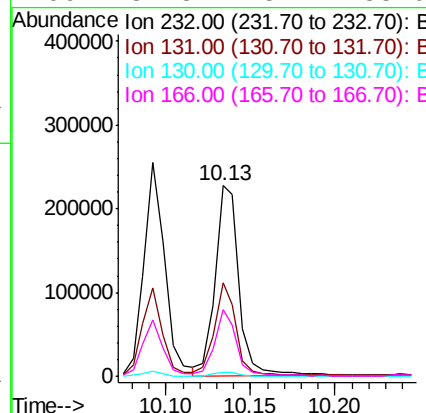
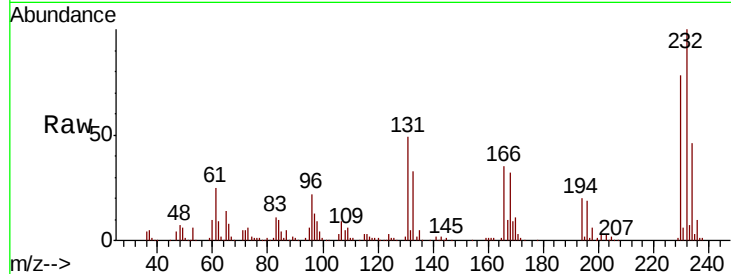
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.457 ng
 RT: 10.13 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Instrument :
 BNA_F
 ClientSampleId :
 PB128072BS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	224054		
131	46.0		37.9	56.9
130	2.0		1.8	2.6
166	32.3		25.4	38.0

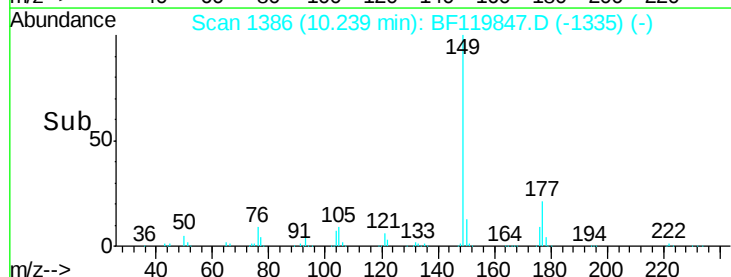
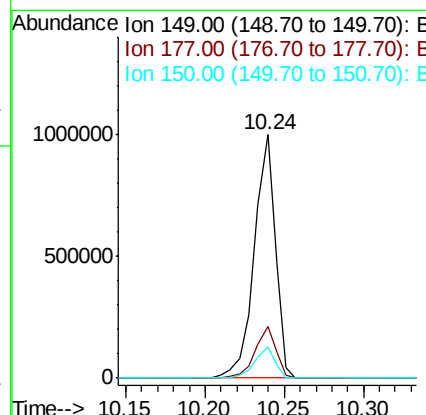
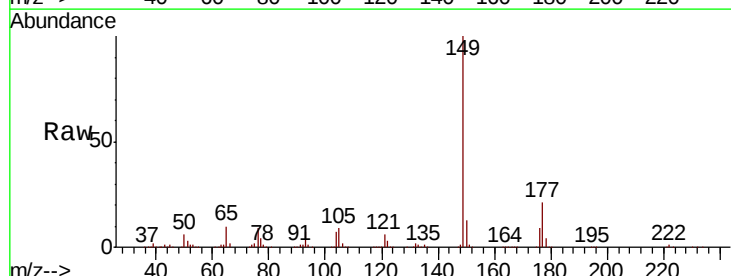
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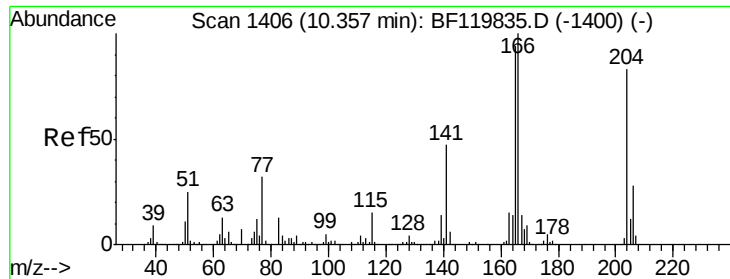
mohammad
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#60
 Diethylphthalate
 Concen: 39.923 ng
 RT: 10.24 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	920673		
177	21.4		16.8	25.2
150	12.8		9.8	14.6





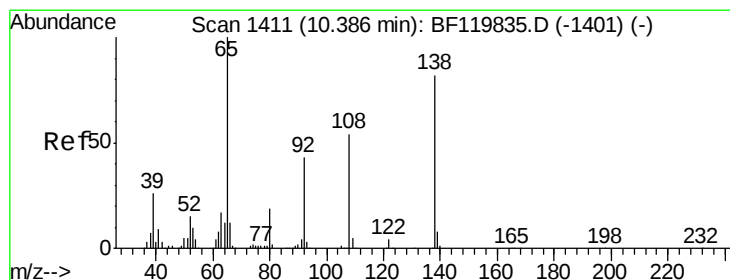
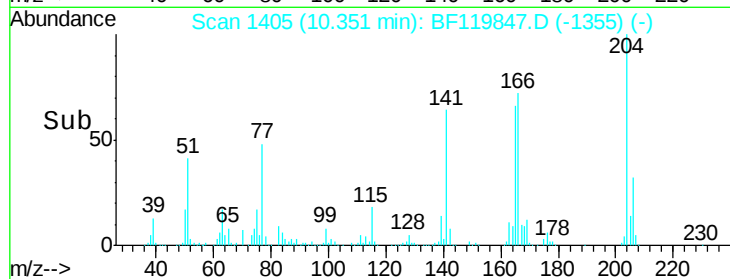
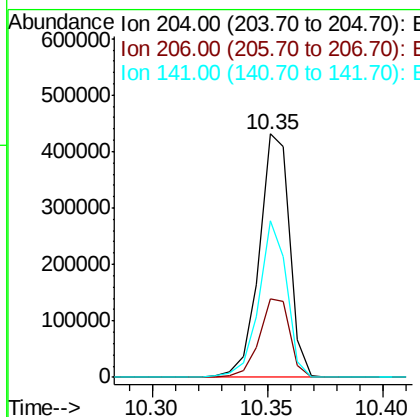
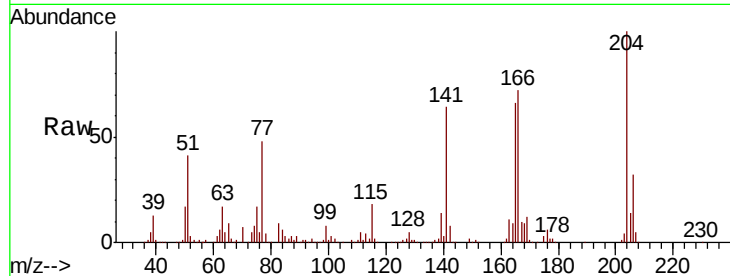
#61
 4-Chlorophenyl-phenylether
 Concen: 37.121 ng
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Instrument :
 BNA_F
 ClientSampleId :
 PB128072BS

Tot Ion	Ratio	Resp	Lower	Upper
204	100	396202		
206	32.4	26.7	40.1	
141	64.3	45.8	68.8	

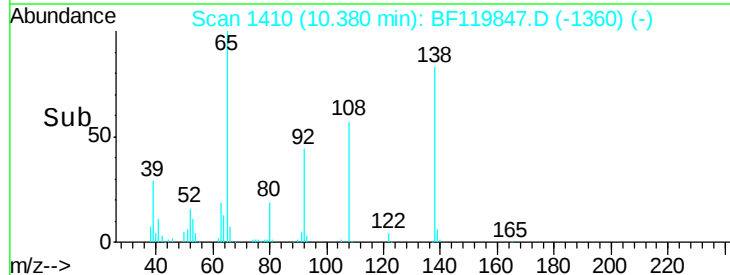
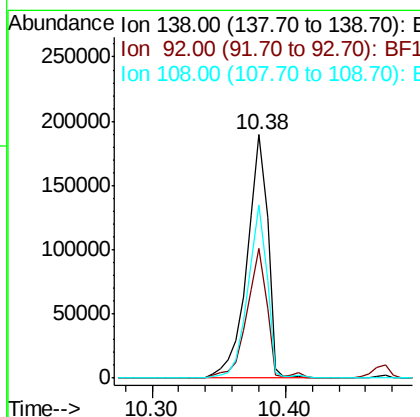
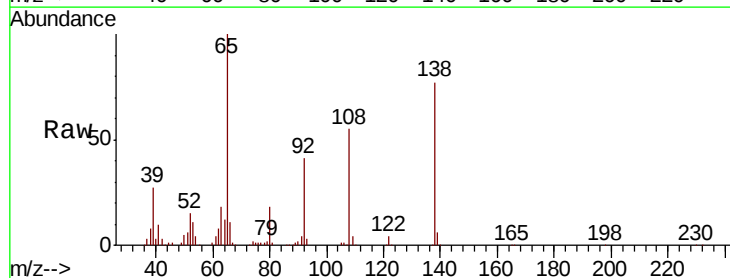
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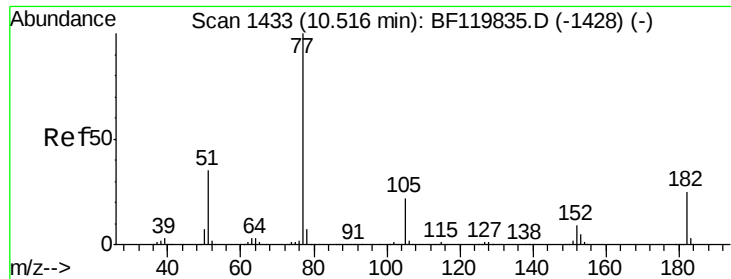
mohammad
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#62
 4-Nitroaniline
 Concen: 38.127 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	202198		
92	53.5	31.6	71.6	
108	71.2	45.2	85.2	





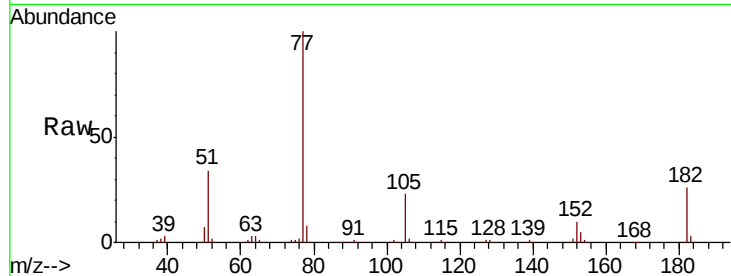
#63
Azobenzene
Concen: 40.201 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ratio	Lower	Upper
77	100		
182	26.4	4.5	44.5
105	22.9	2.2	42.2
51	34.5	15.1	55.1

