

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100522\
 Data File : BF130534.D
 Acq On : 05 Oct 2022 17:35
 Operator : CG\JU
 Sample : N4960-05 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-100322

Quant Time: Oct 06 01:12:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 06 01:07:05 2022
 Response via : Initial Calibration

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

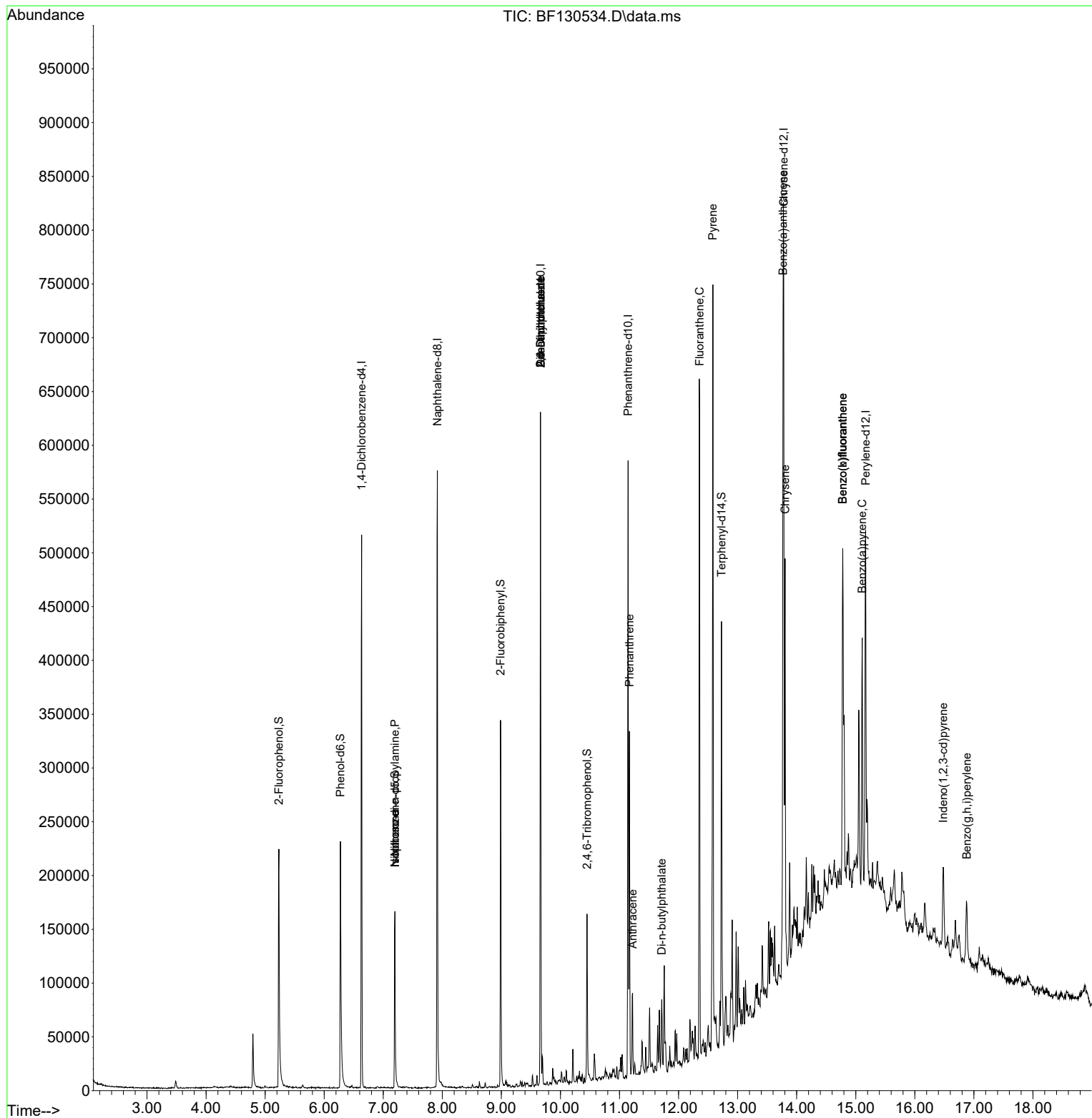
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.633	152	71500	20.000	ng	0.00
21) Naphthalene-d8	7.916	136	249950	20.000	ng	# 0.00
39) Acenaphthene-d10	9.663	164	110658	20.000	ng	0.00
64) Phenanthrene-d10	11.145	188	181543	20.000	ng	0.00
76) Chrysene-d12	13.780	240	188993	20.000	ng	0.00
86) Perylene-d12	15.168	264	145103	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.234	112	79870	19.375	ng	0.00
7) Phenol-d6	6.275	99	91499	17.739	ng	0.00
23) Nitrobenzene-d5	7.198	82	57496	11.752	ng	0.00
42) 2,4,6-Tribromophenol	10.451	330	17523	16.526	ng	0.00
45) 2-Fluorobiphenyl	8.986	172	101374	13.340	ng	0.00
79) Terphenyl-d14	12.727	244	112980	9.903	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.198	70	7583	2.179	ng	# 83
25) Isophorone	7.198	82	57505	7.292	ng	# 66
50) Dimethylphthalate	9.663	163	18941	2.478	ng	# 1
51) 2,6-Dinitrotoluene	9.663	165	14658	9.169	ng	# 16
57) 2,4-Dinitrotoluene	9.663	165	14658	7.175	ng	# 16
71) Phenanthrene	11.169	178	106638	10.462	ng	99
72) Anthracene	11.221	178	28692	2.917	ng	99
74) Di-n-butylphthalate	11.716	149	27310	2.551	ng	98
75) Fluoranthene	12.357	202	251524	25.538	ng	96
78) Pyrene	12.580	202	265988	16.088	ng	99
81) Benzo(a)anthracene	13.768	228	154070	12.254	ng	99
83) Chrysene	13.804	228	131273	10.996	ng	98
87) Indeno(1,2,3-cd)pyrene	16.480	276	45581	4.430	ng	96
88) Benzo(b)fluoranthene	14.780	252	210978	22.277	ng	99
89) Benzo(k)fluoranthene	14.780	252	210978	22.646	ng	99
90) Benzo(a)pyrene	15.109	252	96855	12.909	ng	98
92) Benzo(g,h,i)perylene	16.880	276	44125	5.189	ng	99

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

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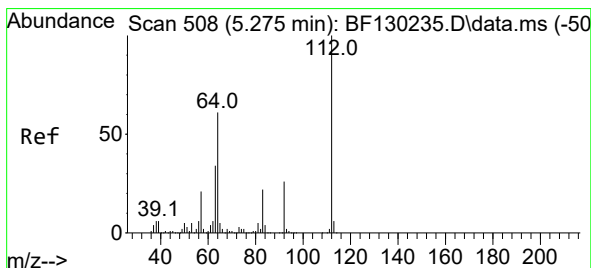
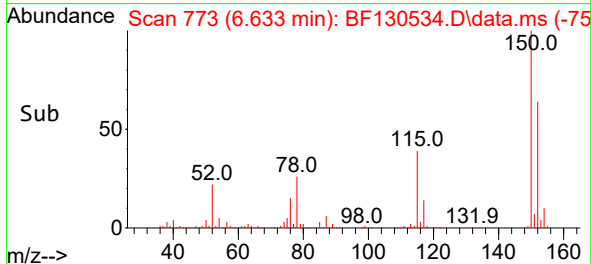
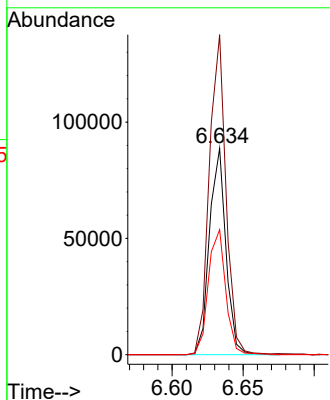
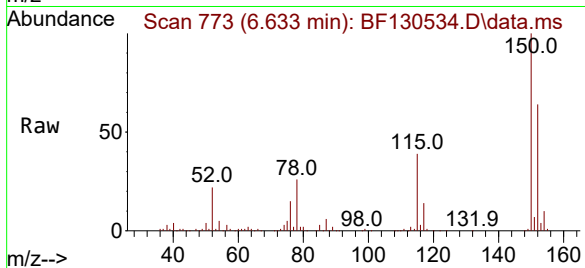




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.633 min Scan# 71
Delta R.T. -0.001 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

