

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
 Data File : BF131134.D
 Acq On : 10 Nov 2022 21:10
 Operator : CG\JU
 Sample : N5520-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

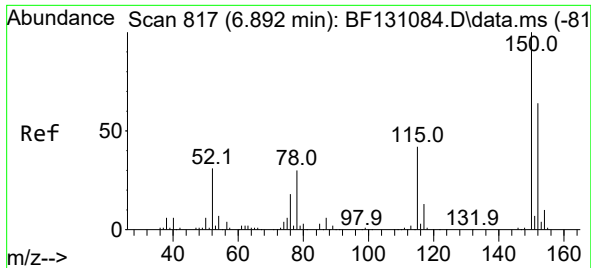
Instrument :
 BNA_F
 ClientSampleId :
 124035

Quant Time: Nov 11 00:51:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 04:15:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	68122	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	264098	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	132743	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	194681	20.000	ng	0.00
76) Chrysene-d12	14.074	240	149096	20.000	ng	0.00
86) Perylene-d12	15.568	264	153083	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	410470	102.471	ng	0.00
7) Phenol-d6	6.516	99	513290	98.013	ng	0.00
23) Nitrobenzene-d5	7.451	82	352519	60.225	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	112176	81.769	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	475593	50.015	ng	-0.01
79) Terphenyl-d14	13.010	244	322302	37.902	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	48652	14.149	ng	# 78
25) Isophorone	7.451	82	352515	38.950	ng	# 68
32) Benzoic acid	8.169	122	58	5.736	ng	# 1
51) 2,6-Dinitrotoluene	9.933	165	17497	8.432	ng	# 14
57) 2,4-Dinitrotoluene	9.933	165	17497	6.343	ng	# 16
67) 4-Bromophenyl-phenylether	10.722	248	7329	3.329	ng	# 1
70) Pentachlorophenol	11.227	266	5924	9.937	ng	96
71) Phenanthrene	11.445	178	31903	2.980	ng	99
75) Fluoranthene	12.639	202	38713	3.612	ng	97
78) Pyrene	12.868	202	37412	2.925	ng	99
81) Benzo(a)anthracene	14.063	228	24258	2.276	ng	98
83) Chrysene	14.098	228	21926	2.179	ng	97
87) Indeno(1,2,3-cd)pyrene	17.080	276	9829	4.586	ng	97
88) Benzo(b)fluoranthene	15.127	252	43285	3.999	ng	# 94
89) Benzo(k)fluoranthene	15.127	252	43285	4.161	ng	95
90) Benzo(a)pyrene	15.504	252	19944	2.298	ng	# 95
91) Dibenzo(a,h)anthracene	17.074	278	1602	3.984	ng	# 76
92) Benzo(g,h,i)perylene	17.533	276	9039	5.129	ng	# 90

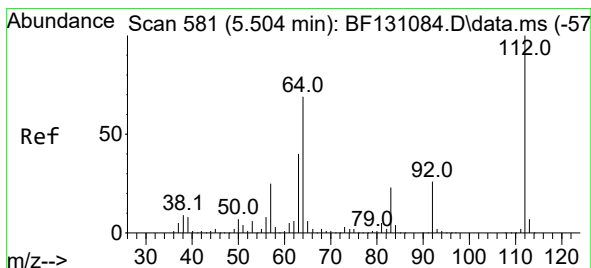
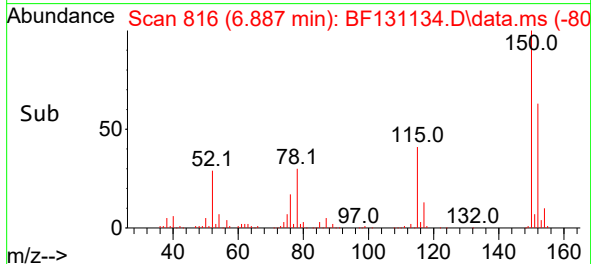
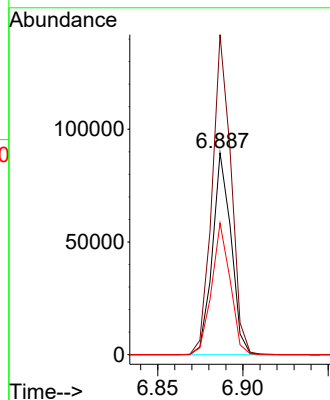
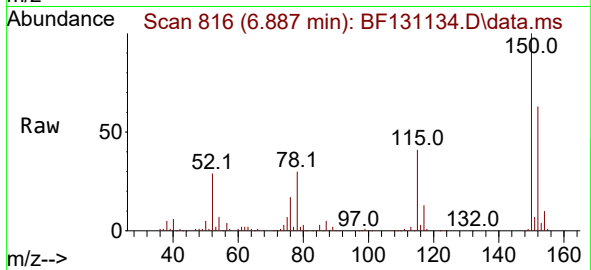
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

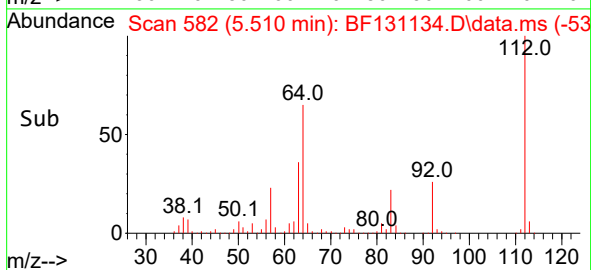
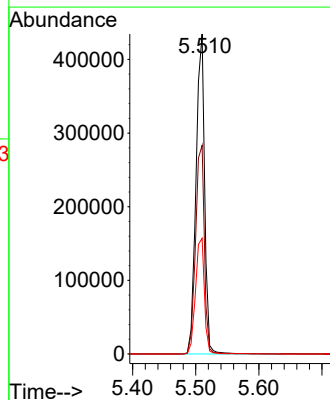
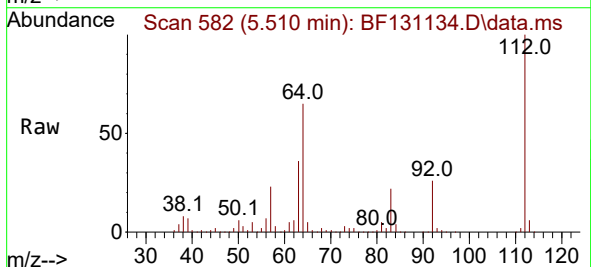
Instrument :
BNA_F
ClientSampleId :
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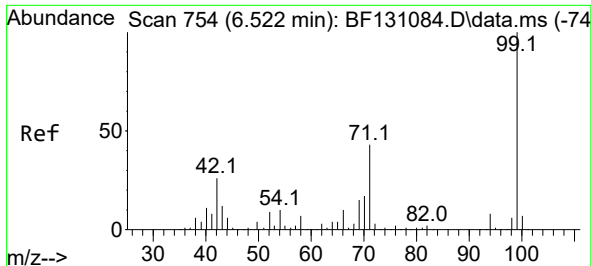
Tgt Ion:152 Resp: 68122
Ion Ratio Lower Upper
152 100
150 158.7 125.5 188.3
115 65.3 52.2 78.2



#5
2-Fluorophenol
Concen: 102.471 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

Tgt Ion:112 Resp: 410470
Ion Ratio Lower Upper
112 100
64 65.2 55.1 82.7
63 36.2 32.4 48.6

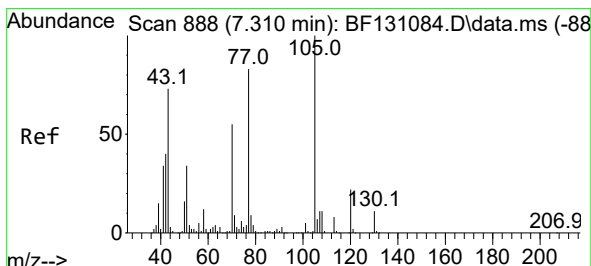
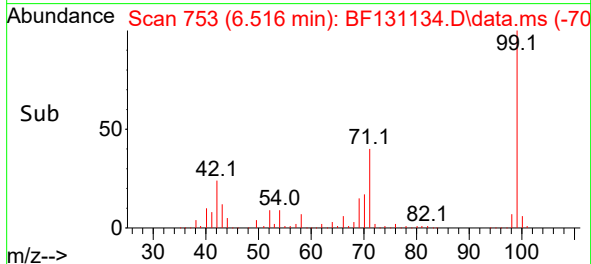
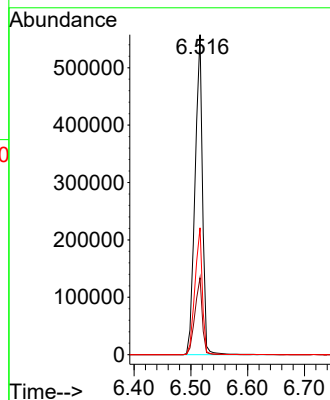
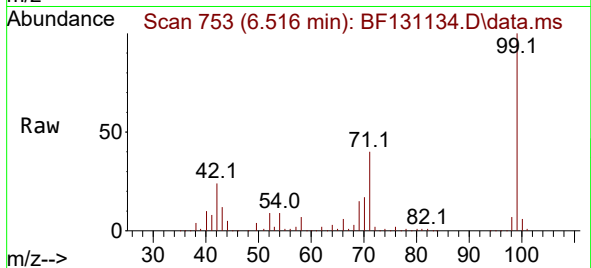




