

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131150.D
 Acq On : 11 Nov 2022 12:26
 Operator : CG\JU
 Sample : N5518-03DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-110822DL

Quant Time: Nov 11 14:41:51 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

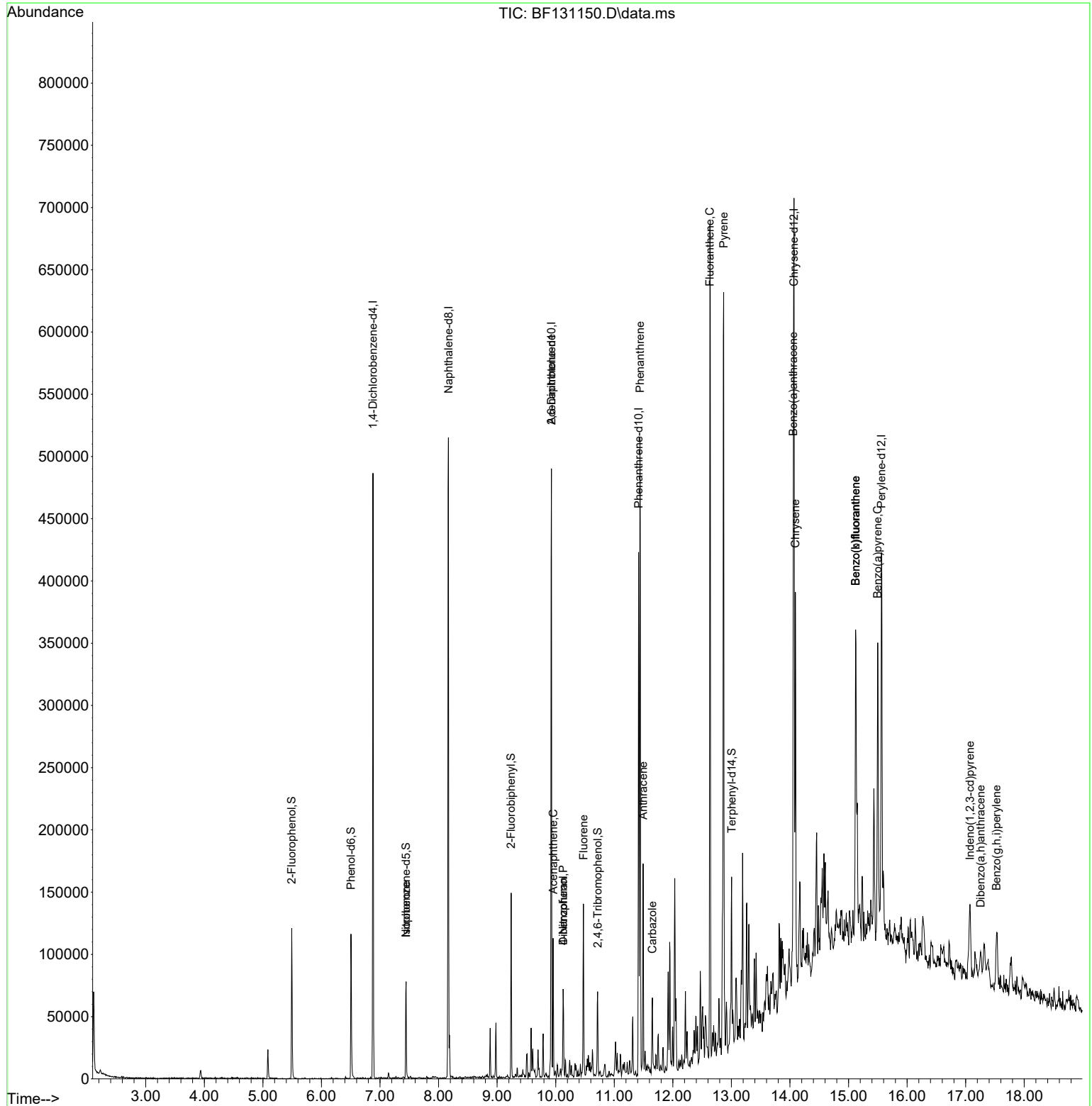
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	59003	20.000	ng	-0.01
21) Naphthalene-d8	8.169	136	208676	20.000	ng	-0.01
39) Acenaphthene-d10	9.928	164	93402	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	136688	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	163100	20.000	ng	#-0.01
86) Perylene-d12	15.563	264	136168	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	27087	7.807	ng	-0.01
7) Phenol-d6	6.504	99	33760	7.443	ng	-0.02
23) Nitrobenzene-d5	7.445	82	21829	4.720	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	5069	5.251	ng	-0.02
45) 2-Fluorobiphenyl	9.239	172	35938	5.371	ng	-0.02
79) Terphenyl-d14	13.004	244	38508	4.140	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.445	82	21829	3.052	ng	# 68
51) 2,6-Dinitrotoluene	9.928	165	12264	8.399	ng	# 15
52) Acenaphthene	9.957	154	19337	3.620	ng	96
55) Dibenzofuran	10.128	168	19984	2.526	ng	98
56) 4-Nitrophenol	10.128	139	8553	7.698	ng	# 1
58) Fluorene	10.475	166	32659	5.083	ng	94
71) Phenanthrene	11.439	178	182212	24.238	ng	99
72) Anthracene	11.492	178	53606	7.347	ng	99
73) Carbazole	11.651	167	22208	3.423	ng	97
75) Fluoranthene	12.633	202	266393	35.400	ng	99
78) Pyrene	12.869	202	255983	18.293	ng	99
81) Benzo(a)anthracene	14.057	228	135873	11.655	ng	97
83) Chrysene	14.092	228	115902	10.527	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	39103	7.092	ng	97
88) Benzo(b)fluoranthene	15.121	252	169049	17.560	ng	96
89) Benzo(k)fluoranthene	15.121	252	169049	18.269	ng	97
90) Benzo(a)pyrene	15.498	252	97449	12.626	ng	98
91) Dibenzo(a,h)anthracene	17.257	278	10225	4.881	ng	94
92) Benzo(g,h,i)perylene	17.527	276	38155	7.988	ng	99

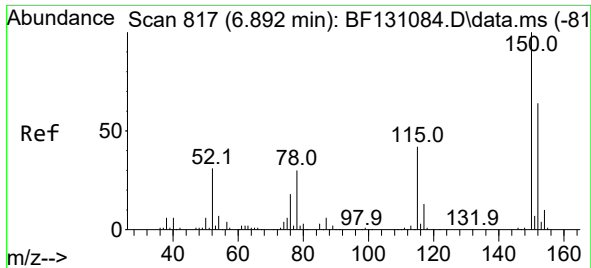
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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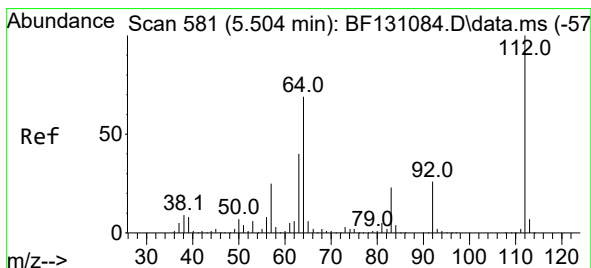
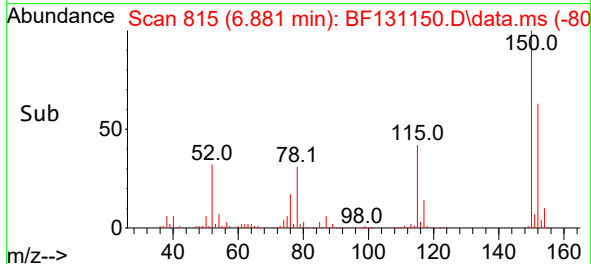
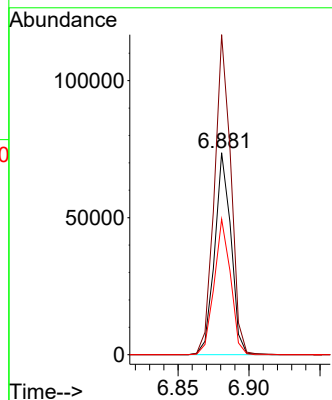
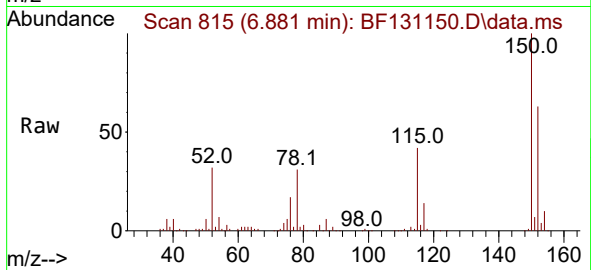




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.011 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

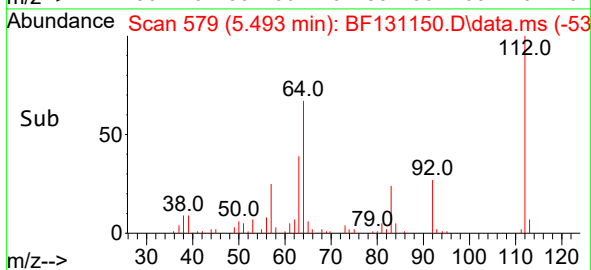
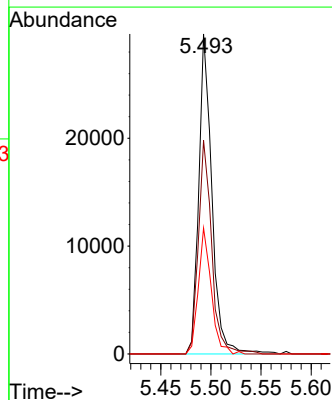
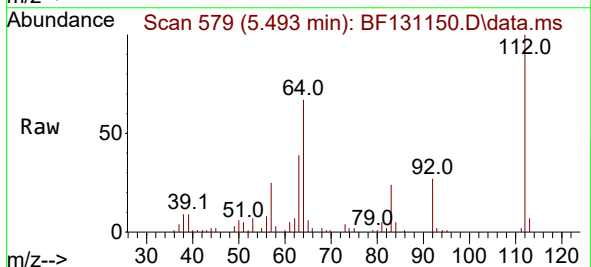
Instrument :
BNA_F
ClientSampleId :
PAT-03-110822DL

