

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100522\
 Data File : BF130531.D
 Acq On : 05 Oct 2022 16:00
 Operator : CG\JU
 Sample : N4960-01 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-01-100322

Quant Time: Oct 06 01:11:01 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

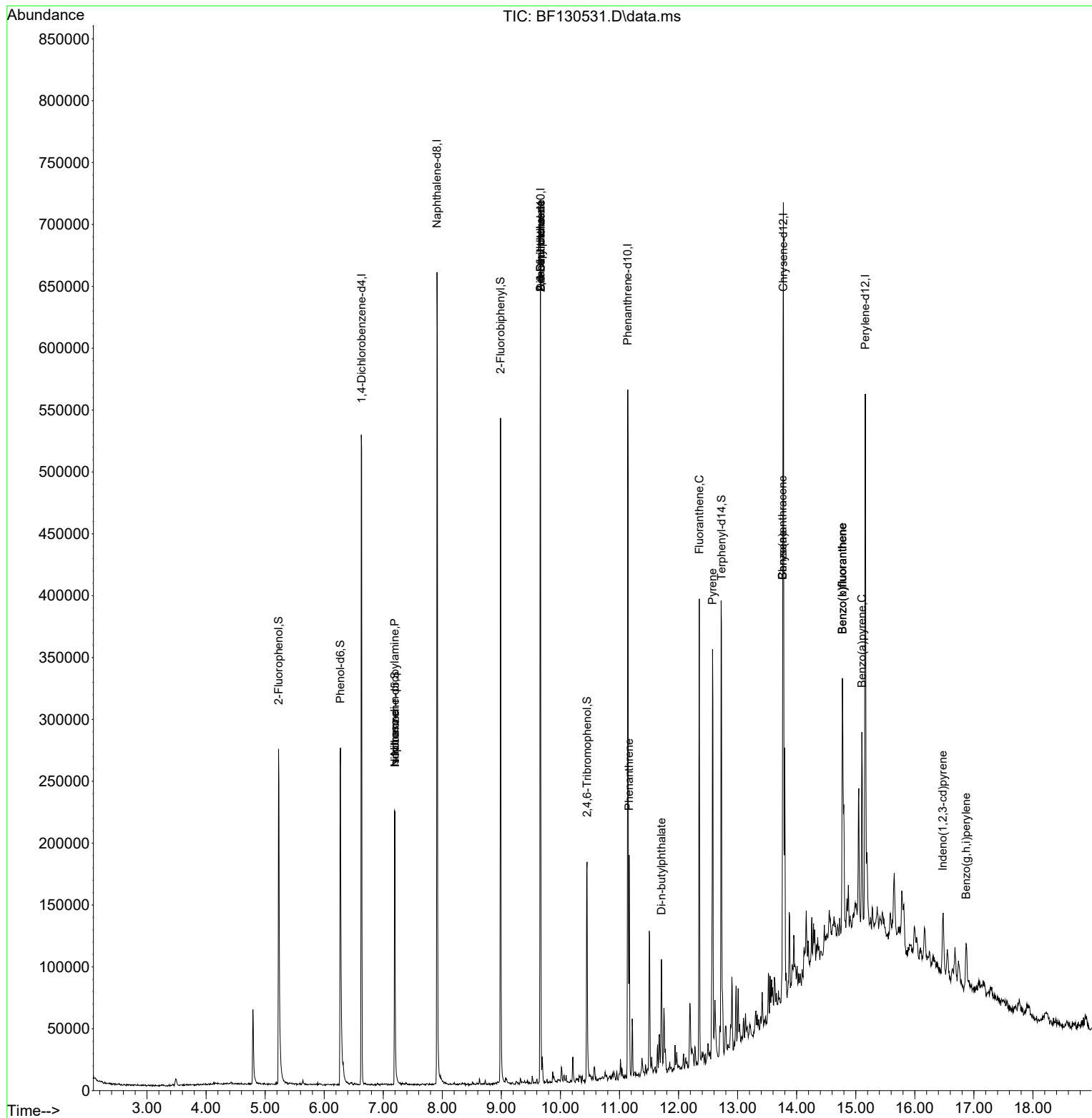
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.634	152	78580	20.000	ng	0.00
21) Naphthalene-d8	7.910	136	298071	20.000	ng	0.00
39) Acenaphthene-d10	9.663	164	136820	20.000	ng	0.00
64) Phenanthrene-d10	11.139	188	191520	20.000	ng	0.00
76) Chrysene-d12	13.774	240	175605	20.000	ng	0.00
86) Perylene-d12	15.162	264	179814	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.228	112	99444	21.950	ng	0.00
7) Phenol-d6	6.275	99	127389	22.472	ng	0.00
23) Nitrobenzene-d5	7.198	82	79735	13.666	ng	0.00
42) 2,4,6-Tribromophenol	10.451	330	23602	18.003	ng	0.00
45) 2-Fluorobiphenyl	8.986	172	145815	15.519	ng	0.00
79) Terphenyl-d14	12.727	244	118517	11.180	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.192	70	10330	2.701	ng	# 79
25) Isophorone	7.198	82	79734	8.479	ng	# 66
50) Dimethylphthalate	9.663	163	24898	2.634	ng	# 1
51) 2,6-Dinitrotoluene	9.663	165	17454	8.831	ng	# 16
57) 2,4-Dinitrotoluene	9.663	165	17454	6.910	ng	# 16
71) Phenanthrene	11.163	178	57505	5.348	ng	100
74) Di-n-butylphthalate	11.710	149	53921	4.775	ng	99
75) Fluoranthene	12.351	202	130897	12.598	ng	98
78) Pyrene	12.574	202	131515	8.561	ng	99
81) Benzo(a)anthracene	13.762	228	83303	7.131	ng	99
83) Chrysene	13.762	228	83303	7.510	ng	96
87) Indeno(1,2,3-cd)pyrene	16.474	276	30608	2.400	ng	97
88) Benzo(b)fluoranthene	14.774	252	135339	11.532	ng	97
89) Benzo(k)fluoranthene	14.774	252	135339	11.723	ng	96
90) Benzo(a)pyrene	15.104	252	68806	7.400	ng	97
92) Benzo(g,h,i)perylene	16.868	276	28572	2.711	ng	94

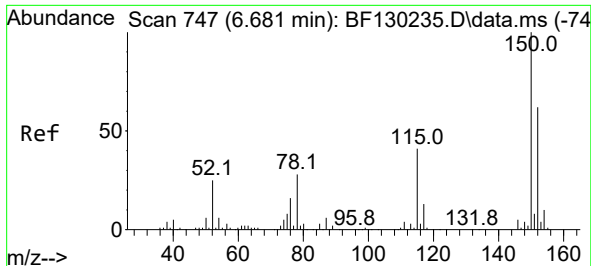
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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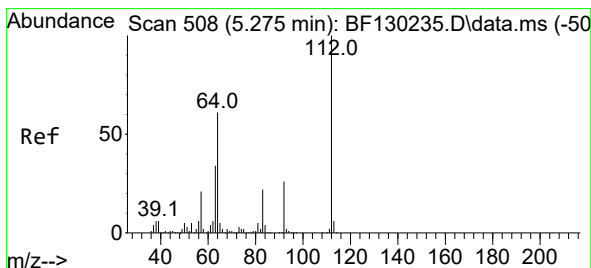
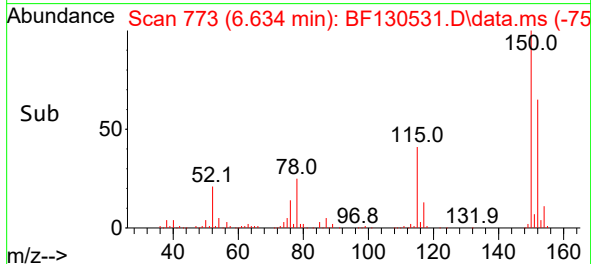
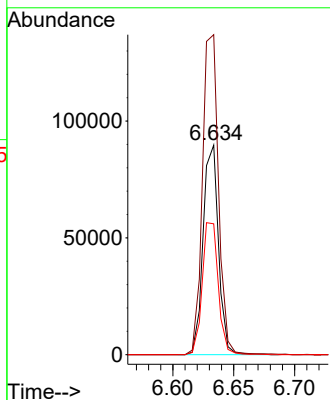
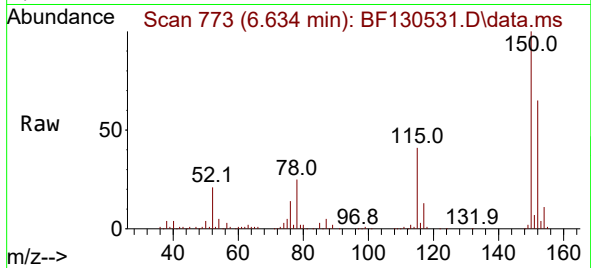




