

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042522\
 Data File : BF127899.D
 Acq On : 26 Apr 2022 00:08
 Operator : CG\JU
 Sample : N2476-05DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-041922DL

Quant Time: Apr 26 05:41:20 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)

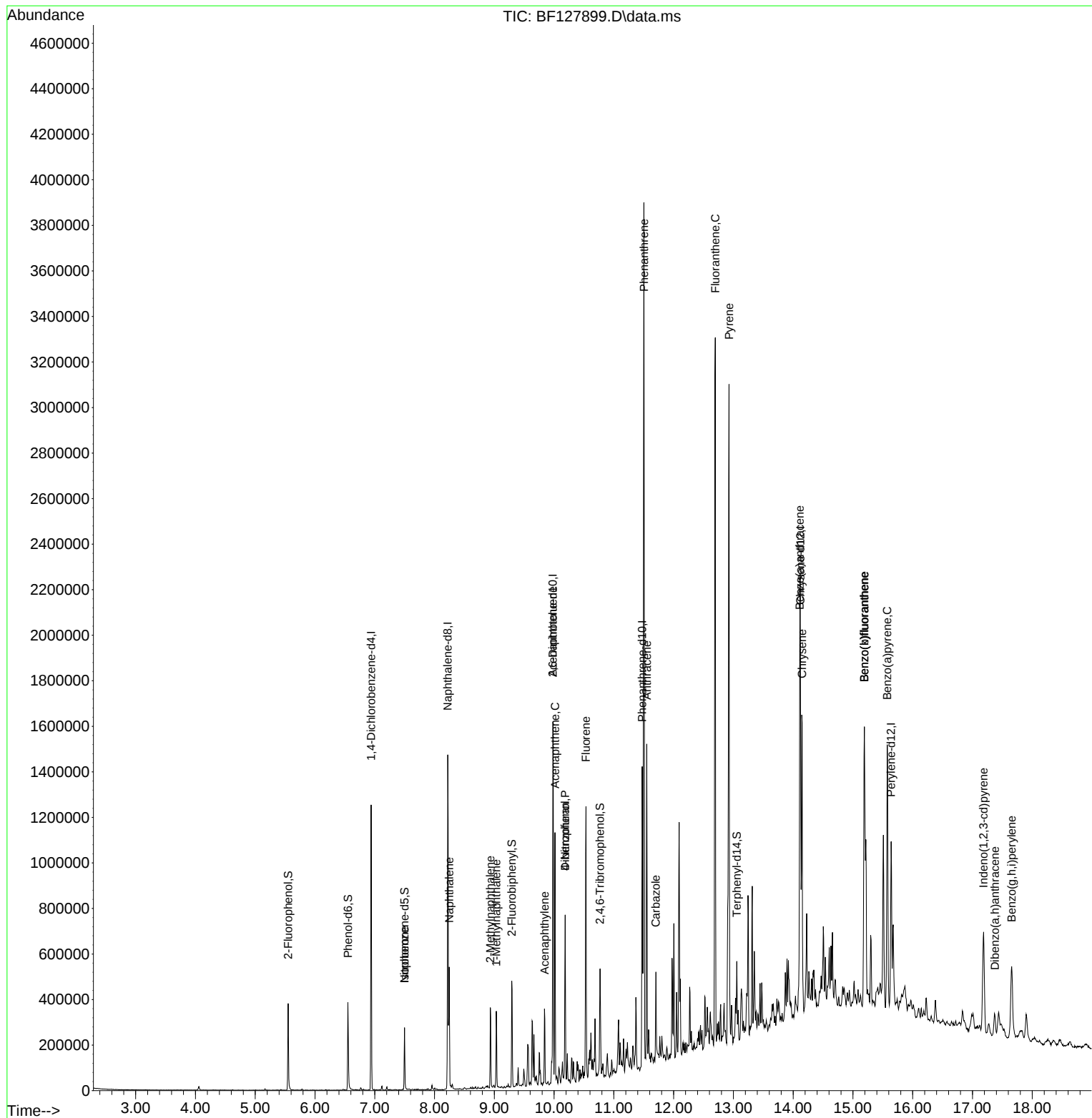
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	165516	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	628105	20.000	ng	0.00
39) Acenaphthene-d10	9.980	164	330132	20.000	ng	0.00
64) Phenanthrene-d10	11.475	188	510733	20.000	ng	0.00
76) Chrysene-d12	14.121	240	324790	20.000	ng	0.00
86) Perylene-d12	15.639	264	347373	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	95380	9.179	ng	-0.01
7) Phenol-d6	6.551	99	122647	9.096	ng	-0.02
23) Nitrobenzene-d5	7.498	82	78890	5.906	ng	-0.01
42) 2,4,6-Tribromophenol	10.769	330	25636	7.714	ng	-0.01
45) 2-Fluorobiphenyl	9.292	172	145349	7.448	ng	-0.01
79) Terphenyl-d14	13.057	244	102360	5.763	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.498	82	78889	3.509	ng	# 68
31) Naphthalene	8.245	128	197616	6.177	ng	98
37) 2-Methylnaphthalene	8.933	142	95957	4.539	ng	100
38) 1-Methylnaphthalene	9.033	142	81880	3.984	ng	99
49) Acenaphthylene	9.845	152	113206	3.975	ng	98
51) 2,6-Dinitrotoluene	9.980	165	49030	10.228	ng	# 21
52) Acenaphthene	10.016	154	209043	10.919	ng	98
55) Dibenzofuran	10.186	168	244634	8.857	ng	97
56) 4-Nitrophenol	10.186	139	88825	21.852	ng	# 2
58) Fluorene	10.533	166	324638	15.751	ng	100
71) Phenanthrene	11.504	178	1402371	52.455	ng	100
72) Anthracene	11.551	178	483105	18.140	ng	99
73) Carbazole	11.704	167	126071	4.912	ng	99
75) Fluoranthene	12.698	202	1377588	48.960	ng	98
78) Pyrene	12.927	202	1255956	47.903	ng	99
81) Benzo(a)anthracene	14.110	228	619078	28.597	ng	93
83) Chrysene	14.151	228	553991	26.795	ng	99
87) Indeno(1,2,3-cd)pyrene	17.186	276	319025	13.759	ng	96
88) Benzo(b)fluoranthene	15.192	252	1061354	48.646	ng	98
89) Benzo(k)fluoranthene	15.192	252	1061354	48.285	ng	# 96
90) Benzo(a)pyrene	15.574	252	604119	33.381	ng	98
91) Dibenzo(a,h)anthracene	17.374	278	66660	3.585	ng	94
92) Benzo(g,h,i)perylene	17.656	276	283708	14.477	ng	100

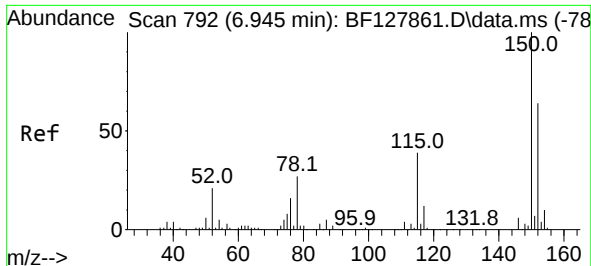
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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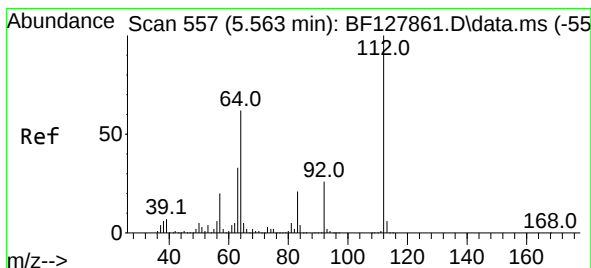
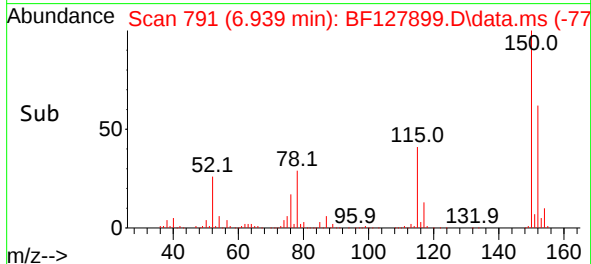
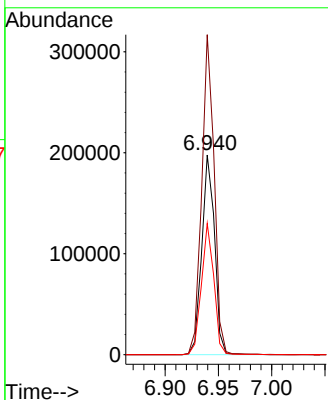
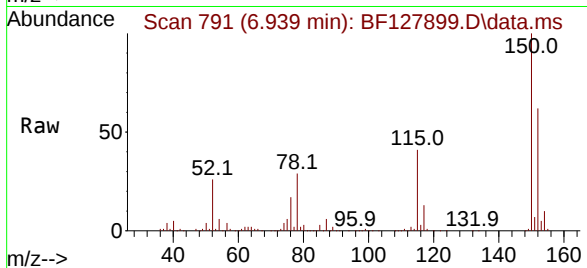




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.939 min Scan# 792
 Delta R.T. -0.006 min
 Lab File: BF127899.D
 Acq: 26 Apr 2022 00:08

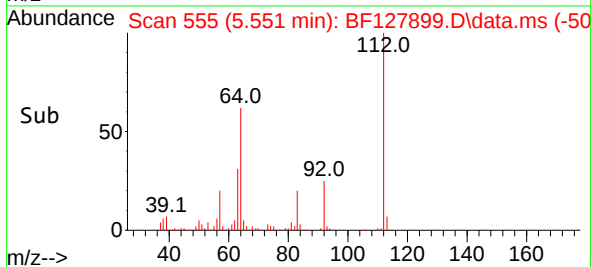
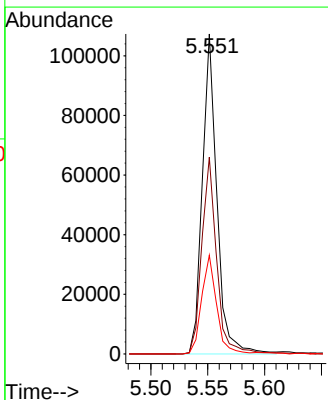
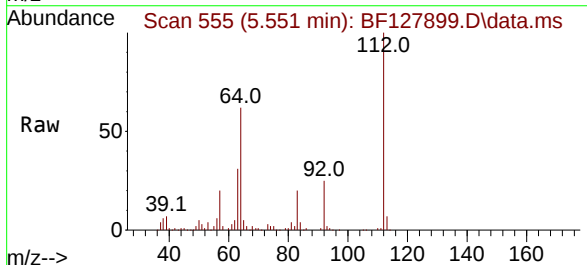
Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-041922DL

