

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100522\
 Data File : BF130535.D
 Acq On : 05 Oct 2022 18:07
 Operator : CG\JU
 Sample : N4960-03 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-02-100322

Quant Time: Oct 06 01:12:29 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

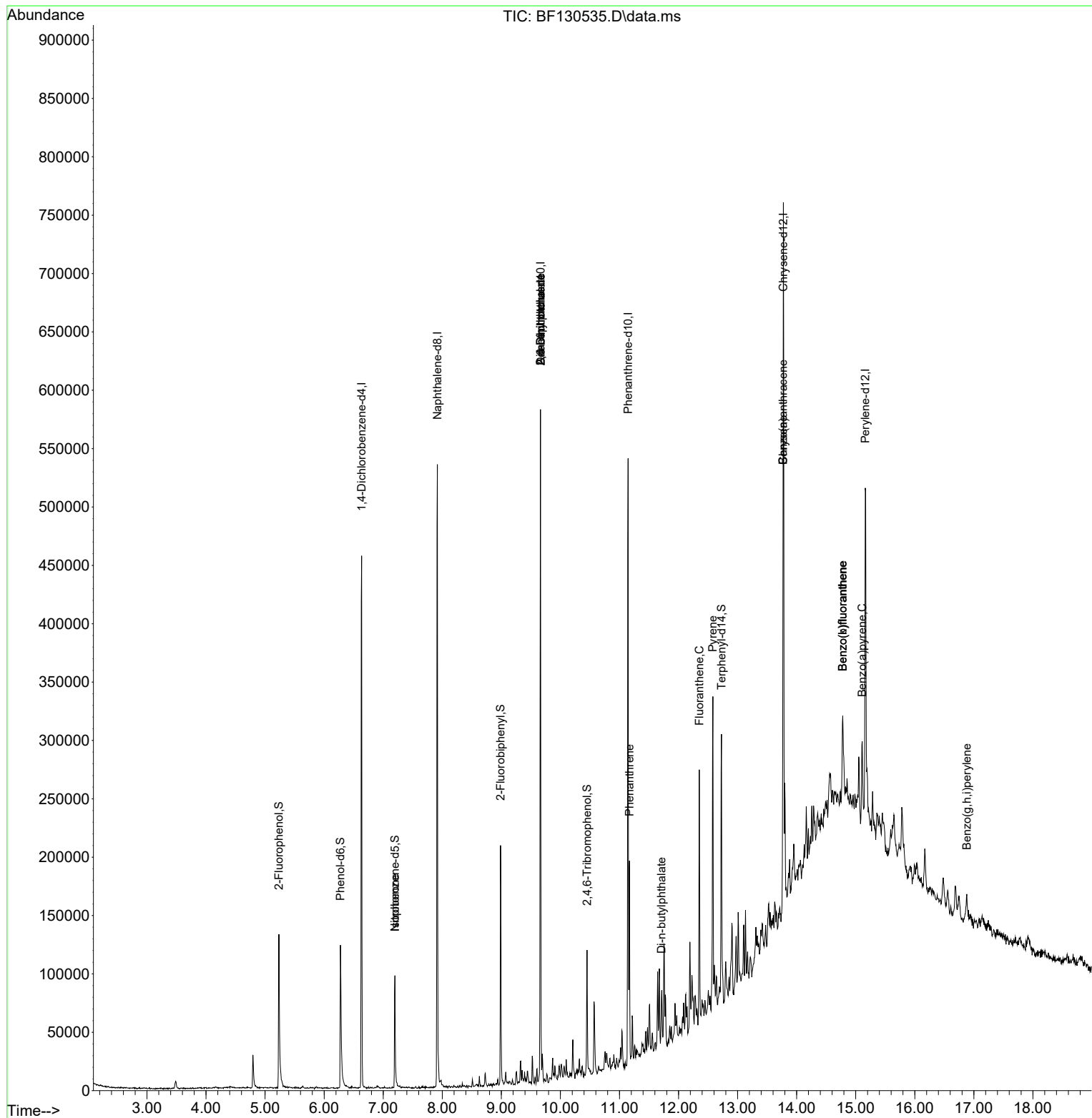
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.634	152	67069	20.000	ng	0.00
21) Naphthalene-d8	7.916	136	233374	20.000	ng	# 0.00
39) Acenaphthene-d10	9.663	164	104480	20.000	ng	0.00
64) Phenanthrene-d10	11.145	188	174840	20.000	ng	0.00
76) Chrysene-d12	13.775	240	178252	20.000	ng	0.00
86) Perylene-d12	15.163	264	128045	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.234	112	46840	12.113	ng	0.00
7) Phenol-d6	6.275	99	56554	11.689	ng	0.00
23) Nitrobenzene-d5	7.199	82	32971	7.218	ng	0.00
42) 2,4,6-Tribromophenol	10.451	330	11429	11.416	ng	0.00
45) 2-Fluorobiphenyl	8.987	172	59977	8.359	ng	0.00
79) Terphenyl-d14	12.728	244	70984	6.597	ng	0.00
Target Compounds						
25) Isophorone	7.199	82	32970	4.478	ng	# 66
50) Dimethylphthalate	9.663	163	18355	2.543	ng	# 1
51) 2,6-Dinitrotoluene	9.663	165	13724	9.093	ng	# 17
57) 2,4-Dinitrotoluene	9.663	165	13724	7.115	ng	# 17
71) Phenanthrene	11.169	178	59607	6.072	ng	98
74) Di-n-butylphthalate	11.710	149	21246	2.061	ng	99
75) Fluoranthene	12.351	202	75712	7.982	ng	97
78) Pyrene	12.581	202	104858	6.724	ng	97
81) Benzo(a)anthracene	13.769	228	44037	3.714	ng	94
83) Chrysene	13.769	228	44037	3.911	ng	96
88) Benzo(b)fluoranthene	14.780	252	47922	5.734	ng	# 92
89) Benzo(k)fluoranthene	14.780	252	47922	5.829	ng	# 91
90) Benzo(a)pyrene	15.110	252	27117	4.096	ng	# 96
92) Benzo(g,h,i)perylene	16.880	276	15874	2.115	ng	# 92

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

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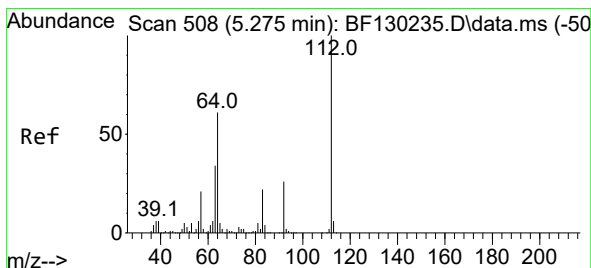
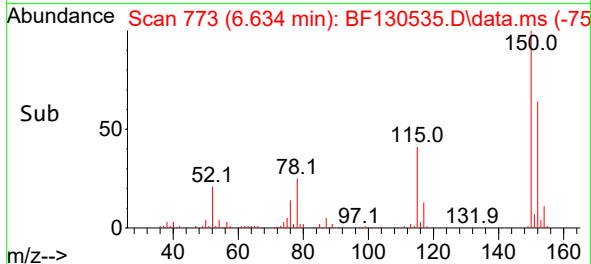
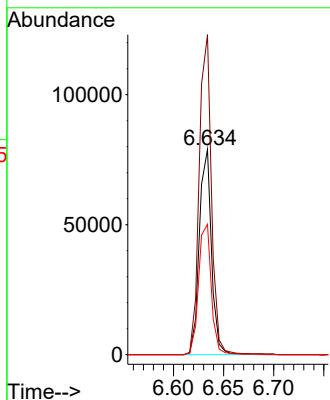
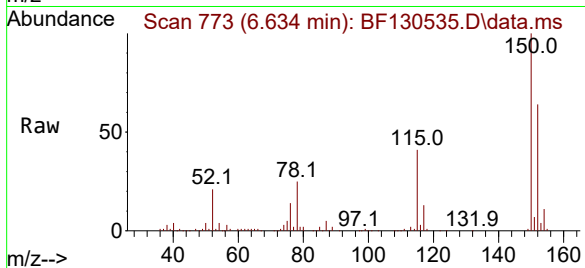




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.634 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130535.D
Acq: 05 Oct 2022 18:07