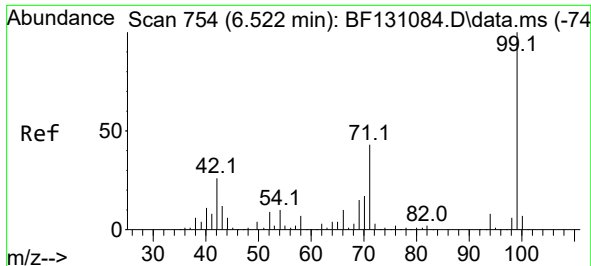
Tgt Ion:152 Resp: 59003
Ion Ratio Lower Upper
152 100
150 158.4 125.5 188.3
115 67.1 52.2 78.2



#5
2-Fluorophenol
Concen: 7.807 ng
RT: 5.493 min Scan# 579
Delta R.T. -0.011 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

Tgt Ion:112 Resp: 27087
Ion Ratio Lower Upper
112 100
64 66.7 55.1 82.7
63 39.3 32.4 48.6

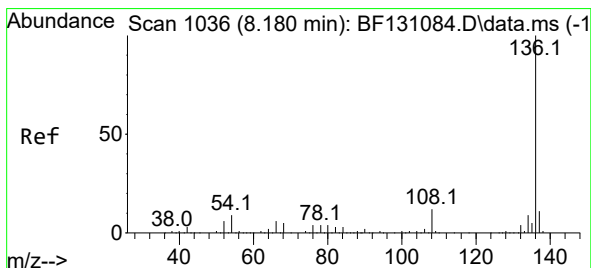
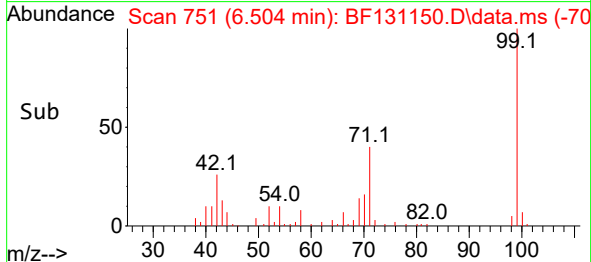
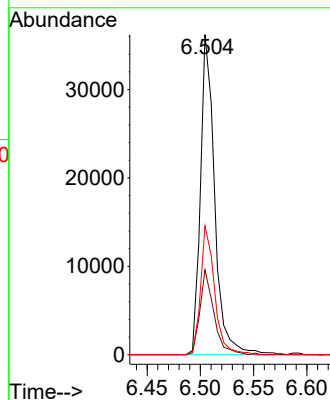
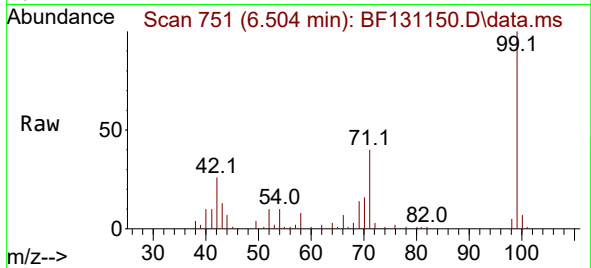




#7
Phenol-d6
Concen: 7.443 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

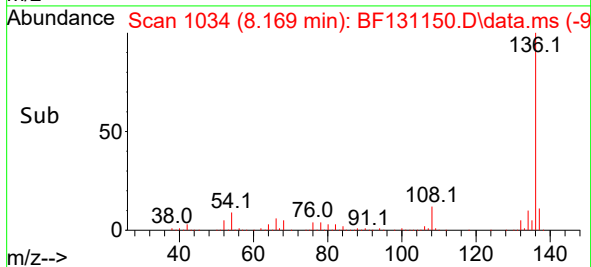
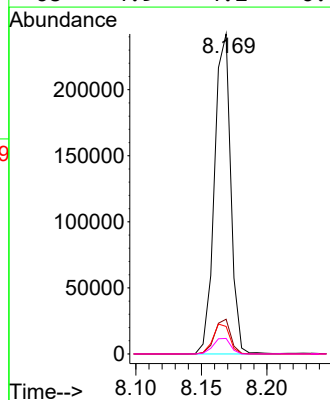
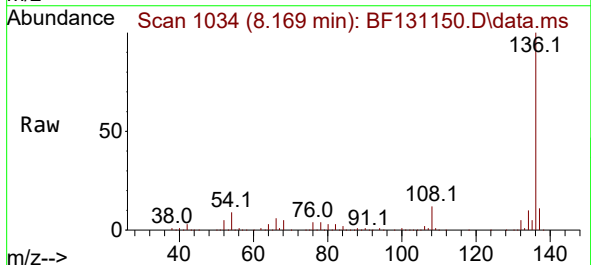
Instrument :
BNA_F
ClientSampleId :
PAT-03-110822DL

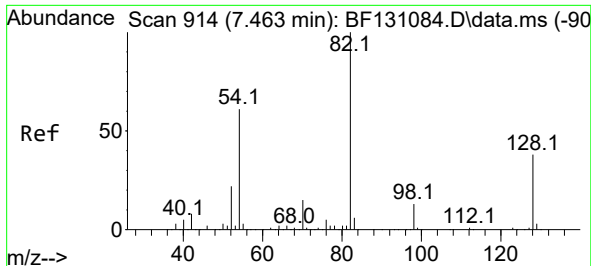
Tgt Ion: 99 Resp: 33760
Ion Ratio Lower Upper
99 100
42 26.5 20.8 31.2
71 40.3 34.2 51.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.011 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

Tgt Ion: 136 Resp: 208676
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 8.6 7.2 10.8
68 4.9 4.2 6.4

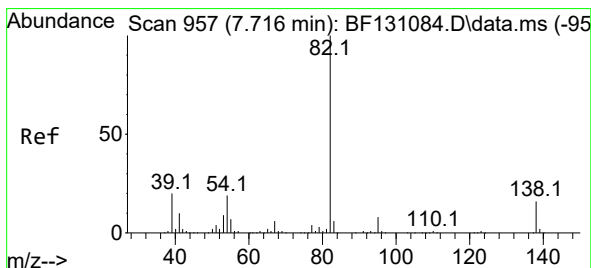
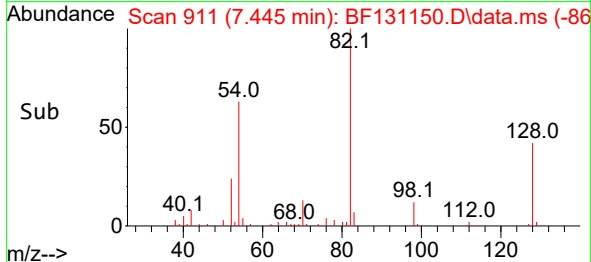
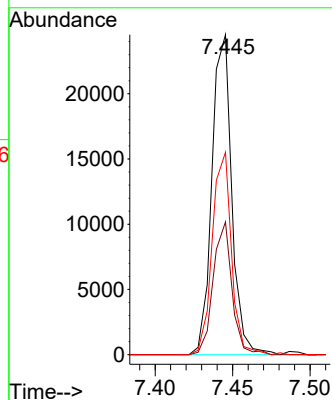
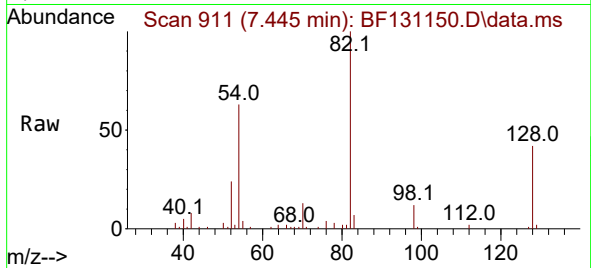




#23
Nitrobenzene-d5
Concen: 4.720 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.017 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

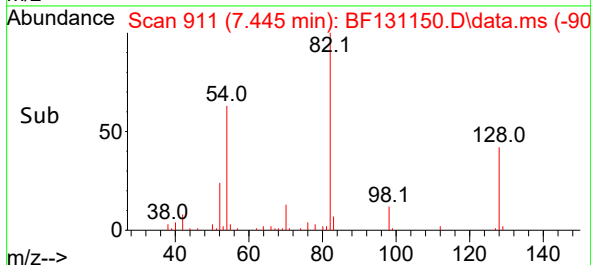
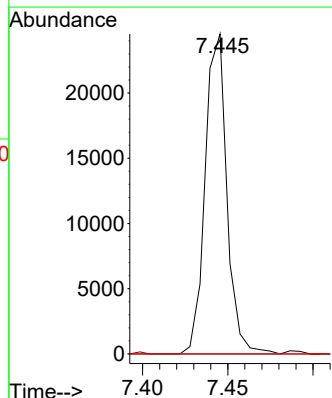
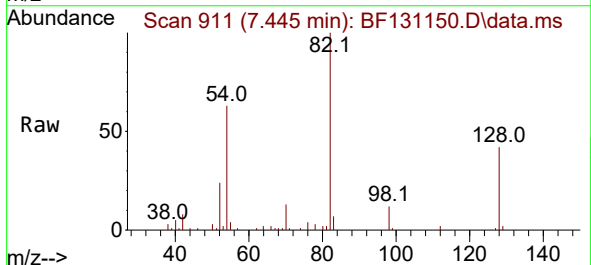
Instrument :
BNA_F
ClientSampleId :
PAT-03-110822DL