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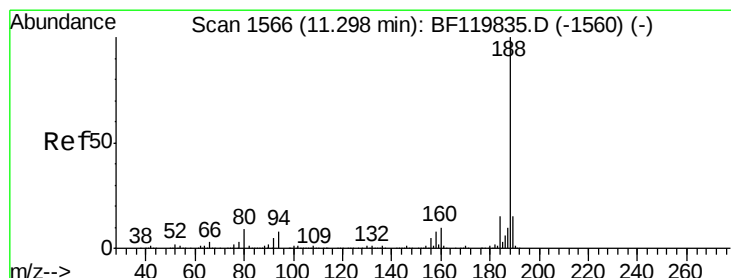
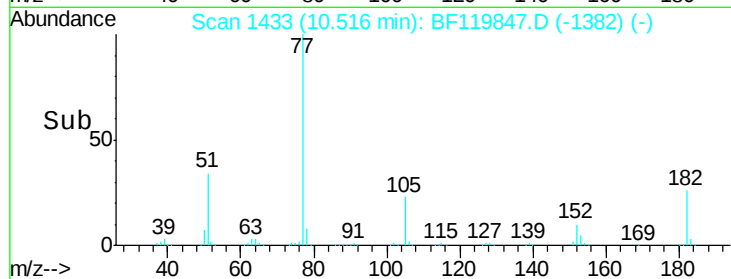
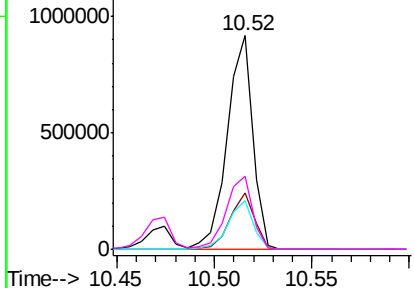


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



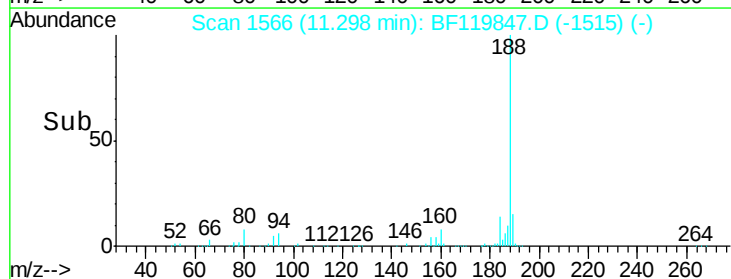
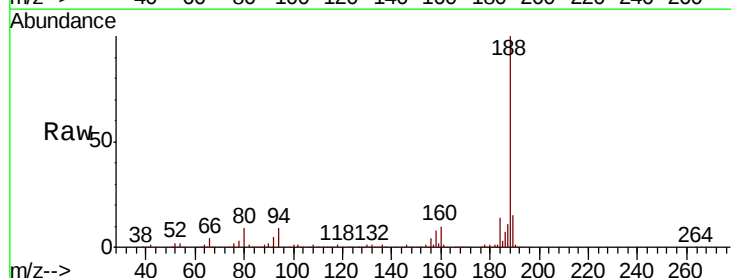
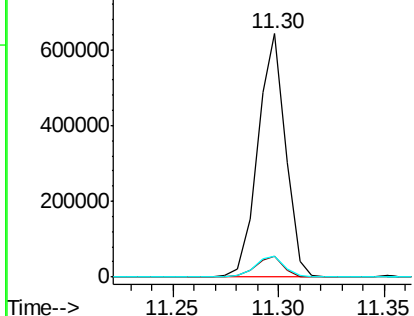
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

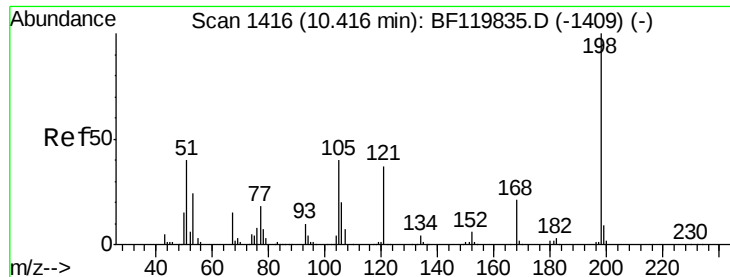
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.7	10.1
80	8.8	7.4	11.2

Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





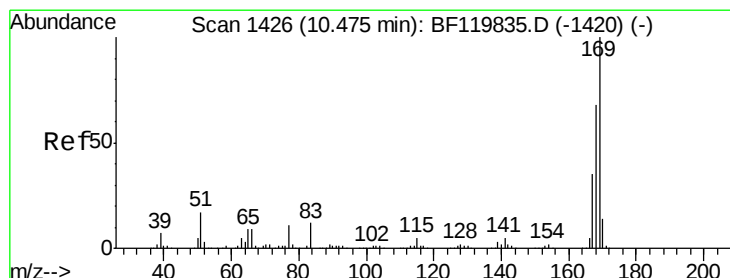
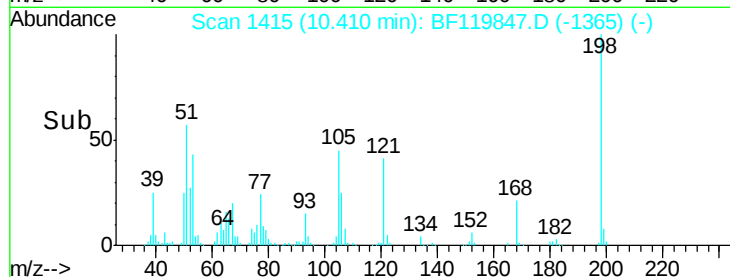
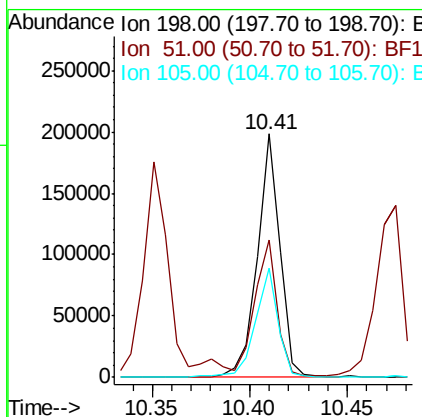
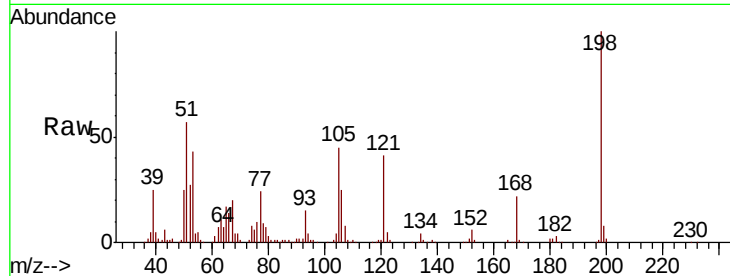
#65
4,6-Dinitro-2-methylphenol
Concen: 41.488 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	159809		
51	56.5	25.2	65.2	
105	44.8	20.8	60.8	

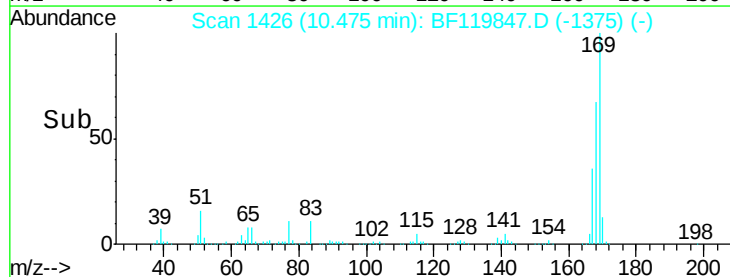
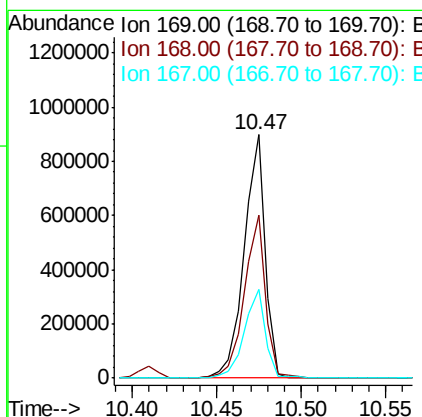
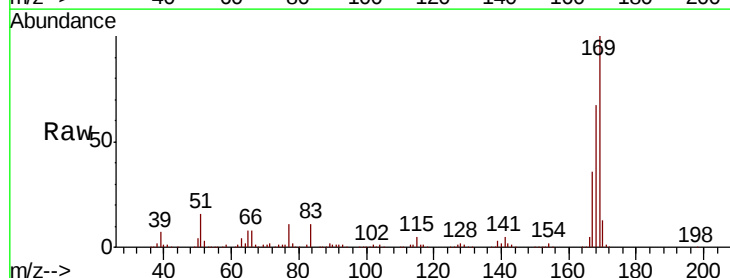
Manual Integrations
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#66
n-Nitrosodiphenylamine
Concen: 40.111 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	779958		
168	67.1	54.2	81.4	
167	36.3	28.3	42.5	





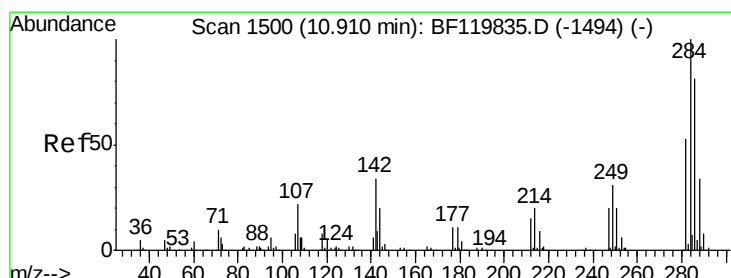
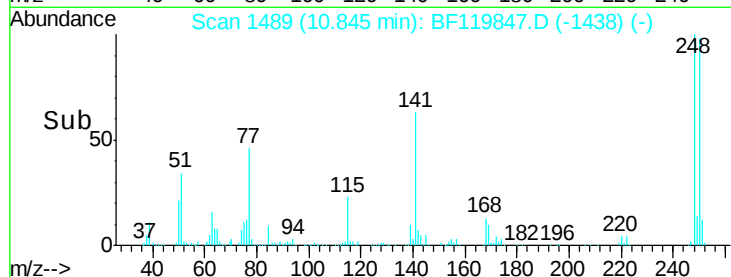
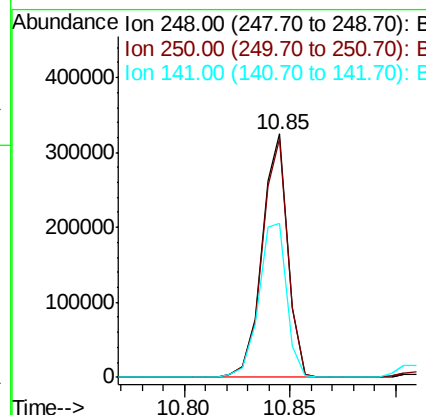
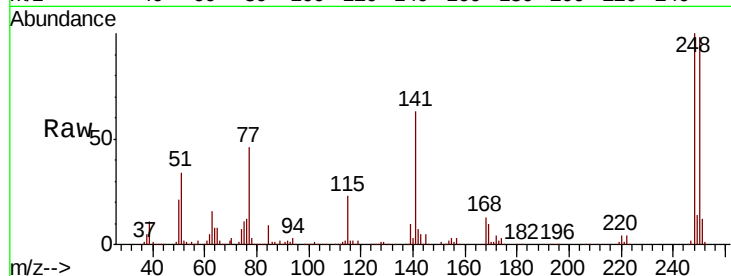
#67
 4-Bromophenyl-phenylether
 Concen: 37.903 ng
 RT: 10.85 min Scan# 1489
 Delta R.T. 0.00 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Instrument :
 BNA_F
 ClientSampleId :
 PB128072BS

