

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131176.D
 Acq On : 12 Nov 2022 03:41
 Operator : CG\JU
 Sample : N5508-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-110722

Quant Time: Nov 12 04:03:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 12 00:03:31 2022
 Response via : Initial Calibration

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

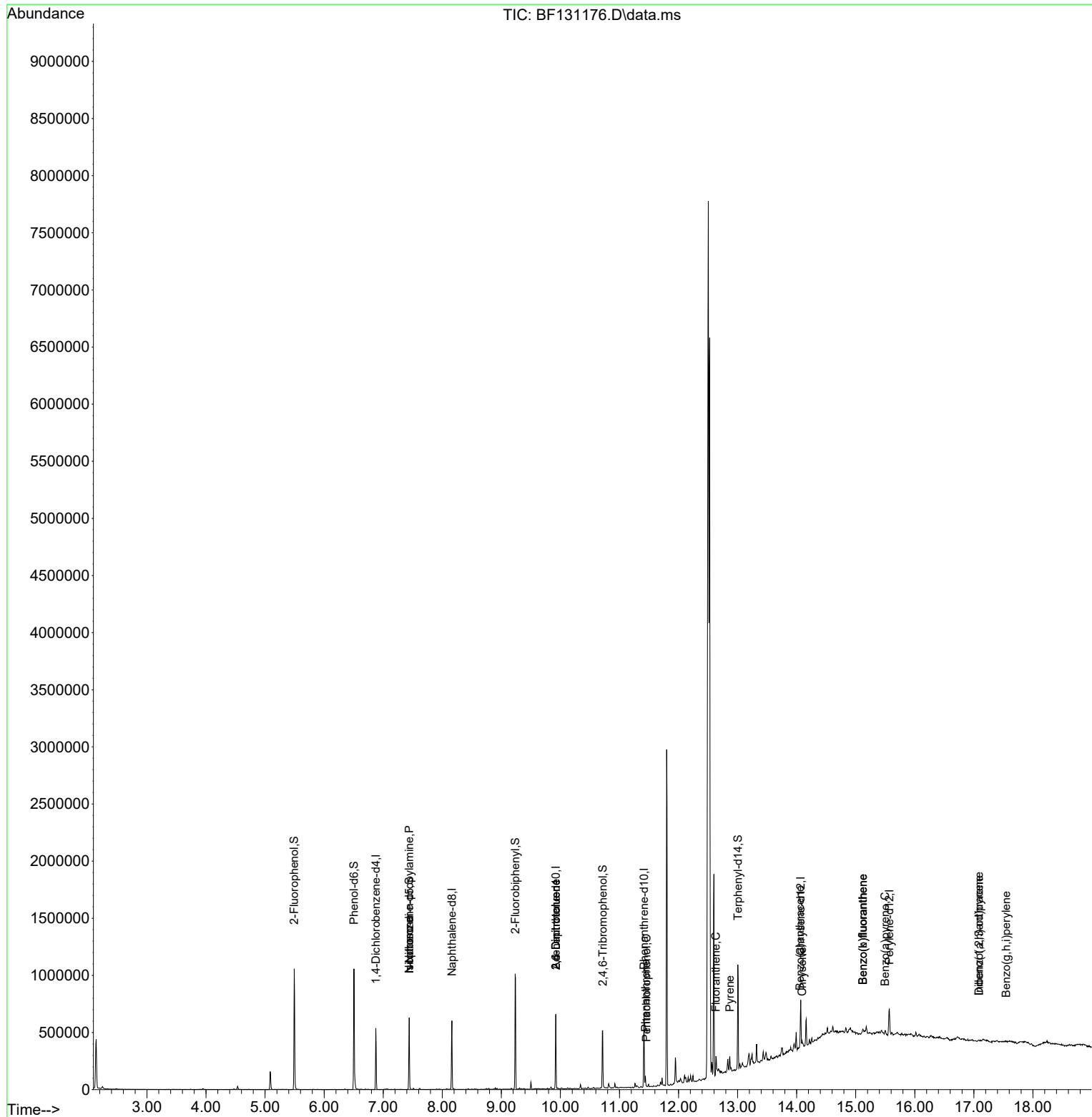
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	67697	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	232149	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	112142	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	208075	20.000	ng	0.00
76) Chrysene-d12	14.069	240	127794	20.000	ng	# 0.01
86) Perylene-d12	15.568	264	94691	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	249353	62.640	ng	0.00
7) Phenol-d6	6.504	99	288018	55.342	ng	0.00
23) Nitrobenzene-d5	7.440	82	163108	31.701	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	58133	50.160	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	291750	36.318	ng	0.00
79) Terphenyl-d14	13.004	244	298434	40.945	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	22213	6.501	ng	# 76
25) Isophorone	7.440	82	163106	20.502	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	14437	8.235	ng	# 14
57) 2,4-Dinitrotoluene	9.922	165	14437	6.195	ng	# 16
70) Pentachlorophenol	11.457	266	61	5.571	ng	# 19
71) Phenanthrene	11.439	178	30079	2.628	ng	98
75) Fluoranthene	12.633	202	48654	4.247	ng	97
78) Pyrene	12.869	202	44215	4.033	ng	95
81) Benzo(a)anthracene	14.057	228	20364	2.229	ng	# 83
83) Chrysene	14.092	228	20170	2.338	ng	# 89
87) Indeno(1,2,3-cd)pyrene	17.086	276	8625	4.888	ng	97
88) Benzo(b)fluoranthene	15.121	252	25773	3.850	ng	# 69
89) Benzo(k)fluoranthene	15.121	252	25773	4.005	ng	# 70
90) Benzo(a)pyrene	15.498	252	12679	2.362	ng	# 62
91) Dibenzo(a,h)anthracene	17.086	278	2829	4.254	ng	# 1
92) Benzo(g,h,i)perylene	17.545	276	7711	5.418	ng	# 67

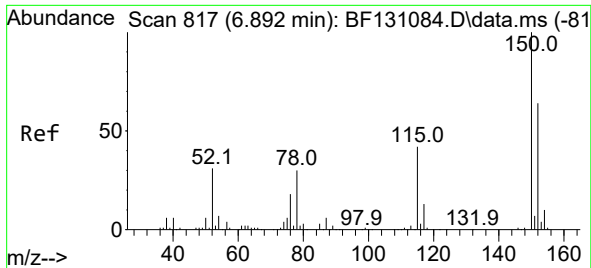
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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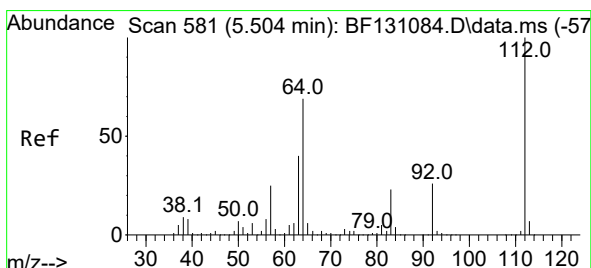
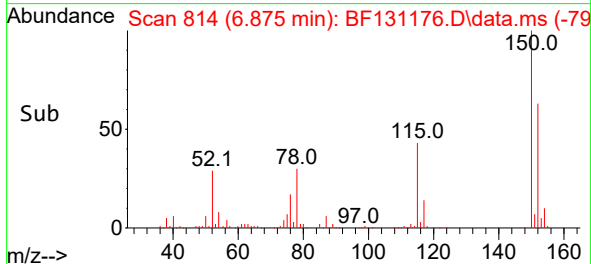
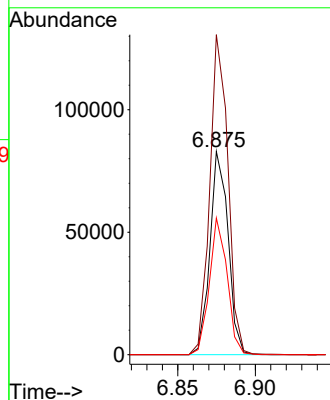
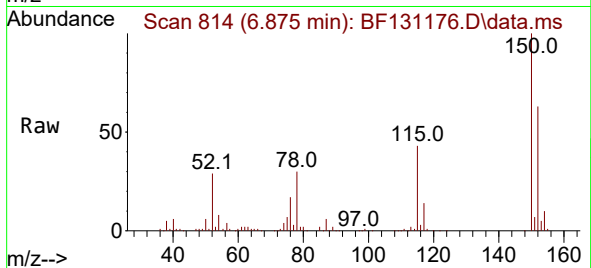




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 817
Delta R.T. -0.000 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