#7
Phenol-d6
Concen: 98.013 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

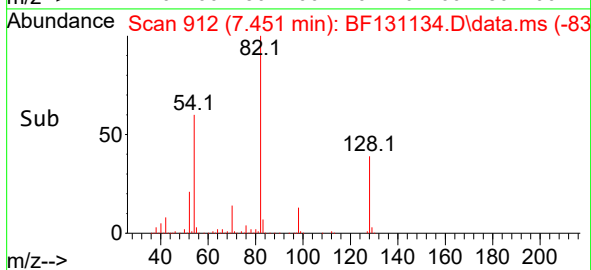
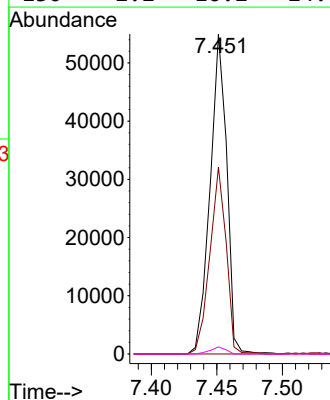
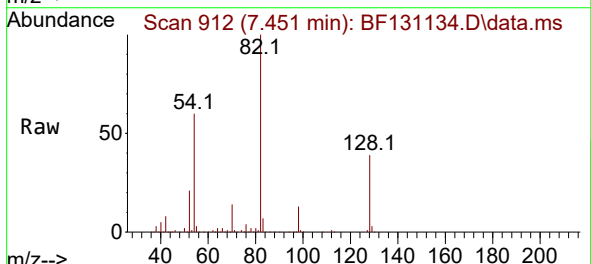
Instrument :
BNA_F
ClientSampleId :
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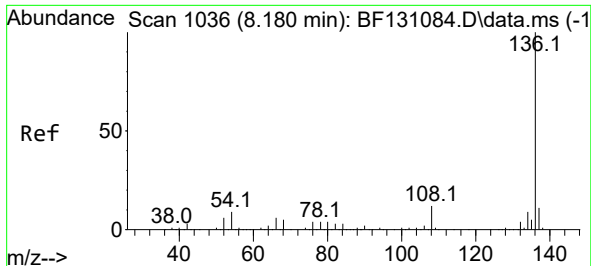
Tgt Ion: 99 Resp: 513290
Ion Ratio Lower Upper
99 100
42 24.1 20.8 31.2
71 39.7 34.2 51.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.149 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

Tgt Ion: 70 Resp: 48652
Ion Ratio Lower Upper
70 100
42 58.4 58.3 87.5
101 0.0 7.4 11.2#
130 2.2 16.2 24.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1034

Delta R.T. -0.011 min

Lab File: BF131134.D

Acq: 10 Nov 2022 21:10

Instrument :

BNA_F

ClientSampleId :

124035

Tgt Ion:136 Resp: 264098

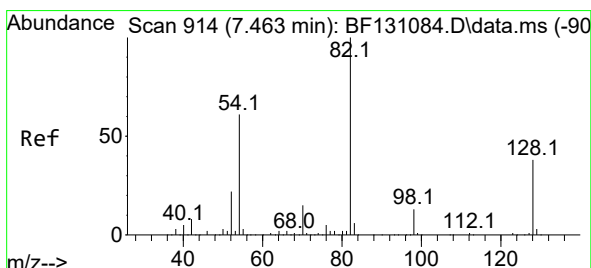
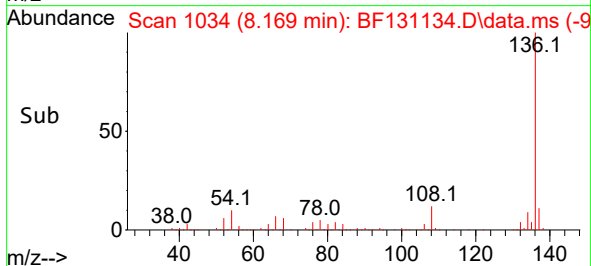
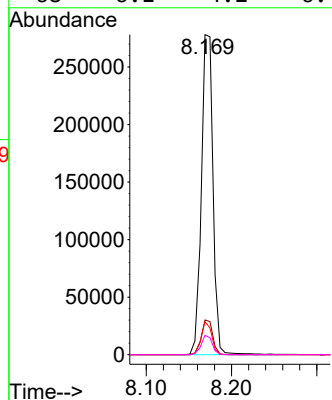
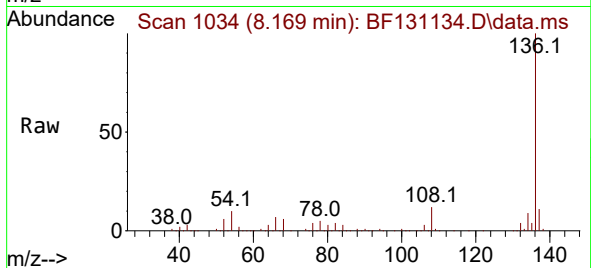
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 10.3 7.2 10.8

68 6.1 4.2 6.4



#23

Nitrobenzene-d5

Concen: 60.225 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.012 min

Lab File: BF131134.D

Acq: 10 Nov 2022 21:10

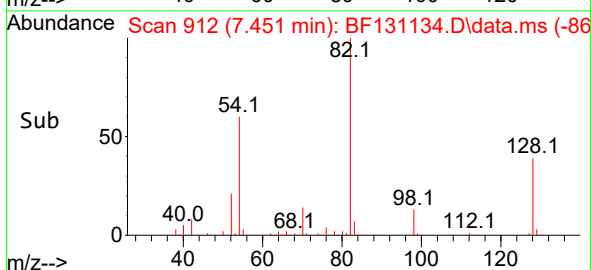
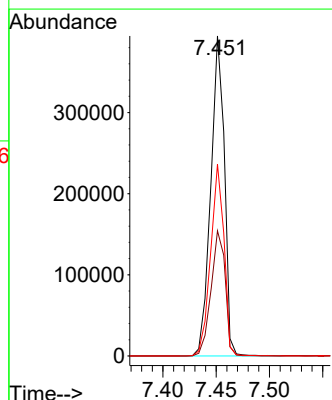
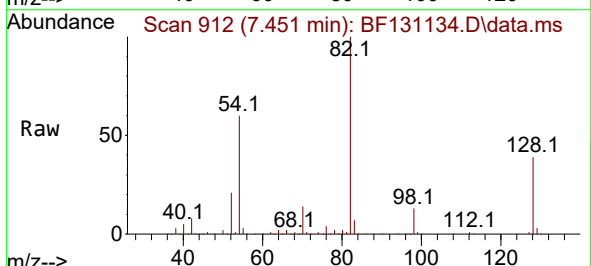
Tgt Ion: 82 Resp: 352519

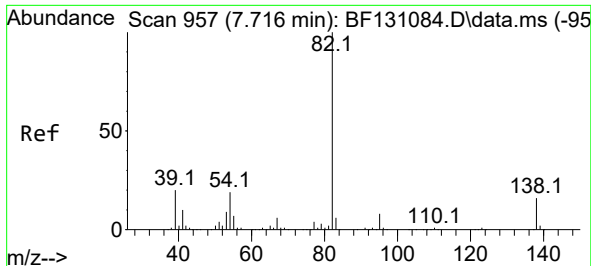
Ion Ratio Lower Upper

82 100

128 39.1 30.5 45.7

54 60.0 49.1 73.7

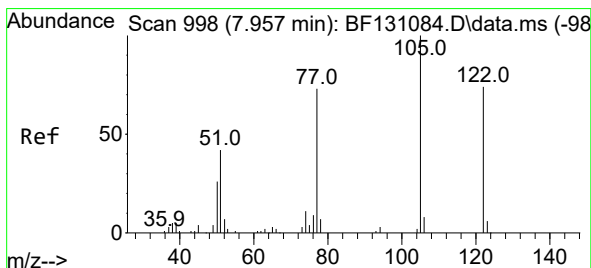
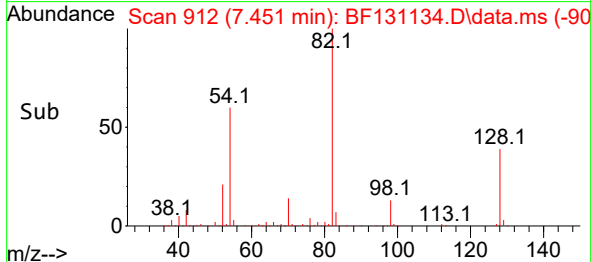
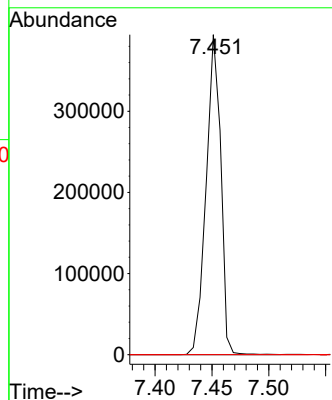
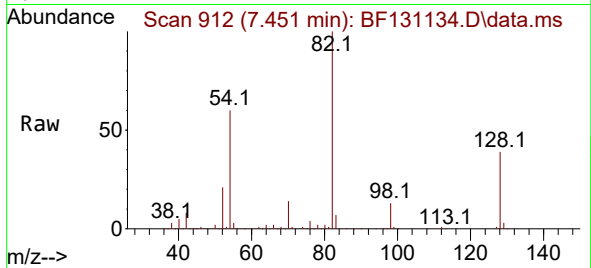




