

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030222\
 Data File : BF127153.D
 Acq On : 02 Mar 2022 18:08
 Operator : CG\JU
 Sample : N1722-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUM-8

Quant Time: Mar 03 00:57:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 01 23:57:09 2022
 Response via : Initial Calibration

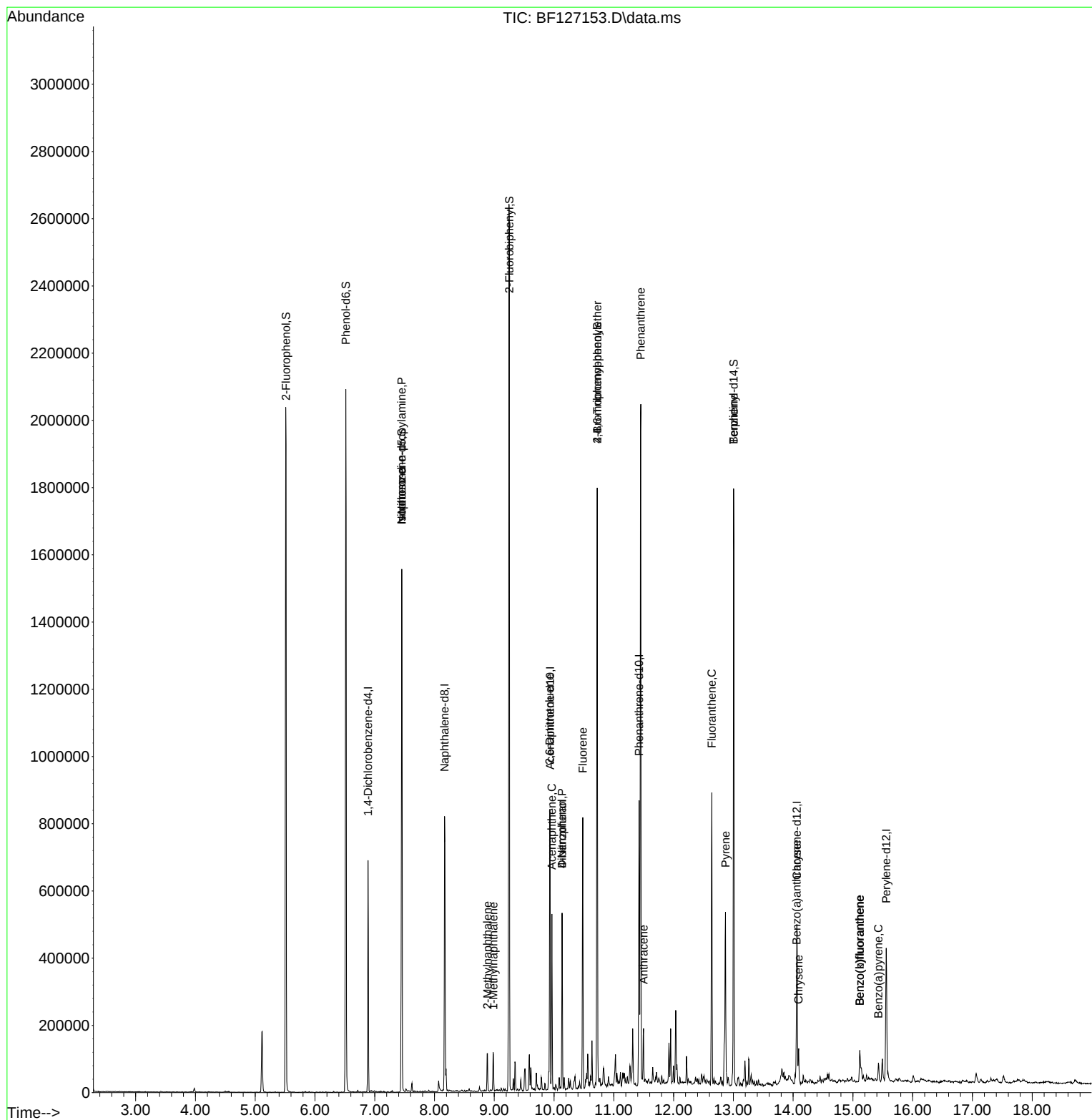
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	86235	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	348255	20.000	ng	# 0.00
39) Acenaphthene-d10	9.934	164	171645	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	276893	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	131586	20.000	ng	#-0.01
86) Perylene-d12	15.557	264	160716	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	528386	94.702	ng	0.00
7) Phenol-d6	6.516	99	696860	92.560	ng	0.00
23) Nitrobenzene-d5	7.451	82	500799	64.909	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	173408	87.746	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	796197	68.288	ng	0.00
79) Terphenyl-d14	13.004	244	590573	65.977	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.451	70	68908	14.204	ng	# 78
25) Isophorone	7.451	82	500788	39.225	ng	# 69
37) 2-Methylnaphthalene	8.887	142	28904	2.450	ng	98
38) 1-Methylnaphthalene	8.987	142	28847	2.554	ng	99
51) 2,6-Dinitrotoluene	9.928	165	24514	9.821	ng	# 22
52) Acenaphthene	9.963	154	91444	8.584	ng	92
55) Dibenzofuran	10.134	168	158692	10.833	ng	91
56) 4-Nitrophenol	10.134	139	71045	31.525	ng	# 7
58) Fluorene	10.481	166	187363	16.420	ng	99
67) 4-Bromophenyl-phenylether	10.722	248	10556	3.412	ng	# 1
71) Phenanthrene	11.451	178	747209	48.213	ng	99
72) Anthracene	11.498	178	59066	3.828	ng	99
75) Fluoranthene	12.639	202	306302	20.815	ng	94
77) Benzidine	13.004	184	9533	2.666	ng	# 95
78) Pyrene	12.869	202	202298	17.696	ng	99
81) Benzo(a)anthracene	14.057	228	44681	5.037	ng	99
83) Chrysene	14.092	228	39393	4.722	ng	97
88) Benzo(b)fluoranthene	15.116	252	61622	5.709	ng	# 93
89) Benzo(k)fluoranthene	15.116	252	61622	5.919	ng	# 94
90) Benzo(a)pyrene	15.427	252	23777	2.820	ng	96