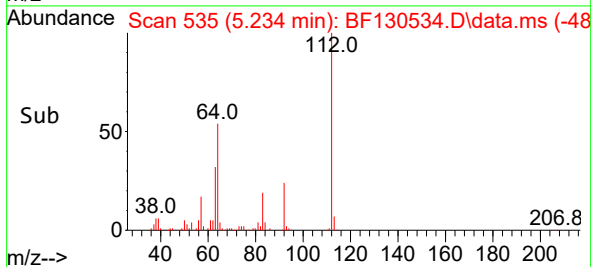
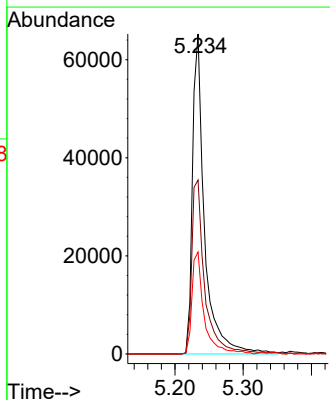
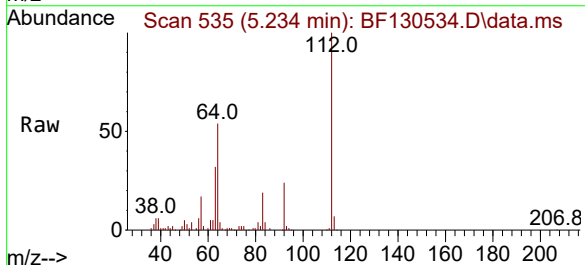
Instrument :
BNA_F
ClientSampleId :
PAT-03-100322

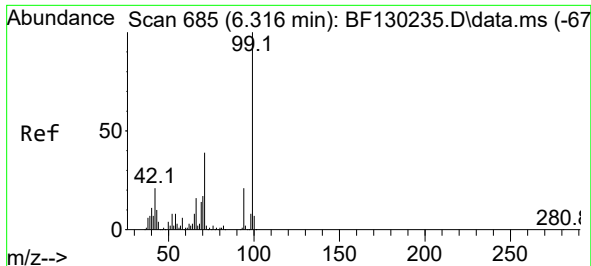
Tgt Ion:152 Resp: 71500
Ion Ratio Lower Upper
152 100
150 155.1 122.8 184.2
115 60.5 53.8 80.8



#5
2-Fluorophenol
Concen: 19.375 ng
RT: 5.234 min Scan# 535
Delta R.T. 0.006 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

Tgt Ion:112 Resp: 79870
Ion Ratio Lower Upper
112 100
64 54.4 51.4 77.0
63 31.9 28.8 43.2

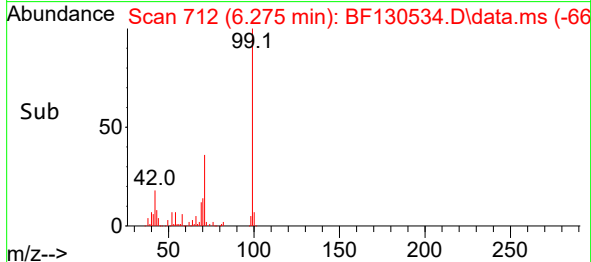
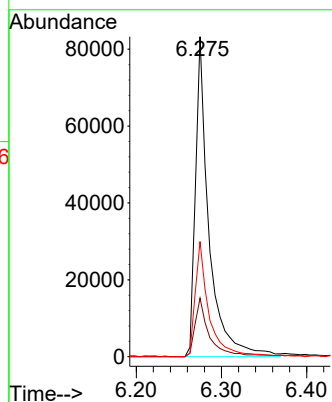
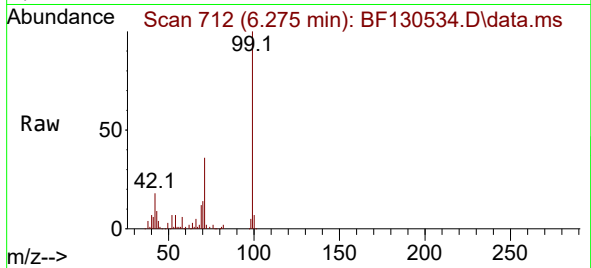




#7
Phenol-d6
Concen: 17.739 ng
RT: 6.275 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

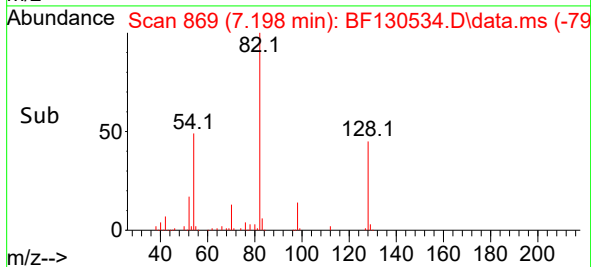
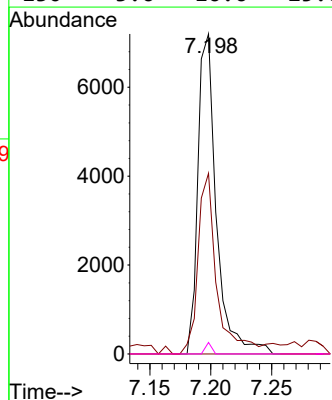
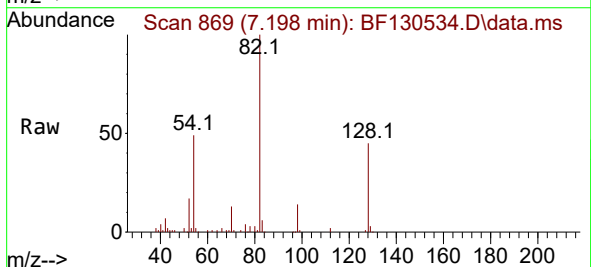
Instrument :
BNA_F
ClientSampleId :
PAT-03-100322

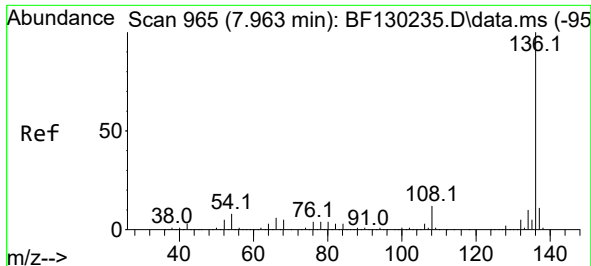
Tgt Ion: 99 Resp: 91499
Ion Ratio Lower Upper
99 100
42 18.3 17.0 25.6
71 36.0 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.179 ng
RT: 7.198 min Scan# 869
Delta R.T. 0.141 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

Tgt Ion: 70 Resp: 7583
Ion Ratio Lower Upper
70 100
42 56.5 50.8 76.2
101 0.0 8.2 12.4#
130 3.6 16.6 25.0#

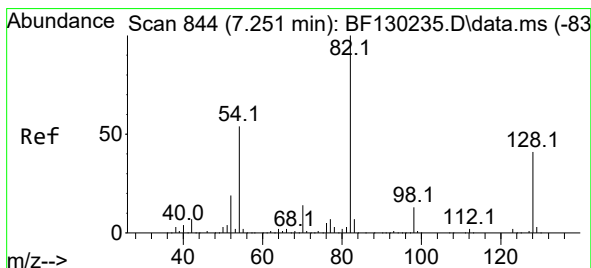
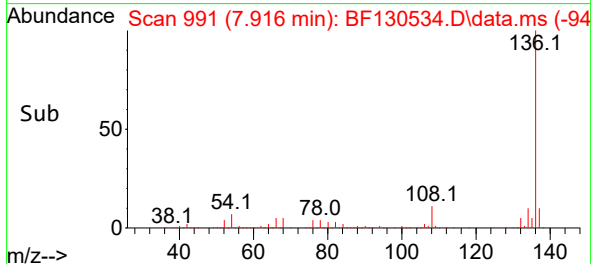
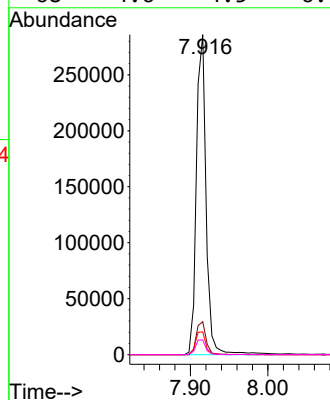
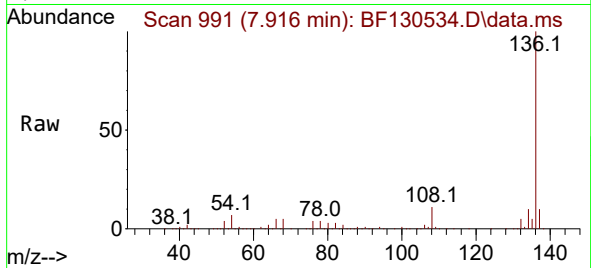




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.916 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