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.634 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF130531.D
 Acq: 05 Oct 2022 16:00

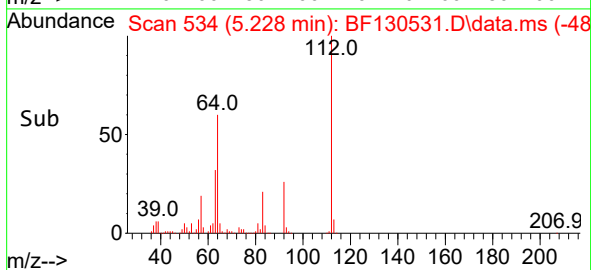
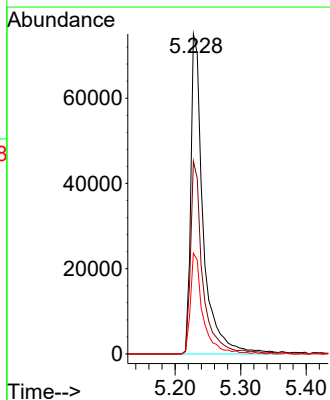
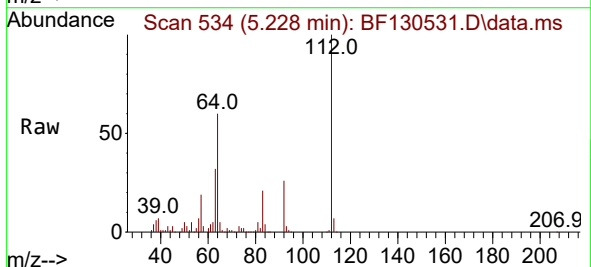
Instrument :
 BNA_F
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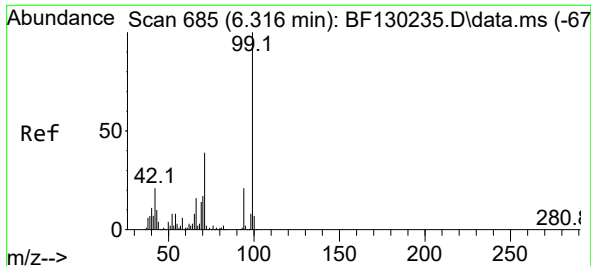
Tgt Ion:152 Resp: 78580
 Ion Ratio Lower Upper
 152 100
 150 152.7 122.8 184.2
 115 62.5 53.8 80.8



#5
 2-Fluorophenol
 Concen: 21.950 ng
 RT: 5.228 min Scan# 534
 Delta R.T. -0.000 min
 Lab File: BF130531.D
 Acq: 05 Oct 2022 16:00

Tgt Ion:112 Resp: 99444
 Ion Ratio Lower Upper
 112 100
 64 60.2 51.4 77.0
 63 31.5 28.8 43.2

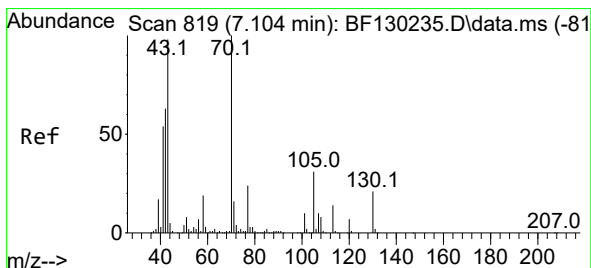
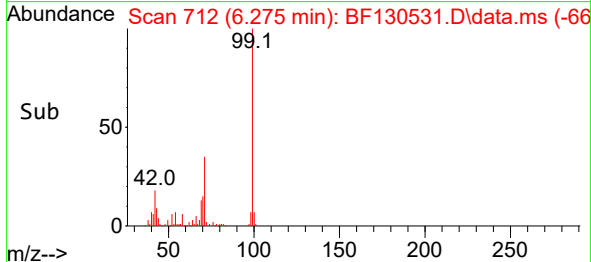
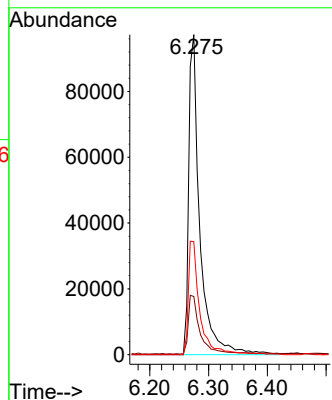
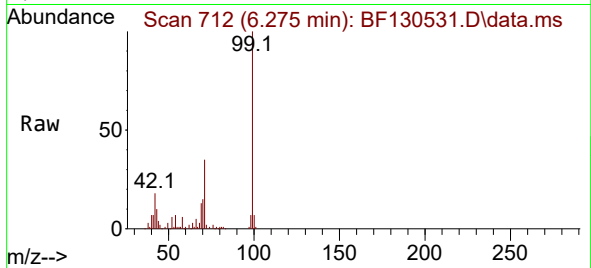




#7
Phenol-d6
Concen: 22.472 ng
RT: 6.275 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

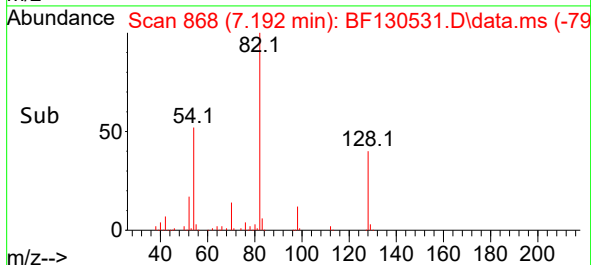
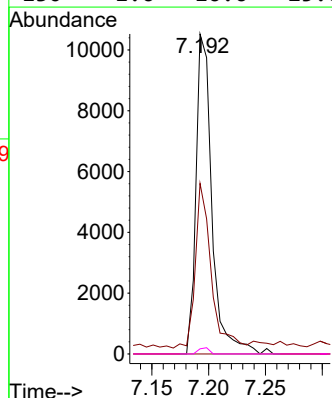
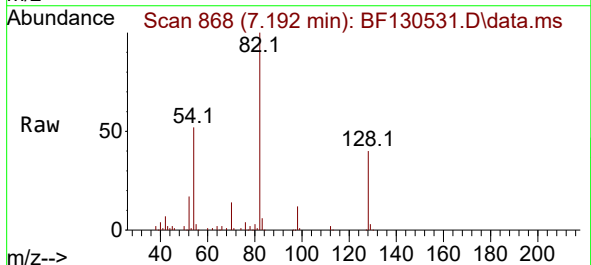
Instrument :
BNA_F
ClientSampleId :
PAT-01-100322

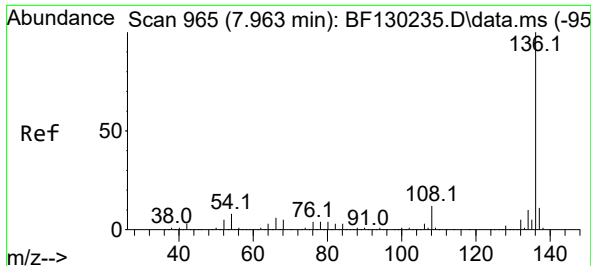
Tgt Ion: 99 Resp: 127389
Ion Ratio Lower Upper
99 100
42 18.2 17.0 25.6
71 35.3 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.701 ng
RT: 7.192 min Scan# 868
Delta R.T. 0.135 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

Tgt Ion: 70 Resp: 10330
Ion Ratio Lower Upper
70 100
42 53.3 50.8 76.2
101 0.0 8.2 12.4#
130 1.6 16.6 25.0#

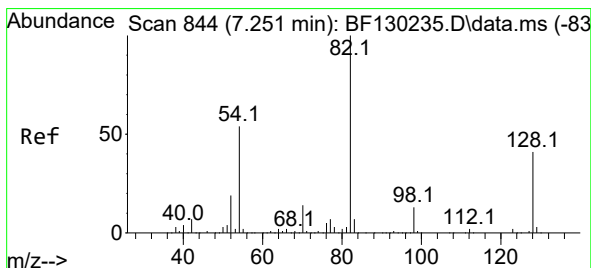
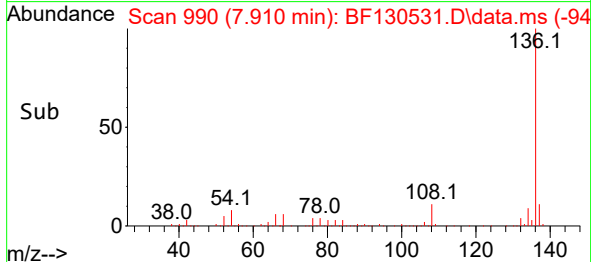
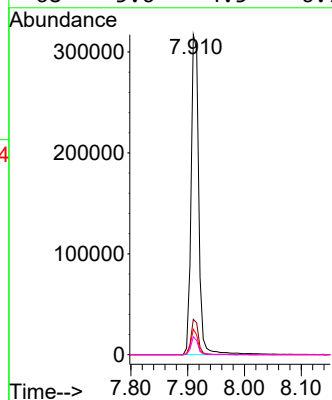
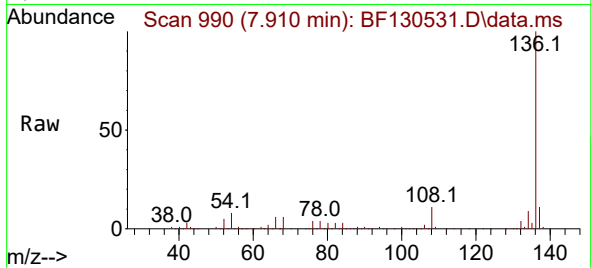




