

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042522\
 Data File : BF127898.D
 Acq On : 25 Apr 2022 23:40
 Operator : CG\JU
 Sample : N2476-01DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-01-041922DL

Quant Time: Apr 26 05:41:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 00:43:03 2022
 Response via : Initial Calibration

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

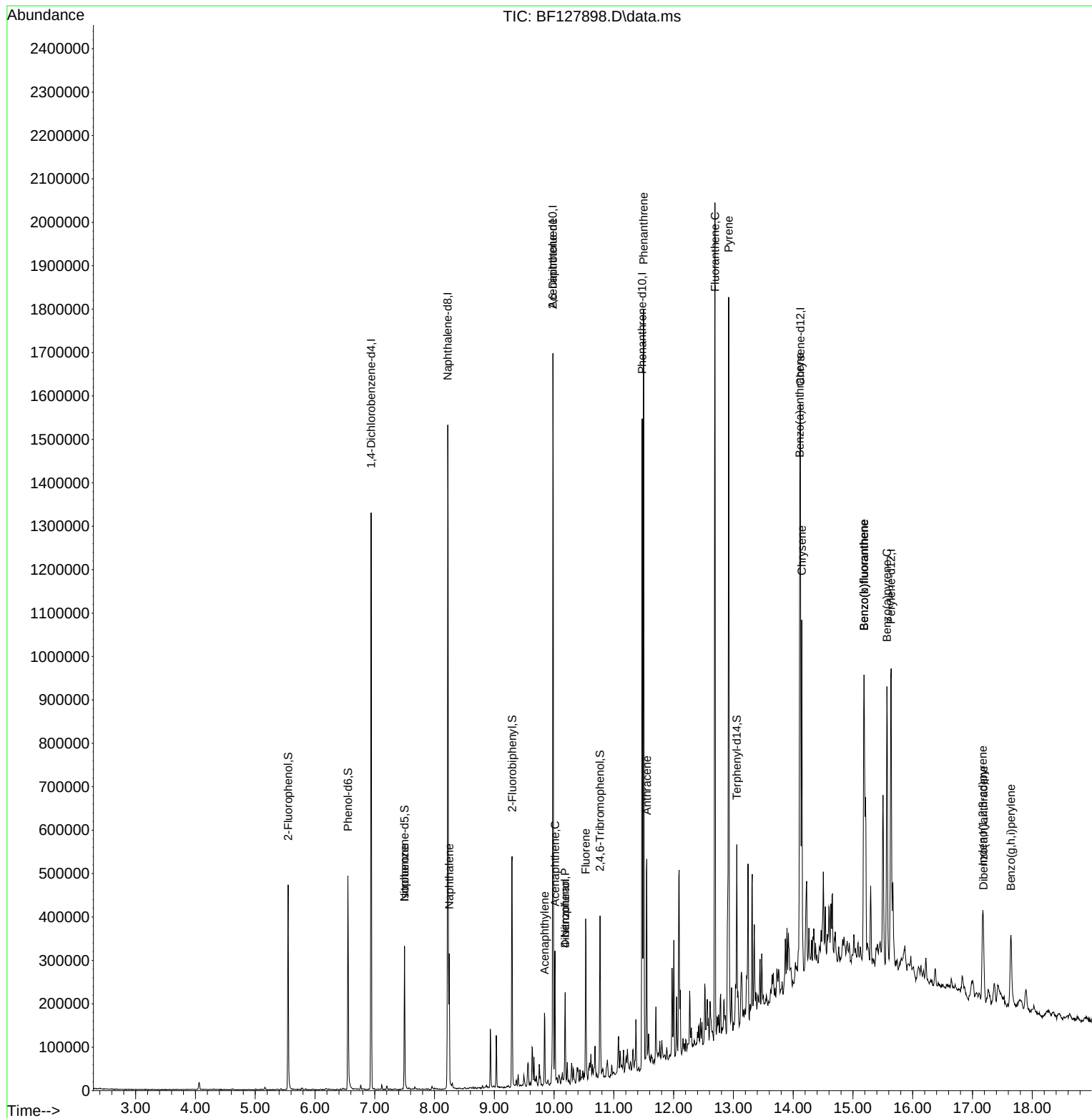
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	178407	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	664573	20.000	ng	0.00
39) Acenaphthene-d10	9.980	164	348323	20.000	ng	0.00
64) Phenanthrene-d10	11.474	188	525609	20.000	ng	0.00
76) Chrysene-d12	14.121	240	337538	20.000	ng	0.00
86) Perylene-d12	15.639	264	335099	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	120805	10.785	ng	-0.01
7) Phenol-d6	6.551	99	154030	10.598	ng	-0.02
23) Nitrobenzene-d5	7.498	82	100104	7.083	ng	-0.01
42) 2,4,6-Tribromophenol	10.769	330	31532	8.993	ng	-0.01
45) 2-Fluorobiphenyl	9.298	172	173692	8.436	ng	0.00
79) Terphenyl-d14	13.057	244	129353	7.008	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.498	82	100103	4.208	ng	# 68
31) Naphthalene	8.245	128	112849	3.334	ng	97
49) Acenaphthylene	9.845	152	62741	2.088	ng	99
51) 2,6-Dinitrotoluene	9.980	165	47222	9.336	ng	# 21
52) Acenaphthene	10.016	154	57676	2.855	ng	98
55) Dibenzofuran	10.186	168	68940	2.366	ng	97
56) 4-Nitrophenol	10.186	139	26689	6.223	ng	# 2
58) Fluorene	10.527	166	106424	4.894	ng	98
71) Phenanthrene	11.498	178	589357	21.421	ng	99
72) Anthracene	11.551	178	185599	6.772	ng	98
75) Fluoranthene	12.692	202	732299	25.289	ng	98
78) Pyrene	12.921	202	665933	24.440	ng	99
81) Benzo(a)anthracene	14.110	228	355945	15.821	ng	94
83) Chrysene	14.145	228	297829	13.861	ng	97
87) Indeno(1,2,3-cd)pyrene	17.174	276	155644	6.959	ng	95
88) Benzo(b)fluoranthene	15.186	252	564144	26.804	ng	97
89) Benzo(k)fluoranthene	15.186	252	564144	26.605	ng	96
90) Benzo(a)pyrene	15.568	252	308011	17.643	ng	99
91) Dibenzo(a,h)anthracene	17.186	278	39798	2.219	ng	93
92) Benzo(g,h,i)perylene	17.645	276	144783	7.659	ng	99

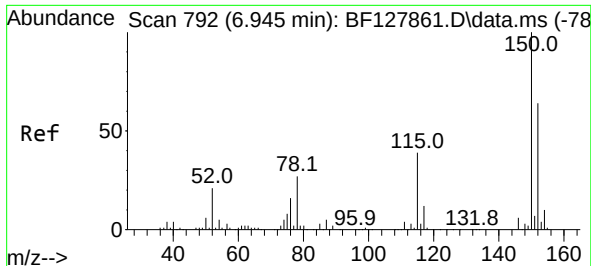
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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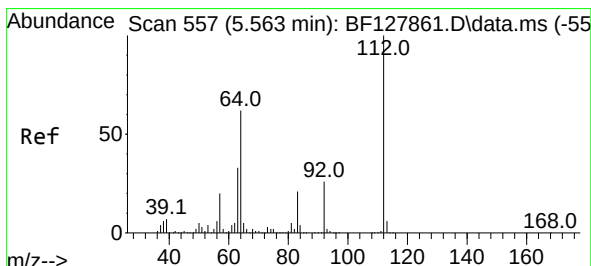
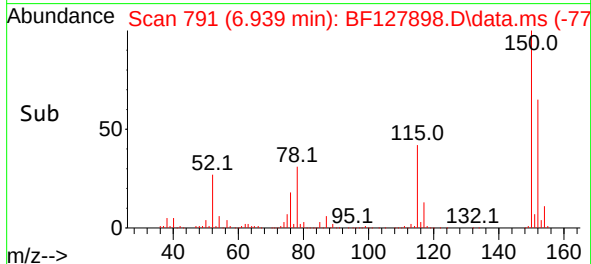
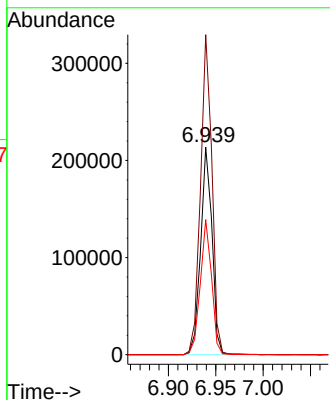
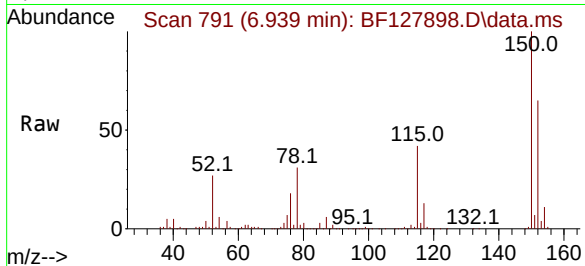




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

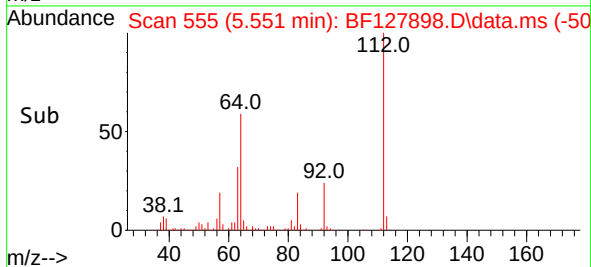
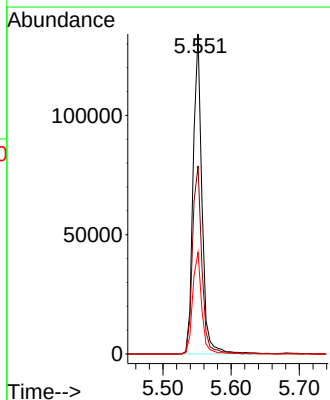
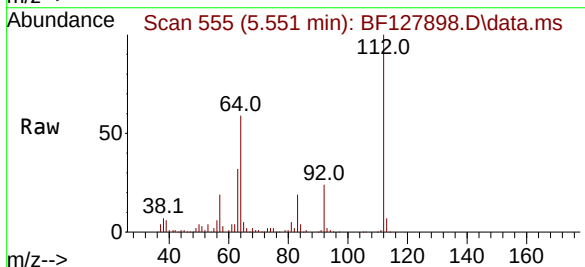
Instrument :
BNA_F
ClientSampleId :
PAT-01-041922DL