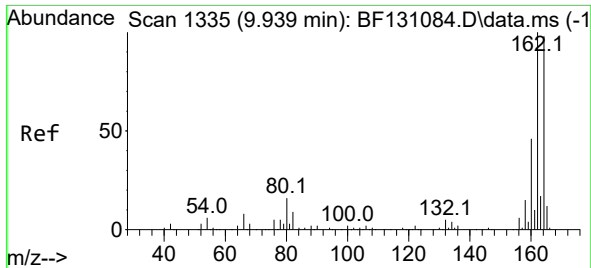
Tgt Ion: 82 Resp: 21829
Ion Ratio Lower Upper
82 100
128 41.5 30.5 45.7
54 63.3 49.1 73.7



#25
Isophorone
Concen: 3.052 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.270 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

Tgt Ion: 82 Resp: 21829
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.5 18.7#

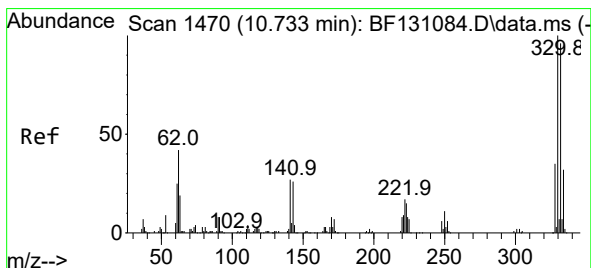
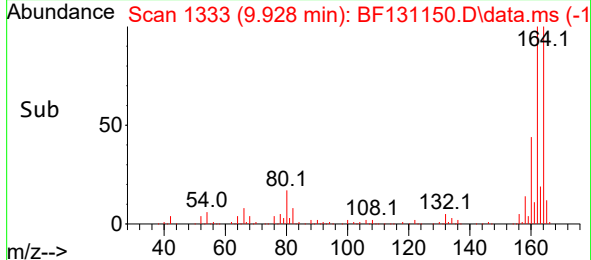
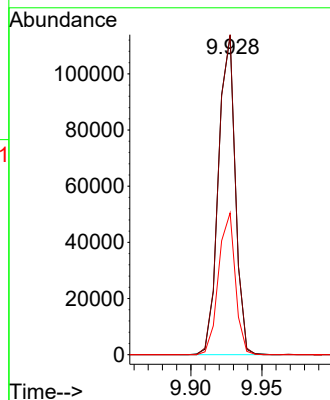
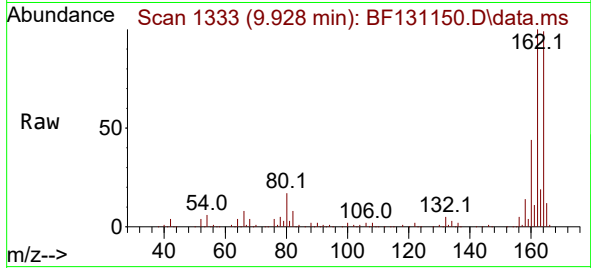




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

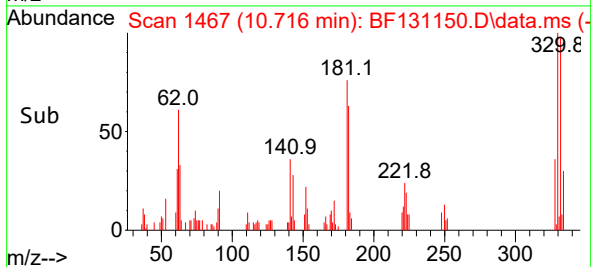
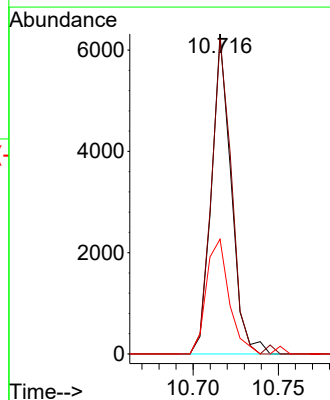
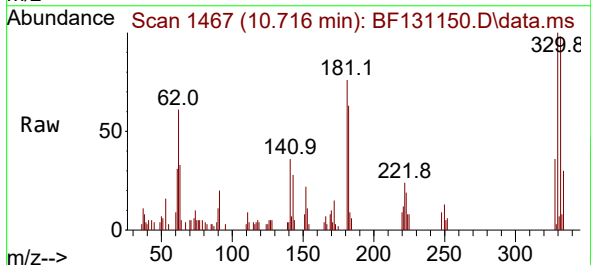
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ClientSampleId :
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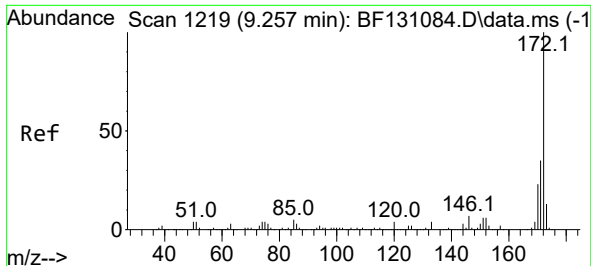
Tgt Ion:164 Resp: 93402
Ion Ratio Lower Upper
164 100
162 100.6 81.7 122.5
160 44.5 37.4 56.2



#42
2,4,6-Tribromophenol
Concen: 5.251 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.017 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

Tgt Ion:330 Resp: 5069
Ion Ratio Lower Upper
330 100
332 101.6 77.0 115.4
141 41.6 28.5 42.7





#45

2-Fluorobiphenyl

Concen: 5.371 ng

RT: 9.239 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF131150.D

Acq: 11 Nov 2022 12:26

Instrument :

BNA_F

ClientSampleId :

PAT-03-110822DL

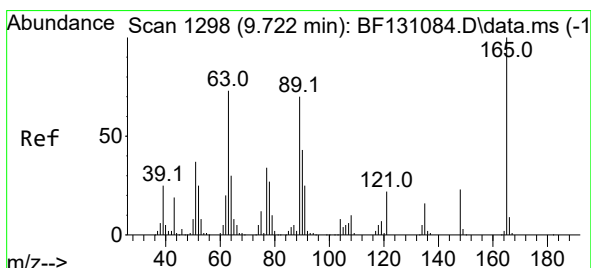
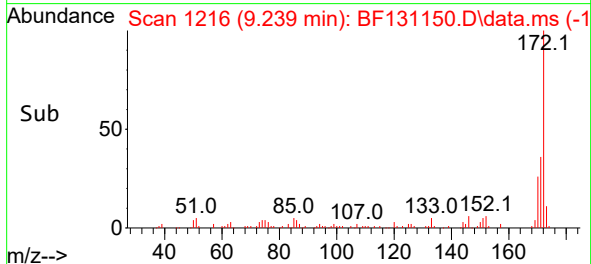
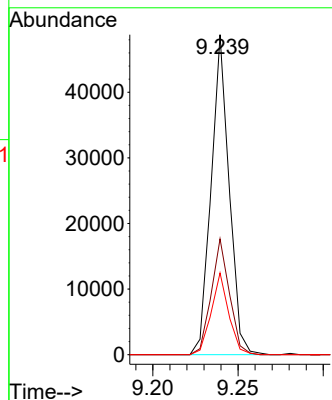
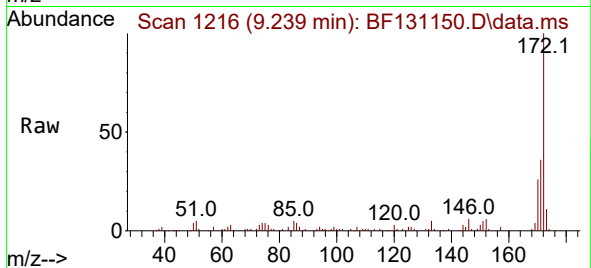
Tgt Ion:172 Resp: 35938

Ion Ratio Lower Upper

172 100

171 36.2 27.7 41.5

170 25.5 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 8.399 ng

RT: 9.928 min Scan# 1333

Delta R.T. 0.206 min

Lab File: BF131150.D

Acq: 11 Nov 2022 12:26

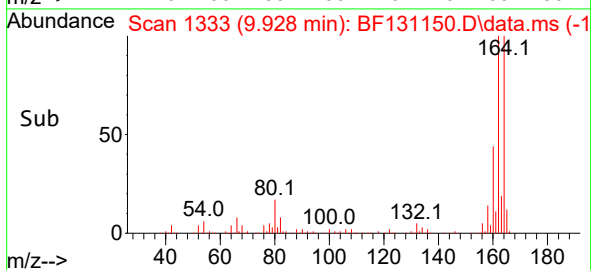
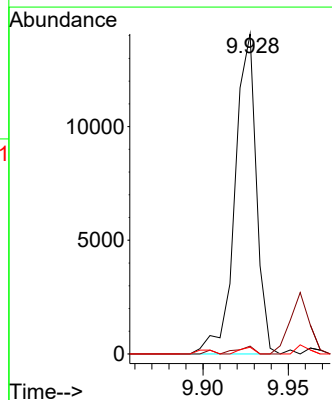
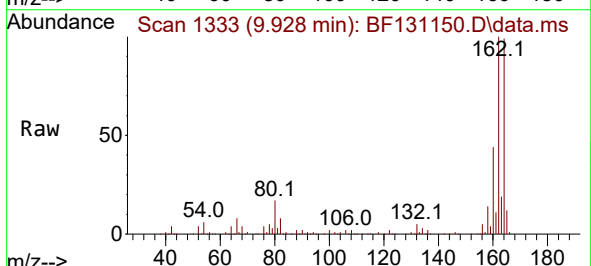
Tgt Ion:165 Resp: 12264