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.910 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

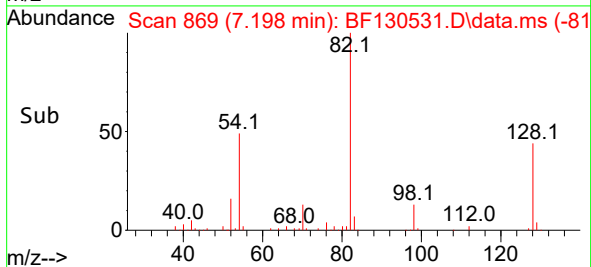
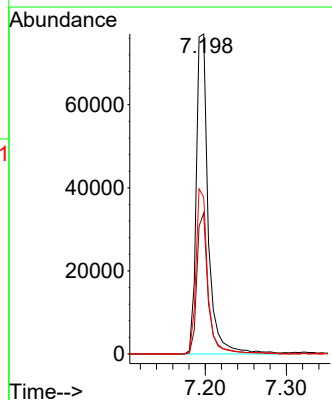
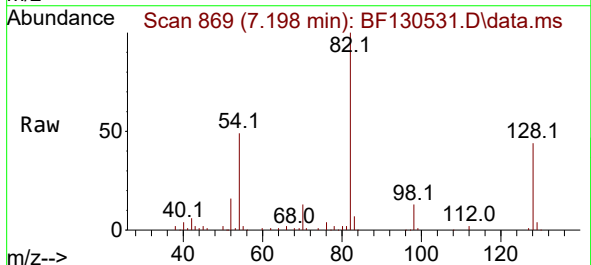
Instrument :
BNA_F
ClientSampleId :
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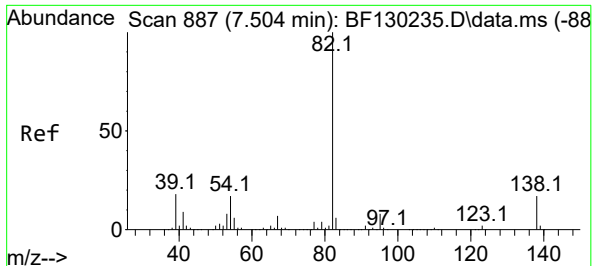
Tgt Ion:136 Resp: 298071
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 8.0 7.1 10.7
68 5.6 4.5 6.7



#23
Nitrobenzene-d5
Concen: 13.666 ng
RT: 7.198 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

Tgt Ion: 82 Resp: 79735
Ion Ratio Lower Upper
82 100
128 44.0 32.6 49.0
54 49.0 43.8 65.6

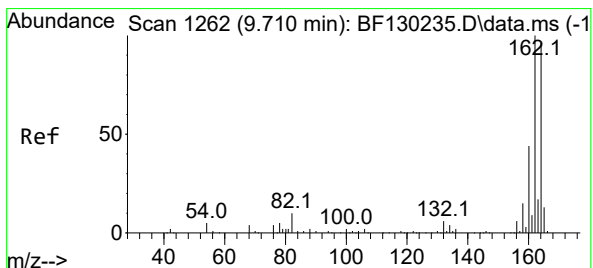
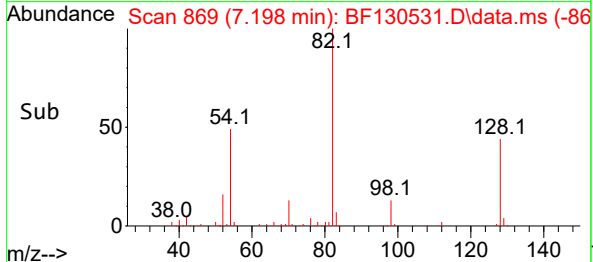
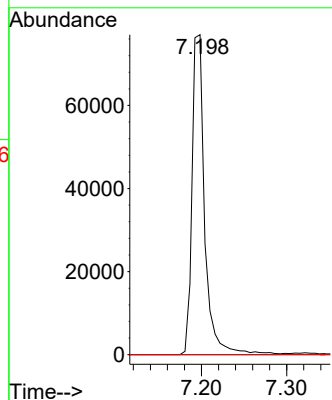
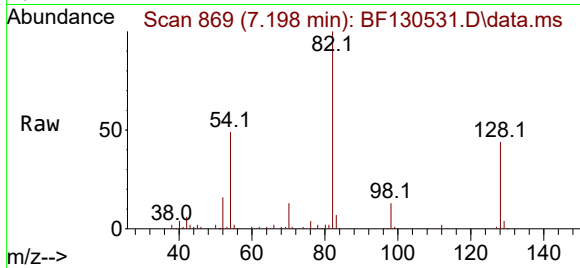




#25
Isophorone
Concen: 8.479 ng
RT: 7.198 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

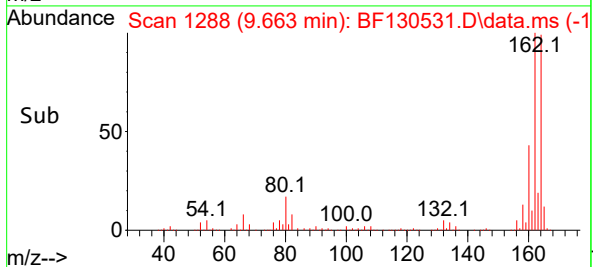
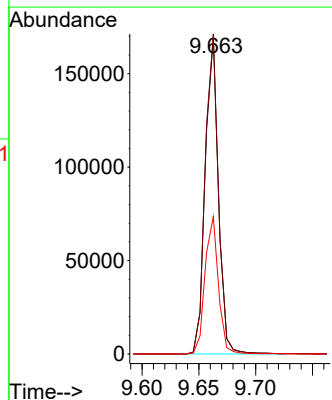
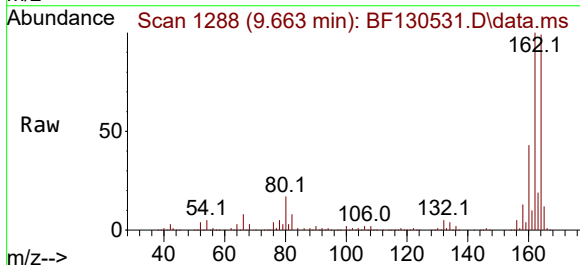
Instrument :
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ClientSampleId :
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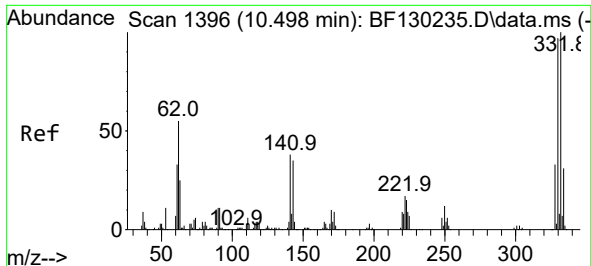
Tgt Ion: 82 Resp: 79734
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.663 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

Tgt Ion: 164 Resp: 136820
Ion Ratio Lower Upper
164 100
162 101.1 81.4 122.0
160 43.4 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 18.003 ng

RT: 10.451 min Scan# 1422

Delta R.T. -0.006 min

Lab File: BF130531.D

Acq: 05 Oct 2022 16:00

Instrument :

BNA_F

ClientSampleId :

