

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070221\
 Data File : BF124531.D
 Acq On : 2 Jul 2021 22:15
 Operator : JU/CG
 Sample : M2913-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-4300

Quant Time: Jul 03 01:46:15 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 02 14:41:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

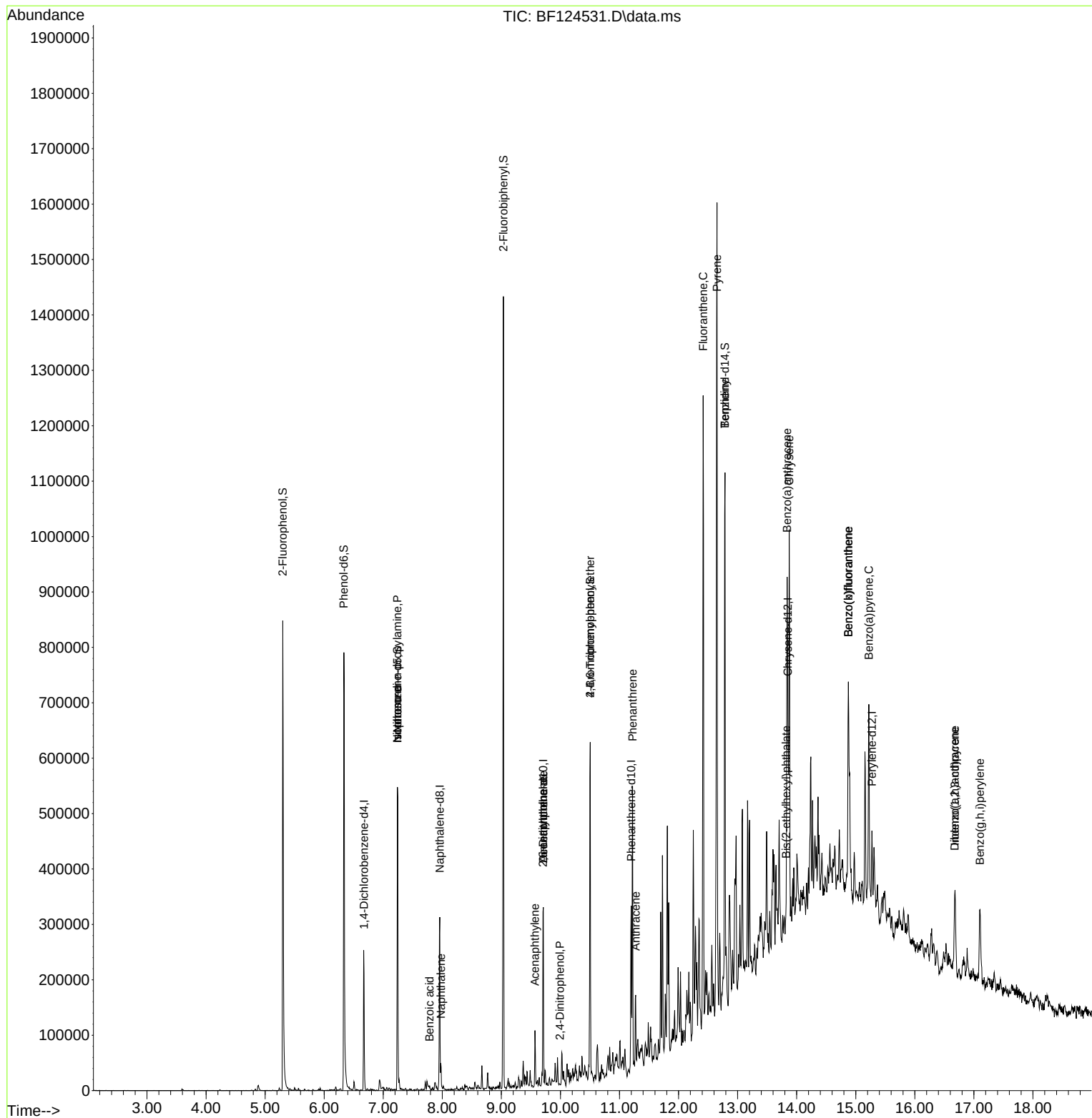
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.675	152	34211	20.00	ng	0.00
21) Naphthalene-d8	7.957	136	127976	20.00	ng	# 0.00
39) Acenaphthene-d10	9.710	164	63610	20.00	ng	0.00
64) Phenanthrene-d10	11.198	188	100963	20.00	ng	# 0.00
76) Chrysene-d12	13.851	240	74375	20.00	ng	0.01
86) Perylene-d12	15.274	264	46365	20.00	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	216331	99.45	ng	0.00
7) Phenol-d6	6.334	99	258053	90.85	ng	0.00
23) Nitrobenzene-d5	7.239	82	179702	58.22	ng	-0.01
42) 2,4,6-Tribromophenol	10.504	330	63469	83.51	ng	0.00
45) 2-Fluorobiphenyl	9.034	172	357417	68.83	ng	0.00
79) Terphenyl-d14	12.786	244	295282	59.46	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.239	70	25575	13.39	ng	# 59
25) Isophorone	7.239	82	179698	33.86	ng	# 69
31) Naphthalene	7.975	128	19358	2.57	ng	# 96
32) Benzoic acid	7.787	122	181	7.32	ng	84
49) Acenaphthylene	9.569	152	33906	5.30	ng	# 88
50) Dimethylphthalate	9.710	163	11061	2.21	ng	# 1
51) 2,6-Dinitrotoluene	9.704	165	9389	8.10	ng	# 14
54) 2,4-Dinitrophenol	9.992	184	182	6.08	ng	# 9
67) 4-Bromophenyl-phenylether	10.504	248	4607	3.39	ng	# 1
71) Phenanthrene	11.222	178	174693	27.45	ng	98
72) Anthracene	11.275	178	53216	8.39	ng	99
75) Fluoranthene	12.416	202	420328	65.63	ng	96
77) Benzidine	12.786	184	6787	4.55	ng	98
78) Pyrene	12.651	202	623676	91.87	ng	99
81) Benzo(a)anthracene	13.839	228	230238	42.94	ng	93
83) Chrysene	13.874	228	245972	46.29	ng	95
84) Bis(2-ethylhexyl)phtha...	13.821	149	9118	2.52	ng	# 83
87) Indeno(1,2,3-cd)pyrene	16.680	276	90755	24.82	ng	96
88) Benzo(b)fluoranthene	14.874	252	272816	77.65	ng	# 97
89) Benzo(k)fluoranthene	14.874	252	272816	84.87	ng	# 98
90) Benzo(a)pyrene	15.221	252	158747	50.85	ng	98
91) Dibenzo(a,h)anthracene	16.674	278	21690	6.89	ng	# 79
92) Benzo(g,h,i)perylene	17.104	276	97207	31.37	ng	98

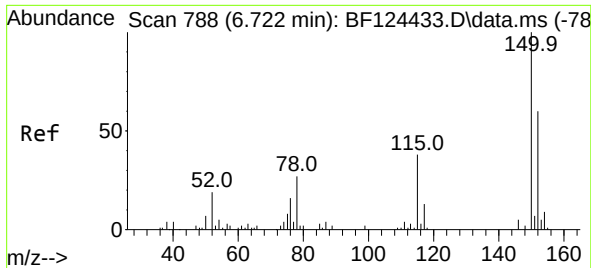
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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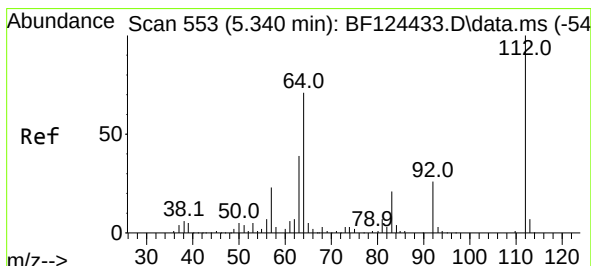
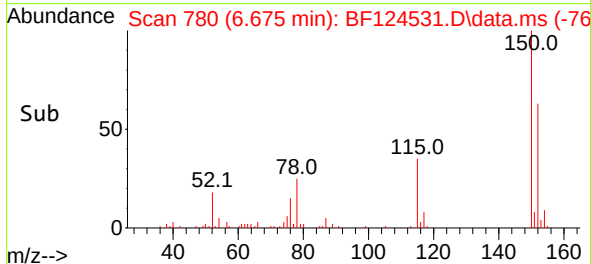
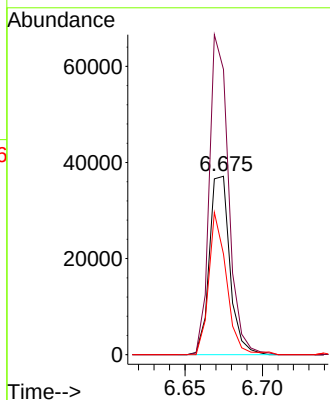
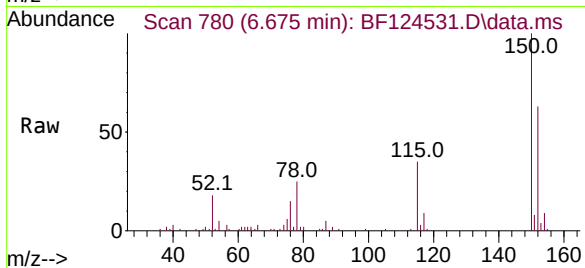




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.675 min Scan# 780
 Delta R.T. -0.000 min
 Lab File: BF124531.D
 Acq: 2 Jul 2021 22:15

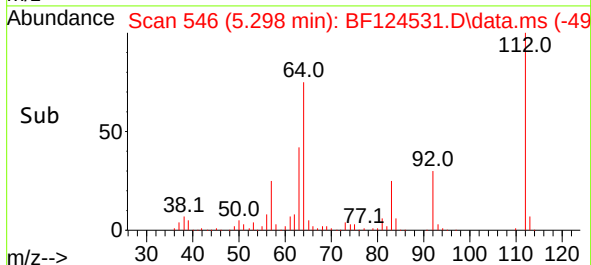
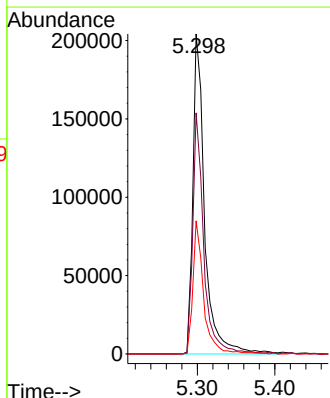
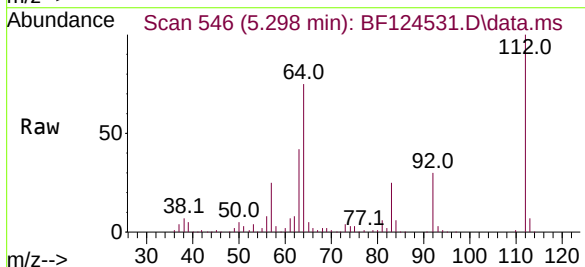
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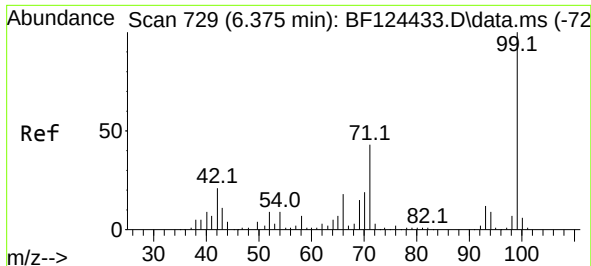
Tgt Ion:152 Resp: 34211
 Ion Ratio Lower Upper
 152 100
 150 159.8 127.0 190.6
 115 56.4 54.3 81.5