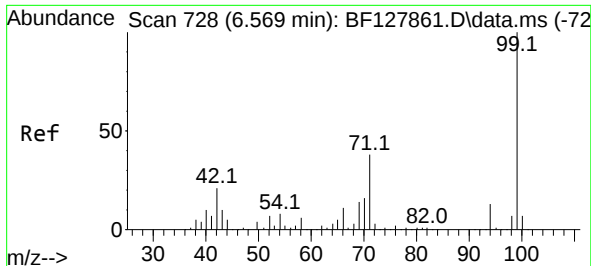
Tgt Ion:152 Resp: 165516
 Ion Ratio Lower Upper
 152 100
 150 160.2 125.3 187.9
 115 65.7 48.8 73.2



#5
 2-Fluorophenol
 Concen: 9.179 ng
 RT: 5.551 min Scan# 555
 Delta R.T. -0.012 min
 Lab File: BF127899.D
 Acq: 26 Apr 2022 00:08

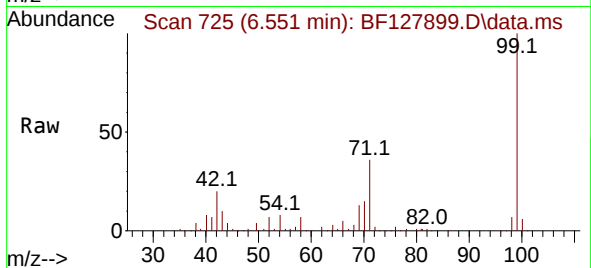
Tgt Ion:112 Resp: 95380
 Ion Ratio Lower Upper
 112 100
 64 61.5 49.5 74.3
 63 30.9 26.3 39.5



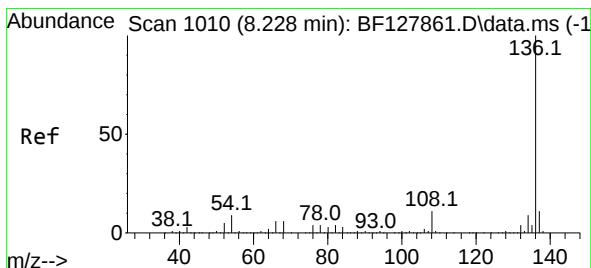
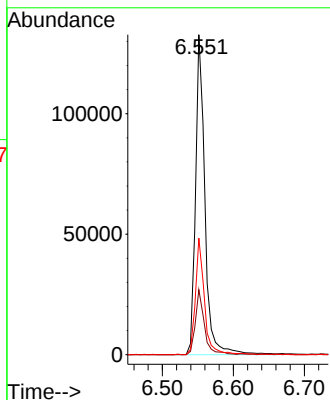
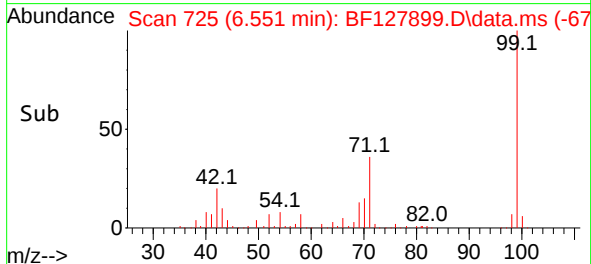


#7
Phenol-d6
Concen: 9.096 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

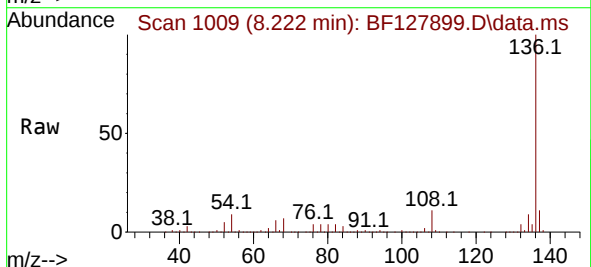
Instrument :
BNA_F
ClientSampleId :
PAT-03-041922DL



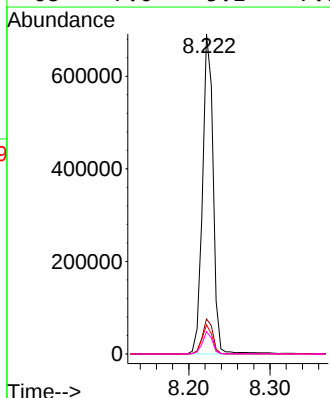
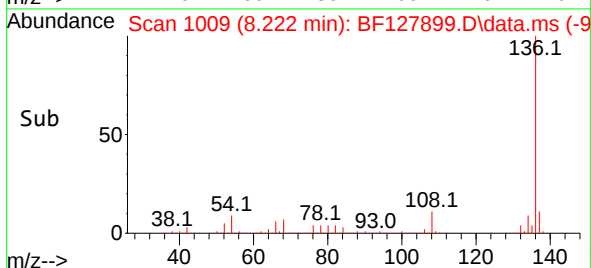
Tgt Ion: 99 Resp: 122647
Ion Ratio Lower Upper
99 100
42 20.3 16.6 24.8
71 36.4 30.0 45.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08



Tgt Ion: 136 Resp: 628105
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.1 6.8 10.2
68 7.0 5.1 7.7





#23

Nitrobenzene-d5

Concen: 5.906 ng

RT: 7.498 min Scan# 886

Delta R.T. -0.012 min

Lab File: BF127899.D

Acq: 26 Apr 2022 00:08

Instrument :

BNA_F

ClientSampleId :

PAT-03-041922DL

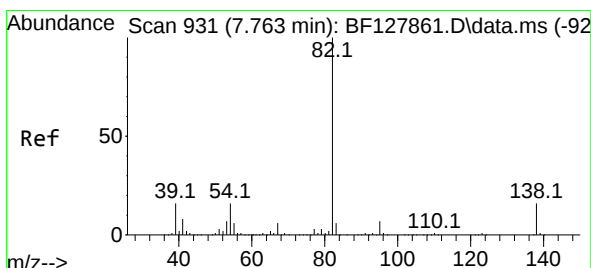
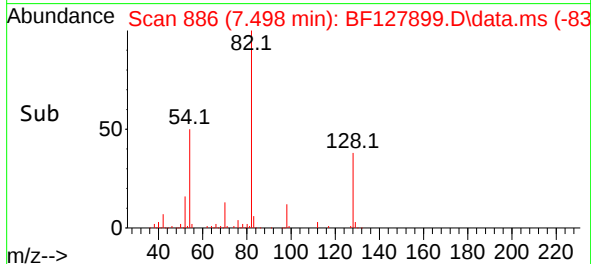
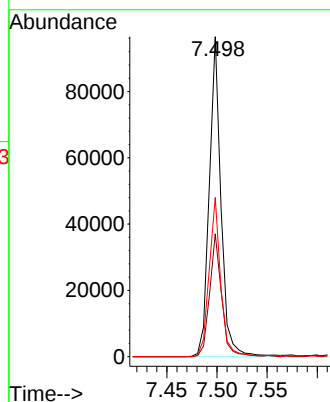
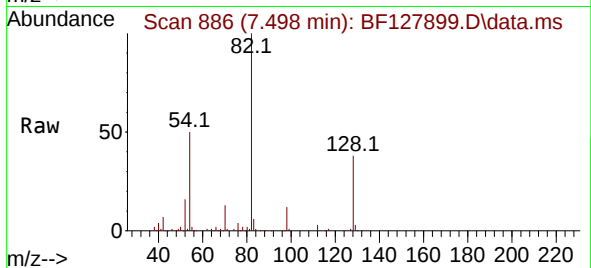
Tgt Ion: 82 Resp: 78890

Ion Ratio Lower Upper

82 100

128 38.4 30.0 45.0

54 49.8 41.3 61.9



#25

Isophorone

Concen: 3.509 ng

RT: 7.498 min Scan# 886

Delta R.T. -0.265 min

Lab File: BF127899.D

Acq: 26 Apr 2022 00:08

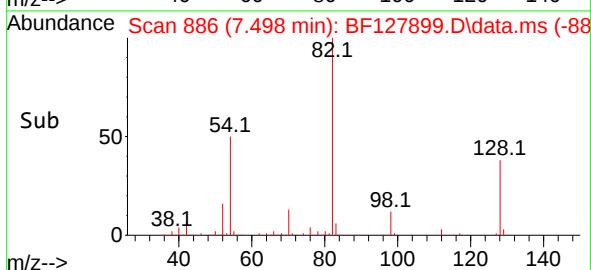
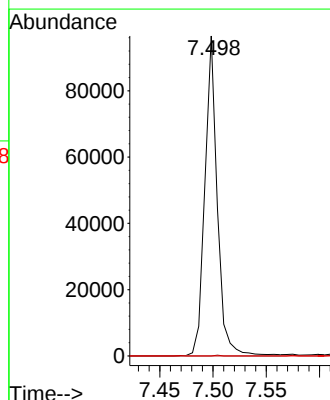
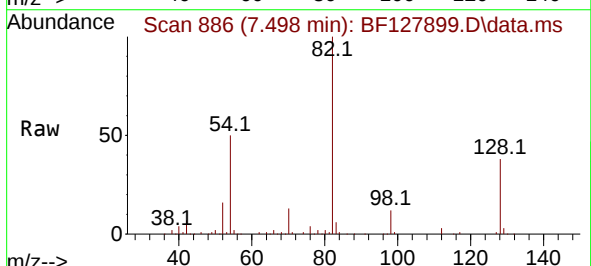
Tgt Ion: 82 Resp: 78889

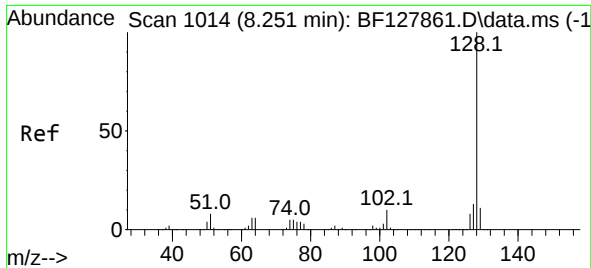
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 12.5 18.7#