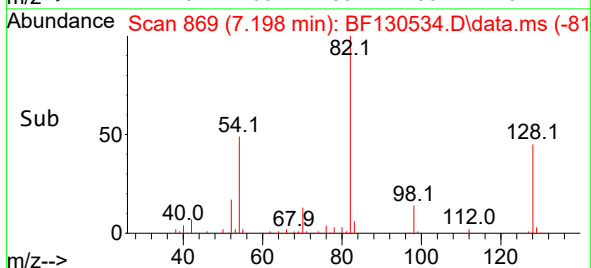
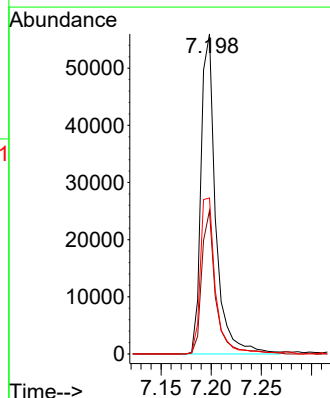
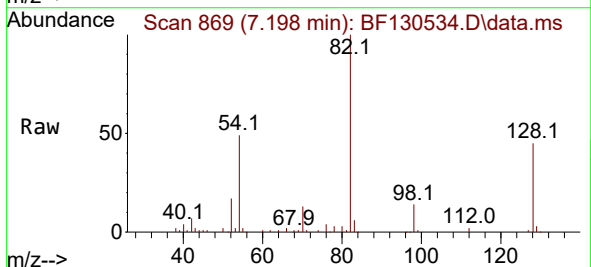
Instrument :
BNA_F
ClientSampleId :
PAT-03-100322

Tgt Ion:136 Resp: 249950
Ion Ratio Lower Upper
136 100
137 10.3 9.1 13.7
54 7.1 7.1 10.7#
68 4.6 4.5 6.7



#23
Nitrobenzene-d5
Concen: 11.752 ng
RT: 7.198 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

Tgt Ion: 82 Resp: 57496
Ion Ratio Lower Upper
82 100
128 44.8 32.6 49.0
54 48.7 43.8 65.6

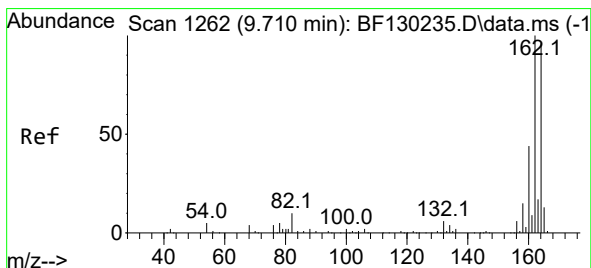
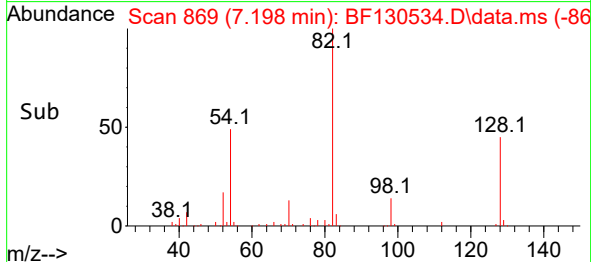
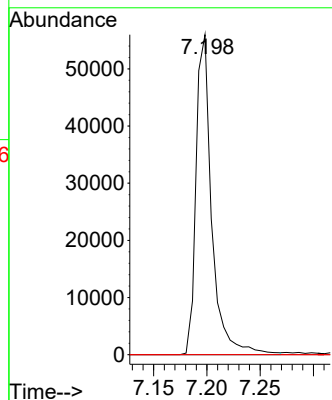
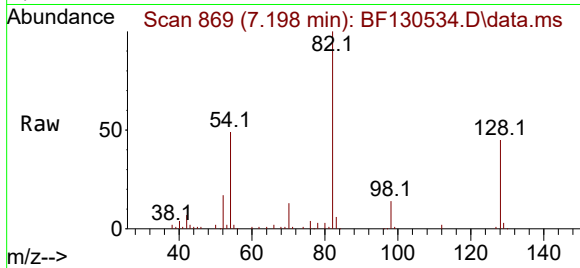




#25
Isophorone
Concen: 7.292 ng
RT: 7.198 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

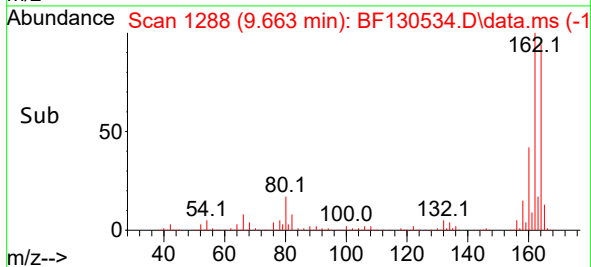
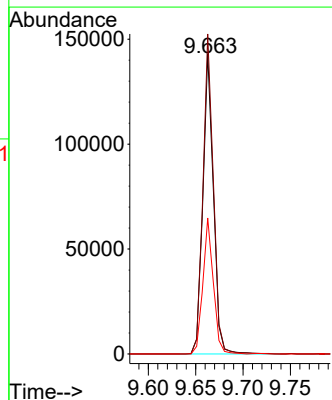
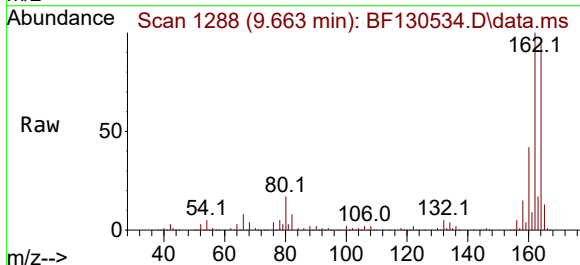
Instrument :
BNA_F
ClientSampleId :
PAT-03-100322

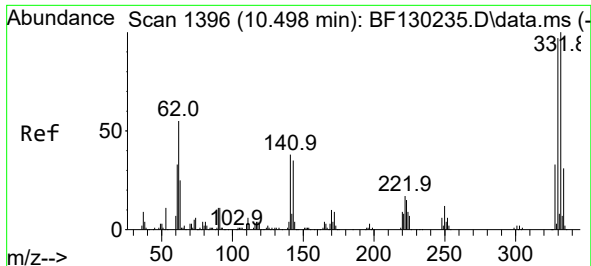
Tgt Ion: 82 Resp: 57505
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.663 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

Tgt Ion: 164 Resp: 110658
Ion Ratio Lower Upper
164 100
162 106.5 81.4 122.0
160 45.3 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 16.526 ng

RT: 10.451 min Scan# 1422

Delta R.T. -0.006 min

Lab File: BF130534.D

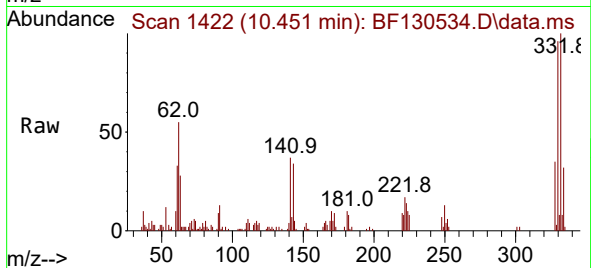
Acq: 05 Oct 2022 17:35

Instrument :

BNA_F

ClientSampleId :

PAT-03-100322



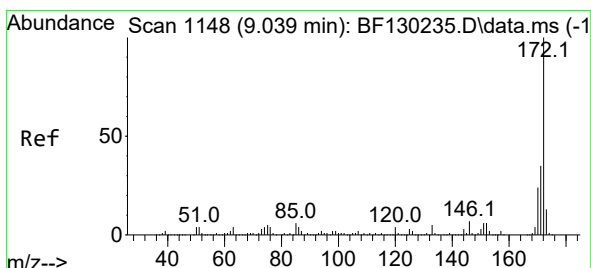
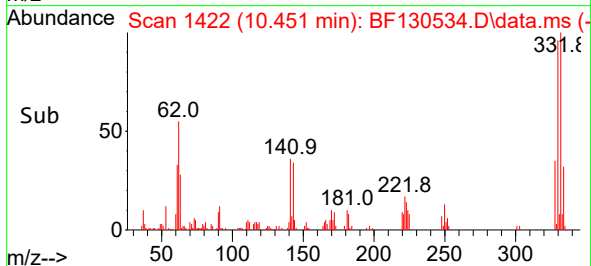
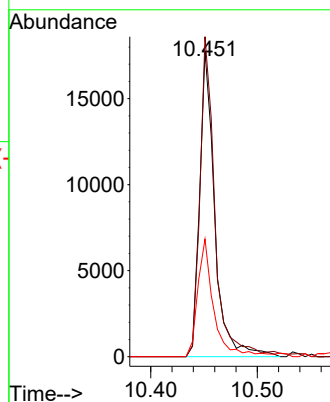
Tgt Ion:330 Resp: 17523