#5
 2-Fluorophenol
 Concen: 99.45 ng
 RT: 5.298 min Scan# 546
 Delta R.T. 0.006 min
 Lab File: BF124531.D
 Acq: 2 Jul 2021 22:15

Tgt Ion:112 Resp: 216331
 Ion Ratio Lower Upper
 112 100
 64 75.4 61.4 92.0
 63 41.6 33.0 49.4

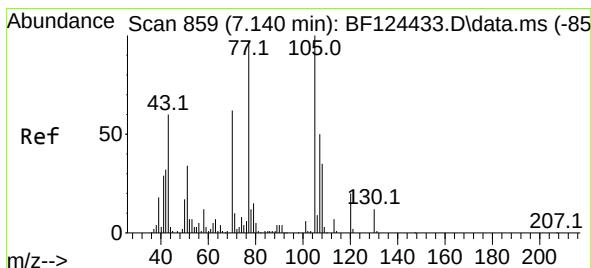
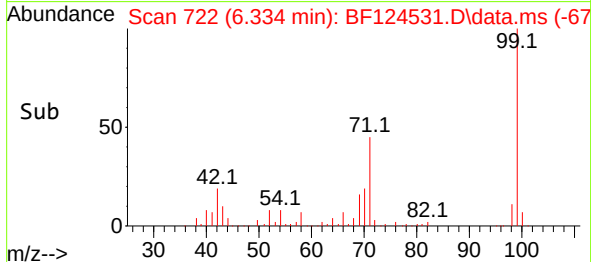
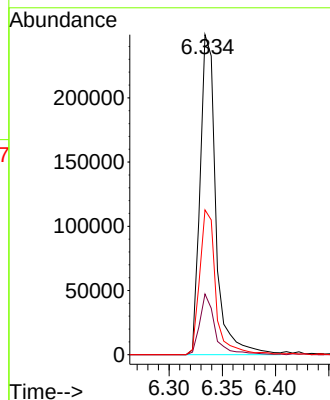
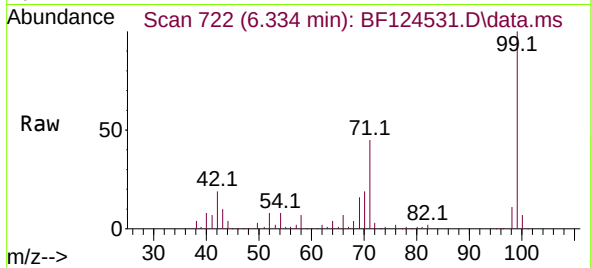




#7
Phenol-d6
Concen: 90.85 ng
RT: 6.334 min Scan# 722
Delta R.T. 0.000 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

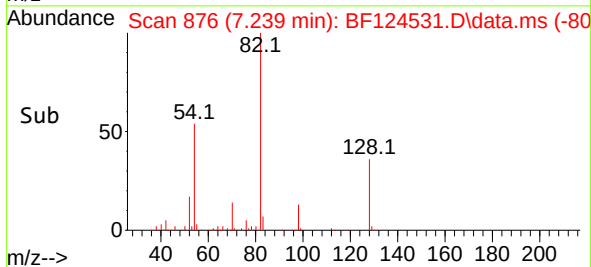
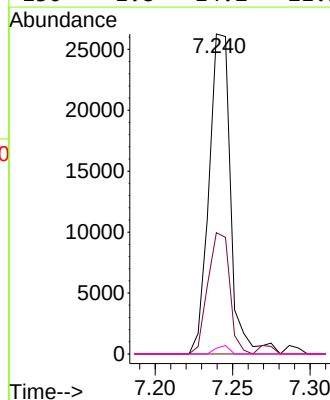
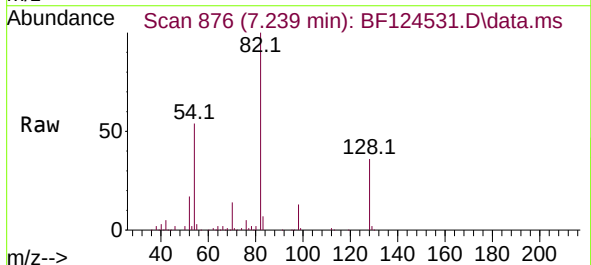
Instrument :
BNA_F
ClientSampleId :
D-4300

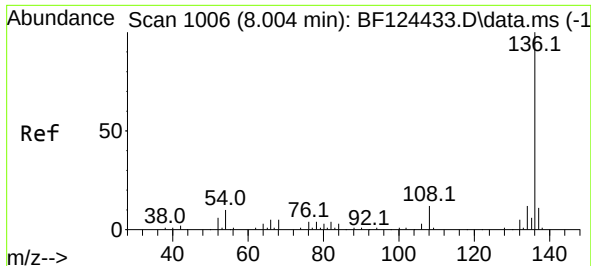
Tgt Ion: 99 Resp: 258053
Ion Ratio Lower Upper
99 100
42 18.9 19.8 29.8#
71 45.3 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.39 ng
RT: 7.239 min Scan# 876
Delta R.T. 0.141 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion: 70 Resp: 25575
Ion Ratio Lower Upper
70 100
42 37.9 60.1 90.1#
101 0.0 7.4 11.2#
130 1.8 14.2 21.2#

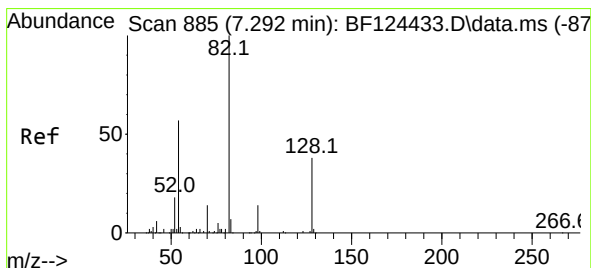
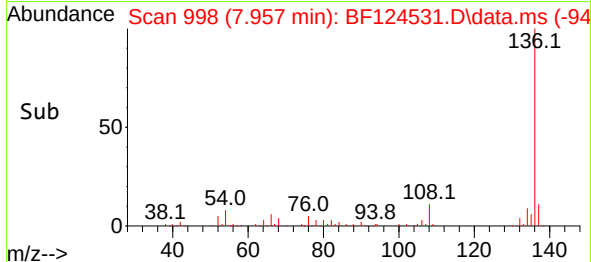
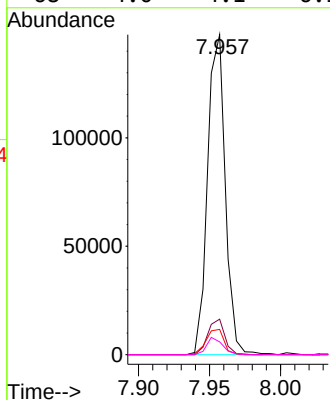
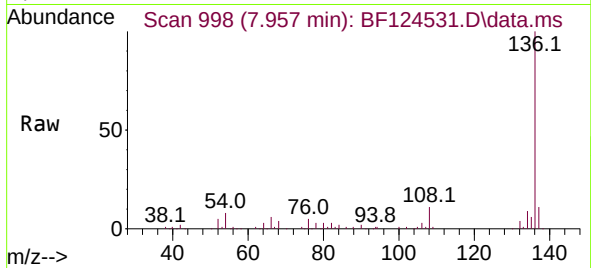




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.957 min Scan# 998
Delta R.T. 0.000 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

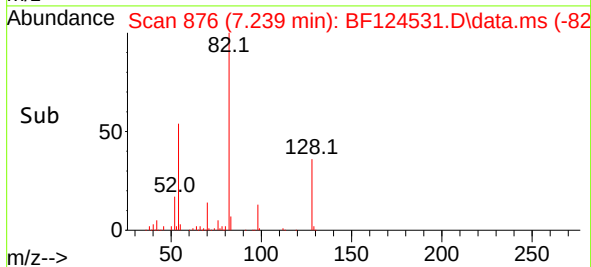
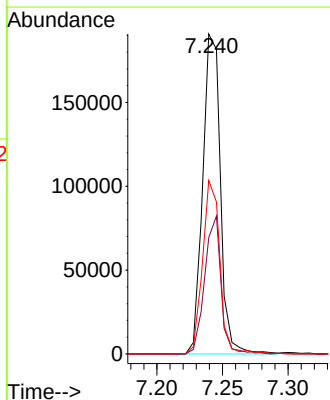
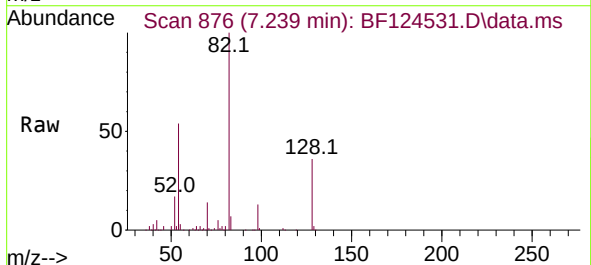
Instrument :
BNA_F
ClientSampleId :
D-4300

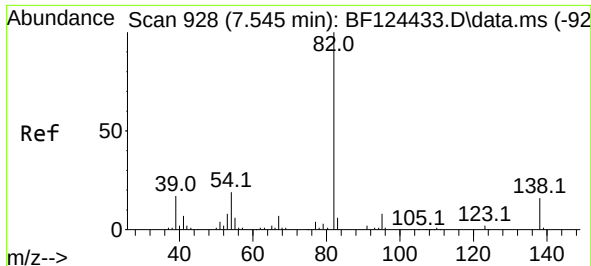
Tgt Ion:136	Resp:	127976
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.7 13.1
54	7.9	9.8 14.6#
68	4.0	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 58.22 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion: 82	Resp:	179702
Ion Ratio	Lower	Upper
82	100	
128	36.3	29.4 44.2
54	54.2	54.1 81.1

