

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131151.D
 Acq On : 11 Nov 2022 12:57
 Operator : CG\JU
 Sample : N5518-01DL 20X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-02-110822DL

Quant Time: Nov 11 14:42:08 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)

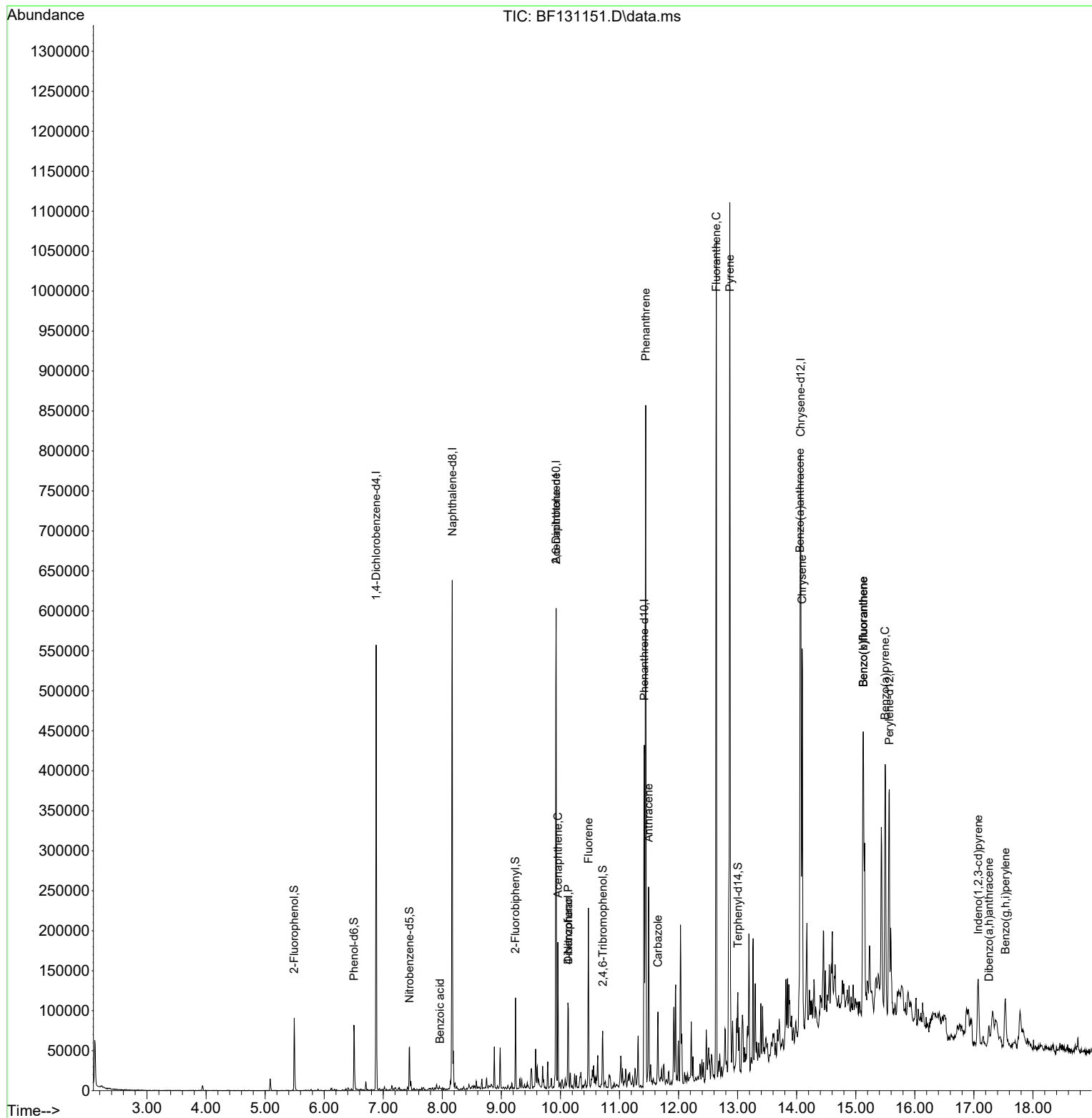
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	67685	20.000	ng	-0.01
21) Naphthalene-d8	8.169	136	243749	20.000	ng	-0.01
39) Acenaphthene-d10	9.927	164	113043	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	157980	20.000	ng	# 0.00
76) Chrysene-d12	14.068	240	156568	20.000	ng	#-0.01
86) Perylene-d12	15.568	264	127679	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	21566	5.419	ng	-0.01
7) Phenol-d6	6.504	99	24851	4.776	ng	-0.02
23) Nitrobenzene-d5	7.445	82	15601	2.888	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	3727	3.190	ng	-0.02
45) 2-Fluorobiphenyl	9.239	172	27988	3.456	ng	-0.02
79) Terphenyl-d14	13.004	244	28504	3.192	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	7.963	122	79	5.745	ng	# 1
51) 2,6-Dinitrotoluene	9.927	165	15419	8.725	ng	# 14
52) Acenaphthene	9.957	154	30862	4.774	ng	98
55) Dibenzofuran	10.133	168	32936	3.440	ng	98
56) 4-Nitrophenol	10.133	139	14407	10.714	ng	# 1
58) Fluorene	10.474	166	50892	6.545	ng	99
71) Phenanthrene	11.445	178	286812	33.010	ng	99
72) Anthracene	11.492	178	86556	10.264	ng	99
73) Carbazole	11.651	167	32933	4.392	ng	97
75) Fluoranthene	12.639	202	388056	44.618	ng	99
78) Pyrene	12.868	202	414471	30.855	ng	100
81) Benzo(a)anthracene	14.057	228	207937	18.581	ng	98
83) Chrysene	14.092	228	189196	17.901	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	55446	8.745	ng	96
88) Benzo(b)fluoranthene	15.127	252	283576	31.414	ng	99
89) Benzo(k)fluoranthene	15.127	252	283576	32.684	ng	99
90) Benzo(a)pyrene	15.498	252	150348	20.775	ng	99
91) Dibenzo(a,h)anthracene	17.256	278	12750	5.225	ng	94
92) Benzo(g,h,i)perylene	17.533	276	49898	9.417	ng	97

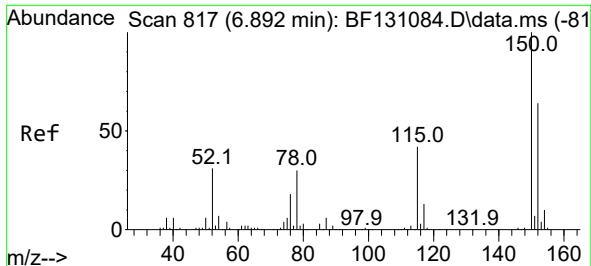
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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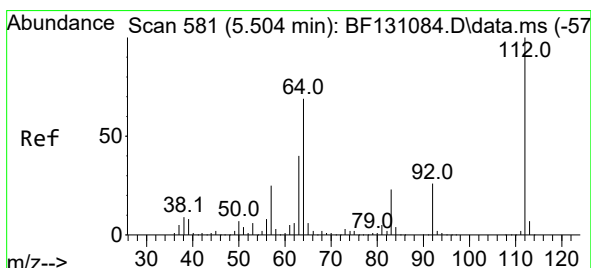
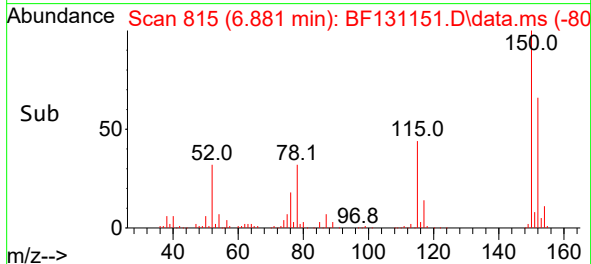
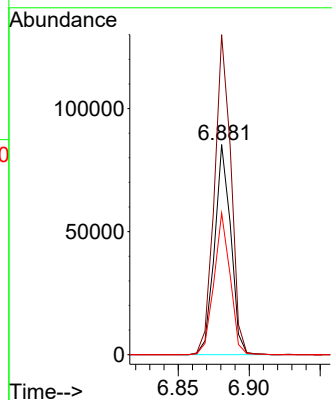
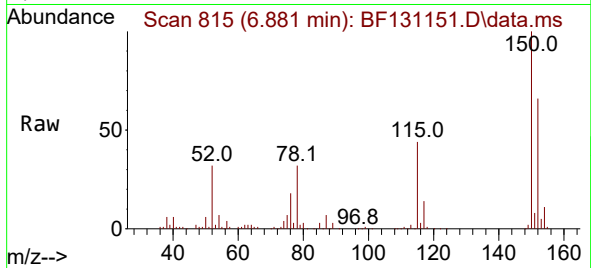




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 81
 Delta R.T. -0.011 min
 Lab File: BF131151.D
 Acq: 11 Nov 2022 12:57

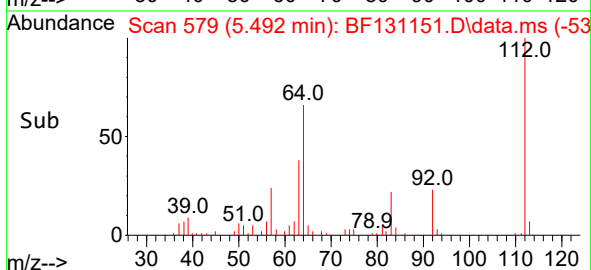
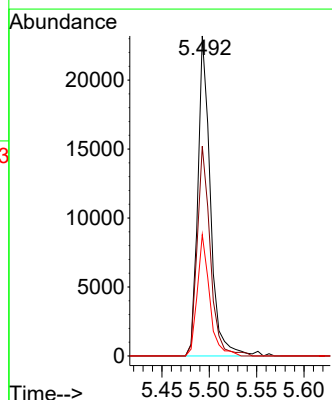
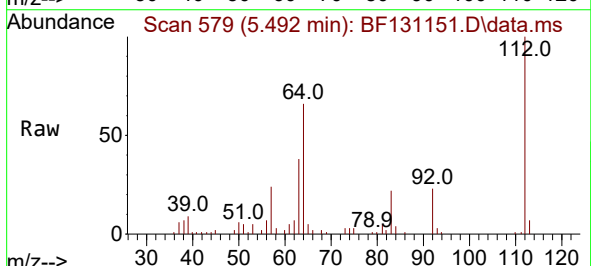
Instrument :
 BNA_F
 ClientSampleId :
 PAT-02-110822DL