Ion Ratio Lower Upper

330 100

332 105.3 83.4 125.2

141 40.7 34.0 51.0



#45

2-Fluorobiphenyl

Concen: 13.340 ng

RT: 8.986 min Scan# 1173

Delta R.T. -0.006 min

Lab File: BF130534.D

Acq: 05 Oct 2022 17:35

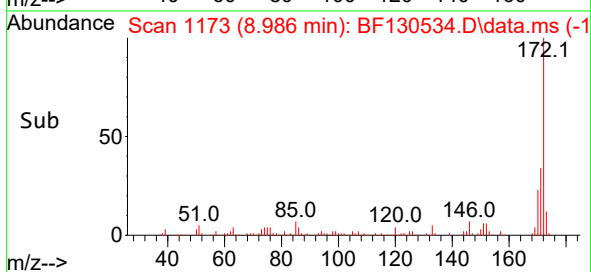
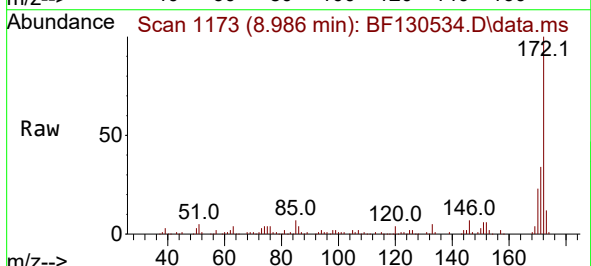
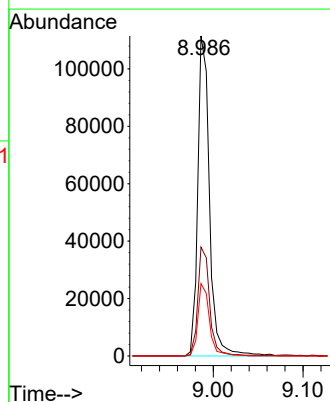
Tgt Ion:172 Resp: 101374

Ion Ratio Lower Upper

172 100

171 34.0 28.3 42.5

170 22.6 18.7 28.1

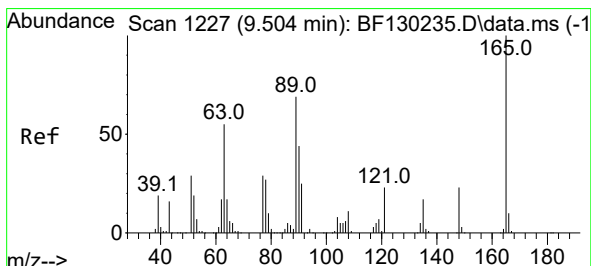
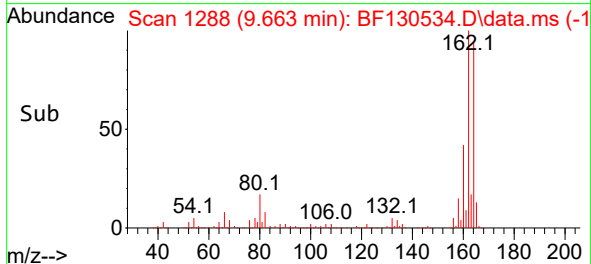
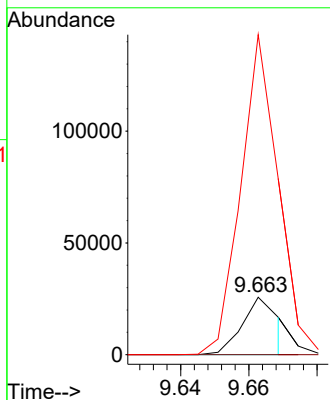
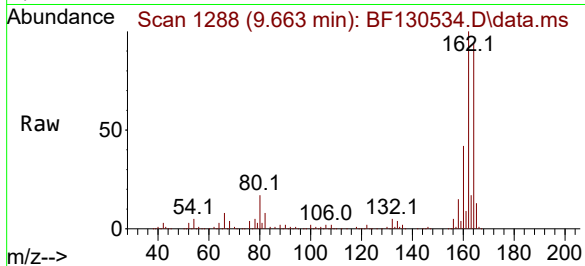




#50
Dimethylphthalate
Concen: 2.478 ng
RT: 9.663 min Scan# 1288
Delta R.T. 0.265 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

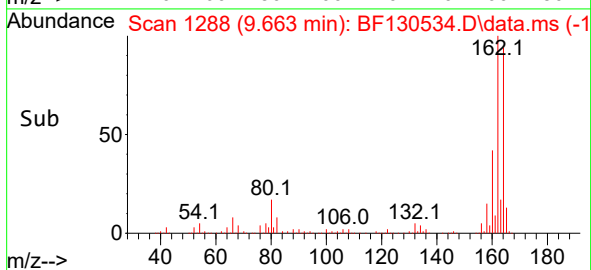
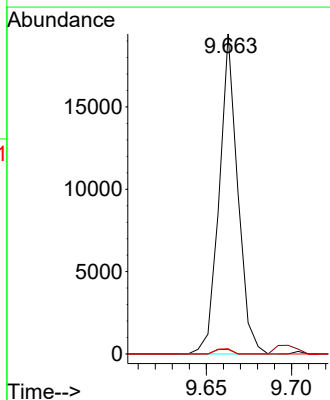
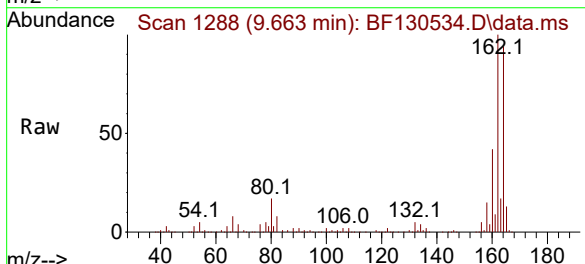
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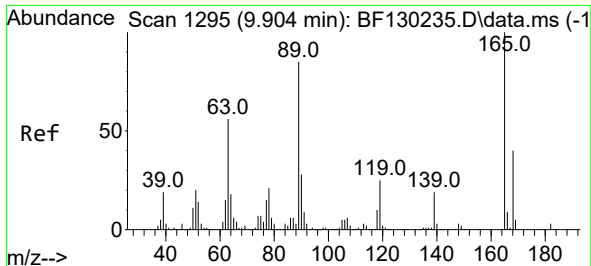
Tgt Ion:163 Resp: 18941
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 556.5 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 9.169 ng
RT: 9.663 min Scan# 1288
Delta R.T. 0.200 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

Tgt Ion:165 Resp: 14658
Ion Ratio Lower Upper
165 100
63 1.4 58.8 88.2#
89 1.6 54.5 81.7#

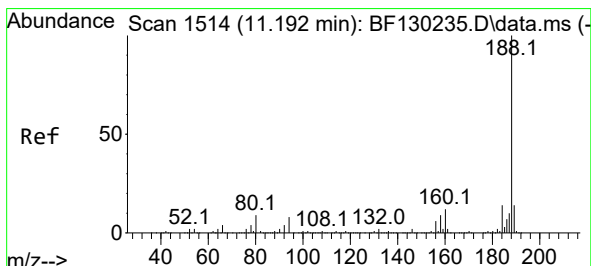
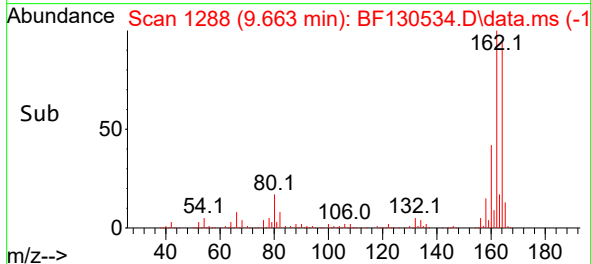
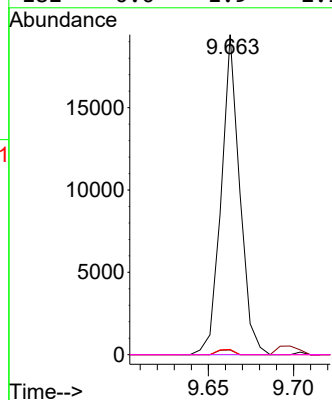
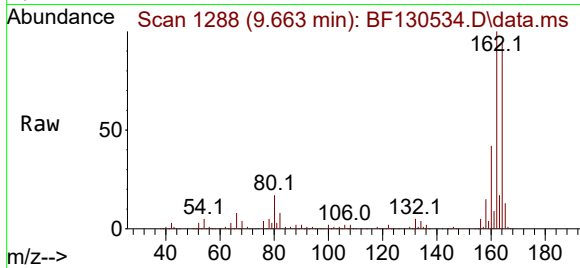




#57
2,4-Dinitrotoluene
Concen: 7.175 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

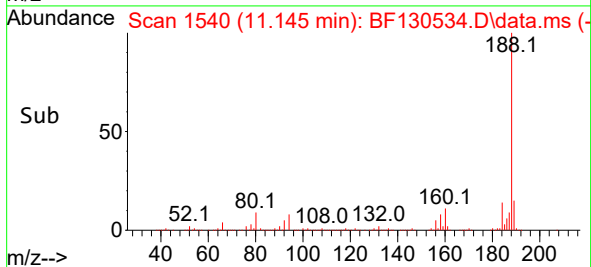
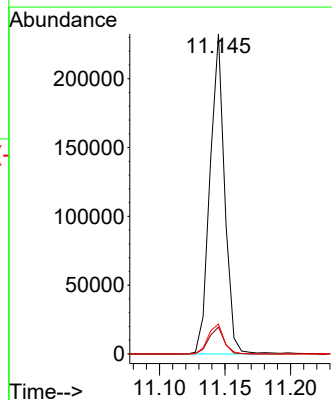
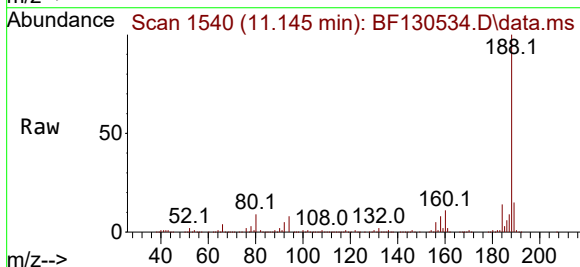
Instrument :
BNA_F
ClientSampleId :
PAT-03-100322