PAT-01-100322

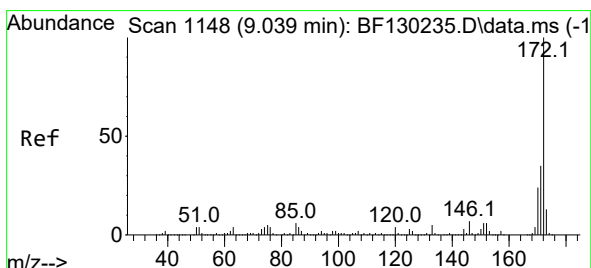
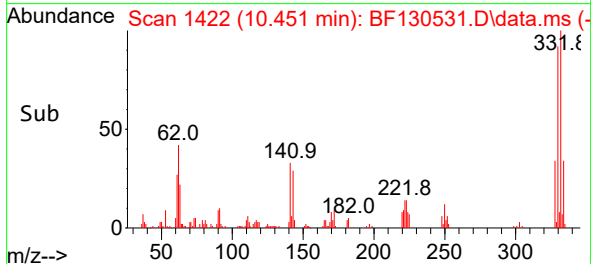
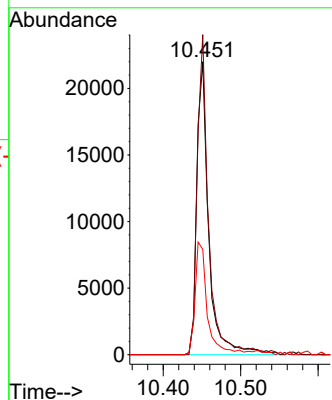
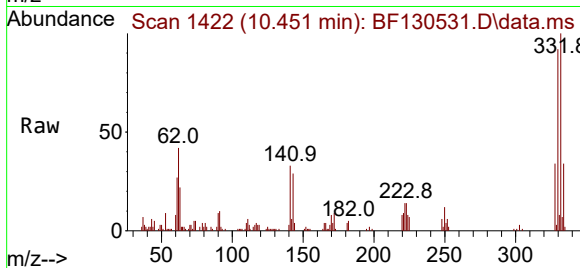
Tgt Ion:330 Resp: 23602

Ion Ratio Lower Upper

330 100

332 104.4 83.4 125.2

141 39.9 34.0 51.0



#45

2-Fluorobiphenyl

Concen: 15.519 ng

RT: 8.986 min Scan# 1173

Delta R.T. -0.006 min

Lab File: BF130531.D

Acq: 05 Oct 2022 16:00

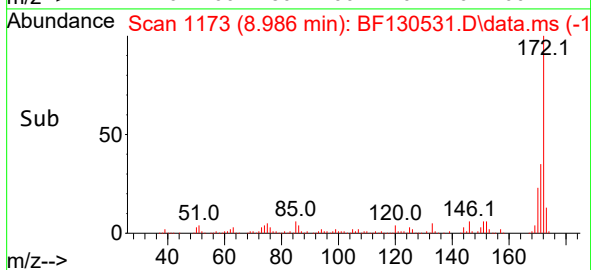
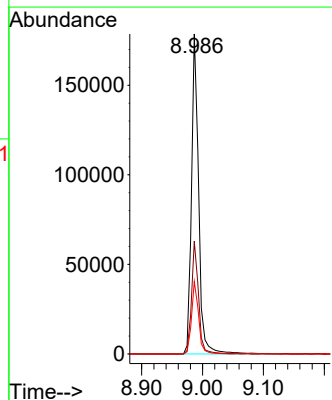
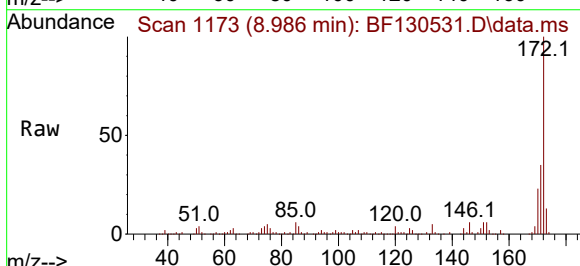
Tgt Ion:172 Resp: 145815

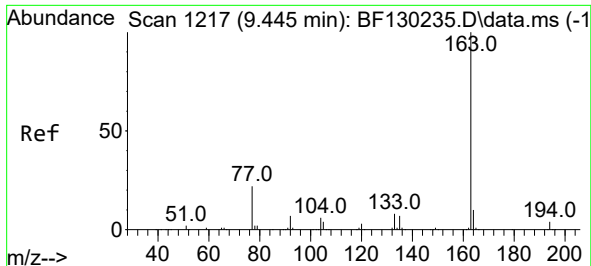
Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 22.6 18.7 28.1

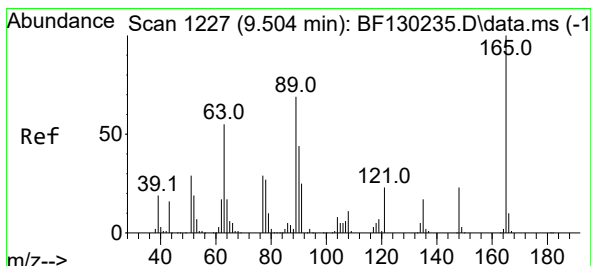
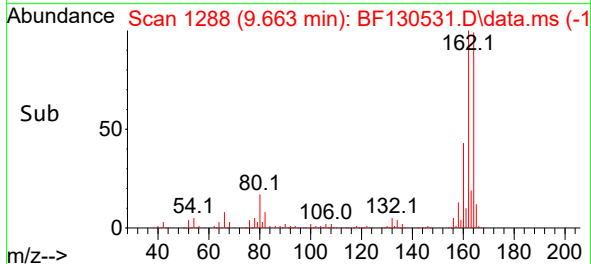
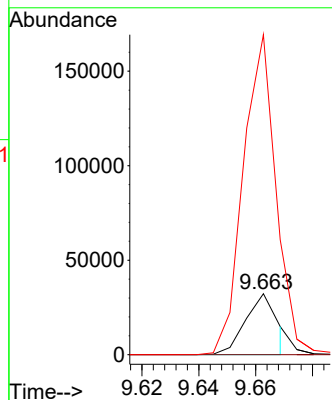
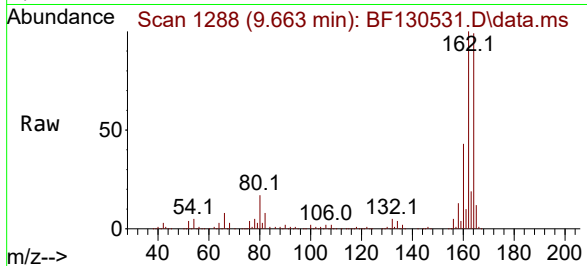




#50
Dimethylphthalate
Concen: 2.634 ng
RT: 9.663 min Scan# 1288
Delta R.T. 0.265 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

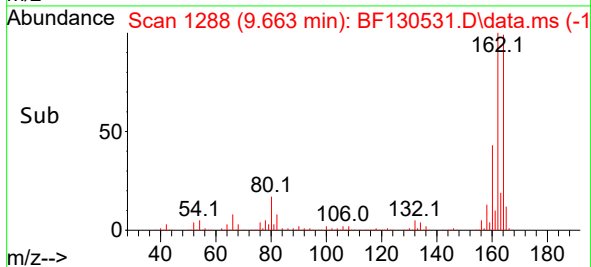
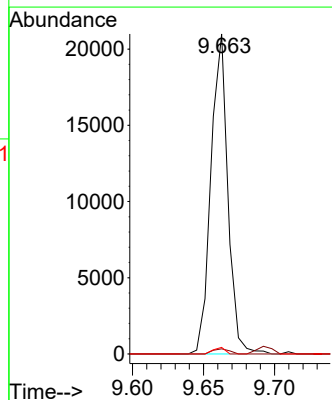
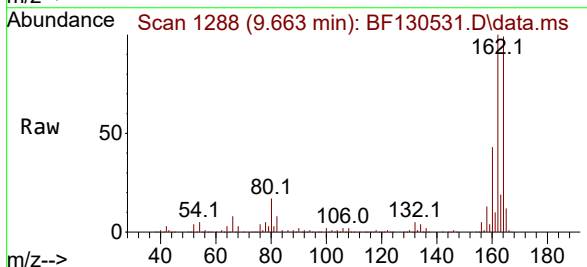
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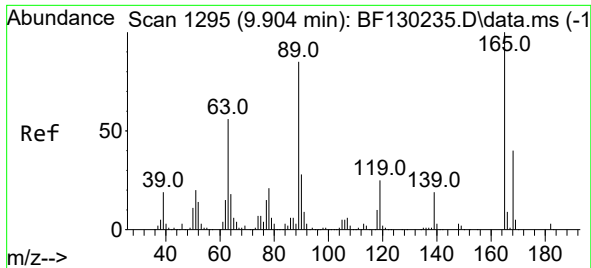
Tgt Ion:163 Resp: 24898
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 525.3 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 8.831 ng
RT: 9.663 min Scan# 1288
Delta R.T. 0.200 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

Tgt Ion:165 Resp: 17454
Ion Ratio Lower Upper
165 100
63 1.6 58.8 88.2#
89 2.1 54.5 81.7#