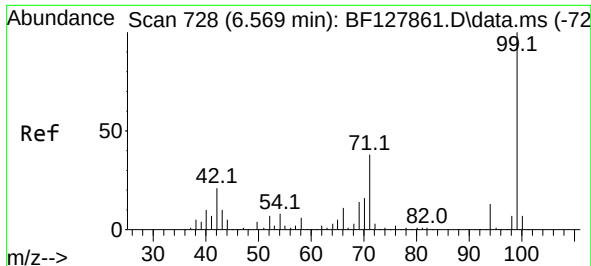
Tgt Ion:152 Resp: 178407
Ion Ratio Lower Upper
152 100
150 154.3 125.3 187.9
115 65.1 48.8 73.2



#5
2-Fluorophenol
Concen: 10.785 ng
RT: 5.551 min Scan# 555
Delta R.T. -0.012 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Tgt Ion:112 Resp: 120805
Ion Ratio Lower Upper
112 100
64 58.8 49.5 74.3
63 31.7 26.3 39.5

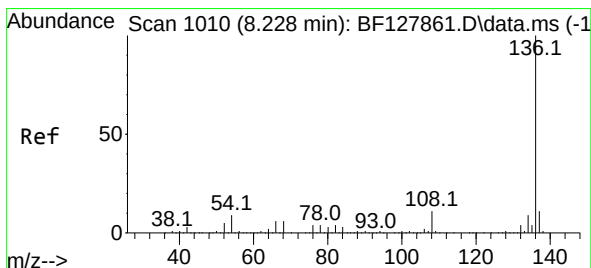
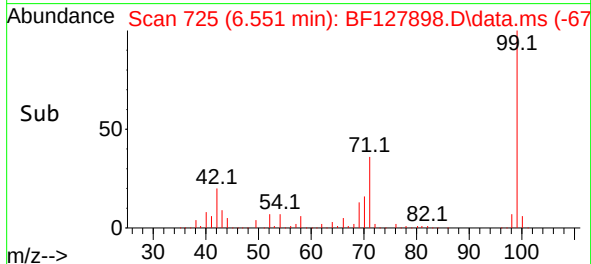
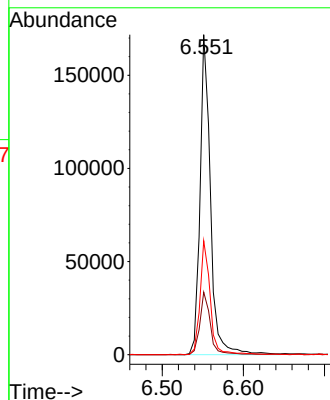
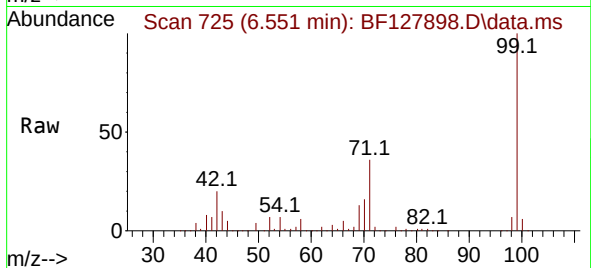




#7
Phenol-d6
Concen: 10.598 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

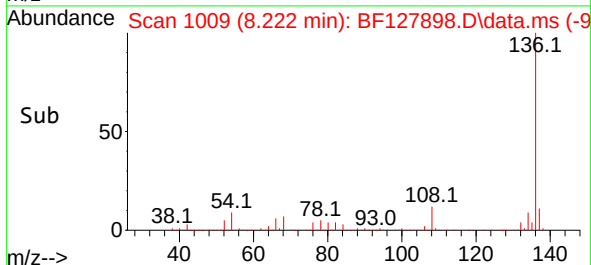
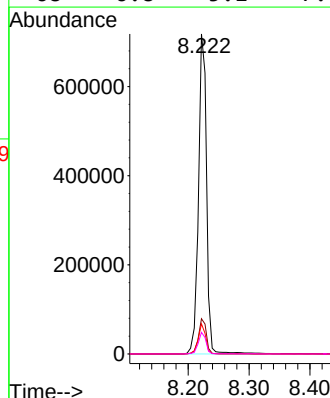
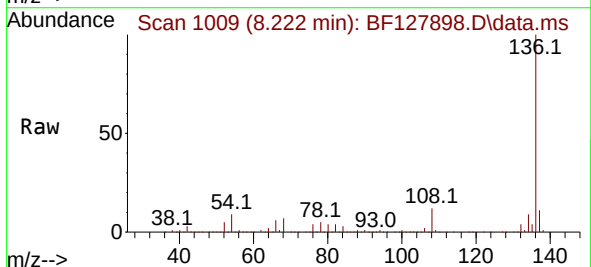
Instrument :
BNA_F
ClientSampleId :
PAT-01-041922DL

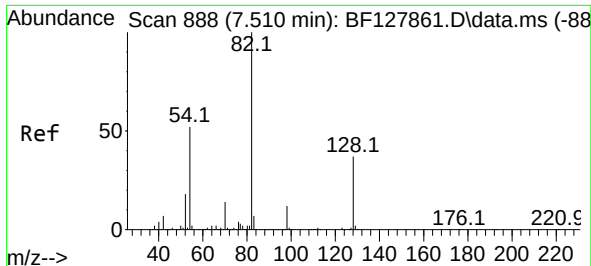
Tgt Ion: 99 Resp: 154030
Ion Ratio Lower Upper
99 100
42 19.5 16.6 24.8
71 35.6 30.0 45.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Tgt Ion: 136 Resp: 664573
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.4 6.8 10.2
68 6.8 5.1 7.7





#23

Nitrobenzene-d5

Concen: 7.083 ng

RT: 7.498 min Scan# 886

Delta R.T. -0.012 min

Lab File: BF127898.D

Acq: 25 Apr 2022 23:40

Instrument :

BNA_F

ClientSampleId :

PAT-01-041922DL

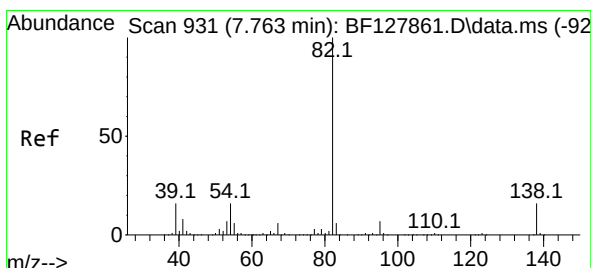
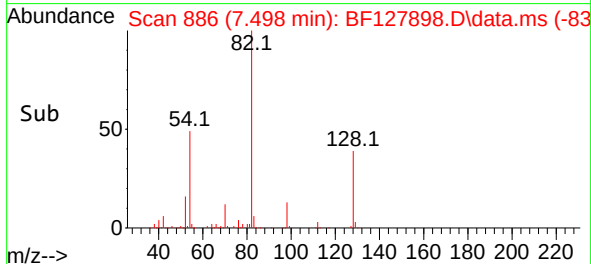
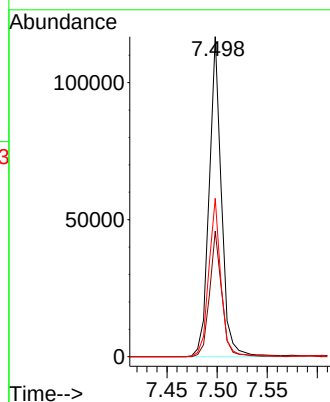
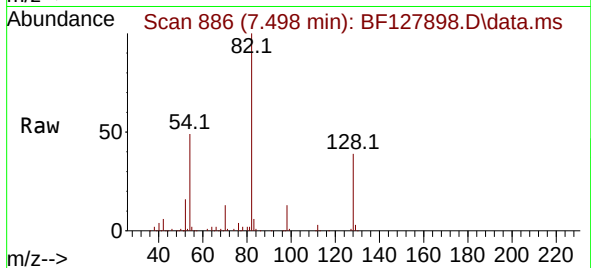
Tgt Ion: 82 Resp: 100104

Ion Ratio Lower Upper

82 100

128 39.2 30.0 45.0

54 49.5 41.3 61.9



#25

Isophorone

Concen: 4.208 ng

RT: 7.498 min Scan# 886

Delta R.T. -0.265 min

Lab File: BF127898.D

Acq: 25 Apr 2022 23:40

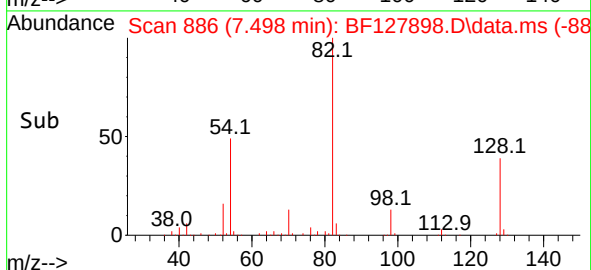
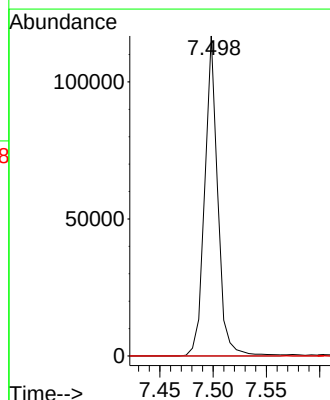
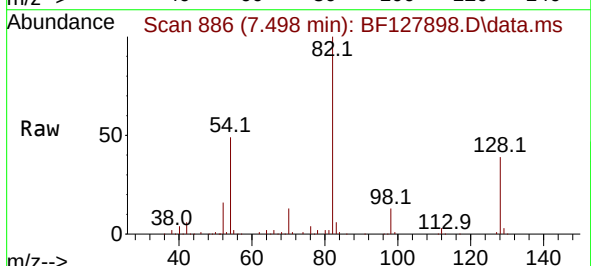
Tgt Ion: 82 Resp: 100103