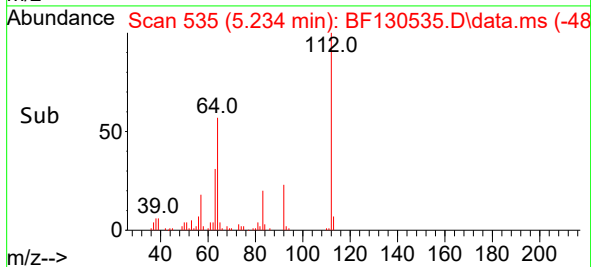
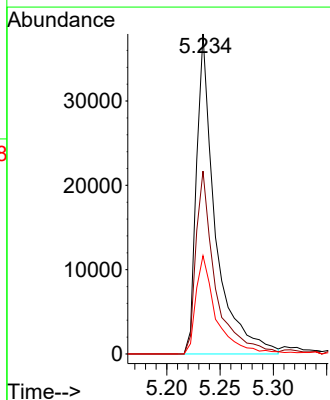
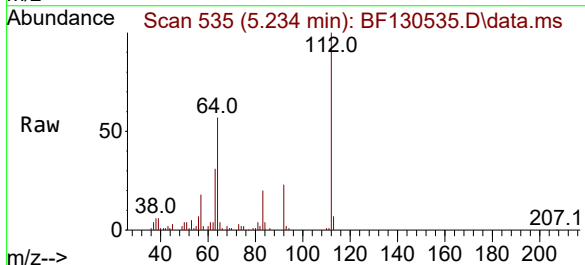
Instrument :
BNA_F
ClientSampleId :
PAT-02-100322

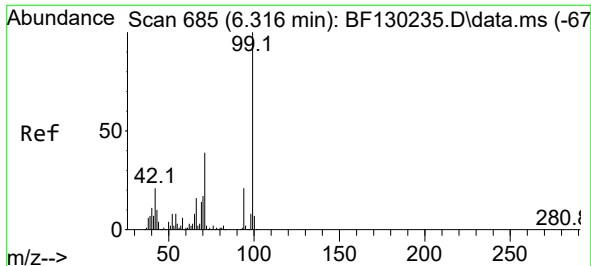
Tgt Ion:152 Resp: 67069
Ion Ratio Lower Upper
152 100
150 155.9 122.8 184.2
115 63.5 53.8 80.8



#5
2-Fluorophenol
Concen: 12.113 ng
RT: 5.234 min Scan# 535
Delta R.T. 0.006 min
Lab File: BF130535.D
Acq: 05 Oct 2022 18:07

Tgt Ion:112 Resp: 46840
Ion Ratio Lower Upper
112 100
64 57.2 51.4 77.0
63 30.7 28.8 43.2

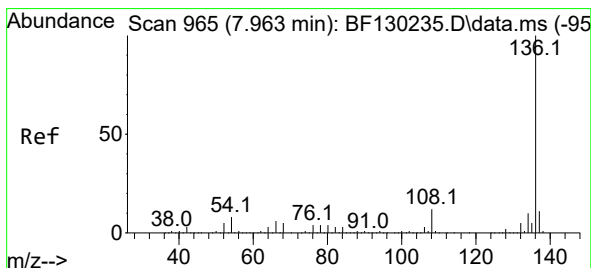
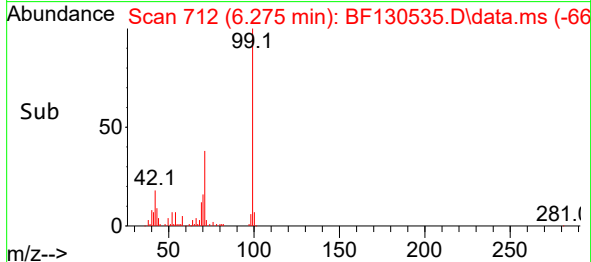
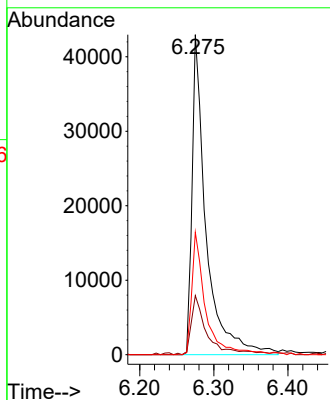
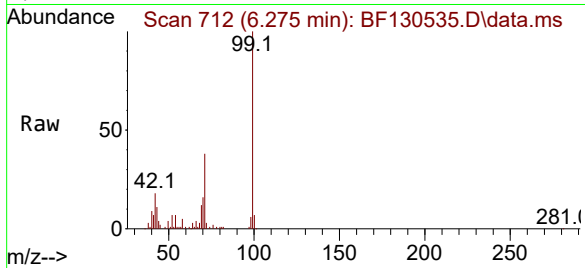




#7
Phenol-d6
Concen: 11.689 ng
RT: 6.275 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130535.D
Acq: 05 Oct 2022 18:07

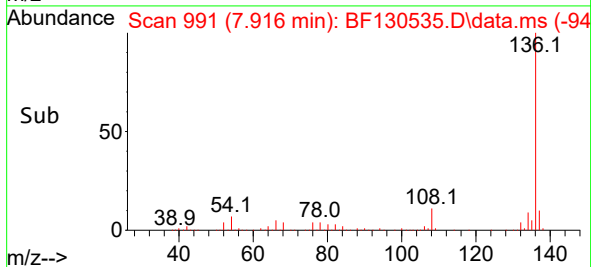
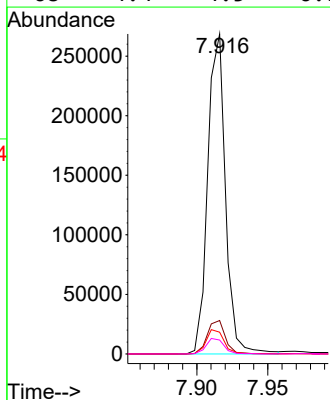
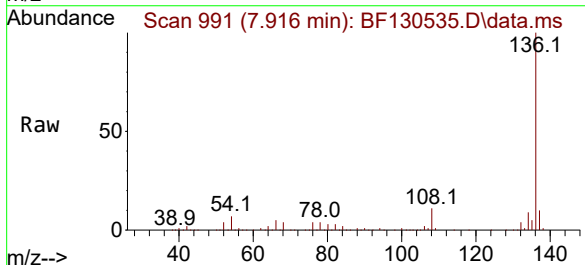
Instrument :
BNA_F
ClientSampleId :
PAT-02-100322

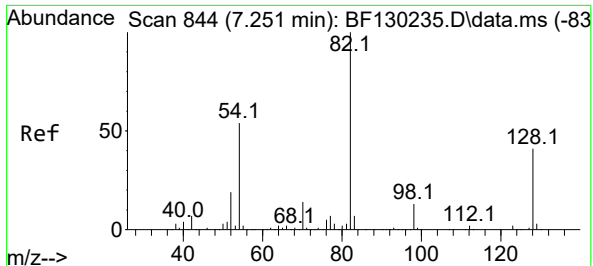
Tgt Ion: 99 Resp: 56554
Ion Ratio Lower Upper
99 100
42 18.5 17.0 25.6
71 38.3 32.3 48.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.916 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF130535.D
Acq: 05 Oct 2022 18:07

Tgt Ion:136 Resp: 233374
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 6.8 7.1 10.7#
68 4.4 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 7.218 ng

RT: 7.199 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF130535.D

Acq: 05 Oct 2022 18:07

Instrument :

BNA_F

ClientSampleId :