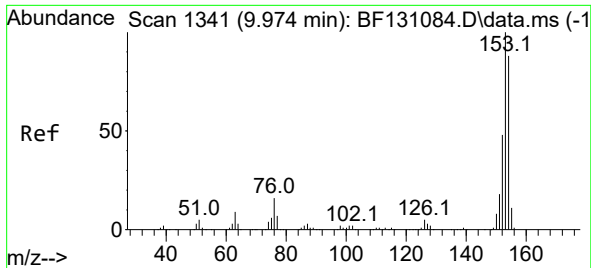
Ion Ratio Lower Upper

165 100

63 2.5 61.4 92.2#

89 2.1 56.0 84.0#

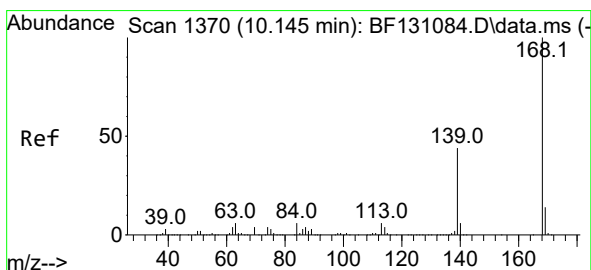
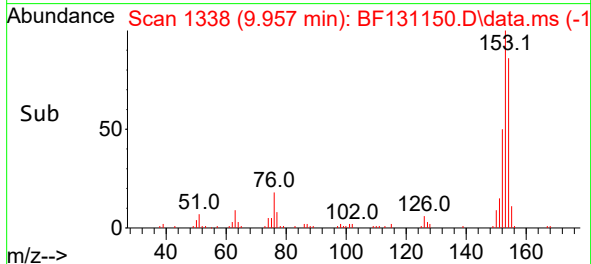
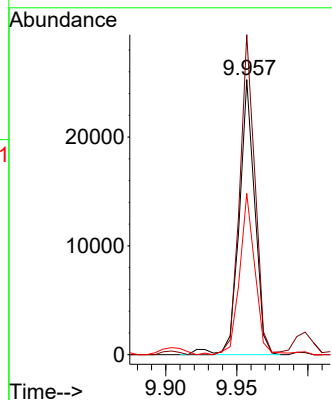
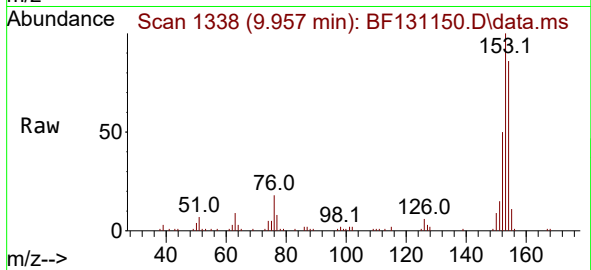




#52
Acenaphthene
Concen: 3.620 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

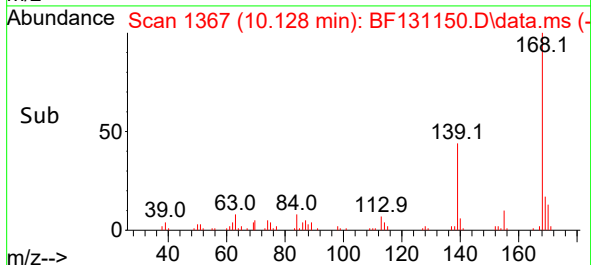
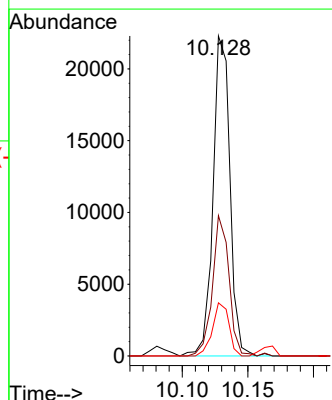
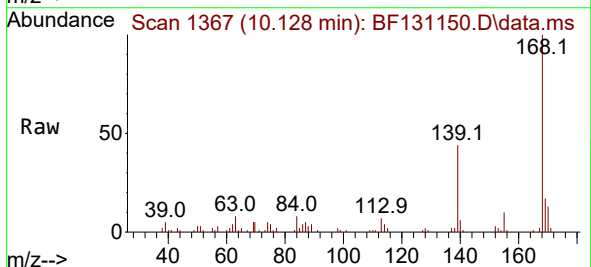
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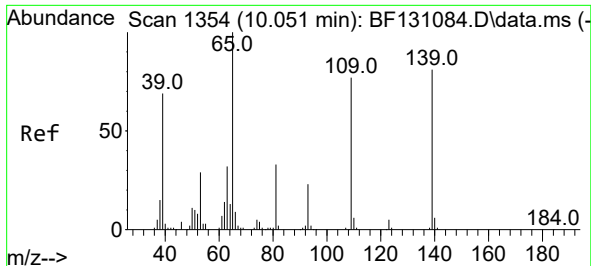
Tgt Ion:154 Resp: 19337
Ion Ratio Lower Upper
154 100
153 116.3 90.8 136.2
152 58.6 43.4 65.2



#55
Dibenzofuran
Concen: 2.526 ng
RT: 10.128 min Scan# 1367
Delta R.T. -0.017 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

Tgt Ion:168 Resp: 19984
Ion Ratio Lower Upper
168 100
139 43.9 35.0 52.4
169 16.6 11.2 16.8

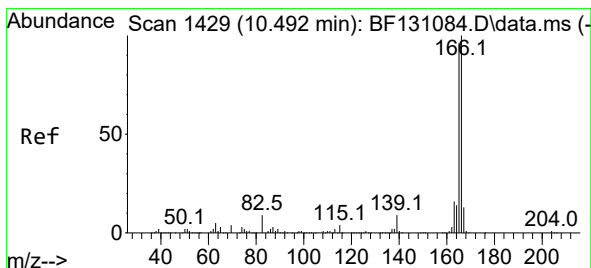
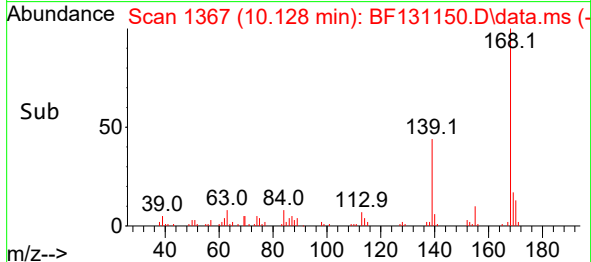
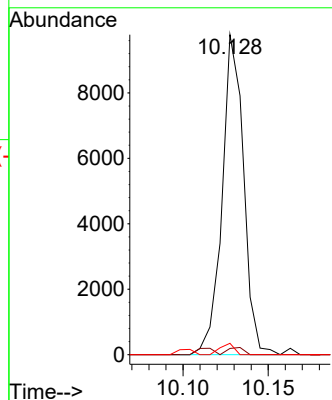
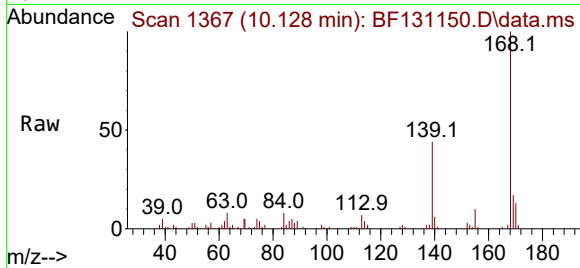




#56
4-Nitrophenol
Concen: 7.698 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.077 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

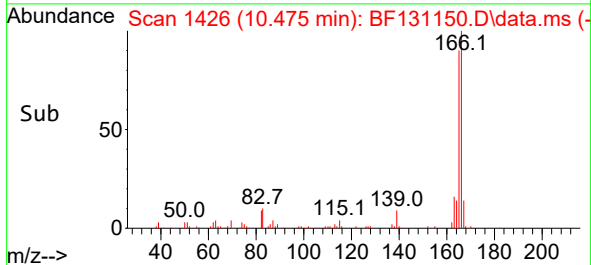
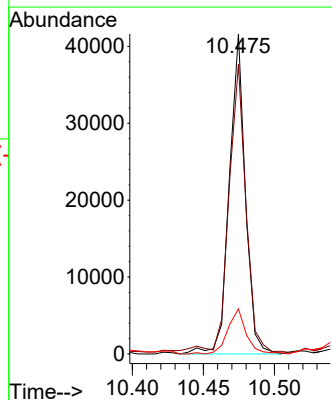
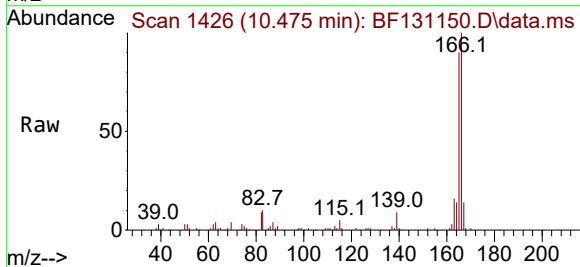
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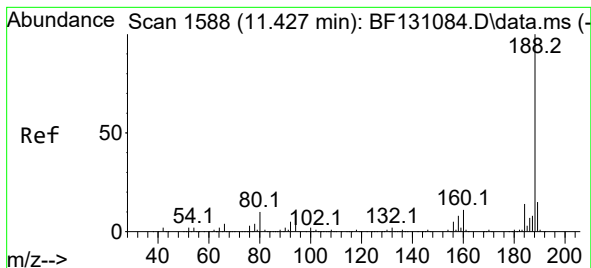
Tgt Ion:139 Resp: 8553
Ion Ratio Lower Upper
139 100
109 2.0 75.5 115.5#
65 3.5 104.5 144.5#