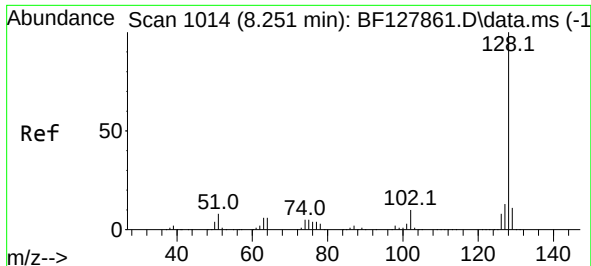
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 12.5 18.7#

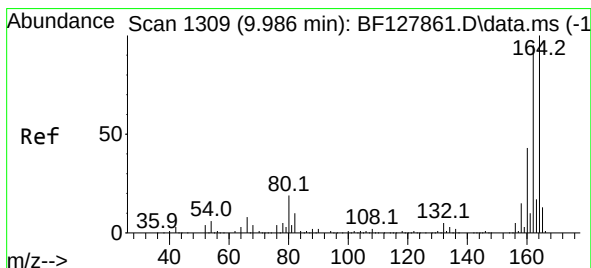
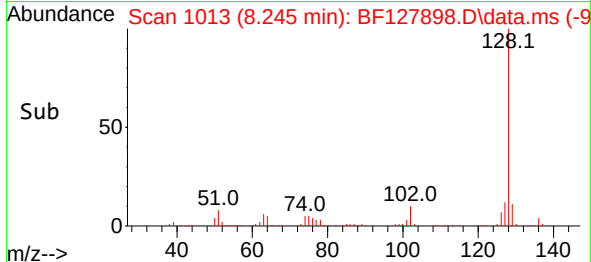
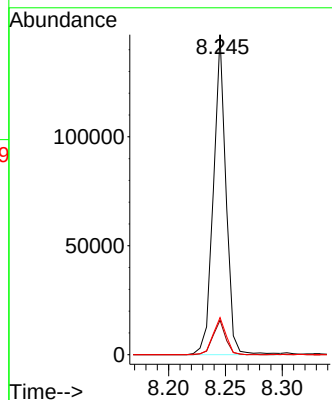
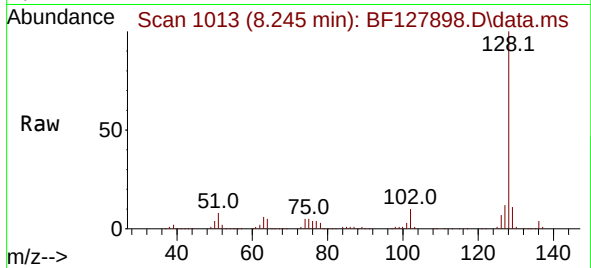




#31
Naphthalene
Concen: 3.334 ng
RT: 8.245 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

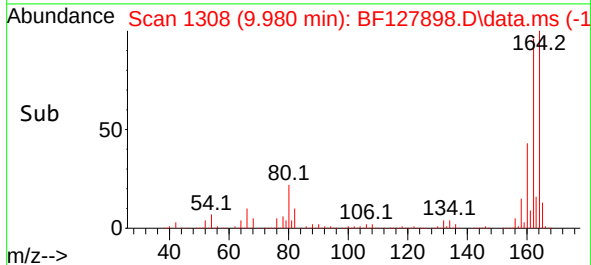
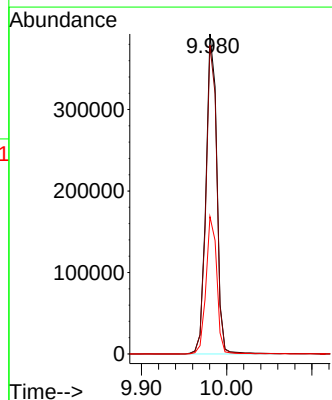
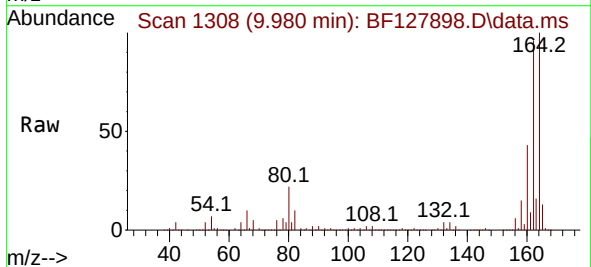
Instrument :
BNA_F
ClientSampleId :
PAT-01-041922DL

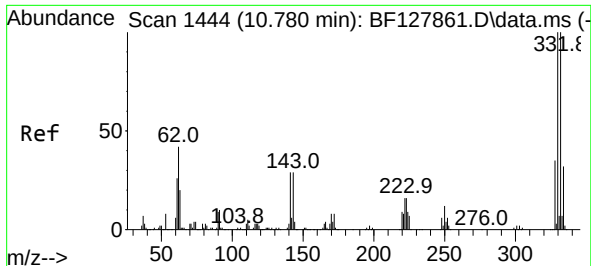
Tgt Ion:128 Resp: 112849
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.4
127 11.6 10.6 16.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.980 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Tgt Ion:164 Resp: 348323
Ion Ratio Lower Upper
164 100
162 96.5 76.0 114.0
160 42.9 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 8.993 ng

RT: 10.769 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF127898.D

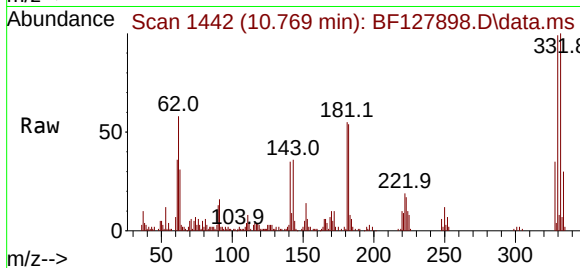
Acq: 25 Apr 2022 23:40

Instrument :

BNA_F

ClientSampleId :

PAT-01-041922DL



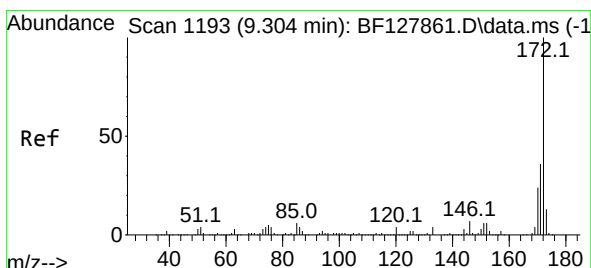
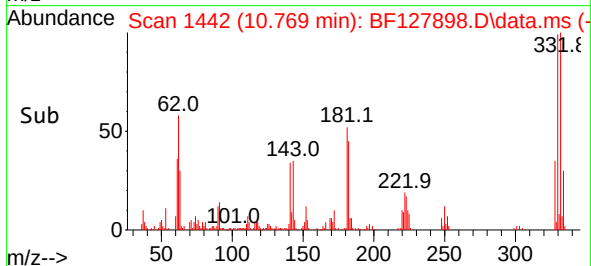
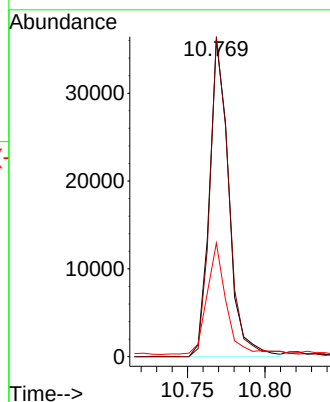
Tgt Ion:330 Resp: 31532

Ion Ratio Lower Upper

330 100

332 101.5 79.0 118.4

141 35.1 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 8.436 ng

RT: 9.298 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF127898.D

Acq: 25 Apr 2022 23:40

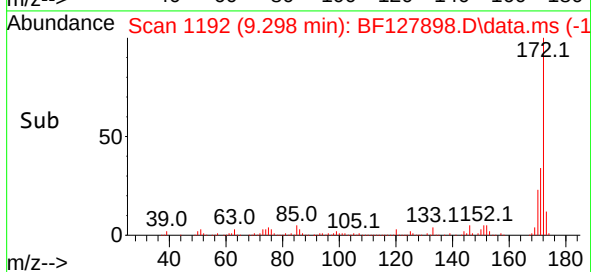
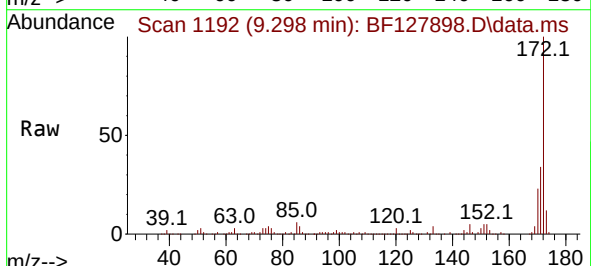
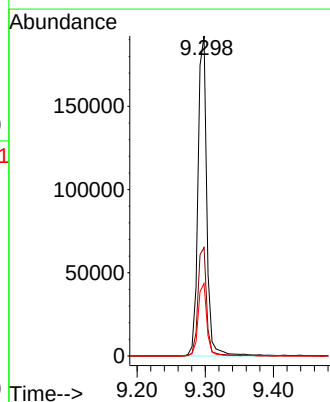
Tgt Ion:172 Resp: 173692