Tot Ion	Ratio	Resp	Lower	Upper
248	100	275597		
250	98.2	76.6	114.8	
141	63.1	55.9	83.9	

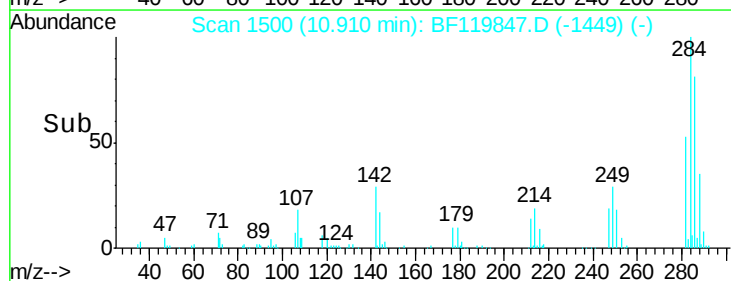
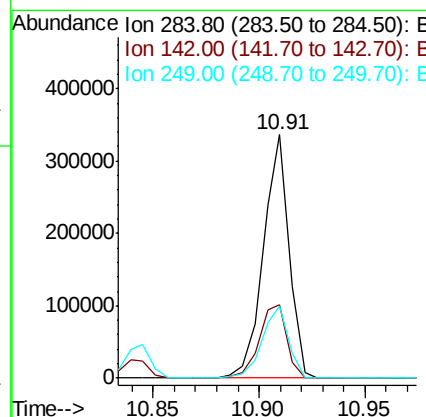
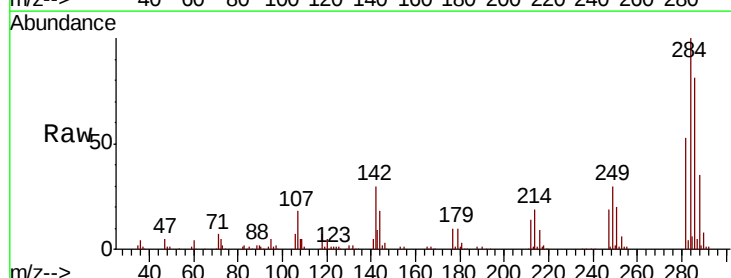
Manual Integrations
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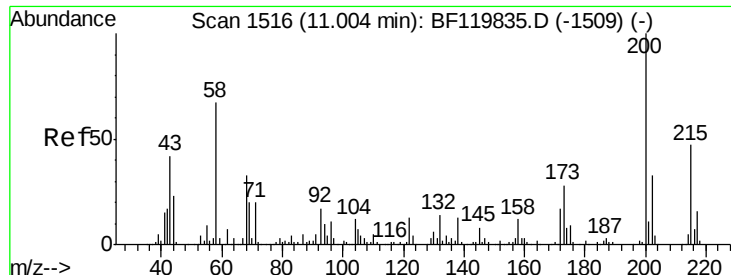
mohammad
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#68
 Hexachlorobenzene
 Concen: 38.570 ng
 RT: 10.91 min Scan# 1500
 Delta R.T. 0.00 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	284500		
142	30.3	26.9	40.3	
249	29.6	24.6	37.0	





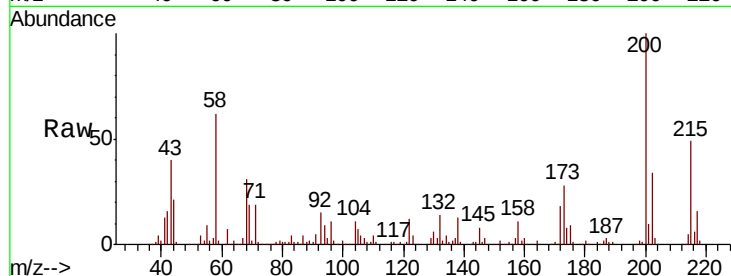
#69
Atrazine
Concen: 42.705 ng
RT: 11.00 min Scan# 1516
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

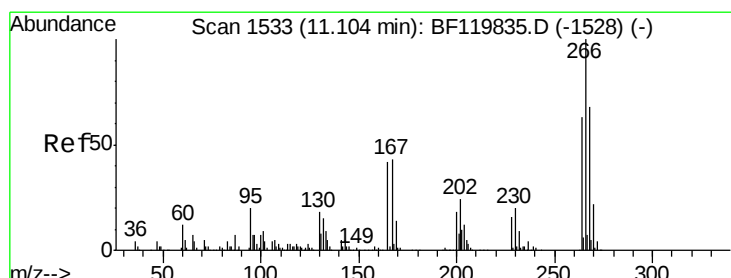
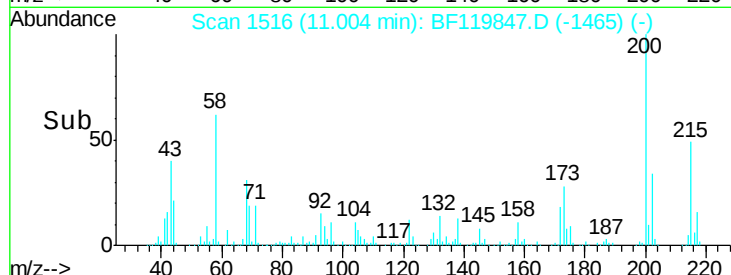
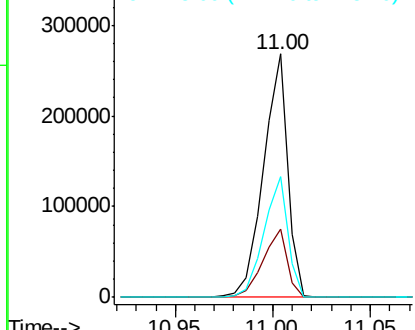
Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	28.1	8.0	48.0
215	49.3	27.1	67.1

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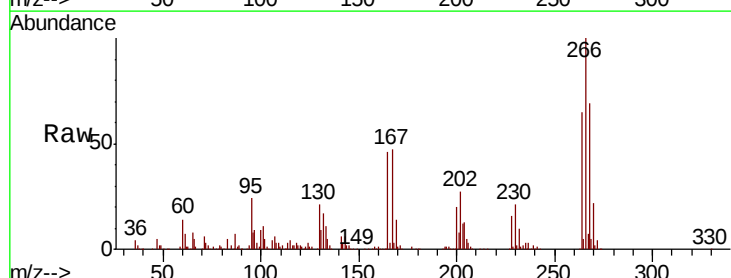


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

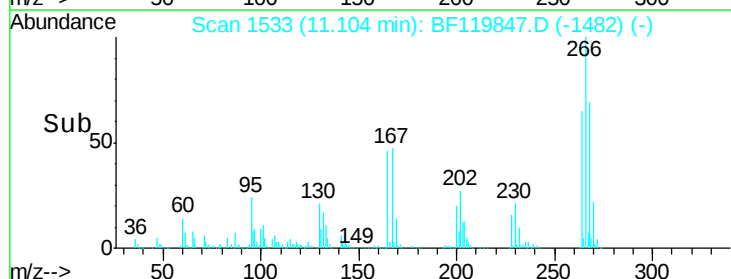
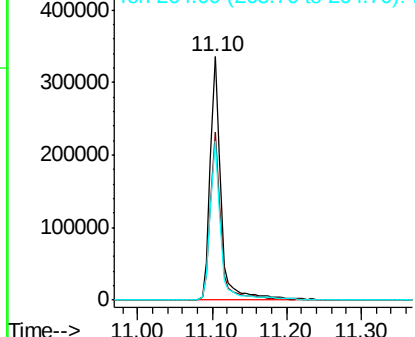


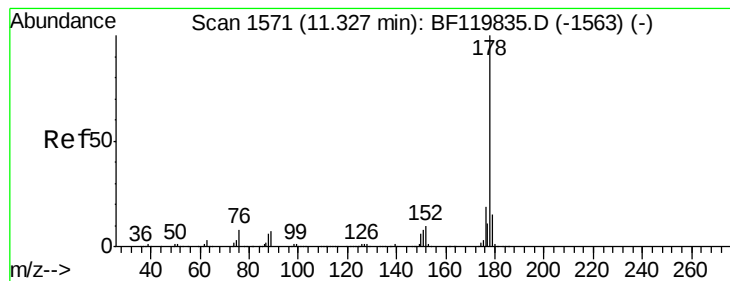
#70
Pentachlorophenol
Concen: 80.844 ng
RT: 11.10 min Scan# 1533
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	68.9	54.2	81.4
264	65.2	50.6	76.0



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 40.270 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Instrument :

BNA_F

ClientSampleId :