#58
Fluorene
Concen: 5.083 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

Tgt Ion:166 Resp: 32659
Ion Ratio Lower Upper
166 100
165 90.4 77.2 115.8
167 14.1 10.2 15.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.011 min

Lab File: BF131150.D

Acq: 11 Nov 2022 12:26

Instrument :

BNA_F

ClientSampleId :

PAT-03-110822DL

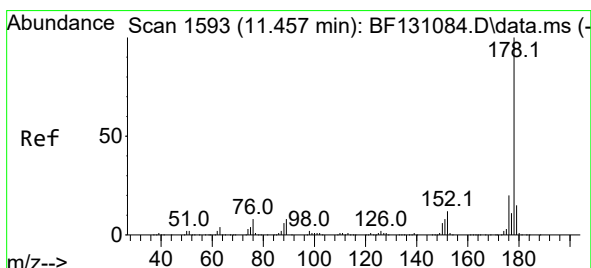
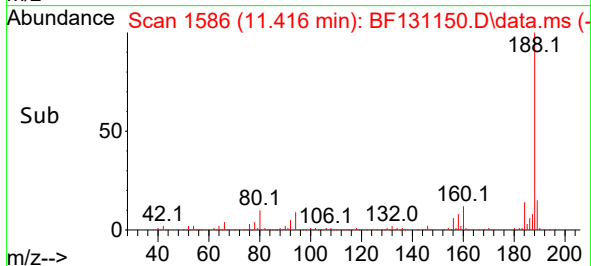
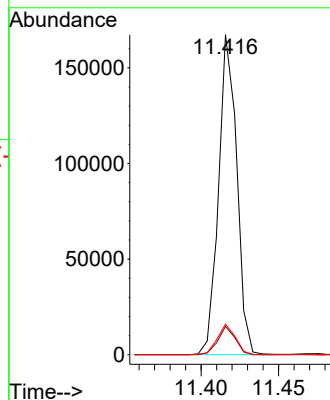
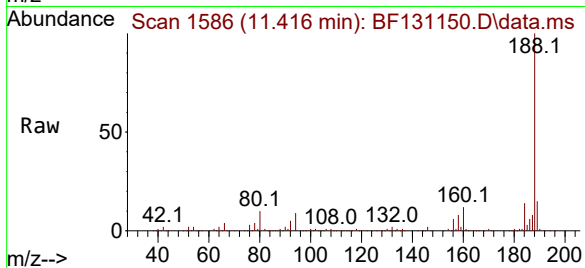
Tgt Ion:188 Resp: 136688

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.6

80 9.6 7.9 11.9



#71

Phenanthrene

Concen: 24.238 ng

RT: 11.439 min Scan# 1590

Delta R.T. -0.017 min

Lab File: BF131150.D

Acq: 11 Nov 2022 12:26

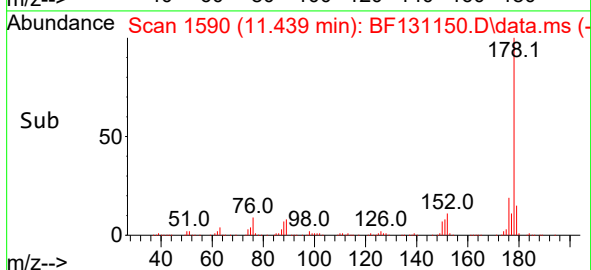
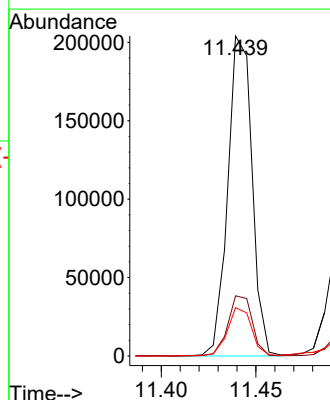
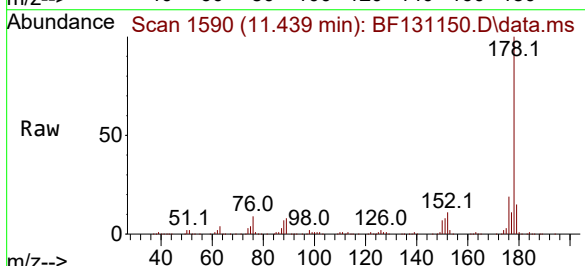
Tgt Ion:178 Resp: 182212

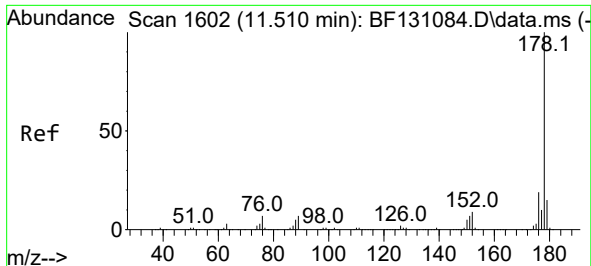
Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

179 15.1 12.2 18.2

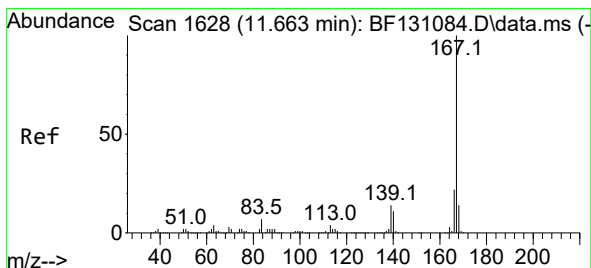
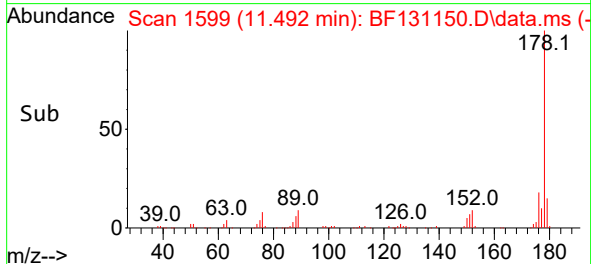
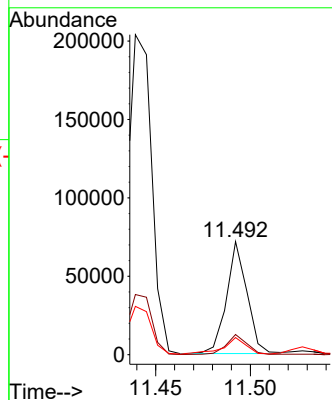
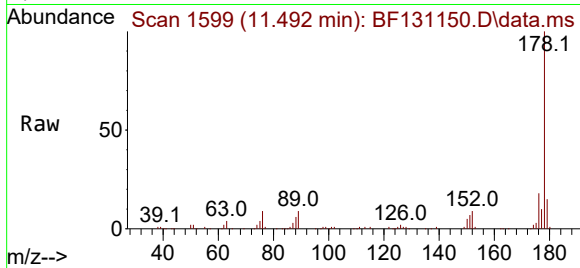




#72
 Anthracene
 Concen: 7.347 ng
 RT: 11.492 min Scan# 11
 Delta R.T. -0.017 min
 Lab File: BF131150.D
 Acq: 11 Nov 2022 12:26

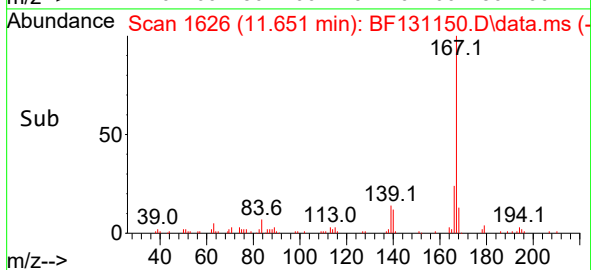
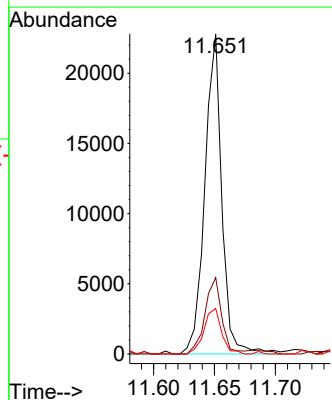
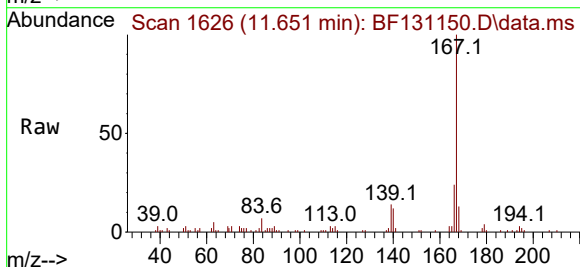
Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-110822DL

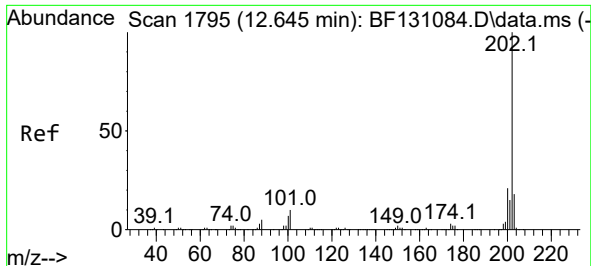
Tgt Ion:178 Resp: 53606
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.0 22.6
 179 15.1 11.8 17.8



#73
 Carbazole
 Concen: 3.423 ng
 RT: 11.651 min Scan# 1626
 Delta R.T. -0.012 min
 Lab File: BF131150.D
 Acq: 11 Nov 2022 12:26