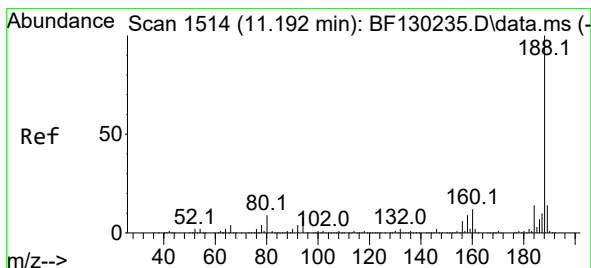
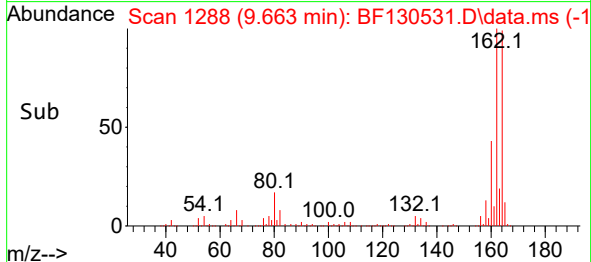
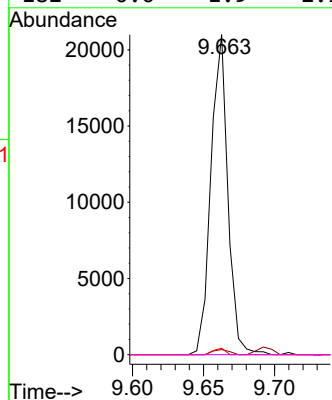
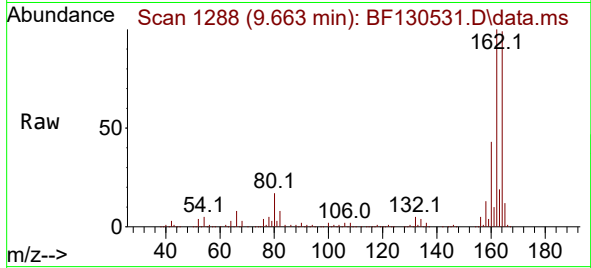




#57
2,4-Dinitrotoluene
Concen: 6.910 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

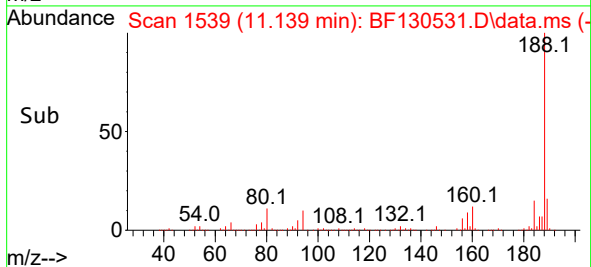
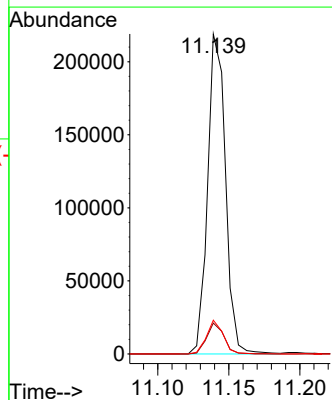
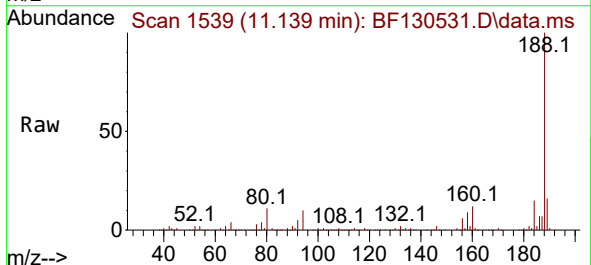
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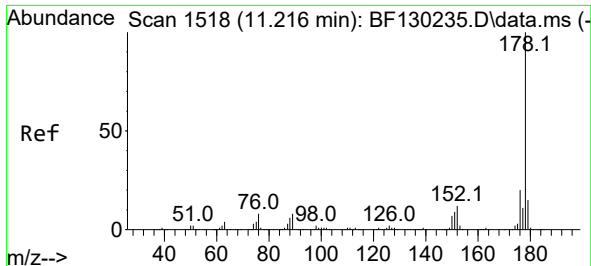
Tgt Ion:165 Resp: 17454
Ion Ratio Lower Upper
165 100
63 1.6 44.7 67.1#
89 2.1 69.0 103.4#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.139 min Scan# 1539
Delta R.T. -0.006 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

Tgt Ion:188 Resp: 191520
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 10.5 7.9 11.9

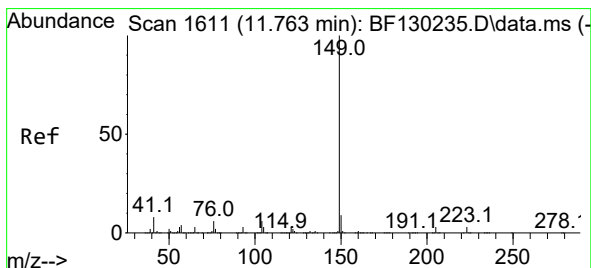
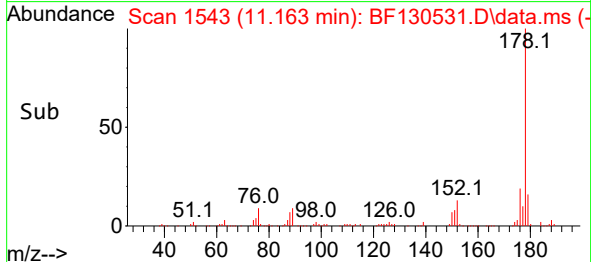
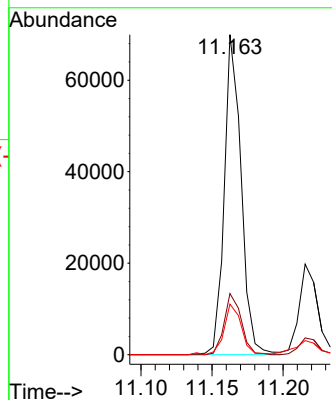
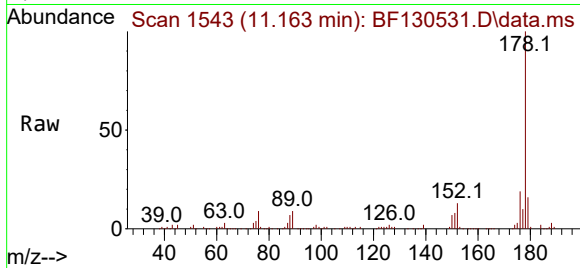




#71
Phenanthrene
Concen: 5.348 ng
RT: 11.163 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

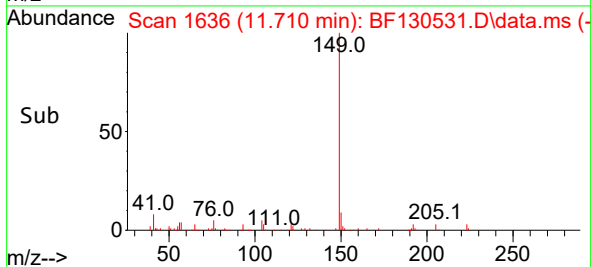
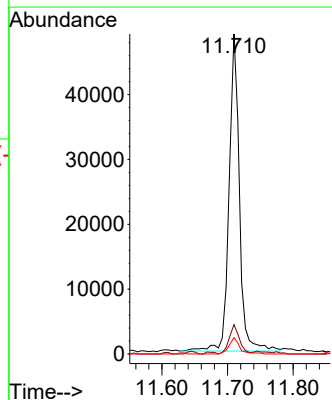
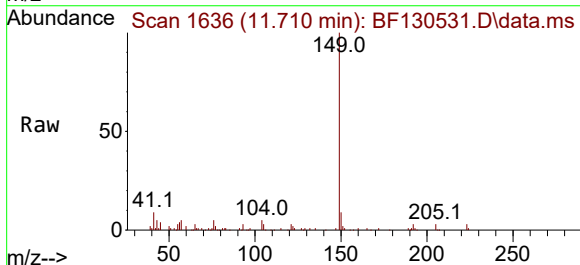
Instrument :
BNA_F
ClientSampleId :
PAT-01-100322

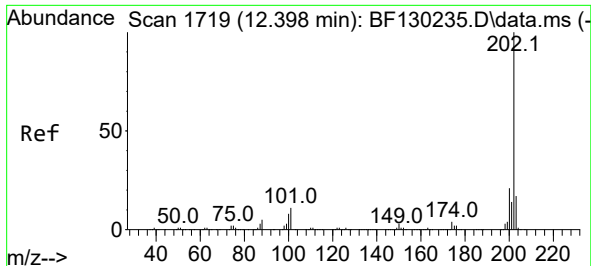
Tgt Ion:178 Resp: 57505
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.8 12.4 18.6