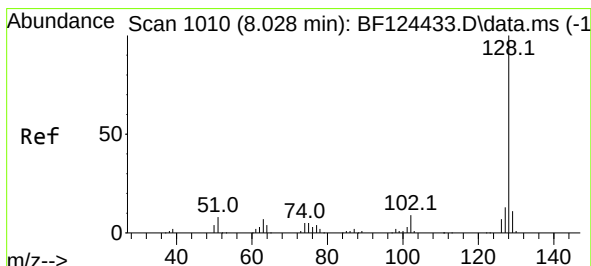
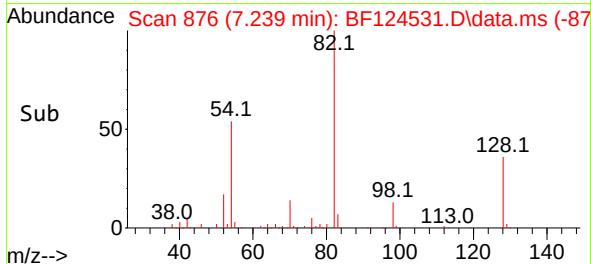
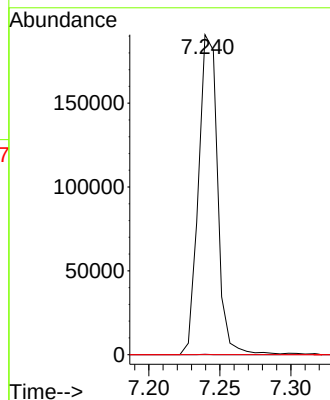
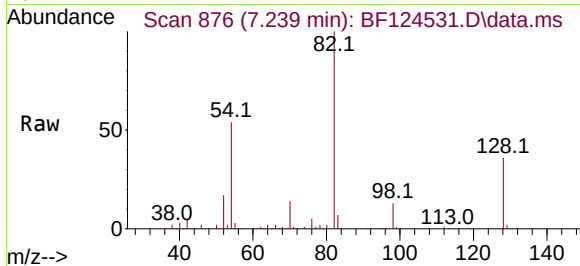




#25
Isophorone
Concen: 33.86 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.265 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

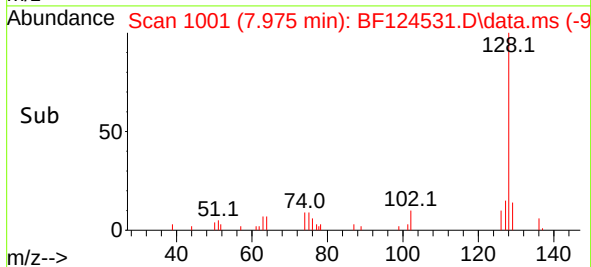
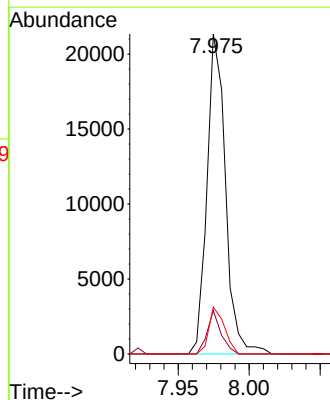
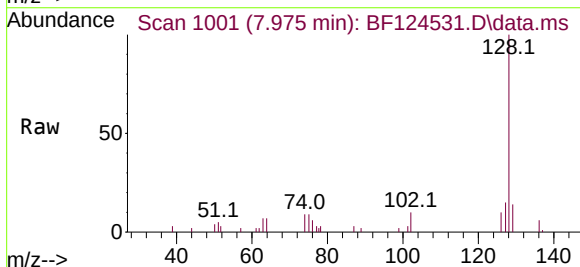
Instrument :
BNA_F
ClientSampleId :
D-4300

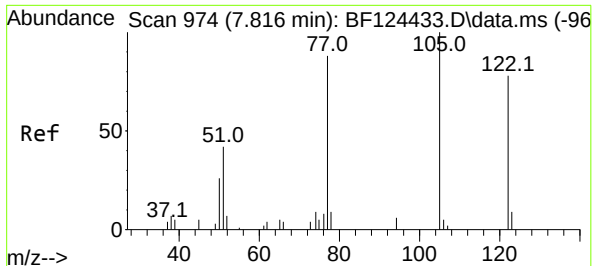
Tgt Ion: 82 Resp: 179698
Ion Ratio Lower Upper
82 100
95 0.2 5.8 8.6#
138 0.0 11.8 17.8#



#31
Naphthalene
Concen: 2.57 ng
RT: 7.975 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion: 128 Resp: 19358
Ion Ratio Lower Upper
128 100
129 13.6 8.9 13.3#
127 14.6 10.8 16.2





#32

Benzoic acid

Concen: 7.32 ng

RT: 7.787 min Scan# 969

Delta R.T. -0.018 min

Lab File: BF124531.D

Acq: 2 Jul 2021 22:15

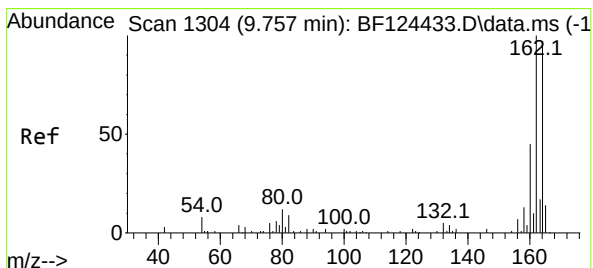
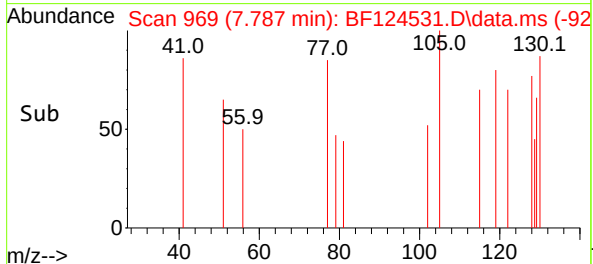
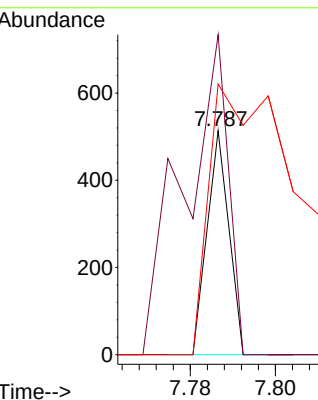
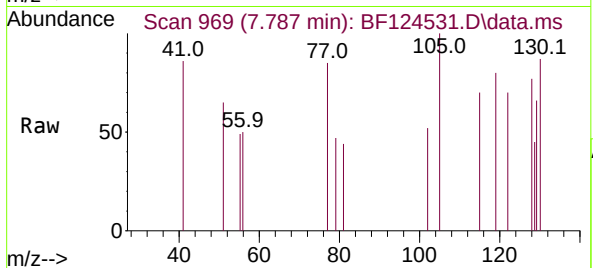
Tgt Ion:122 Resp: 181

Ion Ratio Lower Upper

122 100

105 142.8 107.8 147.8

77 120.8 81.6 121.6



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.710 min Scan# 1296

Delta R.T. 0.000 min

Lab File: BF124531.D

Acq: 2 Jul 2021 22:15

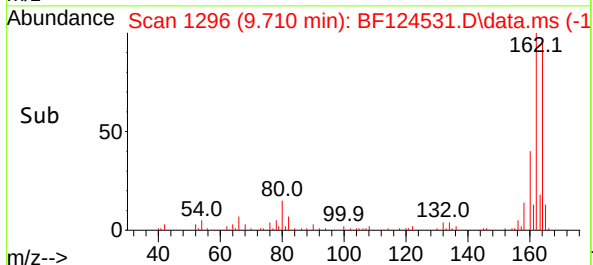
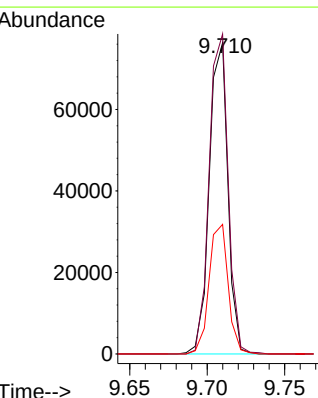
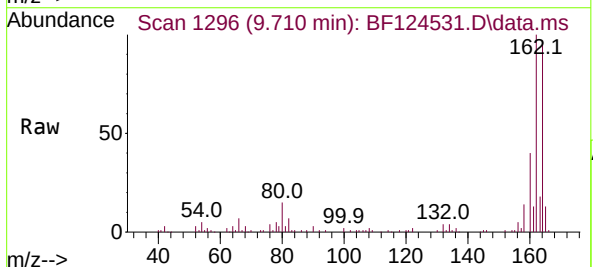
Tgt Ion:164 Resp: 63610

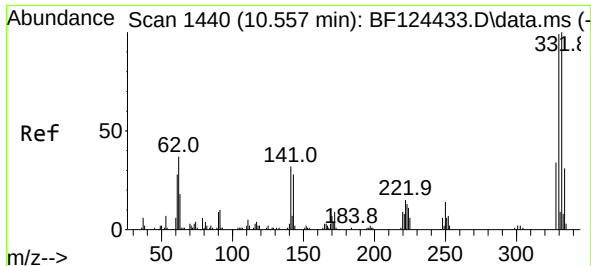
Ion Ratio Lower Upper

164 100

162 102.8 80.7 121.1

160 41.6 37.3 55.9

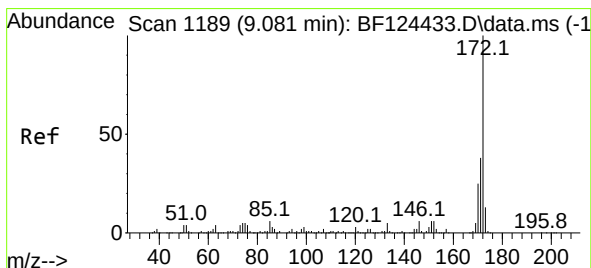
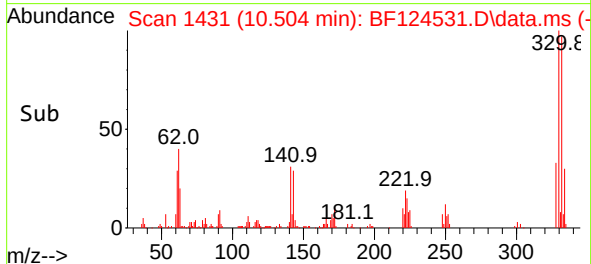
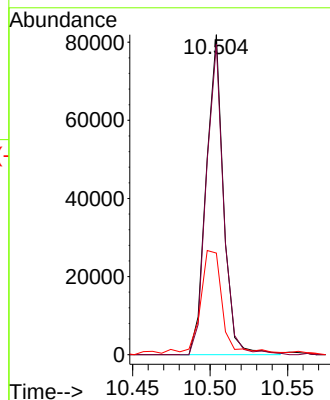
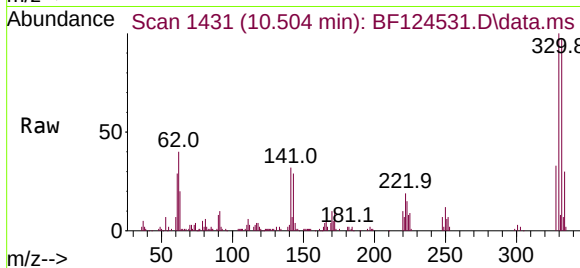




#42
2,4,6-Tribromophenol
Concen: 83.51 ng
RT: 10.504 min Scan# 1431
Delta R.T. 0.000 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