#25
Isophorone
Concen: 38.950 ng
RT: 7.451 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

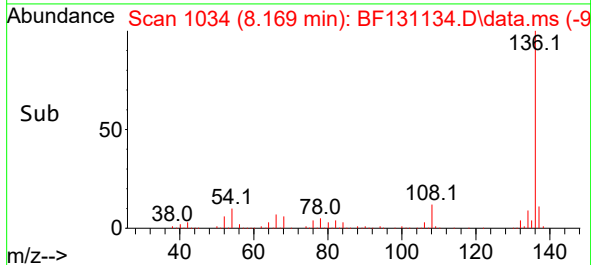
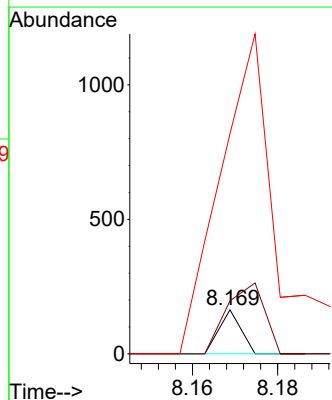
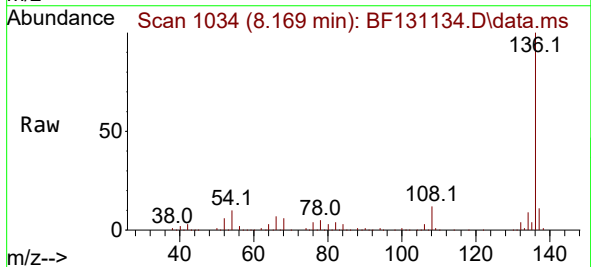
Instrument :
BNA_F
ClientSampleId :
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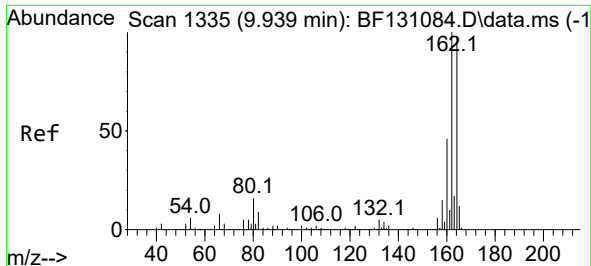
Tgt Ion: 82 Resp: 352515
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.5 18.7#



#32
Benzoic acid
Concen: 5.736 ng
RT: 8.169 min Scan# 1034
Delta R.T. 0.212 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

Tgt Ion: 122 Resp: 58
Ion Ratio Lower Upper
122 100
105 120.1 113.0 153.0
77 498.8 78.7 118.7#

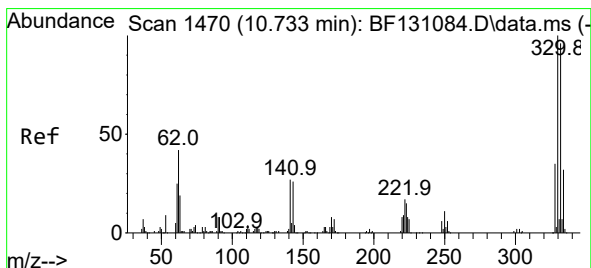
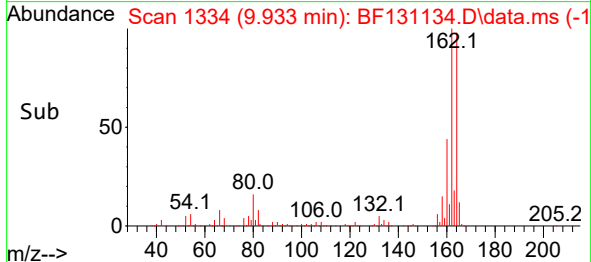
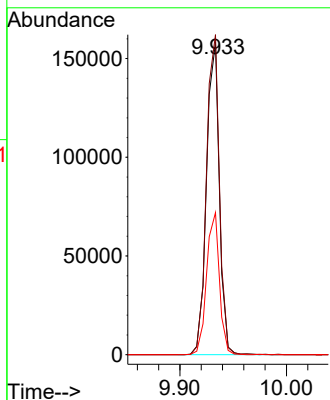
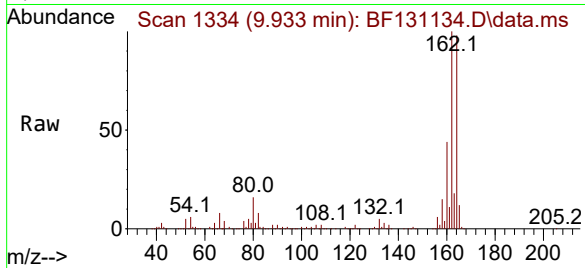




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

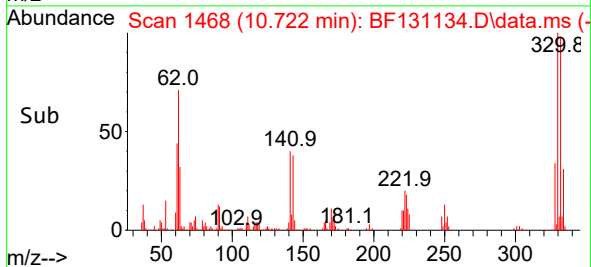
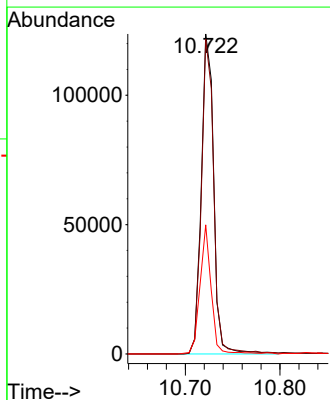
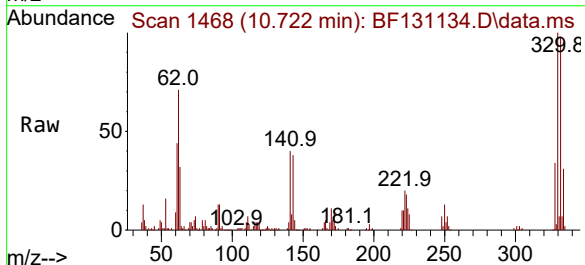
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ClientSampleId :
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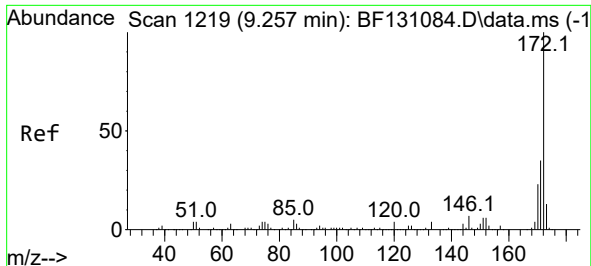
Tgt Ion:164 Resp: 132743
Ion Ratio Lower Upper
164 100
162 102.5 81.7 122.5
160 45.5 37.4 56.2



#42
2,4,6-Tribromophenol
Concen: 81.769 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.012 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

Tgt Ion:330 Resp: 112176
Ion Ratio Lower Upper
330 100
332 98.1 77.0 115.4
141 36.4 28.5 42.7