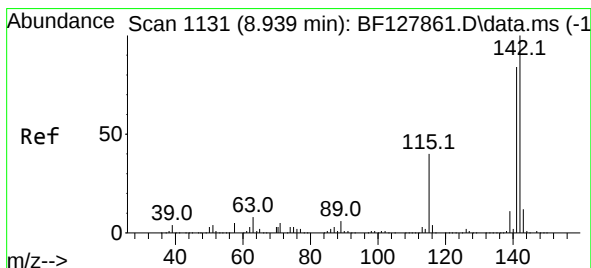
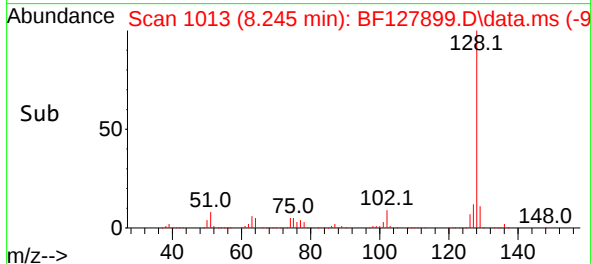
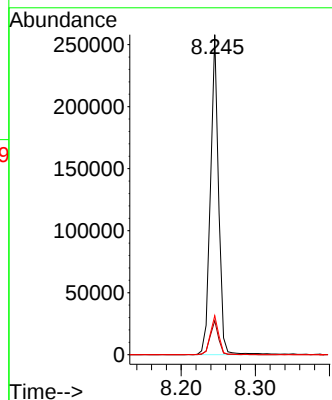
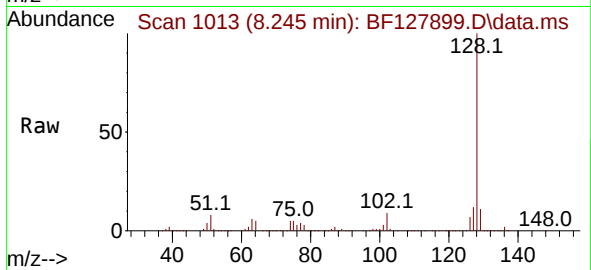




#31
Naphthalene
Concen: 6.177 ng
RT: 8.245 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

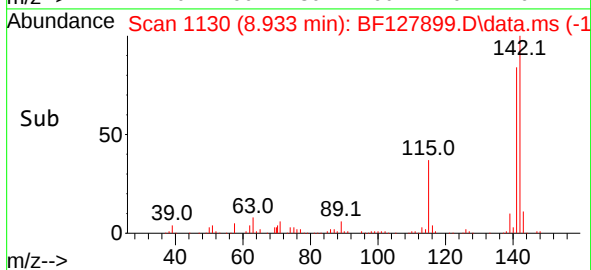
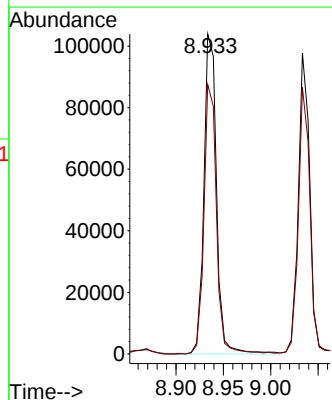
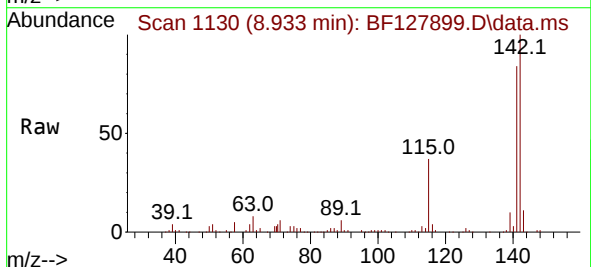
Instrument :
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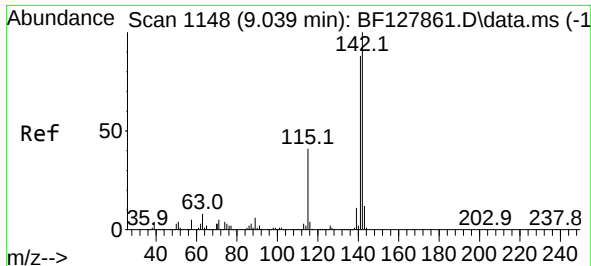
Tgt Ion:128 Resp: 197616
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.4
127 12.2 10.6 16.0



#37
2-Methylnaphthalene
Concen: 4.539 ng
RT: 8.933 min Scan# 1130
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

Tgt Ion:142 Resp: 95957
Ion Ratio Lower Upper
142 100
141 84.2 67.4 101.2





#38

1-Methylnaphthalene

Concen: 3.984 ng

RT: 9.033 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BF127899.D

Acq: 26 Apr 2022 00:08

Instrument :

BNA_F

ClientSampleId :

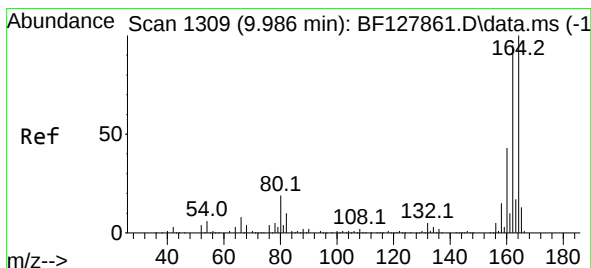
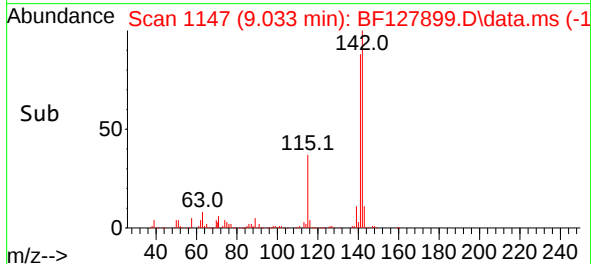
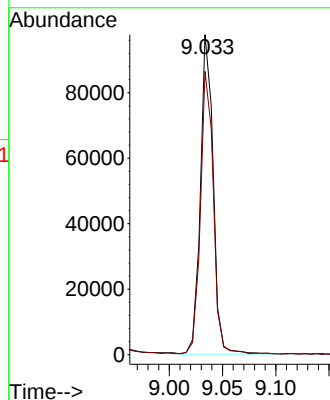
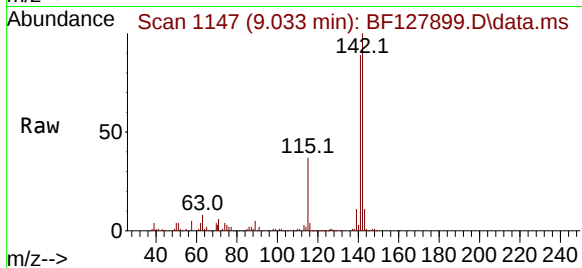
PAT-03-041922DL

Tgt Ion:142 Resp: 81880

Ion Ratio Lower Upper

142 100

141 88.6 70.1 105.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.980 min Scan# 1308

Delta R.T. -0.006 min

Lab File: BF127899.D

Acq: 26 Apr 2022 00:08

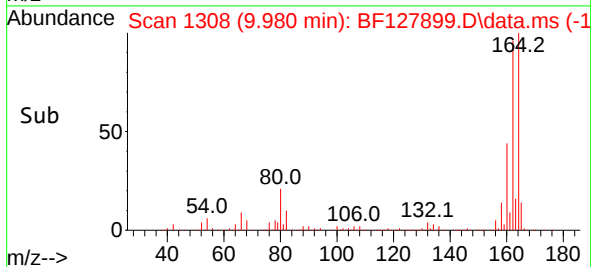
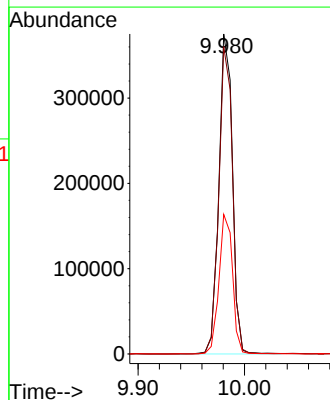
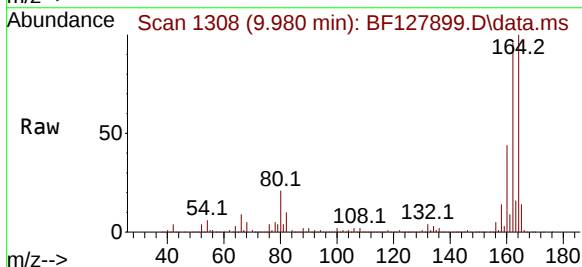
Tgt Ion:164 Resp: 330132

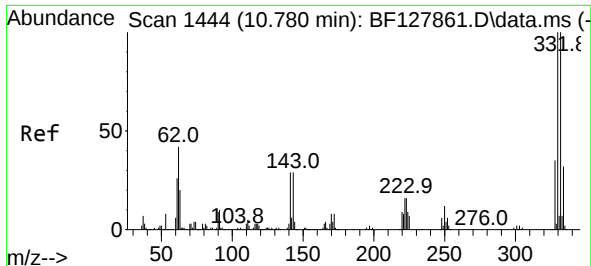
Ion Ratio Lower Upper

164 100

162 96.1 76.0 114.0

160 43.6 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 7.714 ng

RT: 10.769 min Scan# 1442

Delta R.T. -0.012 min

Lab File: BF127899.D

Acq: 26 Apr 2022 00:08

Instrument :

BNA_F

ClientSampleId :

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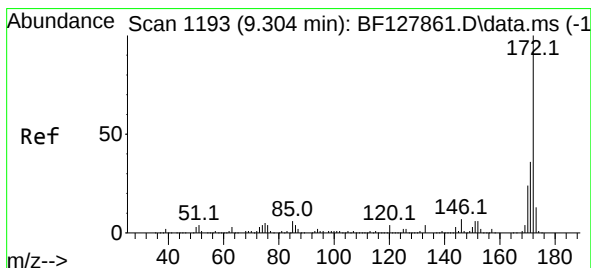
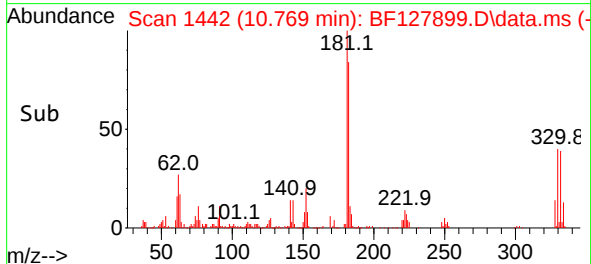
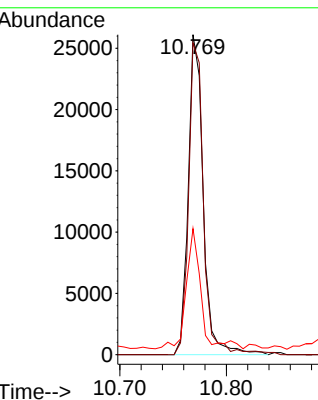
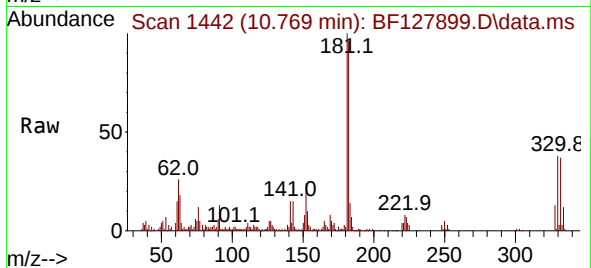
Tgt Ion:330 Resp: 25636