PAT-02-100322

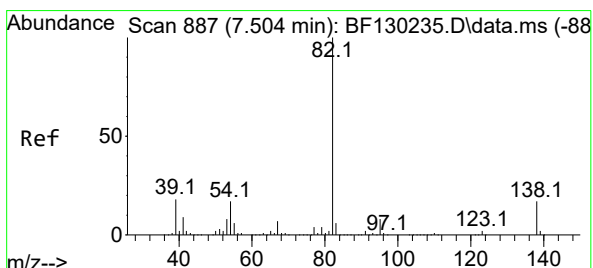
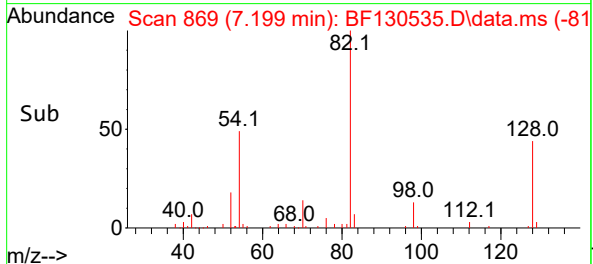
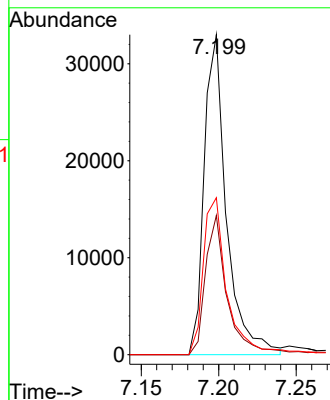
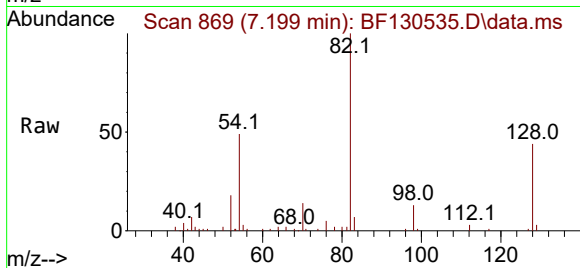
Tgt Ion: 82 Resp: 32971

Ion Ratio Lower Upper

82 100

128 43.5 32.6 49.0

54 49.1 43.8 65.6



#25

Isophorone

Concen: 4.478 ng

RT: 7.199 min Scan# 869

Delta R.T. -0.264 min

Lab File: BF130535.D

Acq: 05 Oct 2022 18:07

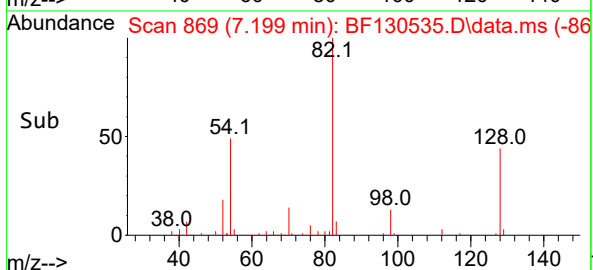
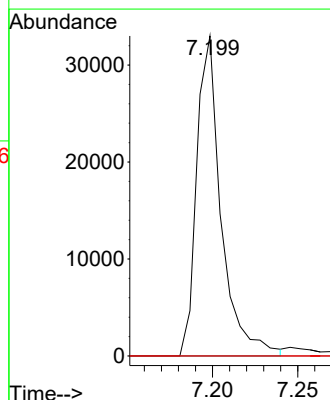
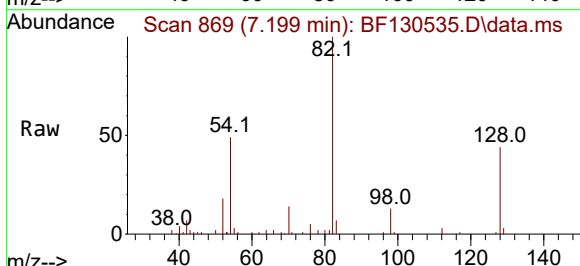
Tgt Ion: 82 Resp: 32970

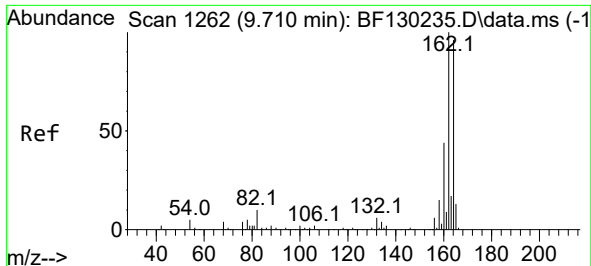
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF130535.D

Acq: 05 Oct 2022 18:07

Instrument :

BNA_F

ClientSampleId :

PAT-02-100322

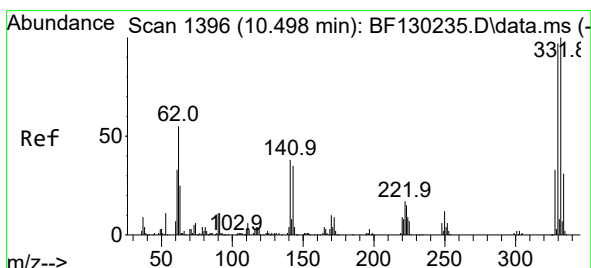
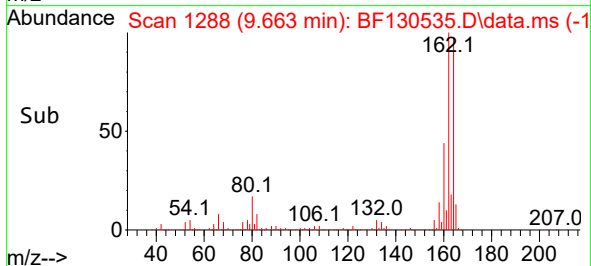
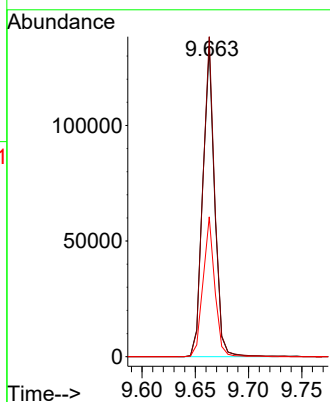
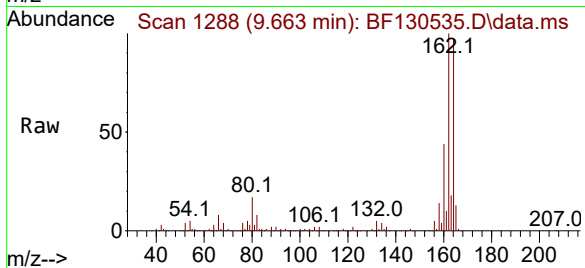
Tgt Ion:164 Resp: 104480

Ion Ratio Lower Upper

164 100

162 103.3 81.4 122.0

160 45.1 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 11.416 ng

RT: 10.451 min Scan# 1422

Delta R.T. -0.006 min

Lab File: BF130535.D

Acq: 05 Oct 2022 18:07

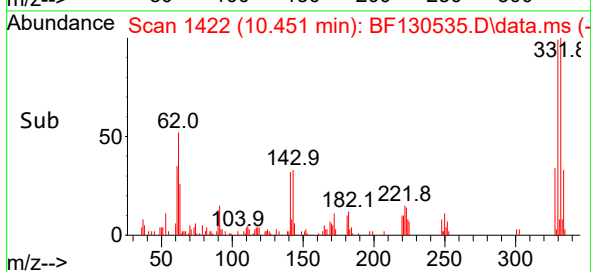
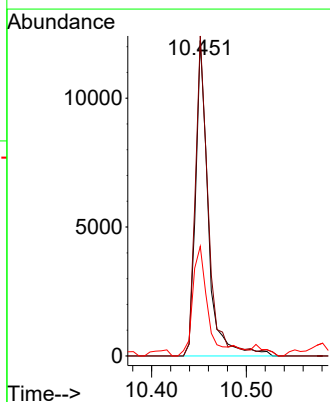
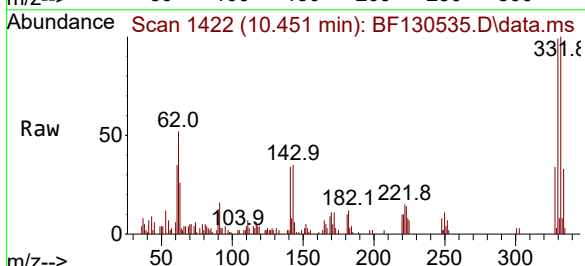
Tgt Ion:330 Resp: 11429

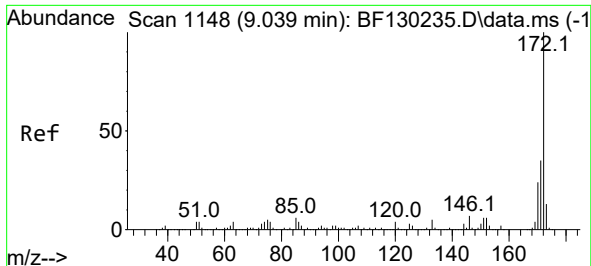
Ion Ratio Lower Upper

330 100

332 105.5 83.4 125.2

141 43.5 34.0 51.0





#45

2-Fluorobiphenyl

Concen: 8.359 ng

RT: 8.987 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BF130535.D

Acq: 05 Oct 2022 18:07

Instrument :