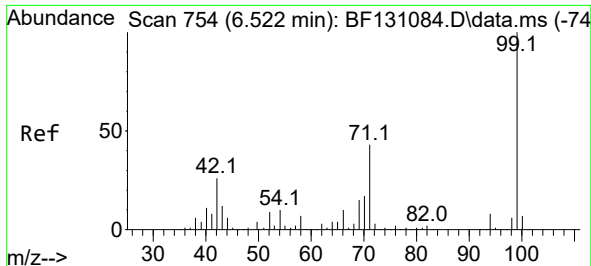
Tgt Ion:152 Resp: 67685
 Ion Ratio Lower Upper
 152 100
 150 152.4 125.5 188.3
 115 67.4 52.2 78.2



#5
 2-Fluorophenol
 Concen: 5.419 ng
 RT: 5.492 min Scan# 579
 Delta R.T. -0.012 min
 Lab File: BF131151.D
 Acq: 11 Nov 2022 12:57

Tgt Ion:112 Resp: 21566
 Ion Ratio Lower Upper
 112 100
 64 65.5 55.1 82.7
 63 37.9 32.4 48.6

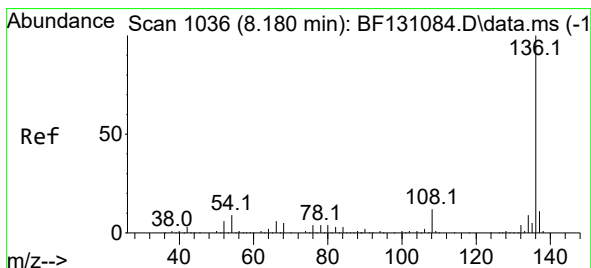
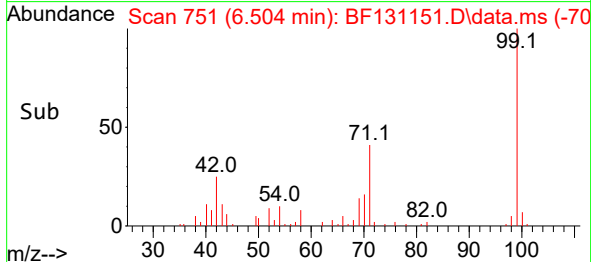
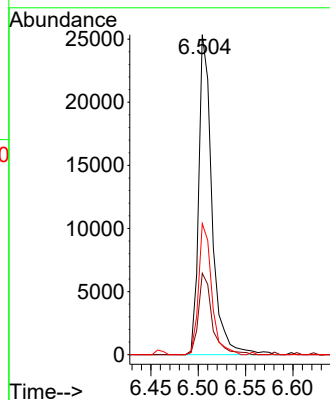
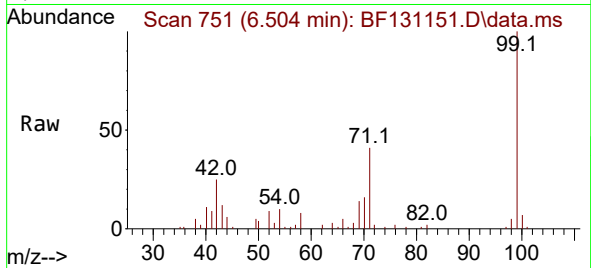




#7
Phenol-d6
Concen: 4.776 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

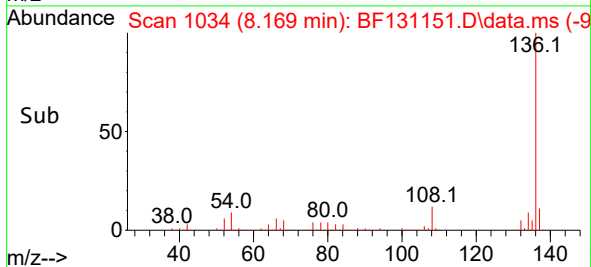
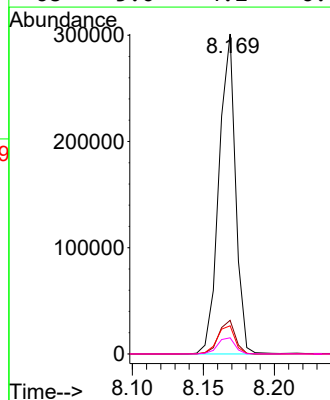
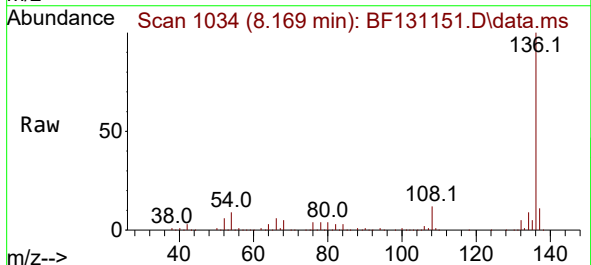
Instrument :
BNA_F
ClientSampleId :
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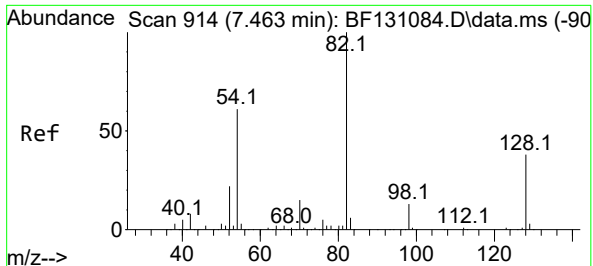
Tgt Ion: 99 Resp: 24851
Ion Ratio Lower Upper
99 100
42 25.5 20.8 31.2
71 40.9 34.2 51.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.011 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

Tgt Ion: 136 Resp: 243749
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 8.8 7.2 10.8
68 5.0 4.2 6.4

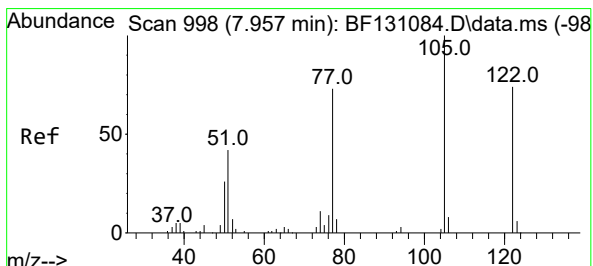
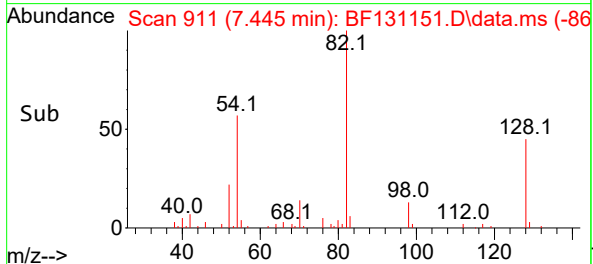
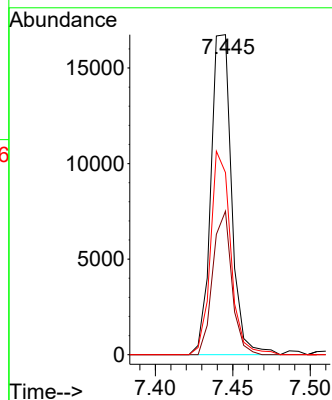
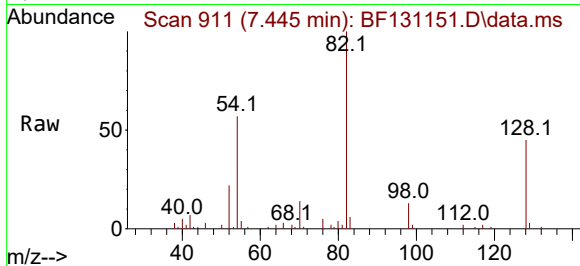




#23
 Nitrobenzene-d5
 Concen: 2.888 ng
 RT: 7.445 min Scan# 911
 Delta R.T. -0.018 min
 Lab File: BF131151.D
 Acq: 11 Nov 2022 12:57

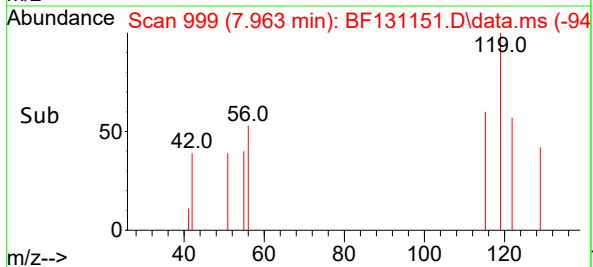
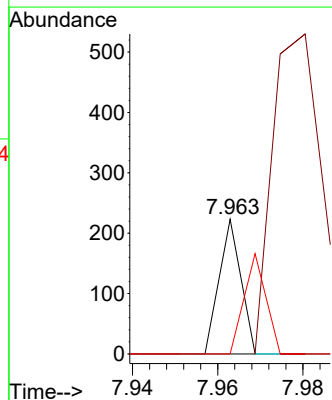
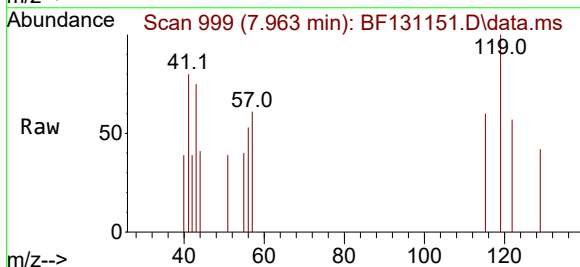
Instrument :
 BNA_F
 ClientSampleId :
 PAT-02-110822DL