Ion Ratio Lower Upper

330 100

332 97.4 79.0 118.4

141 35.0 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 7.448 ng

RT: 9.292 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF127899.D

Acq: 26 Apr 2022 00:08

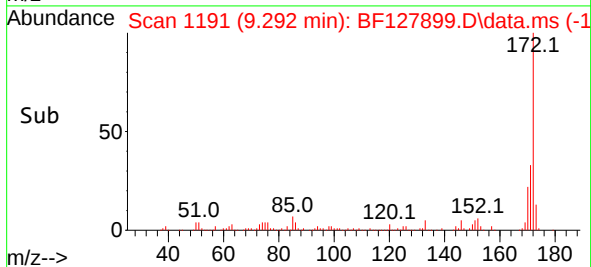
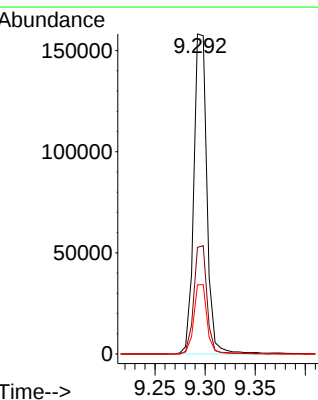
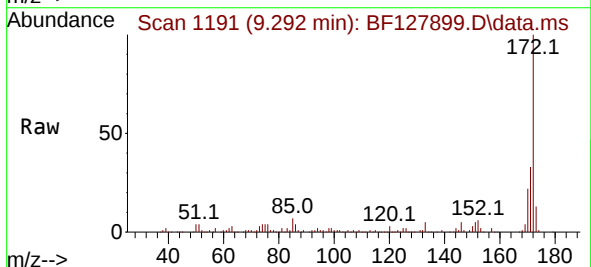
Tgt Ion:172 Resp: 145349

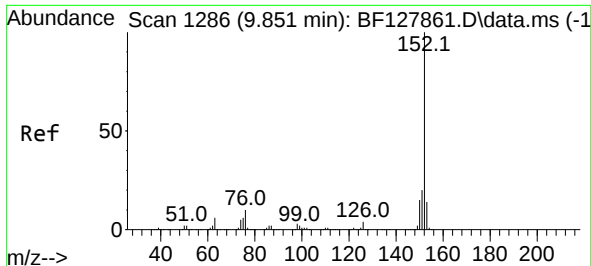
Ion Ratio Lower Upper

172 100

171 33.3 28.6 42.8

170 21.6 19.1 28.7

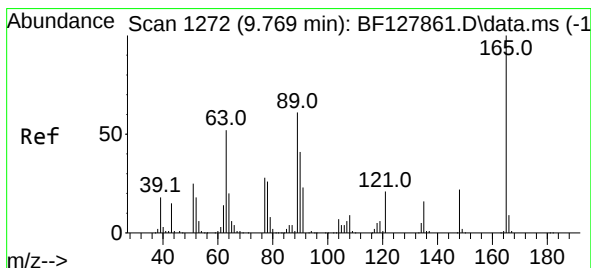
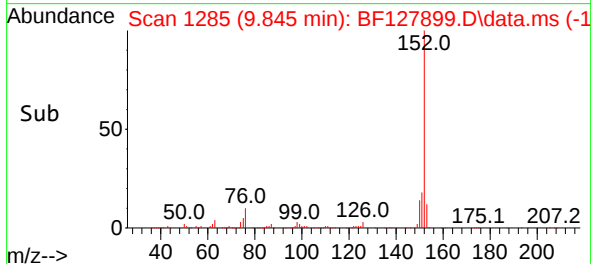
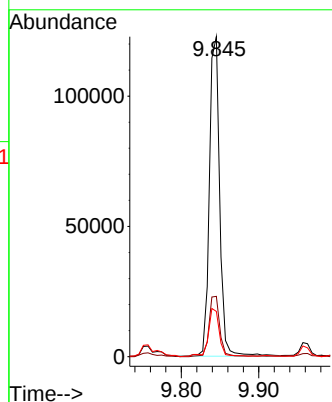
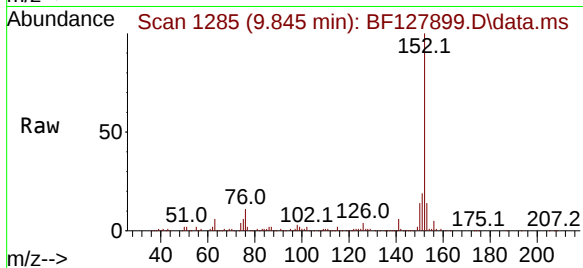




#49
Acenaphthylene
Concen: 3.975 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

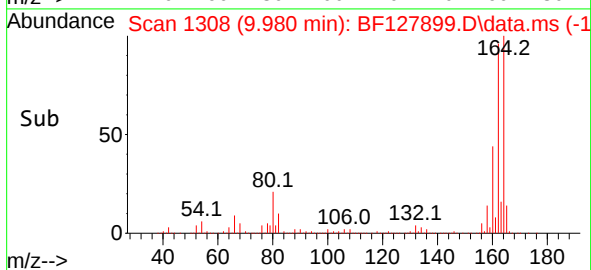
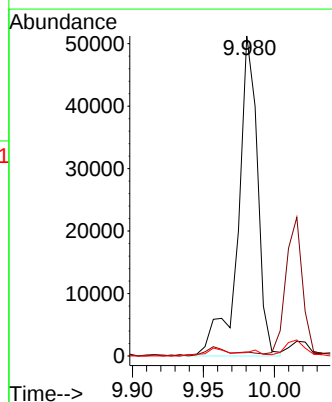
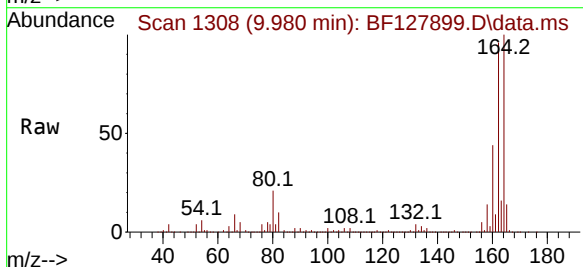
Instrument :
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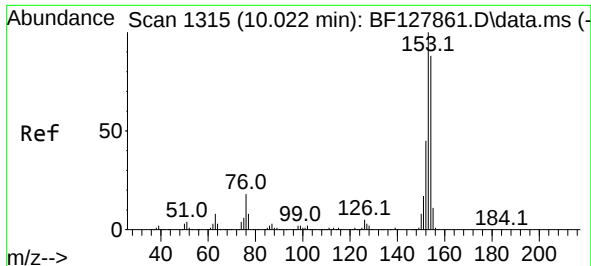
Tgt Ion:152 Resp: 113206
Ion Ratio Lower Upper
152 100
151 18.8 16.2 24.2
153 14.2 11.2 16.8



#51
2,6-Dinitrotoluene
Concen: 10.228 ng
RT: 9.980 min Scan# 1308
Delta R.T. 0.211 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

Tgt Ion:165 Resp: 49030
Ion Ratio Lower Upper
165 100
63 1.2 49.5 74.3#
89 1.0 49.0 73.4#

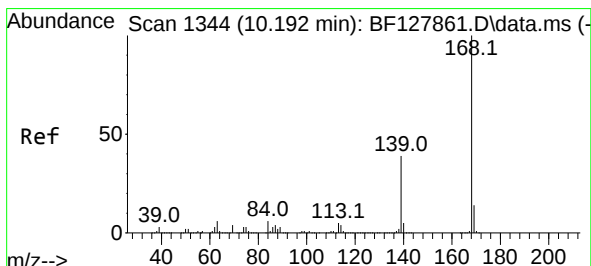
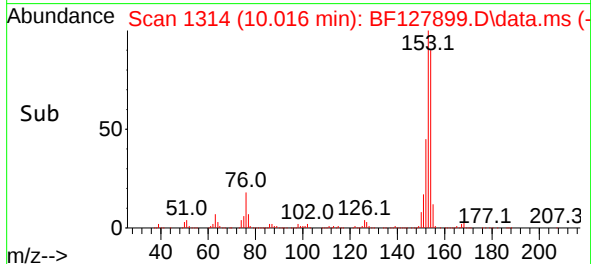
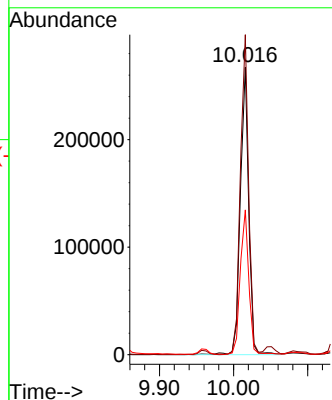
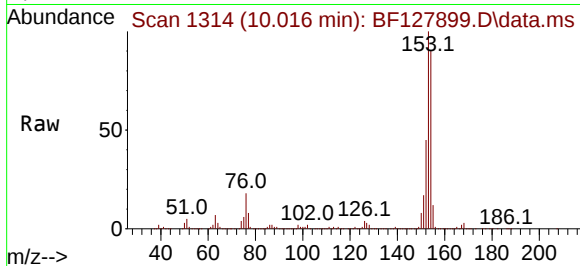




#52
Acenaphthene
Concen: 10.919 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

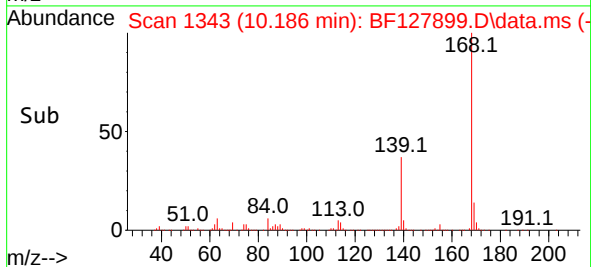
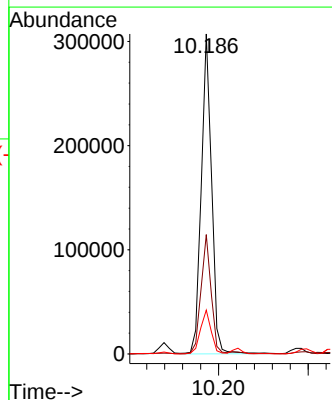
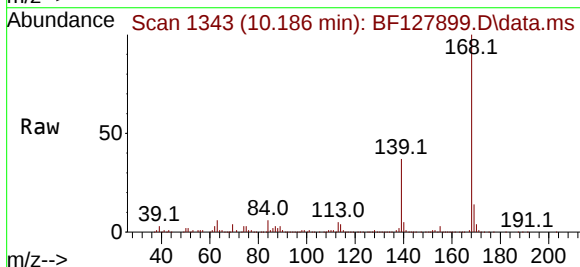
Instrument :
BNA_F
ClientSampleId :
PAT-03-041922DL

