

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131153.D
 Acq On : 11 Nov 2022 14:03
 Operator : CG\JU
 Sample : N5378-06DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15-20221028-5.5-6.5DL

Quant Time: Nov 11 14:42:43 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)

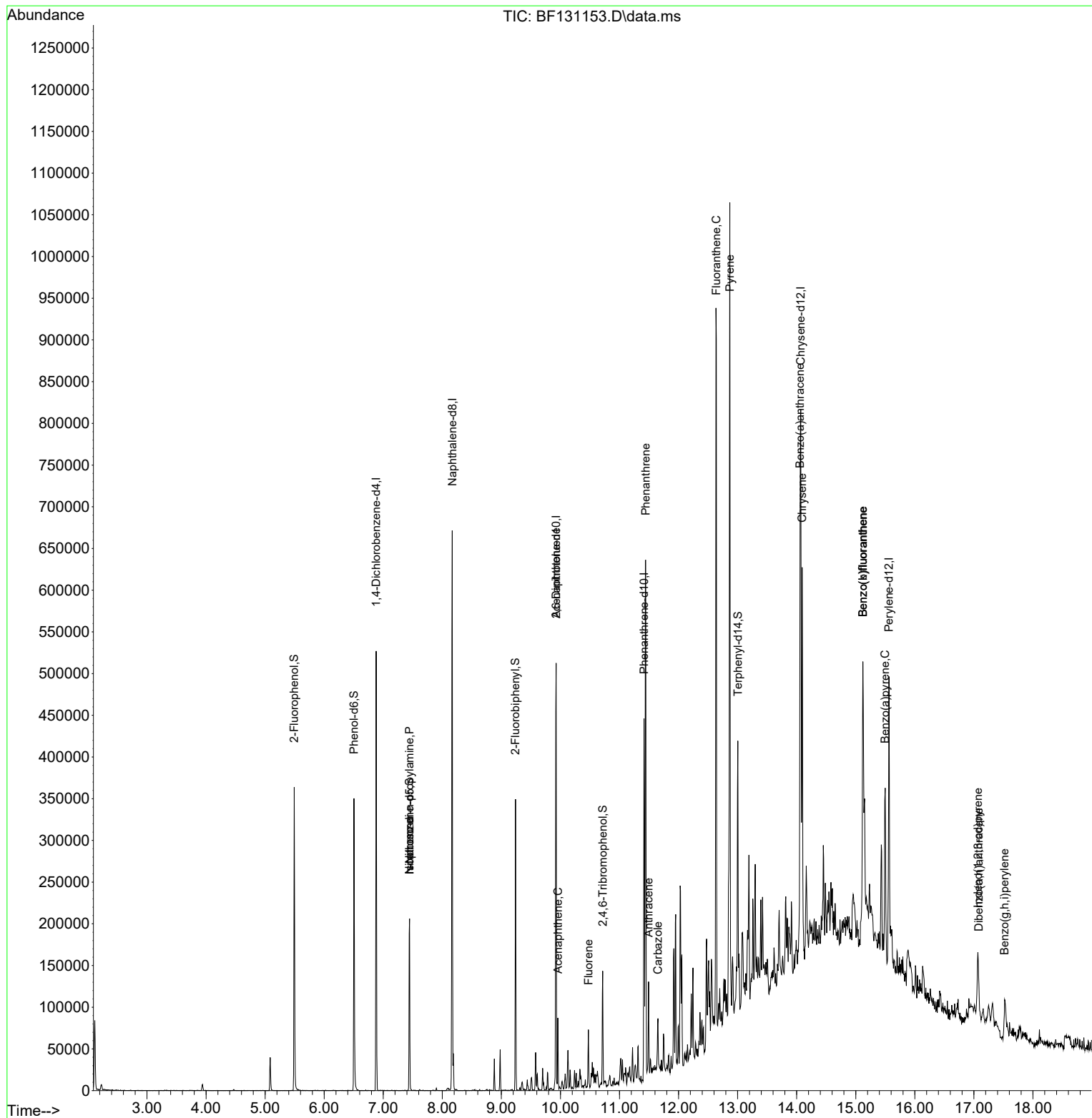
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	63932	20.000	ng	-0.01
21) Naphthalene-d8	8.169	136	262932	20.000	ng	-0.01
39) Acenaphthene-d10	9.928	164	98830	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	145952	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	167501	20.000	ng	-0.01
86) Perylene-d12	15.562	264	128168	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	82182	21.861	ng	-0.01
7) Phenol-d6	6.504	99	92599	18.841	ng	-0.02
23) Nitrobenzene-d5	7.445	82	60132	10.319	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	12604	12.340	ng	-0.02
45) 2-Fluorobiphenyl	9.239	172	83513	11.796	ng	-0.02
79) Terphenyl-d14	13.004	244	100357	10.505	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	8395	2.601	ng	# 73
25) Isophorone	7.445	82	60132	6.673	ng	# 68
51) 2,6-Dinitrotoluene	9.928	165	13056	8.451	ng	# 15
52) Acenaphthene	9.957	154	14865	2.630	ng	94
58) Fluorene	10.475	166	15852	2.332	ng	92
71) Phenanthrene	11.445	178	238900	29.761	ng	99
72) Anthracene	11.492	178	39412	5.059	ng	99
73) Carbazole	11.651	167	25259	3.646	ng	97
75) Fluoranthene	12.639	202	349674	43.518	ng	98
78) Pyrene	12.868	202	374208	26.039	ng	99
81) Benzo(a)anthracene	14.057	228	181815	15.186	ng	99
83) Chrysene	14.092	228	177432	15.692	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	48861	8.149	ng	99
88) Benzo(b)fluoranthene	15.121	252	223378	24.651	ng	96
89) Benzo(k)fluoranthene	15.121	252	223378	25.647	ng	97
90) Benzo(a)pyrene	15.498	252	94849	13.056	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	14458	5.404	ng	95
92) Benzo(g,h,i)perylene	17.521	276	37576	8.156	ng	97

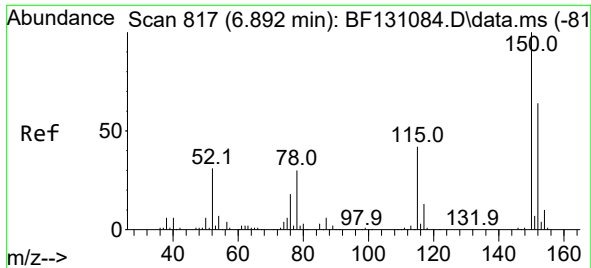
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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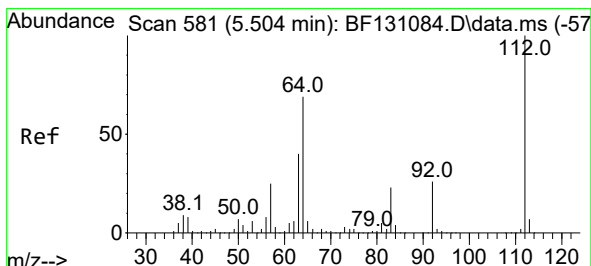
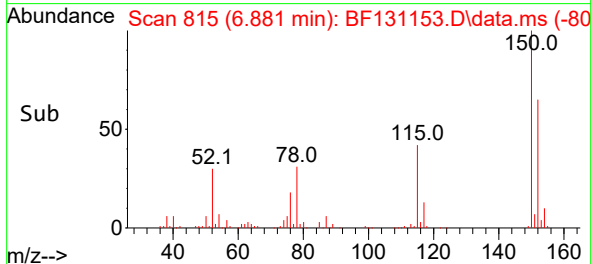
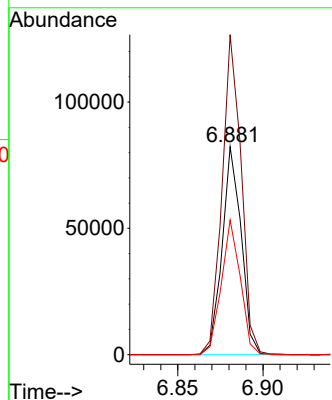
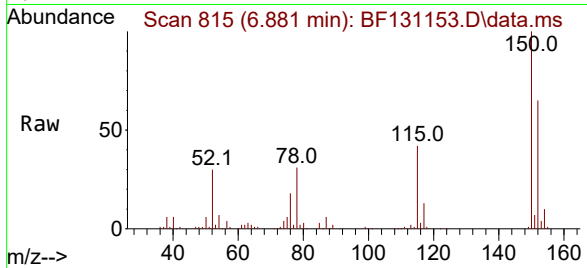




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.011 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

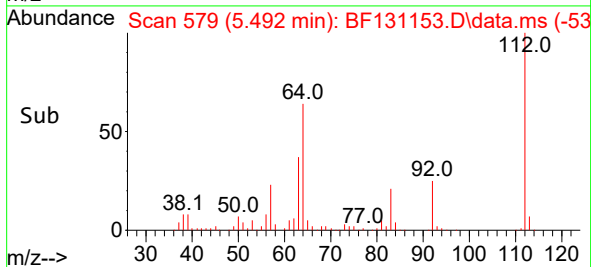
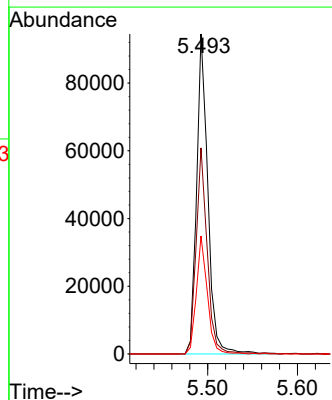
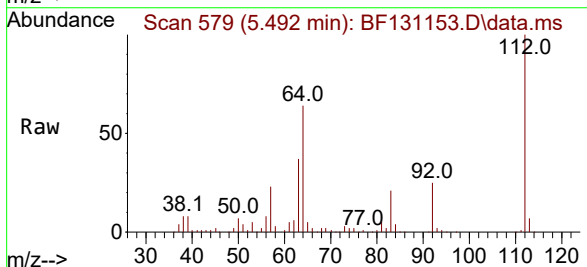
Instrument :
BNA_F
ClientSampleId :
SB-15-20221028-5.5-6.5DL