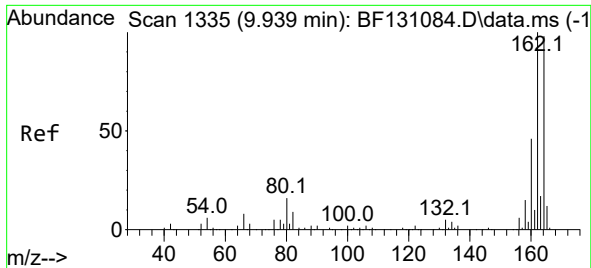
Tgt Ion: 82 Resp: 15601
 Ion Ratio Lower Upper
 82 100
 128 44.9 30.5 45.7
 54 56.9 49.1 73.7



#32
 Benzoic acid
 Concen: 5.745 ng
 RT: 7.963 min Scan# 999
 Delta R.T. 0.006 min
 Lab File: BF131151.D
 Acq: 11 Nov 2022 12:57

Tgt Ion: 122 Resp: 79
 Ion Ratio Lower Upper
 122 100
 105 0.0 113.0 153.0#
 77 0.0 78.7 118.7#

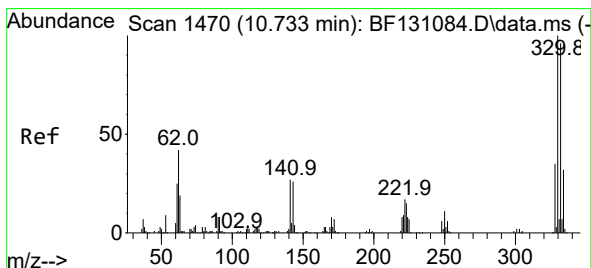
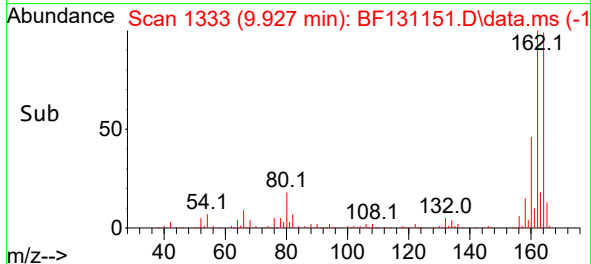
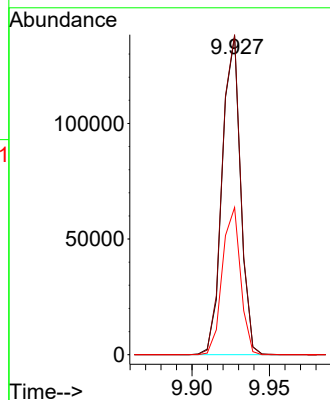
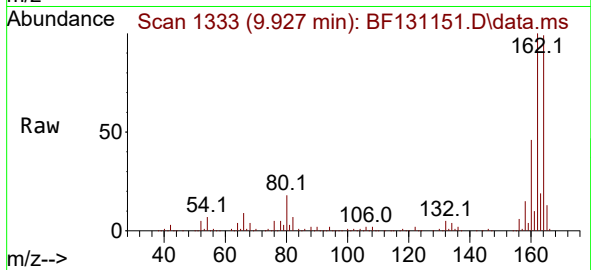




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

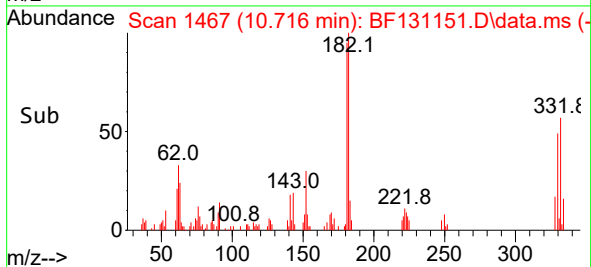
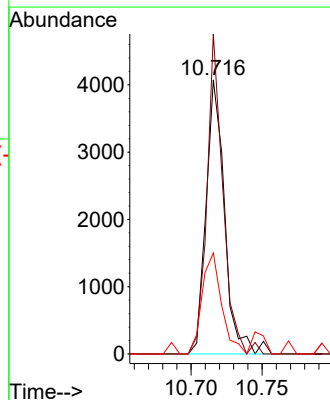
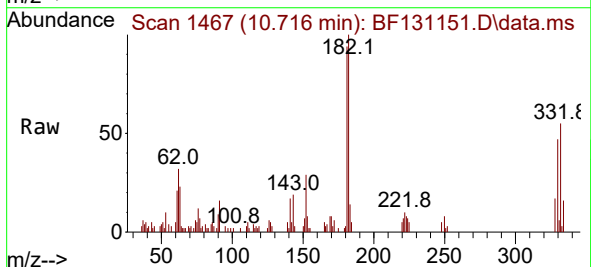
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ClientSampleId :
PAT-02-110822DL

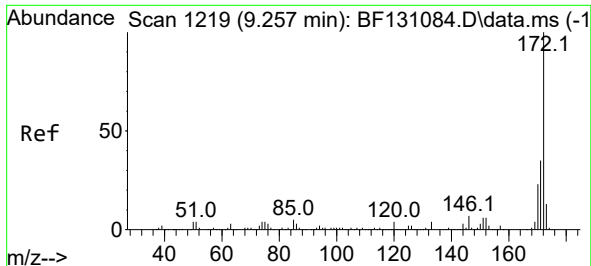
Tgt Ion:164 Resp: 113043
Ion Ratio Lower Upper
164 100
162 100.5 81.7 122.5
160 46.3 37.4 56.2



#42
2,4,6-Tribromophenol
Concen: 3.190 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.018 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

Tgt Ion:330 Resp: 3727
Ion Ratio Lower Upper
330 100
332 100.7 77.0 115.4
141 38.6 28.5 42.7





#45

2-Fluorobiphenyl

Concen: 3.456 ng

RT: 9.239 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF131151.D

Acq: 11 Nov 2022 12:57

Instrument :

BNA_F

ClientSampleId :

PAT-02-110822DL

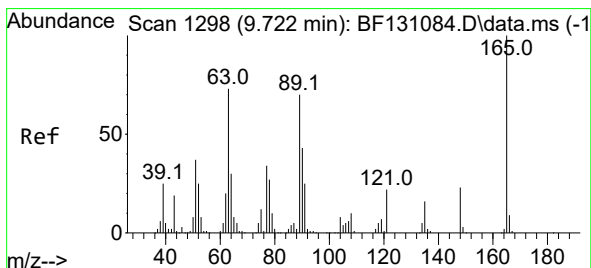
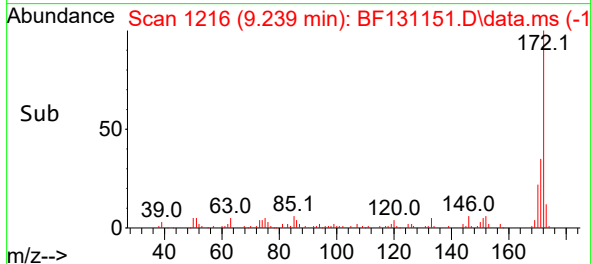
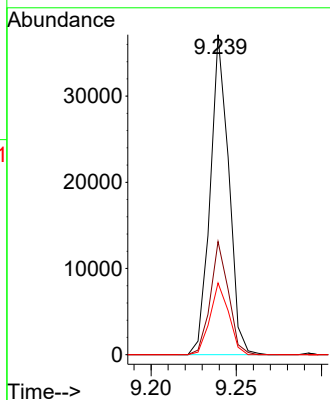
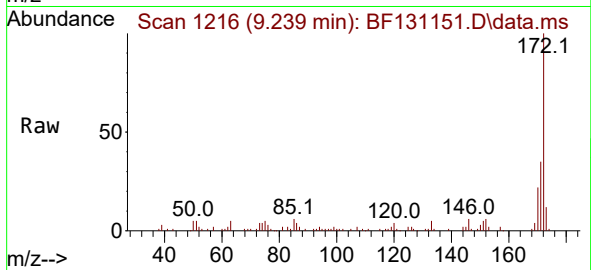
Tgt Ion:172 Resp: 27988

Ion Ratio Lower Upper

172 100

171 35.4 27.7 41.5

170 22.4 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 8.725 ng

RT: 9.927 min Scan# 1333

Delta R.T. 0.206 min

Lab File: BF131151.D

Acq: 11 Nov 2022 12:57

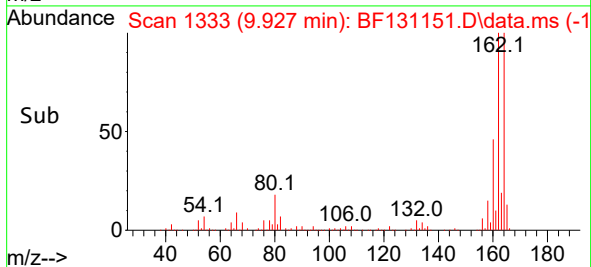
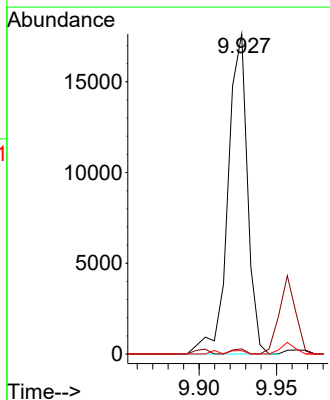
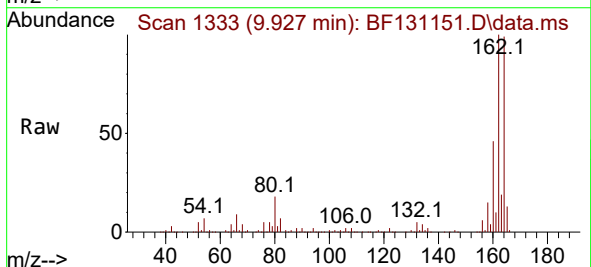
Tgt Ion:165 Resp: 15419