Tgt Ion:167 Resp: 22208
 Ion Ratio Lower Upper
 167 100
 166 23.9 17.6 26.4
 139 14.2 10.8 16.2

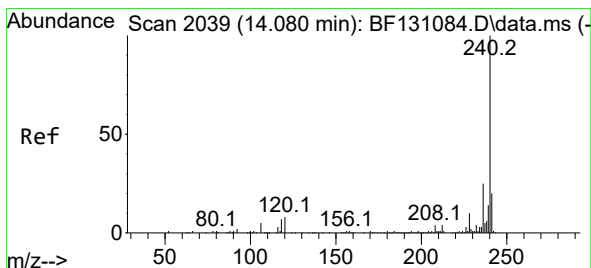
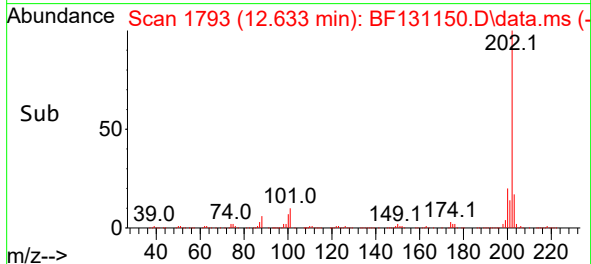
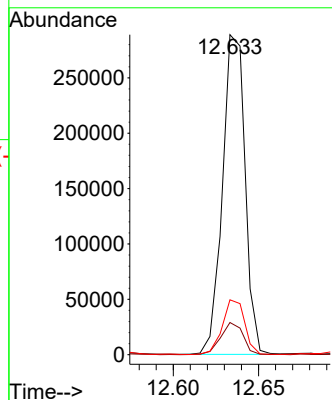
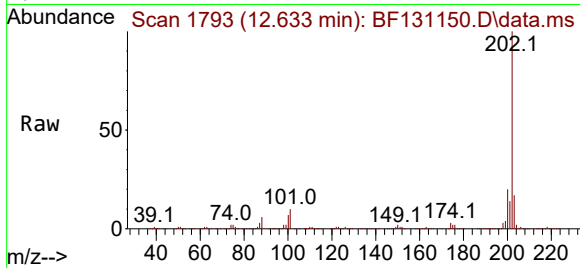




#75
Fluoranthene
Concen: 35.400 ng
RT: 12.633 min Scan# 1793
Delta R.T. -0.012 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

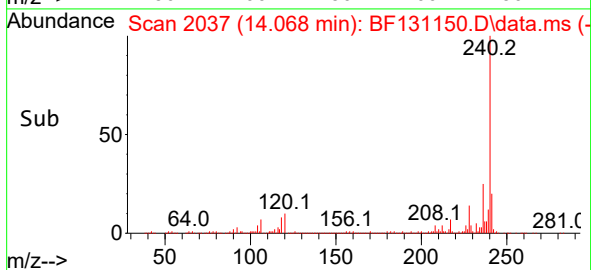
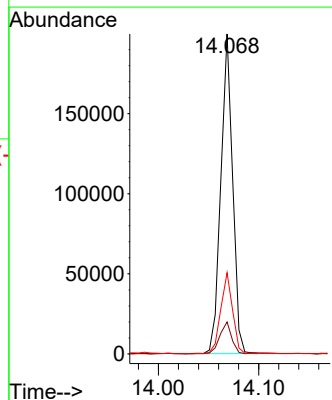
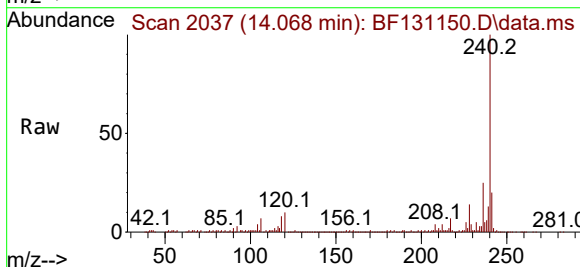
Instrument :
BNA_F
ClientSampleId :
PAT-03-110822DL

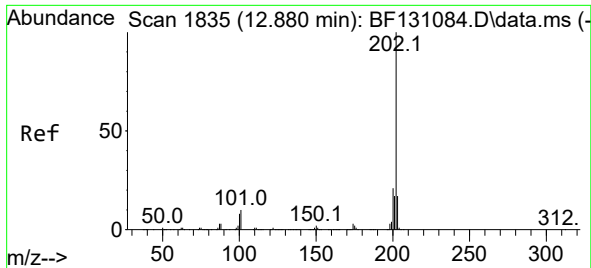
Tgt Ion:202 Resp: 266393
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.0
203 17.2 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

Tgt Ion:240 Resp: 163100
Ion Ratio Lower Upper
240 100
120 10.0 6.5 9.7#
236 25.4 19.7 29.5

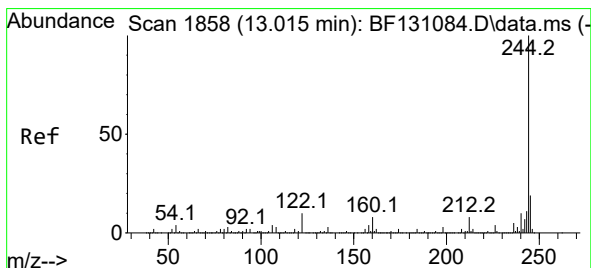
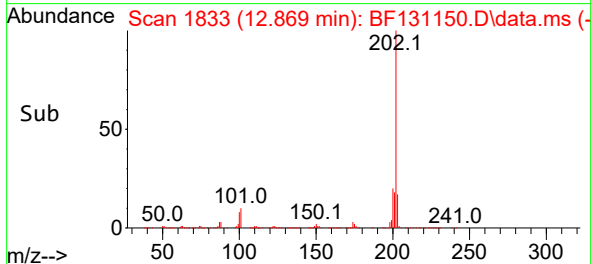
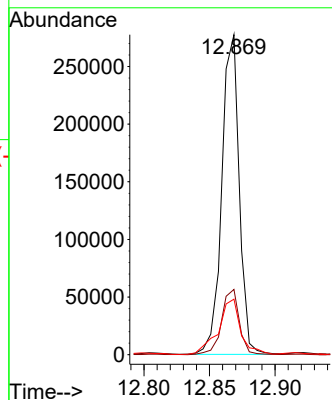
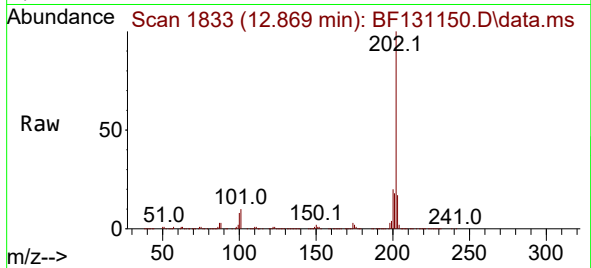




#78
 Pyrene
 Concen: 18.293 ng
 RT: 12.869 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF131150.D
 Acq: 11 Nov 2022 12:26

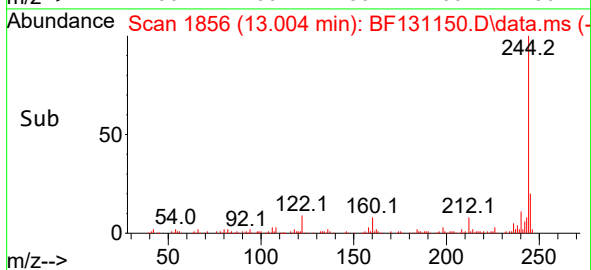
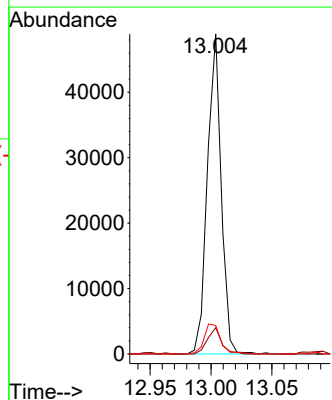
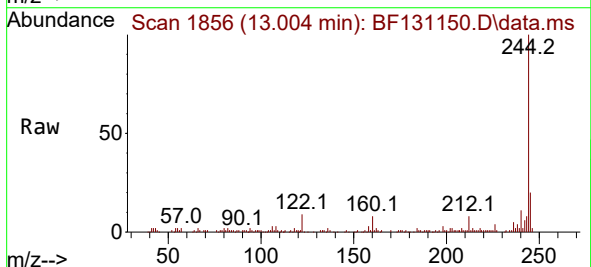
Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-110822DL

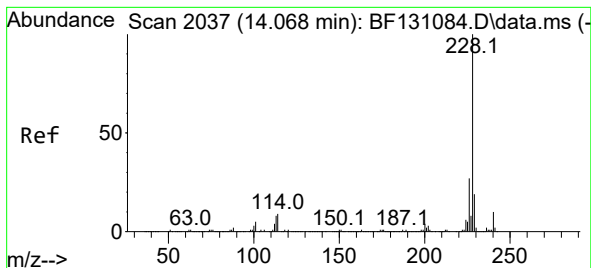
Tgt Ion:202 Resp: 255983
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.8 25.2
 203 17.4 13.6 20.4



#79
 Terphenyl-d14
 Concen: 4.140 ng
 RT: 13.004 min Scan# 1856
 Delta R.T. -0.011 min
 Lab File: BF131150.D
 Acq: 11 Nov 2022 12:26

Tgt Ion:244 Resp: 38508
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.2 9.2
 122 8.9 7.8 11.8





#81

Benzo(a)anthracene

Concen: 11.655 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF131150.D

Acq: 11 Nov 2022 12:26

Instrument :

BNA_F

ClientSampleId :