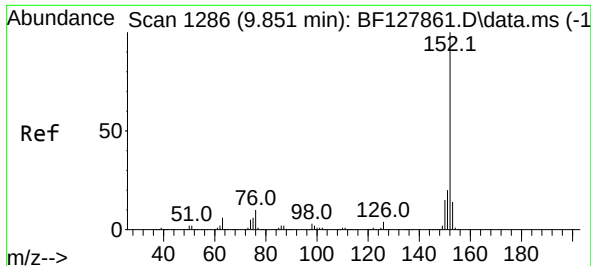
Ion Ratio Lower Upper

172 100

171 33.9 28.6 42.8

170 22.7 19.1 28.7





#49

Acenaphthylene

Concen: 2.088 ng

RT: 9.845 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF127898.D

Acq: 25 Apr 2022 23:40

Instrument :

BNA_F

ClientSampleId :

PAT-01-041922DL

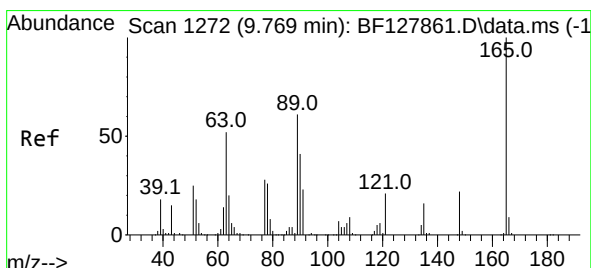
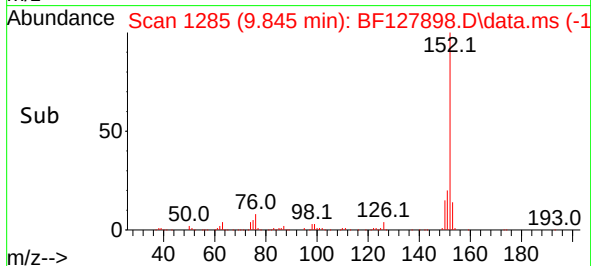
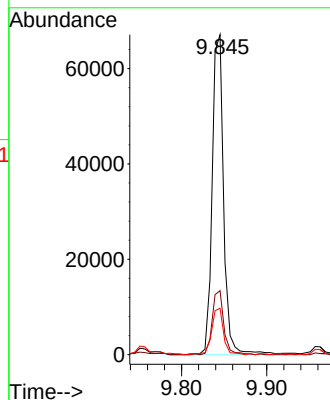
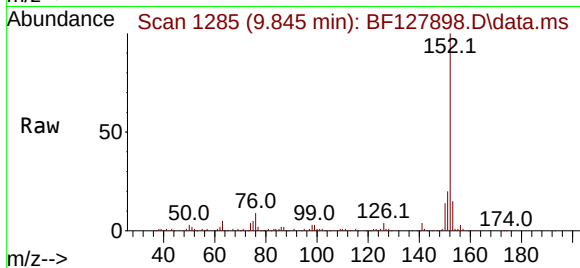
Tgt Ion:152 Resp: 62741

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.2

153 14.5 11.2 16.8



#51

2,6-Dinitrotoluene

Concen: 9.336 ng

RT: 9.980 min Scan# 1308

Delta R.T. 0.211 min

Lab File: BF127898.D

Acq: 25 Apr 2022 23:40

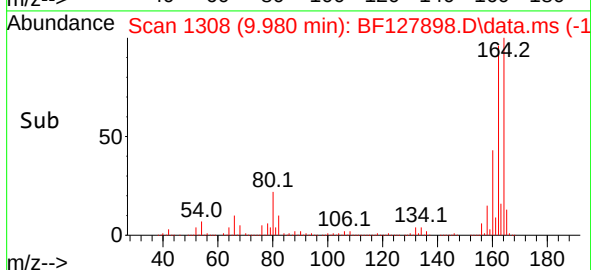
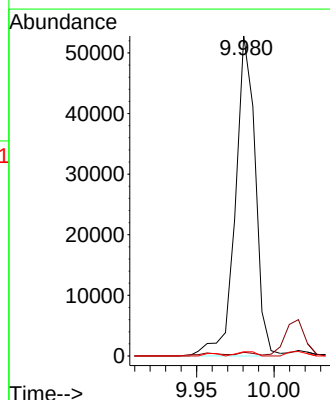
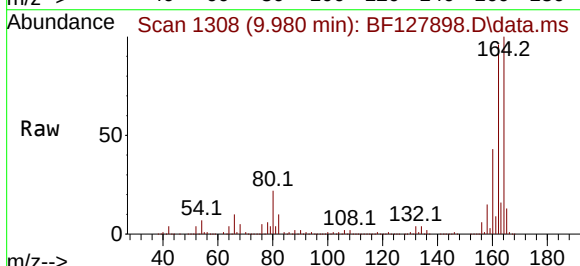
Tgt Ion:165 Resp: 47222

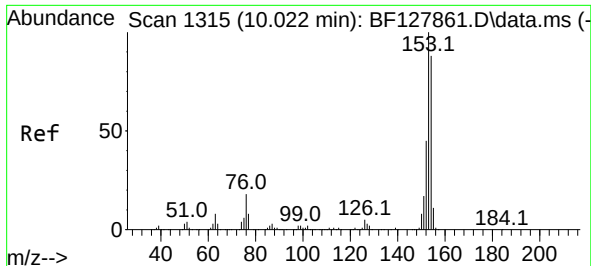
Ion Ratio Lower Upper

165 100

63 1.1 49.5 74.3#

89 1.3 49.0 73.4#

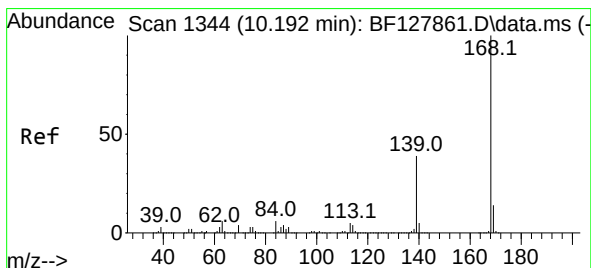
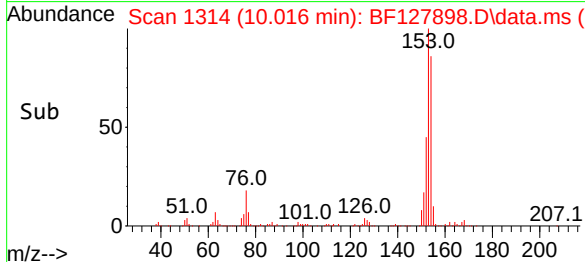
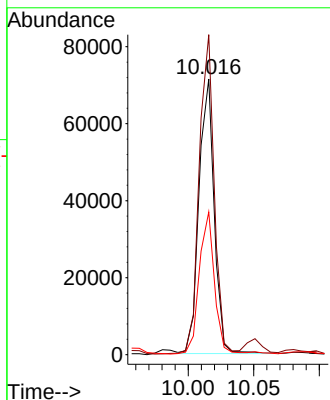
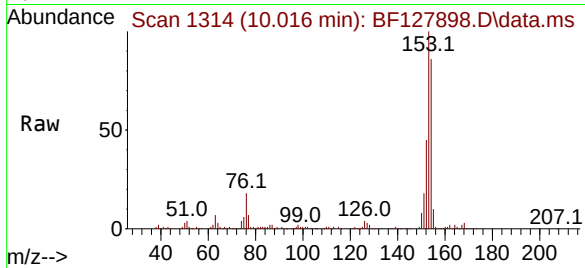




#52
Acenaphthene
Concen: 2.855 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

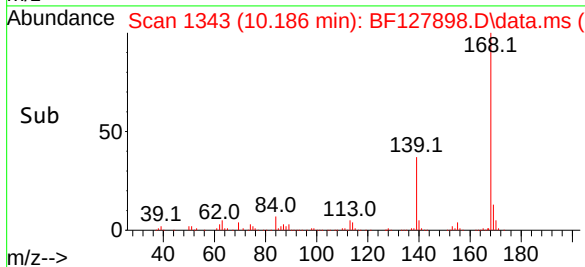
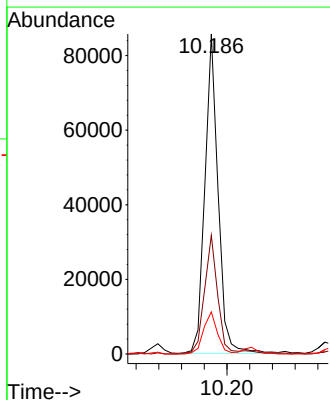
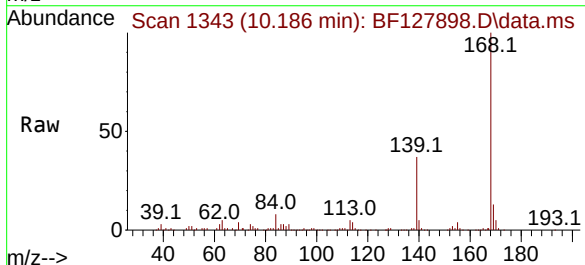
Instrument :
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PAT-01-041922DL

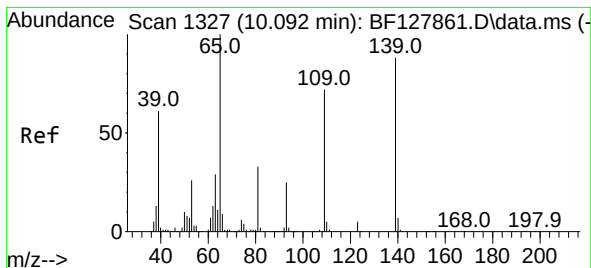
Tgt Ion:154 Resp: 57676
Ion Ratio Lower Upper
154 100
153 116.1 90.5 135.7
152 51.8 41.0 61.6



#55
Dibenzofuran
Concen: 2.366 ng
RT: 10.186 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Tgt Ion:168 Resp: 68940
Ion Ratio Lower Upper
168 100
139 37.1 31.7 47.5
169 13.2 10.9 16.3





#56

4-Nitrophenol

Concen: 6.223 ng

RT: 10.186 min Scan# 11

Delta R.T. 0.094 min

Lab File: BF127898.D

Acq: 25 Apr 2022 23:40

Instrument :

BNA_F

ClientSampleId :