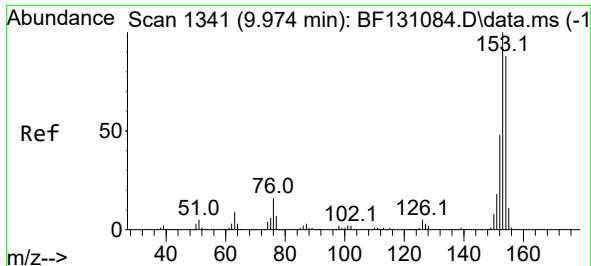
Ion Ratio Lower Upper

165 100

63 1.6 61.4 92.2#

89 1.0 56.0 84.0#

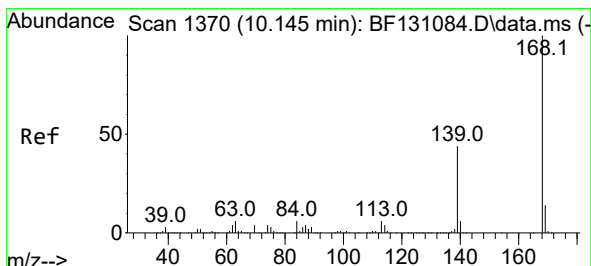
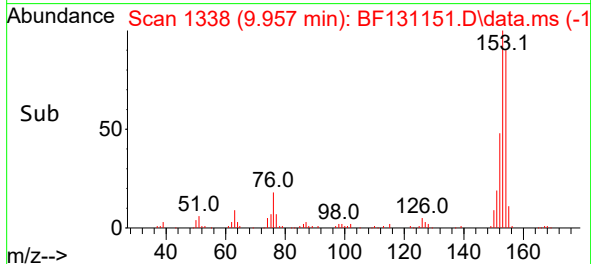
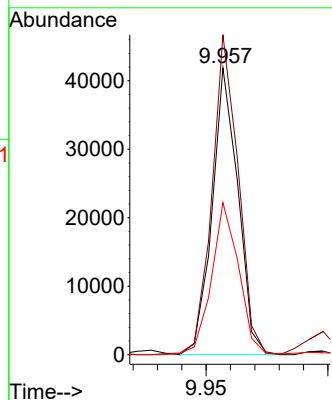
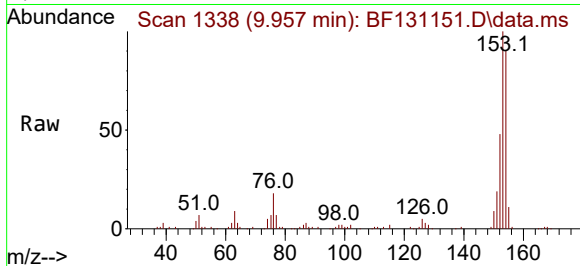




#52
Acenaphthene
Concen: 4.774 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.018 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

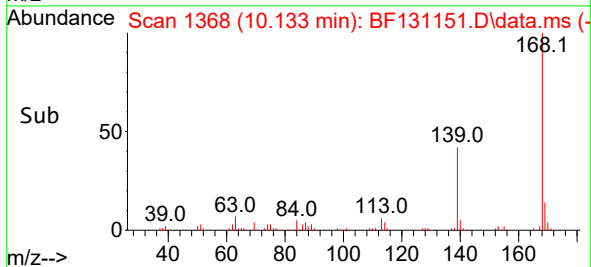
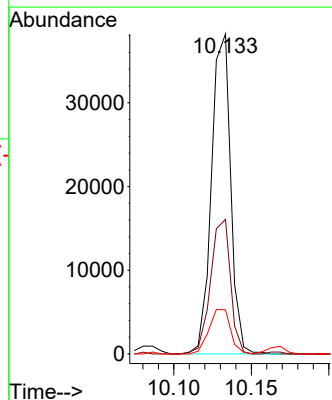
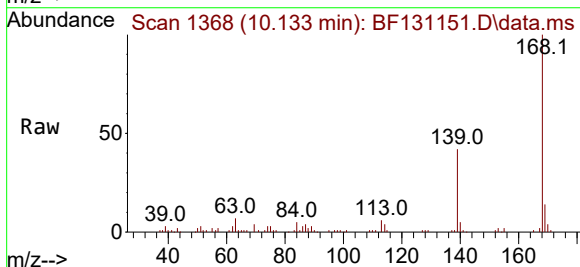
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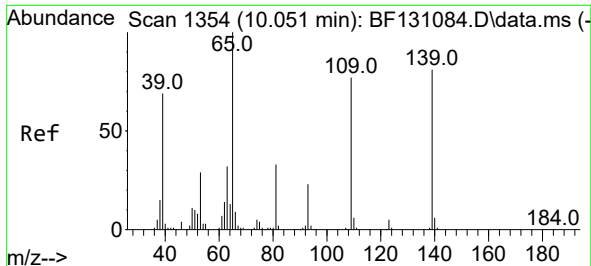
Tgt Ion:154 Resp: 30862
Ion Ratio Lower Upper
154 100
153 111.5 90.8 136.2
152 53.0 43.4 65.2



#55
Dibenzofuran
Concen: 3.440 ng
RT: 10.133 min Scan# 1368
Delta R.T. -0.012 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

Tgt Ion:168 Resp: 32936
Ion Ratio Lower Upper
168 100
139 42.1 35.0 52.4
169 13.8 11.2 16.8

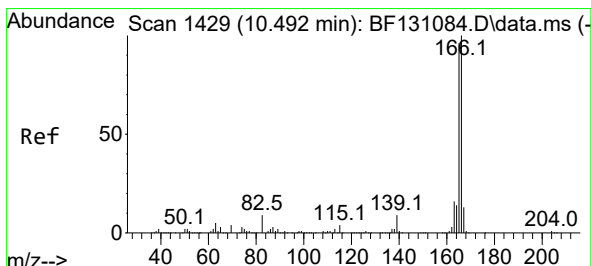
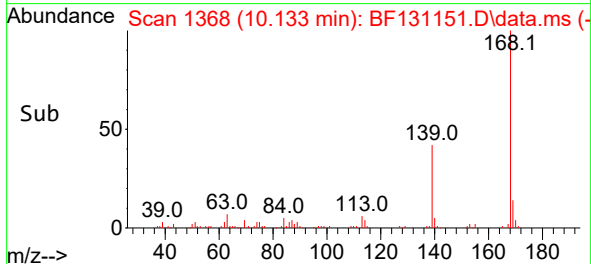
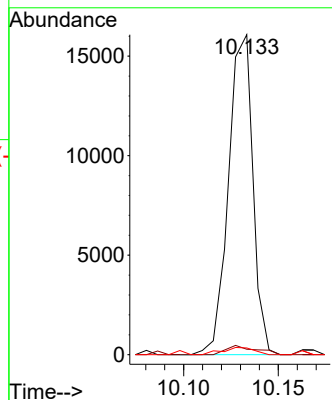
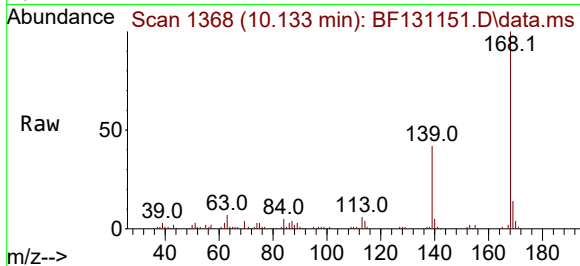




#56
4-Nitrophenol
Concen: 10.714 ng
RT: 10.133 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

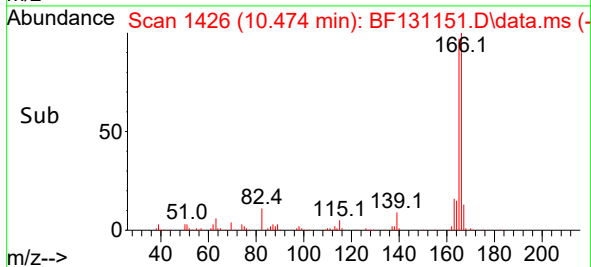
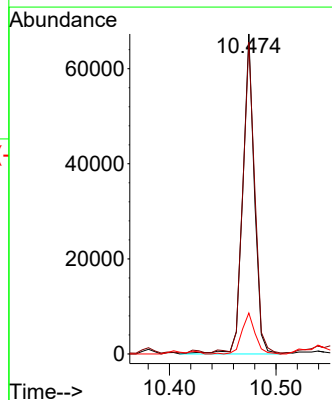
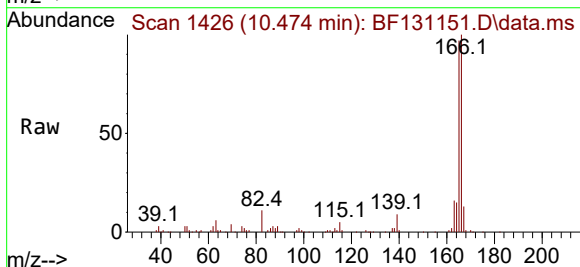
Instrument :
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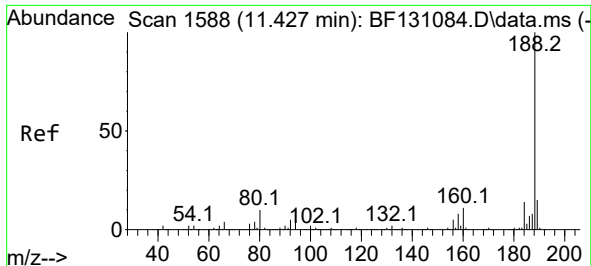
Tgt Ion:139 Resp: 14407
Ion Ratio Lower Upper
139 100
109 1.7 75.5 115.5#
65 2.1 104.5 144.5#