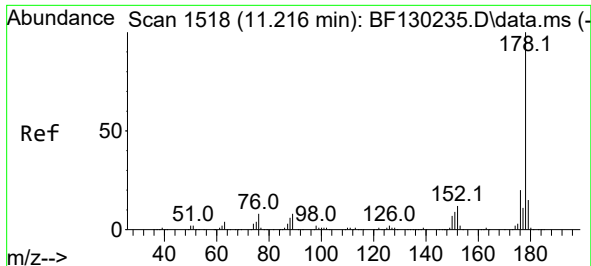
Tgt Ion:165	Resp:	14658
Ion Ratio	Lower	Upper
165	100	
63	1.4	44.7 67.1#
89	1.6	69.0 103.4#
182	0.0	1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.145 min Scan# 1540
Delta R.T. -0.000 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

Tgt Ion:188	Resp:	181543
Ion Ratio	Lower	Upper
188	100	
94	8.4	7.4 11.2
80	9.4	7.9 11.9

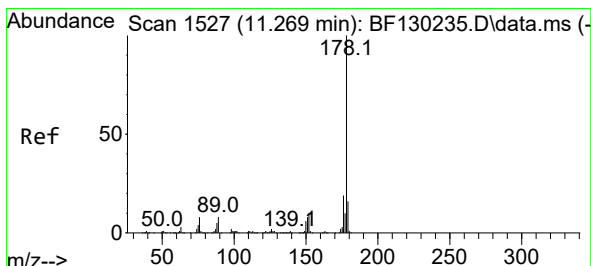
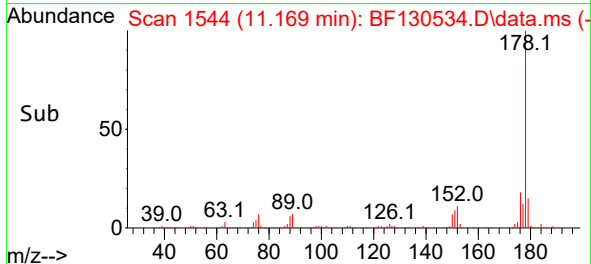
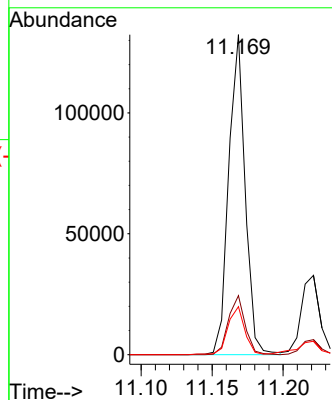
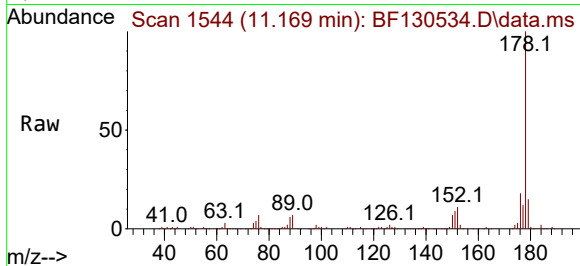




#71
Phenanthrene
Concen: 10.462 ng
RT: 11.169 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

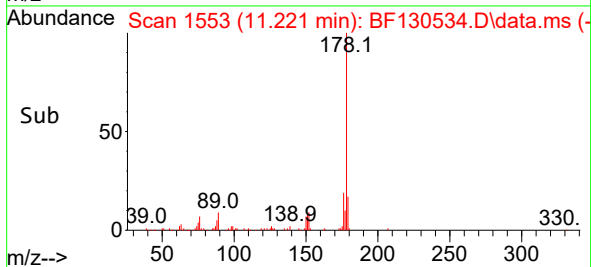
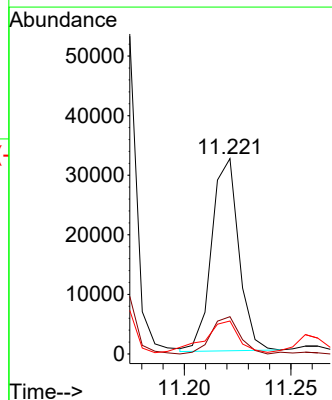
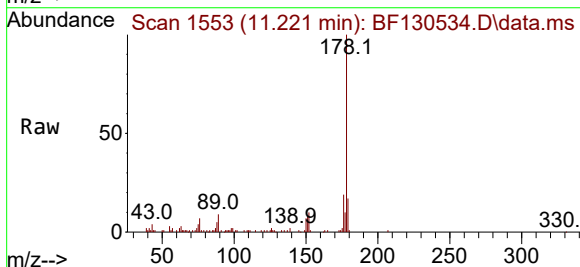
Instrument :
BNA_F
ClientSampleId :
PAT-03-100322

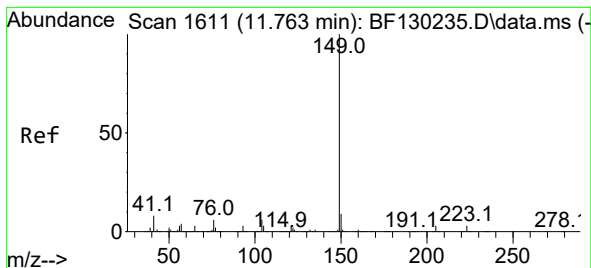
Tgt Ion:178 Resp: 106638
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.0 12.4 18.6



#72
Anthracene
Concen: 2.917 ng
RT: 11.221 min Scan# 1553
Delta R.T. -0.000 min
Lab File: BF130534.D
Acq: 05 Oct 2022 17:35

Tgt Ion:178 Resp: 28692
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 16.9 12.7 19.1





#74

Di-n-butylphthalate

Concen: 2.551 ng

RT: 11.716 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130534.D

Acq: 05 Oct 2022 17:35

Instrument :

BNA_F

ClientSampleId :

PAT-03-100322

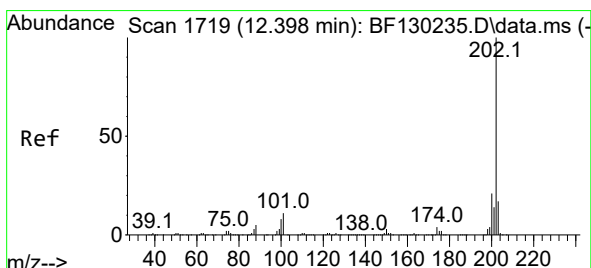
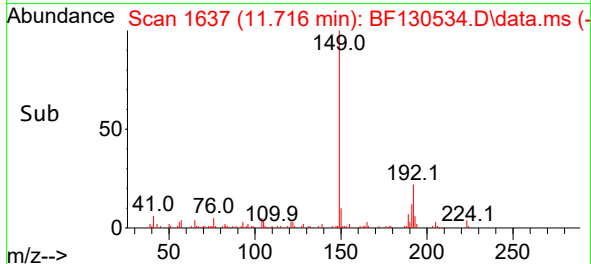
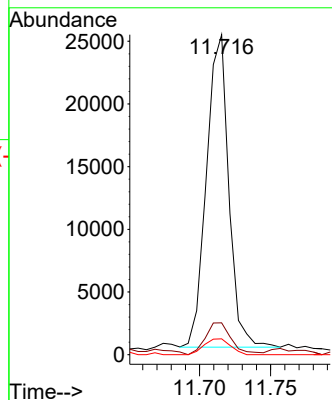
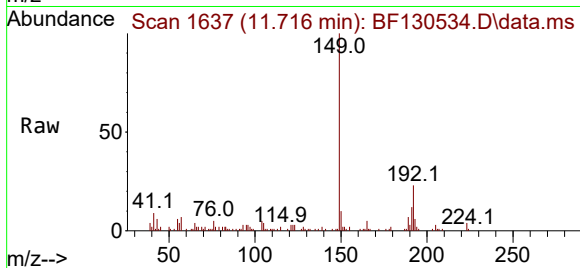
Tgt Ion:149 Resp: 27310