PB128072BS

Tot Ion:178 Resp: 1253084

Ion Ratio Lower Upper

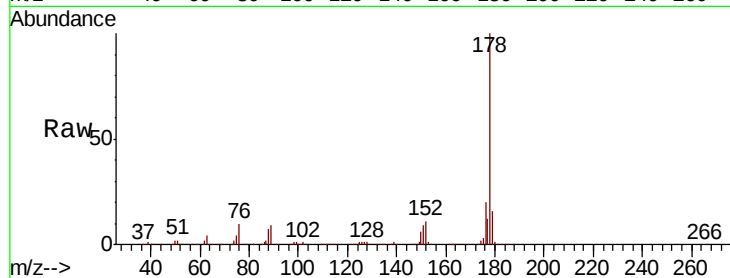
178 100

176 19.9 15.1 22.7

179 15.8 12.2 18.4

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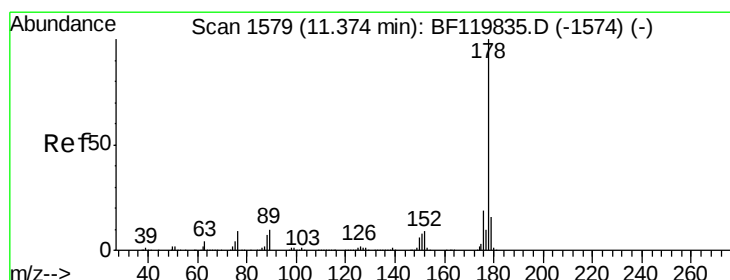
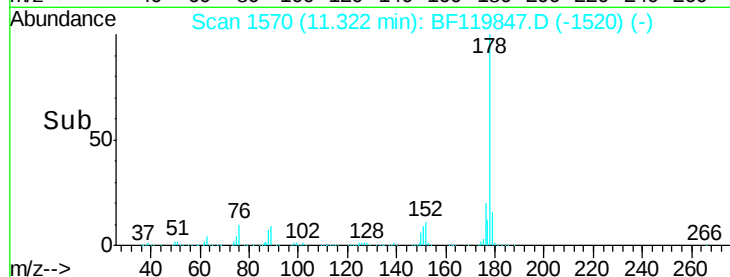
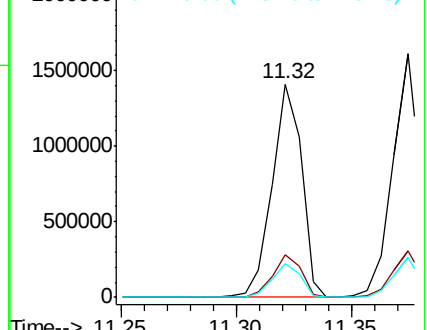
mohammad
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 41.585 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Tgt Ion:178 Resp: 1321920

Ion Ratio Lower Upper

178 100

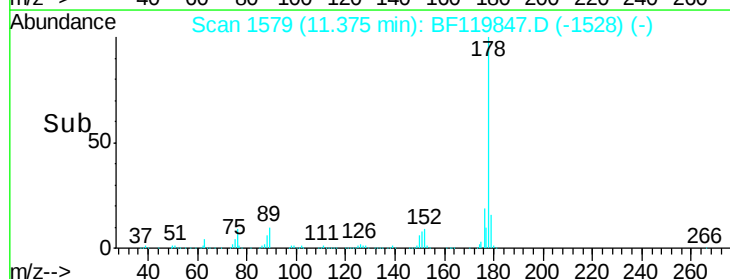
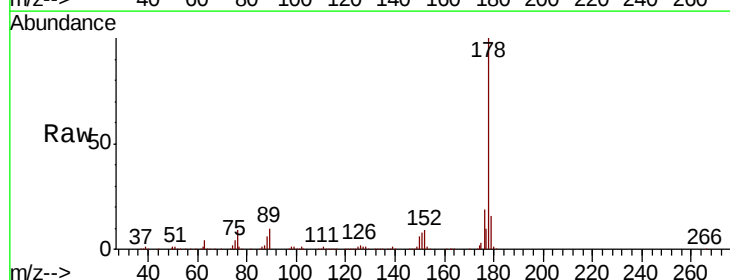
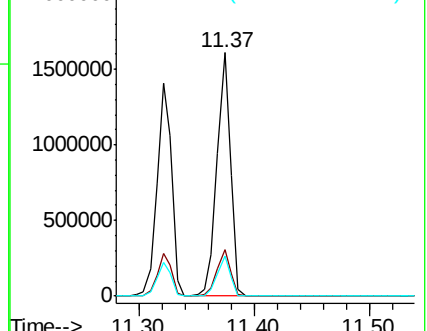
176 19.1 15.4 23.2

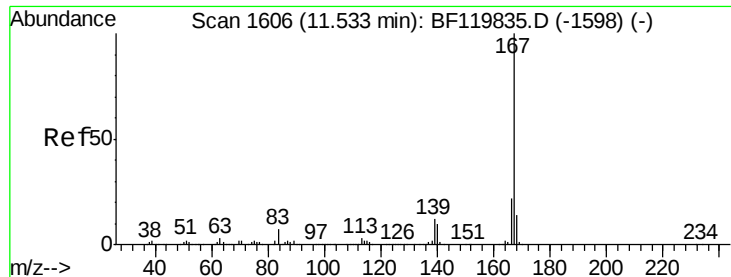
179 16.2 12.8 19.2

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





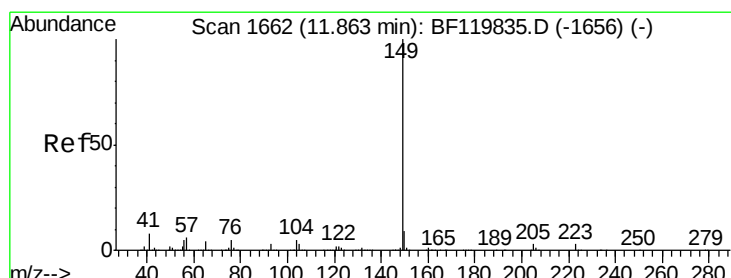
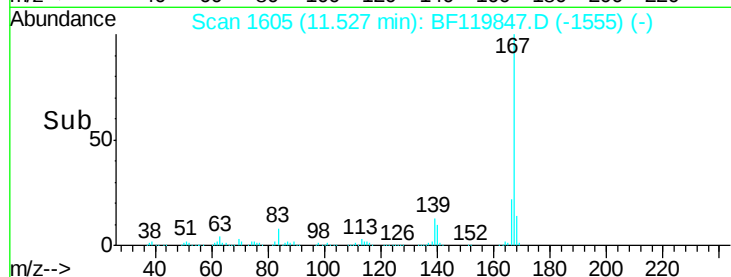
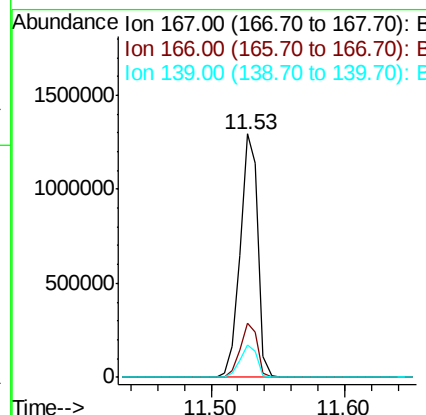
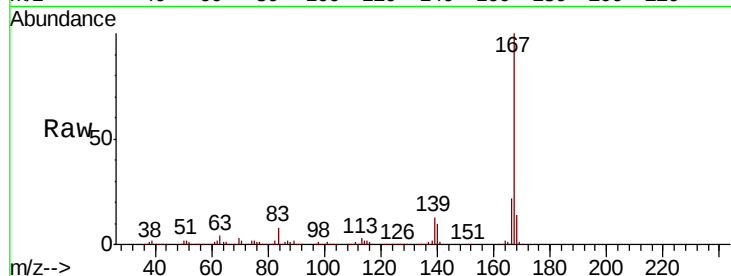
#73
 Carbazole
 Concen: 39.963 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.01 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Instrument :
 BNA_F
 ClientSampleId :
 PB128072BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.4	26.0
139	13.3	9.8	14.8

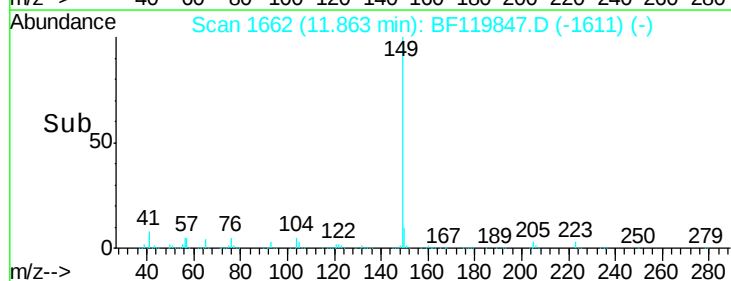
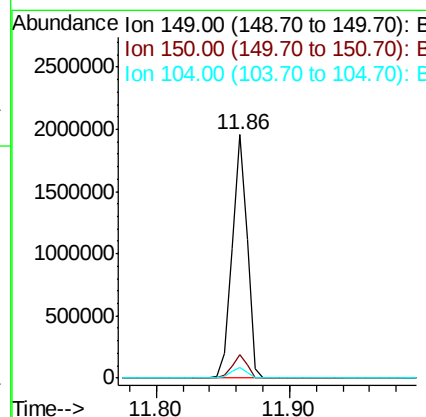
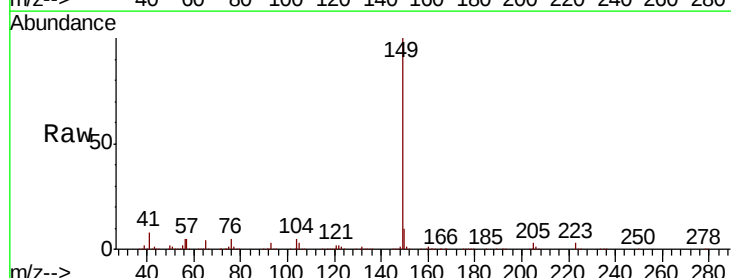
Manual Integrations
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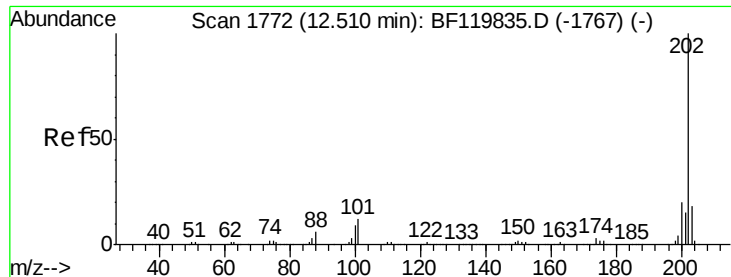
mohammad
 4/10/2020 9:57:23 AM



#74
 Di-n-butylphthalate
 Concen: 39.498 ng
 RT: 11.86 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.6	11.4
104	4.5	3.8	5.6





#75

Fluoranthene

Concen: 44.571 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Instrument :

BNA_F

ClientSampleId :