#58
Fluorene
Concen: 6.545 ng
RT: 10.474 min Scan# 1426
Delta R.T. -0.018 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

Tgt Ion:166 Resp: 50892
Ion Ratio Lower Upper
166 100
165 97.4 77.2 115.8
167 12.8 10.2 15.4

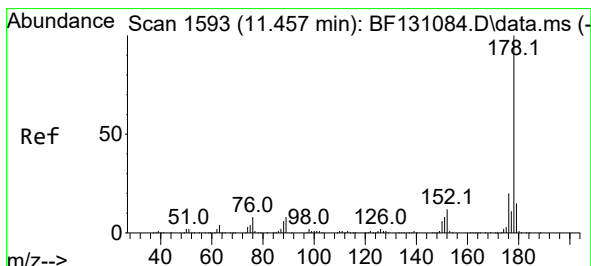
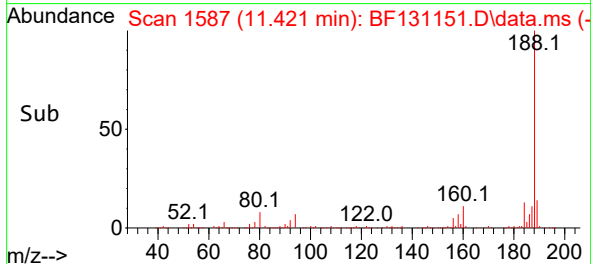
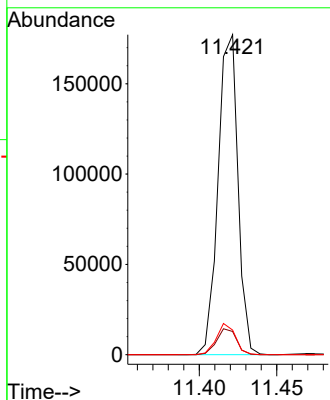
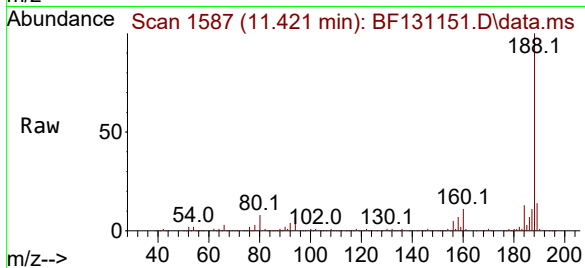




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

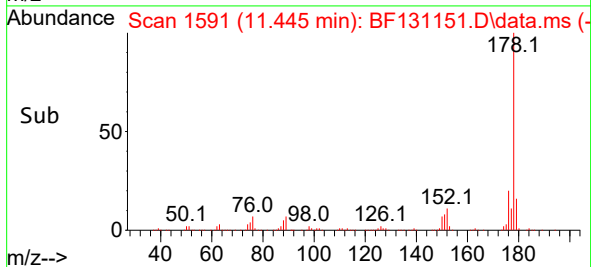
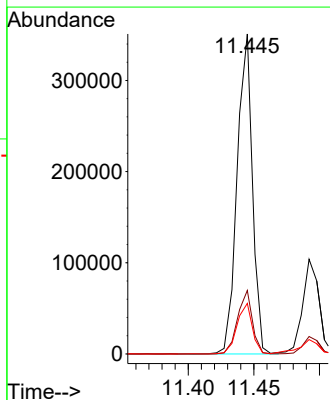
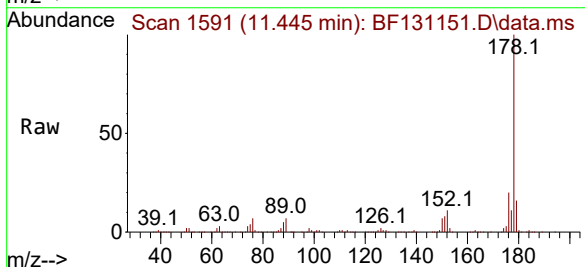
Instrument :
BNA_F
ClientSampleId :
PAT-02-110822DL

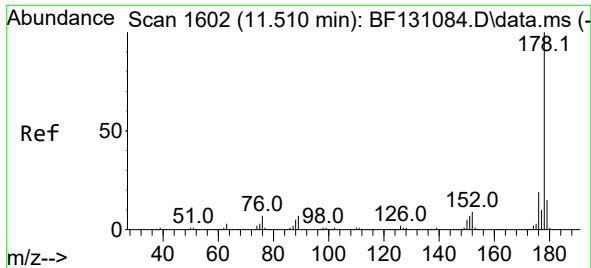
Tgt Ion:188 Resp: 157980
Ion Ratio Lower Upper
188 100
94 7.2 7.0 10.6
80 7.7 7.9 11.9#



#71
Phenanthrene
Concen: 33.010 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

Tgt Ion:178 Resp: 286812
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.8 12.2 18.2

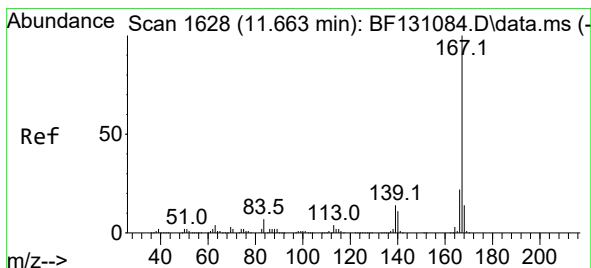
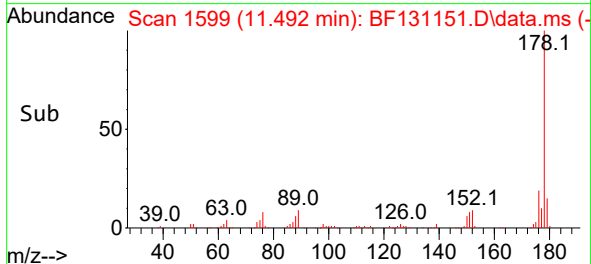
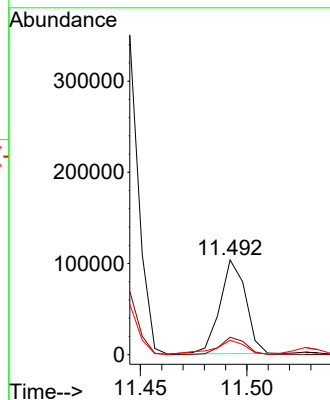
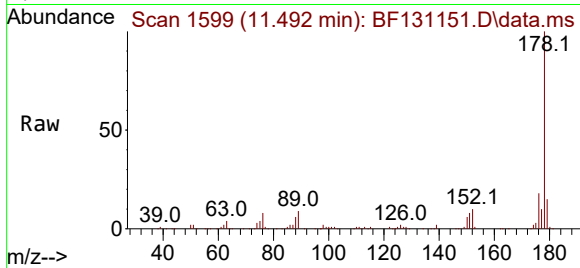




#72
 Anthracene
 Concen: 10.264 ng
 RT: 11.492 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF131151.D
 Acq: 11 Nov 2022 12:57

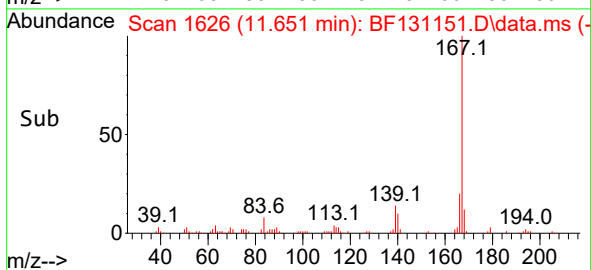
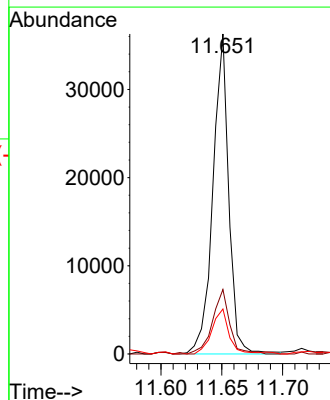
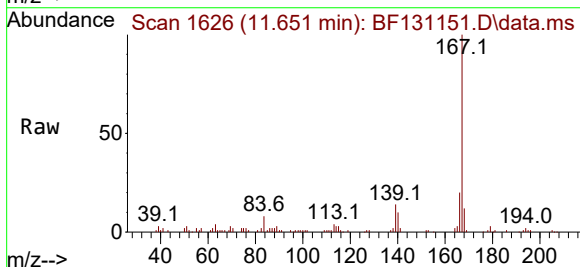
Instrument :
 BNA_F
 ClientSampleId :
 PAT-02-110822DL

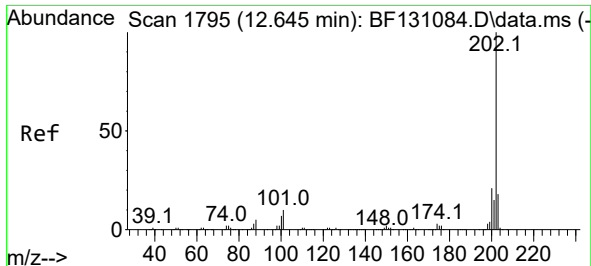
Tgt Ion:178 Resp: 86556
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.6
 179 15.3 11.8 17.8