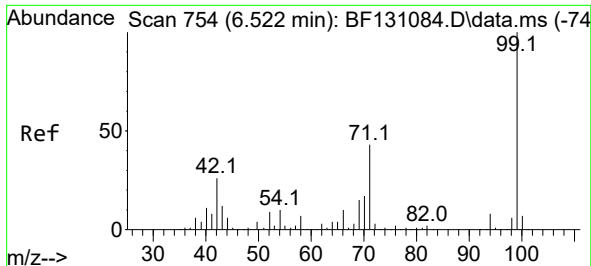
Tgt Ion:152 Resp: 63932
Ion Ratio Lower Upper
152 100
150 153.8 125.5 188.3
115 64.8 52.2 78.2



#5
2-Fluorophenol
Concen: 21.861 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.011 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

Tgt Ion:112 Resp: 82182
Ion Ratio Lower Upper
112 100
64 64.4 55.1 82.7
63 36.8 32.4 48.6

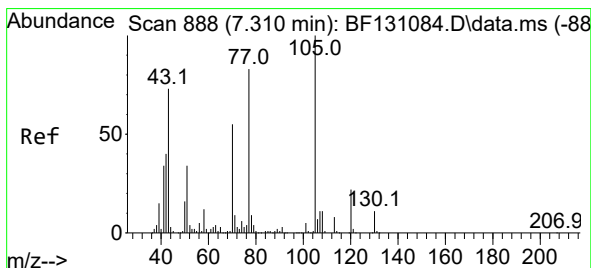
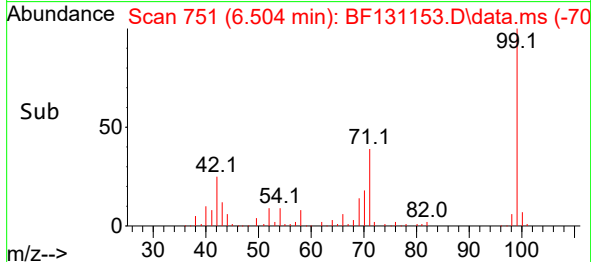
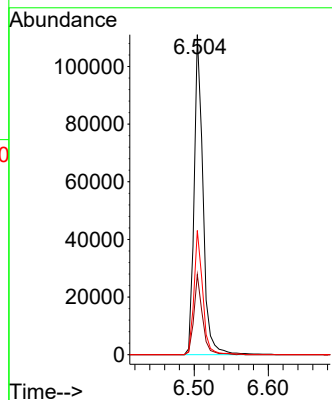
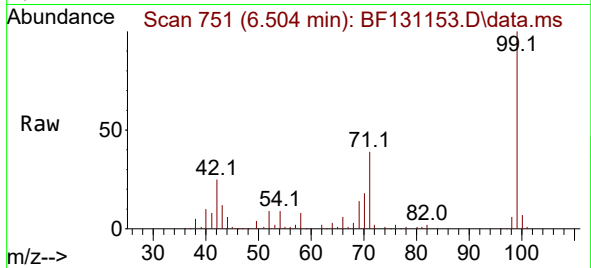




#7
Phenol-d6
Concen: 18.841 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

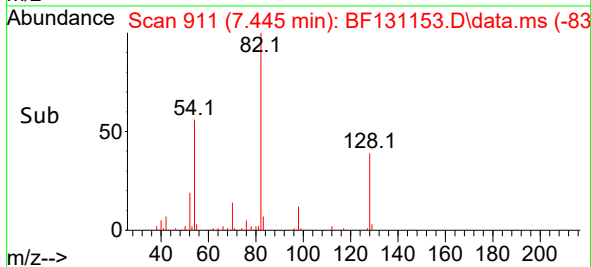
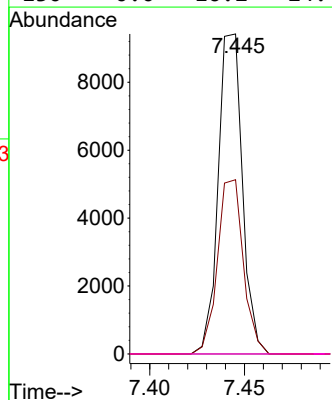
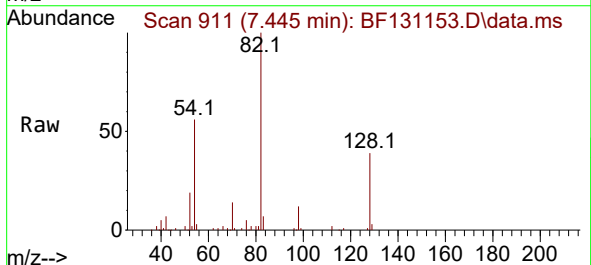
Instrument :
BNA_F
ClientSampleId :
SB-15-20221028-5.5-6.5DL

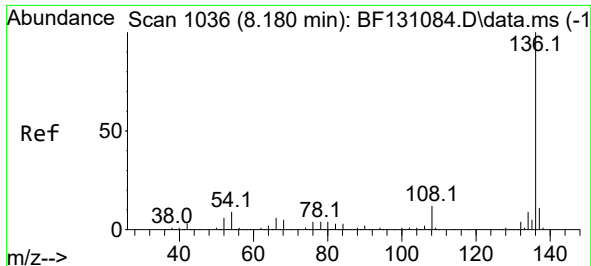
Tgt Ion: 99 Resp: 92599
Ion Ratio Lower Upper
99 100
42 25.0 20.8 31.2
71 38.8 34.2 51.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.601 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.135 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

Tgt Ion: 70 Resp: 8395
Ion Ratio Lower Upper
70 100
42 54.5 58.3 87.5#
101 0.0 7.4 11.2#
130 0.0 16.2 24.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.011 min

Lab File: BF131153.D

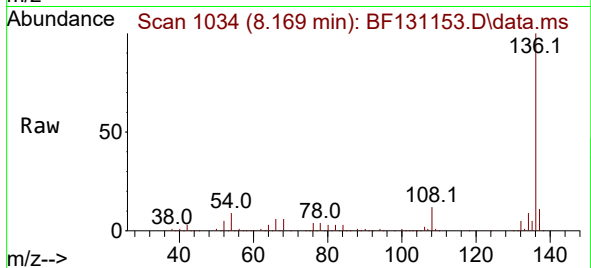
Acq: 11 Nov 2022 14:03

Instrument :

BNA_F

ClientSampleId :

SB-15-20221028-5.5-6.5DL



Tgt Ion:136 Resp: 262932

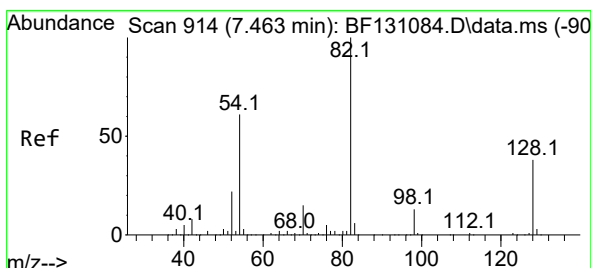
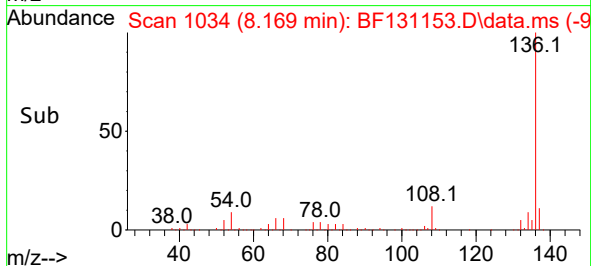
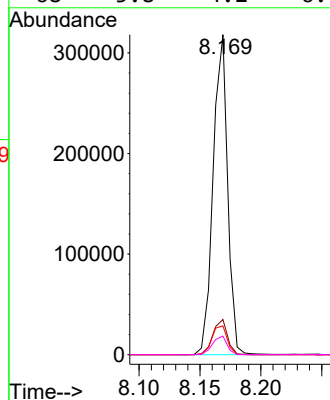
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 9.0 7.2 10.8