PB128072BS

Tot Ion:202 Resp: 1496479

Ion Ratio Lower Upper

202 100

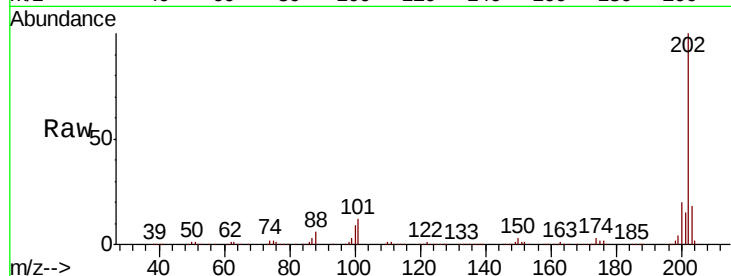
101 11.8 0.0 32.3

203 18.1 0.0 37.6

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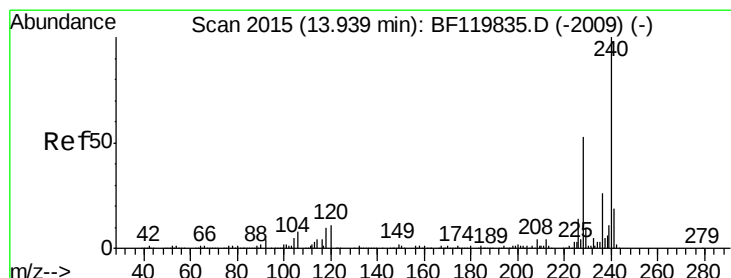
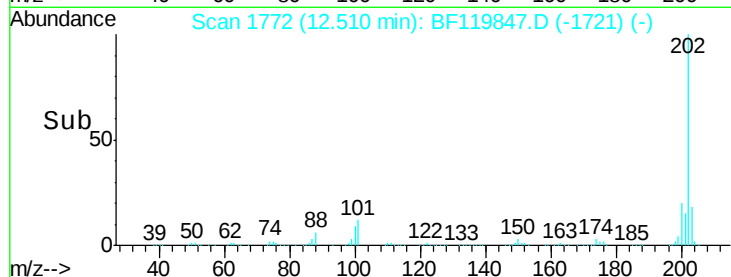
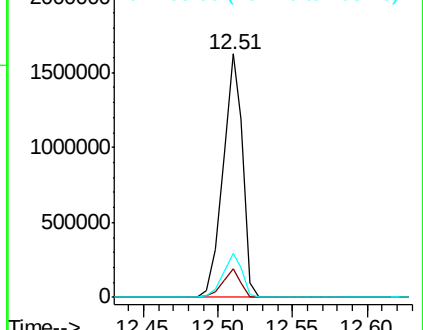
4/10/2020 9:57:23 AM



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: 13.94 min Scan# 1515

Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

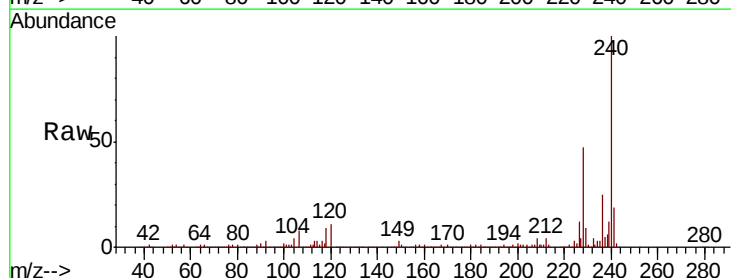
Tgt Ion:240 Resp: 474693

Ion Ratio Lower Upper

240 100

120 10.6 9.0 13.6

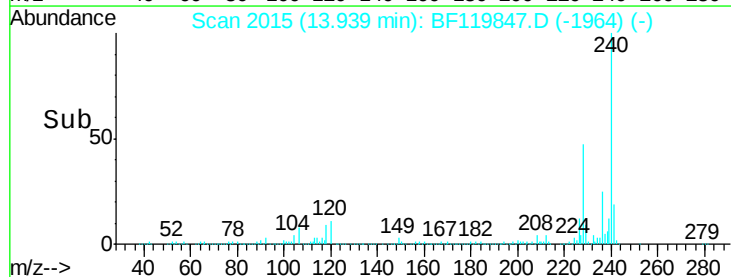
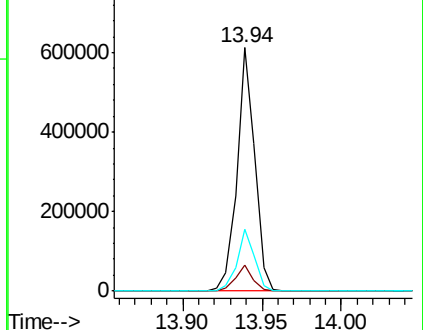
236 25.3 20.7 31.1

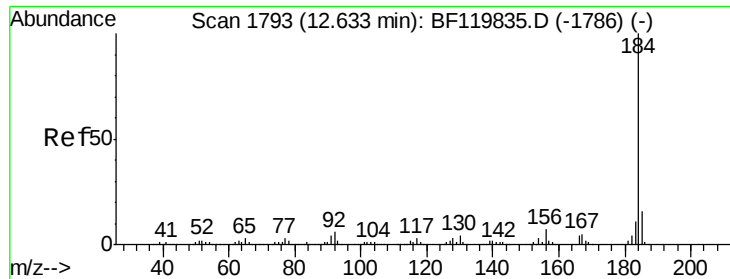


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 33.261 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Instrument :

BNA_F

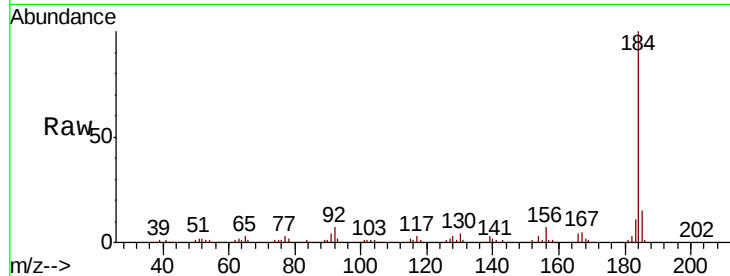
ClientSampleId :

PB128072BS

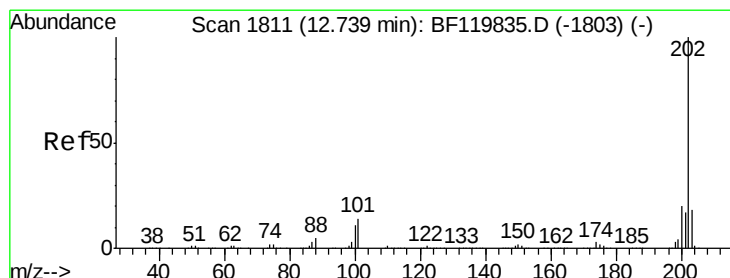
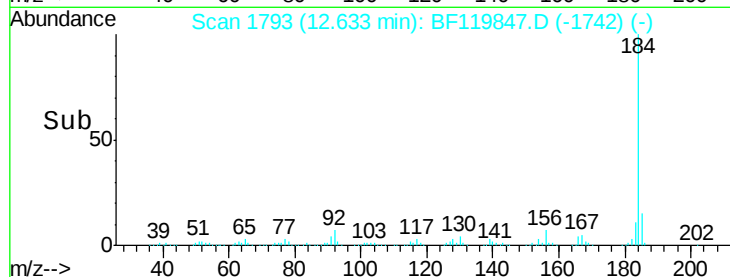
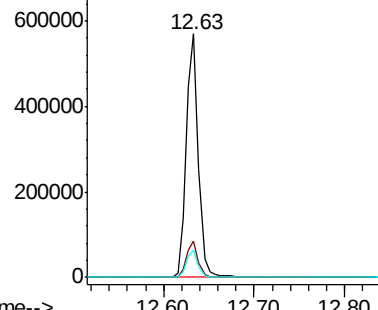
Tot Ion:	184	Resp:	533711
Ion Ratio	Lower	Upper	
184	100		
185	14.7	13.2	19.8
183	11.3	9.1	13.7

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 38.046 ng

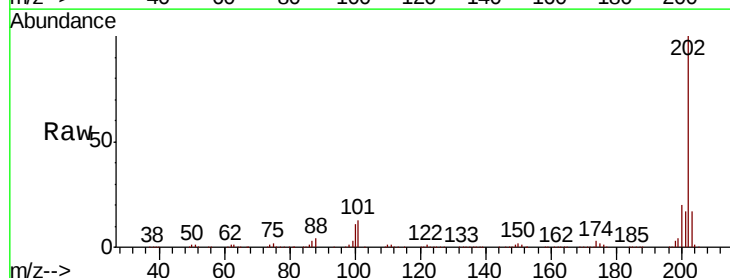
RT: 12.74 min Scan# 1811

Delta R.T. 0.00 min

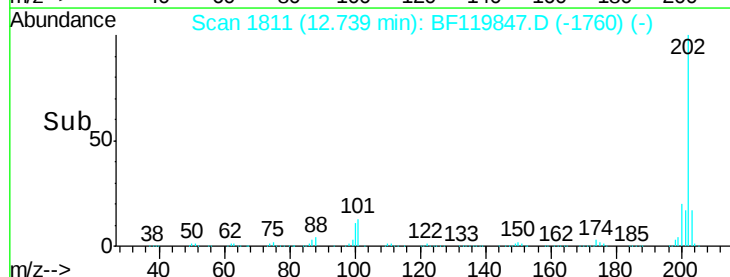
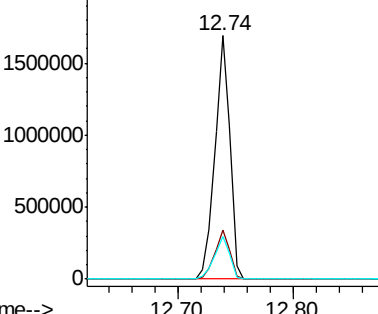
Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Tgt Ion:	202	Resp:	1522497
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.2	24.2
203	17.4	14.1	21.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





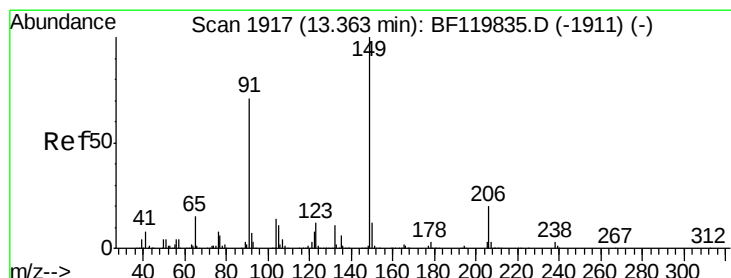
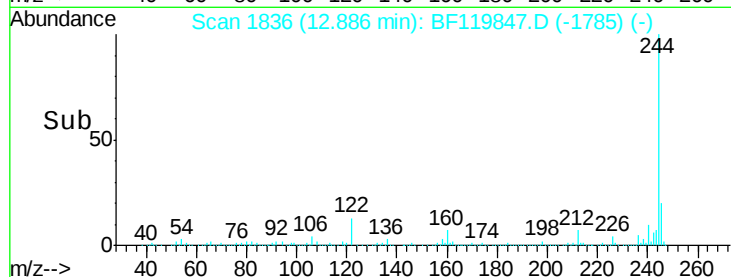
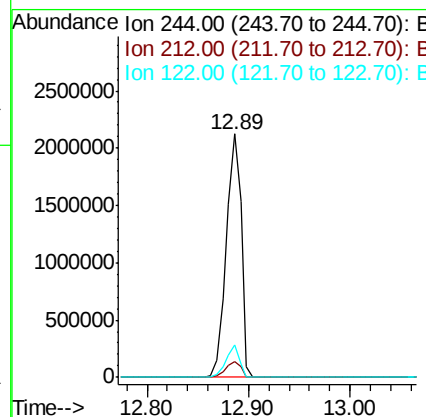
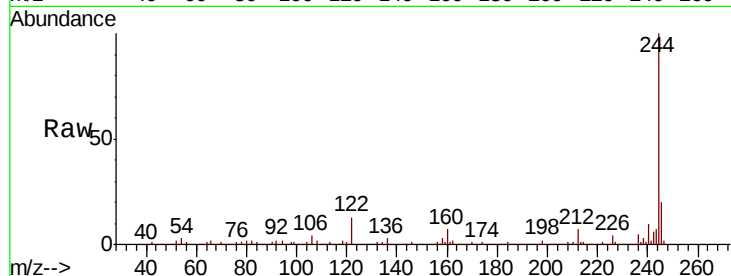
#79
 Terphenyl-d14
 Concen: 76.836 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Instrument :
 BNA_F
 ClientSampled :
 PB128072BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	13.1	10.3	15.5