Ion Ratio Lower Upper

149 100

150 9.9 7.4 11.2

104 5.0 4.8 7.2



#75

Fluoranthene

Concen: 25.538 ng

RT: 12.357 min Scan# 1746

Delta R.T. -0.000 min

Lab File: BF130534.D

Acq: 05 Oct 2022 17:35

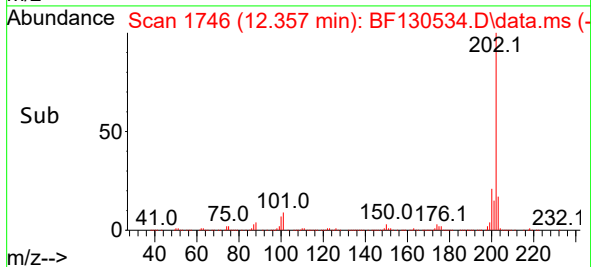
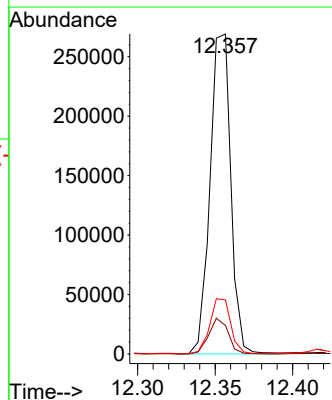
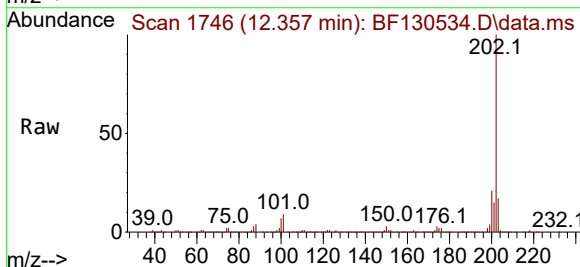
Tgt Ion:202 Resp: 251524

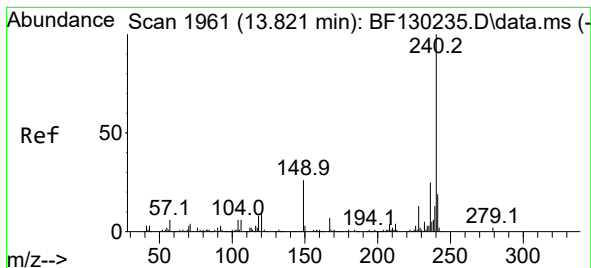
Ion Ratio Lower Upper

202 100

101 8.9 0.0 31.8

203 16.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.780 min Scan# 1961

Delta R.T. 0.006 min

Lab File: BF130534.D

Acq: 05 Oct 2022 17:35

Instrument :

BNA_F

ClientSampleId :

PAT-03-100322

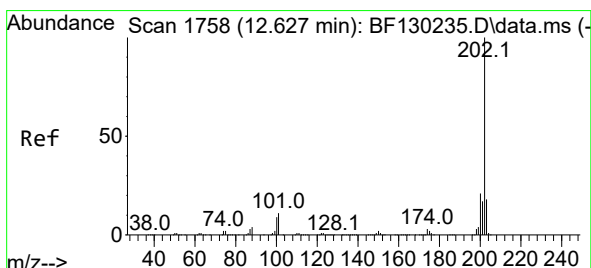
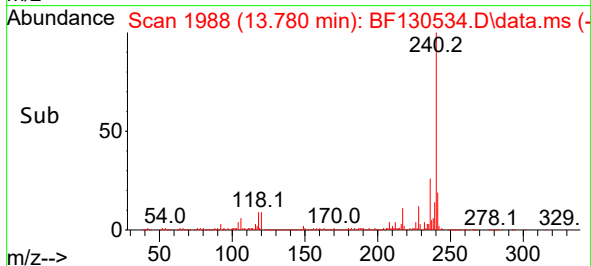
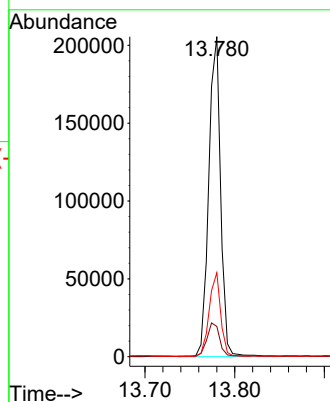
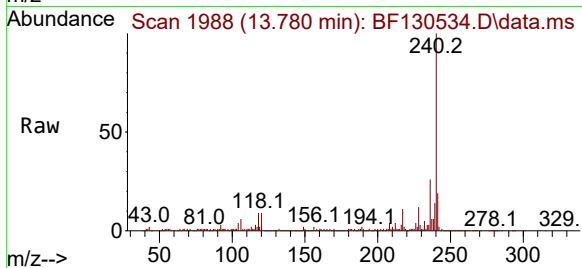
Tgt Ion:240 Resp: 188993

Ion Ratio Lower Upper

240 100

120 9.5 8.7 13.1

236 26.2 20.9 31.3



#78

Pyrene

Concen: 16.088 ng

RT: 12.580 min Scan# 1784

Delta R.T. -0.000 min

Lab File: BF130534.D

Acq: 05 Oct 2022 17:35

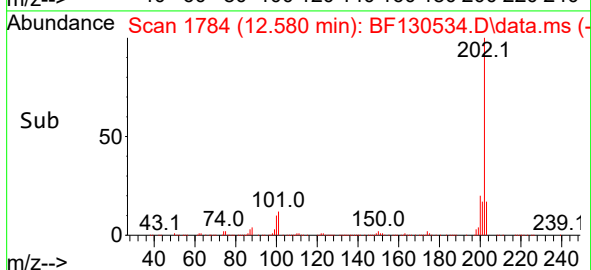
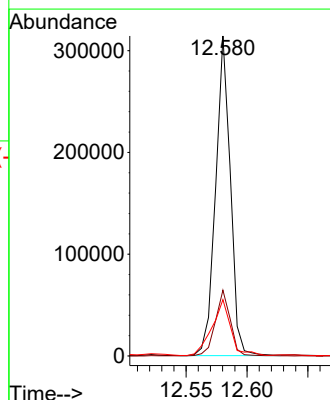
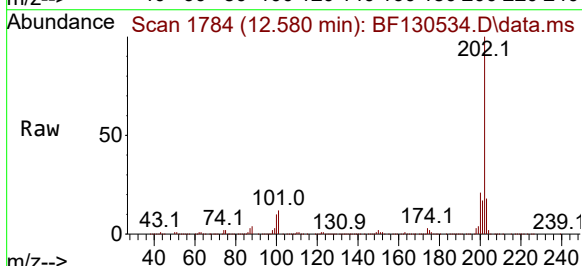
Tgt Ion:202 Resp: 265988

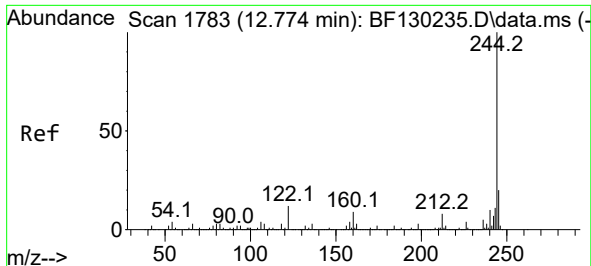
Ion Ratio Lower Upper

202 100

200 20.5 17.2 25.8

203 17.6 14.3 21.5

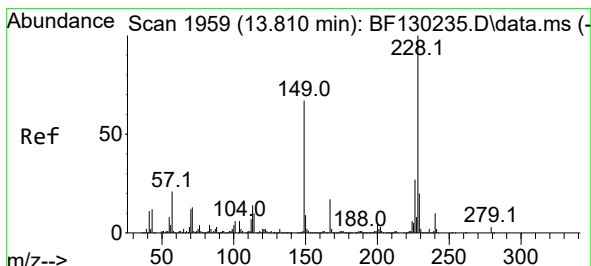
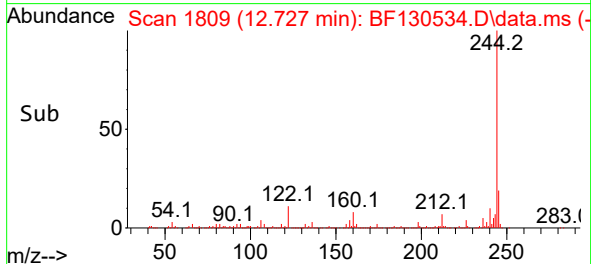
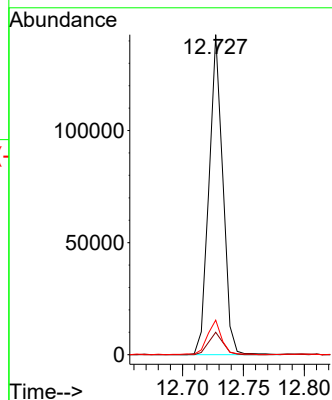
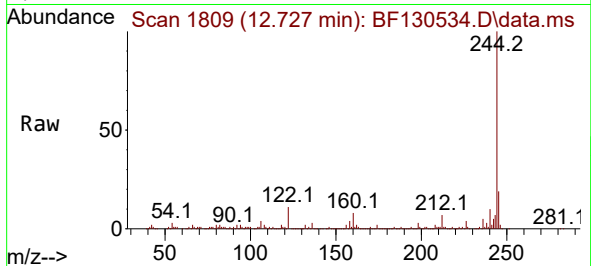