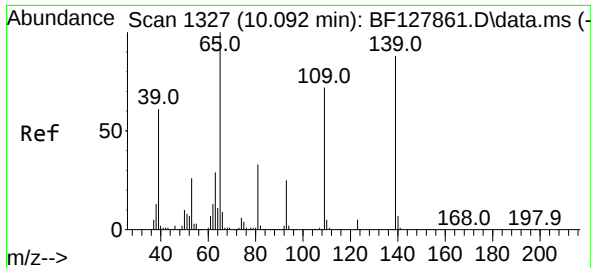
Tgt Ion:154 Resp: 209043
Ion Ratio Lower Upper
154 100
153 111.4 90.5 135.7
152 50.4 41.0 61.6



#55
Dibenzofuran
Concen: 8.857 ng
RT: 10.186 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

Tgt Ion:168 Resp: 244634
Ion Ratio Lower Upper
168 100
139 37.3 31.7 47.5
169 13.7 10.9 16.3

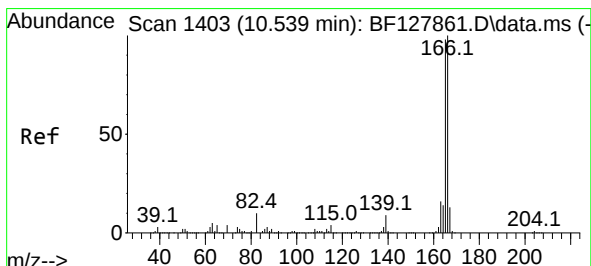
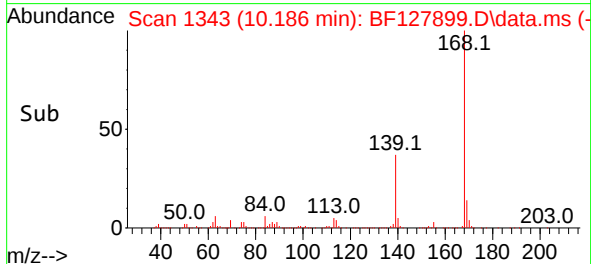
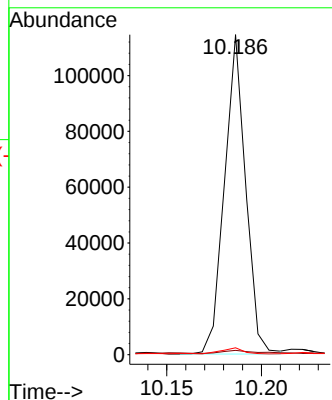
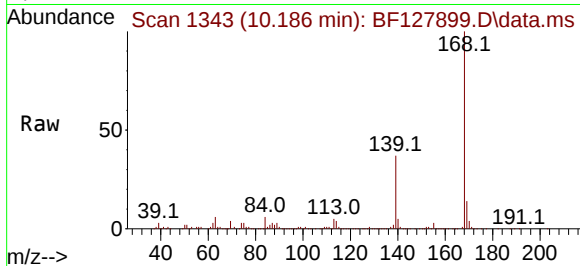




#56
4-Nitrophenol
Concen: 21.852 ng
RT: 10.186 min Scan# 11
Delta R.T. 0.094 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

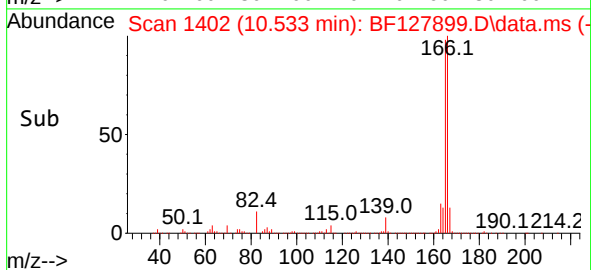
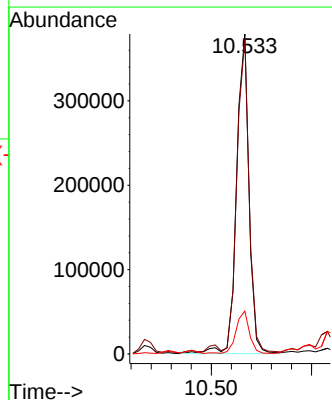
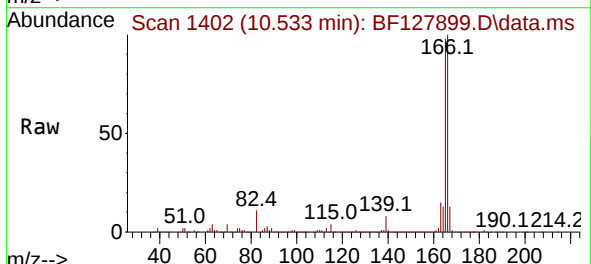
Instrument :
BNA_F
ClientSampleId :
PAT-03-041922DL

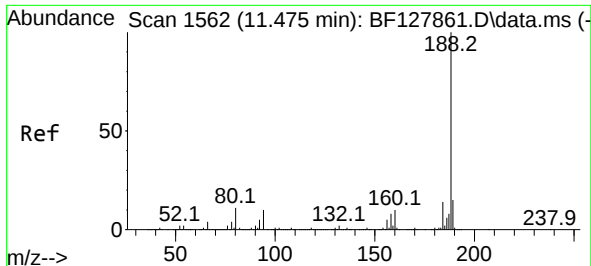
Tgt Ion:139 Resp: 88825
Ion Ratio Lower Upper
139 100
109 1.4 61.9 101.9#
65 2.2 93.5 133.5#



#58
Fluorene
Concen: 15.751 ng
RT: 10.533 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

Tgt Ion:166 Resp: 324638
Ion Ratio Lower Upper
166 100
165 98.4 78.6 117.8
167 13.4 10.5 15.7

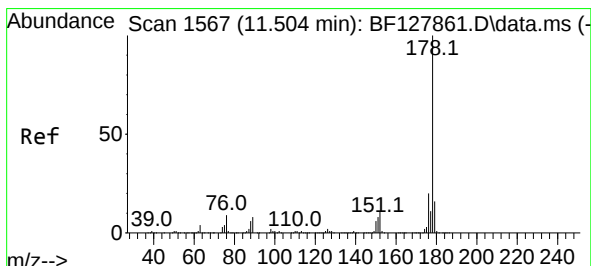
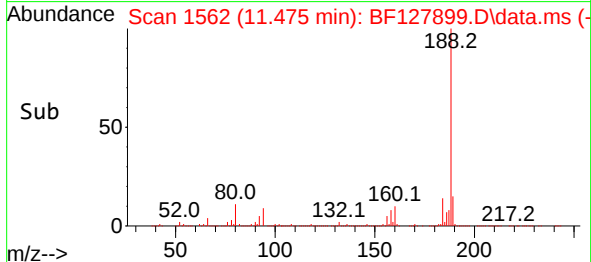
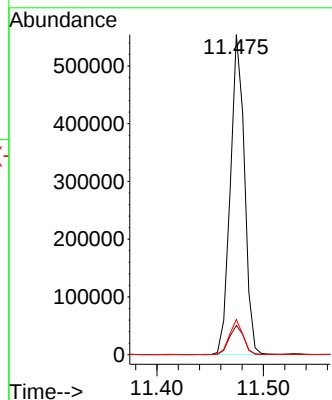
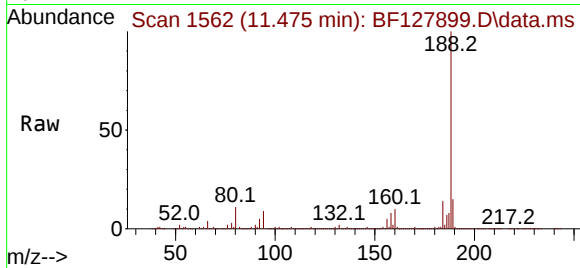




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.475 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

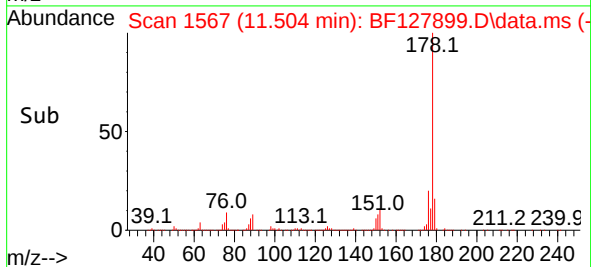
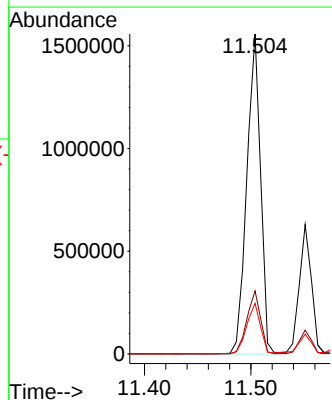
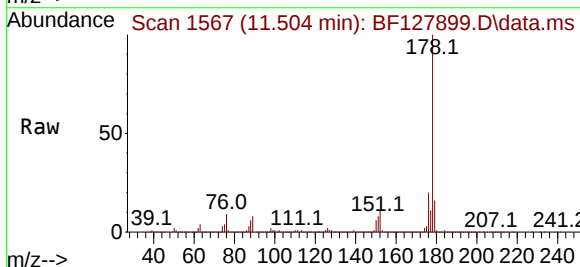
Instrument :
BNA_F
ClientSampleId :
PAT-03-041922DL

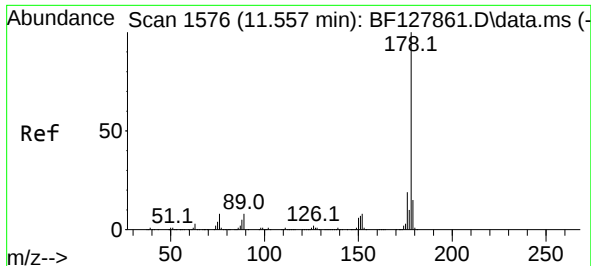
Tgt Ion:188 Resp: 510733
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 11.0 8.9 13.3



#71
Phenanthrene
Concen: 52.455 ng
RT: 11.504 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

Tgt Ion:178 Resp: 1402371
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 15.8 12.6 19.0