68 5.8 4.2 6.4



#23

Nitrobenzene-d5

Concen: 10.319 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.018 min

Lab File: BF131153.D

Acq: 11 Nov 2022 14:03

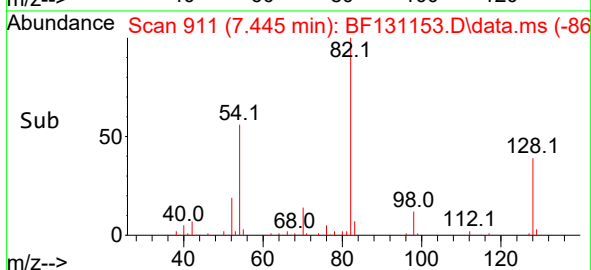
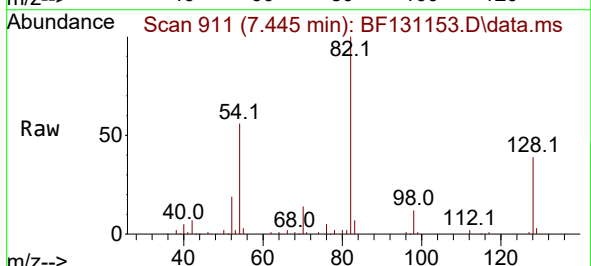
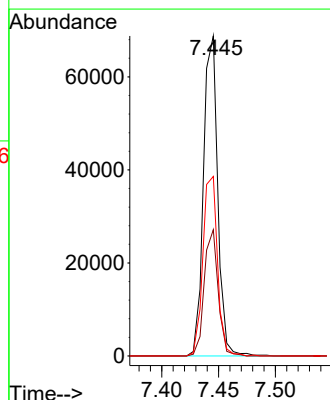
Tgt Ion: 82 Resp: 60132

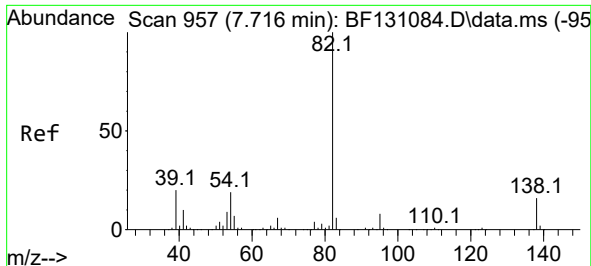
Ion Ratio Lower Upper

82 100

128 39.5 30.5 45.7

54 56.1 49.1 73.7

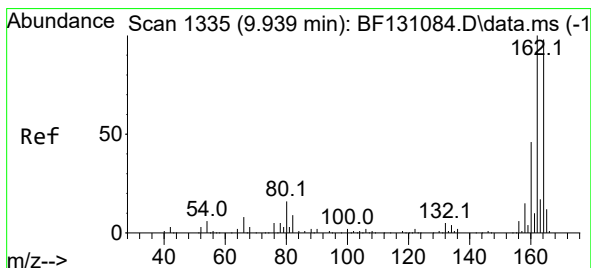
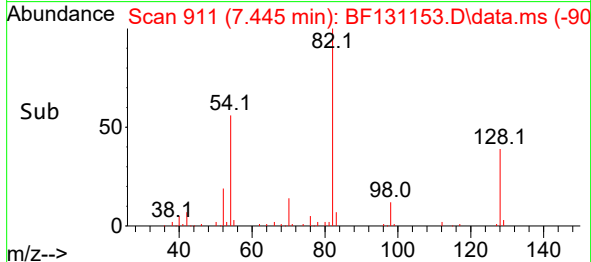
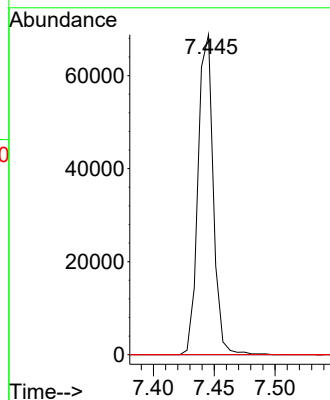
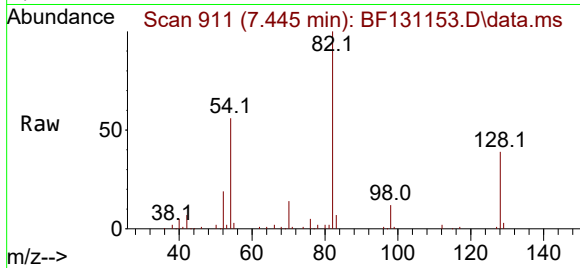




#25
Isophorone
Concen: 6.673 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.270 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

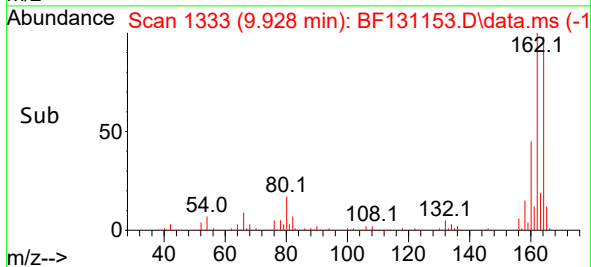
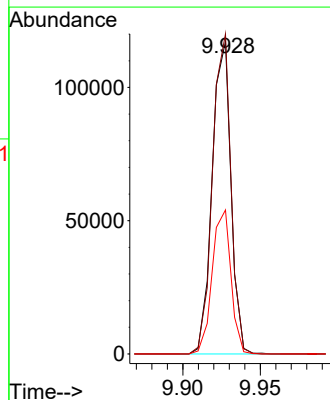
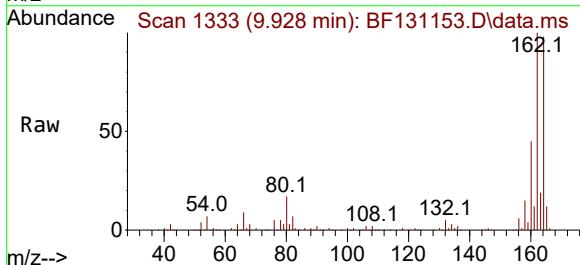
Instrument :
BNA_F
ClientSampleId :
SB-15-20221028-5.5-6.5DL

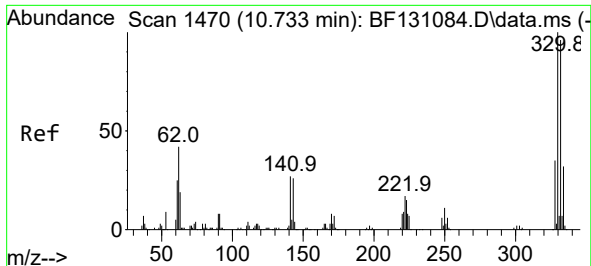
Tgt Ion: 82 Resp: 60132
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.011 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

Tgt Ion:164 Resp: 98830
Ion Ratio Lower Upper
164 100
162 102.4 81.7 122.5
160 46.1 37.4 56.2

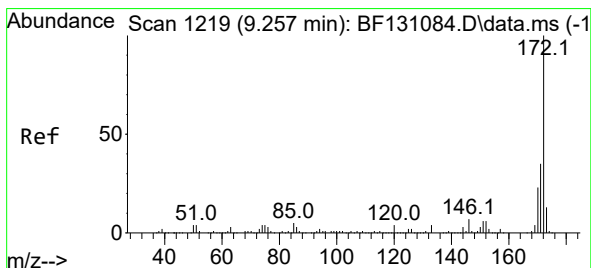
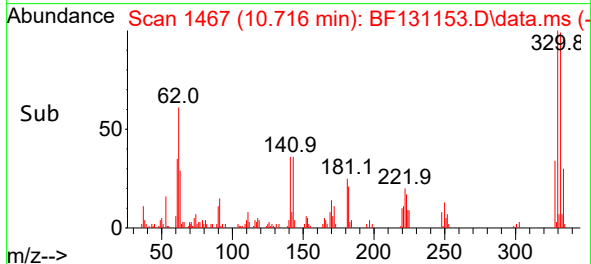
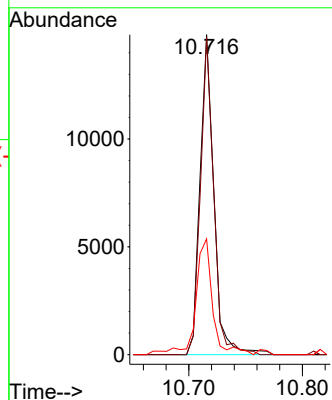
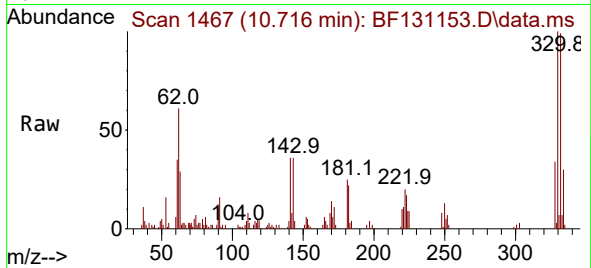




#42
2,4,6-Tribromophenol
Concen: 12.340 ng
RT: 10.716 min Scan# 1470
Delta R.T. -0.018 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