PAT-01-041922DL

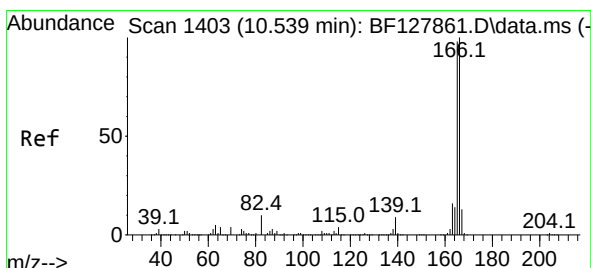
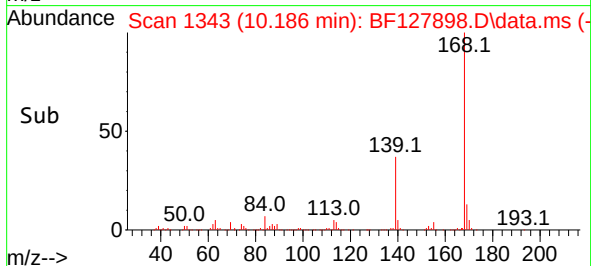
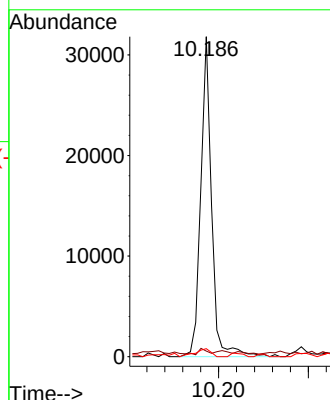
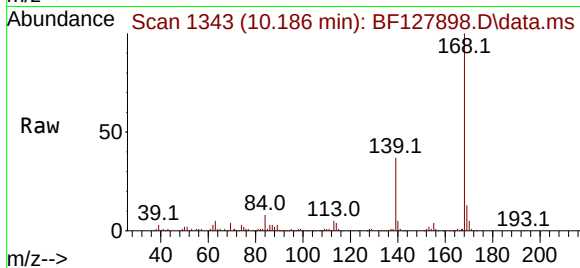
Tgt Ion:139 Resp: 26689

Ion Ratio Lower Upper

139 100

109 1.7 61.9 101.9#

65 2.5 93.5 133.5#



#58

Fluorene

Concen: 4.894 ng

RT: 10.527 min Scan# 1401

Delta R.T. -0.012 min

Lab File: BF127898.D

Acq: 25 Apr 2022 23:40

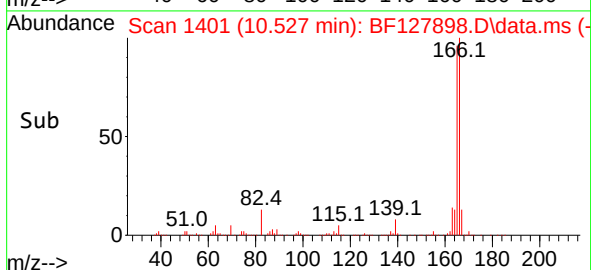
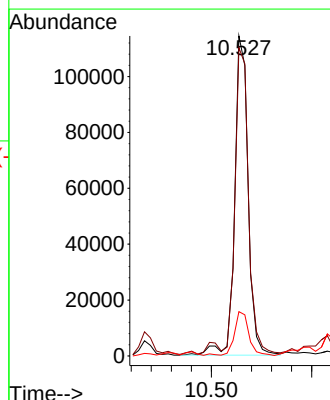
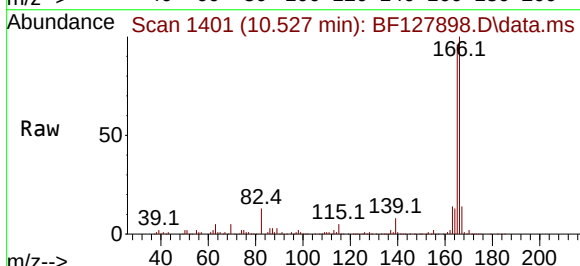
Tgt Ion:166 Resp: 106424

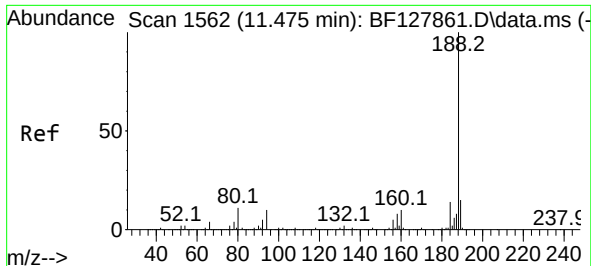
Ion Ratio Lower Upper

166 100

165 96.3 78.6 117.8

167 13.9 10.5 15.7

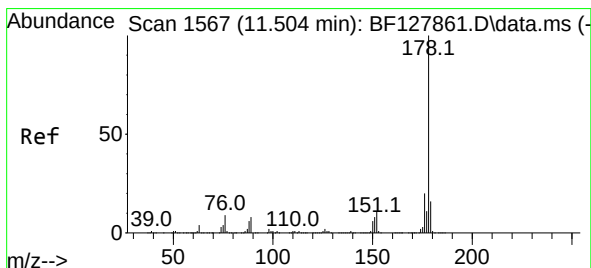
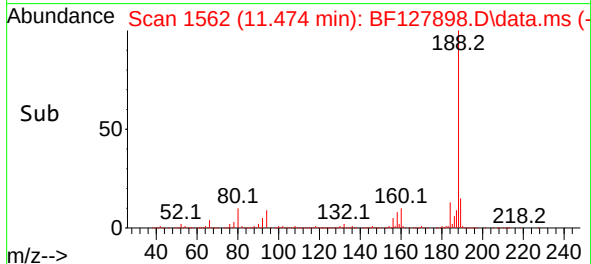
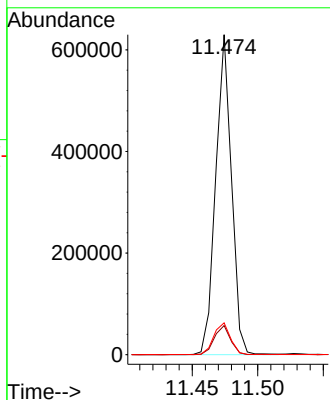
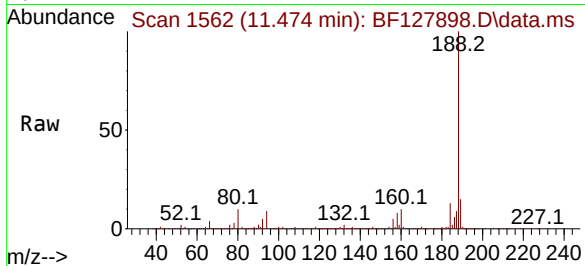




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.474 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

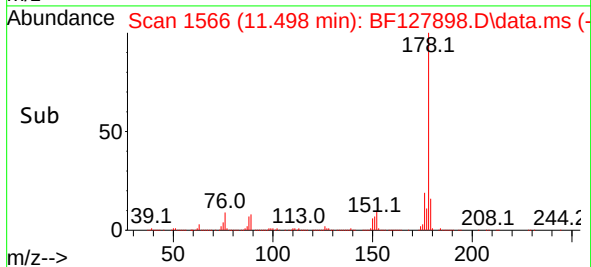
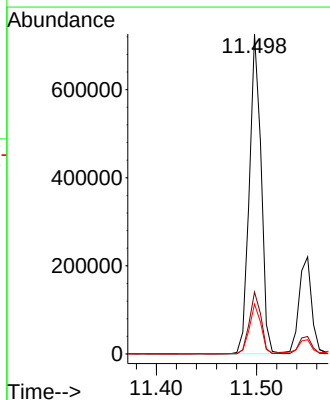
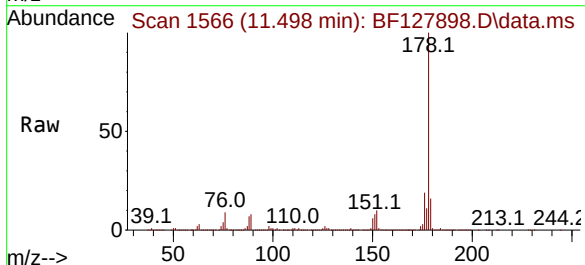
Instrument :
BNA_F
ClientSampleId :
PAT-01-041922DL

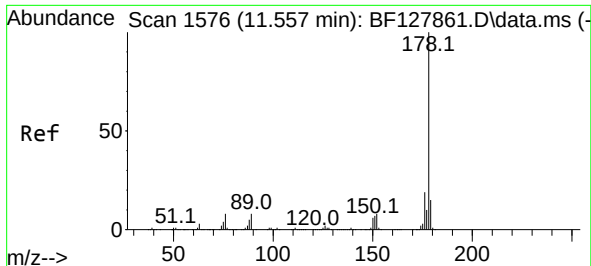
Tgt Ion:188 Resp: 525609
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 10.0 8.9 13.3



#71
Phenanthrene
Concen: 21.421 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Tgt Ion:178 Resp: 589357
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.6 12.6 19.0