BNA_F

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PAT-02-100322

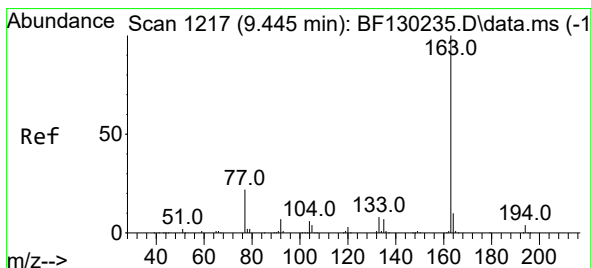
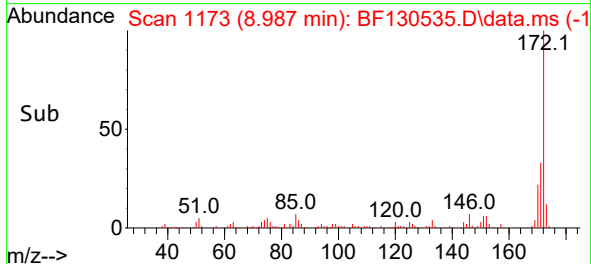
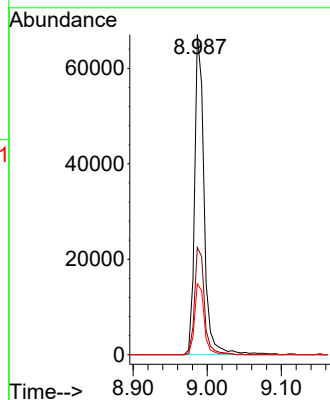
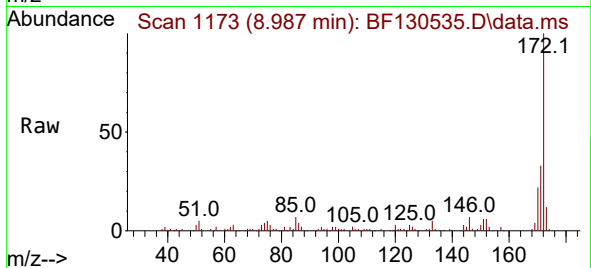
Tgt Ion:172 Resp: 59977

Ion Ratio Lower Upper

172 100

171 33.5 28.3 42.5

170 22.1 18.7 28.1



#50

Dimethylphthalate

Concen: 2.543 ng

RT: 9.663 min Scan# 1288

Delta R.T. 0.265 min

Lab File: BF130535.D

Acq: 05 Oct 2022 18:07

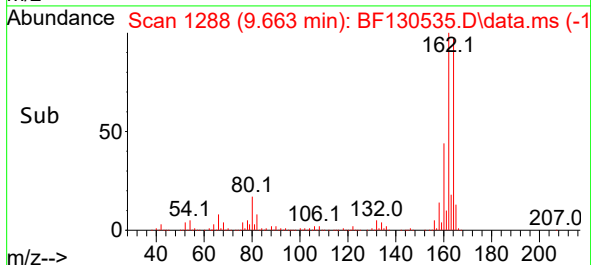
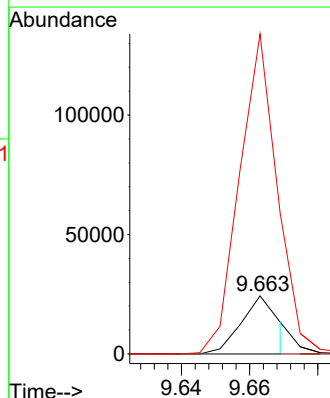
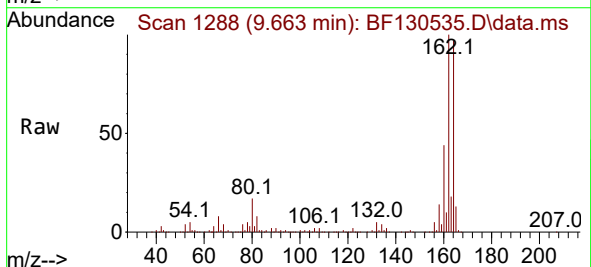
Tgt Ion:163 Resp: 18355

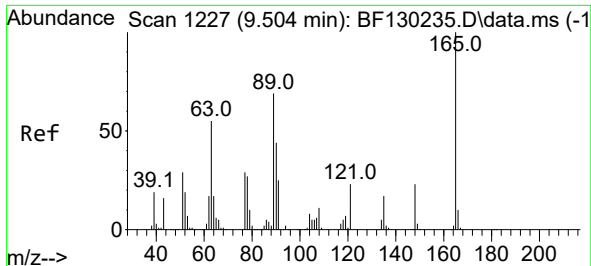
Ion Ratio Lower Upper

163 100

194 0.0 2.8 4.2#

164 551.3 8.2 12.2#

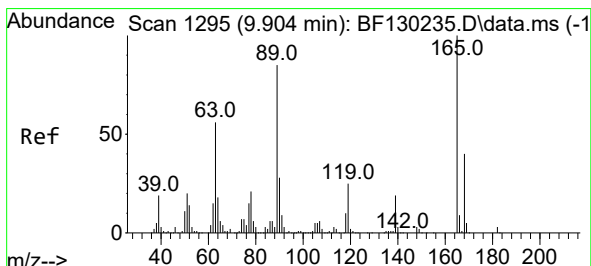
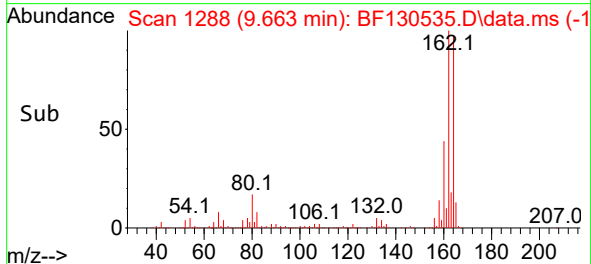
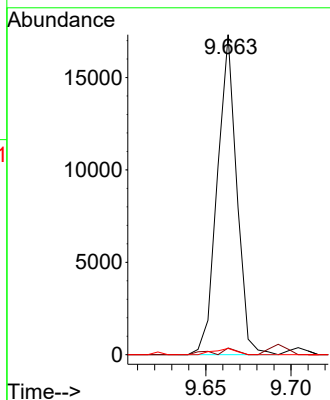
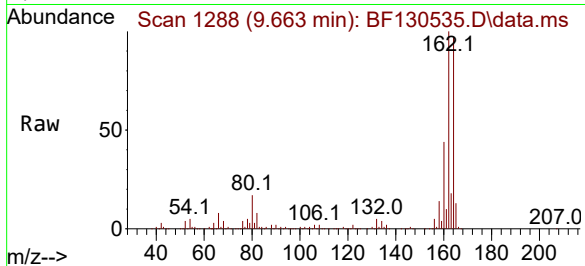




#51
2,6-Dinitrotoluene
Concen: 9.093 ng
RT: 9.663 min Scan# 1288
Delta R.T. 0.200 min
Lab File: BF130535.D
Acq: 05 Oct 2022 18:07