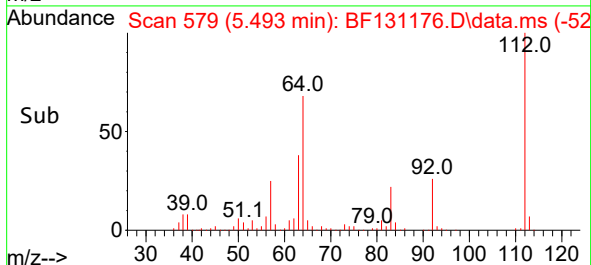
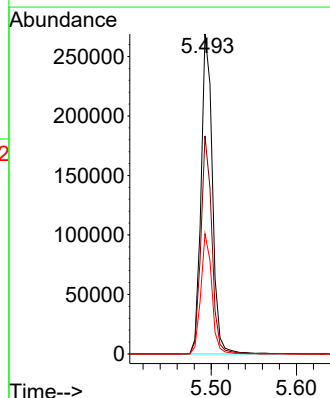
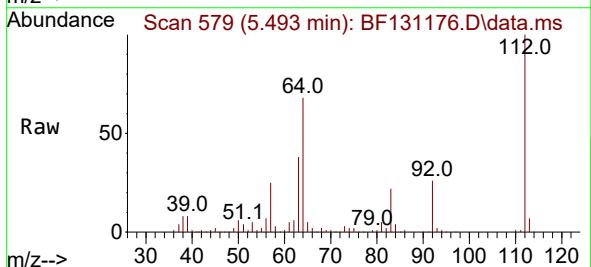
Instrument :
BNA_F
ClientSampleId :
AU-06-110722

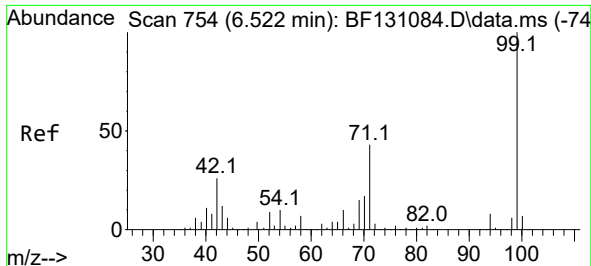
Tgt Ion:152 Resp: 67697
Ion Ratio Lower Upper
152 100
150 157.5 125.5 188.3
115 67.2 52.2 78.2



#5
2-Fluorophenol
Concen: 62.640 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

Tgt Ion:112 Resp: 249353
Ion Ratio Lower Upper
112 100
64 68.2 55.1 82.7
63 37.5 32.4 48.6

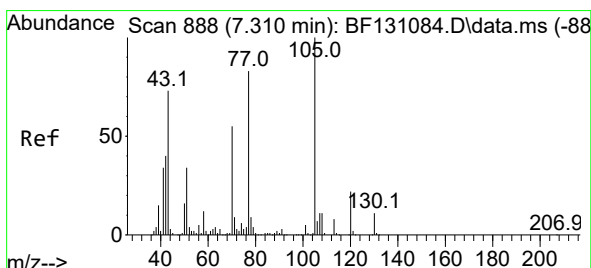
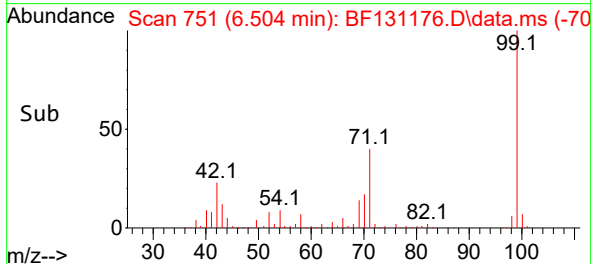
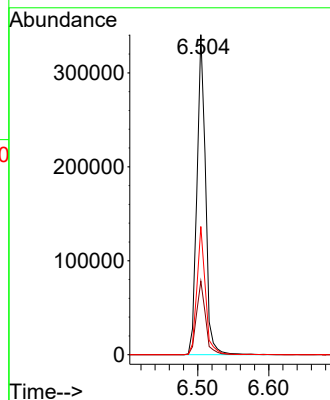
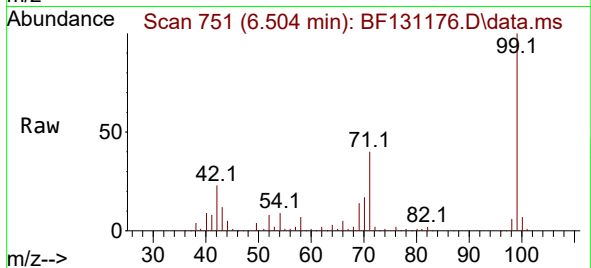




#7
Phenol-d6
Concen: 55.342 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

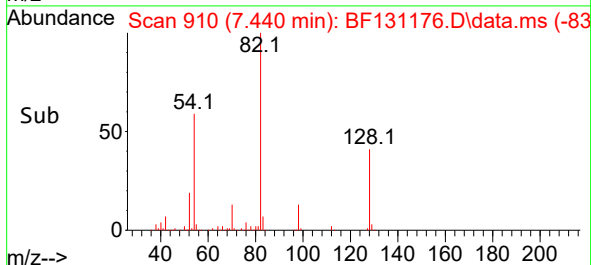
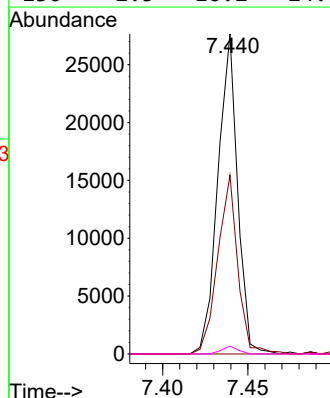
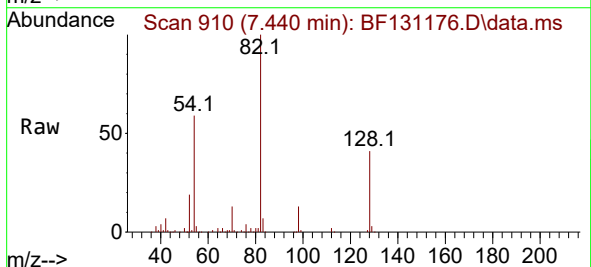
Instrument :
BNA_F
ClientSampleId :
AU-06-110722

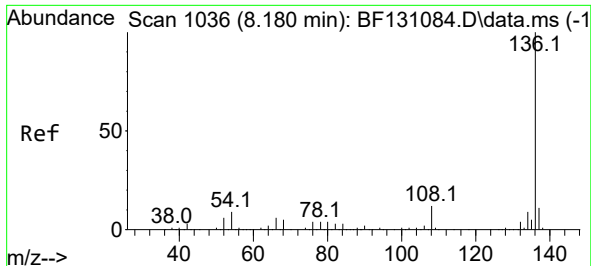
Tgt Ion: 99 Resp: 288018
Ion Ratio Lower Upper
99 100
42 23.0 20.8 31.2
71 40.1 34.2 51.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.501 ng
RT: 7.440 min Scan# 910
Delta R.T. 0.147 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

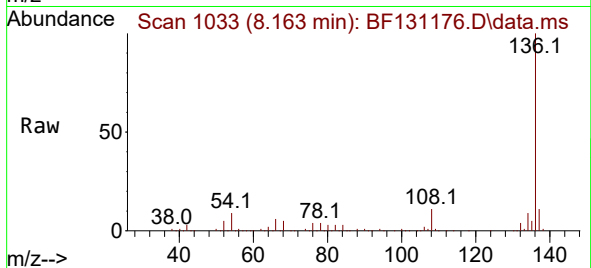
Tgt Ion: 70 Resp: 22213
Ion Ratio Lower Upper
70 100
42 55.8 58.3 87.5#
101 0.0 7.4 11.2#
130 2.5 16.2 24.4#



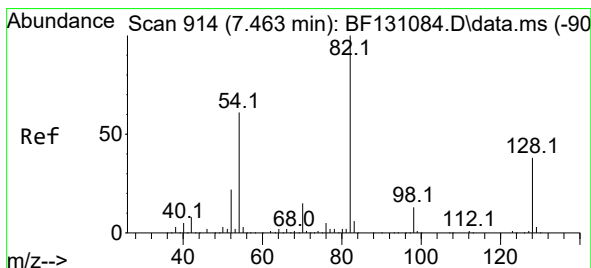
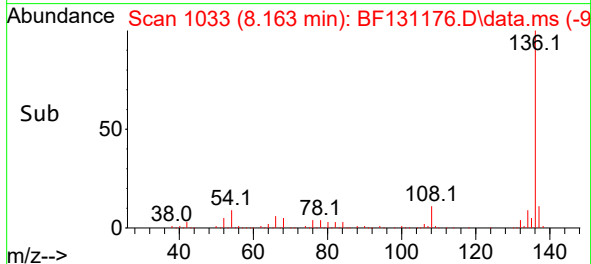
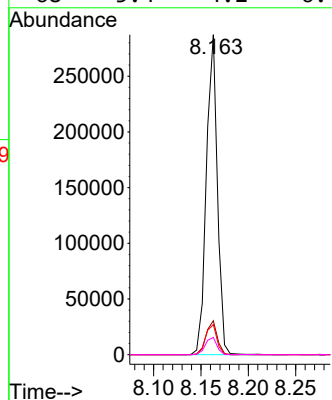