PAT-03-110822DL

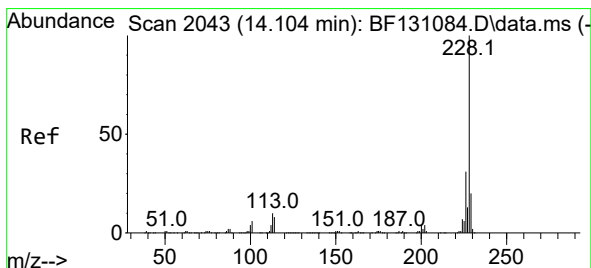
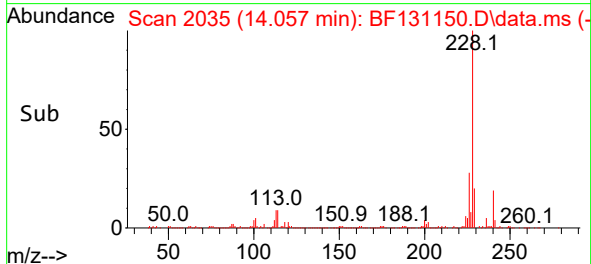
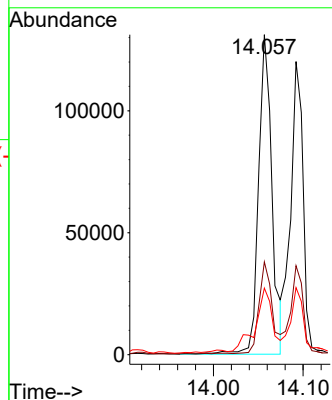
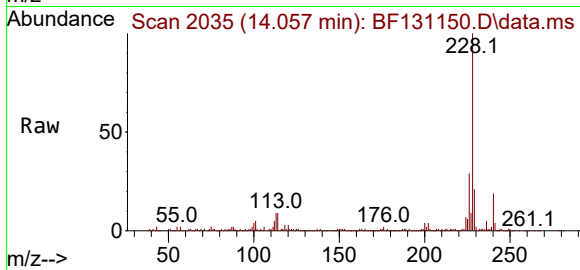
Tgt Ion:228 Resp: 135873

Ion Ratio Lower Upper

228 100

226 29.0 21.8 32.6

229 20.8 15.4 23.2



#83

Chrysene

Concen: 10.527 ng

RT: 14.092 min Scan# 2041

Delta R.T. -0.012 min

Lab File: BF131150.D

Acq: 11 Nov 2022 12:26

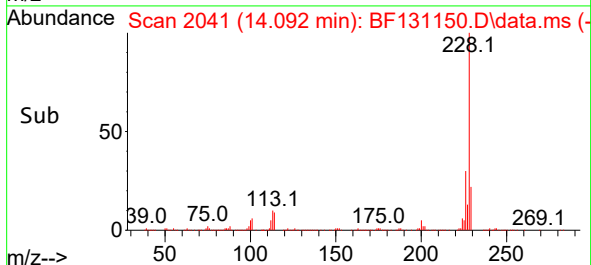
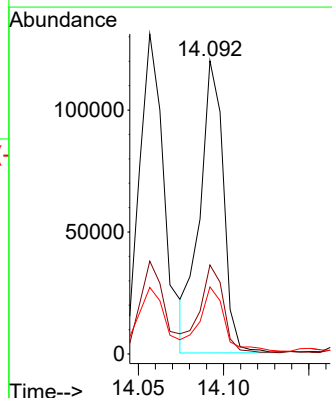
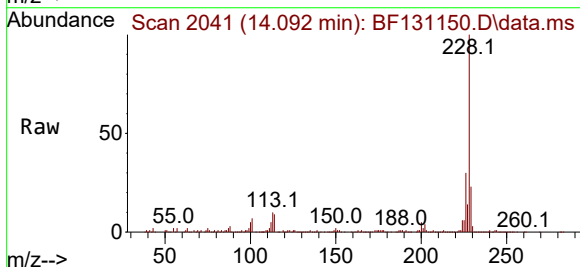
Tgt Ion:228 Resp: 115902

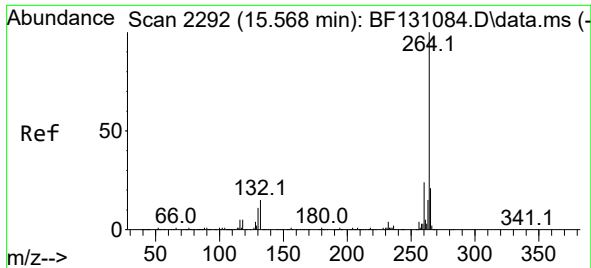
Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 22.9 15.8 23.6

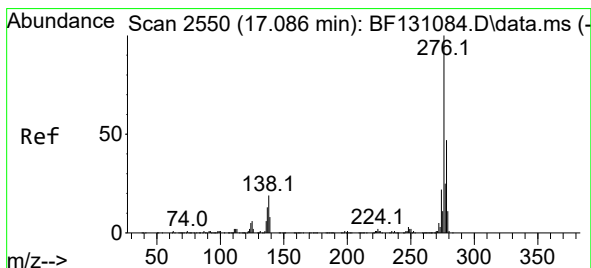
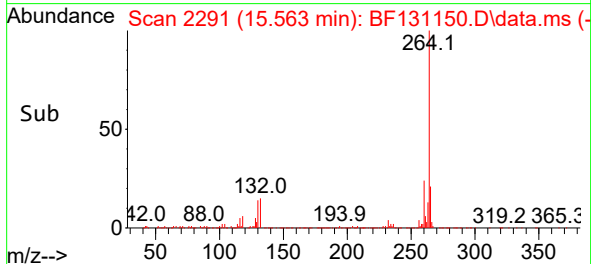
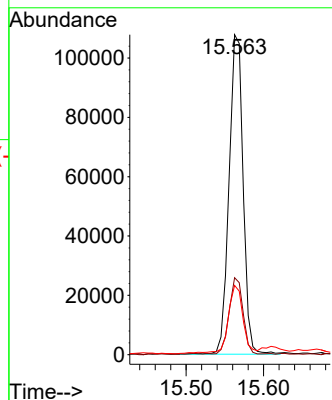
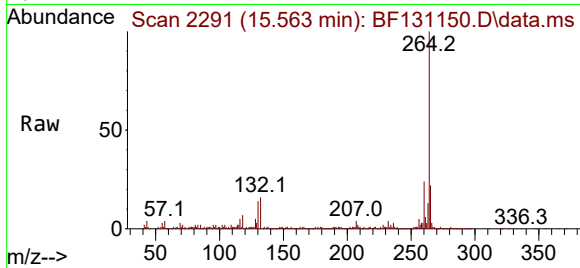




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

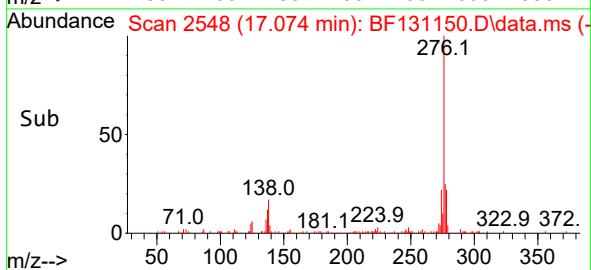
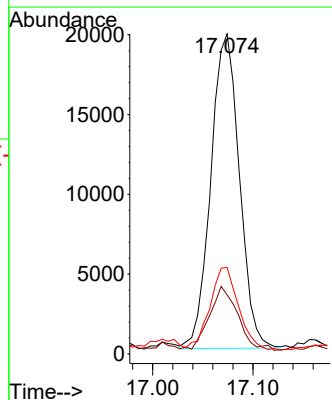
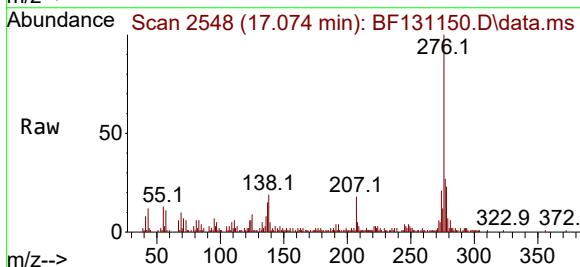
Instrument :
BNA_F
ClientSampleId :
PAT-03-110822DL

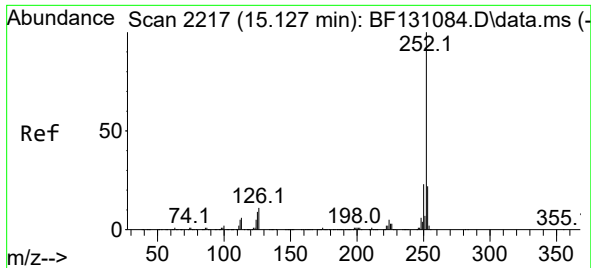
Tgt Ion:264 Resp: 136168
Ion Ratio Lower Upper
264 100
260 24.0 19.1 28.7
265 21.6 16.7 25.1



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.092 ng
RT: 17.074 min Scan# 2548
Delta R.T. -0.012 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

Tgt Ion:276 Resp: 39103
Ion Ratio Lower Upper
276 100
138 19.8 16.9 25.3
277 26.6 20.3 30.5