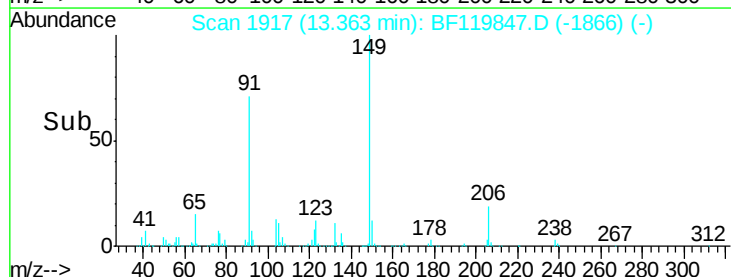
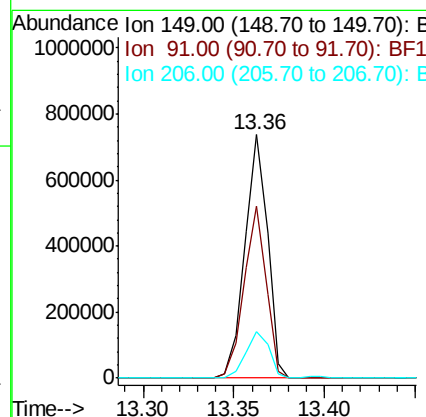
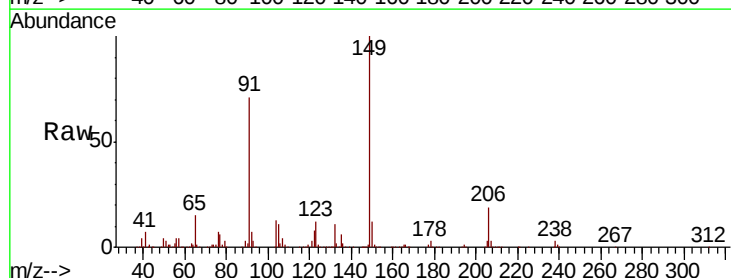
Manual Integrations
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#80
 Butylbenzylphthalate
 Concen: 32.935 ng
 RT: 13.36 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: BF119847.D
 Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Lower	Upper
149	100		
91	70.7	56.7	85.1
206	19.2	15.7	23.5





#81

Benzo(a)anthracene

Concen: 38.627 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Instrument :

BNA_F

ClientSampleId :

PB128072BS

Tot Ion:228 Resp: 1206246

Ion Ratio Lower Upper

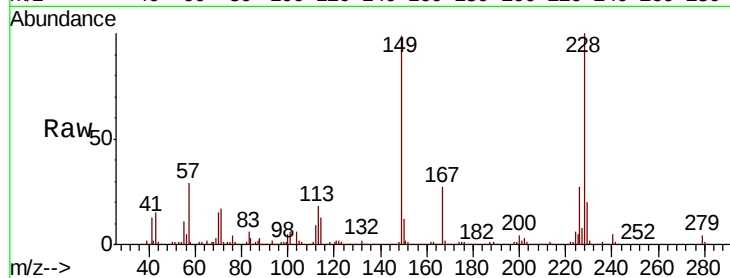
228 100

226 27.4 21.9 32.9

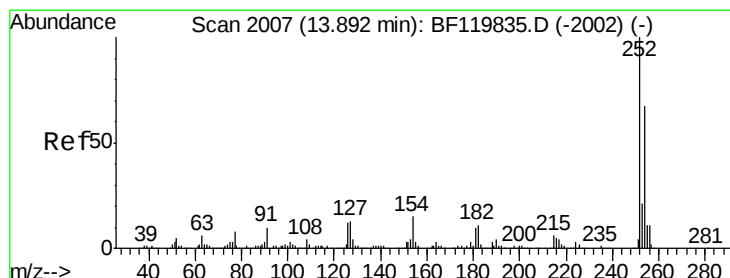
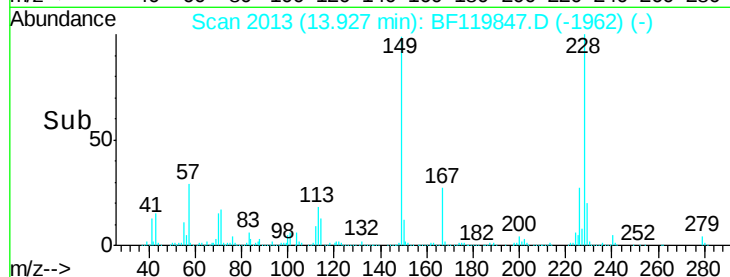
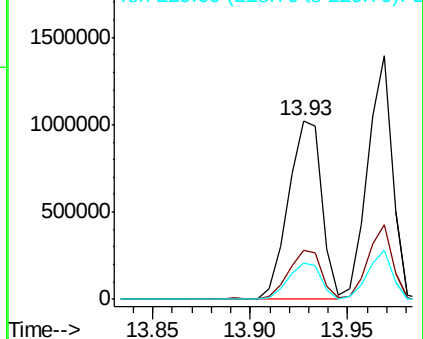
229 20.4 15.9 23.9

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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: 23.009 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

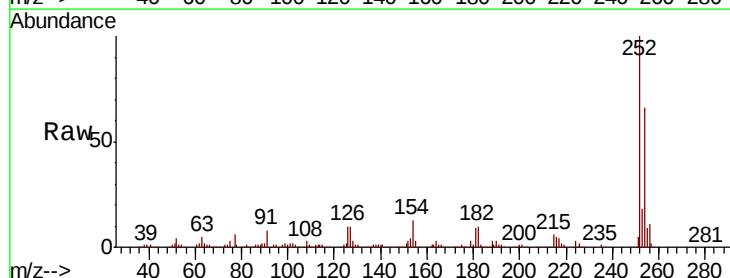
Tgt Ion:252 Resp: 268101

Ion Ratio Lower Upper

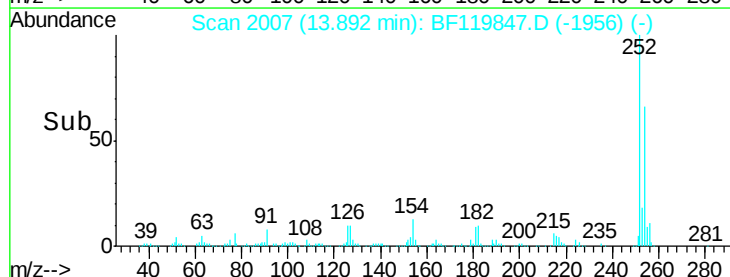
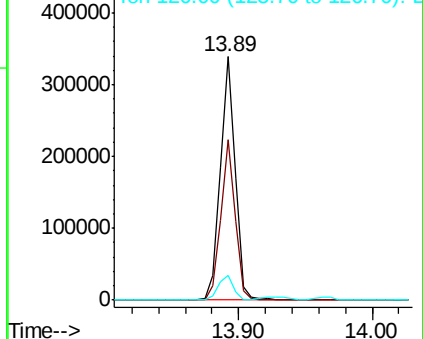
252 100

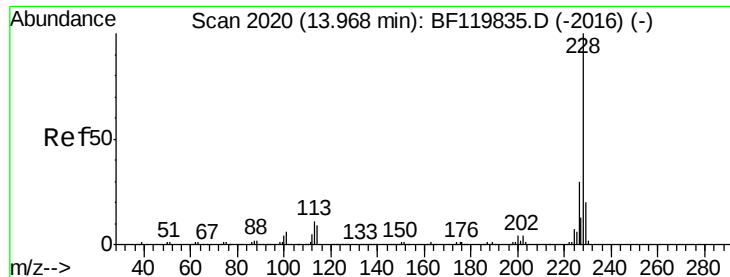
254 66.0 53.9 80.9

126 10.3 9.7 14.5



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





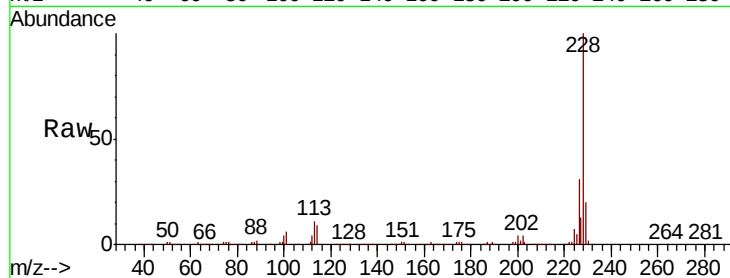
#83
Chrysene
Concen: 38.634 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.2	36.2
229	20.1	15.9	23.9

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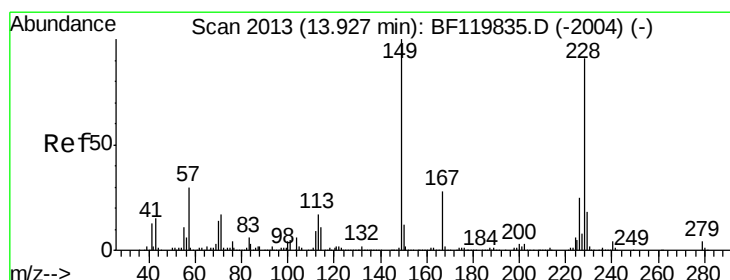
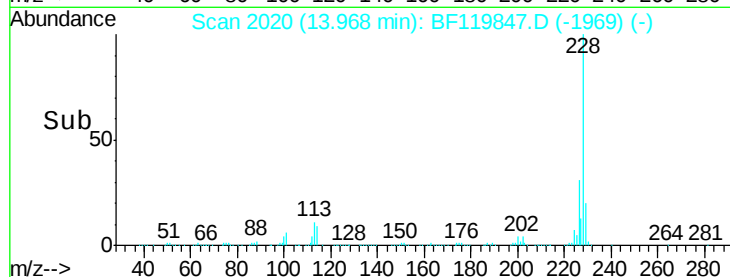
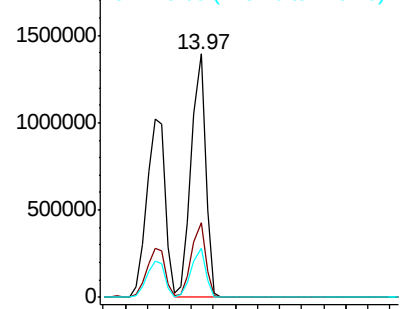