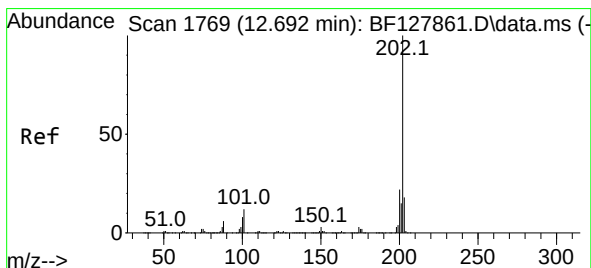
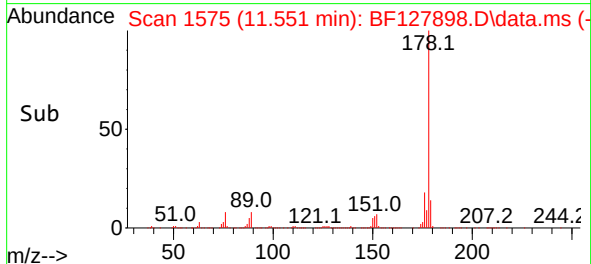
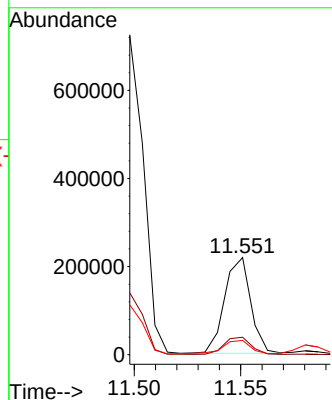
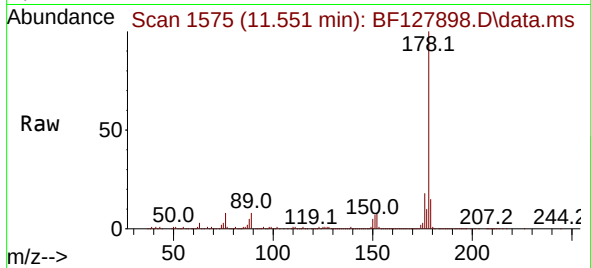




#72
 Anthracene
 Concen: 6.772 ng
 RT: 11.551 min Scan# 1157
 Delta R.T. -0.006 min
 Lab File: BF127898.D
 Acq: 25 Apr 2022 23:40

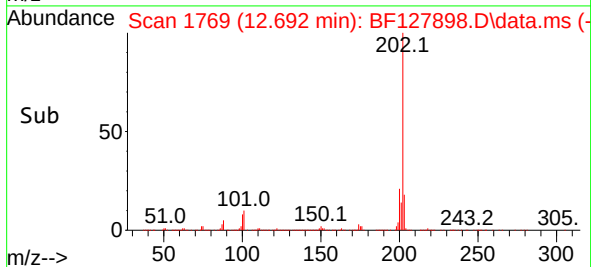
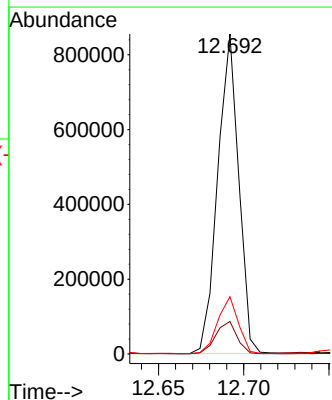
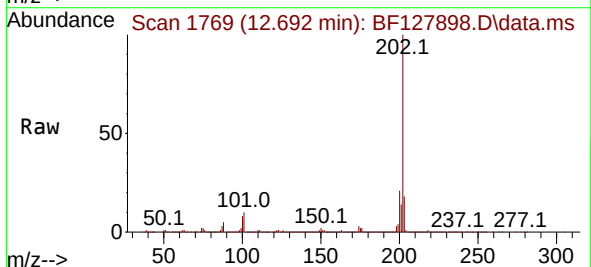
Instrument :
 BNA_F
 ClientSampleId :
 PAT-01-041922DL

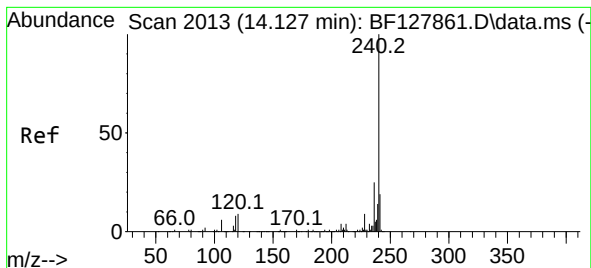
Tgt Ion:178 Resp: 185599
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.0 22.6
 179 14.7 12.4 18.6



#75
 Fluoranthene
 Concen: 25.289 ng
 RT: 12.692 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: BF127898.D
 Acq: 25 Apr 2022 23:40

Tgt Ion:202 Resp: 732299
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.6
 203 17.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127898.D

Acq: 25 Apr 2022 23:40

Instrument :

BNA_F

ClientSampleId :

PAT-01-041922DL

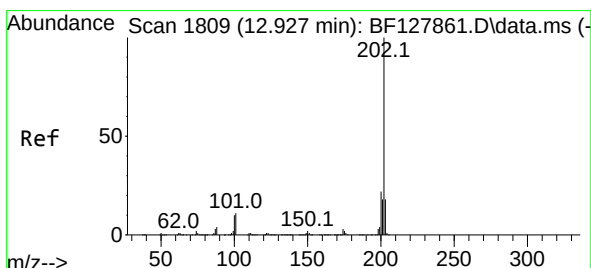
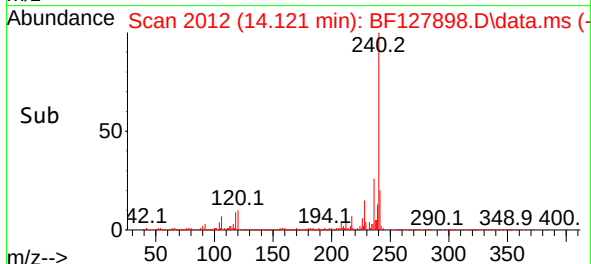
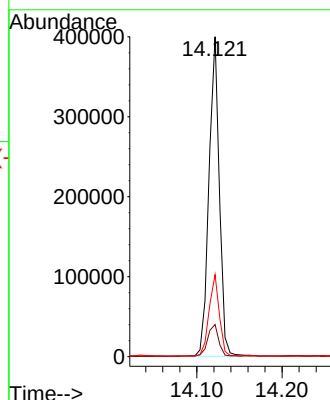
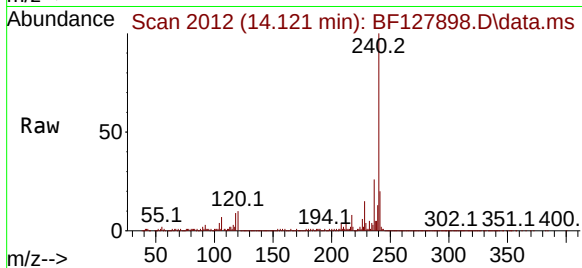
Tgt Ion:240 Resp: 337538

Ion Ratio Lower Upper

240 100

120 10.1 7.0 10.6

236 25.7 20.3 30.5



#78

Pyrene

Concen: 24.440 ng

RT: 12.921 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF127898.D

Acq: 25 Apr 2022 23:40

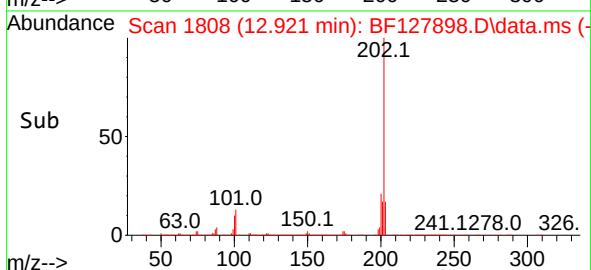
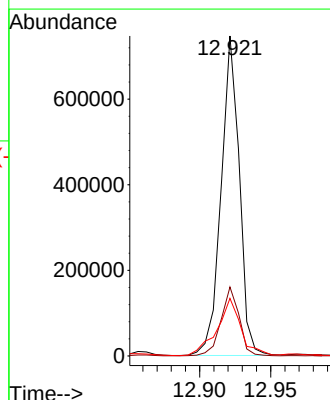
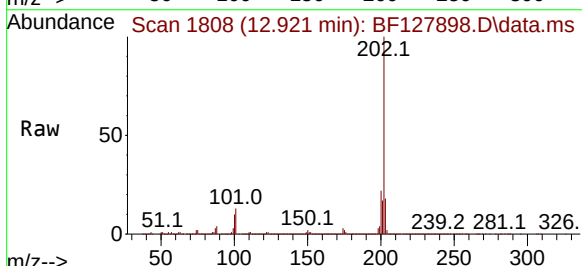
Tgt Ion:202 Resp: 665933

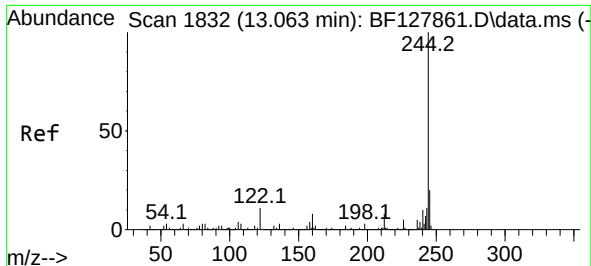
Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

203 18.0 14.0 21.0

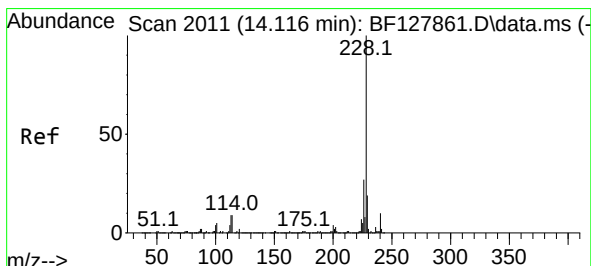
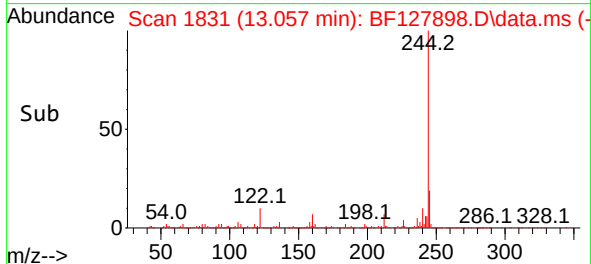
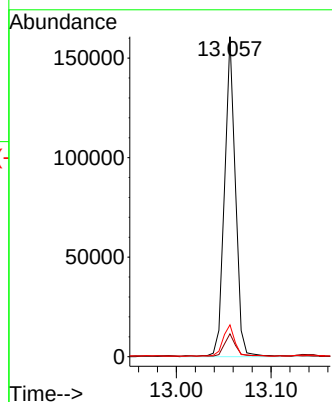
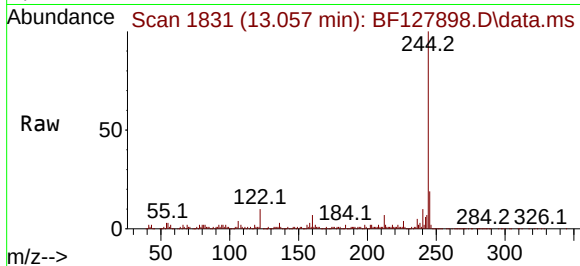