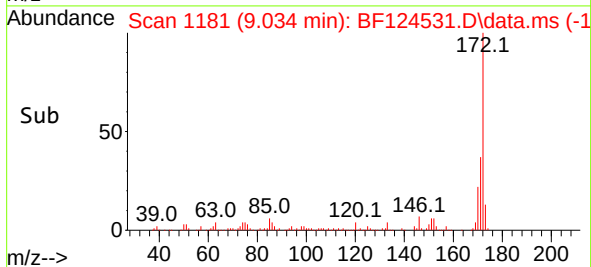
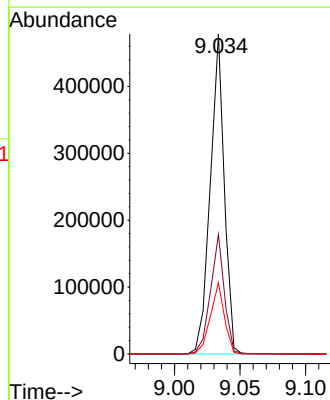
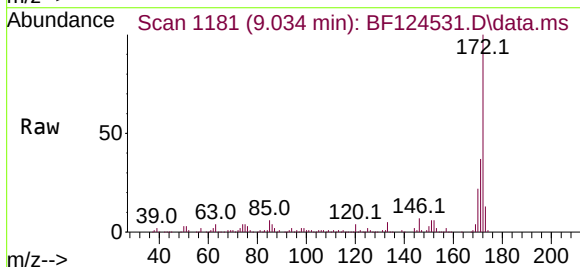
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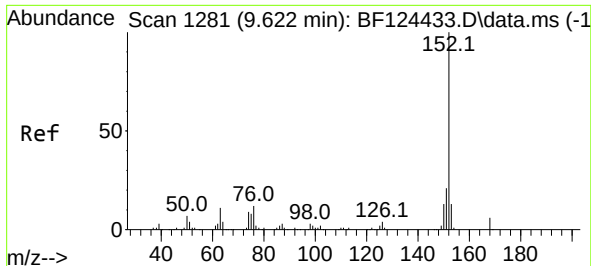
Tgt Ion: 330 Resp: 63469
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 39.9 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 68.83 ng
RT: 9.034 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion: 172 Resp: 357417
Ion Ratio Lower Upper
172 100
171 37.4 28.1 42.1
170 22.2 19.2 28.8





#49

Acenaphthylene

Concen: 5.30 ng

RT: 9.569 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF124531.D

Acq: 2 Jul 2021 22:15

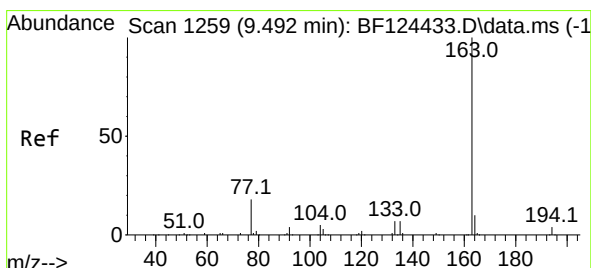
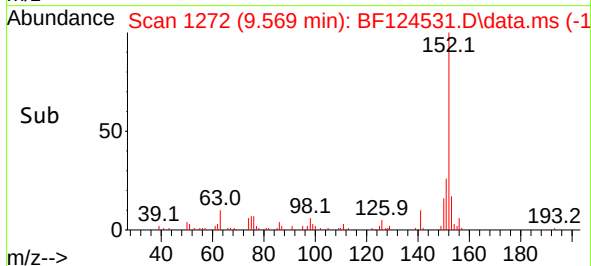
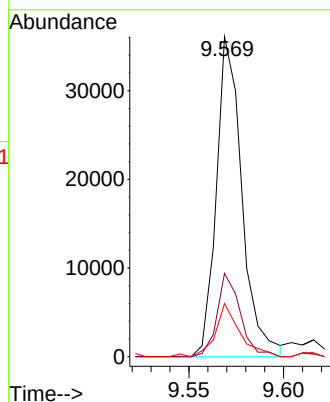
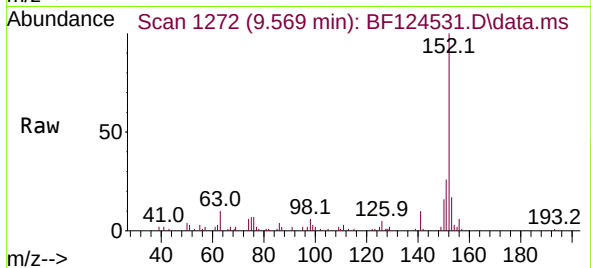
Tgt Ion:	152	Resp:	33906
Ion Ratio	Lower	Upper	
152	100		
151	26.0	16.0	24.0#
153	16.6	10.4	15.6#

Instrument :

BNA_F

ClientSampleId :

D-4300



#50

Dimethylphthalate

Concen: 2.21 ng

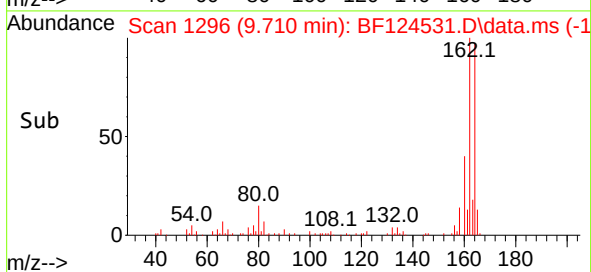
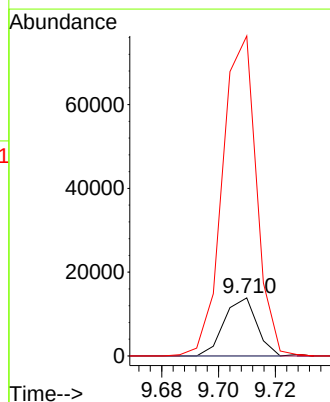
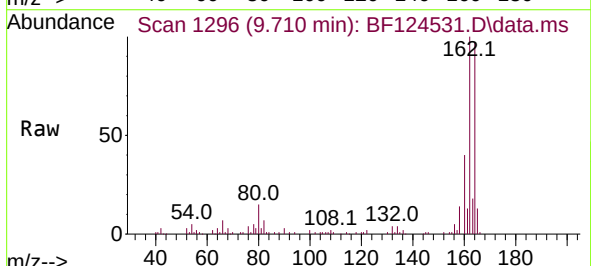
RT: 9.710 min Scan# 1296

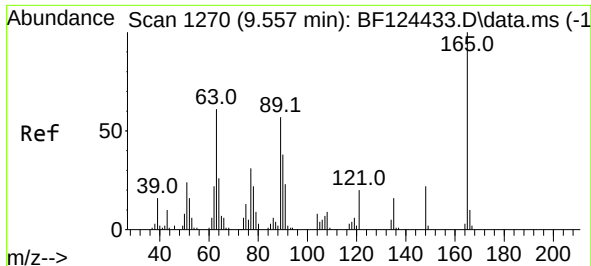
Delta R.T. 0.265 min

Lab File: BF124531.D

Acq: 2 Jul 2021 22:15

Tgt Ion:	163	Resp:	11061
Ion Ratio	Lower	Upper	
163	100		
194	0.0	3.1	4.7#
164	551.0	8.2	12.2#

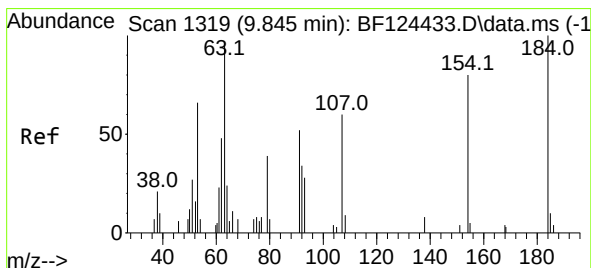
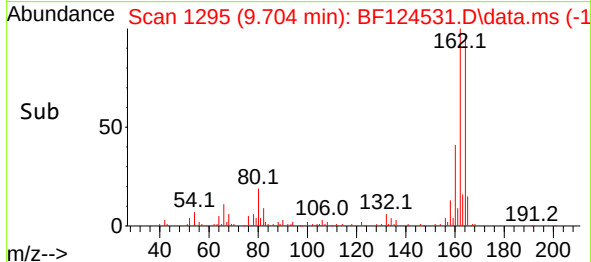
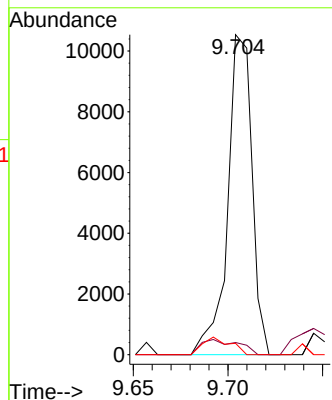
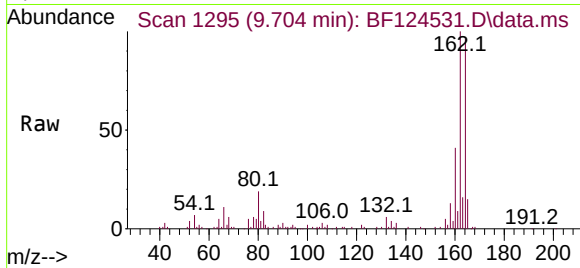




#51
2,6-Dinitrotoluene
Concen: 8.10 ng
RT: 9.704 min Scan# 1295
Delta R.T. 0.194 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

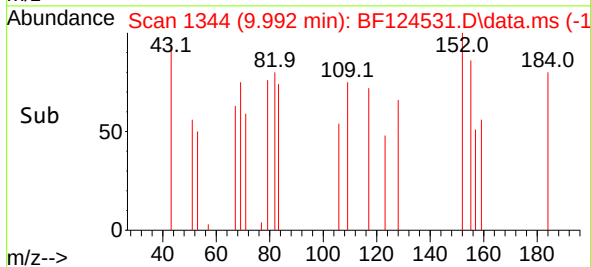
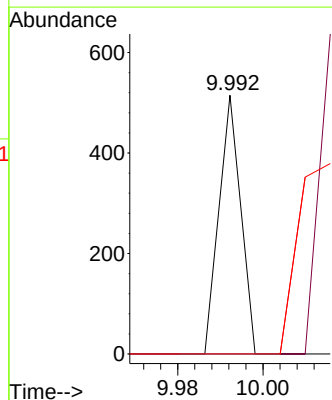
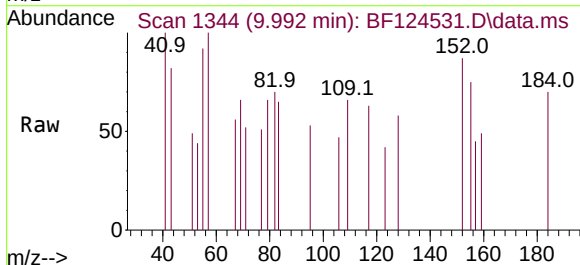
Instrument :
BNA_F
ClientSampled :
D-4300