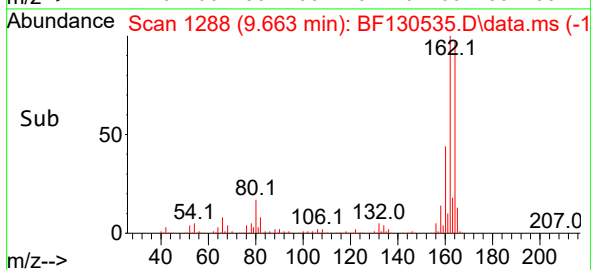
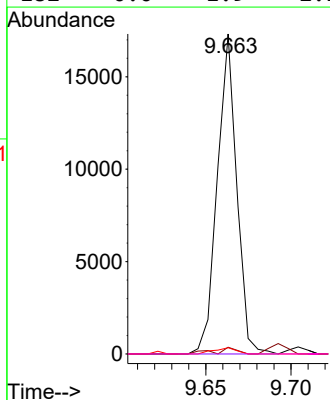
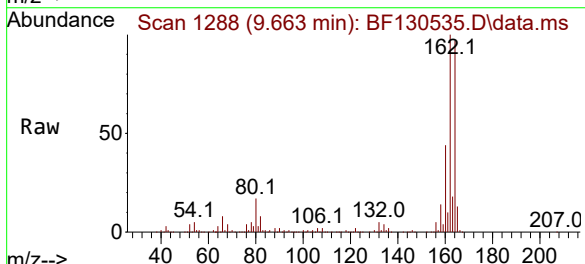
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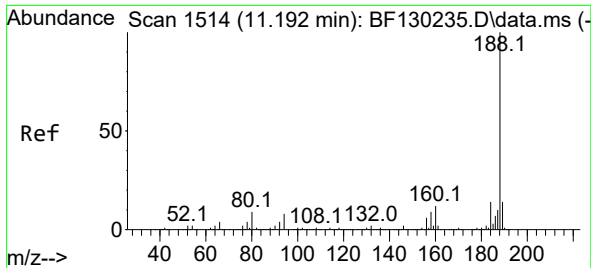
Tgt Ion:165 Resp: 13724
Ion Ratio Lower Upper
165 100
63 2.1 58.8 88.2#
89 2.0 54.5 81.7#



#57
2,4-Dinitrotoluene
Concen: 7.115 ng
RT: 9.663 min Scan# 1288
Delta R.T. -0.200 min
Lab File: BF130535.D
Acq: 05 Oct 2022 18:07

Tgt Ion:165 Resp: 13724
Ion Ratio Lower Upper
165 100
63 2.1 44.7 67.1#
89 2.0 69.0 103.4#
182 0.0 1.9 2.9#

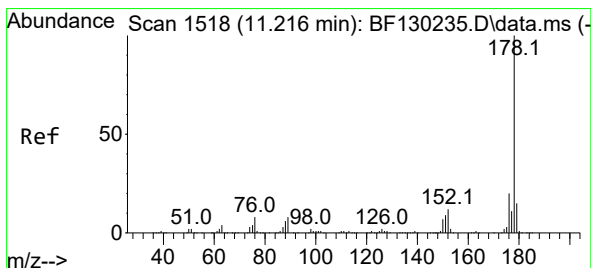
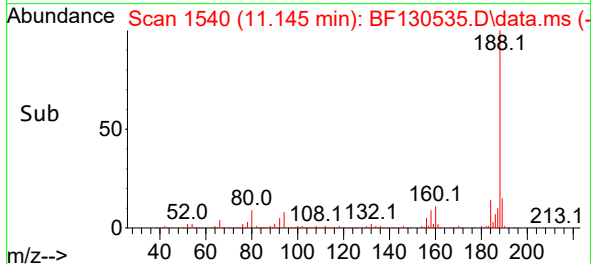
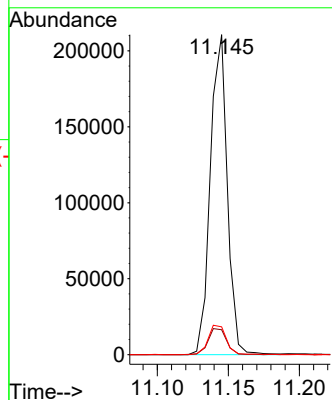
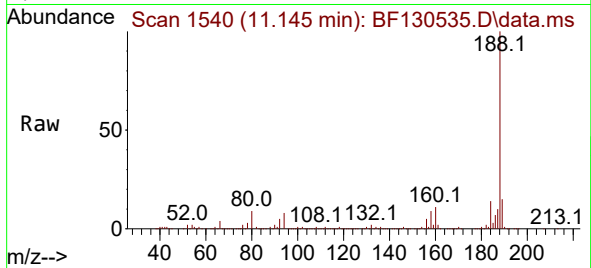




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.145 min Scan# 1540
Delta R.T. 0.000 min
Lab File: BF130535.D
Acq: 05 Oct 2022 18:07

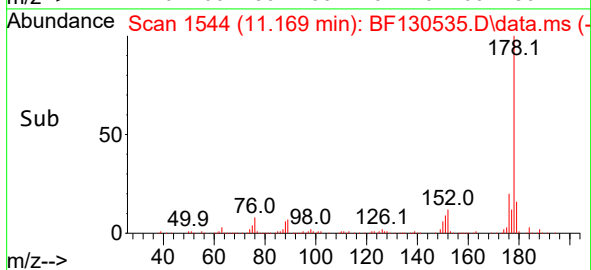
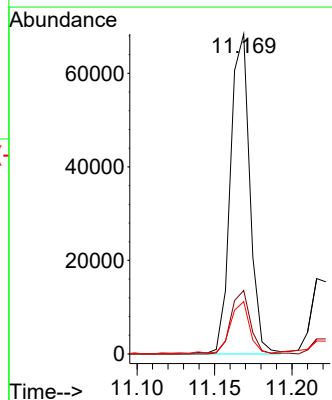
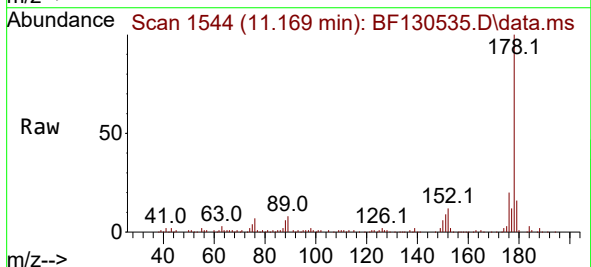
Instrument :
BNA_F
ClientSampleId :
PAT-02-100322

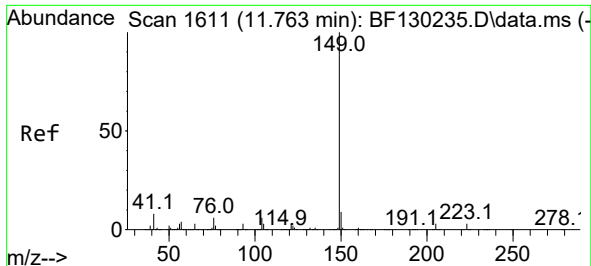
Tgt Ion:188 Resp: 174840
Ion Ratio Lower Upper
188 100
94 7.8 7.4 11.2
80 8.7 7.9 11.9



#71
Phenanthrene
Concen: 6.072 ng
RT: 11.169 min Scan# 1544
Delta R.T. 0.000 min
Lab File: BF130535.D
Acq: 05 Oct 2022 18:07

Tgt Ion:178 Resp: 59607
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.0
179 16.3 12.4 18.6

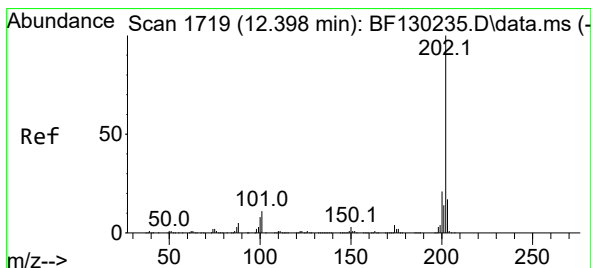
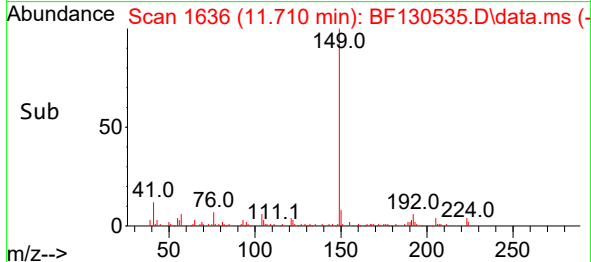
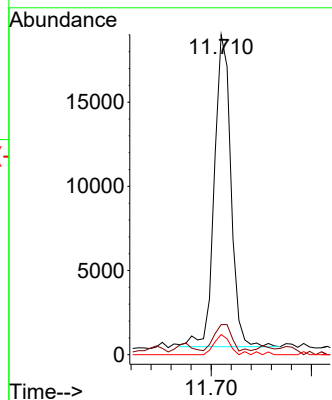
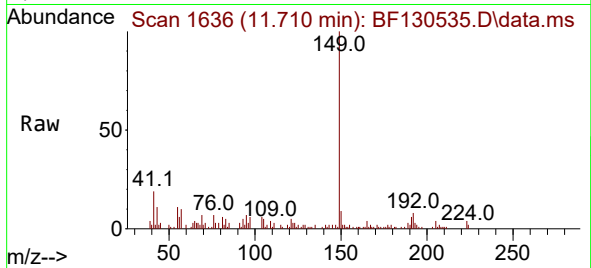