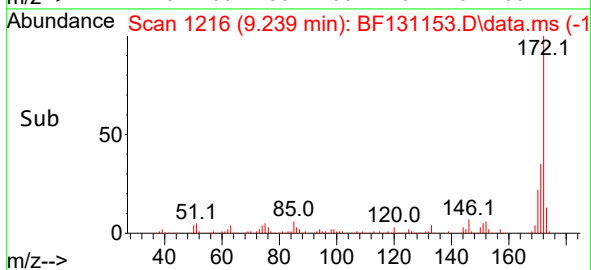
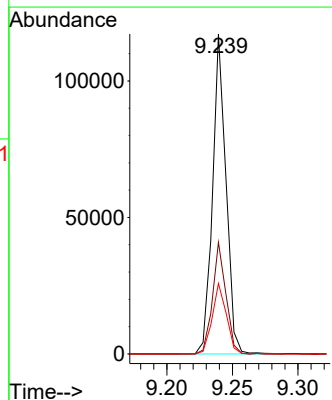
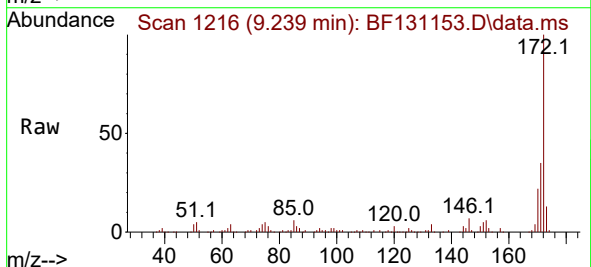
Instrument :
BNA_F
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SB-15-20221028-5.5-6.5DL

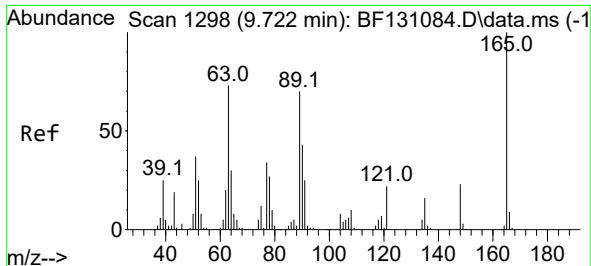
Tgt Ion: 330 Resp: 12604
Ion Ratio Lower Upper
330 100
332 95.2 77.0 115.4
141 44.1 28.5 42.7#



#45
2-Fluorobiphenyl
Concen: 11.796 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.018 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

Tgt Ion: 172 Resp: 83513
Ion Ratio Lower Upper
172 100
171 34.9 27.7 41.5
170 22.1 18.8 28.2

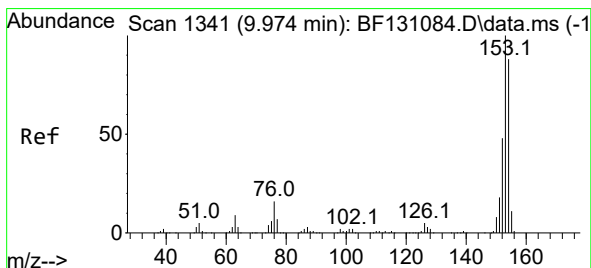
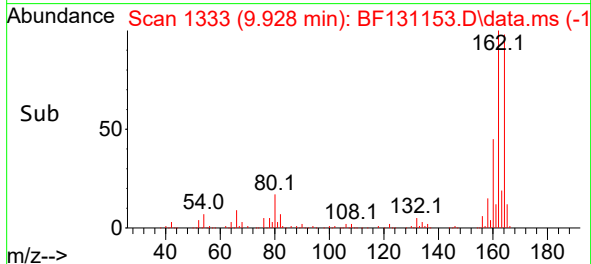
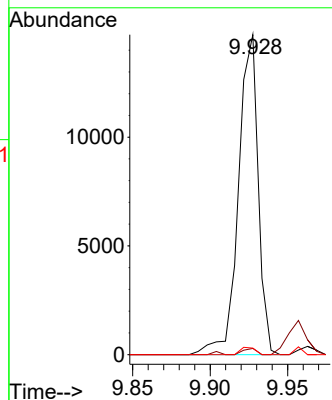
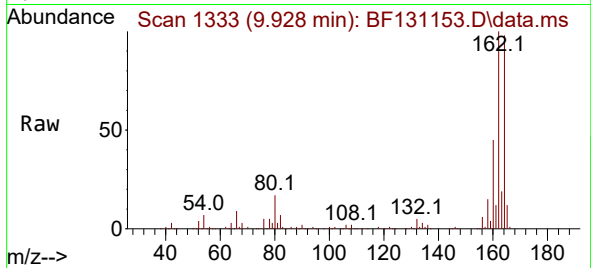




#51
2,6-Dinitrotoluene
Concen: 8.451 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.206 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

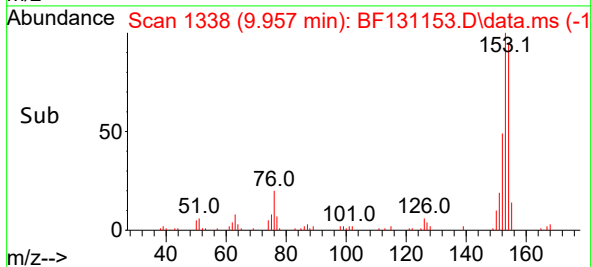
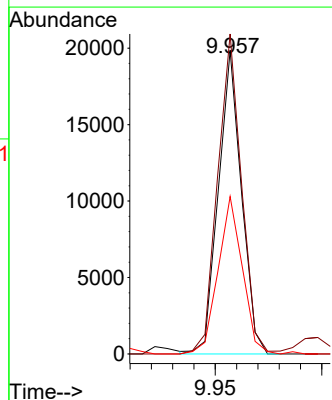
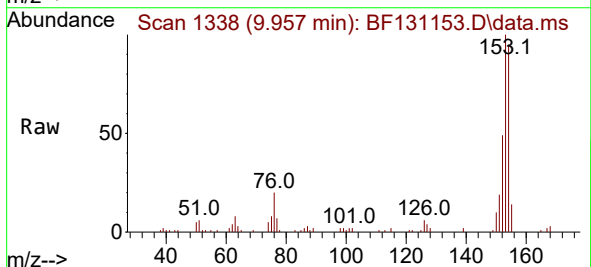
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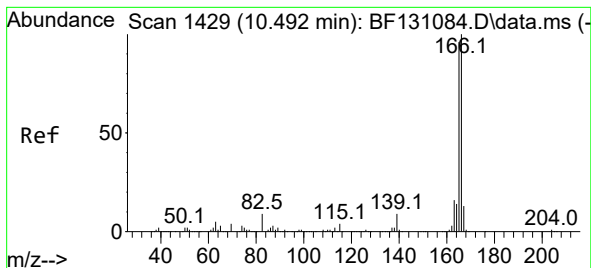
Tgt Ion:165 Resp: 13056
Ion Ratio Lower Upper
165 100
63 1.9 61.4 92.2#
89 2.1 56.0 84.0#



#52
Acenaphthene
Concen: 2.630 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.018 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

Tgt Ion:154 Resp: 14865
Ion Ratio Lower Upper
154 100
153 105.4 90.8 136.2
152 51.9 43.4 65.2





#58

Fluorene

Concen: 2.332 ng

RT: 10.475 min Scan# 1429

Delta R.T. -0.018 min

Lab File: BF131153.D

Acq: 11 Nov 2022 14:03

Instrument :

BNA_F

ClientSampleId :

SB-15-20221028-5.5-6.5DL

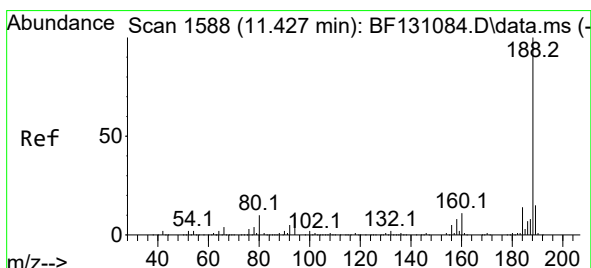
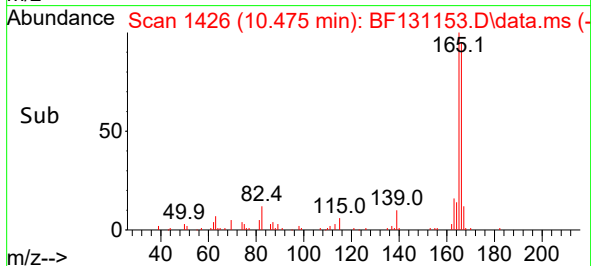
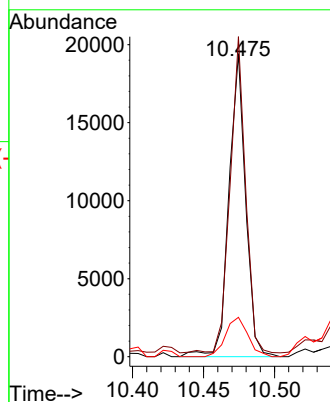
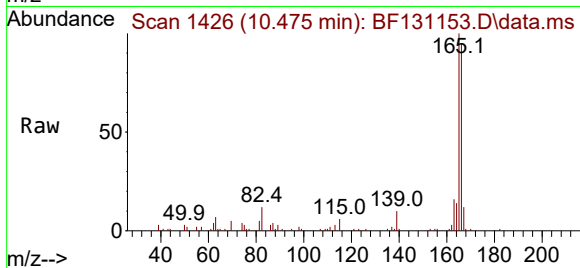
Tgt Ion:166 Resp: 15852