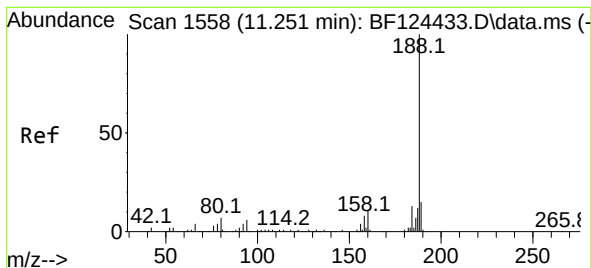
Tgt Ion:165 Resp: 9389
Ion Ratio Lower Upper
165 100
63 3.8 67.7 101.5#
89 3.5 58.8 88.2#



#54
2,4-Dinitrophenol
Concen: 6.08 ng
RT: 9.992 min Scan# 1344
Delta R.T. 0.182 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion:184 Resp: 182
Ion Ratio Lower Upper
184 100
63 0.0 73.5 110.3#
154 0.0 52.5 78.7#

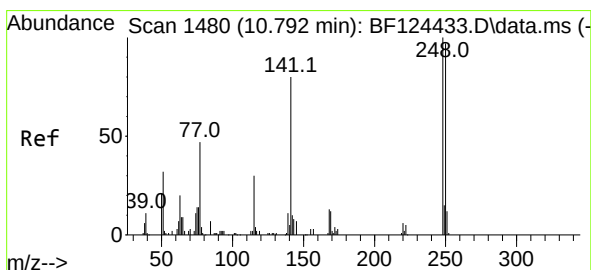
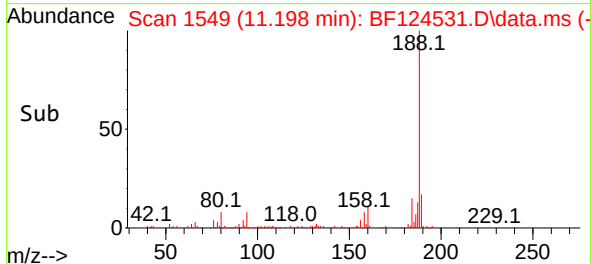
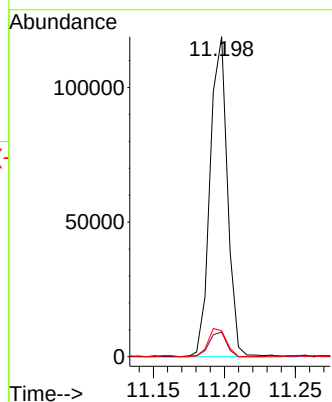
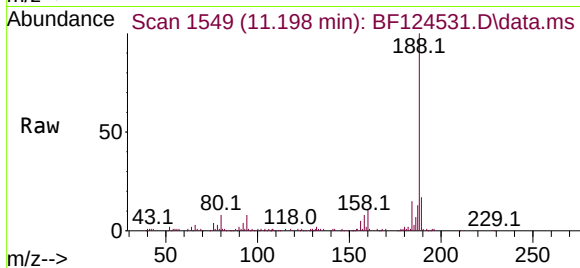




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.198 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

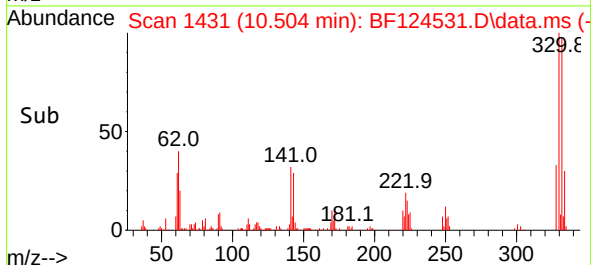
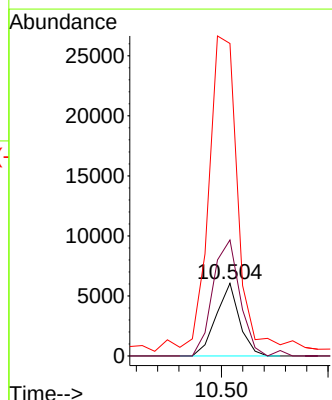
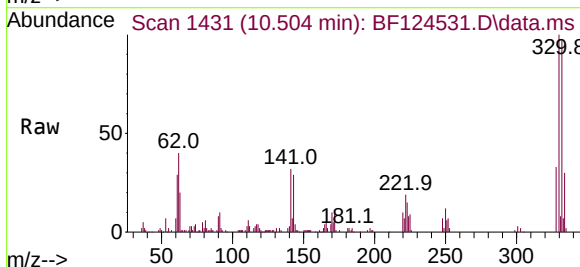
Instrument :
BNA_F
ClientSampleId :
D-4300

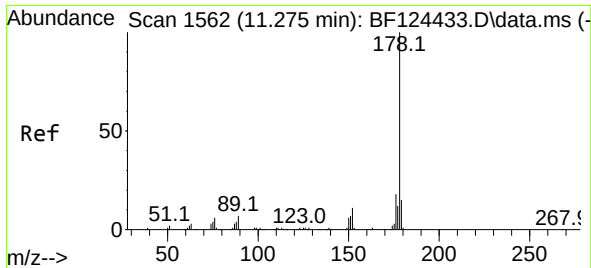
Tgt Ion:188 Resp: 100963
Ion Ratio Lower Upper
188 100
94 7.7 6.9 10.3
80 8.1 8.2 12.2#



#67
4-Bromophenyl-phenylether
Concen: 3.39 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.235 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion:248 Resp: 4607
Ion Ratio Lower Upper
248 100
250 159.8 77.4 116.2#
141 430.6 63.7 95.5#

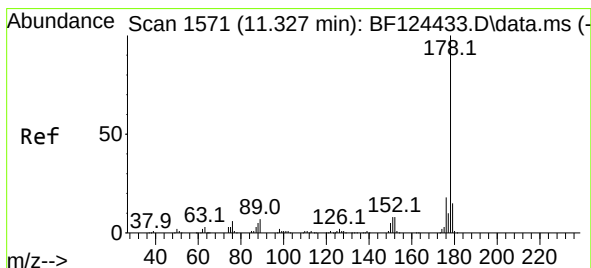
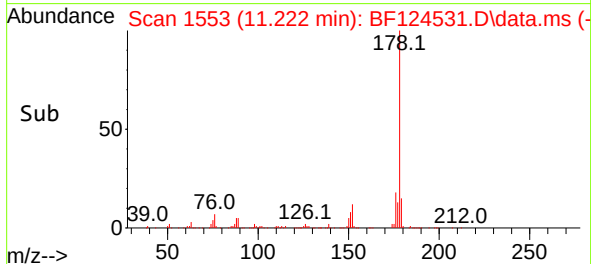
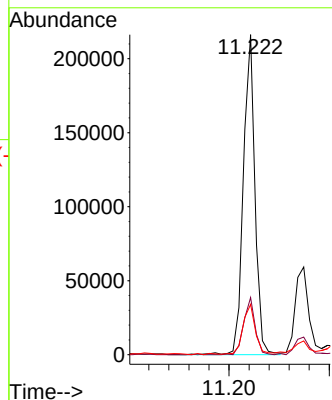
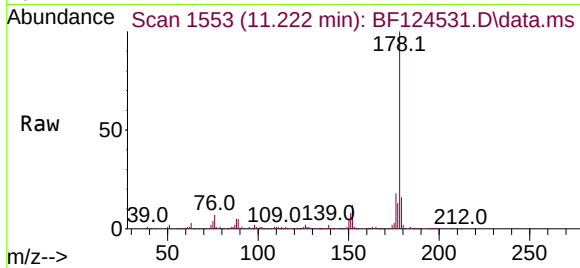




#71
Phenanthrene
Concen: 27.45 ng
RT: 11.222 min Scan# 1553
Delta R.T. 0.000 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

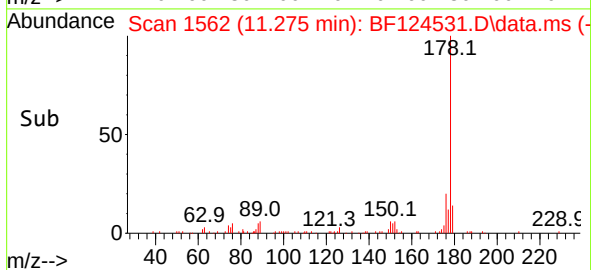
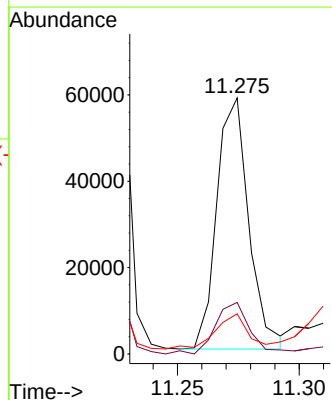
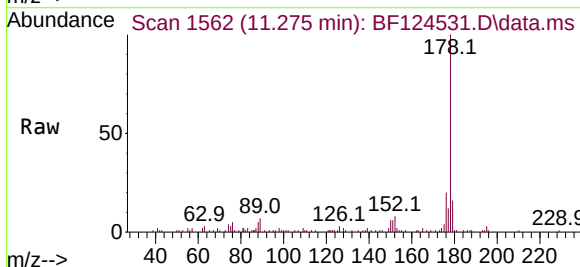
Instrument :
BNA_F
ClientSampleId :
D-4300

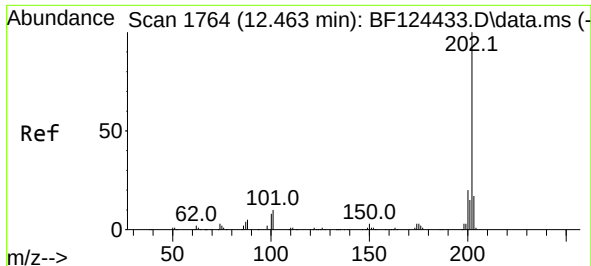
Tgt Ion:178 Resp: 174693
Ion Ratio Lower Upper
178 100
176 17.8 15.6 23.4
179 15.7 12.5 18.7



#72
Anthracene
Concen: 8.39 ng
RT: 11.275 min Scan# 1562
Delta R.T. 0.000 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion:178 Resp: 53216
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.0
179 15.7 12.6 18.8