#74
Di-n-butylphthalate
Concen: 2.061 ng
RT: 11.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF130535.D
Acq: 05 Oct 2022 18:07

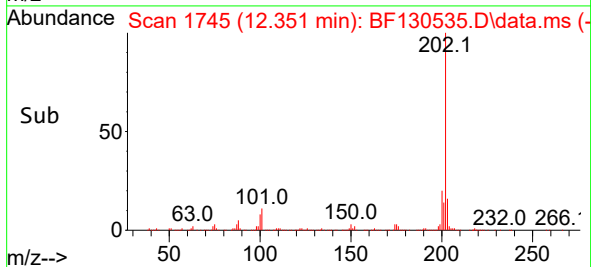
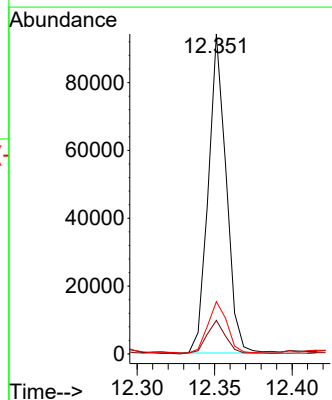
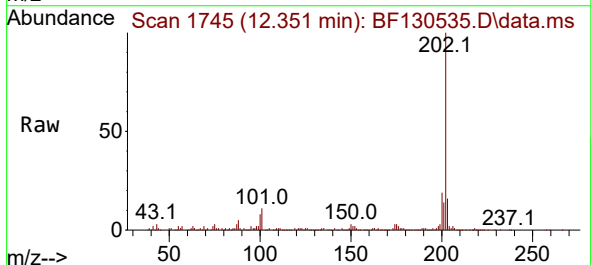
Instrument :
BNA_F
ClientSampleId :
PAT-02-100322

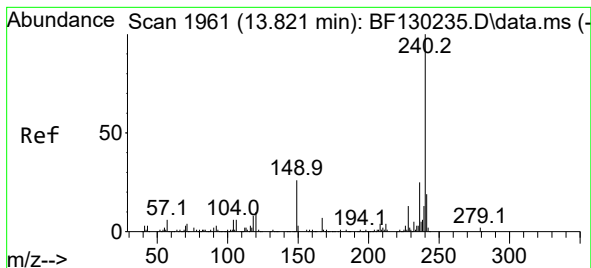
Tgt Ion:149 Resp: 21246
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 6.3 4.8 7.2



#75
Fluoranthene
Concen: 7.982 ng
RT: 12.351 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BF130535.D
Acq: 05 Oct 2022 18:07

Tgt Ion:202 Resp: 75712
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.8
203 16.4 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.775 min Scan# 1961

Delta R.T. 0.000 min

Lab File: BF130535.D

Acq: 05 Oct 2022 18:07

Instrument :

BNA_F

ClientSampleId :

PAT-02-100322

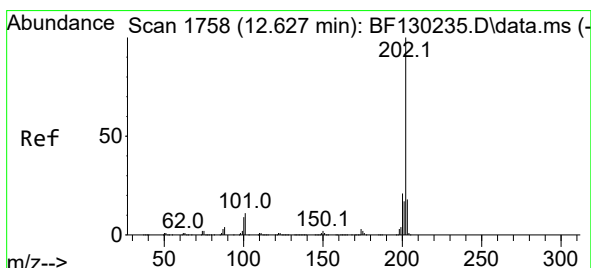
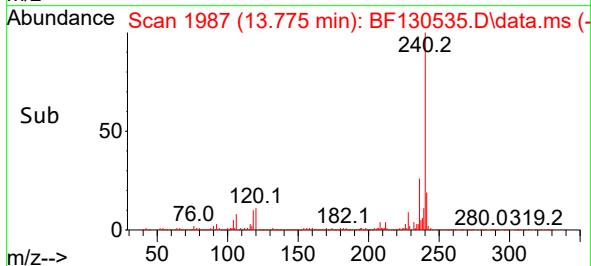
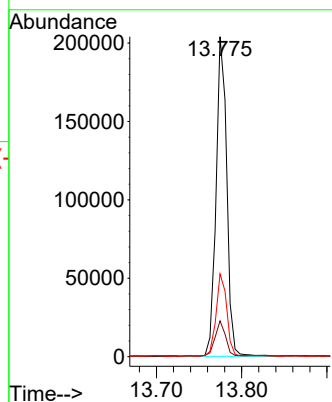
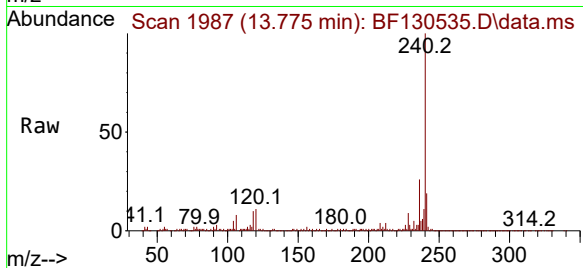
Tgt Ion:240 Resp: 178252

Ion Ratio Lower Upper

240 100

120 11.2 8.7 13.1

236 25.9 20.9 31.3



#78

Pyrene

Concen: 6.724 ng

RT: 12.581 min Scan# 1784

Delta R.T. 0.000 min

Lab File: BF130535.D

Acq: 05 Oct 2022 18:07

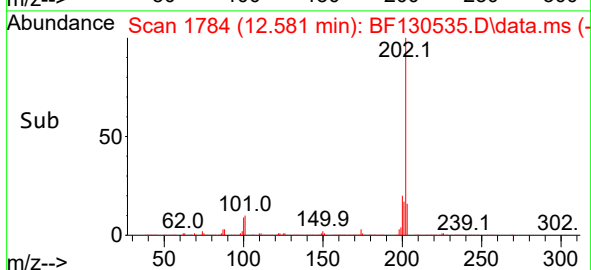
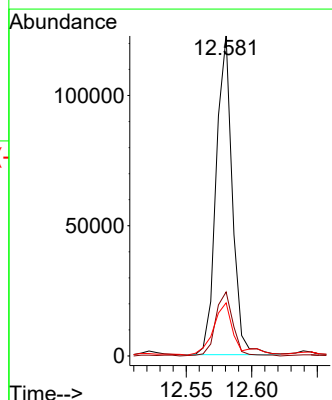
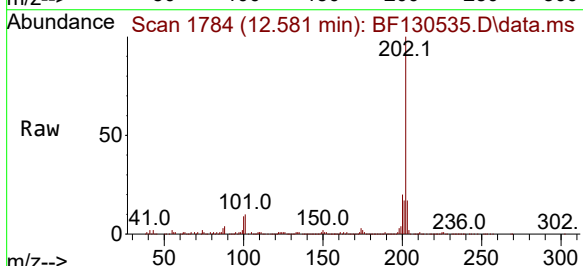
Tgt Ion:202 Resp: 104858