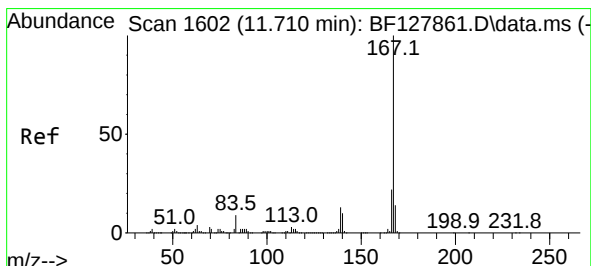
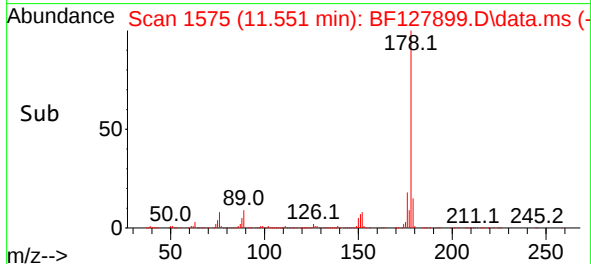
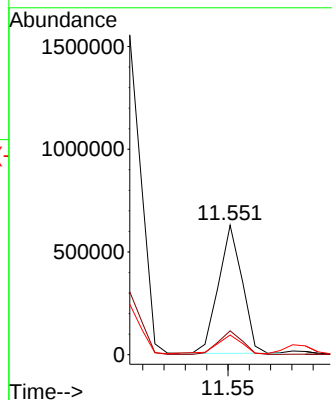
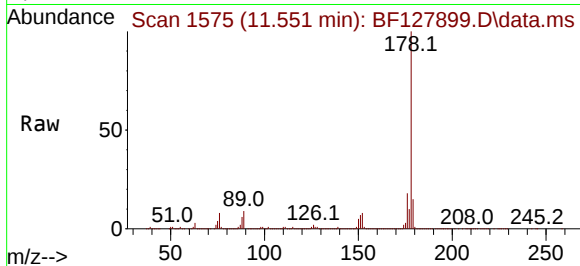




#72
 Anthracene
 Concen: 18.140 ng
 RT: 11.551 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127899.D
 Acq: 26 Apr 2022 00:08

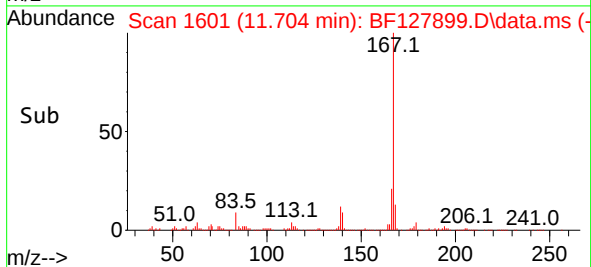
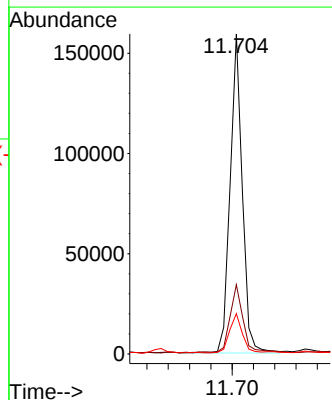
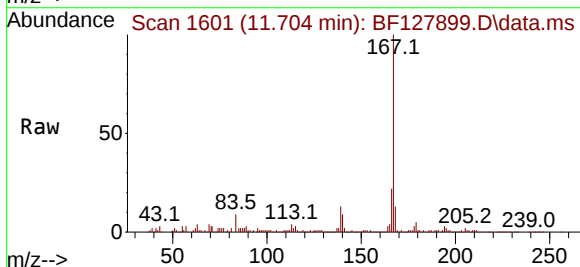
Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-041922DL

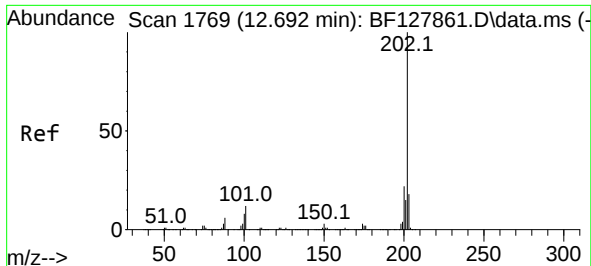
Tgt Ion:178 Resp: 483105
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.0 22.6
 179 15.2 12.4 18.6



#73
 Carbazole
 Concen: 4.912 ng
 RT: 11.704 min Scan# 1601
 Delta R.T. -0.006 min
 Lab File: BF127899.D
 Acq: 26 Apr 2022 00:08

Tgt Ion:167 Resp: 126071
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.6 26.4
 139 12.6 10.7 16.1

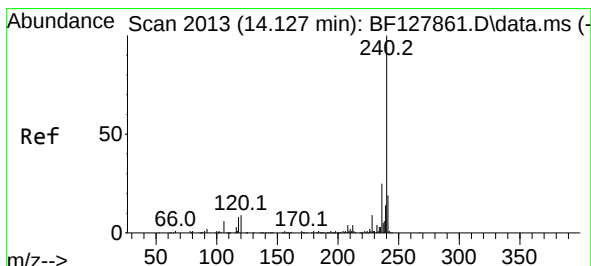
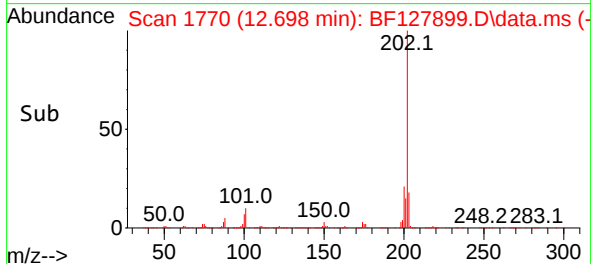
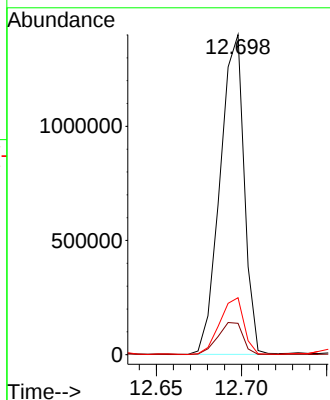
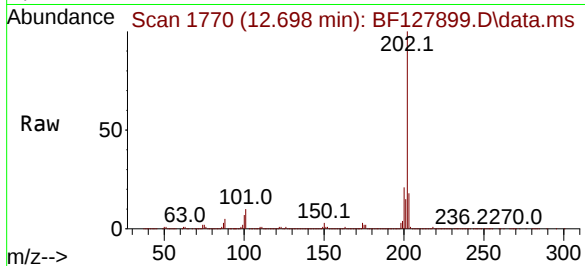




#75
Fluoranthene
Concen: 48.960 ng
RT: 12.698 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

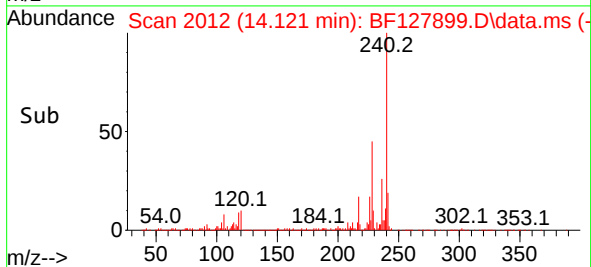
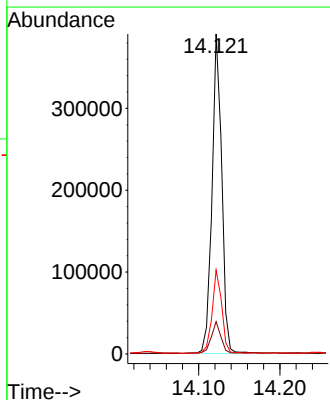
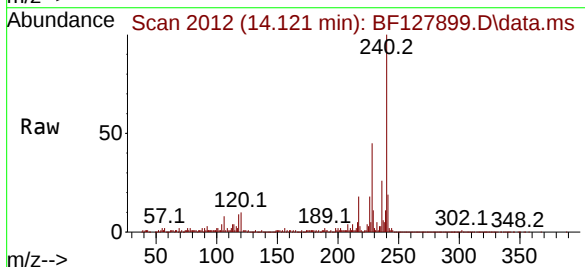
Instrument :
BNA_F
ClientSampleId :
PAT-03-041922DL

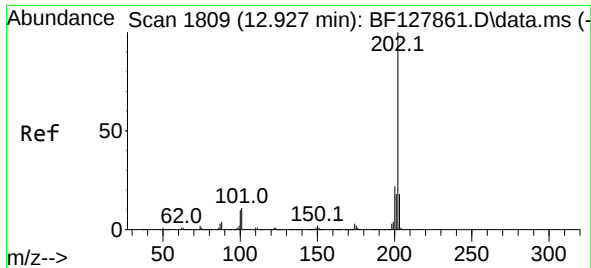
Tgt Ion:202 Resp: 1377588
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.6
203 17.8 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

Tgt Ion:240 Resp: 324790
Ion Ratio Lower Upper
240 100
120 10.1 7.0 10.6
236 26.2 20.3 30.5

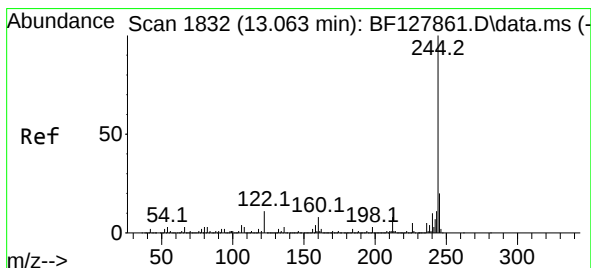
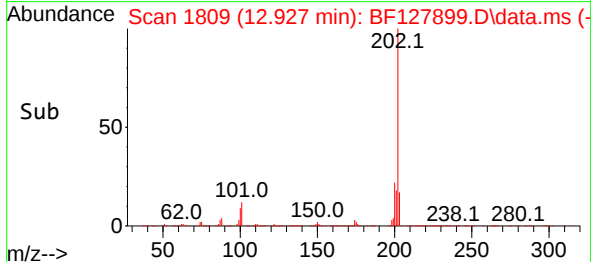
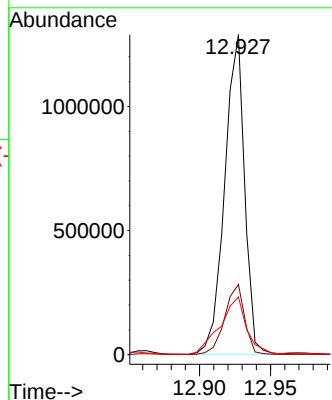
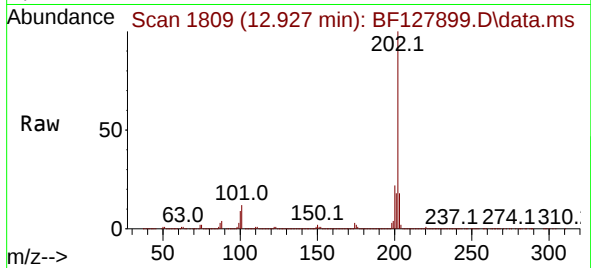




#78
Pyrene
Concen: 47.903 ng
RT: 12.927 min Scan# 1809
Delta R.T. -0.000 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