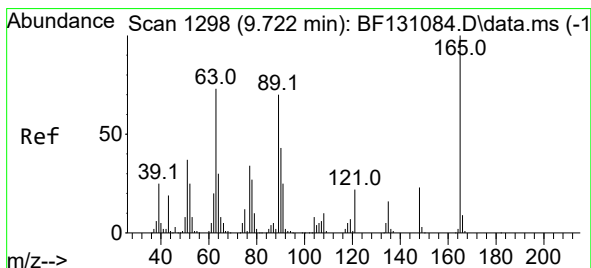
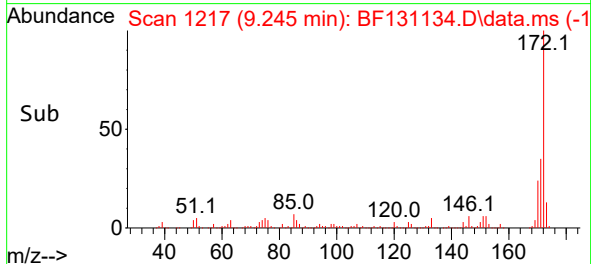
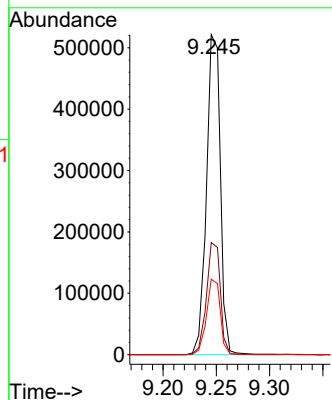
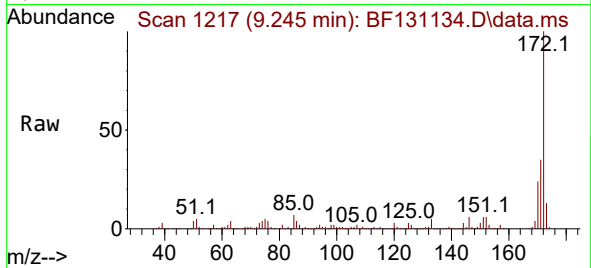




#45
2-Fluorobiphenyl
Concen: 50.015 ng
RT: 9.245 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

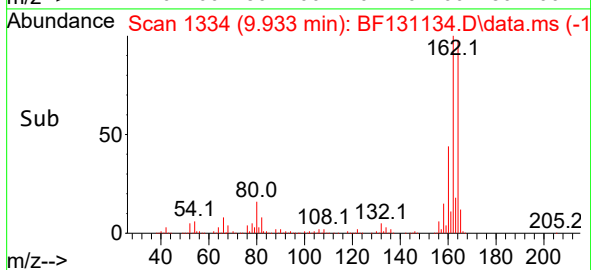
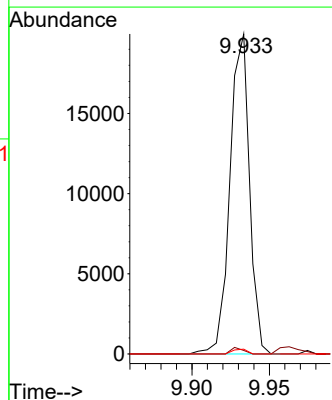
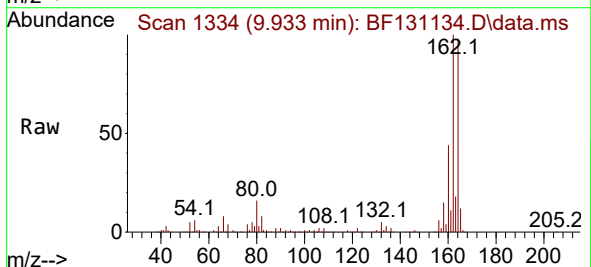
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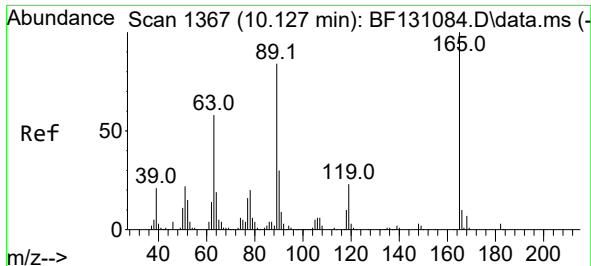
Tgt Ion:172 Resp: 475593
Ion Ratio Lower Upper
172 100
171 35.1 27.7 41.5
170 23.6 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 8.432 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.212 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

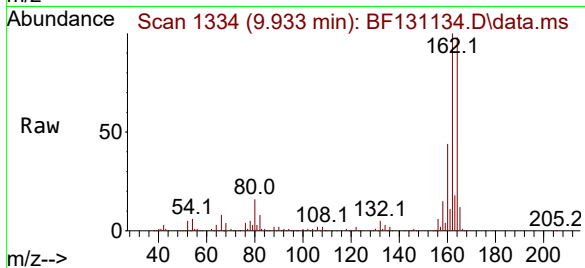
Tgt Ion:165 Resp: 17497
Ion Ratio Lower Upper
165 100
63 1.1 61.4 92.2#
89 1.5 56.0 84.0#



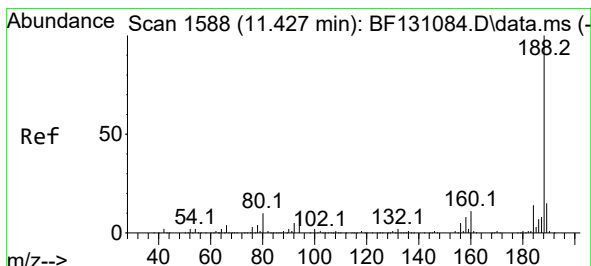
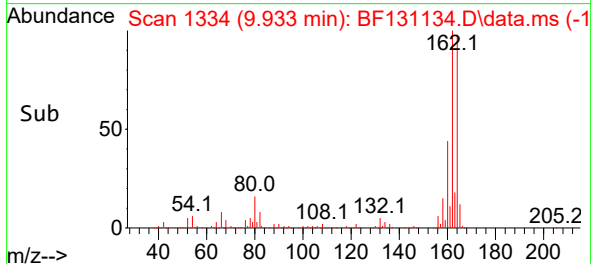
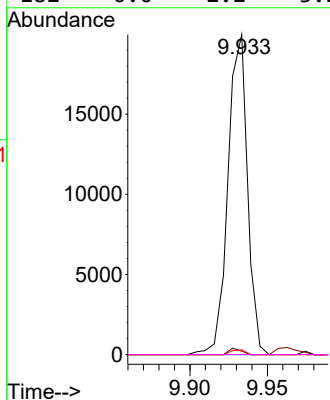


#57
2,4-Dinitrotoluene
Concen: 6.343 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

Instrument :
BNA_F
ClientSampleId :
124035

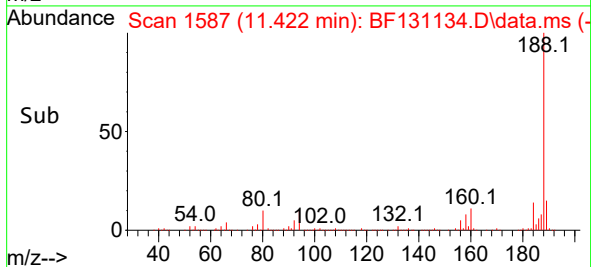
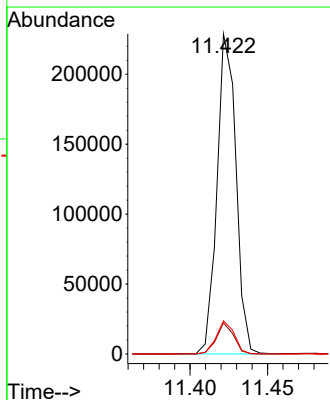
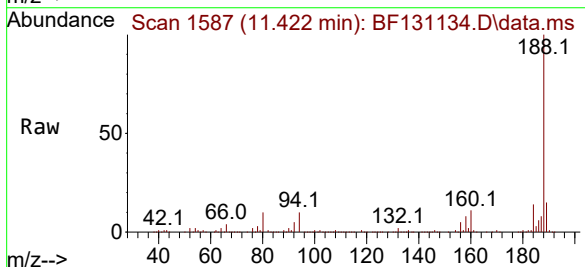


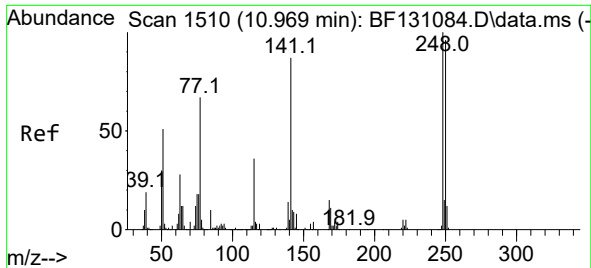
Tgt Ion:165 Resp: 17497
Ion Ratio Lower Upper
165 100
63 1.1 46.9 70.3#
89 1.5 66.9 100.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.005 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

Tgt Ion:188 Resp: 194681
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.6
80 10.3 7.9 11.9