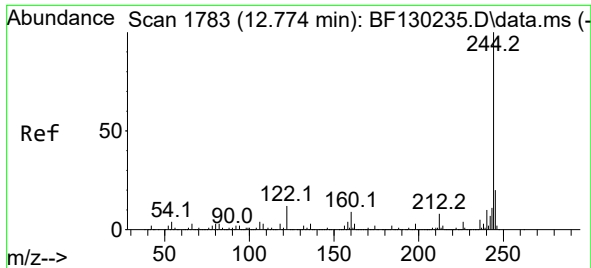
Ion Ratio Lower Upper

202 100

200 20.0 17.2 25.8

203 16.6 14.3 21.5

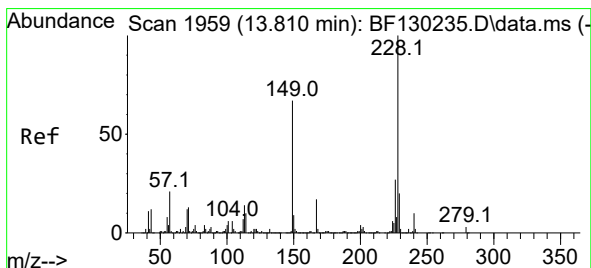
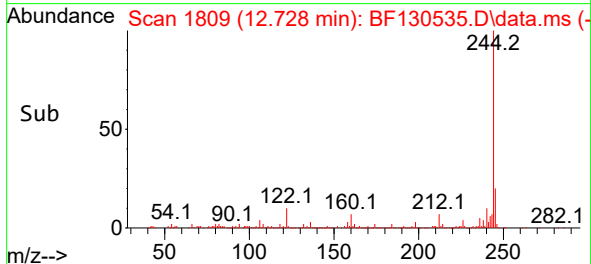
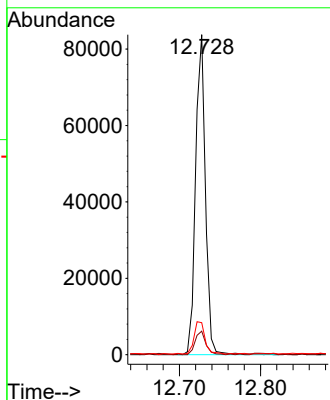
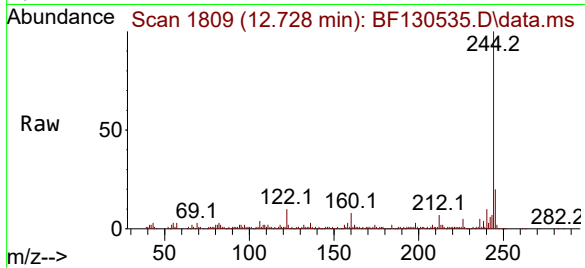




#79
 Terphenyl-d14
 Concen: 6.597 ng
 RT: 12.728 min Scan# 1809
 Delta R.T. -0.006 min
 Lab File: BF130535.D
 Acq: 05 Oct 2022 18:07

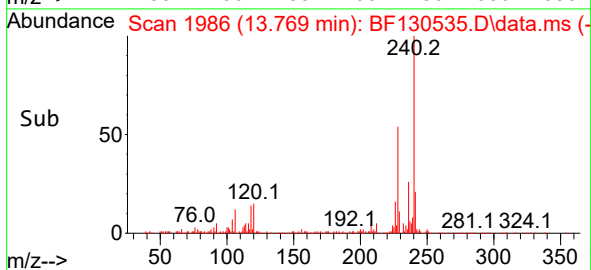
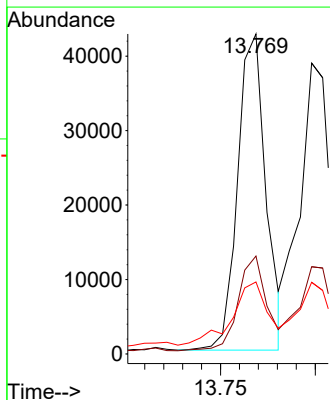
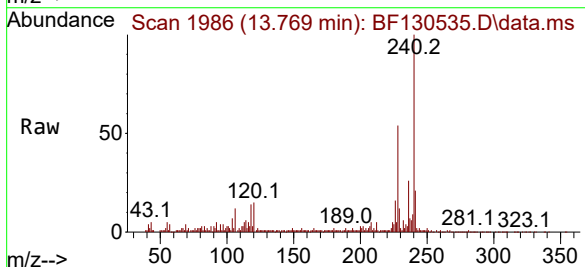
Instrument :
 BNA_F
 ClientSampleId :
 PAT-02-100322

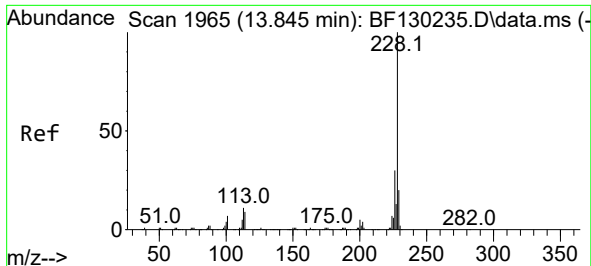
Tgt Ion:244 Resp: 70984
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 10.0 8.5 12.7



#81
 Benzo(a)anthracene
 Concen: 3.714 ng
 RT: 13.769 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: BF130535.D
 Acq: 05 Oct 2022 18:07

Tgt Ion:228 Resp: 44037
 Ion Ratio Lower Upper
 228 100
 226 30.6 21.9 32.9
 229 22.5 16.1 24.1

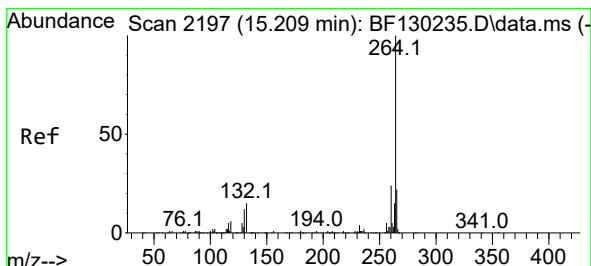
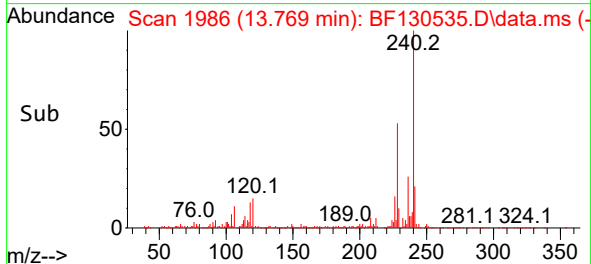
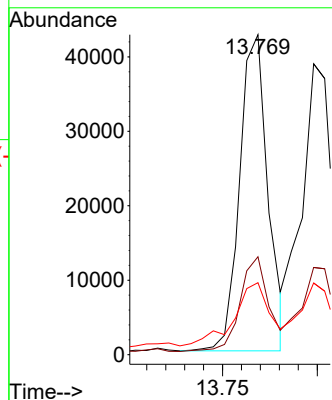
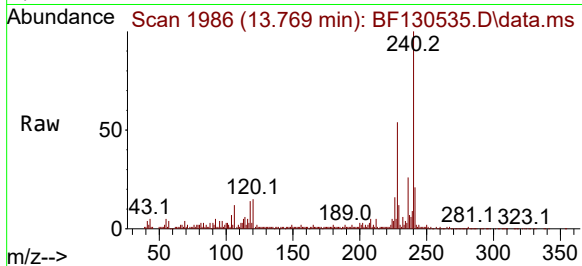




#83
Chrysene
Concen: 3.911 ng
RT: 13.769 min Scan# 1965
Delta R.T. -0.035 min
Lab File: BF130535.D
Acq: 05 Oct 2022 18:07

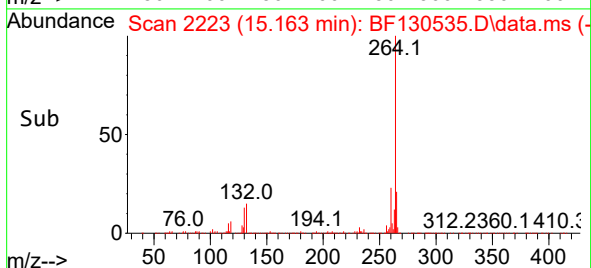
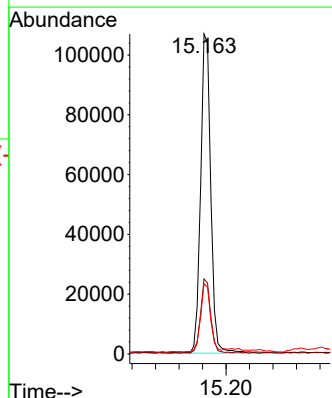
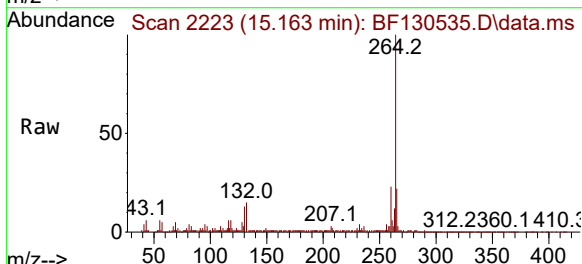
Instrument :
BNA_F
ClientSampleId :
PAT-02-100322