Ion Ratio Lower Upper

166 100

165 105.6 77.2 115.8

167 13.0 10.2 15.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1586

Delta R.T. -0.011 min

Lab File: BF131153.D

Acq: 11 Nov 2022 14:03

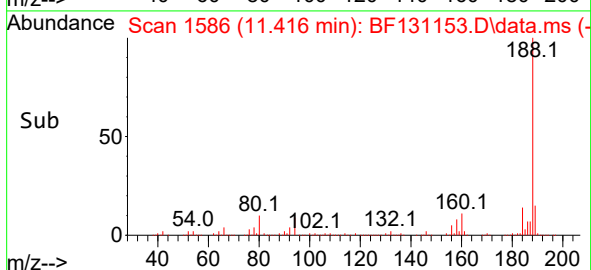
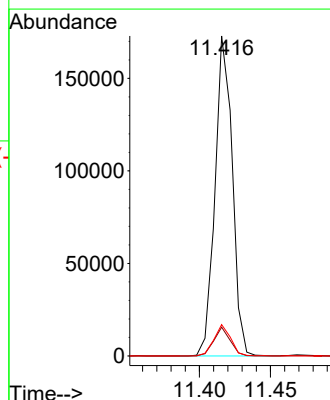
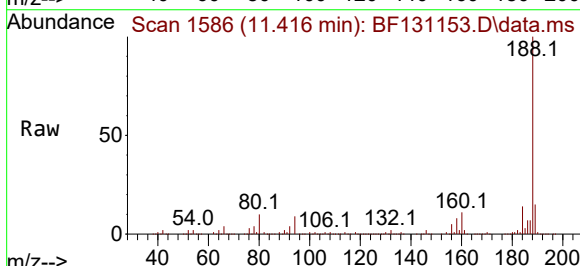
Tgt Ion:188 Resp: 145952

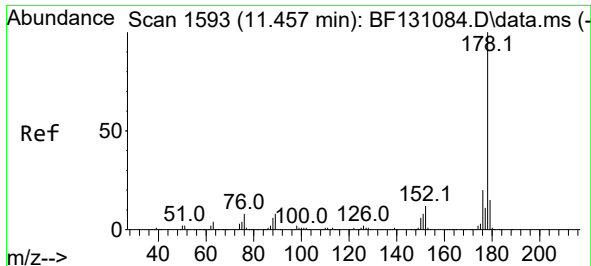
Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.6

80 9.8 7.9 11.9

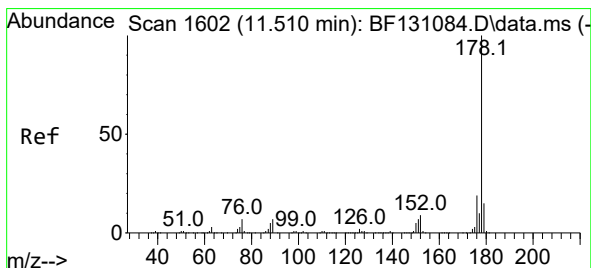
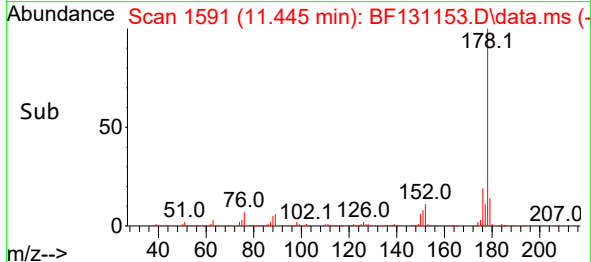
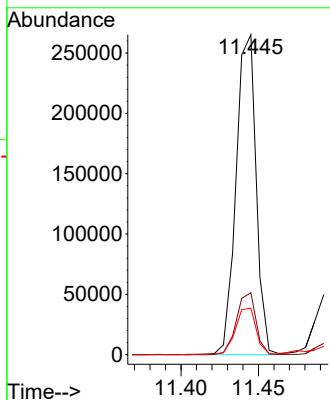
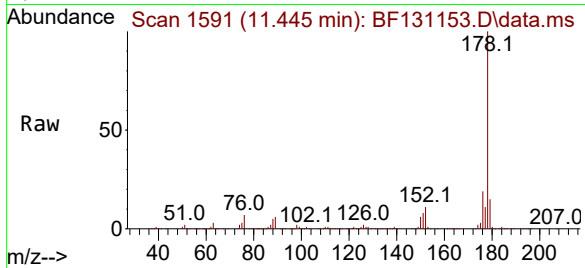




#71
Phenanthrene
Concen: 29.761 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.012 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

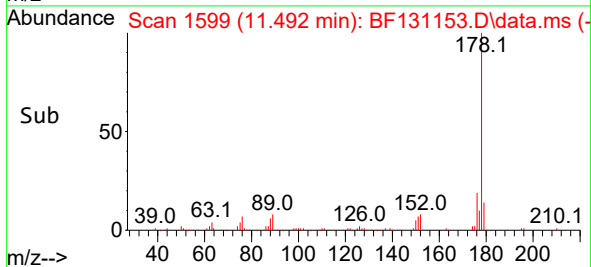
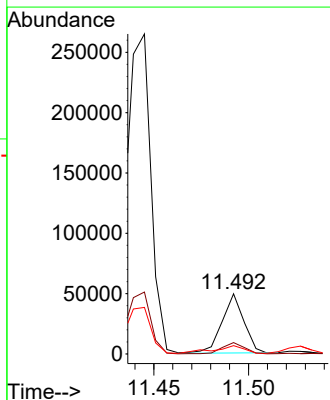
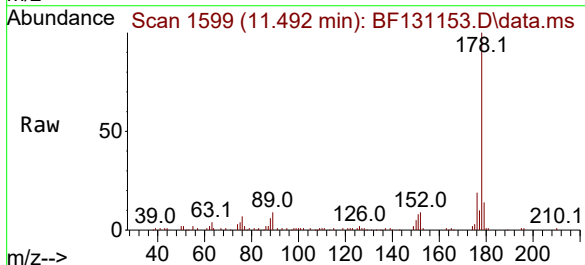
Instrument :
BNA_F
ClientSampleId :
SB-15-20221028-5.5-6.5DL

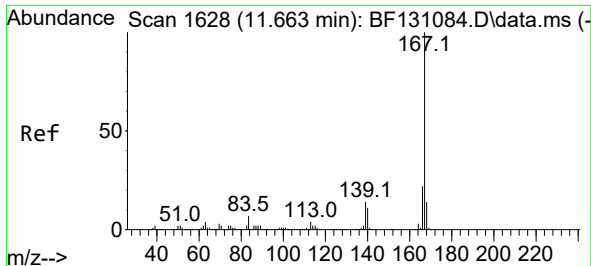
Tgt Ion:178 Resp: 238900
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 14.5 12.2 18.2



#72
Anthracene
Concen: 5.059 ng
RT: 11.492 min Scan# 1599
Delta R.T. -0.018 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

Tgt Ion:178 Resp: 39412
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 14.0 11.8 17.8

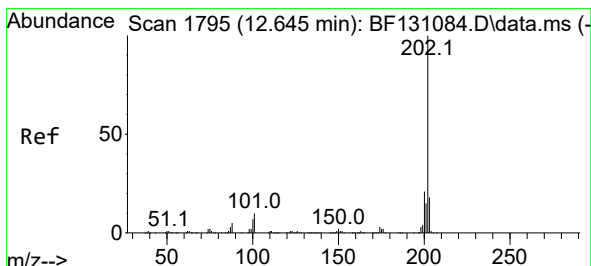
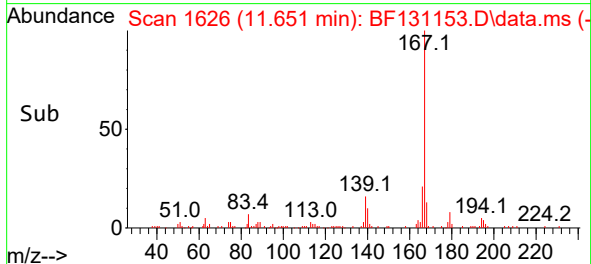
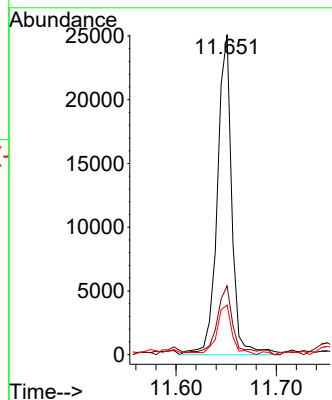
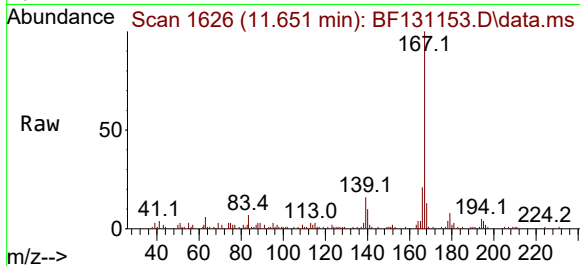




#73
 Carbazole
 Concen: 3.646 ng
 RT: 11.651 min Scan# 1626
 Delta R.T. -0.012 min
 Lab File: BF131153.D
 Acq: 11 Nov 2022 14:03