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

Instrument :
BNA_F
ClientSampleId :
AU-06-110722

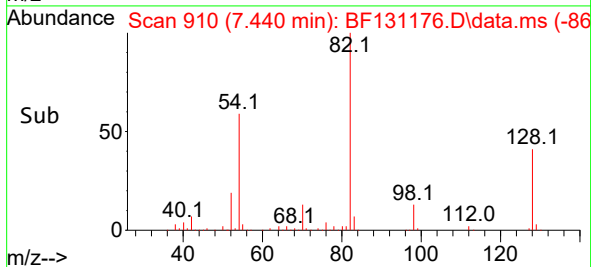
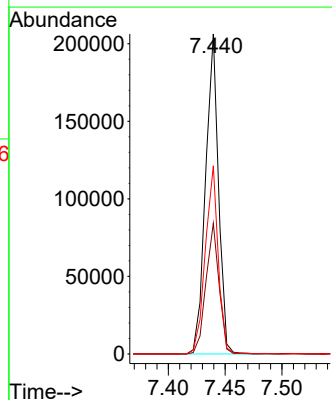
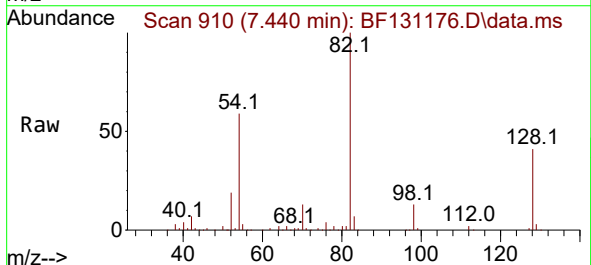


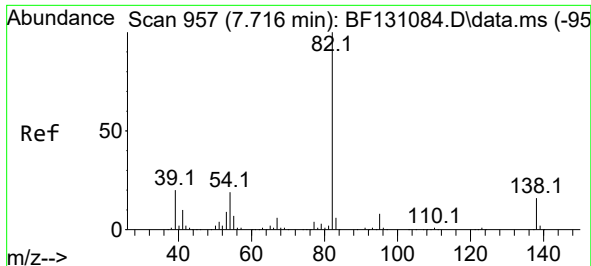
Tgt Ion:136 Resp: 232149
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.4 7.2 10.8
68 5.4 4.2 6.4



#23
Nitrobenzene-d5
Concen: 31.701 ng
RT: 7.440 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

Tgt Ion: 82 Resp: 163108
Ion Ratio Lower Upper
82 100
128 40.8 30.5 45.7
54 58.8 49.1 73.7

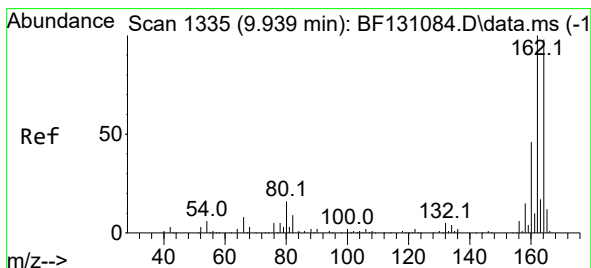
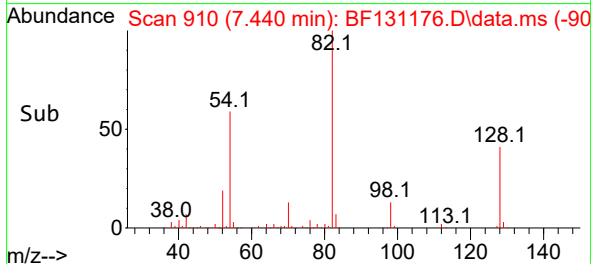
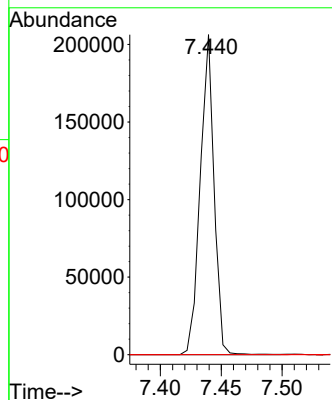
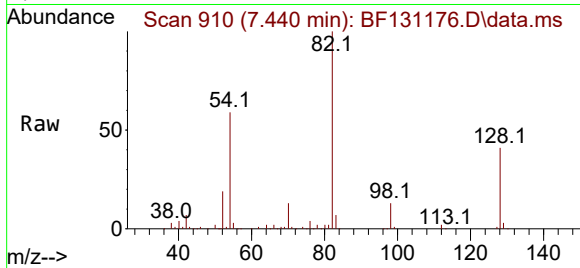




#25
Isophorone
Concen: 20.502 ng
RT: 7.440 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

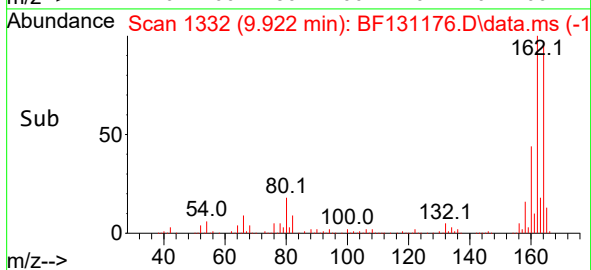
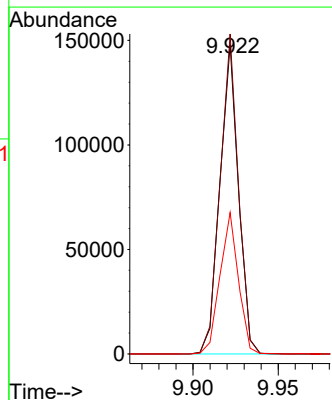
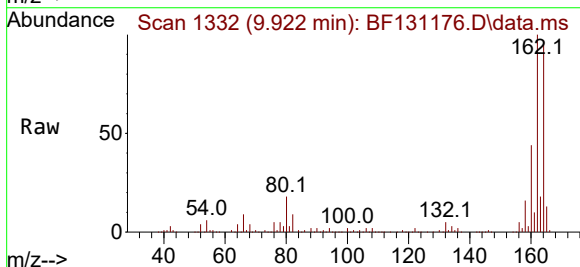
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ClientSampleId :
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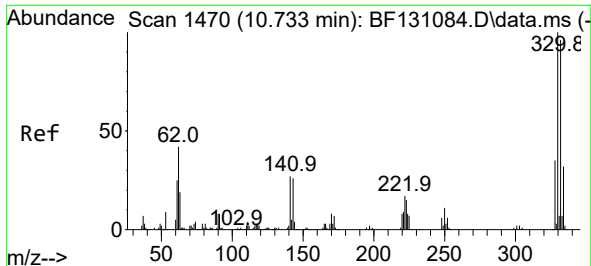
Tgt Ion: 82 Resp: 163106
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

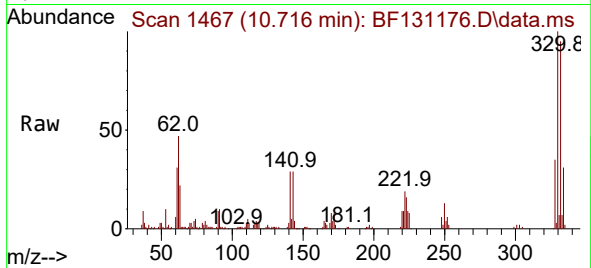
Tgt Ion:164 Resp: 112142
Ion Ratio Lower Upper
164 100
162 103.5 81.7 122.5
160 45.7 37.4 56.2



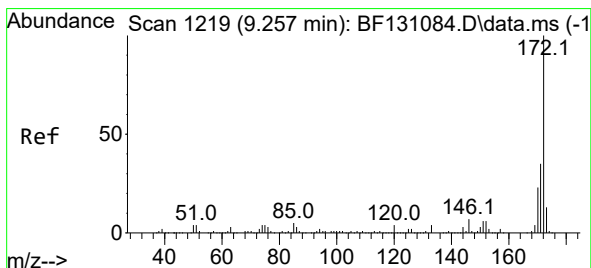
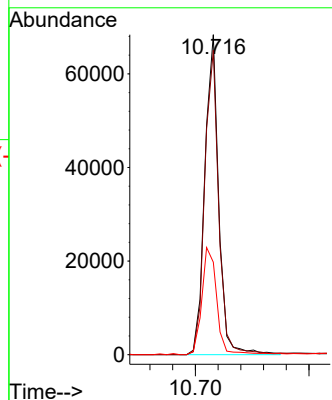
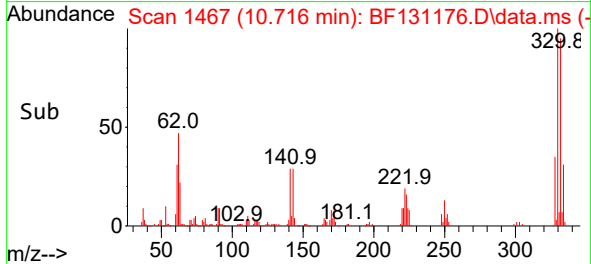