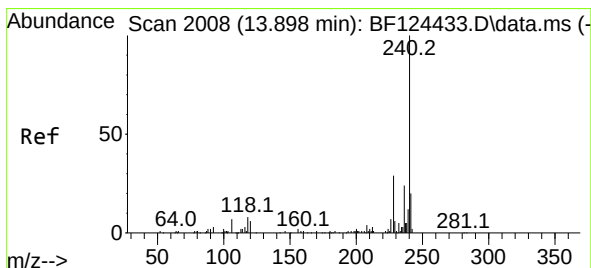
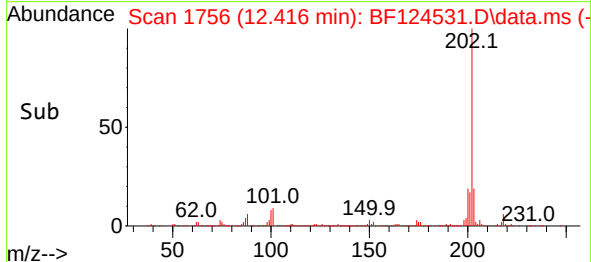
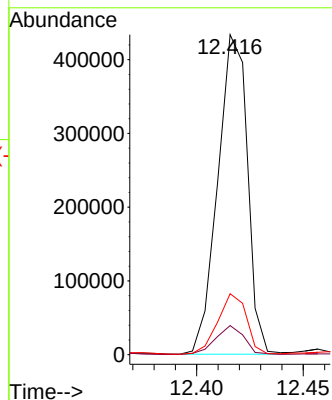
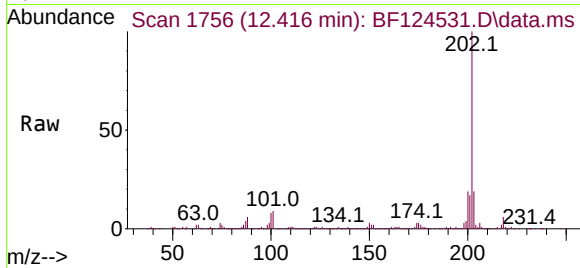




#75
Fluoranthene
Concen: 65.63 ng
RT: 12.416 min Scan# 1756
Delta R.T. 0.006 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

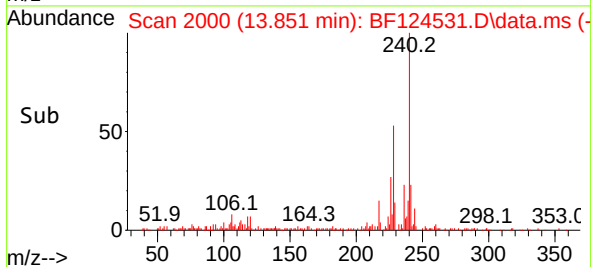
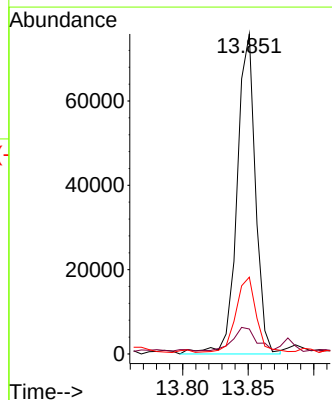
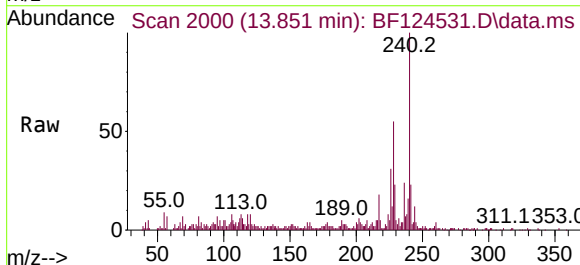
Instrument :
BNA_F
ClientSampleId :
D-4300

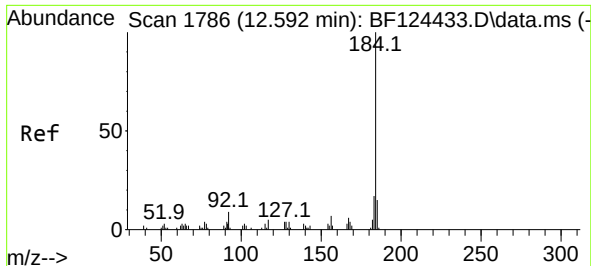
Tgt Ion:202 Resp: 420328
Ion Ratio Lower Upper
202 100
101 9.1 0.0 30.9
203 19.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.851 min Scan# 2000
Delta R.T. 0.012 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion:240 Resp: 74375
Ion Ratio Lower Upper
240 100
120 7.8 7.2 10.8
236 24.0 19.0 28.4

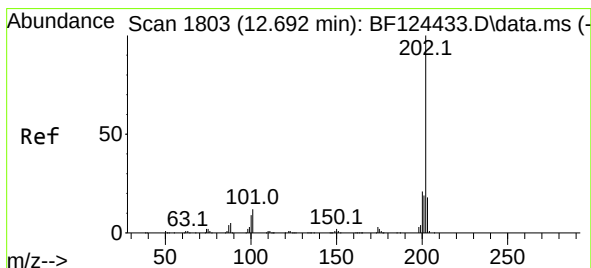
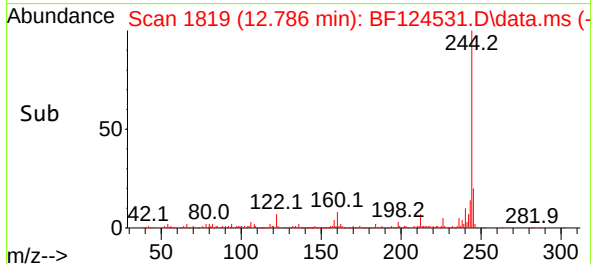
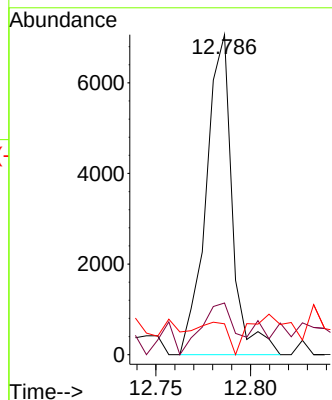
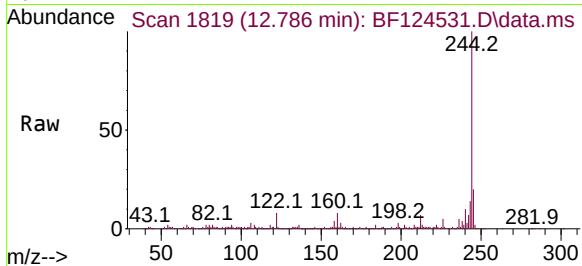




#77
Benzidine
Concen: 4.55 ng
RT: 12.786 min Scan# 1819
Delta R.T. 0.253 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

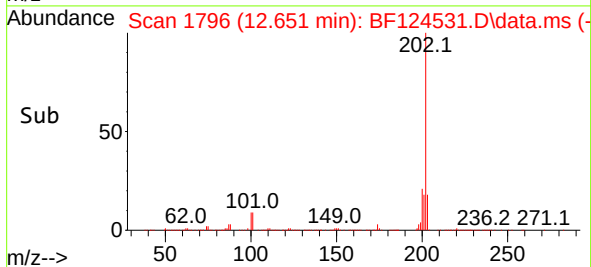
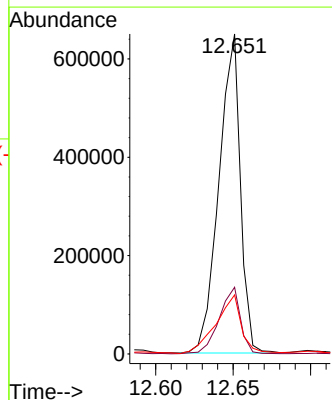
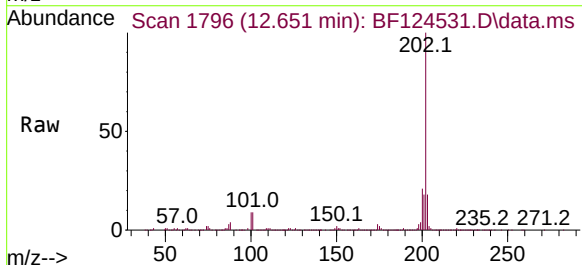
Instrument :
BNA_F
ClientSampleId :
D-4300

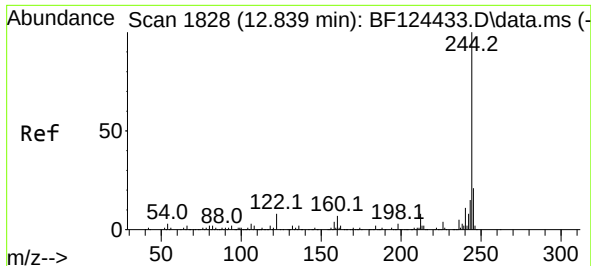
Tgt Ion:184 Resp: 6787
Ion Ratio Lower Upper
184 100
185 16.2 12.1 18.1
183 9.6 7.8 11.8



#78
Pyrene
Concen: 91.87 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.012 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion:202 Resp: 623676
Ion Ratio Lower Upper
202 100
200 20.9 16.1 24.1
203 18.5 14.8 22.2

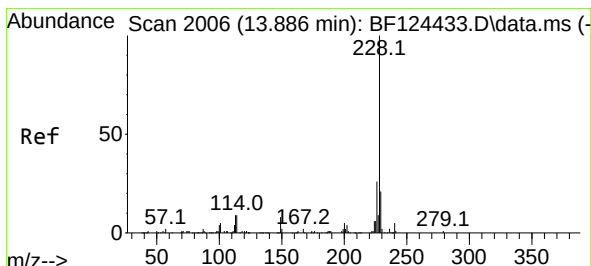
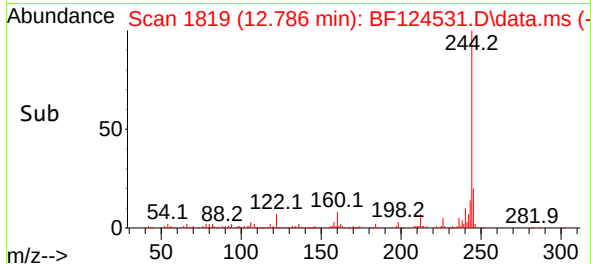
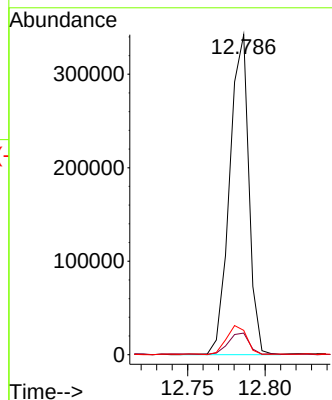
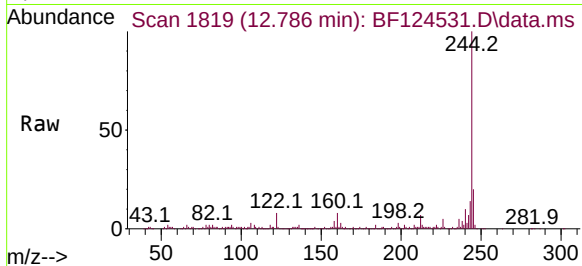




#79
 Terphenyl-d14
 Concen: 59.46 ng
 RT: 12.786 min Scan# 1819
 Delta R.T. 0.006 min
 Lab File: BF124531.D
 Acq: 2 Jul 2021 22:15