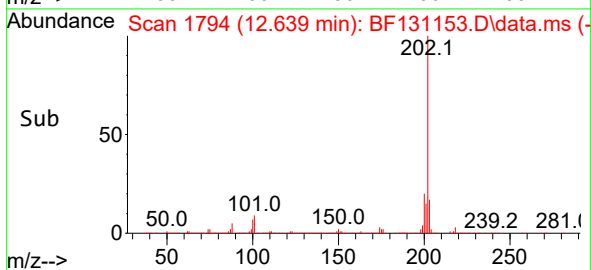
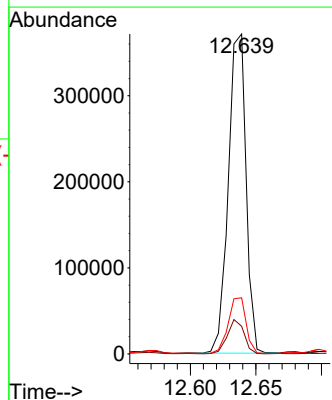
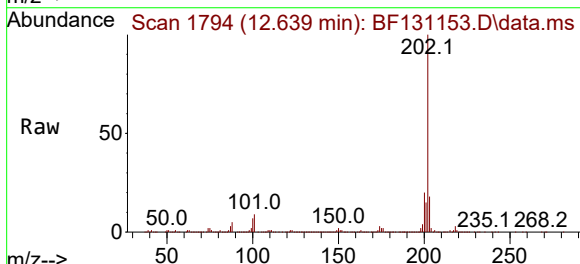
Instrument :
 BNA_F
 ClientSampleId :
 SB-15-20221028-5.5-6.5DL

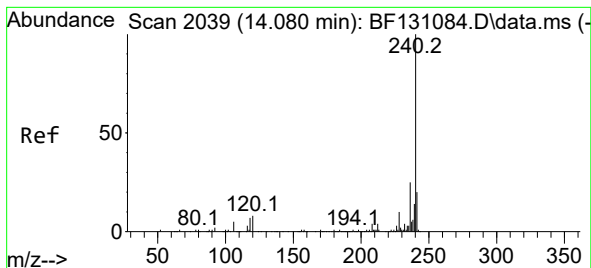
Tgt Ion:167 Resp: 25259
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.6 26.4
 139 15.5 10.8 16.2



#75
 Fluoranthene
 Concen: 43.518 ng
 RT: 12.639 min Scan# 1794
 Delta R.T. -0.006 min
 Lab File: BF131153.D
 Acq: 11 Nov 2022 14:03

Tgt Ion:202 Resp: 349674
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 30.0
 203 17.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2037

Delta R.T. -0.012 min

Lab File: BF131153.D

Acq: 11 Nov 2022 14:03

Instrument :

BNA_F

ClientSampleId :

SB-15-20221028-5.5-6.5DL

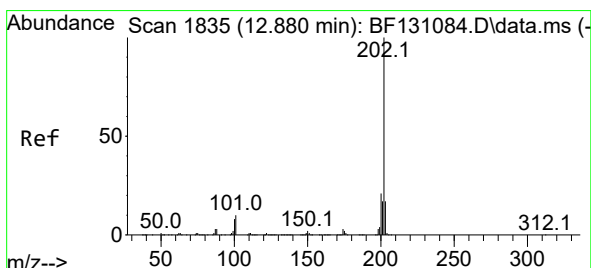
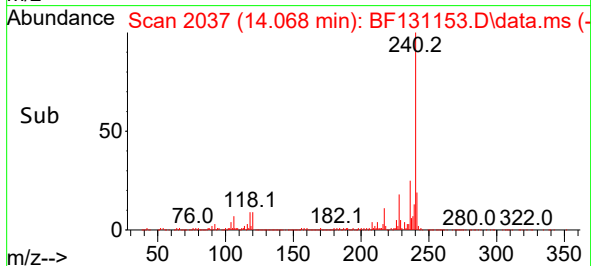
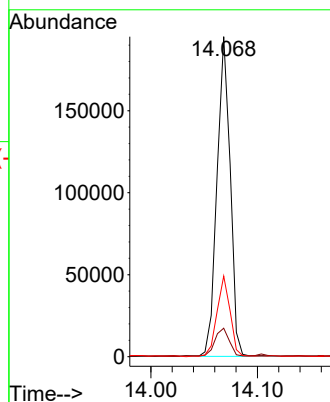
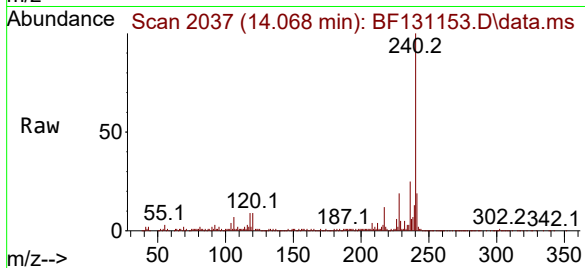
Tgt Ion:240 Resp: 167501

Ion Ratio Lower Upper

240 100

120 8.9 6.5 9.7

236 25.2 19.7 29.5



#78

Pyrene

Concen: 26.039 ng

RT: 12.868 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF131153.D

Acq: 11 Nov 2022 14:03

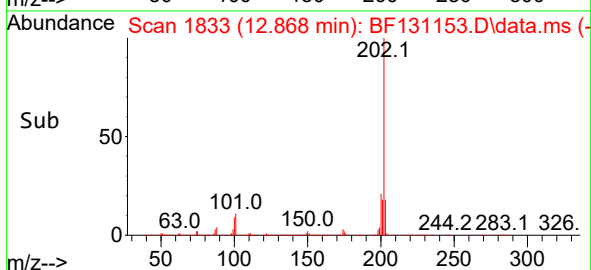
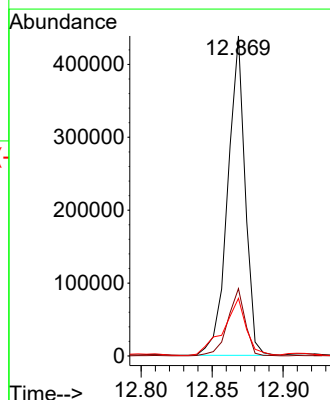
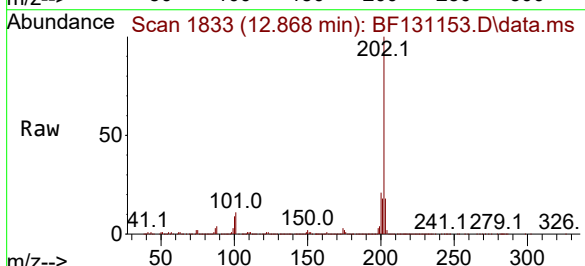
Tgt Ion:202 Resp: 374208

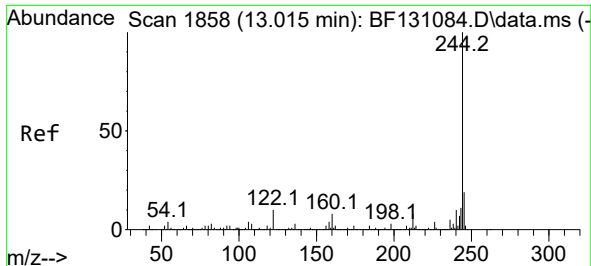
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 18.0 13.6 20.4

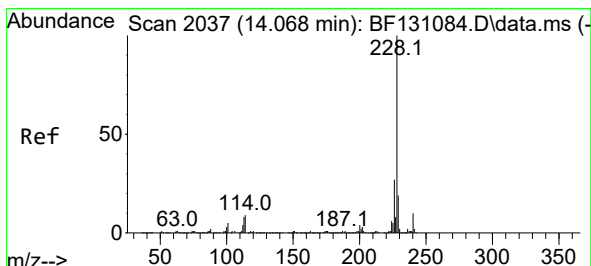
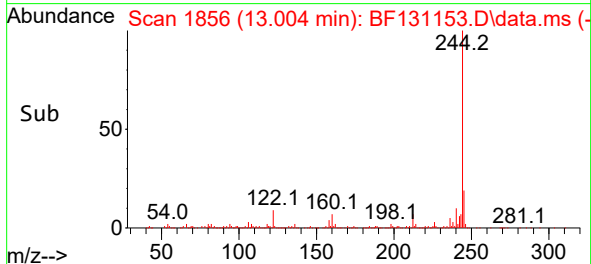
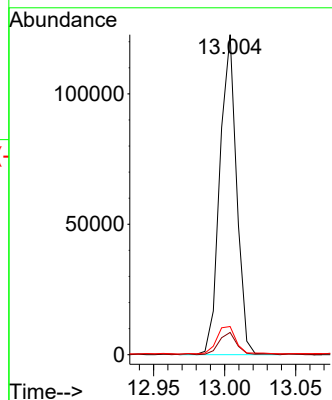
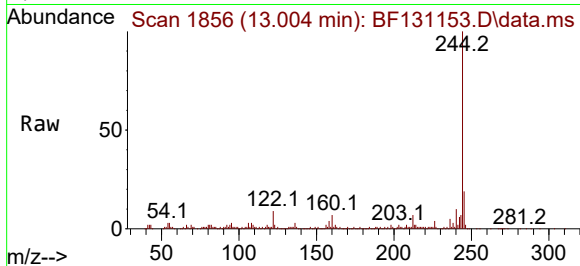




#79
 Terphenyl-d14
 Concen: 10.505 ng
 RT: 13.004 min Scan# 11
 Delta R.T. -0.011 min
 Lab File: BF131153.D
 Acq: 11 Nov 2022 14:03