Abundance

Ion 228.00 (227.70 to 228.70): E

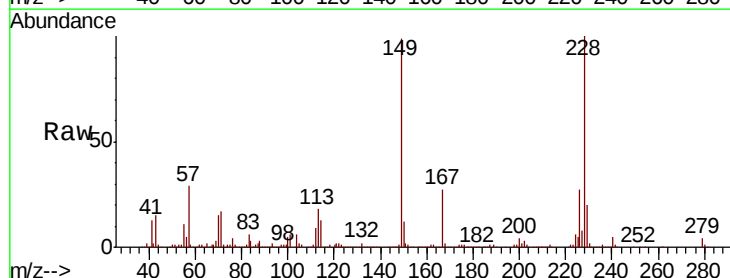
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
Bis(2-ethylhexyl)phthalate
Concen: 35.761 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.2	33.2
279	4.1	3.4	5.0

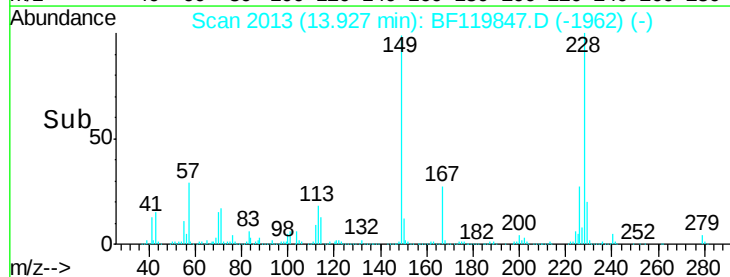
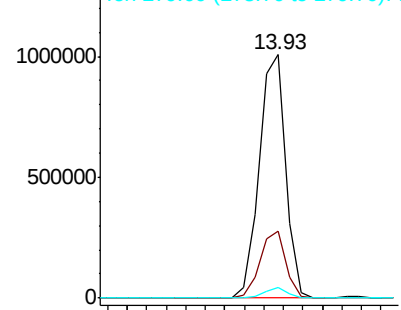


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





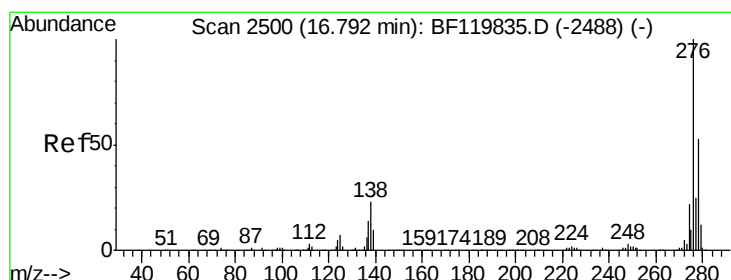
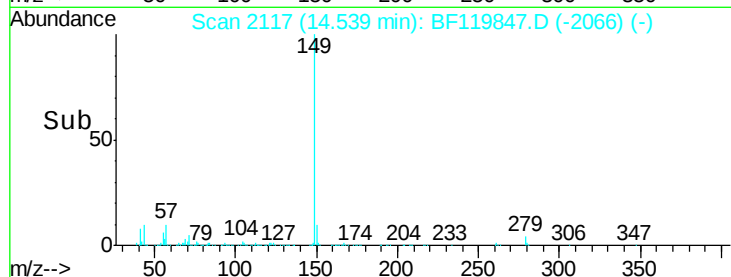
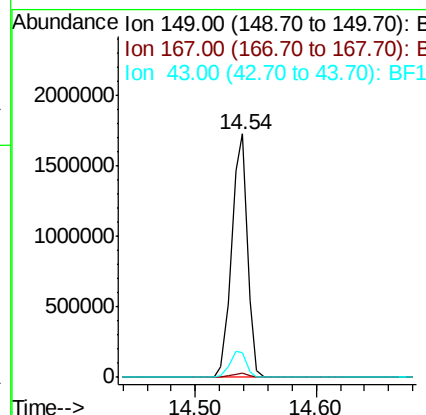
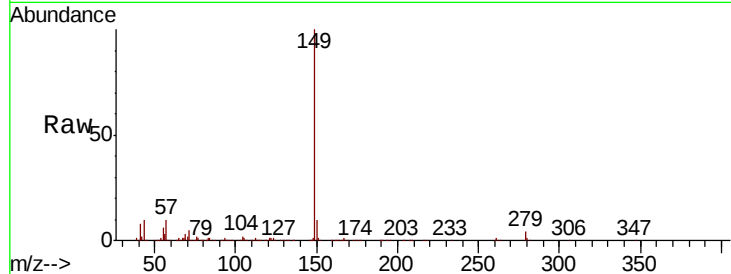
#85
Di-n-octyl phthalate
Concen: 34.756 ng
RT: 14.54 min Scan# 2117
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.4	9.2	13.8

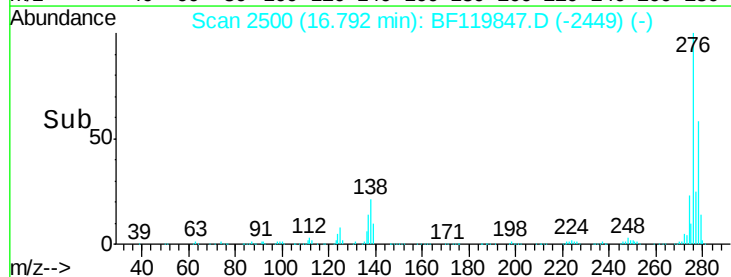
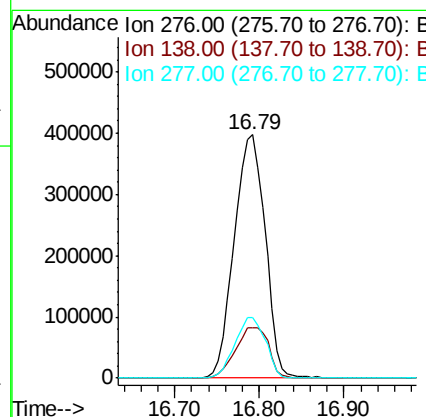
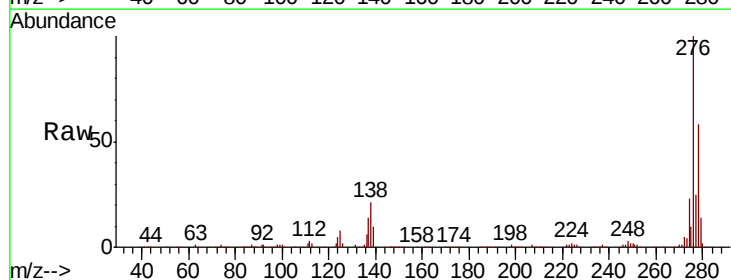
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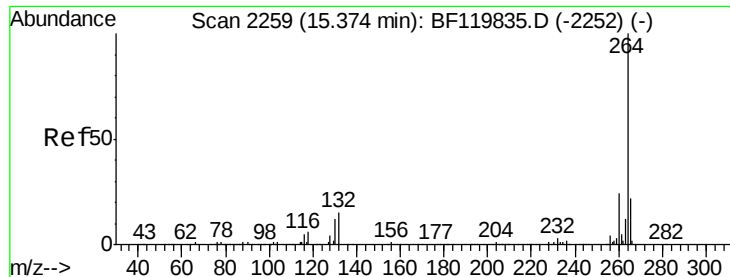
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 36.092 ng
RT: 16.79 min Scan# 2500
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	18.0	27.0
277	24.8	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Instrument :

BNA_F

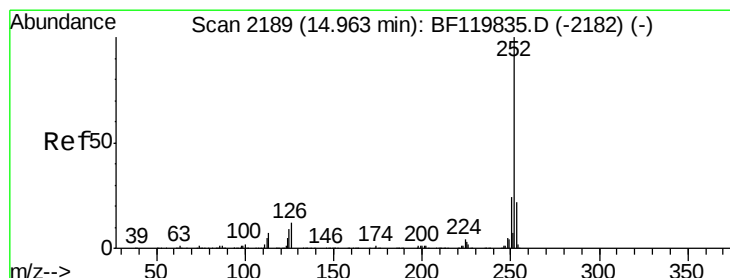
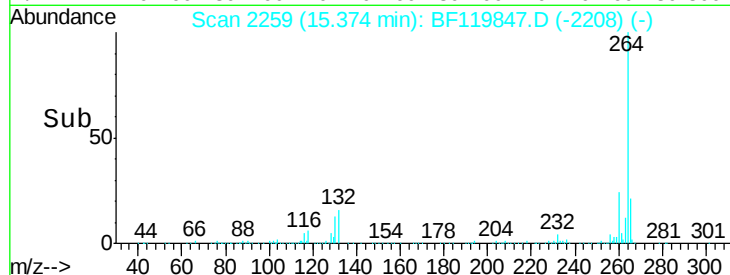
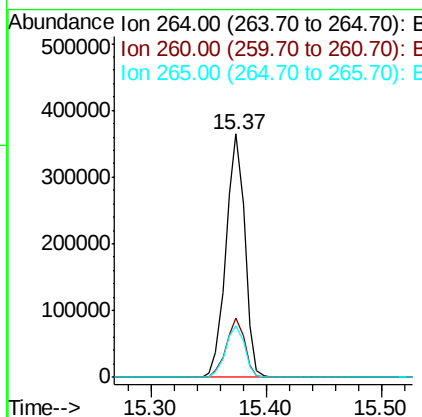
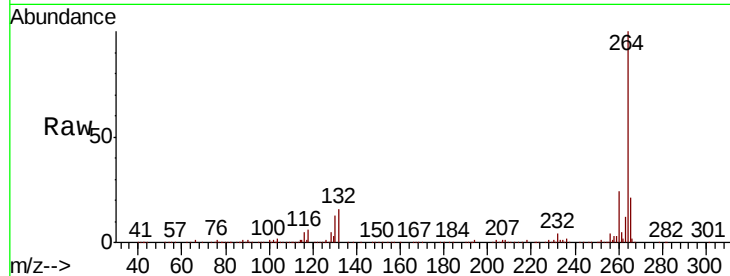
ClientSampled :

PB128072BS

Tot Ion:	264	Resp:	412436
Ion Ratio		Lower	Upper
264	100		
260	24.1	19.3	28.9
265	20.9	17.6	26.4