#79
 Terphenyl-d14
 Concen: 7.008 ng
 RT: 13.057 min Scan# 1832
 Delta R.T. -0.006 min
 Lab File: BF127898.D
 Acq: 25 Apr 2022 23:40

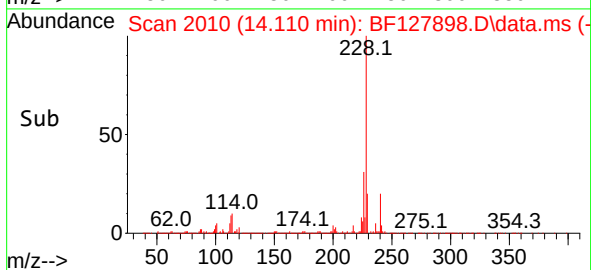
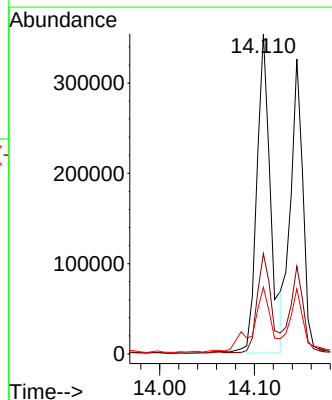
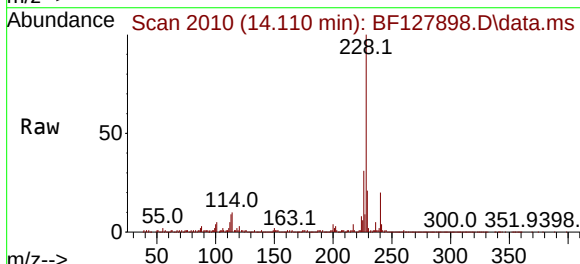
Instrument :
 BNA_F
 ClientSampleId :
 PAT-01-041922DL

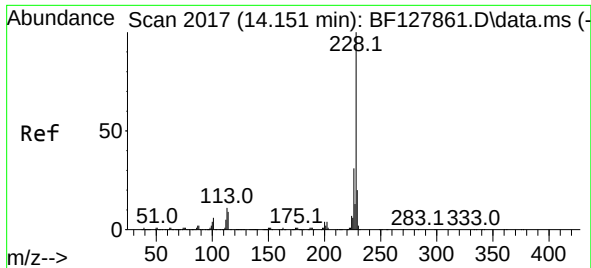
Tgt Ion:244 Resp: 129353
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.4
 122 10.0 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 15.821 ng
 RT: 14.110 min Scan# 2010
 Delta R.T. -0.006 min
 Lab File: BF127898.D
 Acq: 25 Apr 2022 23:40

Tgt Ion:228 Resp: 355945
 Ion Ratio Lower Upper
 228 100
 226 31.4 21.7 32.5
 229 20.9 15.4 23.2

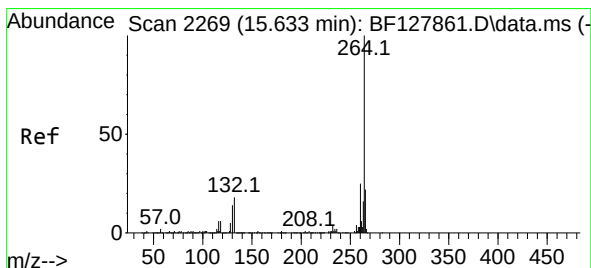
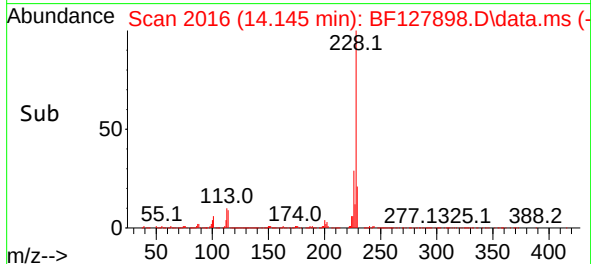
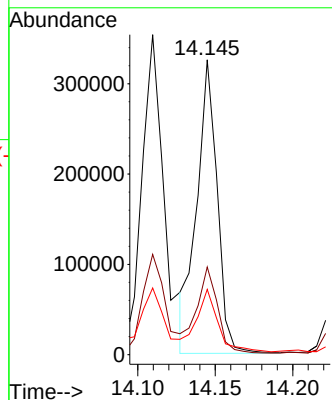
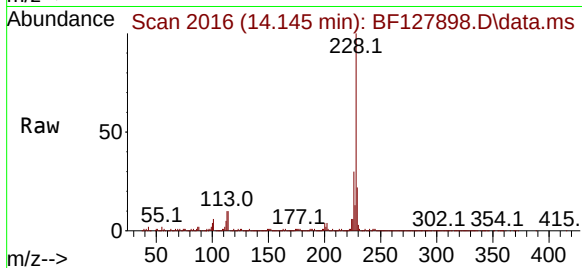




#83
Chrysene
Concen: 13.861 ng
RT: 14.145 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

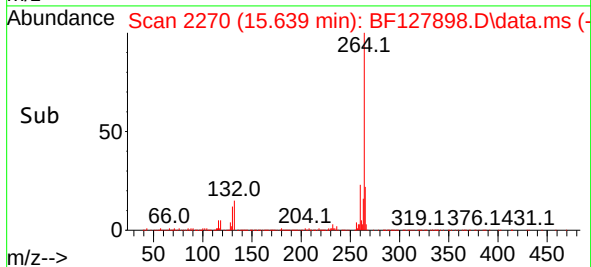
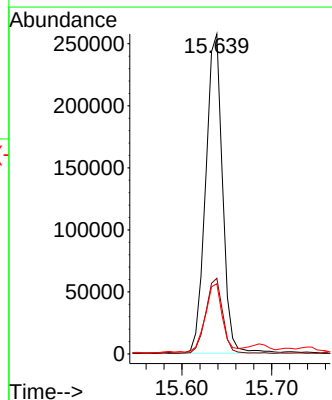
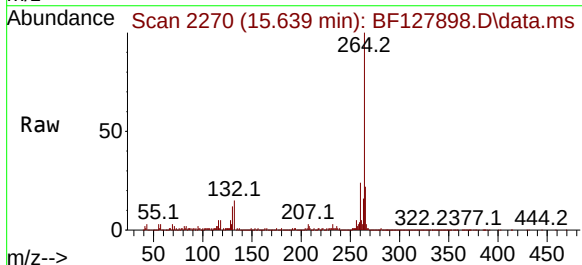
Instrument :
BNA_F
ClientSampleId :
PAT-01-041922DL

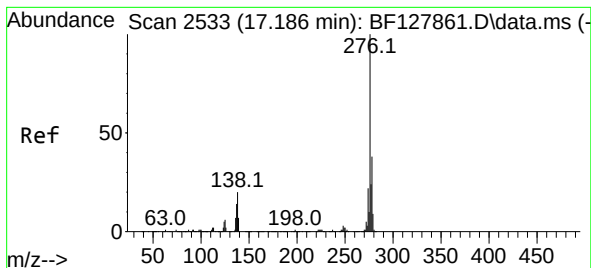
Tgt Ion:228 Resp: 297829
Ion Ratio Lower Upper
228 100
226 29.7 24.4 36.6
229 22.1 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Tgt Ion:264 Resp: 335099
Ion Ratio Lower Upper
264 100
260 23.6 20.1 30.1
265 22.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.959 ng

RT: 17.174 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF127898.D

Acq: 25 Apr 2022 23:40

Instrument :

BNA_F

ClientSampleId :

PAT-01-041922DL

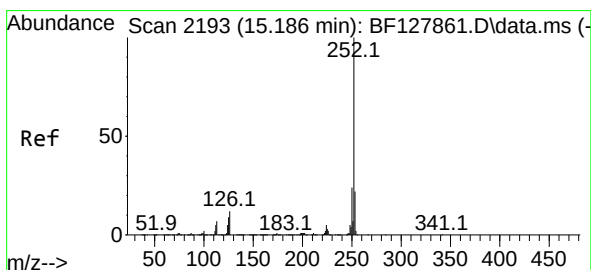
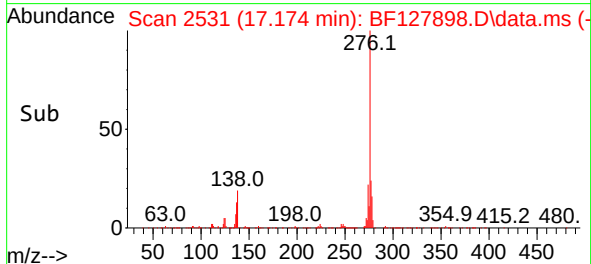
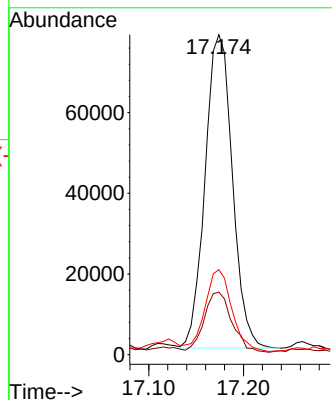
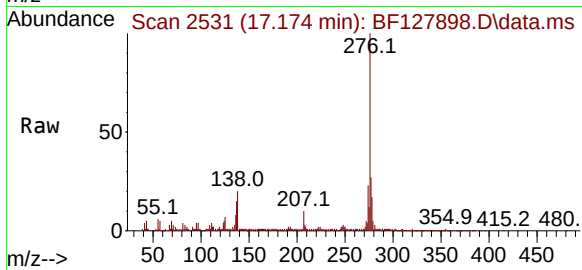
Tgt Ion:276 Resp: 155644