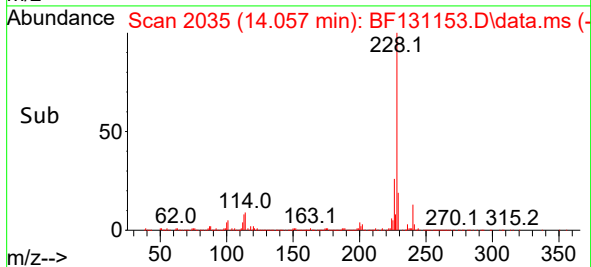
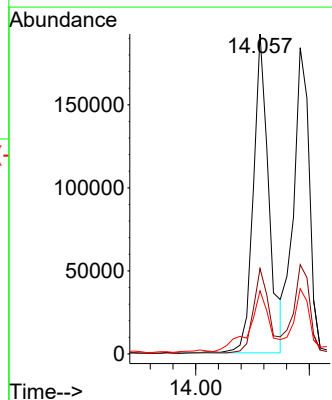
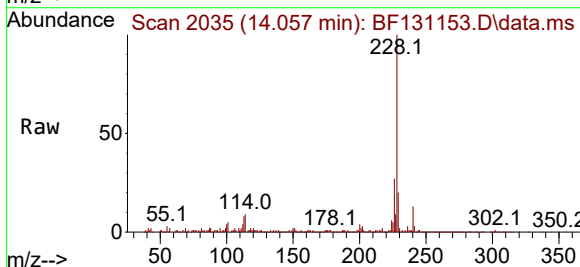
Instrument :
 BNA_F
 ClientSampleId :
 SB-15-20221028-5.5-6.5DL

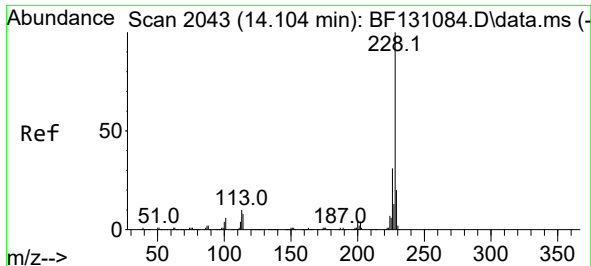
Tgt Ion:244 Resp: 100357
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.2
 122 8.8 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 15.186 ng
 RT: 14.057 min Scan# 2035
 Delta R.T. -0.012 min
 Lab File: BF131153.D
 Acq: 11 Nov 2022 14:03

Tgt Ion:228 Resp: 181815
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.8 32.6
 229 19.8 15.4 23.2

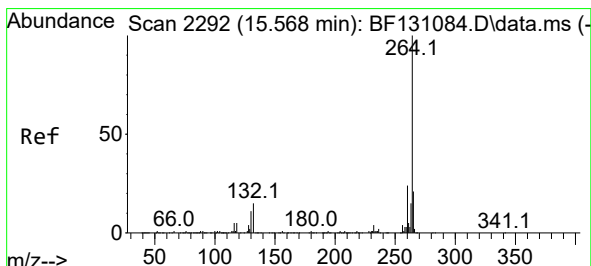
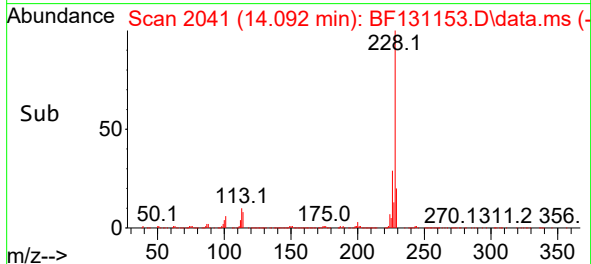
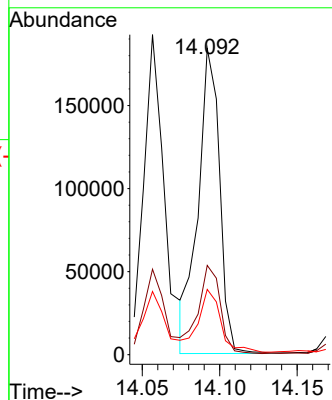
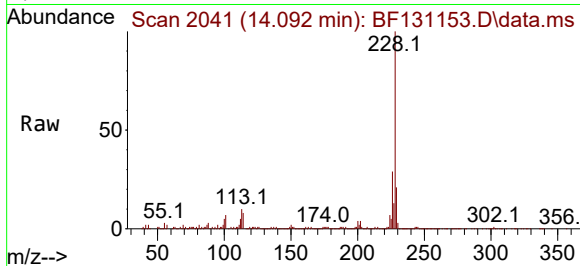




#83
Chrysene
Concen: 15.692 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.012 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

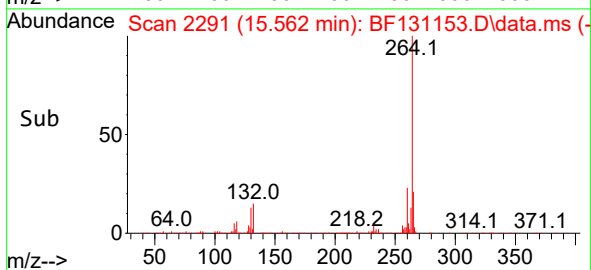
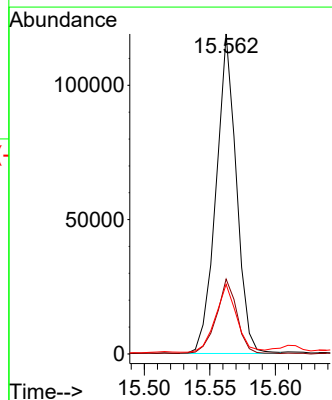
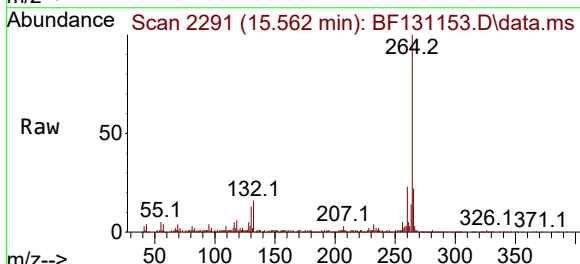
Instrument :
BNA_F
ClientSampleId :
SB-15-20221028-5.5-6.5DL

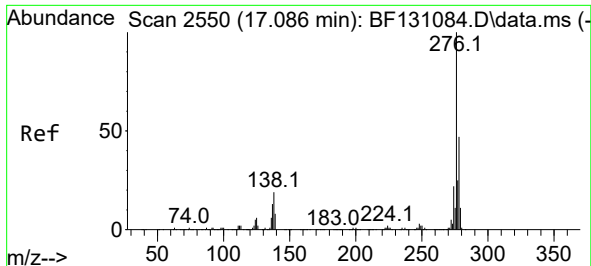
Tgt Ion:228 Resp: 177432
Ion Ratio Lower Upper
228 100
226 29.1 24.4 36.6
229 21.3 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

Tgt Ion:264 Resp: 128168
Ion Ratio Lower Upper
264 100
260 23.4 19.1 28.7
265 21.7 16.7 25.1

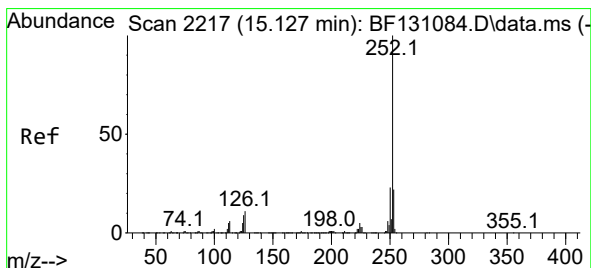
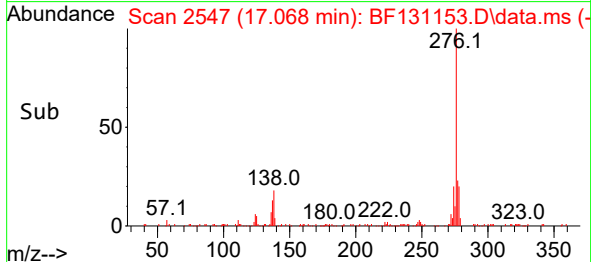
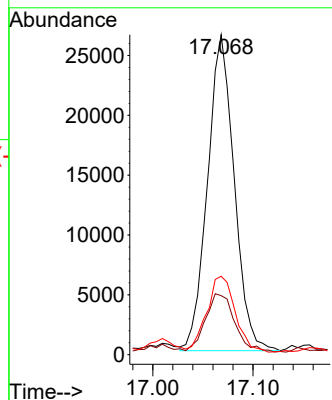
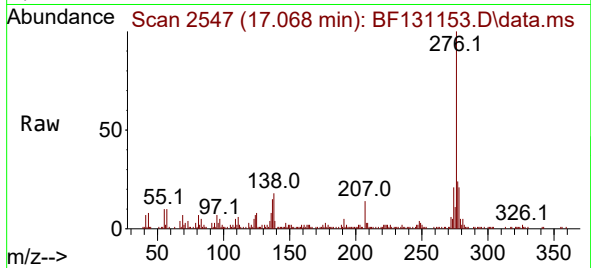




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.149 ng
 RT: 17.068 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF131153.D
 Acq: 11 Nov 2022 14:03