#73
 Carbazole
 Concen: 4.392 ng
 RT: 11.651 min Scan# 1626
 Delta R.T. -0.012 min
 Lab File: BF131151.D
 Acq: 11 Nov 2022 12:57

Tgt Ion:167 Resp: 32933
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.6 26.4
 139 14.1 10.8 16.2

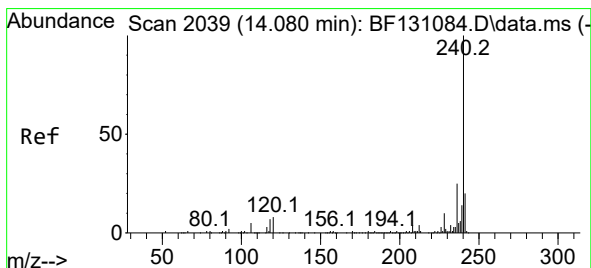
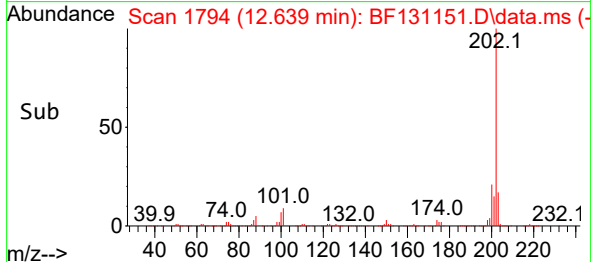
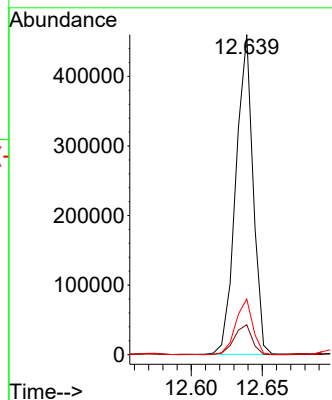
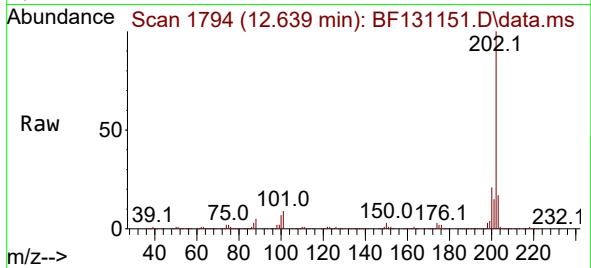




#75
Fluoranthene
Concen: 44.618 ng
RT: 12.639 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

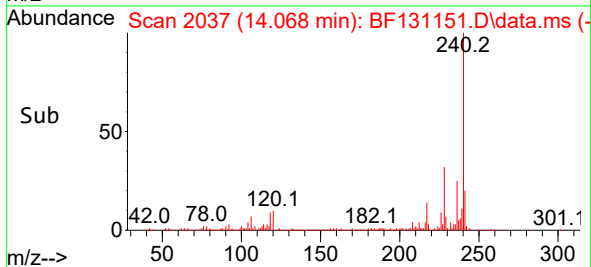
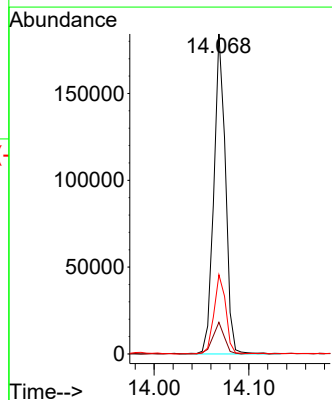
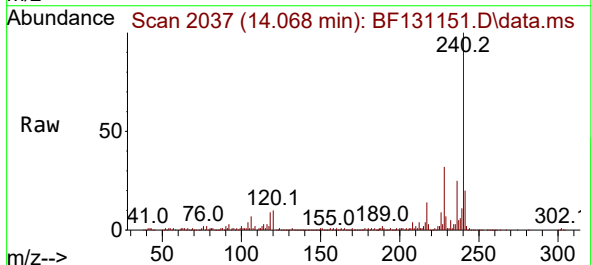
Instrument :
BNA_F
ClientSampleId :
PAT-02-110822DL

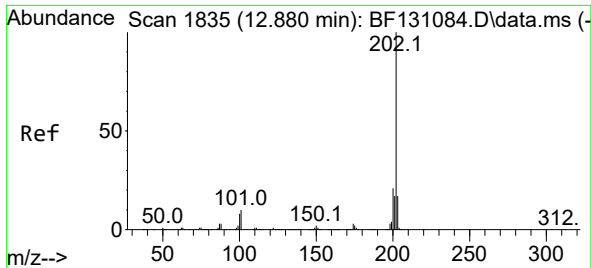
Tgt Ion:202 Resp: 388056
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.0
203 17.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

Tgt Ion:240 Resp: 156568
Ion Ratio Lower Upper
240 100
120 9.9 6.5 9.7#
236 24.7 19.7 29.5

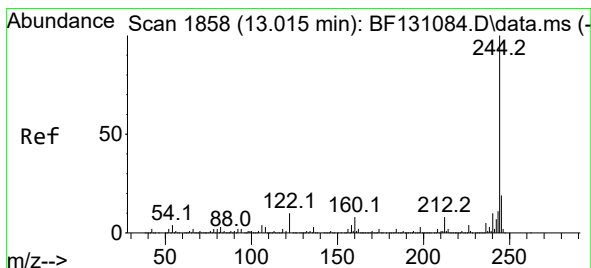
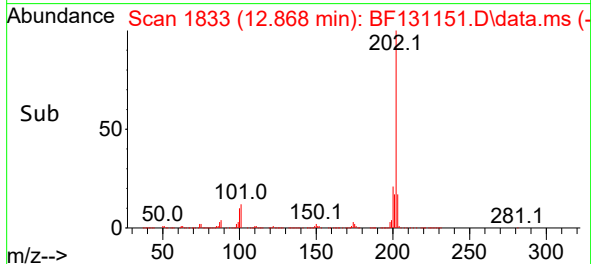
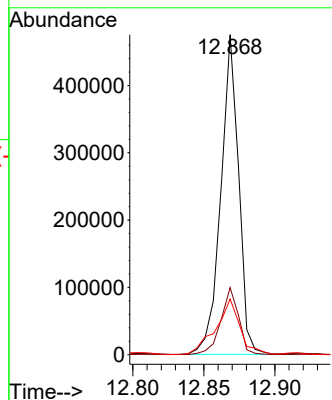
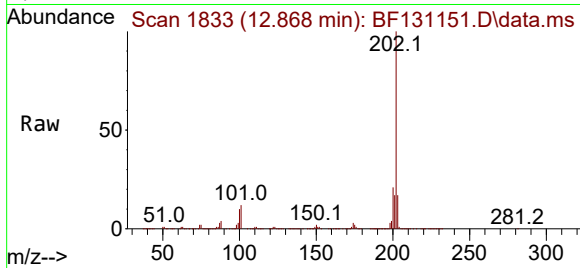




#78
Pyrene
Concen: 30.855 ng
RT: 12.868 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

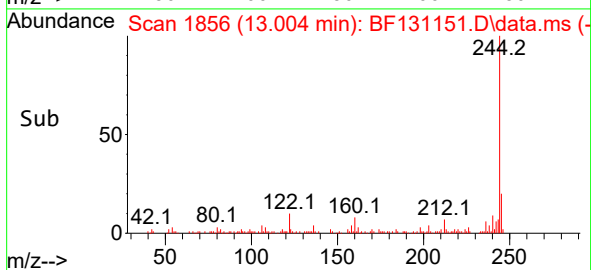
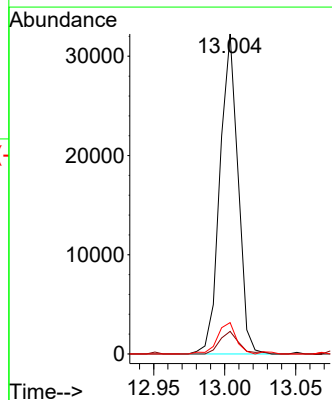
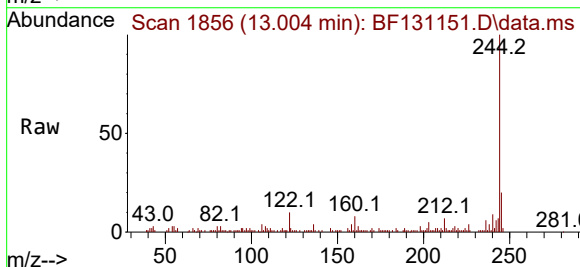
Instrument :
BNA_F
ClientSampleId :
PAT-02-110822DL

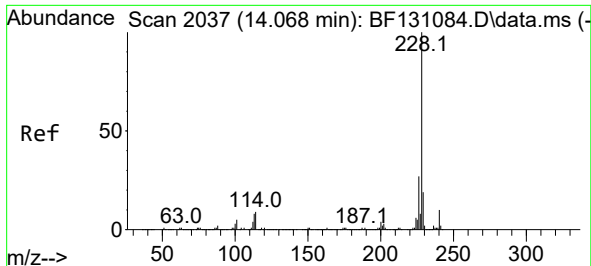
Tgt Ion:202 Resp: 414471
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 17.4 13.6 20.4



#79
Terphenyl-d14
Concen: 3.192 ng
RT: 13.004 min Scan# 1856
Delta R.T. -0.011 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

Tgt Ion:244 Resp: 28504
Ion Ratio Lower Upper
244 100
212 7.1 6.2 9.2
122 9.8 7.8 11.8