Ion Ratio Lower Upper

276 100

138 19.4 19.0 28.4

277 25.9 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 26.804 ng

RT: 15.186 min Scan# 2193

Delta R.T. -0.000 min

Lab File: BF127898.D

Acq: 25 Apr 2022 23:40

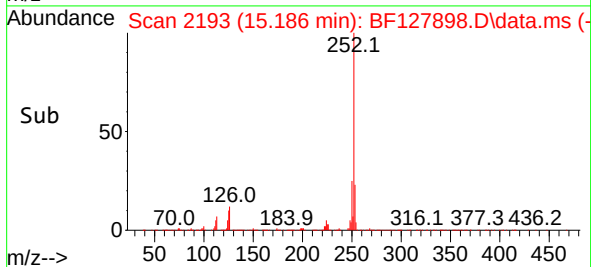
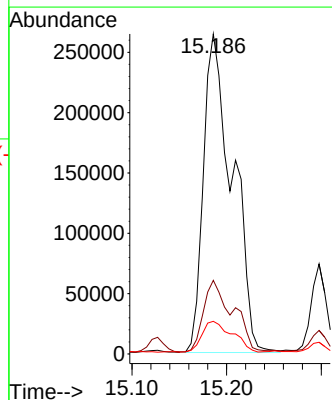
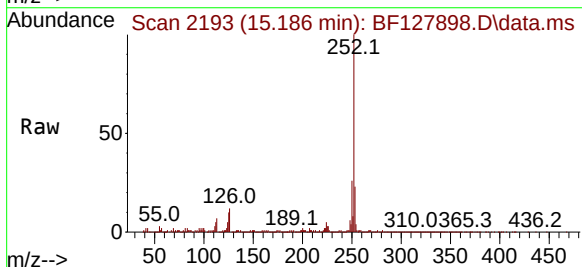
Tgt Ion:252 Resp: 564144

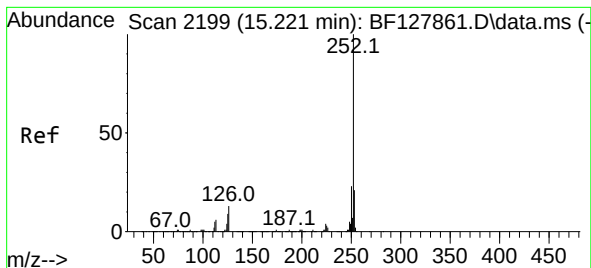
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

125 10.2 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 26.605 ng

RT: 15.186 min Scan# 2199

Delta R.T. -0.035 min

Lab File: BF127898.D

Acq: 25 Apr 2022 23:40

Instrument :

BNA_F

ClientSampleId :

PAT-01-041922DL

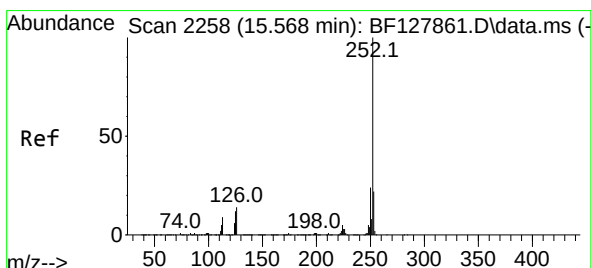
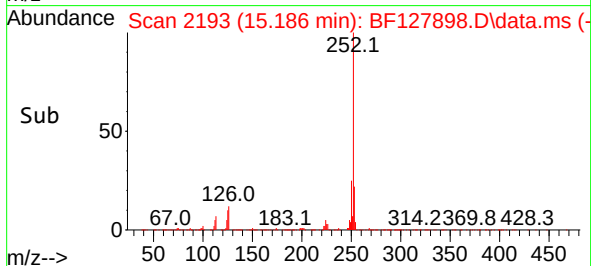
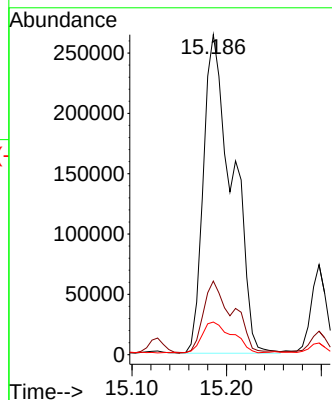
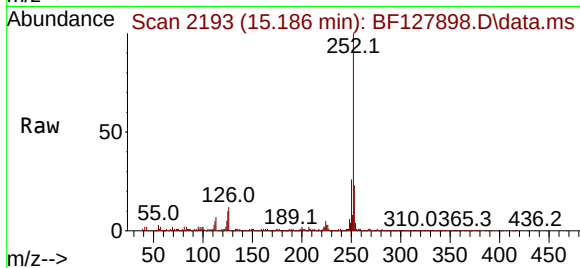
Tgt Ion:252 Resp: 564144

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.4

125 10.2 6.8 10.2



#90

Benzo(a)pyrene

Concen: 17.643 ng

RT: 15.568 min Scan# 2258

Delta R.T. -0.000 min

Lab File: BF127898.D

Acq: 25 Apr 2022 23:40

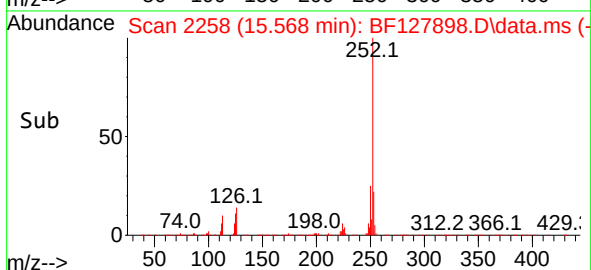
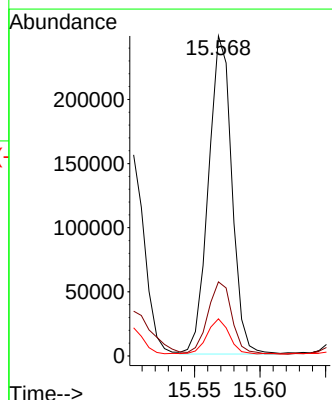
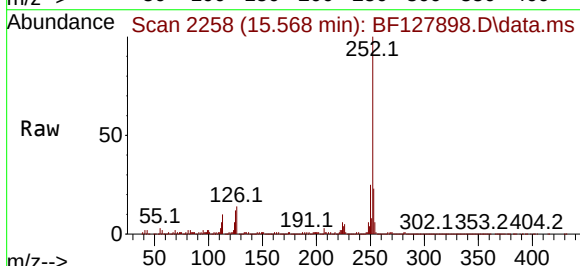
Tgt Ion:252 Resp: 308011

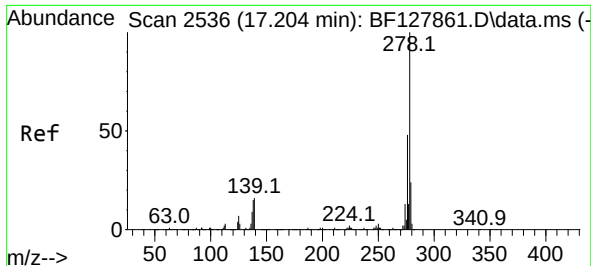
Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

125 11.6 9.2 13.8

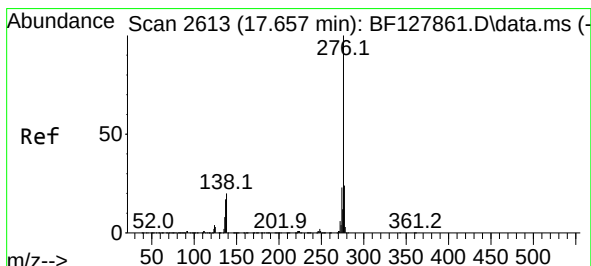
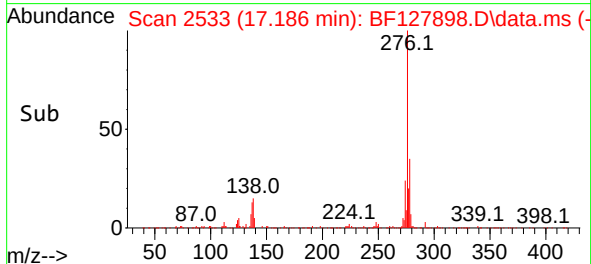
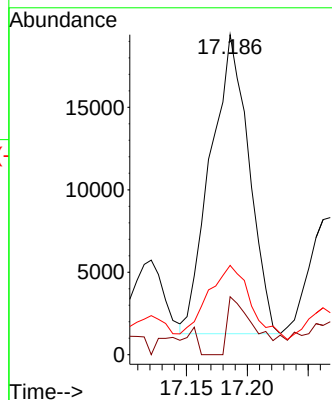
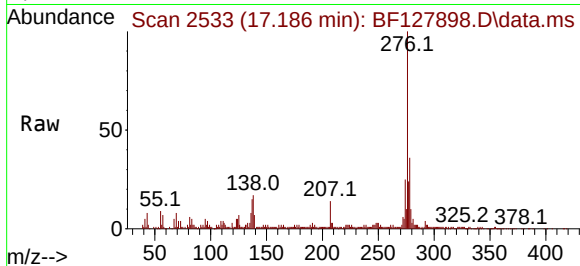




#91
Dibenzo(a,h)anthracene
Concen: 2.219 ng
RT: 17.186 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Instrument :
BNA_F
ClientSampleId :
PAT-01-041922DL

Tgt Ion:278 Resp: 39798
Ion Ratio Lower Upper
278 100
139 18.1 12.6 19.0
279 27.9 18.9 28.3



#92
Benzo(g,h,i)perylene
Concen: 7.659 ng
RT: 17.645 min Scan# 2611
Delta R.T. -0.012 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Tgt Ion:276 Resp: 144783
Ion Ratio Lower Upper
276 100
277 22.8 18.8 28.2
138 20.0 16.2 24.2