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#88

Benzo(b)fluoranthene

Concen: 37.695 ng

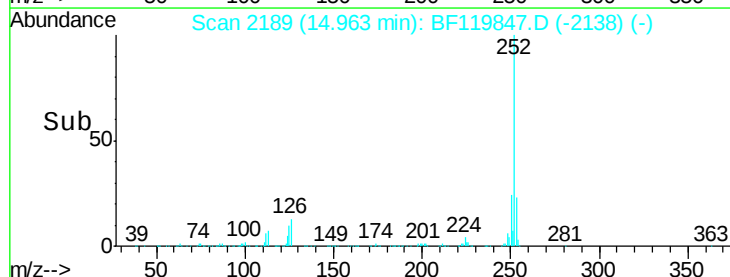
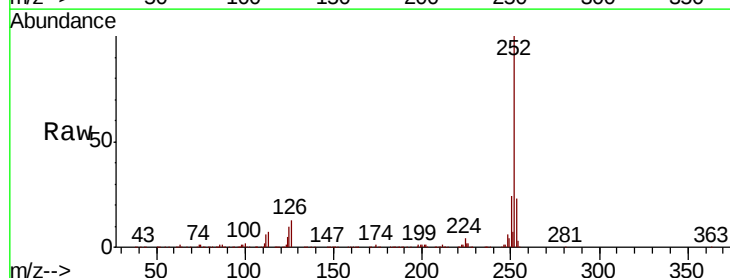
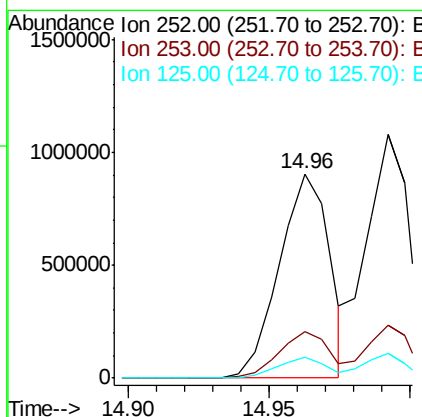
RT: 14.96 min Scan# 2189

Delta R.T. 0.00 min

Lab File: BF119847.D

Acq: 9 Apr 2020 2:05

Tgt Ion:	252	Resp:	1118384
Ion Ratio		Lower	Upper
252	100		
253	22.7	17.7	26.5
125	10.0	7.4	11.2





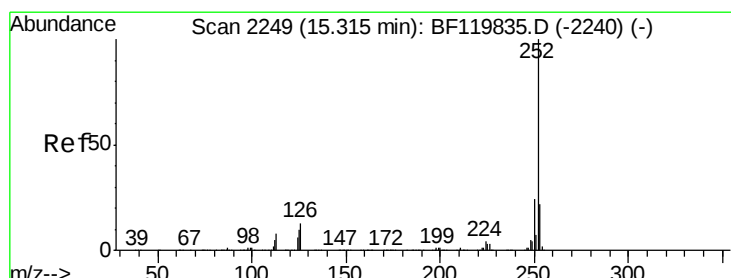
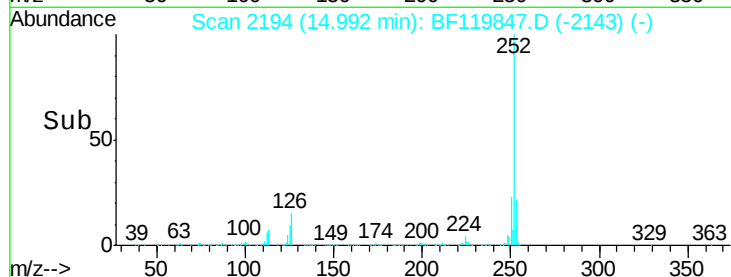
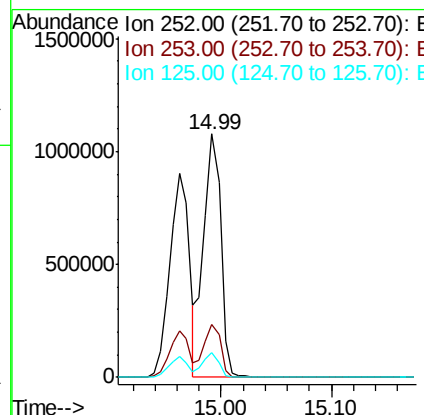
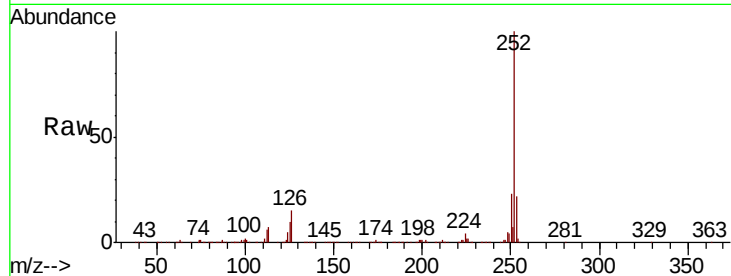
#89
Benzo(k)fluoranthene
Concen: 44.230 ng
RT: 14.99 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	10.0	7.7	11.5

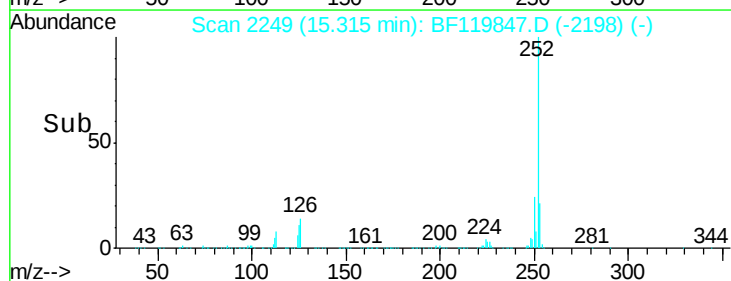
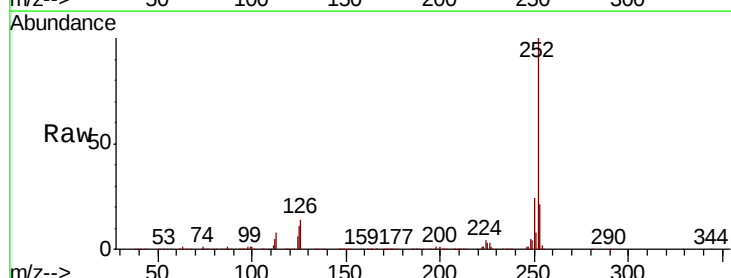
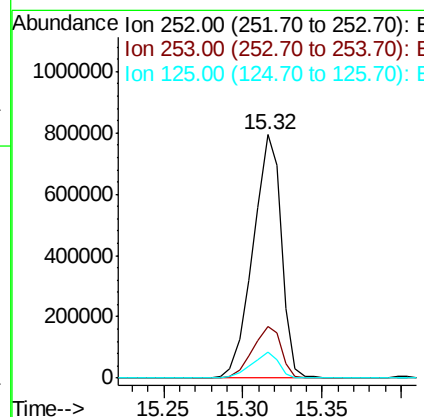
Manual Integrations
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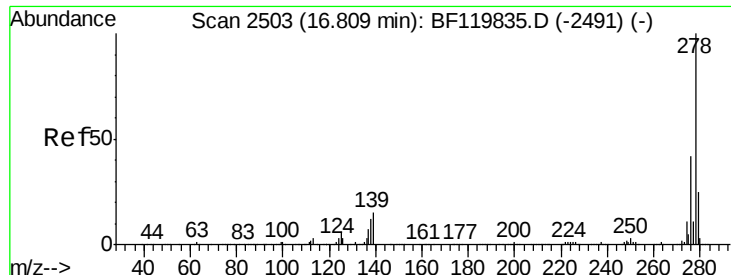
mohammad
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#90
Benzo(a)pyrene
Concen: 39.579 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	10.9	8.3	12.5





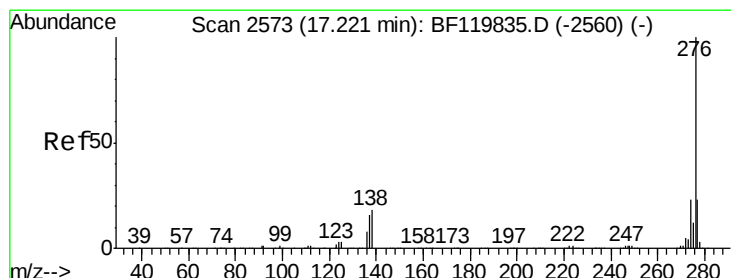
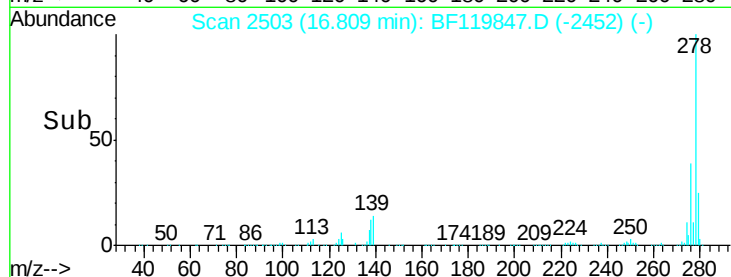
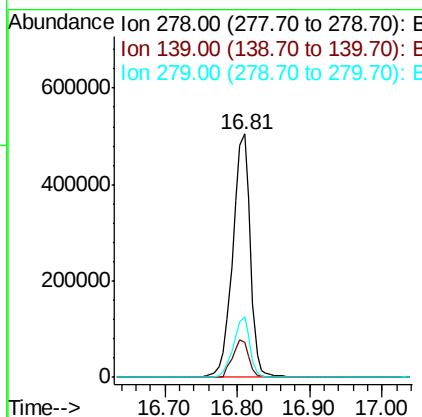
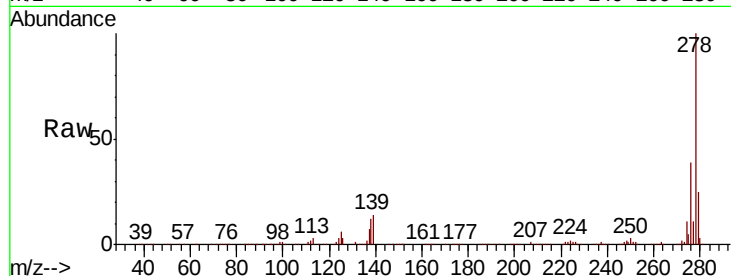
#91
Dibenzo(a,h)anthracene
Concen: 38.620 ng
RT: 16.81 min Scan# 2503
Delta R.T. 0.00 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Instrument :
BNA_F
ClientSampleId :
PB128072BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.4	11.6	17.4
279	24.6	19.7	29.5

Manual Integrations
APPROVED

mohammad
4/10/2020 9:57:23 AM



#92
Benzo(g,h,i)perylene
Concen: 36.458 ng
RT: 17.22 min Scan# 2572
Delta R.T. -0.01 min
Lab File: BF119847.D
Acq: 9 Apr 2020 2:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.5	27.7
138	20.1	14.6	22.0