#74
Di-n-butylphthalate
Concen: 4.775 ng
RT: 11.710 min Scan# 1636
Delta R.T. -0.006 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

Tgt Ion:149 Resp: 53921
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 5.1 4.8 7.2

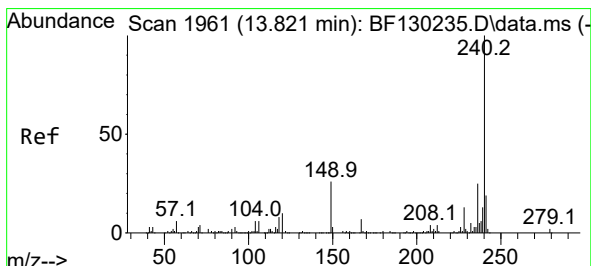
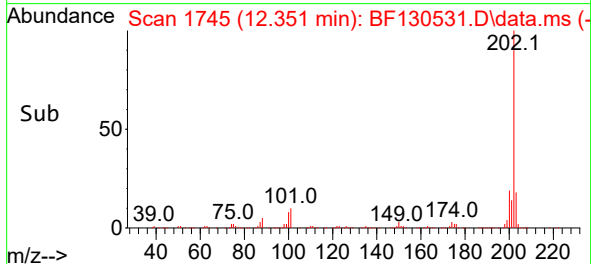
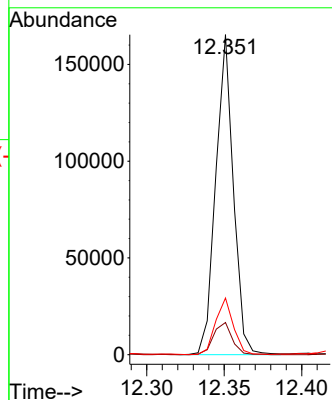
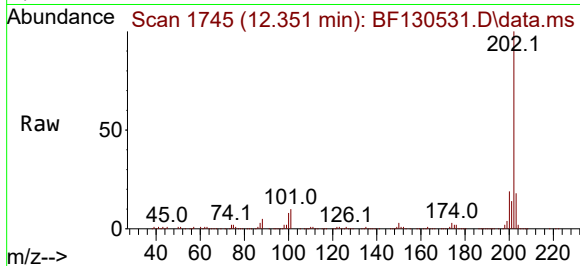




#75
Fluoranthene
Concen: 12.598 ng
RT: 12.351 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

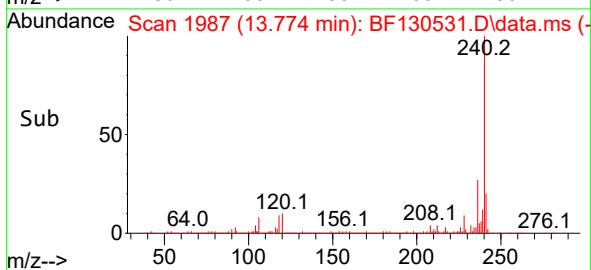
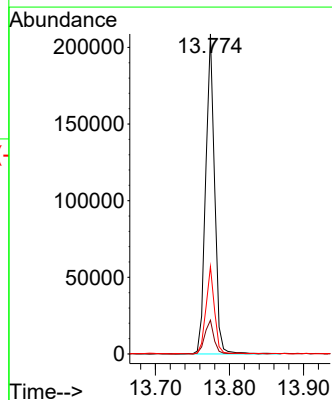
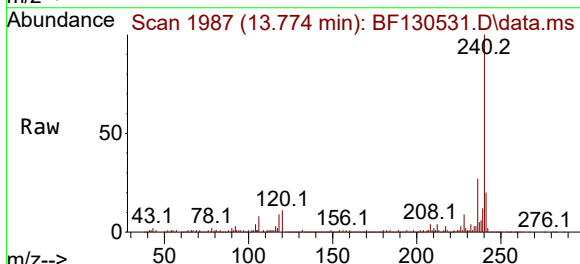
Instrument :
BNA_F
ClientSampleId :
PAT-01-100322

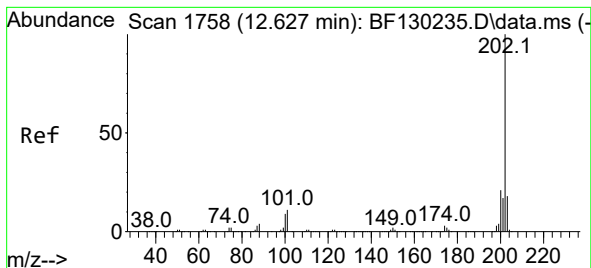
Tgt Ion:202 Resp: 130897
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.8
203 17.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.774 min Scan# 1987
Delta R.T. -0.000 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

Tgt Ion:240 Resp: 175605
Ion Ratio Lower Upper
240 100
120 10.6 8.7 13.1
236 27.3 20.9 31.3





#78

Pyrene

Concen: 8.561 ng

RT: 12.574 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130531.D

Acq: 05 Oct 2022 16:00

Instrument :

BNA_F

ClientSampleId :

PAT-01-100322

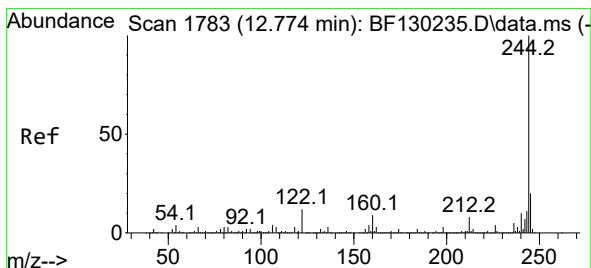
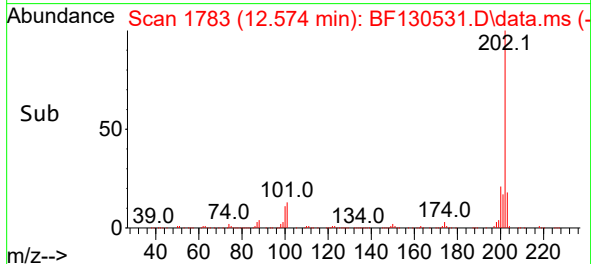
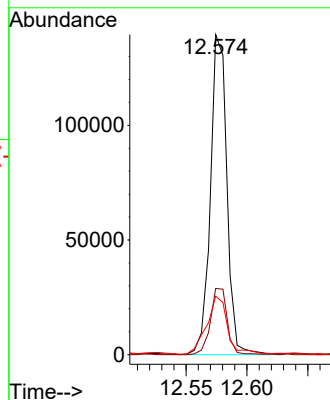
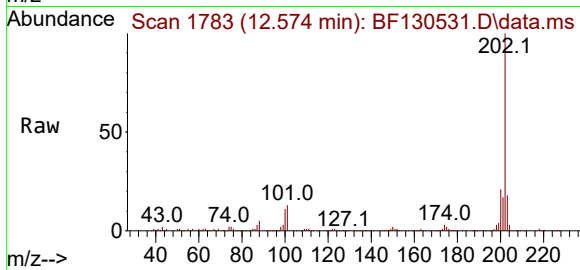
Tgt Ion:202 Resp: 131515

Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

203 18.3 14.3 21.5



#79

Terphenyl-d14

Concen: 11.180 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF130531.D

Acq: 05 Oct 2022 16:00

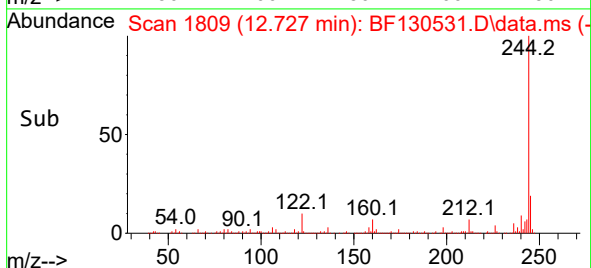
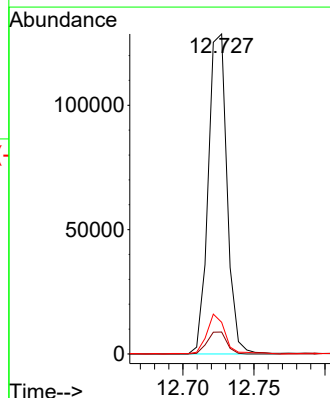
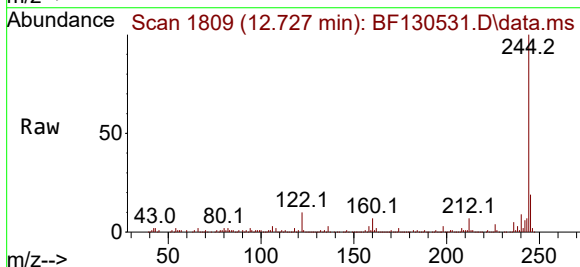
Tgt Ion:244 Resp: 118517