#42
2,4,6-Tribromophenol
Concen: 50.160 ng
RT: 10.716 min Scan# 1470
Delta R.T. 0.006 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

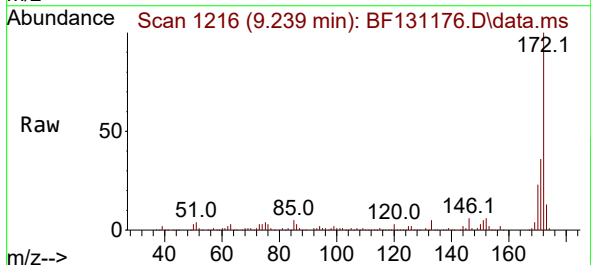
Instrument :
BNA_F
ClientSampleId :
AU-06-110722



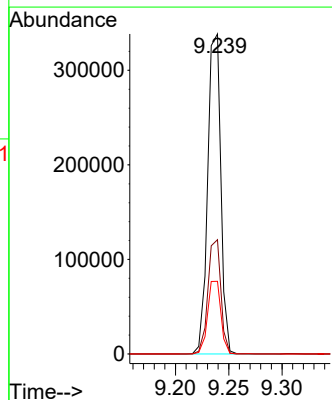
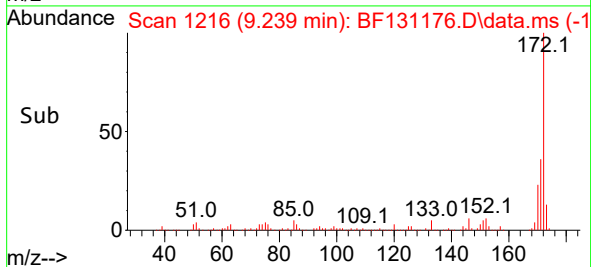
Tgt Ion:330 Resp: 58133
Ion Ratio Lower Upper
330 100
332 95.4 77.0 115.4
141 36.3 28.5 42.7

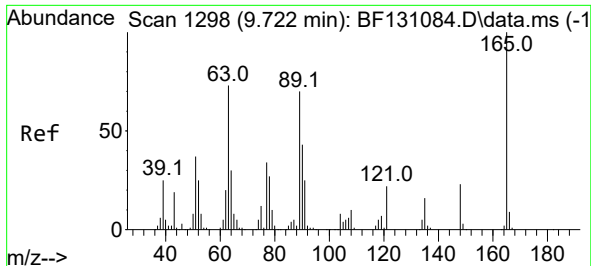


#45
2-Fluorobiphenyl
Concen: 36.318 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.000 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41



Tgt Ion:172 Resp: 291750
Ion Ratio Lower Upper
172 100
171 35.7 27.7 41.5
170 22.7 18.8 28.2

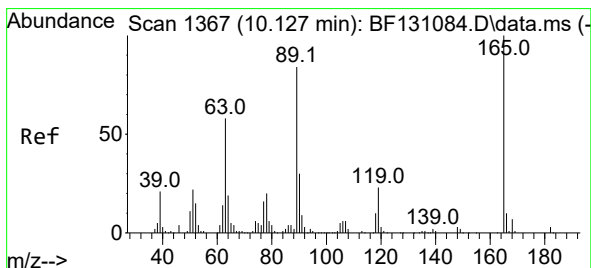
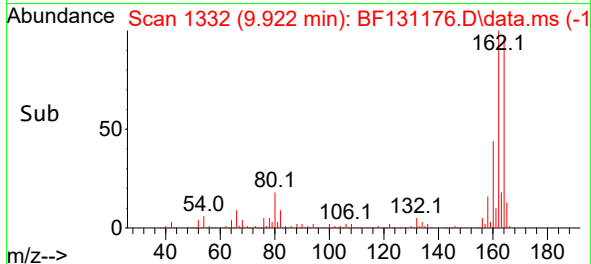
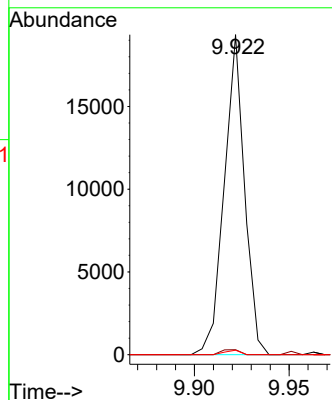
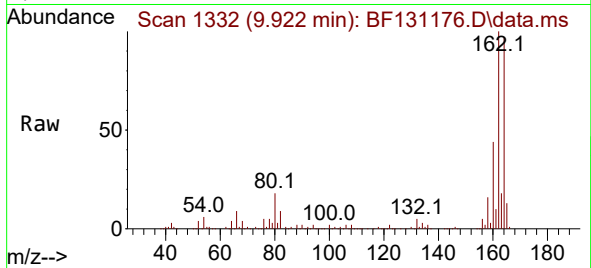




#51
2,6-Dinitrotoluene
Concen: 8.235 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.218 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

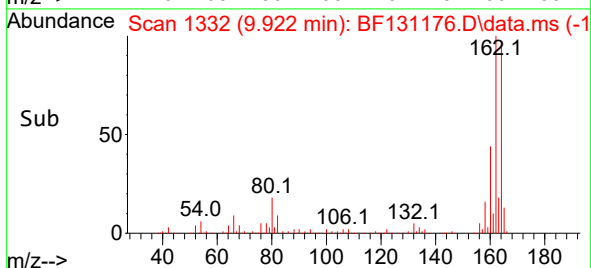
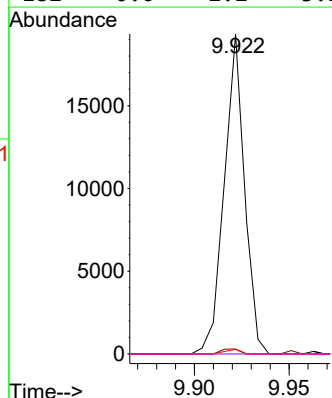
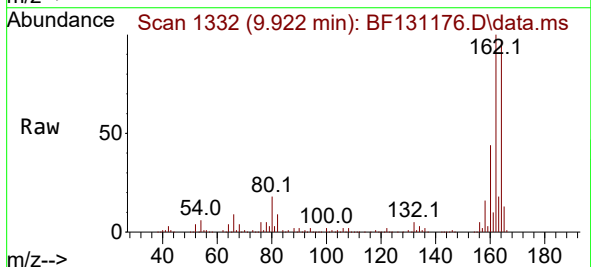
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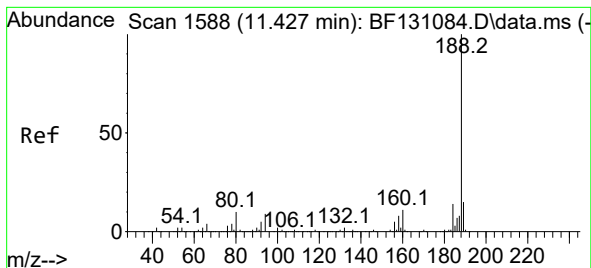
Tgt Ion:165 Resp: 14437
Ion Ratio Lower Upper
165 100
63 1.5 61.4 92.2#
89 1.4 56.0 84.0#



#57
2,4-Dinitrotoluene
Concen: 6.195 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.188 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

Tgt Ion:165 Resp: 14437
Ion Ratio Lower Upper
165 100
63 1.5 46.9 70.3#
89 1.4 66.9 100.3#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF131176.D