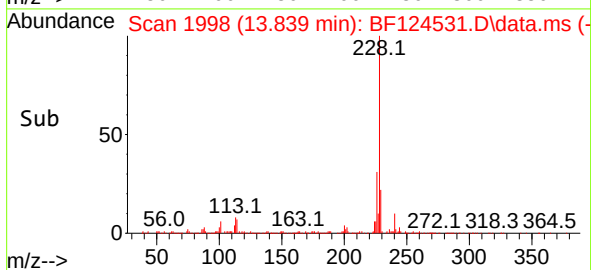
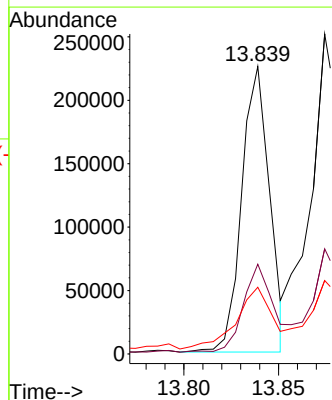
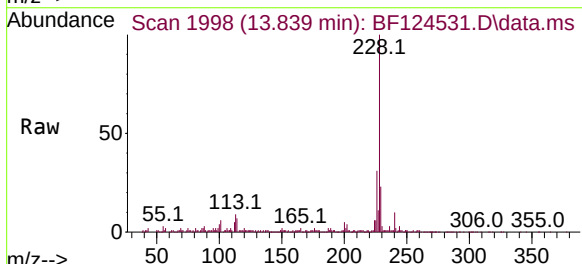
Instrument :
 BNA_F
 ClientSampleId :
 D-4300

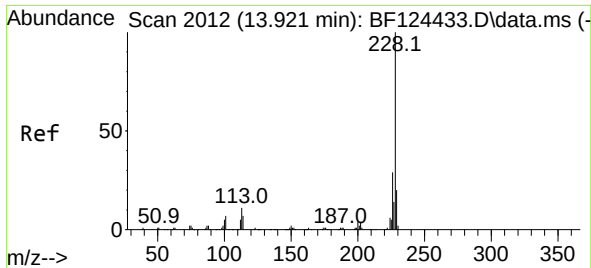
Tgt Ion:244 Resp: 295282
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 7.6 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 42.94 ng
 RT: 13.839 min Scan# 1998
 Delta R.T. 0.012 min
 Lab File: BF124531.D
 Acq: 2 Jul 2021 22:15

Tgt Ion:228 Resp: 230238
 Ion Ratio Lower Upper
 228 100
 226 31.2 22.4 33.6
 229 23.2 16.0 24.0

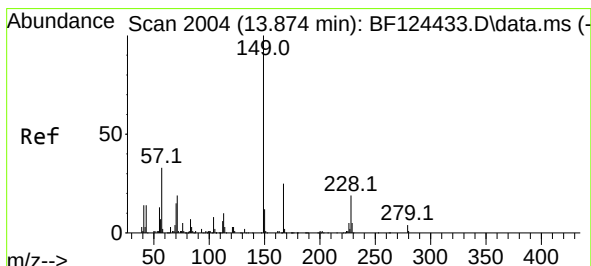
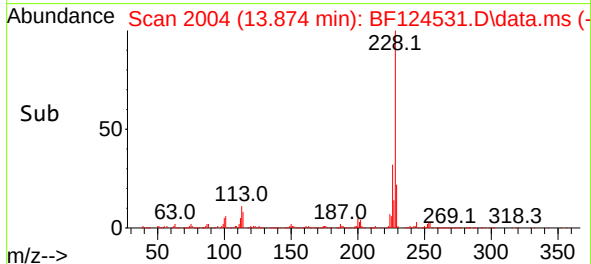
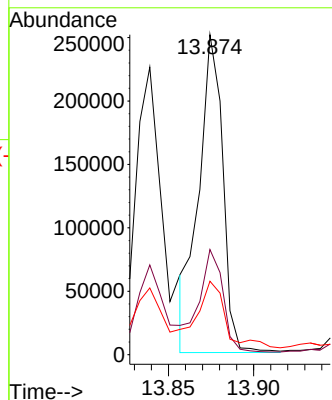
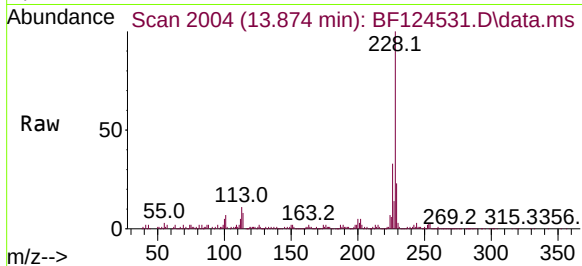




#83
Chrysene
Concen: 46.29 ng
RT: 13.874 min Scan# 2004
Delta R.T. 0.006 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

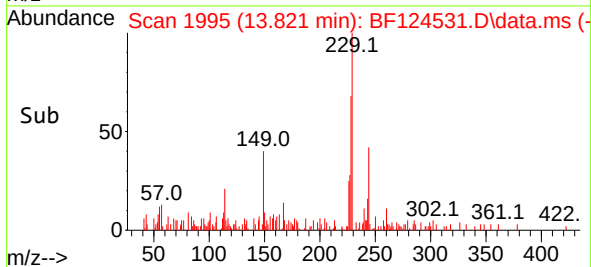
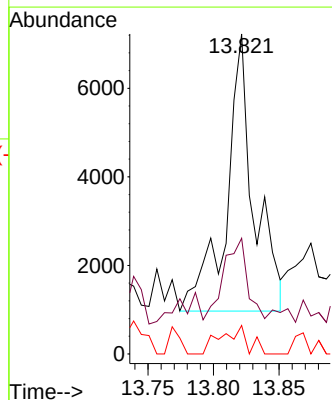
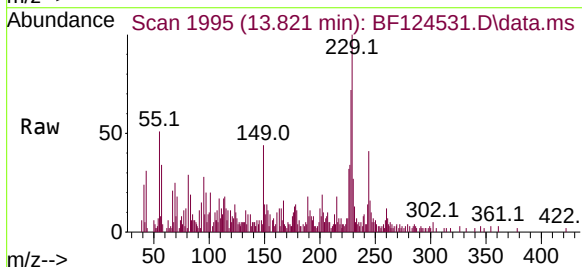
Instrument :
BNA_F
ClientSampleId :
D-4300

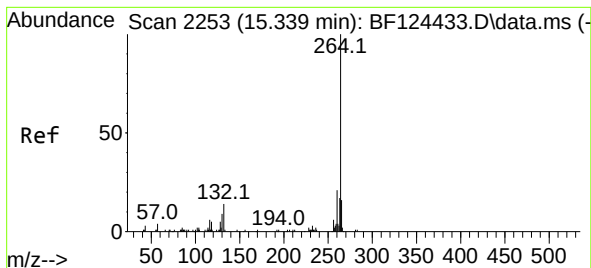
Tgt Ion:228 Resp: 245972
Ion Ratio Lower Upper
228 100
226 32.8 24.3 36.5
229 23.0 16.2 24.2



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.52 ng
RT: 13.821 min Scan# 1995
Delta R.T. 0.012 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion:149 Resp: 9118
Ion Ratio Lower Upper
149 100
167 36.1 21.8 32.6#
279 8.9 3.3 4.9#

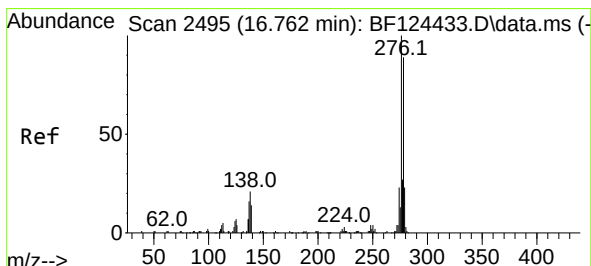
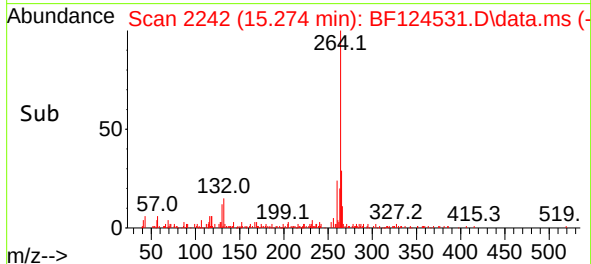
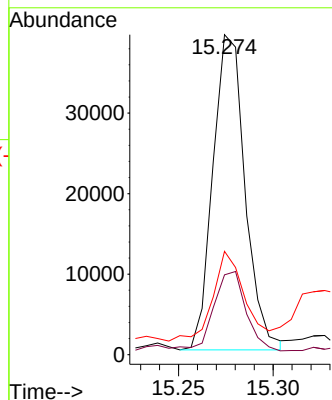
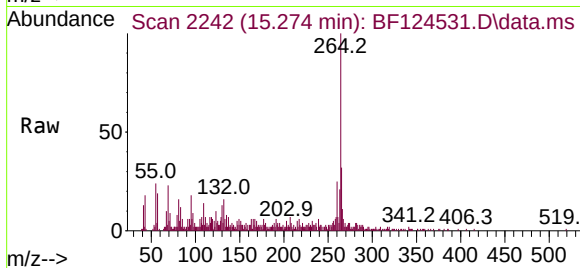




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.274 min Scan# 2242
Delta R.T. 0.012 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

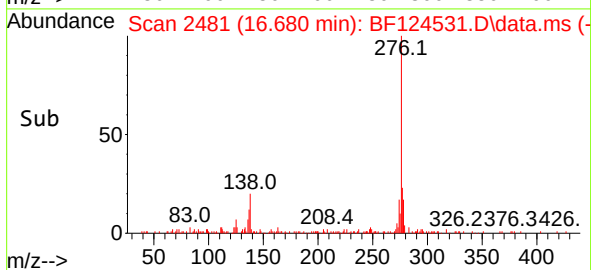
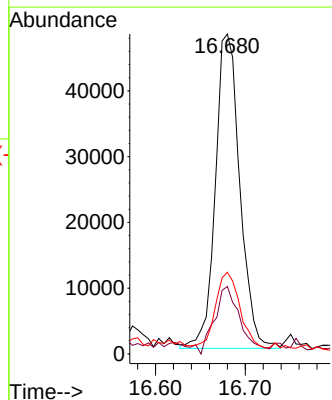
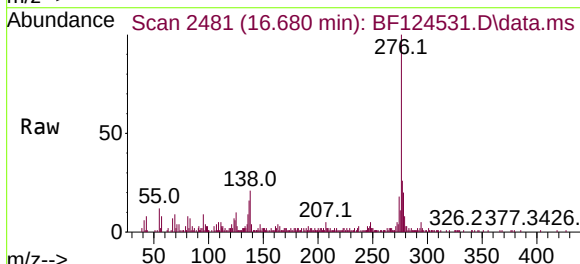
Instrument :
BNA_F
ClientSampleId :
D-4300