#79
 Terphenyl-d14
 Concen: 9.903 ng
 RT: 12.727 min Scan# 1809
 Delta R.T. -0.006 min
 Lab File: BF130534.D
 Acq: 05 Oct 2022 17:35

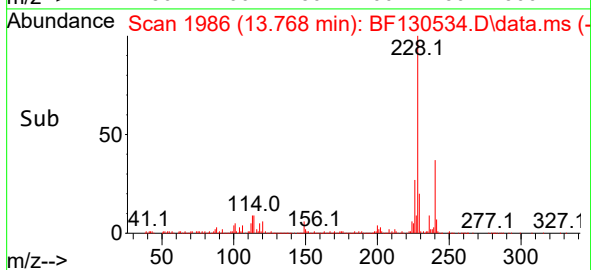
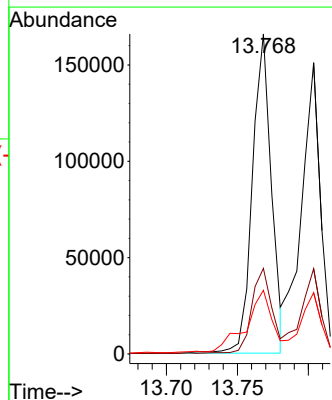
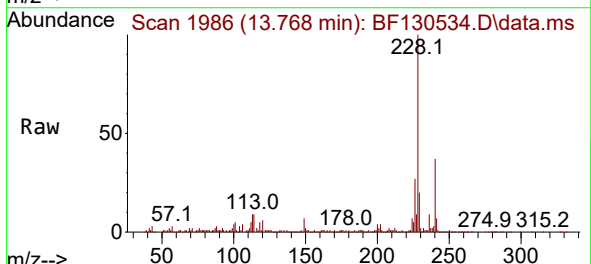
Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-100322

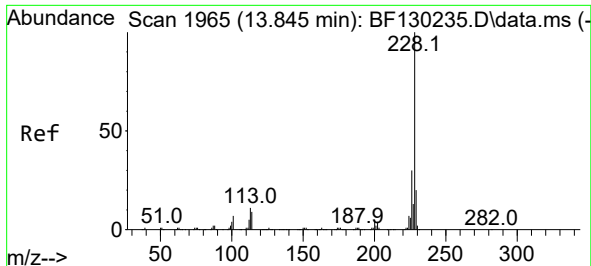
Tgt Ion:244 Resp: 112980
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 10.8 8.5 12.7



#81
 Benzo(a)anthracene
 Concen: 12.254 ng
 RT: 13.768 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: BF130534.D
 Acq: 05 Oct 2022 17:35

Tgt Ion:228 Resp: 154070
 Ion Ratio Lower Upper
 228 100
 226 26.8 21.9 32.9
 229 19.9 16.1 24.1





#83

Chrysene

Concen: 10.996 ng

RT: 13.804 min Scan# 1965

Delta R.T. -0.000 min

Lab File: BF130534.D

Acq: 05 Oct 2022 17:35

Instrument :

BNA_F

ClientSampleId :

PAT-03-100322

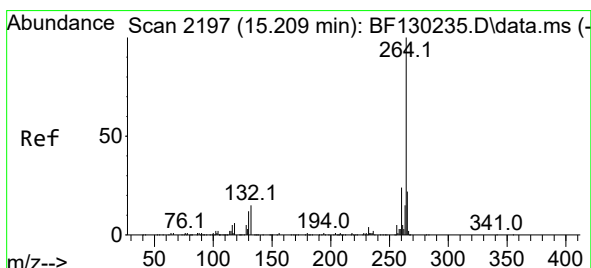
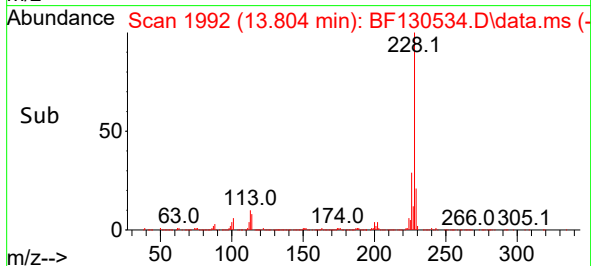
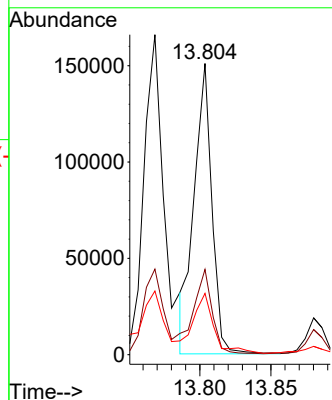
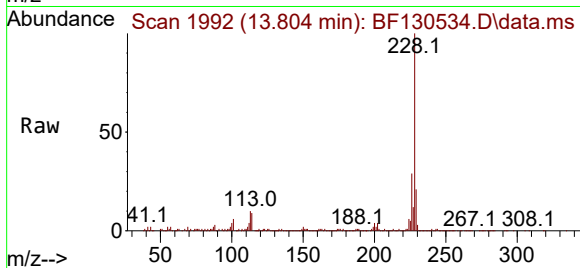
Tgt Ion:228 Resp: 131273

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.8

229 21.1 15.3 22.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.168 min Scan# 2224

Delta R.T. 0.006 min

Lab File: BF130534.D

Acq: 05 Oct 2022 17:35

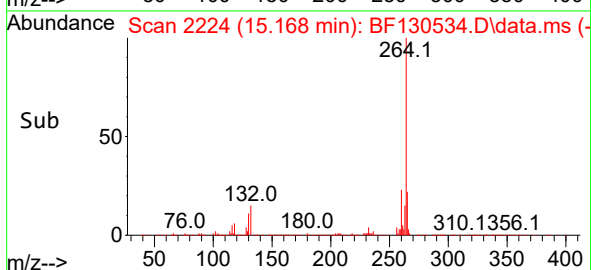
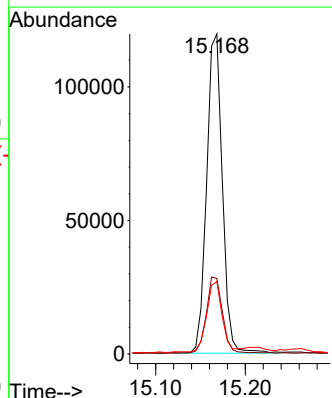
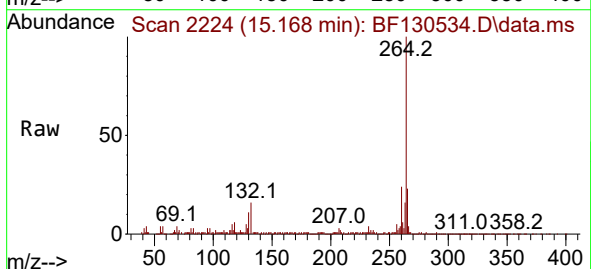
Tgt Ion:264 Resp: 145103

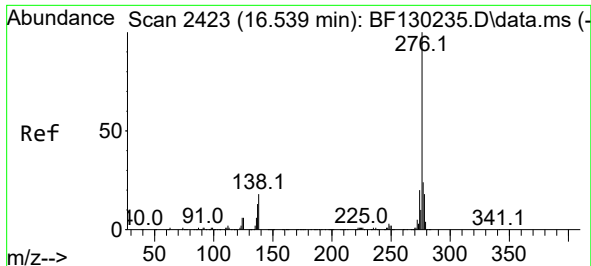
Ion Ratio Lower Upper

264 100

260 23.6 19.3 28.9

265 22.7 17.0 25.4

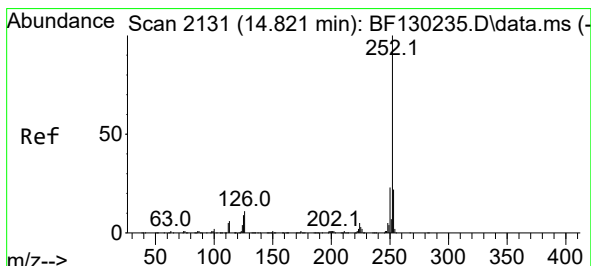
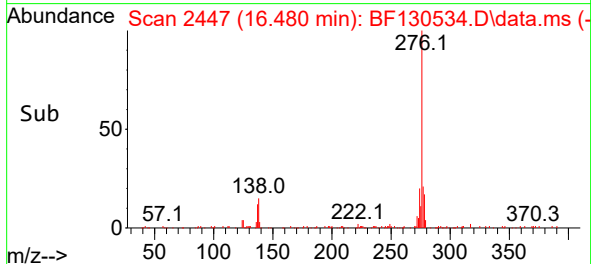
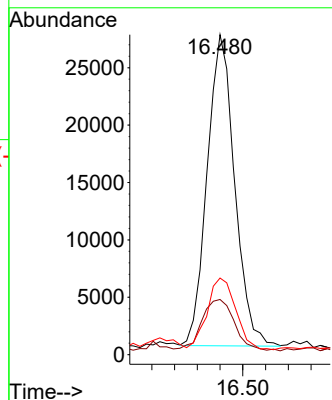
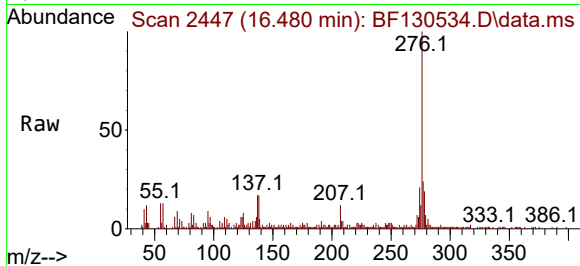