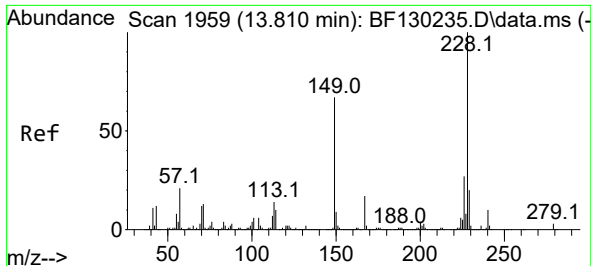
Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 9.9 8.5 12.7

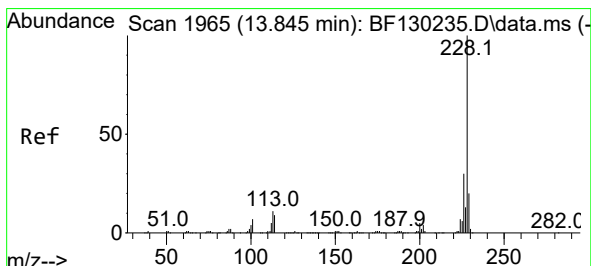
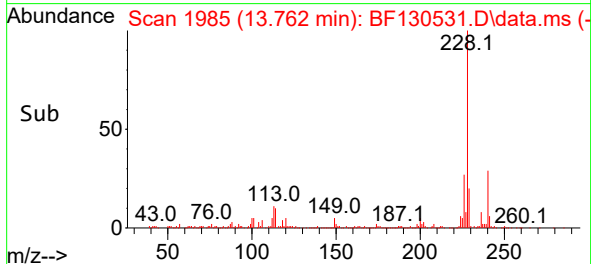
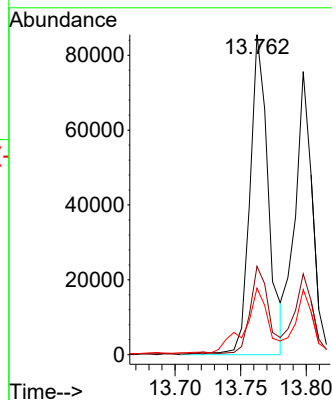
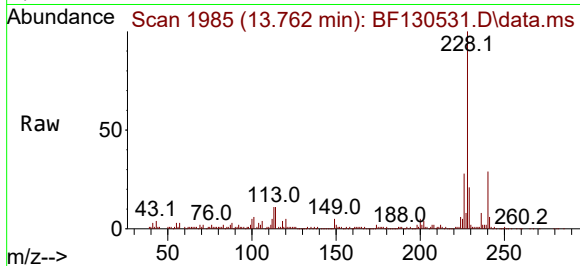




#81
Benzo(a)anthracene
Concen: 7.131 ng
RT: 13.762 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

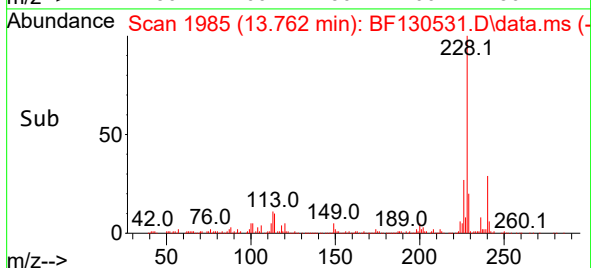
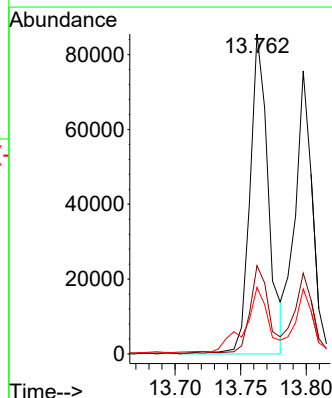
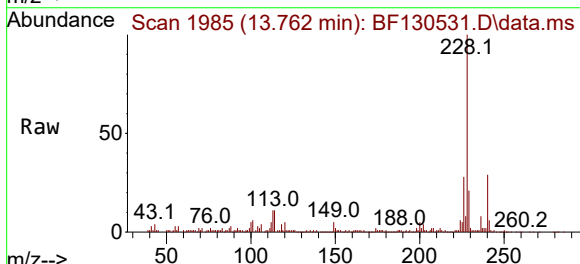
Instrument :
BNA_F
ClientSampleId :
PAT-01-100322

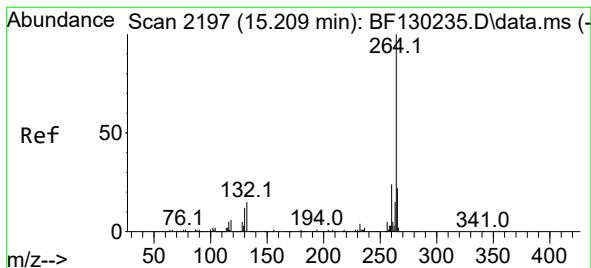
Tgt Ion:228 Resp: 83303
Ion Ratio Lower Upper
228 100
226 27.6 21.9 32.9
229 20.8 16.1 24.1



#83
Chrysene
Concen: 7.510 ng
RT: 13.762 min Scan# 1985
Delta R.T. -0.041 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

Tgt Ion:228 Resp: 83303
Ion Ratio Lower Upper
228 100
226 27.6 23.8 35.8
229 20.8 15.3 22.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.162 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF130531.D

Acq: 05 Oct 2022 16:00

Instrument :

BNA_F

ClientSampleId :

PAT-01-100322

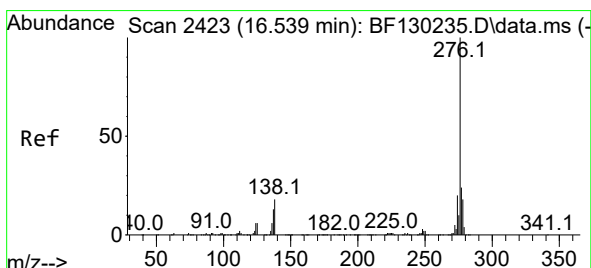
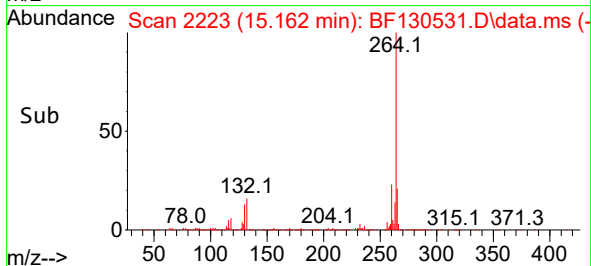
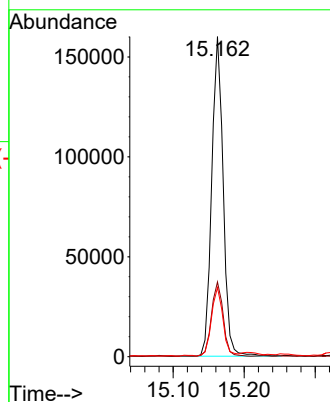
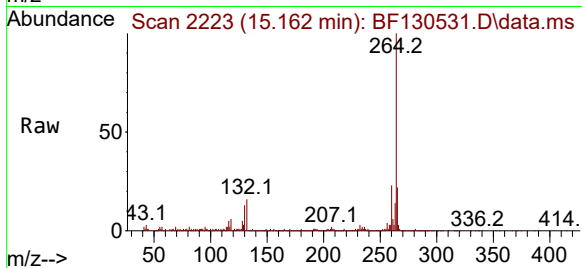
Tgt Ion:264 Resp: 179814

Ion Ratio Lower Upper

264 100

260 23.3 19.3 28.9

265 21.6 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.400 ng

RT: 16.474 min Scan# 2446

Delta R.T. -0.006 min

Lab File: BF130531.D

Acq: 05 Oct 2022 16:00

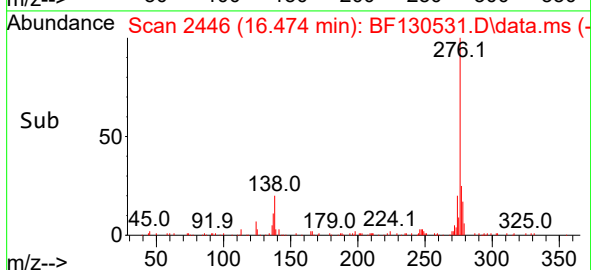
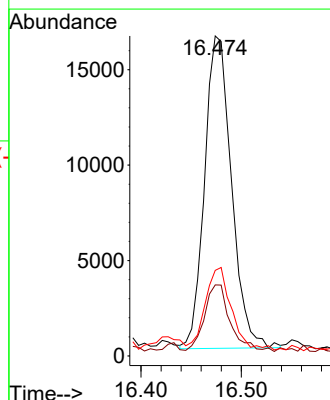
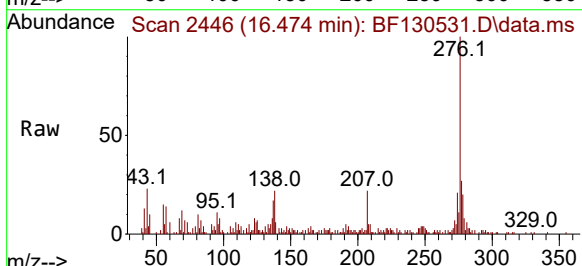
Tgt Ion:276 Resp: 30608