Acq: 12 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

AU-06-110722

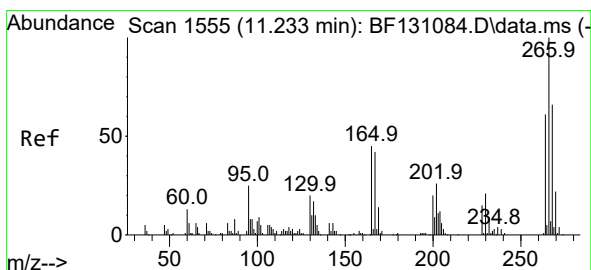
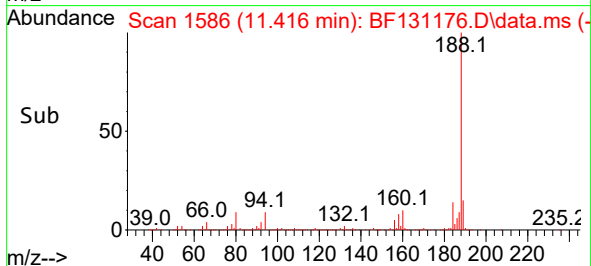
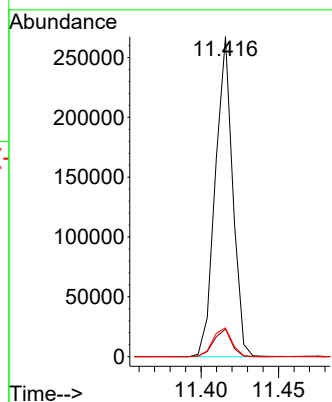
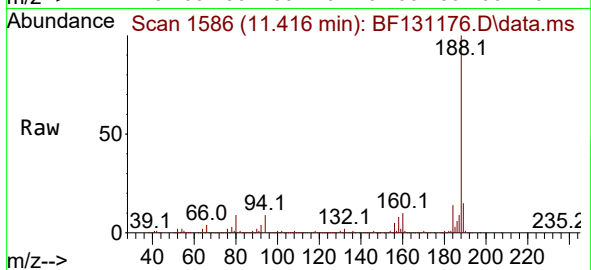
Tgt Ion:188 Resp: 208075

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

80 9.0 7.9 11.9



#70

Pentachlorophenol

Concen: 5.571 ng

RT: 11.457 min Scan# 1593

Delta R.T. 0.241 min

Lab File: BF131176.D

Acq: 12 Nov 2022 03:41

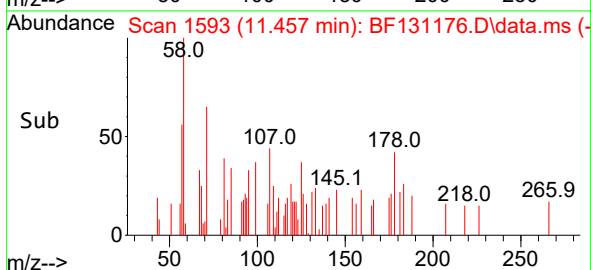
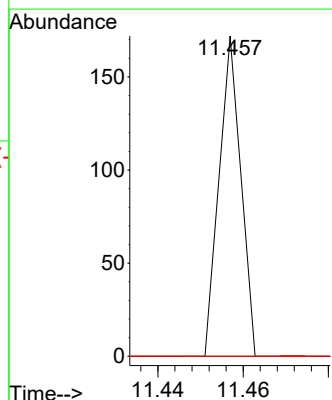
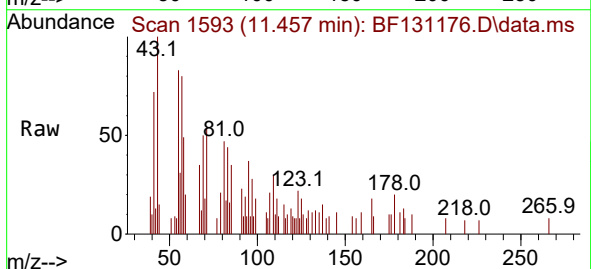
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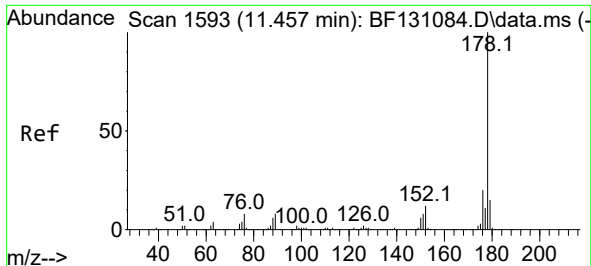
Ion Ratio Lower Upper

266 100

268 0.0 52.5 78.7#

264 0.0 48.6 72.8#

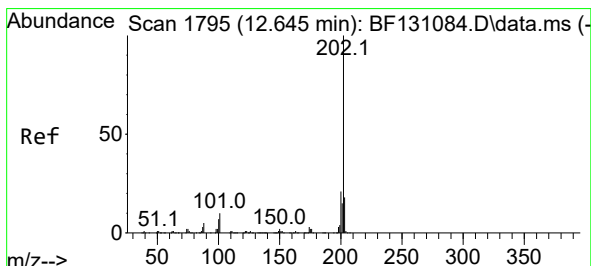
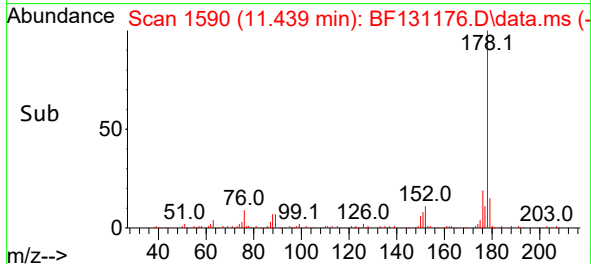
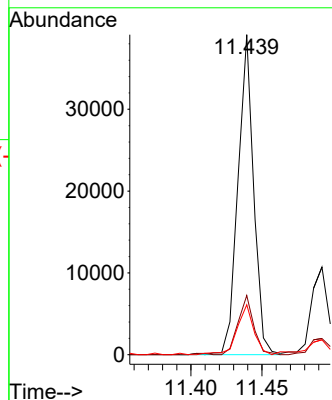
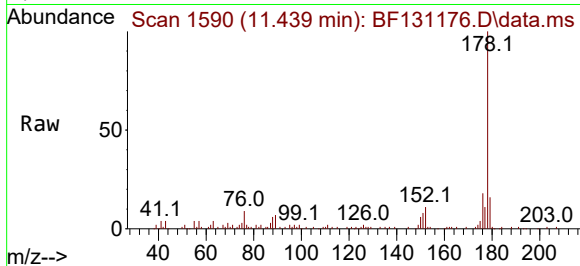




#71
Phenanthrene
Concen: 2.628 ng
RT: 11.439 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

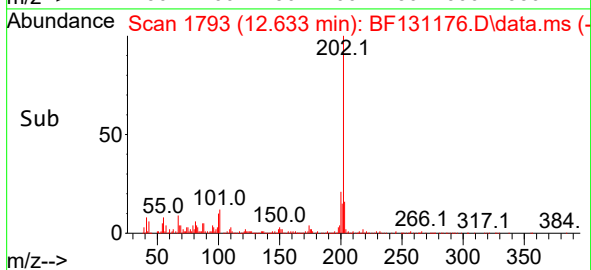
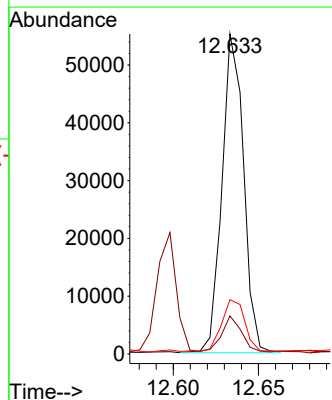
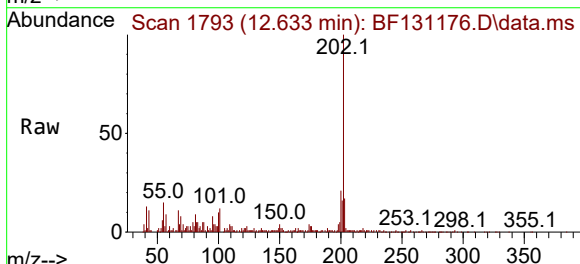
Instrument :
BNA_F
ClientSampleId :
AU-06-110722

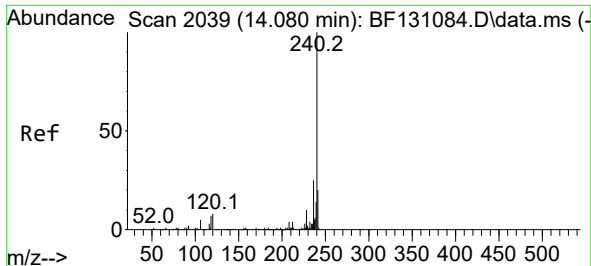
Tgt Ion:178 Resp: 30079
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.6 12.2 18.2



#75
Fluoranthene
Concen: 4.247 ng
RT: 12.633 min Scan# 1793
Delta R.T. 0.006 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

Tgt Ion:202 Resp: 48654
Ion Ratio Lower Upper
202 100
101 11.9 0.0 30.0
203 17.0 0.0 37.7