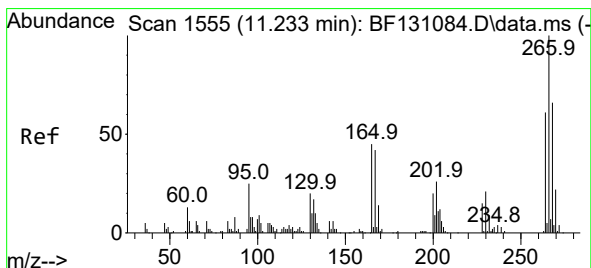
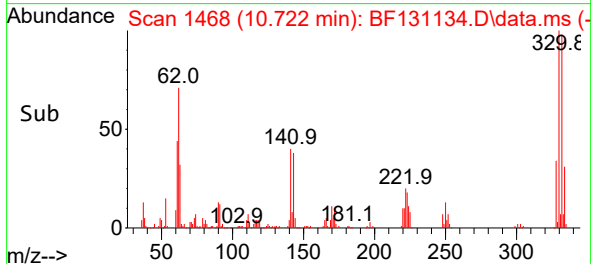
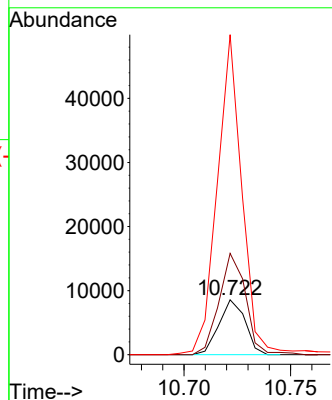
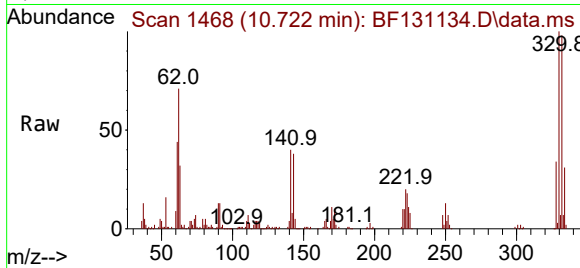




#67
4-Bromophenyl-phenylether
Concen: 3.329 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

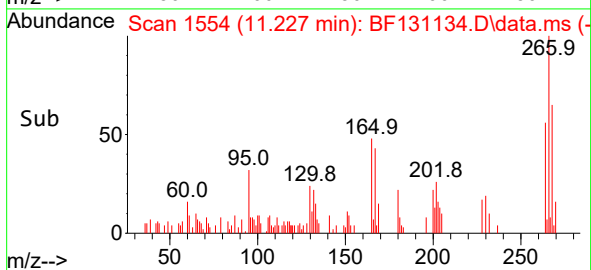
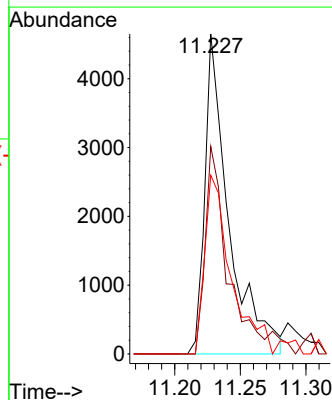
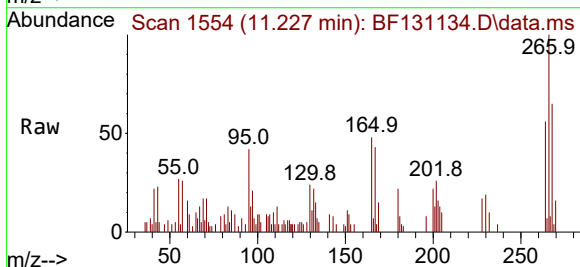
Instrument :
BNA_F
ClientSampleId :
124035

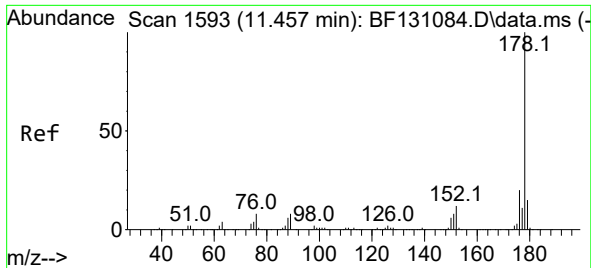
Tgt Ion:248 Resp: 7329
Ion Ratio Lower Upper
248 100
250 184.7 77.0 115.6#
141 583.0 69.7 104.5#



#70
Pentachlorophenol
Concen: 9.937 ng
RT: 11.227 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

Tgt Ion:266 Resp: 5924
Ion Ratio Lower Upper
266 100
268 64.8 52.5 78.7
264 55.8 48.6 72.8

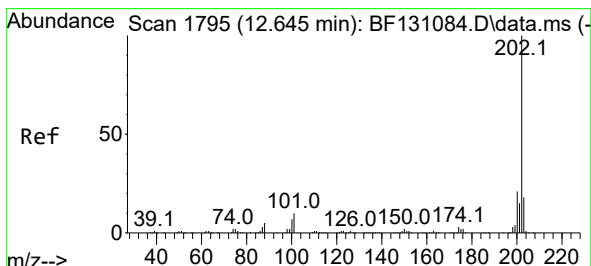
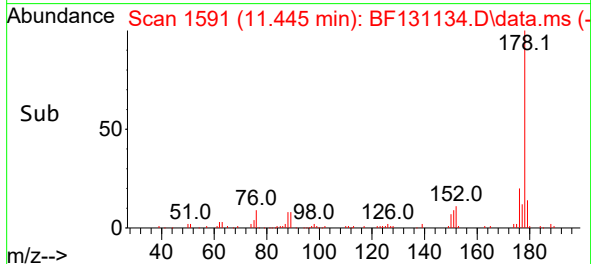
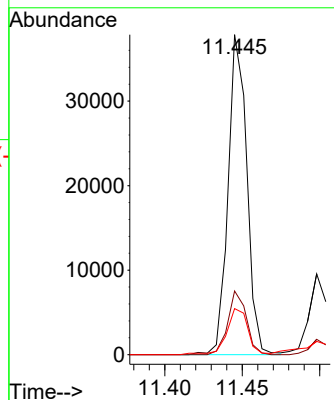
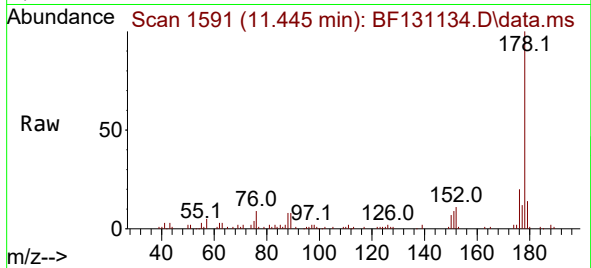




#71
Phenanthrene
Concen: 2.980 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

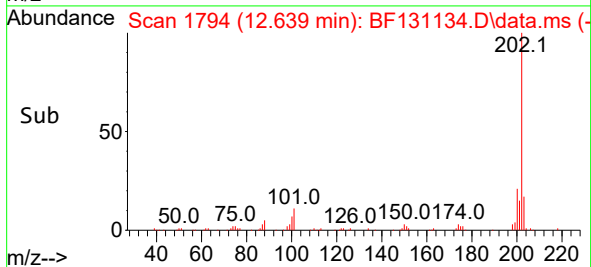
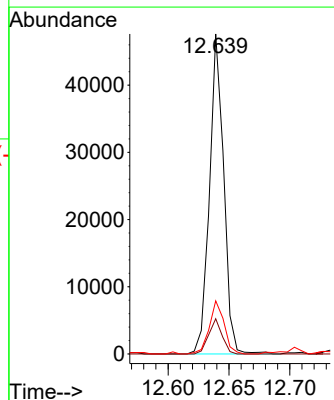
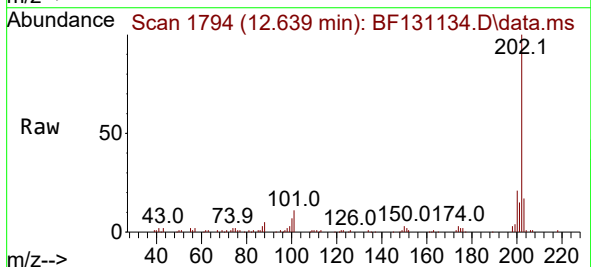
Instrument :
BNA_F
ClientSampleId :
124035

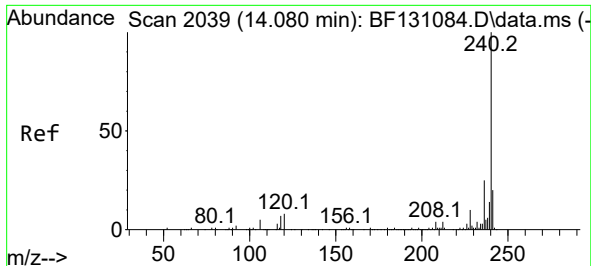
Tgt Ion:178 Resp: 31903
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 14.4 12.2 18.2