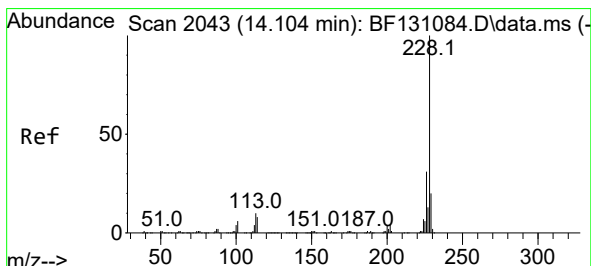
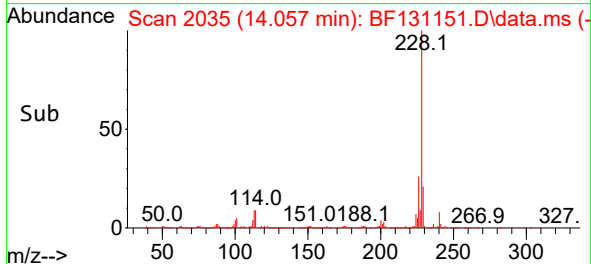
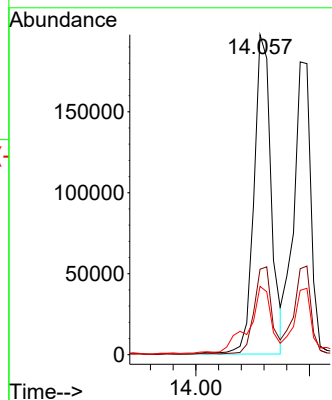
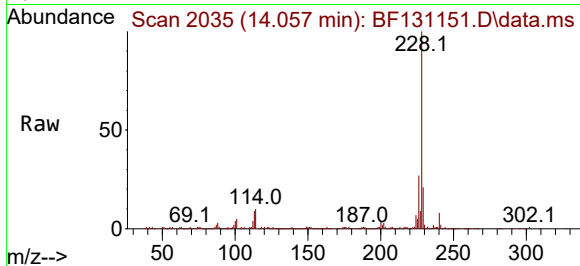




#81
Benzo(a)anthracene
Concen: 18.581 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

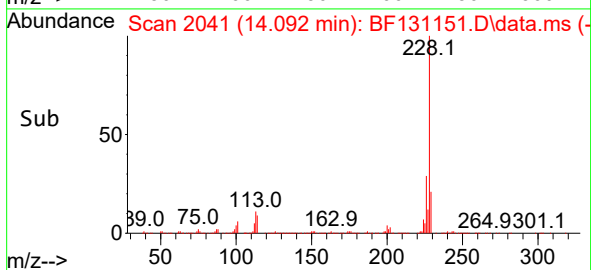
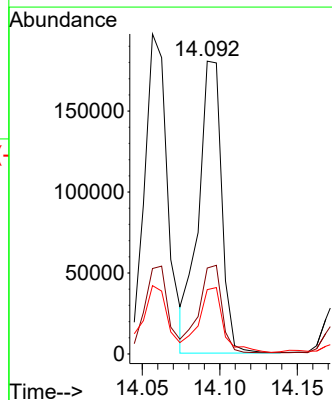
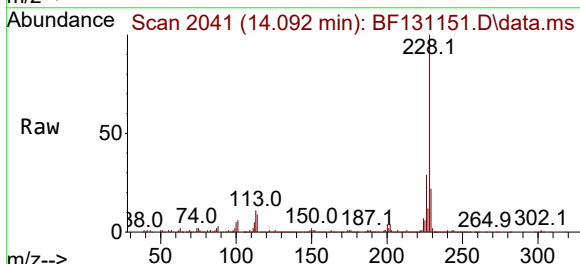
Instrument :
BNA_F
ClientSampleId :
PAT-02-110822DL

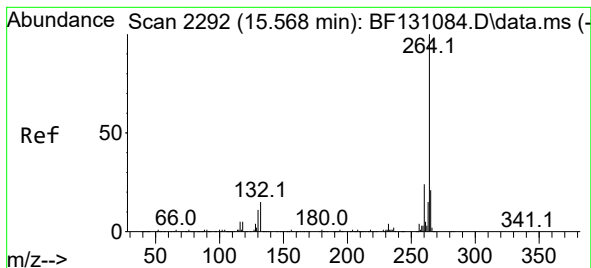
Tgt Ion:228 Resp: 207937
Ion Ratio Lower Upper
228 100
226 26.7 21.8 32.6
229 21.4 15.4 23.2



#83
Chrysene
Concen: 17.901 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.012 min
Lab File: BF131151.D
Acq: 11 Nov 2022 12:57

Tgt Ion:228 Resp: 189196
Ion Ratio Lower Upper
228 100
226 29.4 24.4 36.6
229 21.9 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF131151.D

Acq: 11 Nov 2022 12:57

Instrument :

BNA_F

ClientSampleId :

PAT-02-110822DL

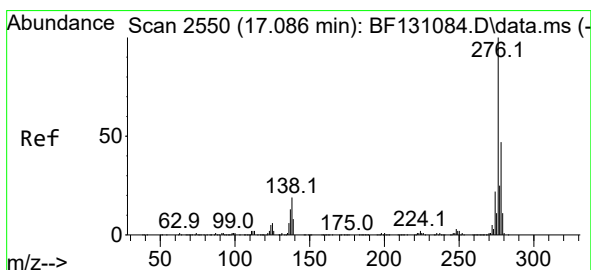
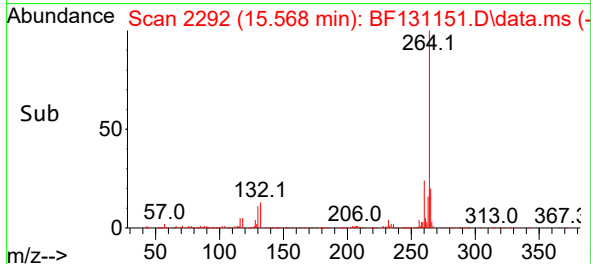
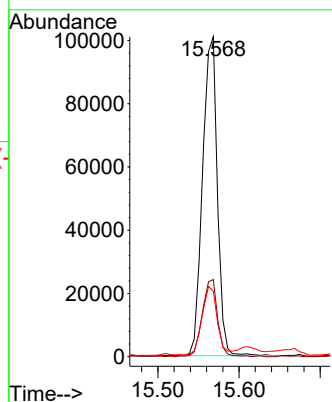
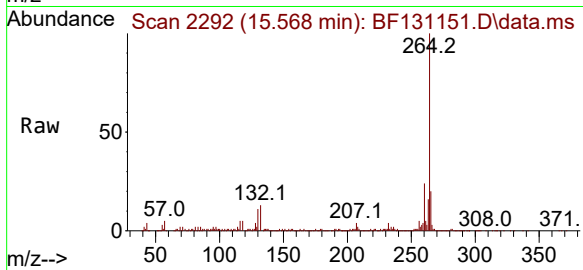
Tgt Ion:264 Resp: 127679

Ion Ratio Lower Upper

264 100

260 24.1 19.1 28.7

265 20.5 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.745 ng

RT: 17.074 min Scan# 2548

Delta R.T. -0.012 min

Lab File: BF131151.D

Acq: 11 Nov 2022 12:57

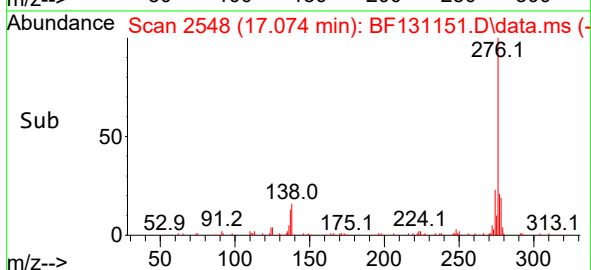
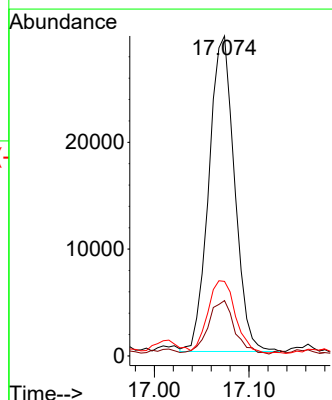
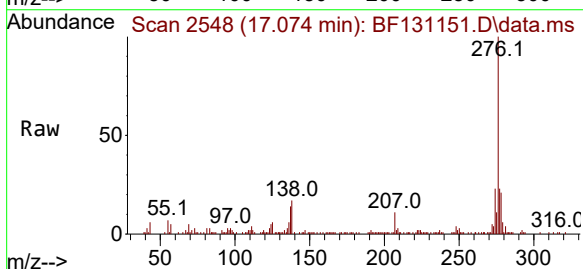
Tgt Ion:276 Resp: 55446

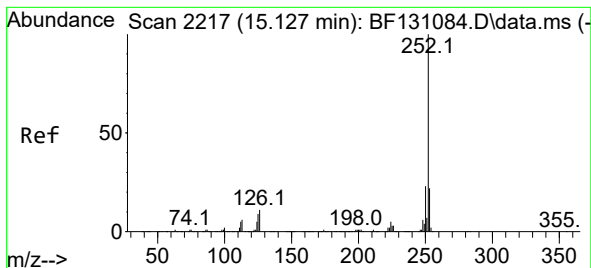
Ion Ratio Lower Upper

276 100

138 18.0 16.9 25.3

277 24.6 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 31.414 ng

RT: 15.127 min Scan# 2217

Delta R.T. 0.000 min

Lab File: BF131151.D

Acq: 11 Nov 2022 12:57

Instrument :

BNA_F

ClientSampleId :