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.430 ng
 RT: 16.480 min Scan# 2423
 Delta R.T. -0.000 min
 Lab File: BF130534.D
 Acq: 05 Oct 2022 17:35

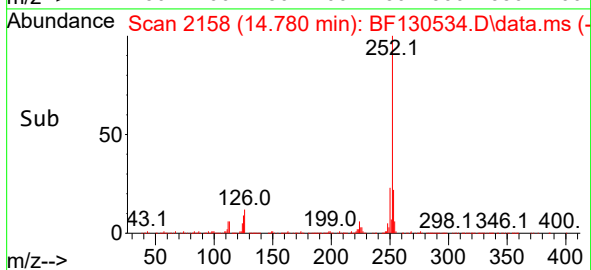
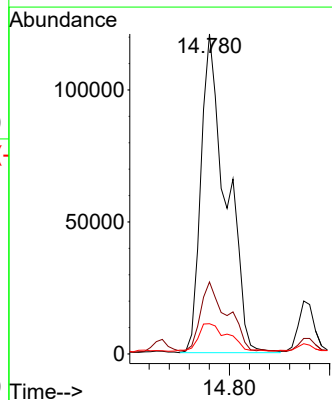
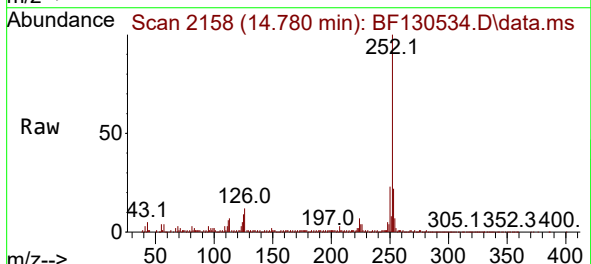
Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-100322

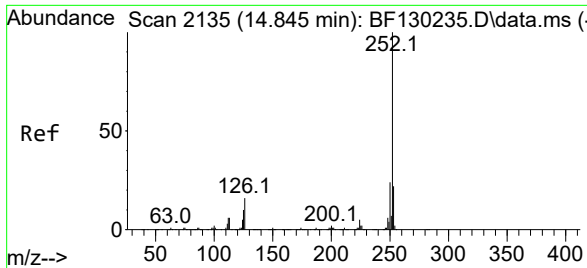
Tgt Ion:276 Resp: 45581
 Ion Ratio Lower Upper
 276 100
 138 20.2 18.5 27.7
 277 24.6 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 22.277 ng
 RT: 14.780 min Scan# 2158
 Delta R.T. 0.006 min
 Lab File: BF130534.D
 Acq: 05 Oct 2022 17:35

Tgt Ion:252 Resp: 210978
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.7 26.5
 125 9.5 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 22.646 ng

RT: 14.780 min Scan# 2114

Delta R.T. -0.024 min

Lab File: BF130534.D

Acq: 05 Oct 2022 17:35

Instrument :

BNA_F

ClientSampleId :

PAT-03-100322

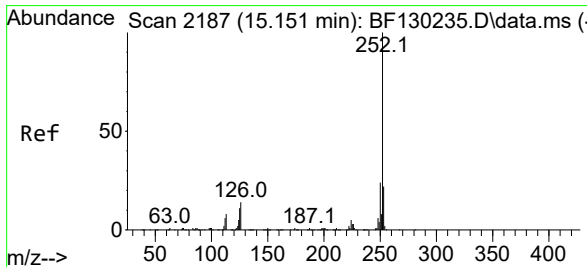
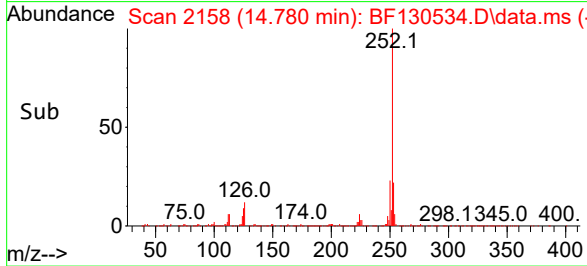
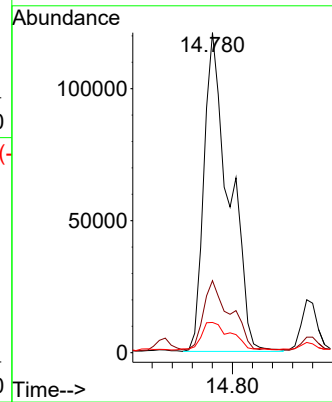
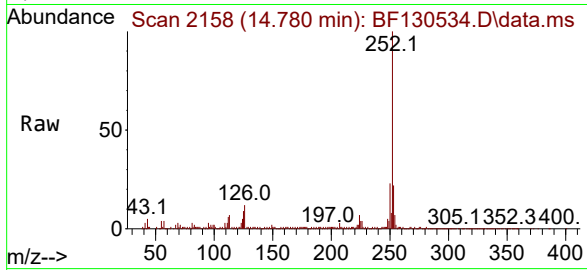
Tgt Ion:252 Resp: 210978

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

125 9.5 7.9 11.9



#90

Benzo(a)pyrene

Concen: 12.909 ng

RT: 15.109 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF130534.D

Acq: 05 Oct 2022 17:35

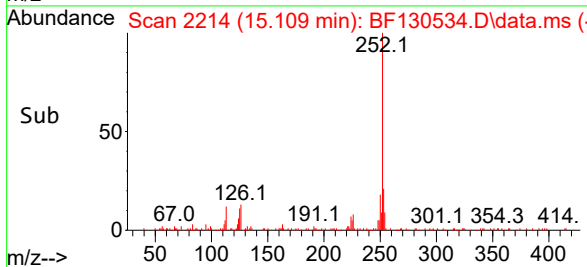
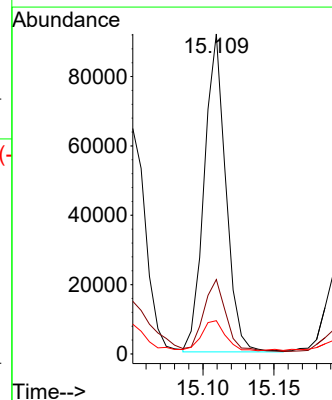
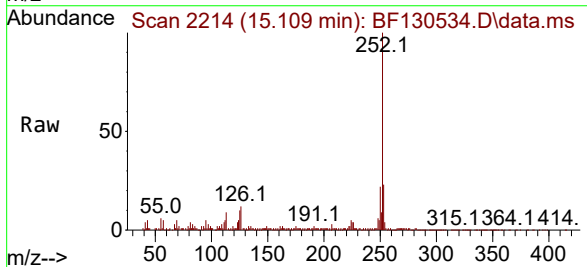
Tgt Ion:252 Resp: 96855

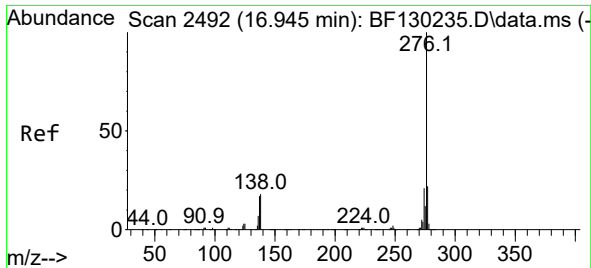
Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

125 10.4 9.0 13.6





#92

Benzo(g,h,i)perylene

Concen: 5.189 ng

RT: 16.880 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130534.D

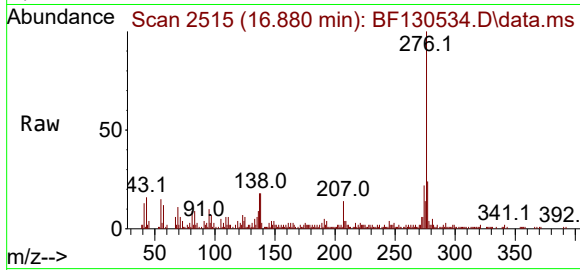
Acq: 05 Oct 2022 17:35

Instrument :

BNA_F

ClientSampleId :

PAT-03-100322



Tgt Ion:276 Resp: 44125

Ion Ratio Lower Upper

276 100

277 24.0 18.6 27.8

138 18.2 14.6 21.8