#75
Fluoranthene
Concen: 3.612 ng
RT: 12.639 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

Tgt Ion:202 Resp: 38713
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.0
203 16.6 0.0 37.7

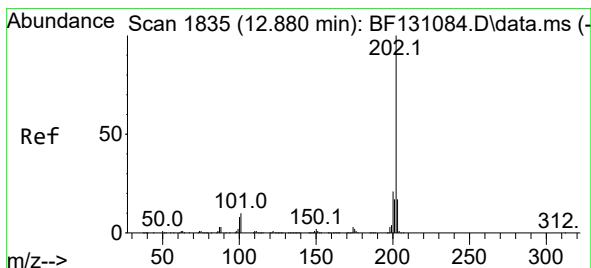
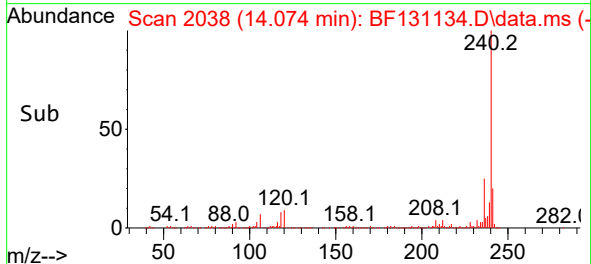
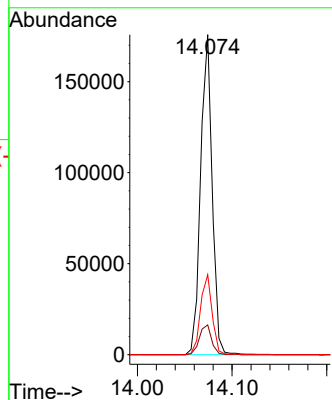
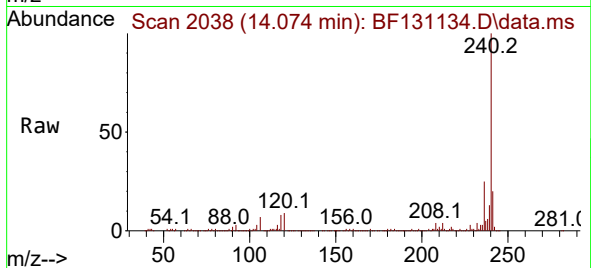




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

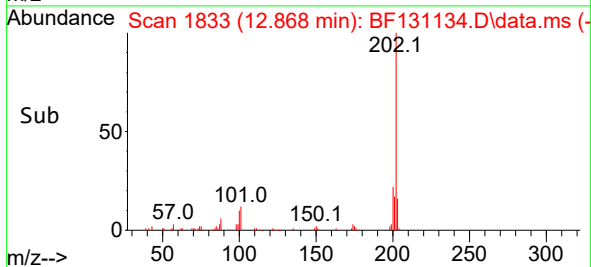
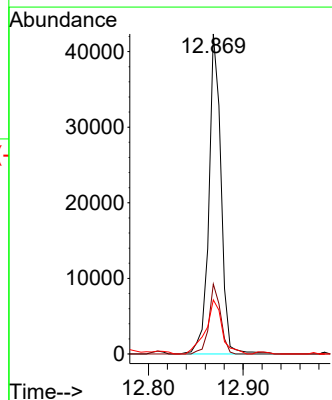
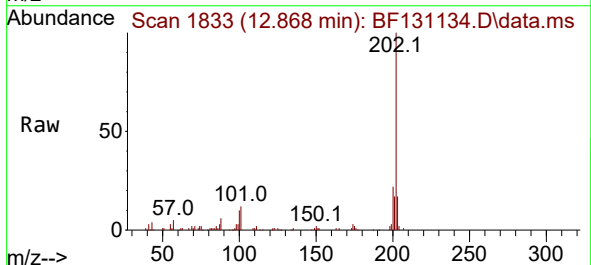
Instrument :
BNA_F
ClientSampleId :
124035

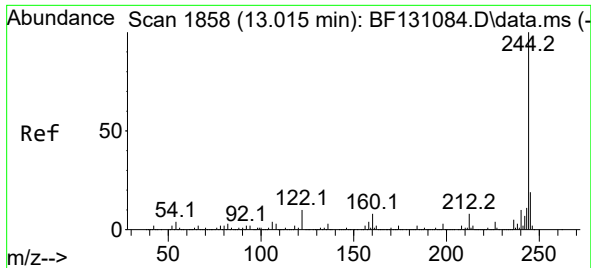
Tgt Ion:240 Resp: 149096
Ion Ratio Lower Upper
240 100
120 9.3 6.5 9.7
236 25.0 19.7 29.5



#78
Pyrene
Concen: 2.925 ng
RT: 12.868 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

Tgt Ion:202 Resp: 37412
Ion Ratio Lower Upper
202 100
200 21.9 16.8 25.2
203 16.9 13.6 20.4

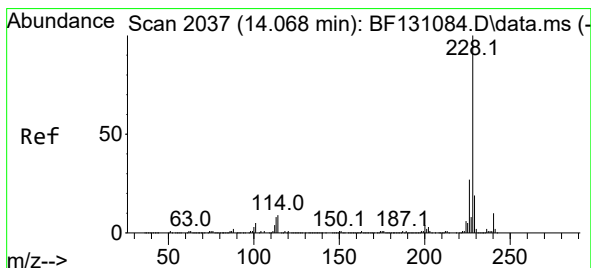
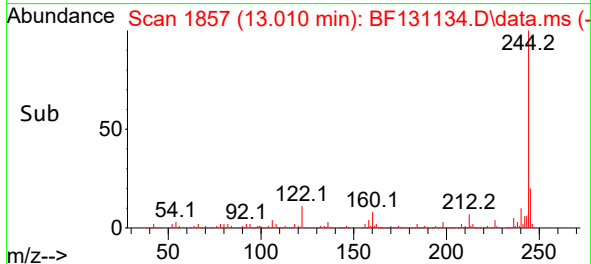
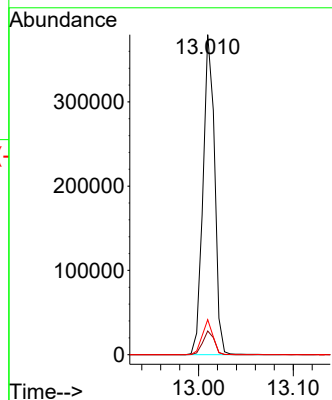
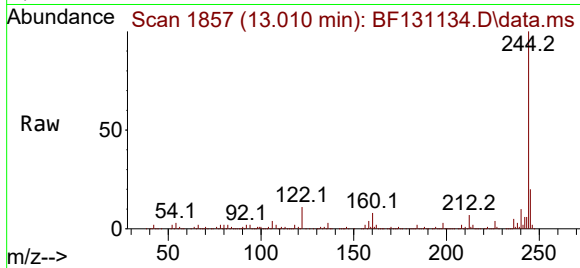




#79
 Terphenyl-d14
 Concen: 37.902 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BF131134.D
 Acq: 10 Nov 2022 21:10

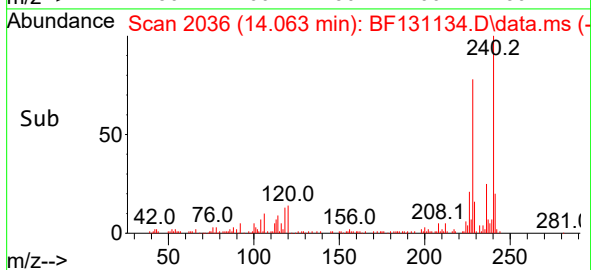
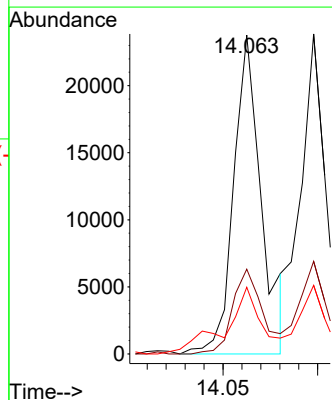
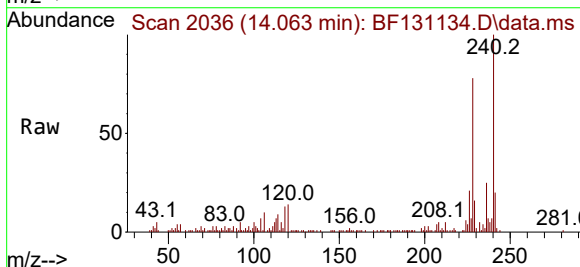
Instrument :
 BNA_F
 ClientSampleId :
 124035