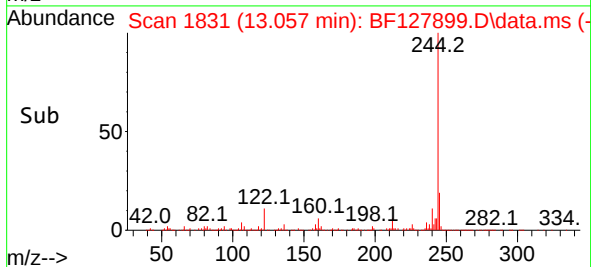
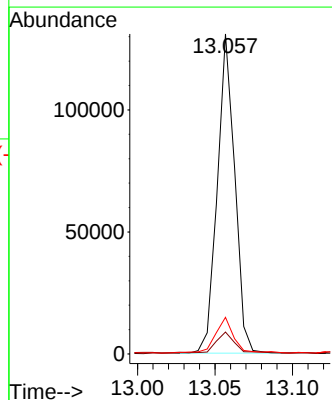
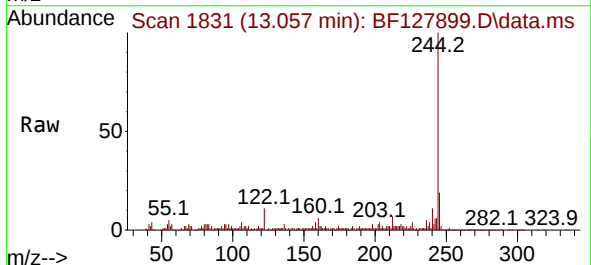
Instrument :
BNA_F
ClientSampleId :
PAT-03-041922DL

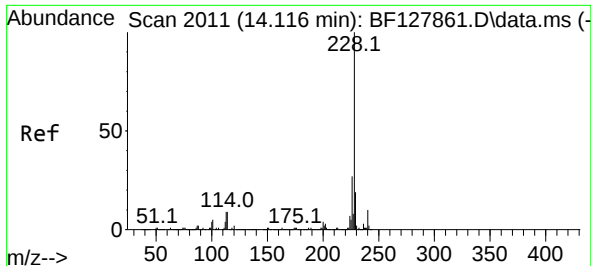
Tgt Ion:202 Resp: 1255956
Ion Ratio Lower Upper
202 100
200 22.0 17.4 26.2
203 18.0 14.0 21.0



#79
Terphenyl-d14
Concen: 5.763 ng
RT: 13.057 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

Tgt Ion:244 Resp: 102360
Ion Ratio Lower Upper
244 100
212 6.8 6.2 9.4
122 11.4 8.6 12.8

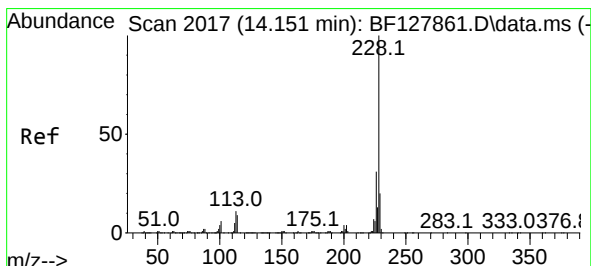
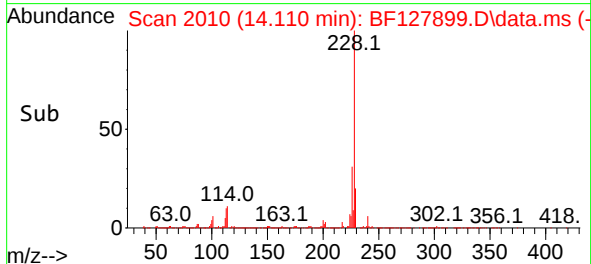
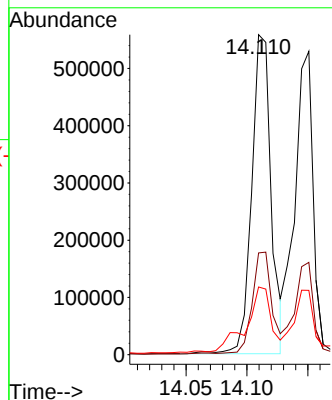
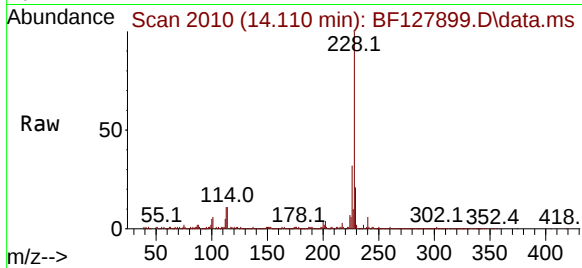




#81
Benzo(a)anthracene
Concen: 28.597 ng
RT: 14.110 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

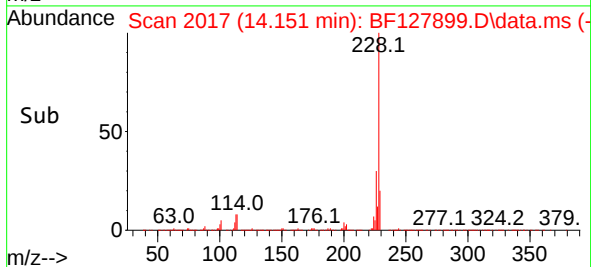
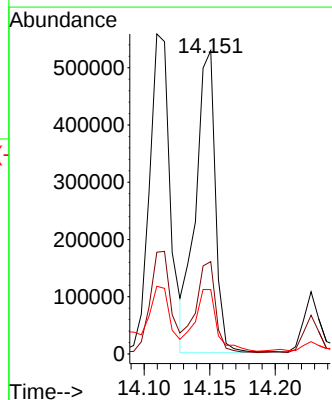
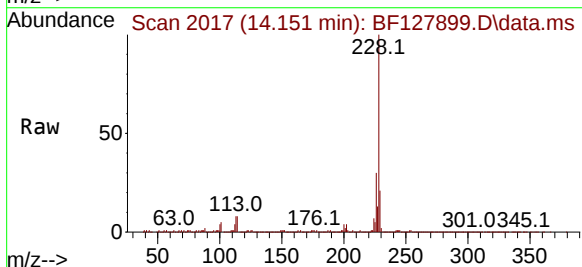
Instrument :
BNA_F
ClientSampleId :
PAT-03-041922DL

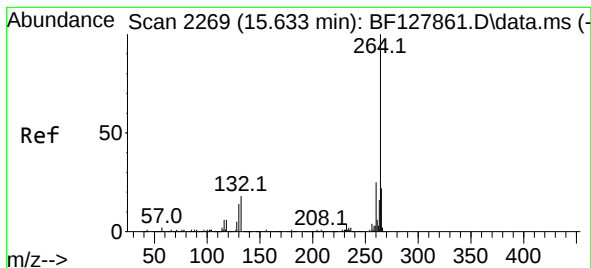
Tgt Ion:228 Resp: 619078
Ion Ratio Lower Upper
228 100
226 31.8 21.7 32.5
229 21.1 15.4 23.2



#83
Chrysene
Concen: 26.795 ng
RT: 14.151 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

Tgt Ion:228 Resp: 553991
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 21.2 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127899.D

Acq: 26 Apr 2022 00:08

Instrument :

BNA_F

ClientSampleId :

PAT-03-041922DL

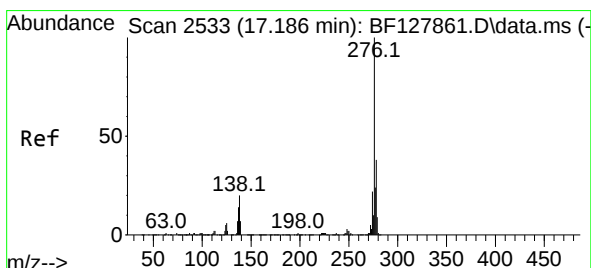
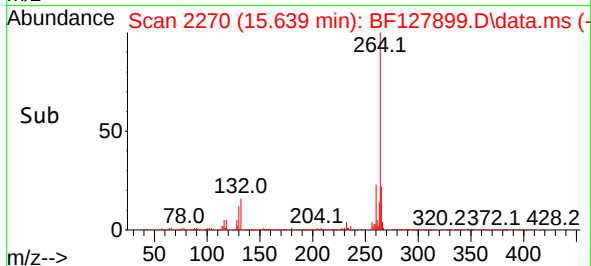
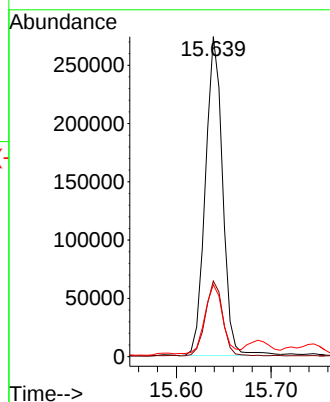
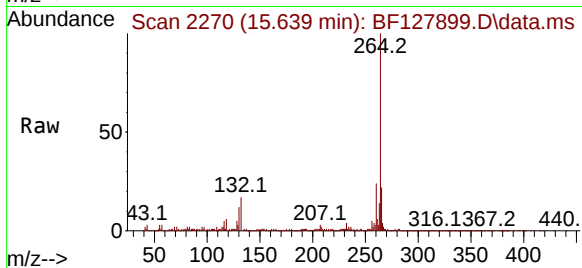
Tgt Ion:264 Resp: 347373

Ion Ratio Lower Upper

264 100

260 23.7 20.1 30.1

265 22.5 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.759 ng

RT: 17.186 min Scan# 2533

Delta R.T. -0.000 min

Lab File: BF127899.D

Acq: 26 Apr 2022 00:08

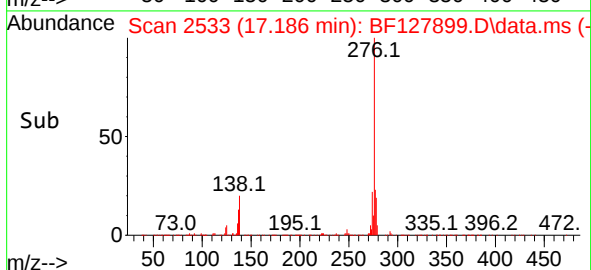
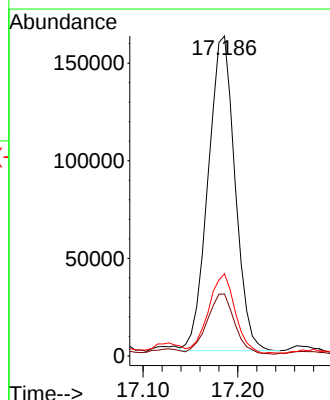
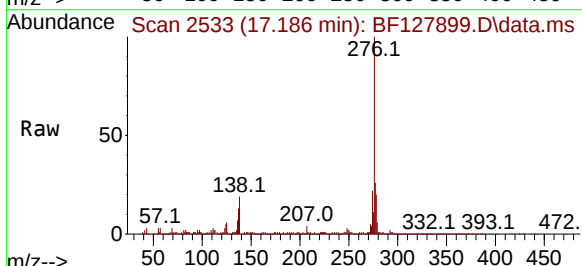
Tgt Ion:276 Resp: 319025