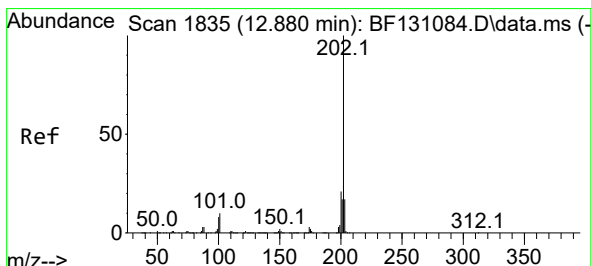
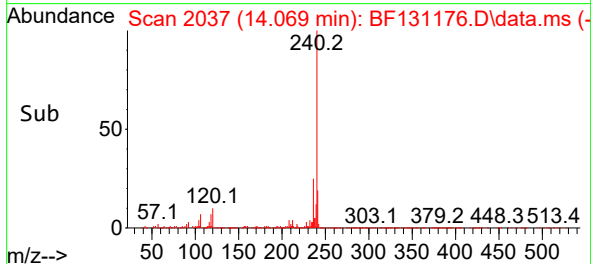
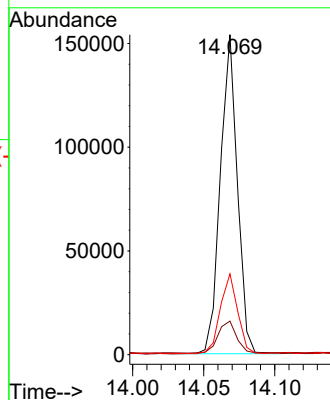
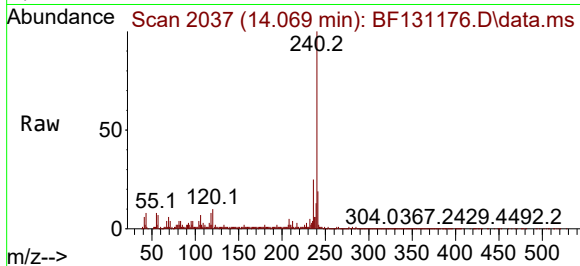




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2037
Delta R.T. 0.012 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

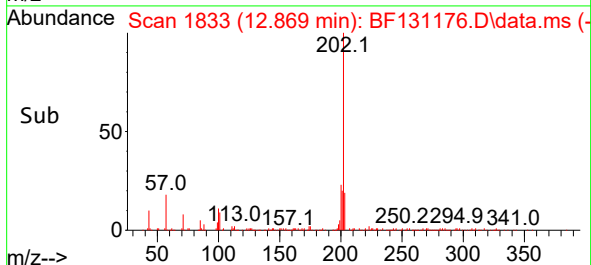
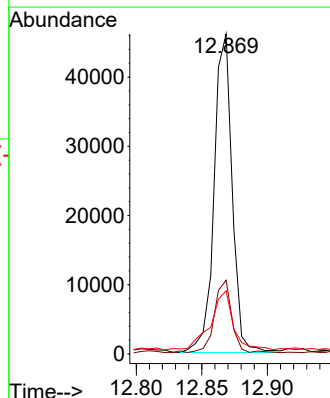
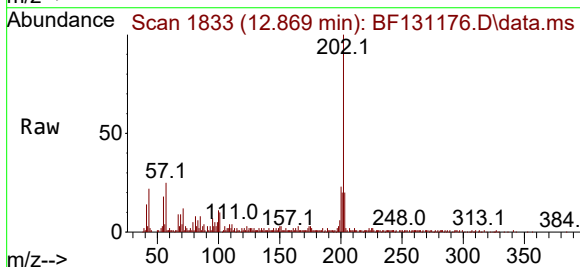
Instrument :
BNA_F
ClientSampleId :
AU-06-110722

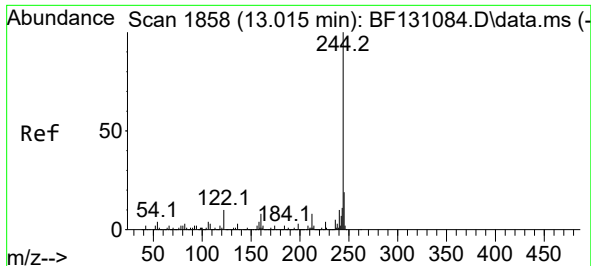
Tgt Ion:240 Resp: 127794
Ion Ratio Lower Upper
240 100
120 10.5 6.5 9.7#
236 25.2 19.7 29.5



#78
Pyrene
Concen: 4.033 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.012 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

Tgt Ion:202 Resp: 44215
Ion Ratio Lower Upper
202 100
200 23.1 16.8 25.2
203 19.8 13.6 20.4

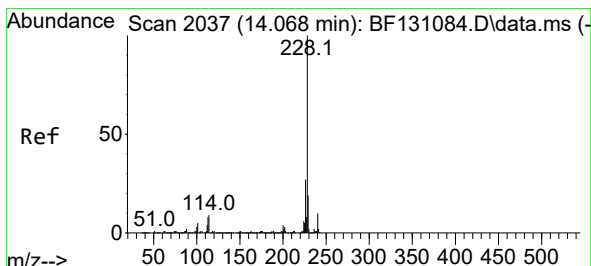
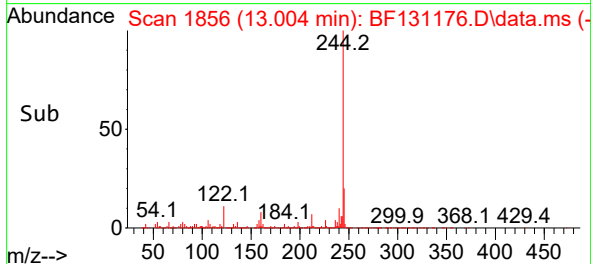
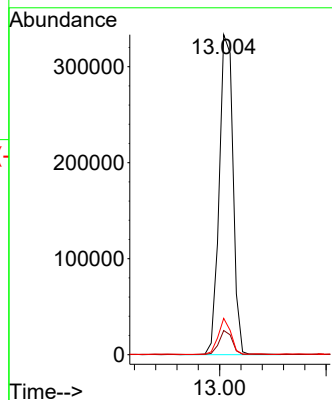
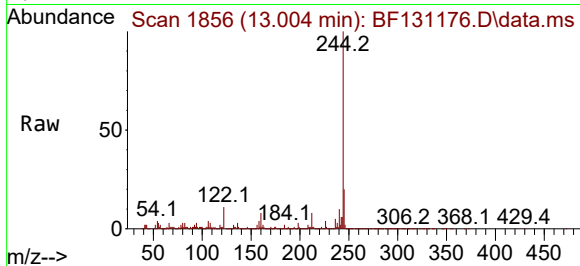




#79
 Terphenyl-d14
 Concen: 40.945 ng
 RT: 13.004 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF131176.D
 Acq: 12 Nov 2022 03:41

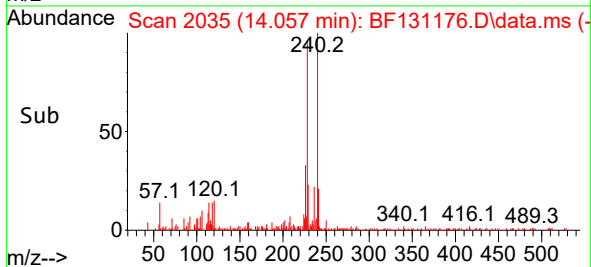
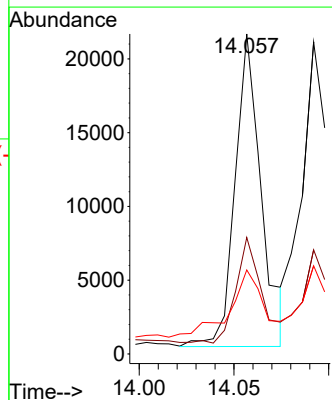
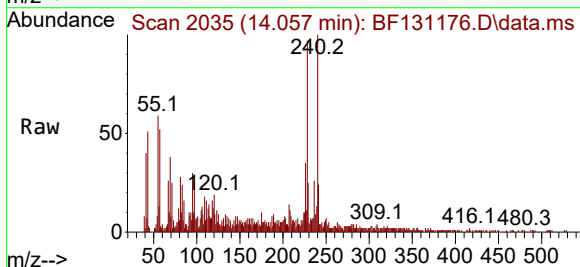
Instrument :
 BNA_F
 ClientSampleId :
 AU-06-110722

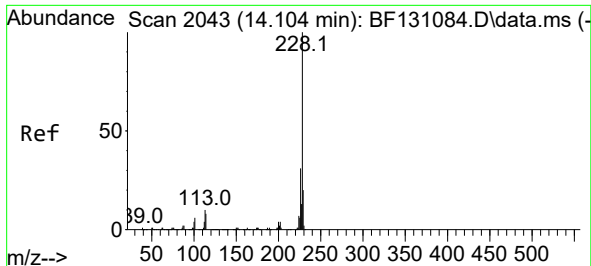
Tgt Ion:244 Resp: 298434
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 11.4 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 2.229 ng
 RT: 14.057 min Scan# 2035
 Delta R.T. 0.012 min
 Lab File: BF131176.D
 Acq: 12 Nov 2022 03:41