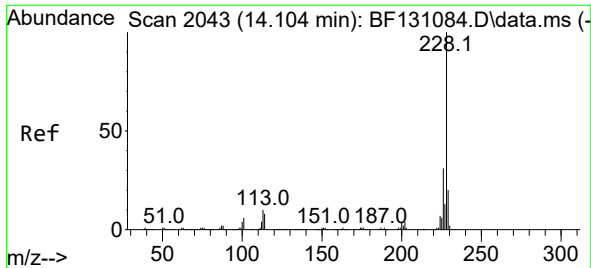
Tgt Ion:244 Resp: 322302
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 11.0 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 2.276 ng
 RT: 14.063 min Scan# 2036
 Delta R.T. -0.006 min
 Lab File: BF131134.D
 Acq: 10 Nov 2022 21:10

Tgt Ion:228 Resp: 24258
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.8 32.6
 229 20.9 15.4 23.2

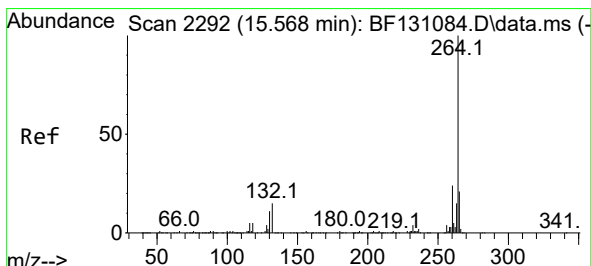
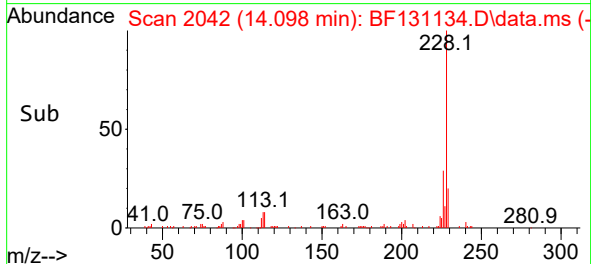
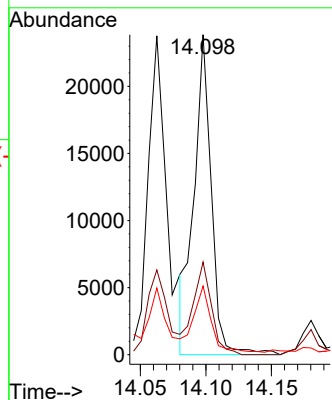
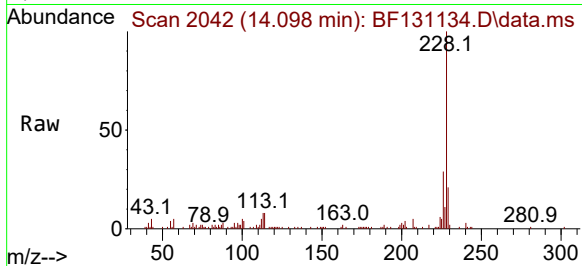




#83
Chrysene
Concen: 2.179 ng
RT: 14.098 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

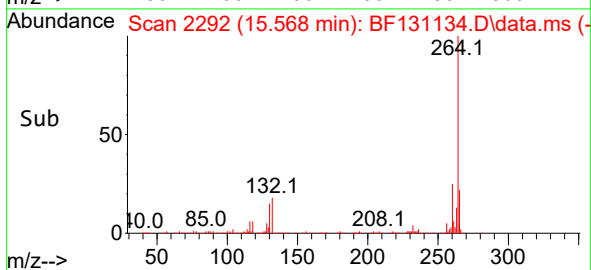
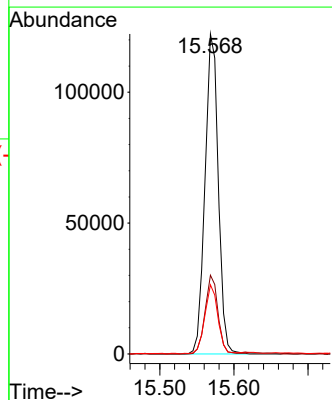
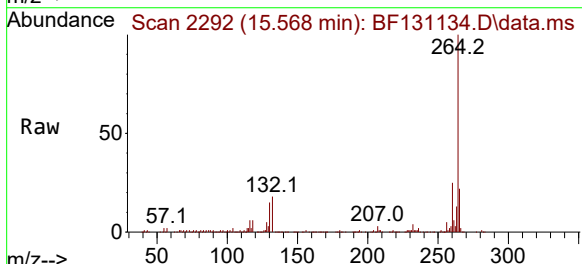
Instrument :
BNA_F
ClientSampleId :
124035

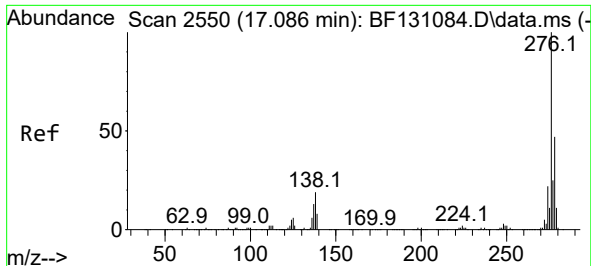
Tgt Ion:228	Resp:	21926
Ion Ratio	Lower	Upper
228	100	
226	28.9	24.4 36.6
229	21.5	15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

Tgt Ion:264	Resp:	153083
Ion Ratio	Lower	Upper
264	100	
260	24.6	19.1 28.7
265	21.6	16.7 25.1

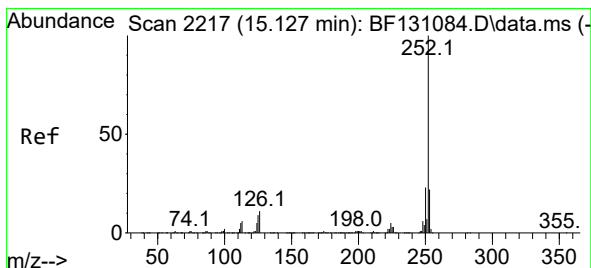
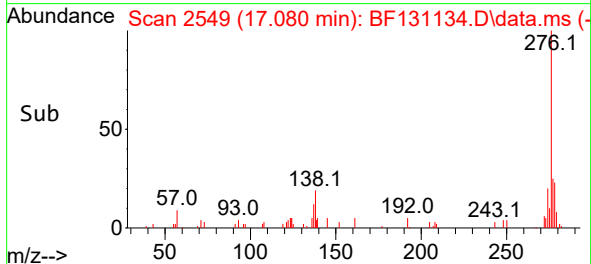
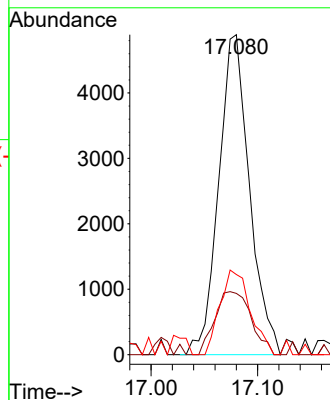
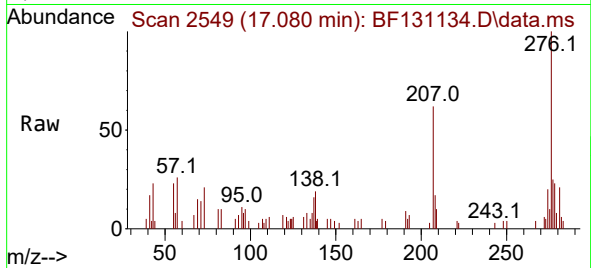




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.586 ng
RT: 17.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

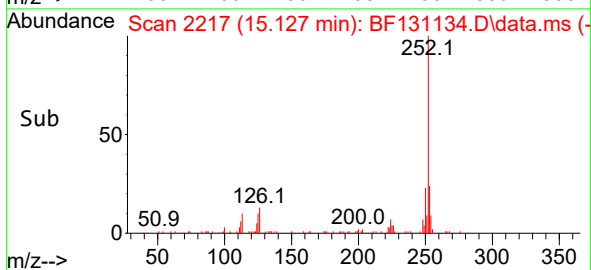
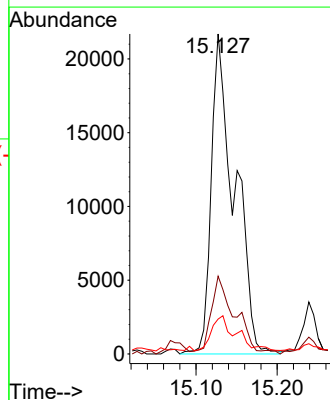
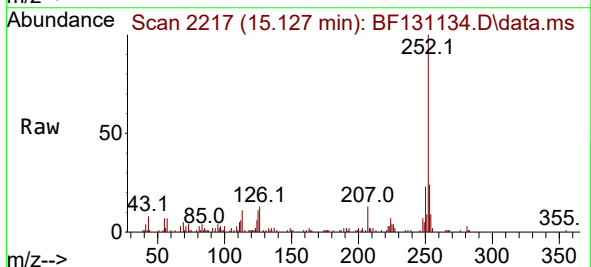
Instrument :
BNA_F
ClientSampleId :
124035