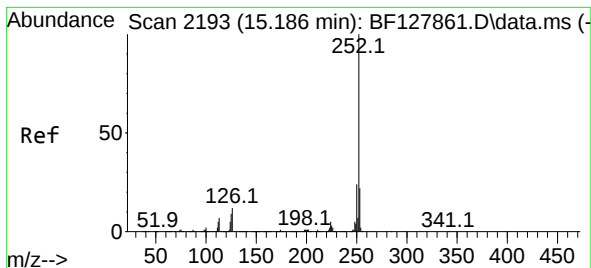
Ion Ratio Lower Upper

276 100

138 19.6 19.0 28.4

277 24.9 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 48.646 ng

RT: 15.192 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF127899.D

Acq: 26 Apr 2022 00:08

Instrument :

BNA_F

ClientSampleId :

PAT-03-041922DL

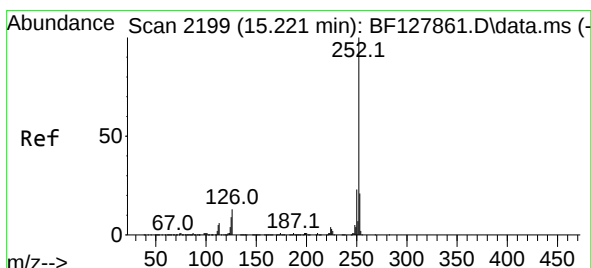
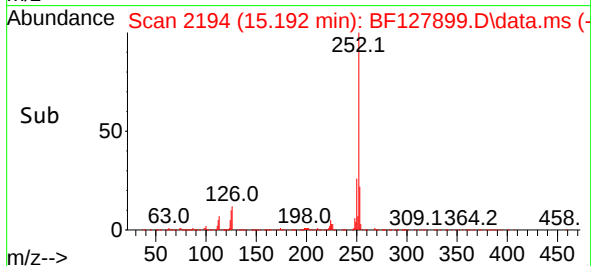
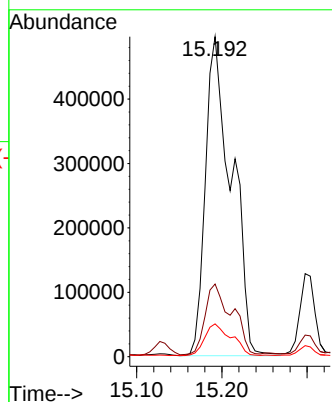
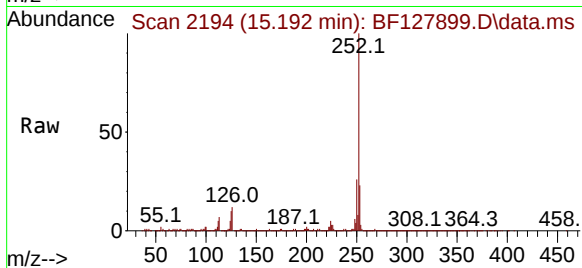
Tgt Ion:252 Resp: 1061354

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

125 10.3 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 48.285 ng

RT: 15.192 min Scan# 2194

Delta R.T. -0.029 min

Lab File: BF127899.D

Acq: 26 Apr 2022 00:08

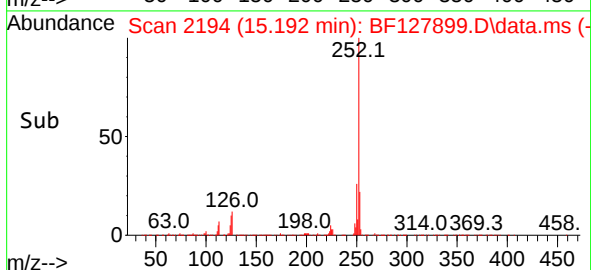
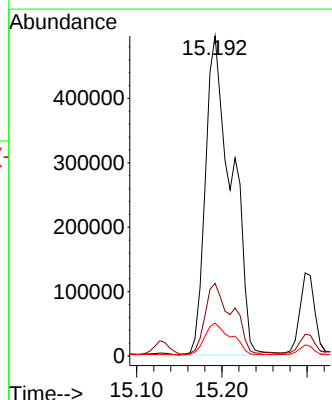
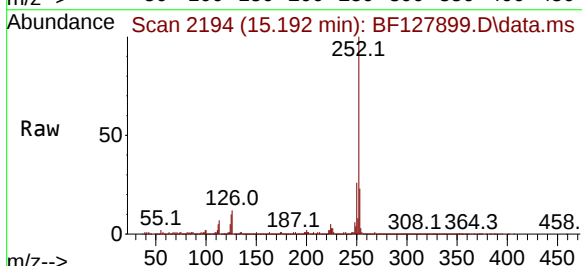
Tgt Ion:252 Resp: 1061354

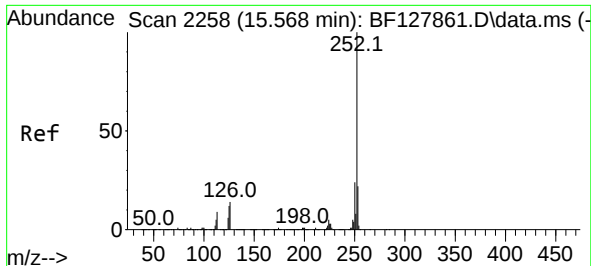
Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.4

125 10.3 6.8 10.2#

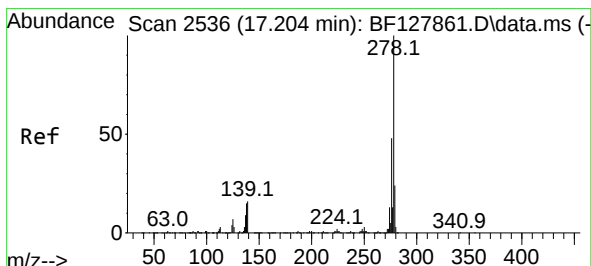
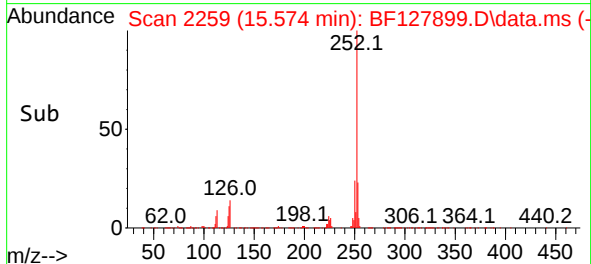
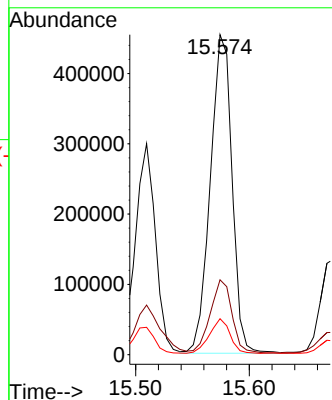
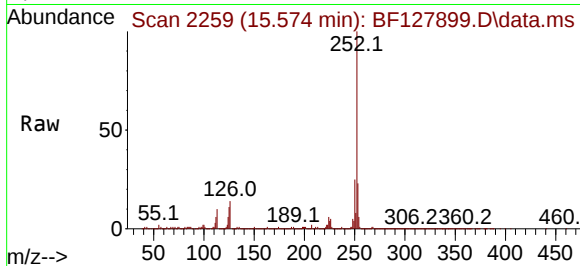




#90
Benzo(a)pyrene
Concen: 33.381 ng
RT: 15.574 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

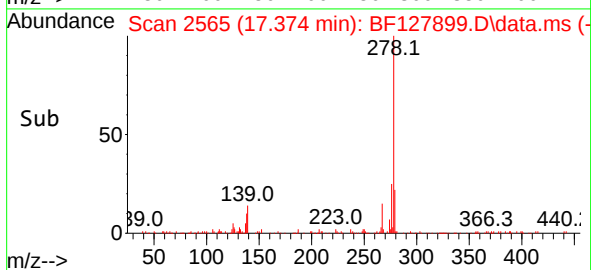
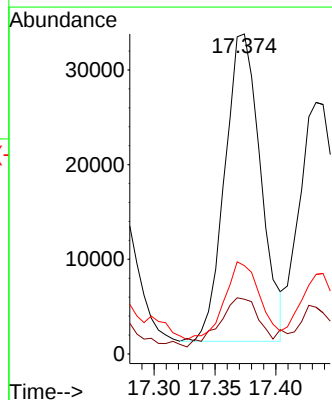
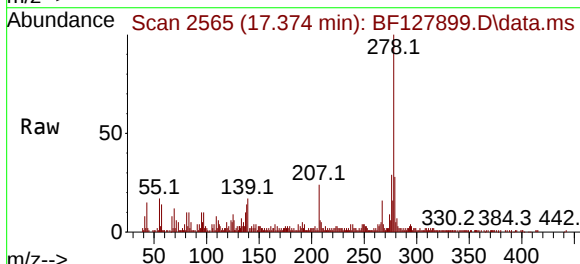
Instrument :
BNA_F
ClientSampleId :
PAT-03-041922DL

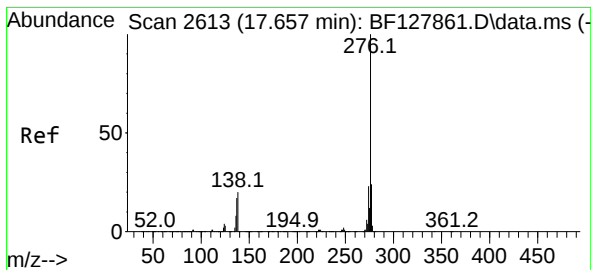
Tgt Ion:252 Resp: 604119
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 11.2 9.2 13.8



#91
Dibenzo(a,h)anthracene
Concen: 3.585 ng
RT: 17.374 min Scan# 2565
Delta R.T. 0.171 min
Lab File: BF127899.D
Acq: 26 Apr 2022 00:08

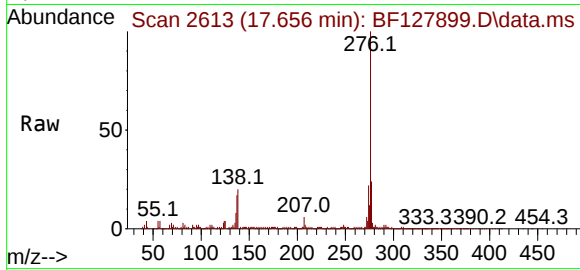
Tgt Ion:278 Resp: 66660
Ion Ratio Lower Upper
278 100
139 17.1 12.6 19.0
279 27.6 18.9 28.3





#92
 Benzo(g,h,i)perylene
 Concen: 14.477 ng
 RT: 17.656 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: BF127899.D
 Acq: 26 Apr 2022 00:08

Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-041922DL



Tgt Ion:276 Resp: 283708
 Ion Ratio Lower Upper
 276 100
 277 23.6 18.8 28.2
 138 19.8 16.2 24.2