Tgt Ion:228 Resp: 20364
 Ion Ratio Lower Upper
 228 100
 226 36.4 21.8 32.6#
 229 26.2 15.4 23.2#

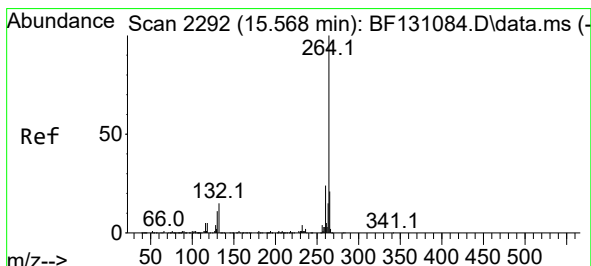
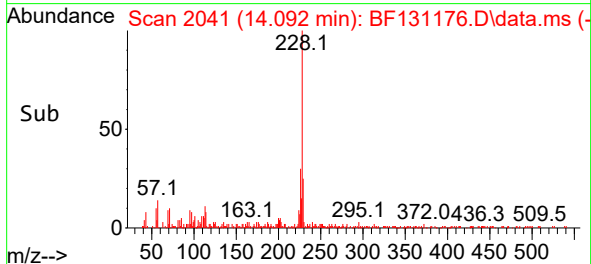
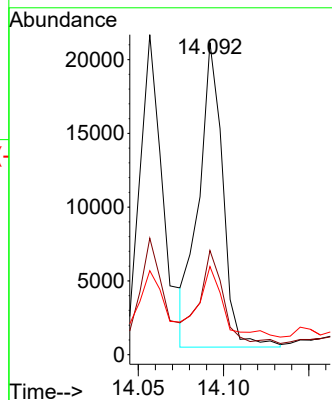
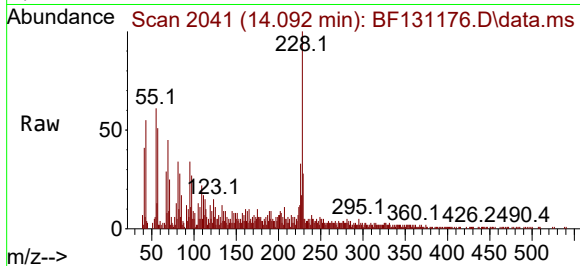




#83
Chrysene
Concen: 2.338 ng
RT: 14.092 min Scan# 2043
Delta R.T. 0.006 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

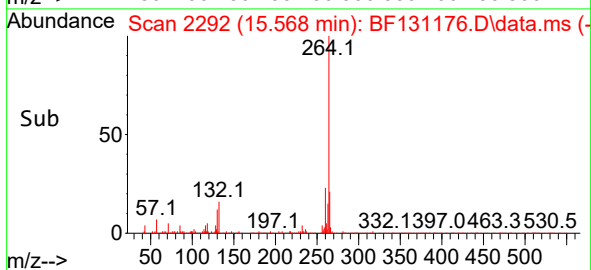
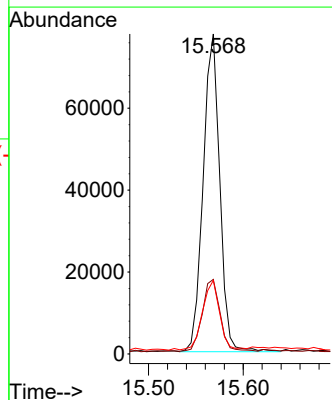
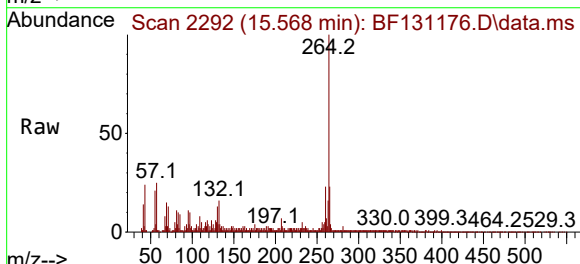
Instrument :
BNA_F
ClientSampleId :
AU-06-110722

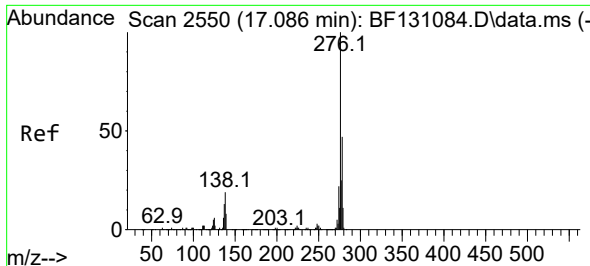
Tgt Ion:228 Resp: 20170
Ion Ratio Lower Upper
228 100
226 33.4 24.4 36.6
229 28.2 15.8 23.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.023 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

Tgt Ion:264 Resp: 94691
Ion Ratio Lower Upper
264 100
260 23.3 19.1 28.7
265 23.0 16.7 25.1

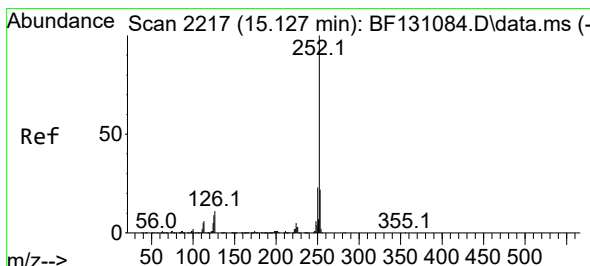
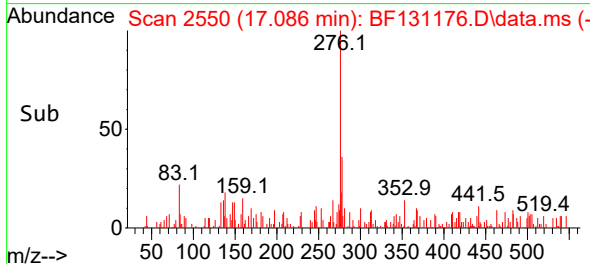
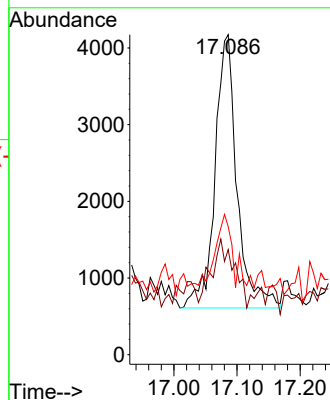
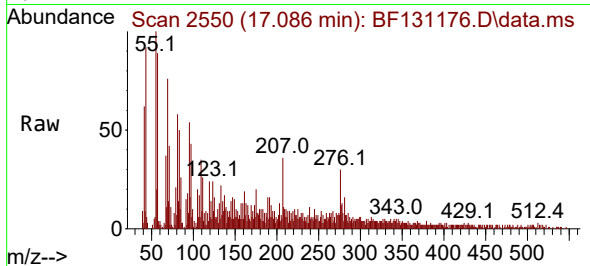




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.888 ng
RT: 17.086 min Scan# 211
Delta R.T. 0.029 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

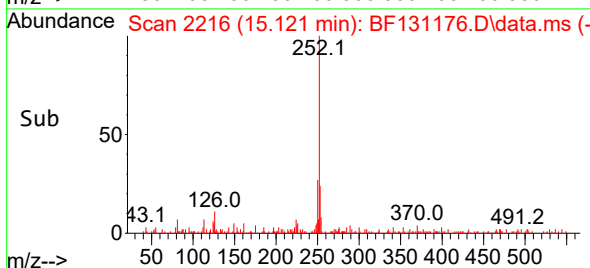
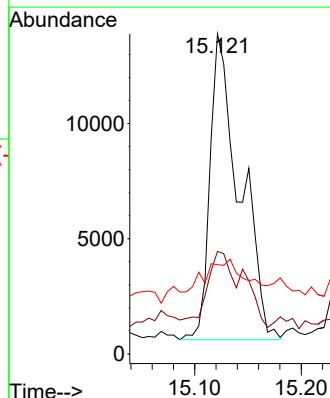
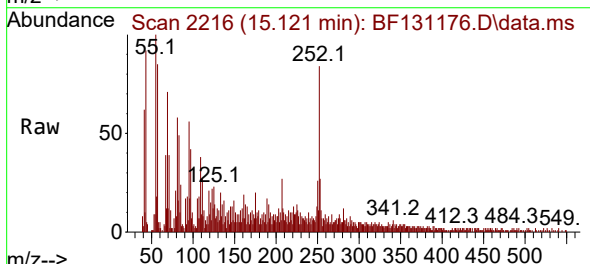
Instrument :
BNA_F
ClientSampleId :
AU-06-110722