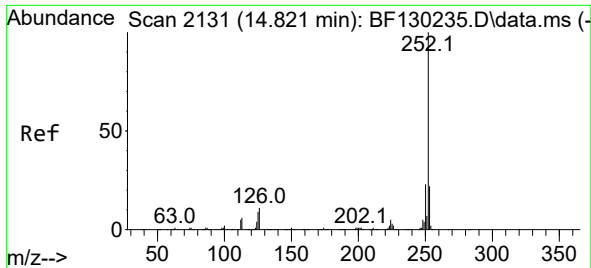
Ion Ratio Lower Upper

276 100

138 20.5 18.5 27.7

277 25.6 20.2 30.4

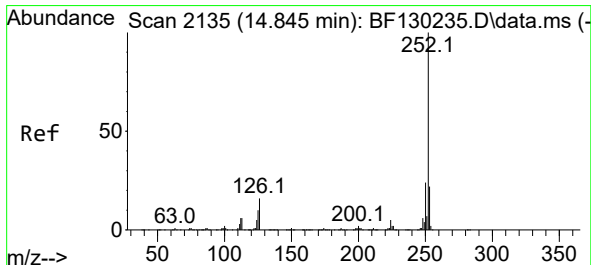
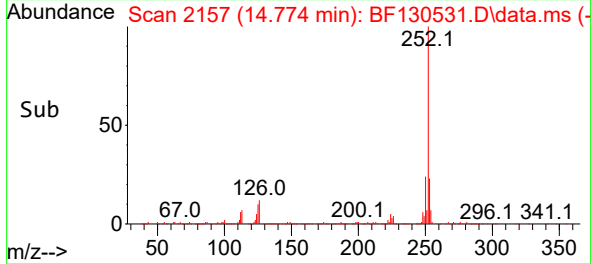
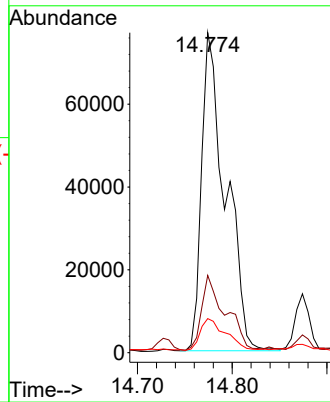
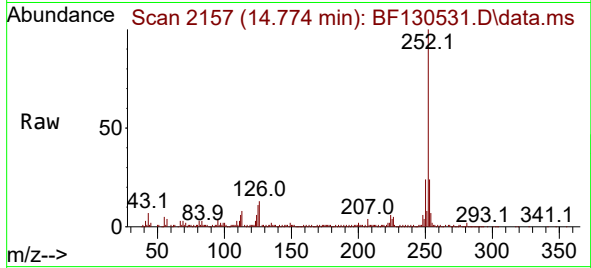




#88
Benzo(b)fluoranthene
Concen: 11.532 ng
RT: 14.774 min Scan# 2157
Delta R.T. -0.000 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

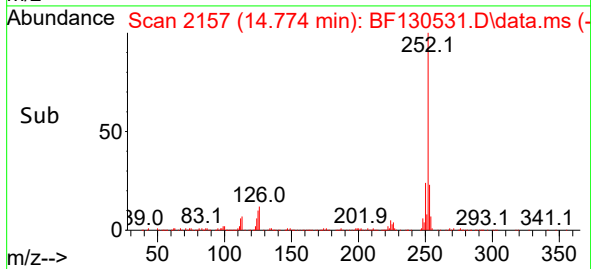
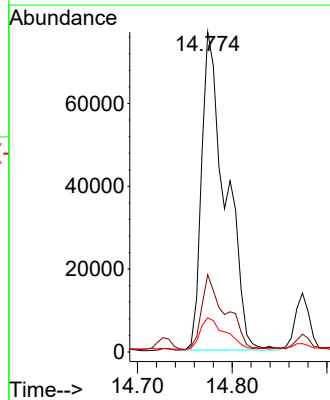
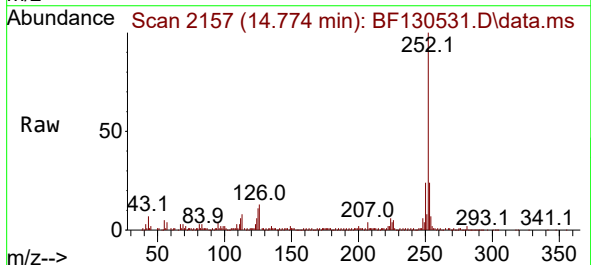
Instrument :
BNA_F
ClientSampleId :
PAT-01-100322

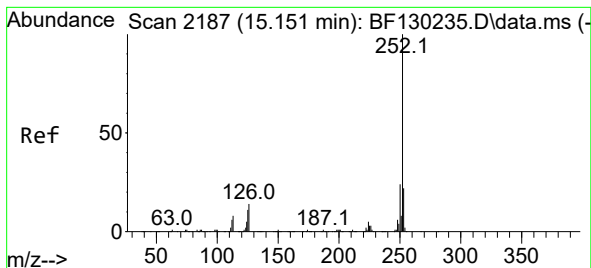
Tgt Ion:252 Resp: 135339
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 10.7 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 11.723 ng
RT: 14.774 min Scan# 2157
Delta R.T. -0.030 min
Lab File: BF130531.D
Acq: 05 Oct 2022 16:00

Tgt Ion:252 Resp: 135339
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 10.7 7.9 11.9





#90

Benzo(a)pyrene

Concen: 7.400 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF130531.D

Acq: 05 Oct 2022 16:00

Instrument :

BNA_F

ClientSampleId :

PAT-01-100322

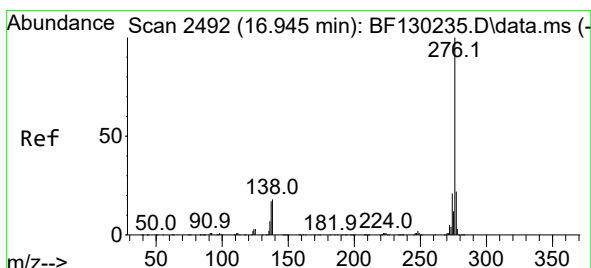
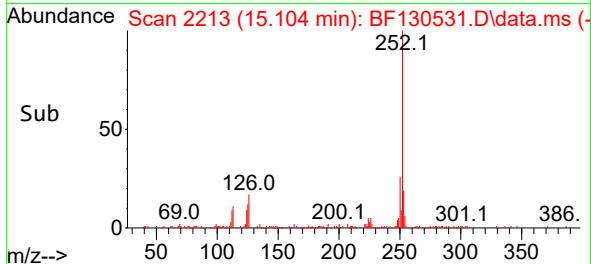
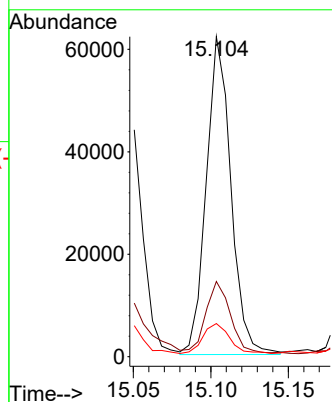
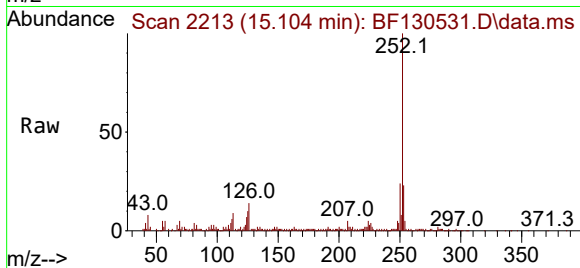
Tgt Ion:252 Resp: 68806

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 10.4 9.0 13.6



#92

Benzo(g,h,i)perylene

Concen: 2.711 ng

RT: 16.868 min Scan# 2513

Delta R.T. -0.006 min

Lab File: BF130531.D

Acq: 05 Oct 2022 16:00

Tgt Ion:276 Resp: 28572

Ion Ratio Lower Upper

276 100

277 25.9 18.6 27.8

138 20.9 14.6 21.8