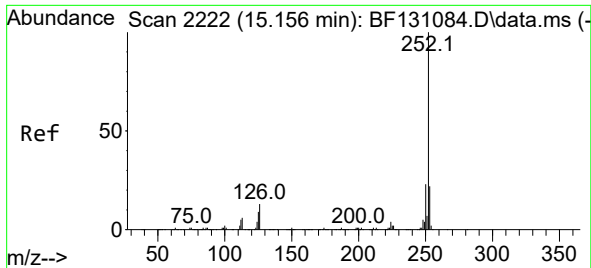
Tgt Ion:276 Resp: 9829
Ion Ratio Lower Upper
276 100
138 23.2 16.9 25.3
277 25.9 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 3.999 ng
RT: 15.127 min Scan# 2217
Delta R.T. 0.000 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

Tgt Ion:252 Resp: 43285
Ion Ratio Lower Upper
252 100
253 24.3 17.3 25.9
125 10.9 7.2 10.8#

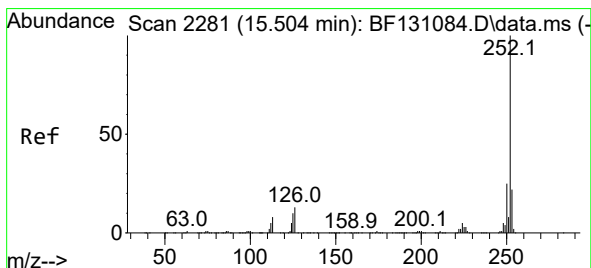
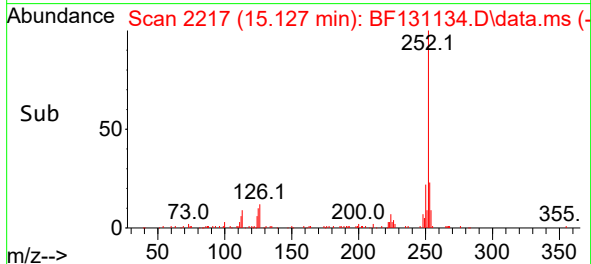
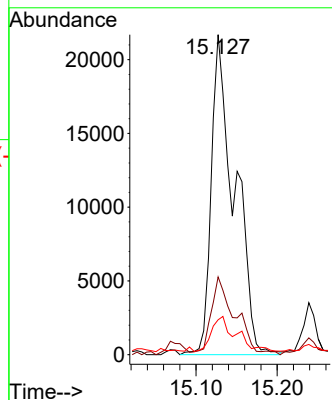
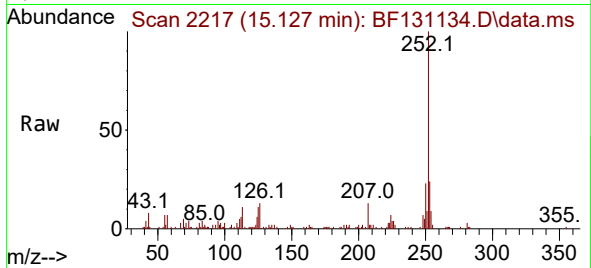




#89
Benzo(k)fluoranthene
Concen: 4.161 ng
RT: 15.127 min Scan# 211
Delta R.T. -0.029 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

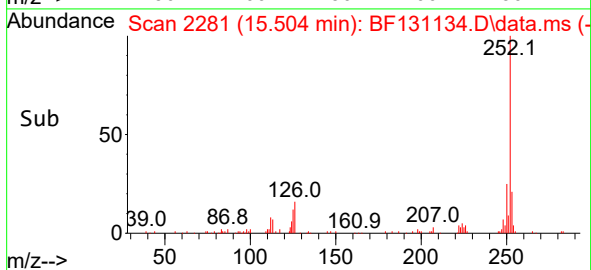
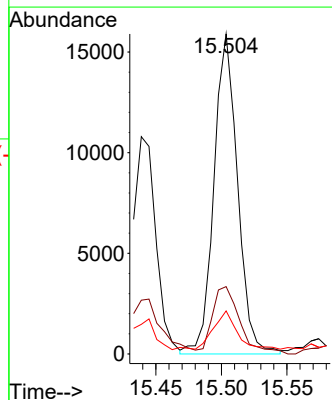
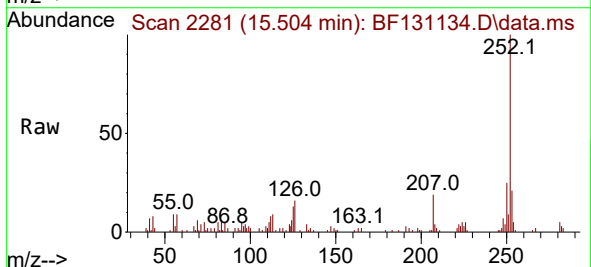
Instrument :
BNA_F
ClientSampleId :
124035

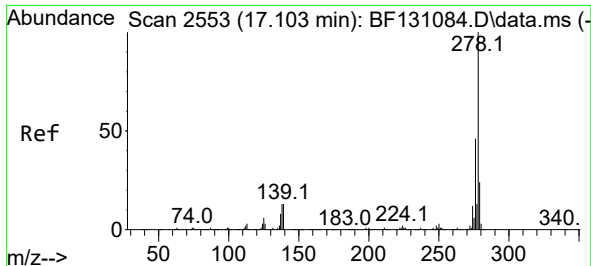
Tgt Ion:252 Resp: 43285
Ion Ratio Lower Upper
252 100
253 24.3 17.6 26.4
125 10.9 7.5 11.3



#90
Benzo(a)pyrene
Concen: 2.298 ng
RT: 15.504 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

Tgt Ion:252 Resp: 19944
Ion Ratio Lower Upper
252 100
253 21.0 17.8 26.8
125 13.5 8.1 12.1#

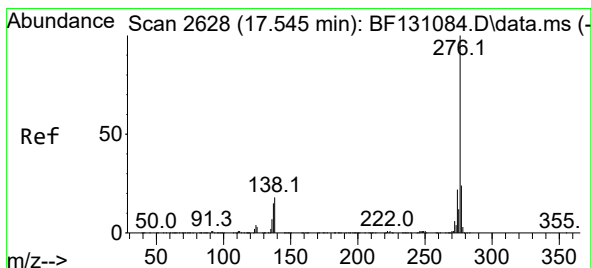
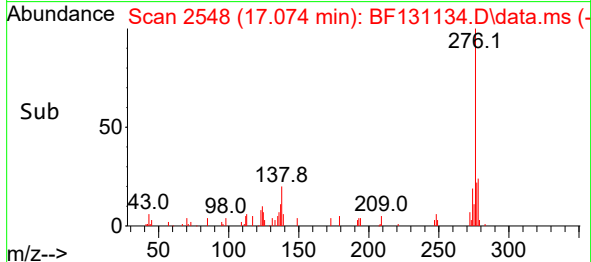
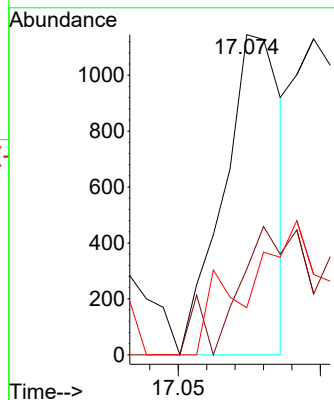
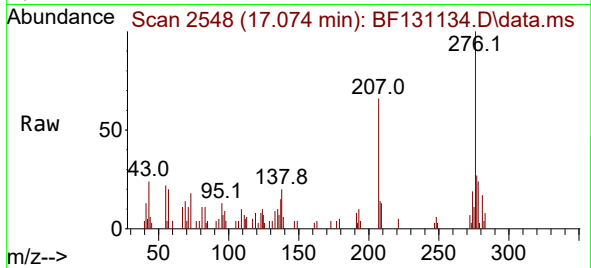




#91
Dibenzo(a,h)anthracene
Concen: 3.984 ng
RT: 17.074 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

Instrument :
BNA_F
ClientSampleId :
124035

Tgt Ion:278 Resp: 1602
Ion Ratio Lower Upper
278 100
139 26.7 10.8 16.2#
279 14.7 19.2 28.8#



#92
Benzo(g,h,i)perylene
Concen: 5.129 ng
RT: 17.533 min Scan# 2626
Delta R.T. -0.012 min
Lab File: BF131134.D
Acq: 10 Nov 2022 21:10

Tgt Ion:276 Resp: 9039
Ion Ratio Lower Upper
276 100
277 30.4 19.0 28.4#
138 15.8 14.6 21.8