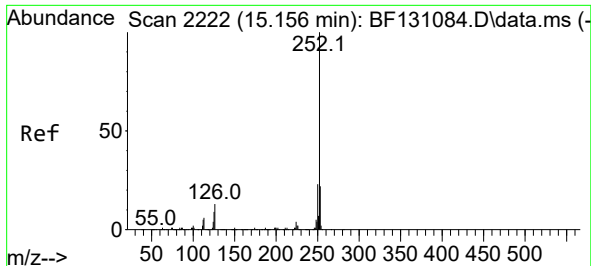
Tgt Ion:	276	Resp:	8625
Ion Ratio	Lower	Upper	
276	100		
138	22.7	16.9	25.3
277	24.1	20.3	30.5



#88
Benzo(b)fluoranthene
Concen: 3.850 ng
RT: 15.121 min Scan# 2216
Delta R.T. 0.018 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

Tgt Ion:	252	Resp:	25773
Ion Ratio	Lower	Upper	
252	100		
253	32.0	17.3	25.9#
125	27.9	7.2	10.8#

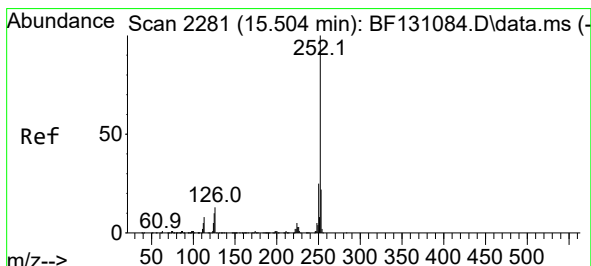
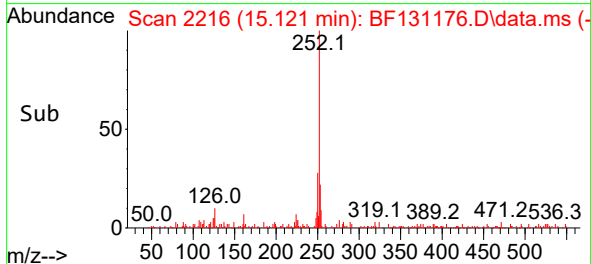
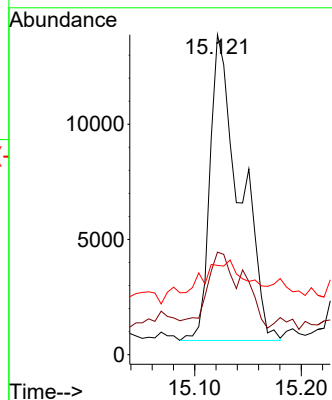
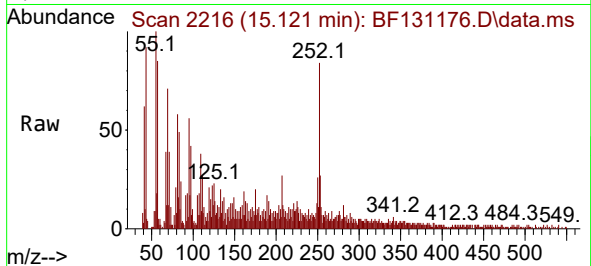




#89
Benzo(k)fluoranthene
Concen: 4.005 ng
RT: 15.121 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

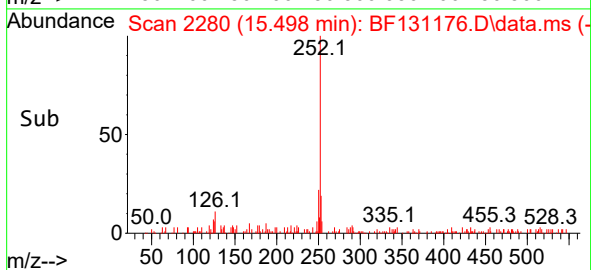
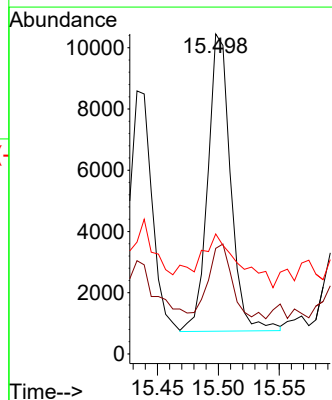
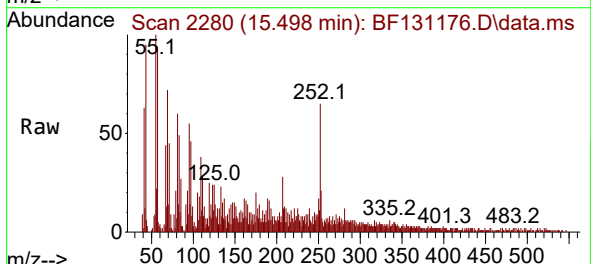
Instrument :
BNA_F
ClientSampleId :
AU-06-110722

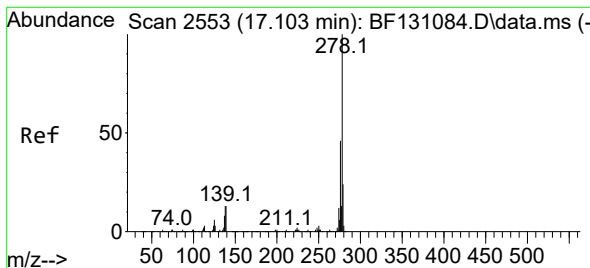
Tgt Ion:252 Resp: 25773
Ion Ratio Lower Upper
252 100
253 32.0 17.6 26.4#
125 27.9 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 2.362 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.018 min
Lab File: BF131176.D
Acq: 12 Nov 2022 03:41

Tgt Ion:252 Resp: 12679
Ion Ratio Lower Upper
252 100
253 33.0 17.8 26.8#
125 37.5 8.1 12.1#





#91

Dibenzo(a,h)anthracene

Concen: 4.254 ng

RT: 17.086 min Scan# 2550

Delta R.T. 0.012 min

Lab File: BF131176.D

Acq: 12 Nov 2022 03:41

Instrument :

BNA_F

ClientSampleId :

AU-06-110722

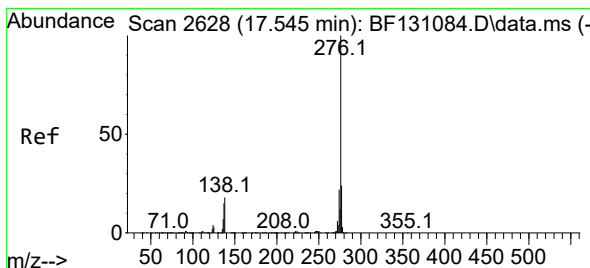
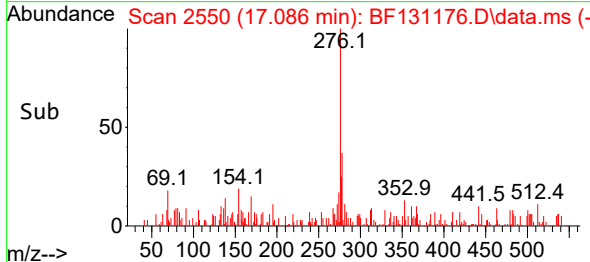
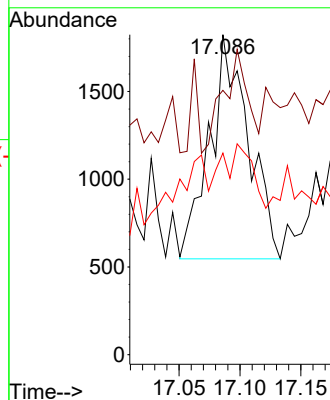
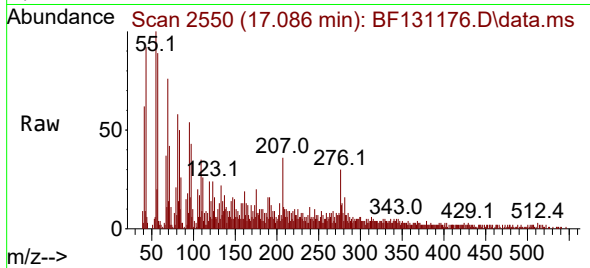
Tgt Ion:278 Resp: 2829

Ion Ratio Lower Upper

278 100

139 82.6 10.8 16.2#

279 63.0 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 5.418 ng

RT: 17.545 min Scan# 2628

Delta R.T. 0.029 min

Lab File: BF131176.D

Acq: 12 Nov 2022 03:41

Tgt Ion:276 Resp: 7711

Ion Ratio Lower Upper

276 100

277 39.9 19.0 28.4#

138 33.2 14.6 21.8#