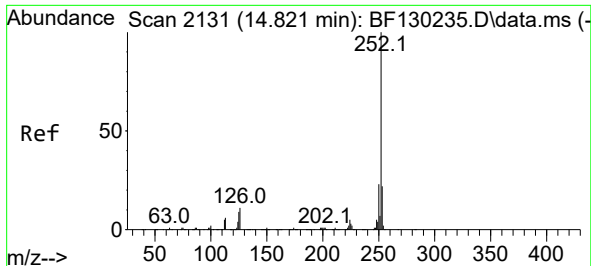
Tgt Ion:228 Resp: 44037
Ion Ratio Lower Upper
228 100
226 30.6 23.8 35.8
229 22.5 15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.163 min Scan# 2223
Delta R.T. 0.000 min
Lab File: BF130535.D
Acq: 05 Oct 2022 18:07

Tgt Ion:264 Resp: 128045
Ion Ratio Lower Upper
264 100
260 23.4 19.3 28.9
265 22.0 17.0 25.4

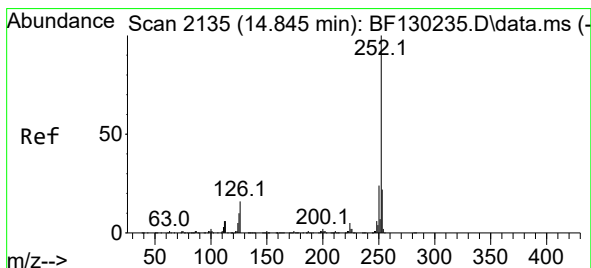
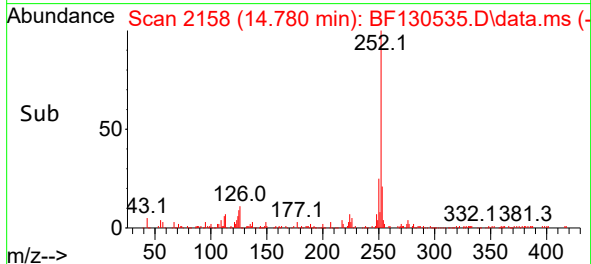
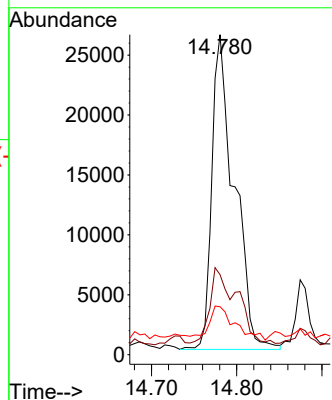
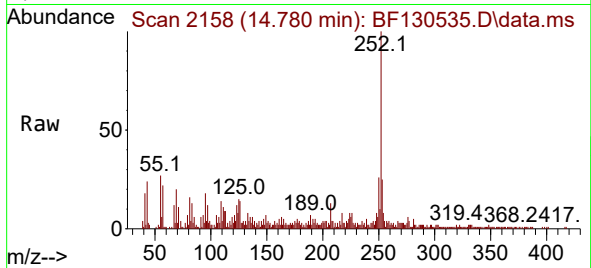




#88
Benzo(b)fluoranthene
Concen: 5.734 ng
RT: 14.780 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BF130535.D
Acq: 05 Oct 2022 18:07

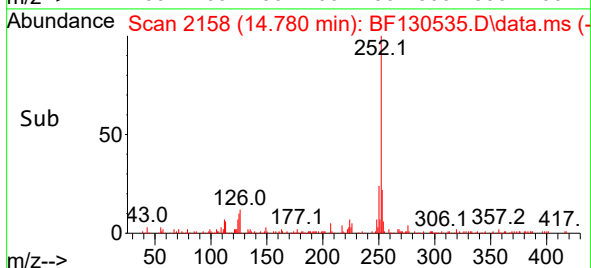
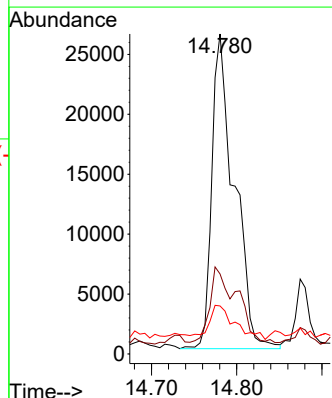
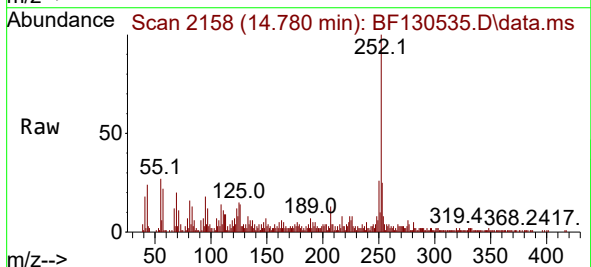
Instrument :
BNA_F
ClientSampleId :
PAT-02-100322

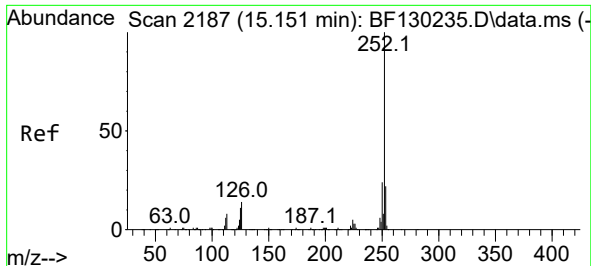
Tgt Ion:252 Resp: 47922
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 15.0 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 5.829 ng
RT: 14.780 min Scan# 2158
Delta R.T. -0.023 min
Lab File: BF130535.D
Acq: 05 Oct 2022 18:07

Tgt Ion:252 Resp: 47922
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.2
125 15.0 7.9 11.9#

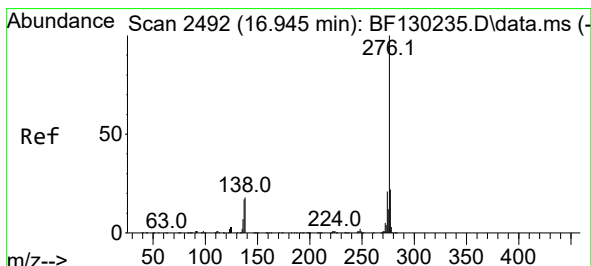
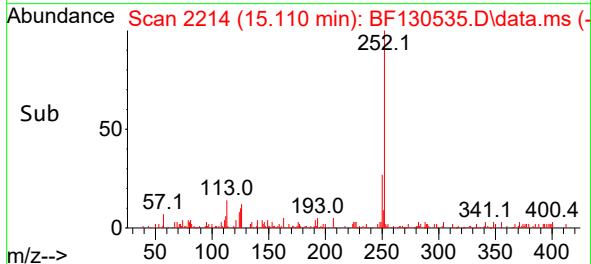
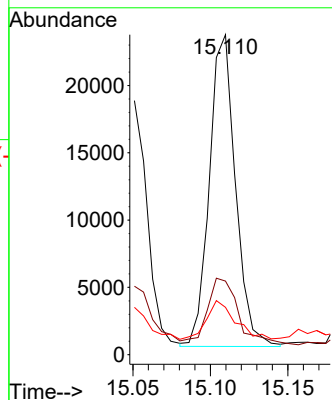
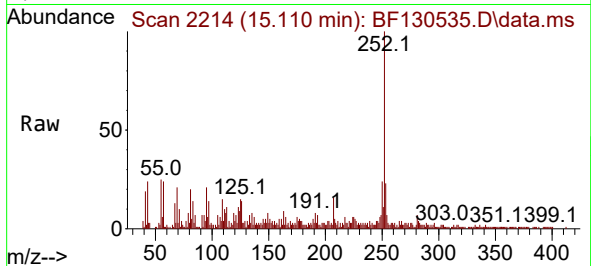




#90
Benzo(a)pyrene
Concen: 4.096 ng
RT: 15.110 min Scan# 2187
Delta R.T. 0.006 min
Lab File: BF130535.D
Acq: 05 Oct 2022 18:07

Instrument :
BNA_F
ClientSampleId :
PAT-02-100322

Tgt Ion:252 Resp: 27117
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 14.8 9.0 13.6#



#92
Benzo(g,h,i)perylene
Concen: 2.115 ng
RT: 16.880 min Scan# 2515
Delta R.T. 0.006 min
Lab File: BF130535.D
Acq: 05 Oct 2022 18:07

Tgt Ion:276 Resp: 15874
Ion Ratio Lower Upper
276 100
277 27.1 18.6 27.8
138 22.2 14.6 21.8#