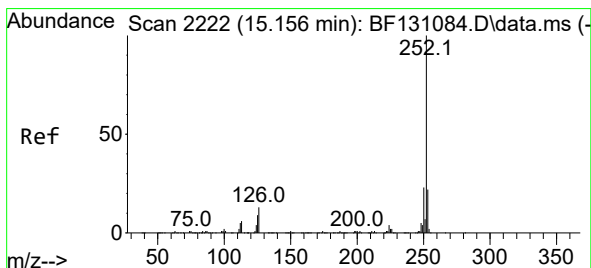
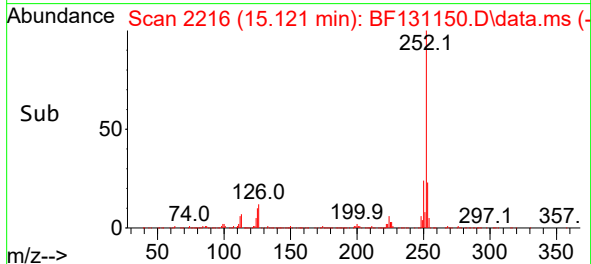
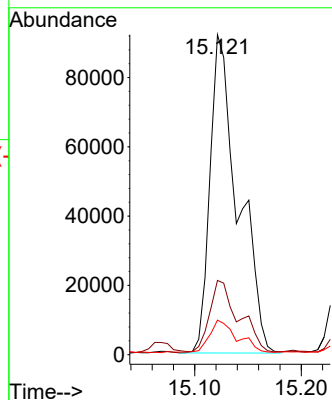
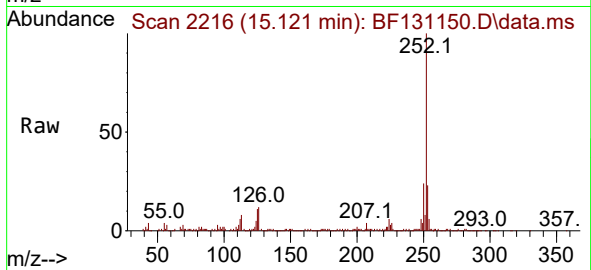




#88
Benzo(b)fluoranthene
Concen: 17.560 ng
RT: 15.121 min Scan# 2216
Delta R.T. -0.006 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

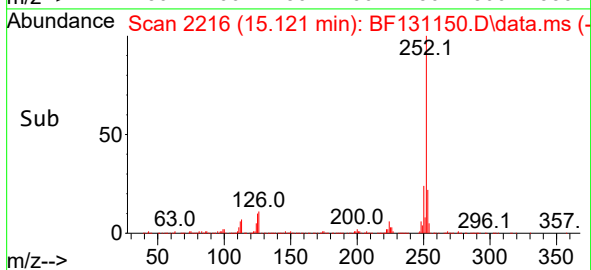
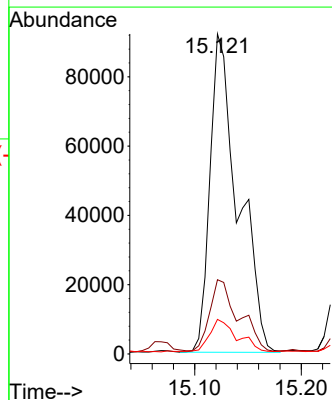
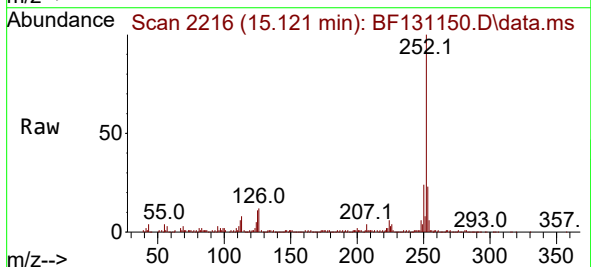
Instrument :
BNA_F
ClientSampleId :
PAT-03-110822DL

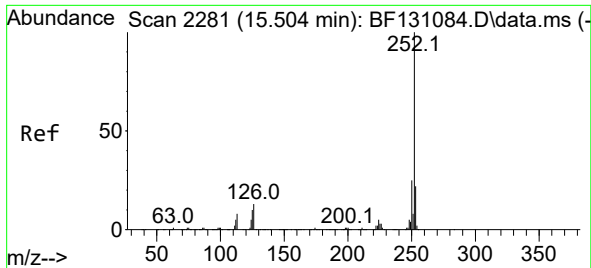
Tgt Ion:252 Resp: 169049
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 10.8 7.2 10.8



#89
Benzo(k)fluoranthene
Concen: 18.269 ng
RT: 15.121 min Scan# 2216
Delta R.T. -0.035 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

Tgt Ion:252 Resp: 169049
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 10.8 7.5 11.3

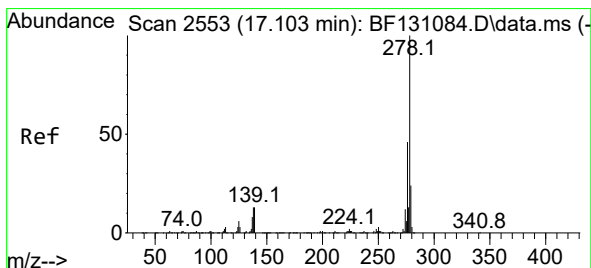
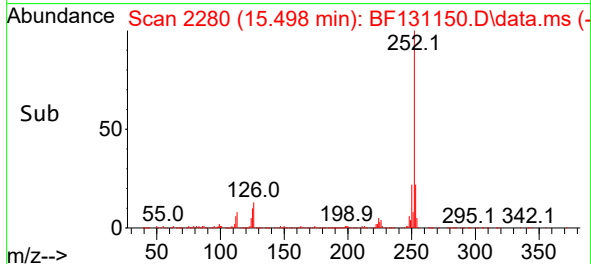
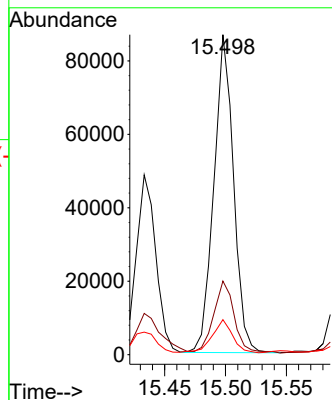
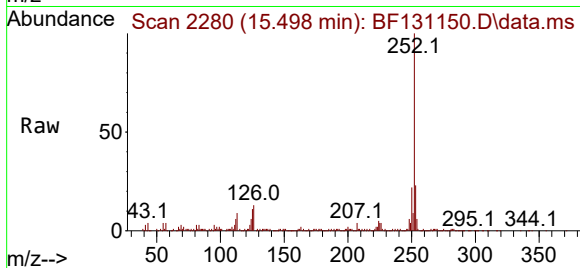




#90
Benzo(a)pyrene
Concen: 12.626 ng
RT: 15.498 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

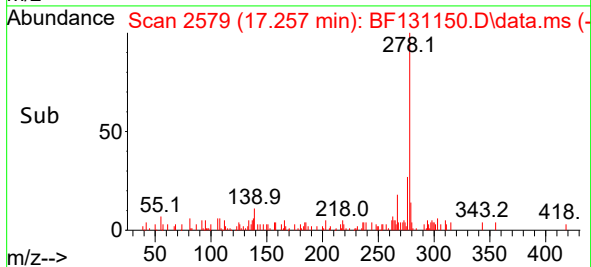
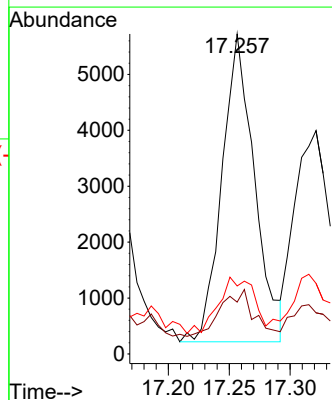
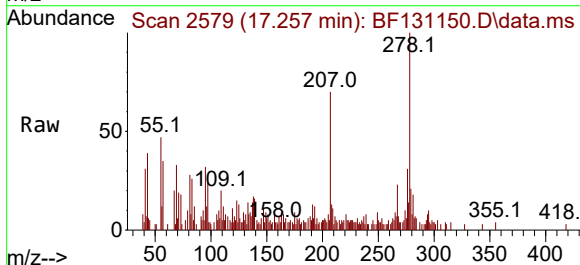
Instrument :
BNA_F
ClientSampleId :
PAT-03-110822DL

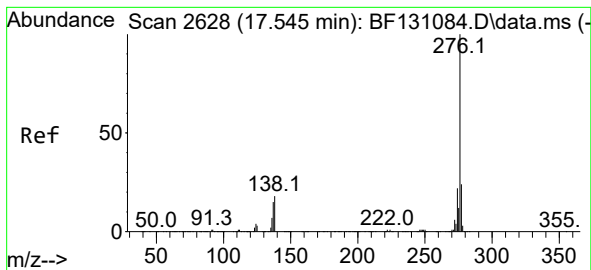
Tgt Ion:252 Resp: 97449
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 10.9 8.1 12.1



#91
Dibenzo(a,h)anthracene
Concen: 4.881 ng
RT: 17.257 min Scan# 2579
Delta R.T. 0.154 min
Lab File: BF131150.D
Acq: 11 Nov 2022 12:26

Tgt Ion:278 Resp: 10225
Ion Ratio Lower Upper
278 100
139 16.2 10.8 16.2
279 21.2 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 7.988 ng

RT: 17.527 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF131150.D

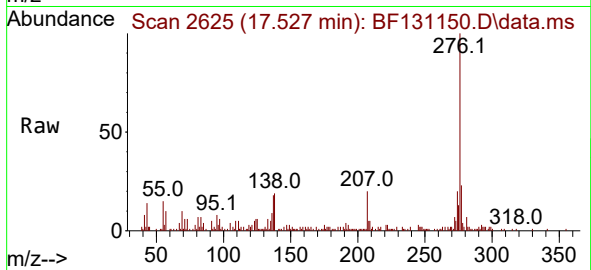
Acq: 11 Nov 2022 12:26

Instrument :

BNA_F

ClientSampleId :

PAT-03-110822DL



Tgt Ion:276 Resp: 38155

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.4

138 18.7 14.6 21.8