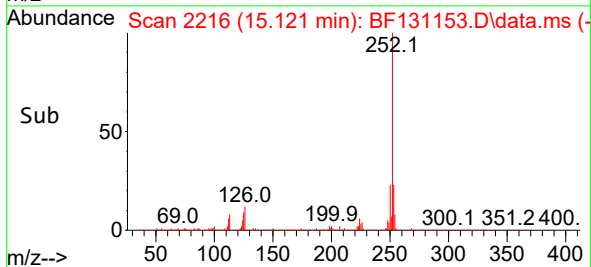
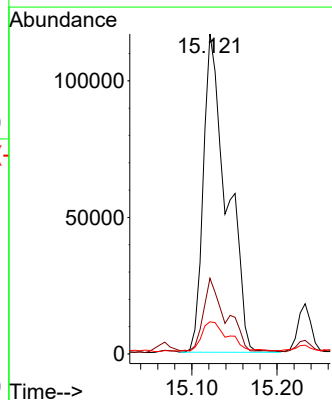
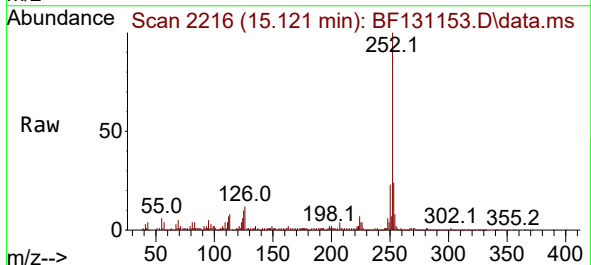
Instrument :
 BNA_F
 ClientSampleId :
 SB-15-20221028-5.5-6.5DL

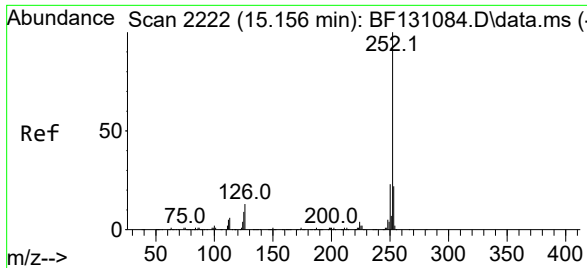
Tgt Ion:276 Resp: 48861
 Ion Ratio Lower Upper
 276 100
 138 20.3 16.9 25.3
 277 25.4 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 24.651 ng
 RT: 15.121 min Scan# 2216
 Delta R.T. -0.006 min
 Lab File: BF131153.D
 Acq: 11 Nov 2022 14:03

Tgt Ion:252 Resp: 223378
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.3 25.9
 125 10.1 7.2 10.8

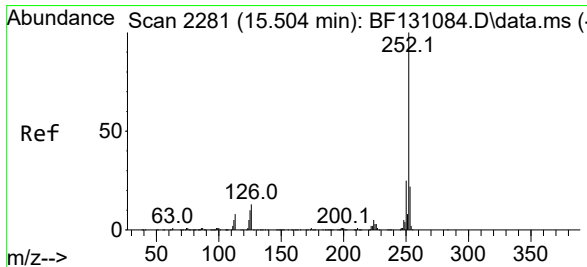
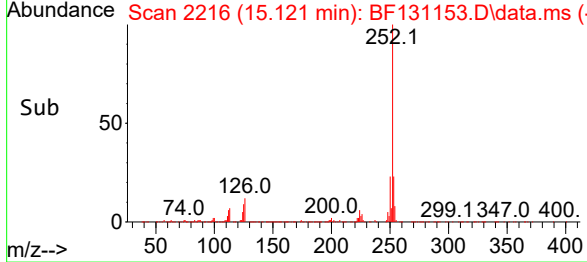
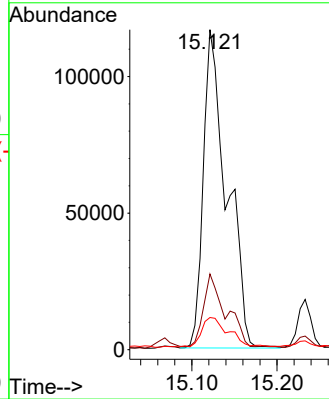
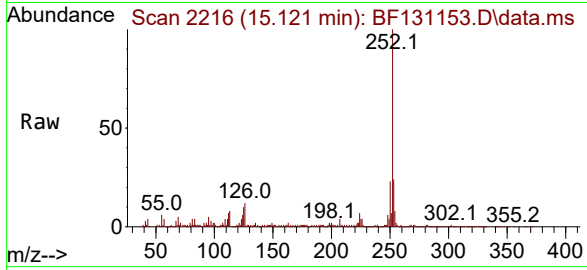




#89
Benzo(k)fluoranthene
Concen: 25.647 ng
RT: 15.121 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

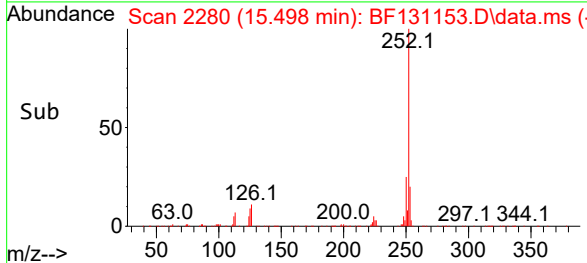
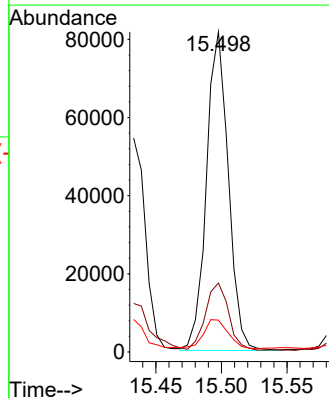
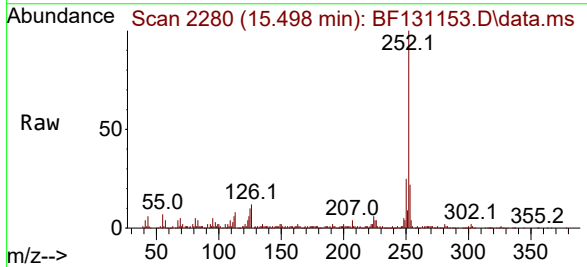
Instrument :
BNA_F
ClientSampleId :
SB-15-20221028-5.5-6.5DL

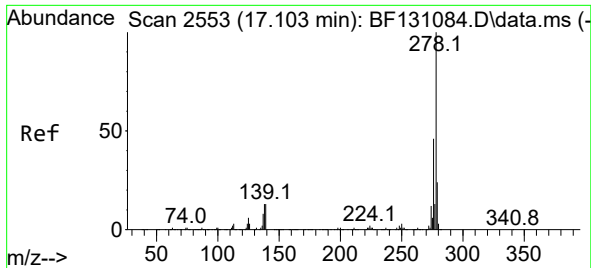
Tgt Ion:252 Resp: 223378
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 10.1 7.5 11.3



#90
Benzo(a)pyrene
Concen: 13.056 ng
RT: 15.498 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

Tgt Ion:252 Resp: 94849
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 10.0 8.1 12.1

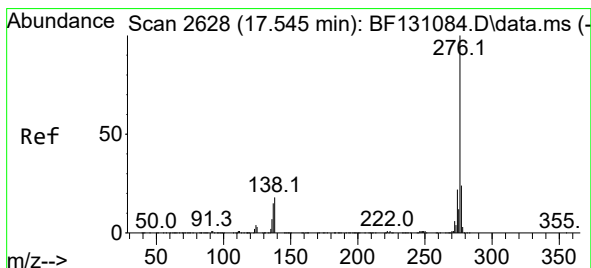
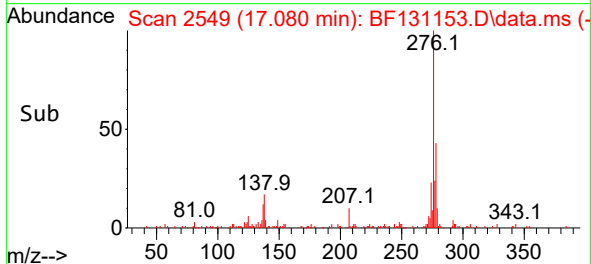
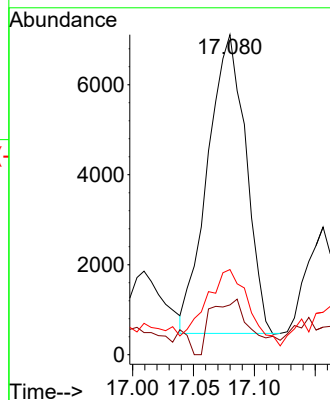
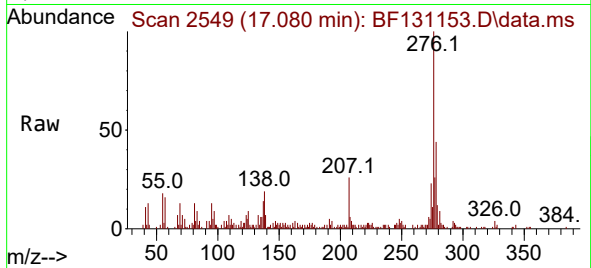




#91
Dibenzo(a,h)anthracene
Concen: 5.404 ng
RT: 17.080 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

Instrument :
BNA_F
ClientSampleId :
SB-15-20221028-5.5-6.5DL

Tgt Ion:278 Resp: 14458
Ion Ratio Lower Upper
278 100
139 15.5 10.8 16.2
279 26.6 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 8.156 ng
RT: 17.521 min Scan# 2624
Delta R.T. -0.024 min
Lab File: BF131153.D
Acq: 11 Nov 2022 14:03

Tgt Ion:276 Resp: 37576
Ion Ratio Lower Upper
276 100
277 22.3 19.0 28.4
138 16.9 14.6 21.8