PAT-02-110822DL

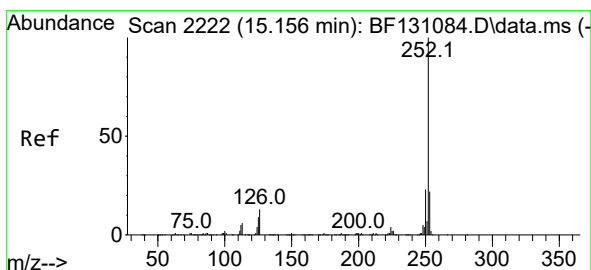
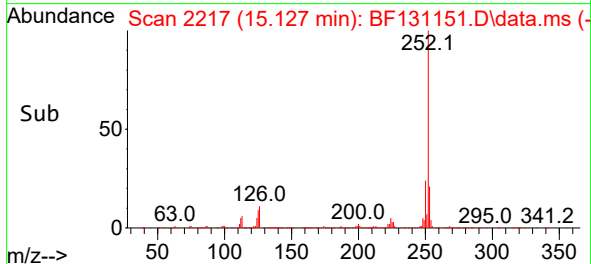
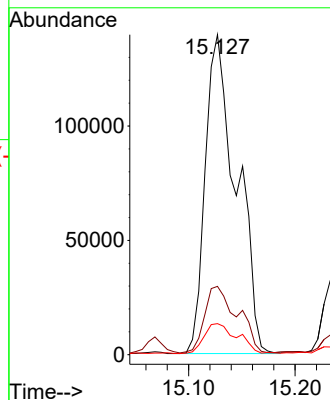
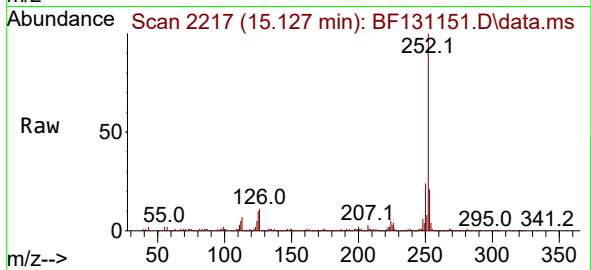
Tgt Ion:252 Resp: 283576

Ion Ratio Lower Upper

252 100

253 21.4 17.3 25.9

125 9.7 7.2 10.8



#89

Benzo(k)fluoranthene

Concen: 32.684 ng

RT: 15.127 min Scan# 2217

Delta R.T. -0.029 min

Lab File: BF131151.D

Acq: 11 Nov 2022 12:57

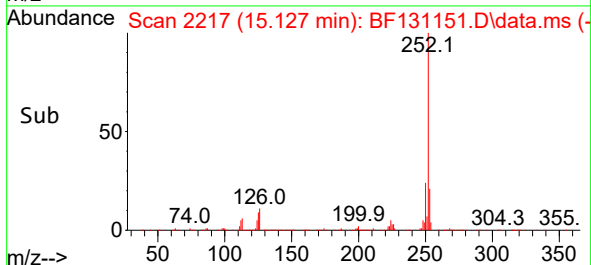
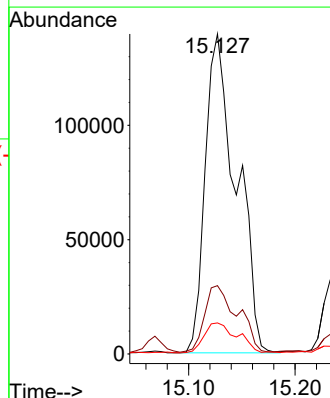
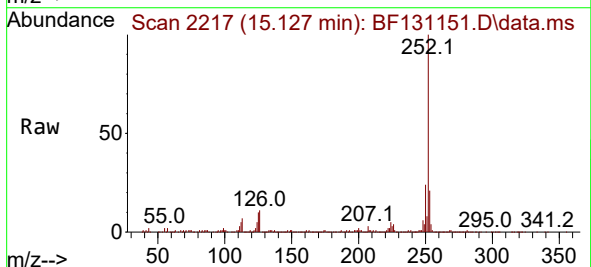
Tgt Ion:252 Resp: 283576

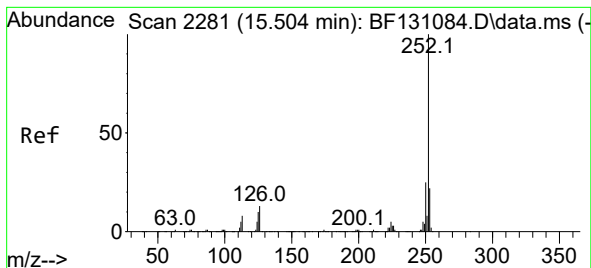
Ion Ratio Lower Upper

252 100

253 21.4 17.6 26.4

125 9.7 7.5 11.3





#90

Benzo(a)pyrene

Concen: 20.775 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131151.D

Acq: 11 Nov 2022 12:57

Instrument :

BNA_F

ClientSampleId :

PAT-02-110822DL

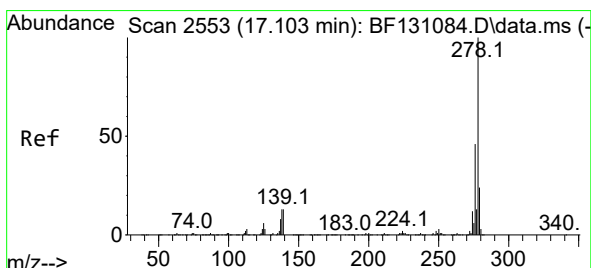
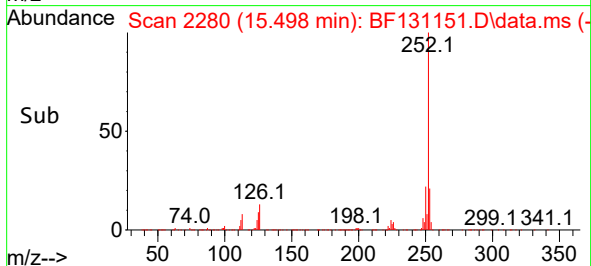
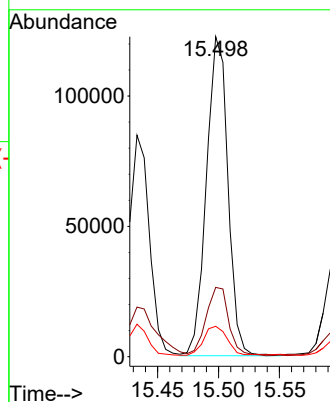
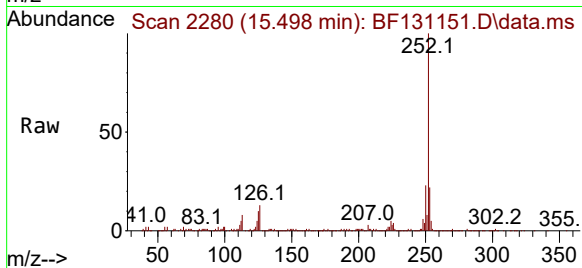
Tgt Ion:252 Resp: 150348

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 9.5 8.1 12.1



#91

Dibenzo(a,h)anthracene

Concen: 5.225 ng

RT: 17.256 min Scan# 2579

Delta R.T. 0.153 min

Lab File: BF131151.D

Acq: 11 Nov 2022 12:57

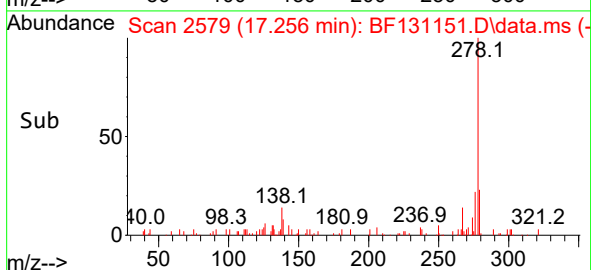
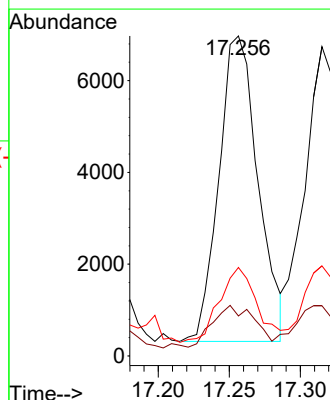
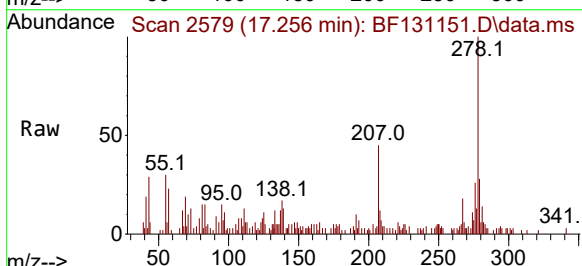
Tgt Ion:278 Resp: 12750

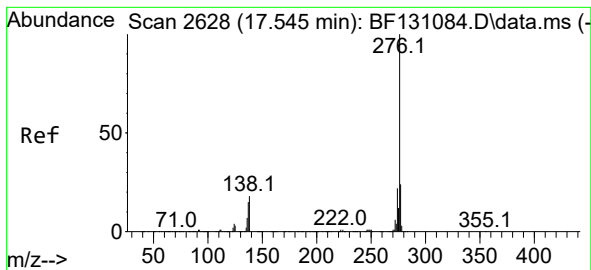
Ion Ratio Lower Upper

278 100

139 12.5 10.8 16.2

279 27.7 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 9.417 ng
 RT: 17.533 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF131151.D
 Acq: 11 Nov 2022 12:57

Instrument :
 BNA_F
 ClientSampleId :
 PAT-02-110822DL

Tgt Ion:276 Resp: 49898
 Ion Ratio Lower Upper
 276 100
 277 25.7 19.0 28.4
 138 18.7 14.6 21.8