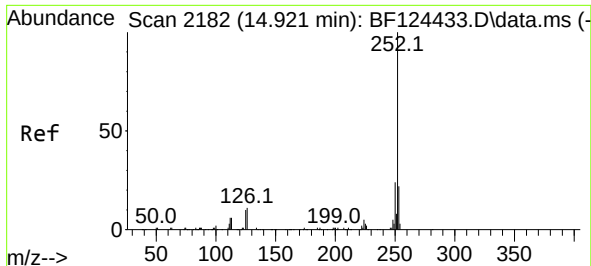
Tgt Ion:264 Resp: 46365
Ion Ratio Lower Upper
264 100
260 24.9 18.7 28.1
265 32.3 17.8 26.8#



#87
Indeno(1,2,3-cd)pyrene
Concen: 24.82 ng
RT: 16.680 min Scan# 2481
Delta R.T. 0.029 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion:276 Resp: 90755
Ion Ratio Lower Upper
276 100
138 22.6 16.2 24.2
277 23.8 20.1 30.1

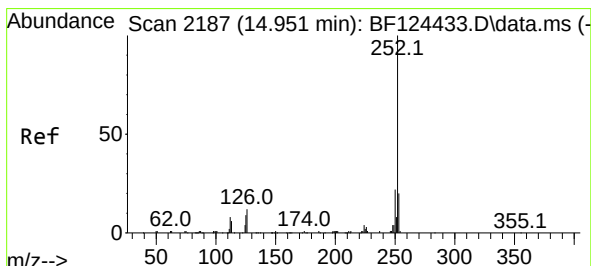
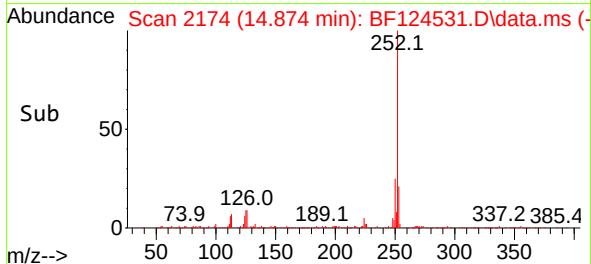
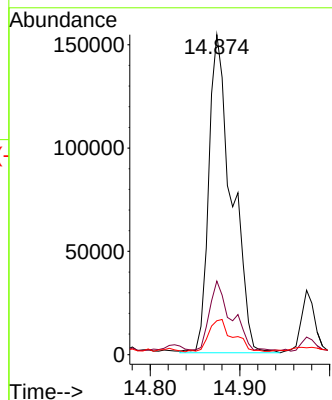
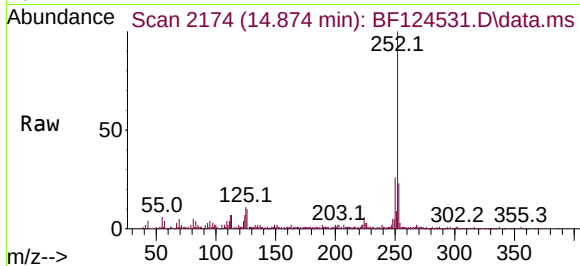




#88
Benzo(b)fluoranthene
Concen: 77.65 ng
RT: 14.874 min Scan# 2174
Delta R.T. 0.018 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

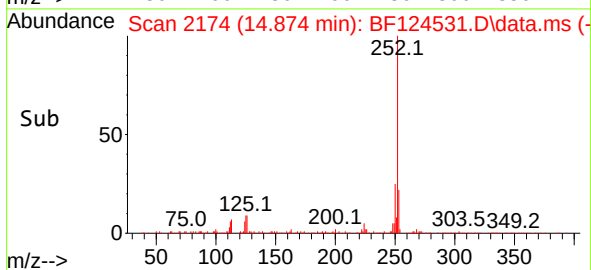
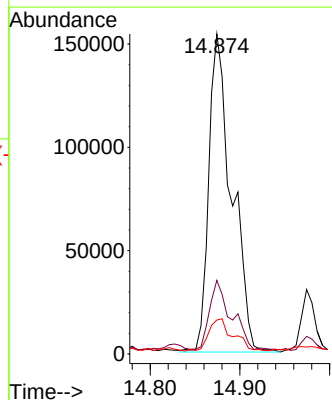
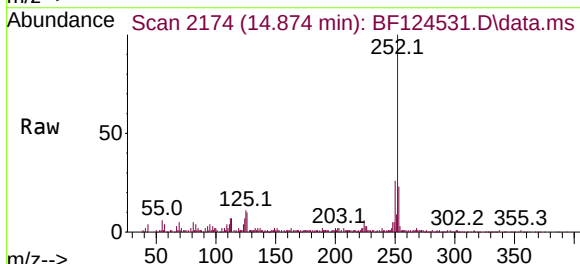
Instrument :
BNA_F
ClientSampleId :
D-4300

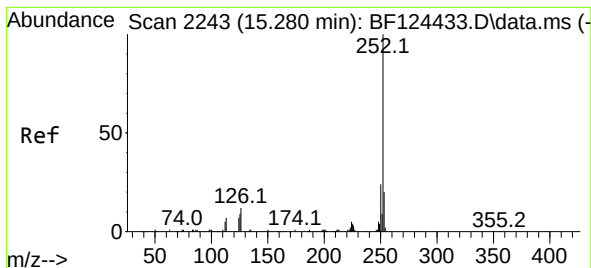
Tgt Ion:252 Resp: 272816
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 10.6 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 84.87 ng
RT: 14.874 min Scan# 2174
Delta R.T. -0.012 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion:252 Resp: 272816
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 10.6 7.0 10.6#

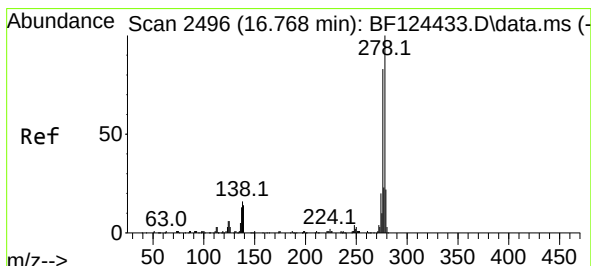
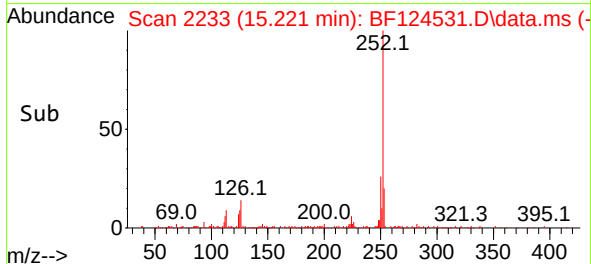
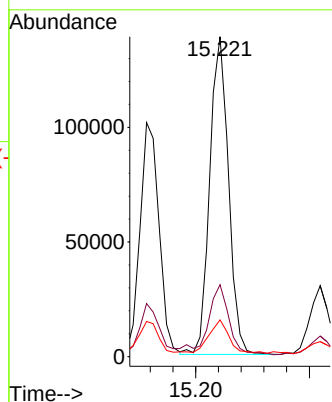
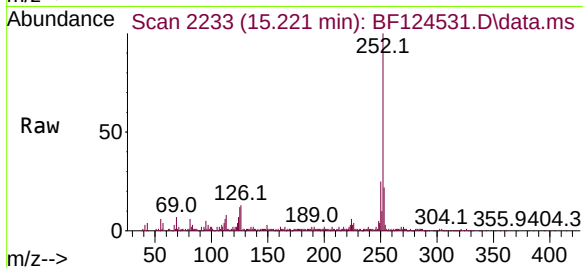




#90
Benzo(a)pyrene
Concen: 50.85 ng
RT: 15.221 min Scan# 2233
Delta R.T. 0.018 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

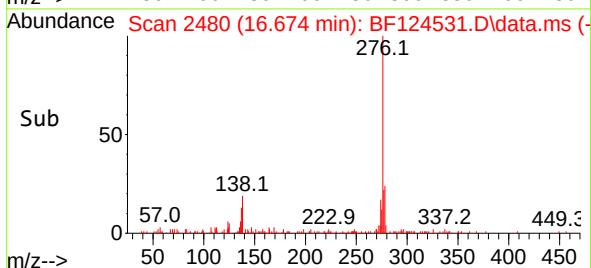
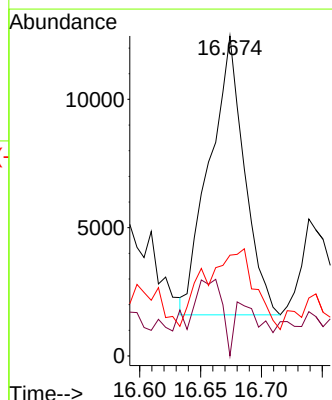
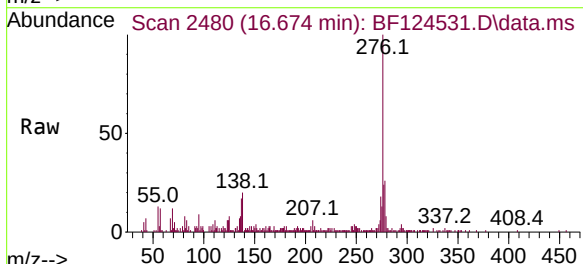
Instrument :
BNA_F
ClientSampleId :
D-4300

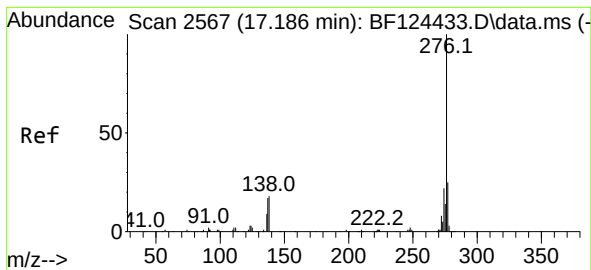
Tgt Ion:252 Resp: 158747
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 11.5 8.0 12.0



#91
Dibenzo(a,h)anthracene
Concen: 6.89 ng
RT: 16.674 min Scan# 2480
Delta R.T. 0.024 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

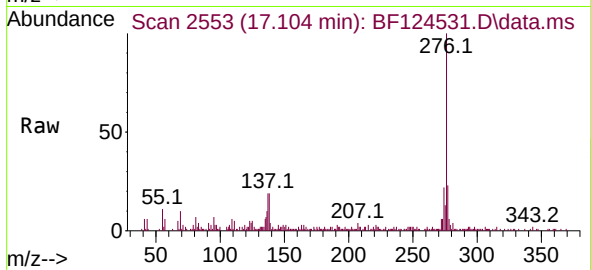
Tgt Ion:278 Resp: 21690
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 31.5 19.4 29.0#





#92
 Benzo(g,h,i)perylene
 Concen: 31.37 ng
 RT: 17.104 min Scan# 2553
 Delta R.T. 0.035 min
 Lab File: BF124531.D
 Acq: 2 Jul 2021 22:15

Instrument :
 BNA_F
 ClientSampleId :
 D-4300



Tgt Ion:	276	Resp:	97207
Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.2	27.2
138	18.7	13.8	20.6