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

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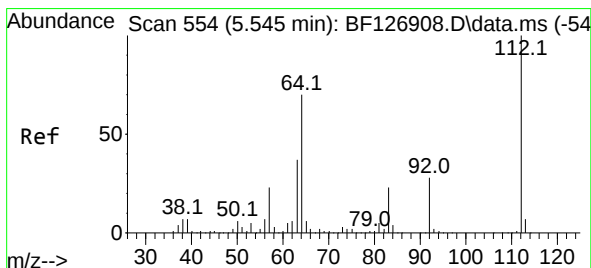
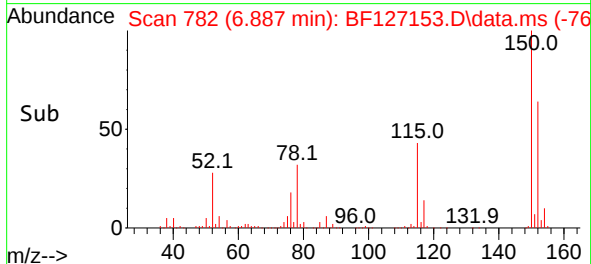
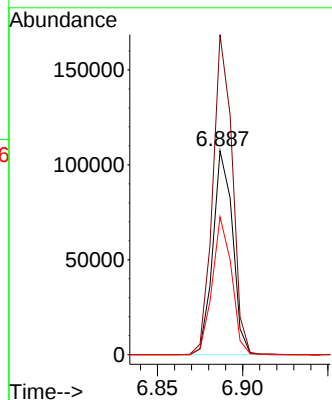
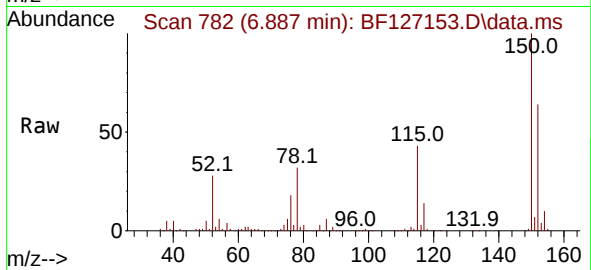




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF127153.D
 Acq: 02 Mar 2022 18:08

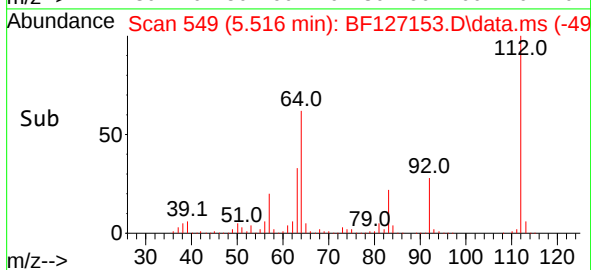
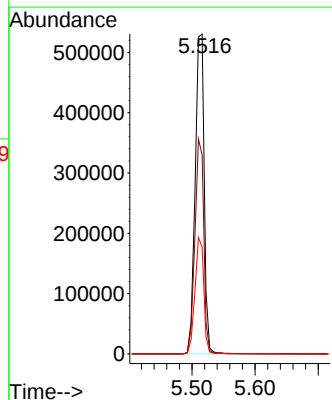
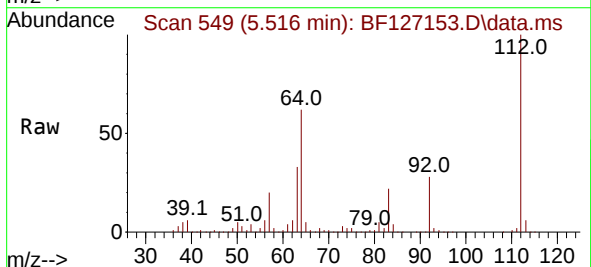
Instrument :
 BNA_F
 ClientSampleId :
 DUM-8

Tgt Ion:152 Resp: 86235
 Ion Ratio Lower Upper
 152 100
 150 157.0 128.1 192.1
 115 67.6 56.7 85.1



#5
 2-Fluorophenol
 Concen: 94.702 ng
 RT: 5.516 min Scan# 549
 Delta R.T. 0.006 min
 Lab File: BF127153.D
 Acq: 02 Mar 2022 18:08

Tgt Ion:112 Resp: 528386
 Ion Ratio Lower Upper
 112 100
 64 62.2 49.5 74.3
 63 33.3 23.9 35.9

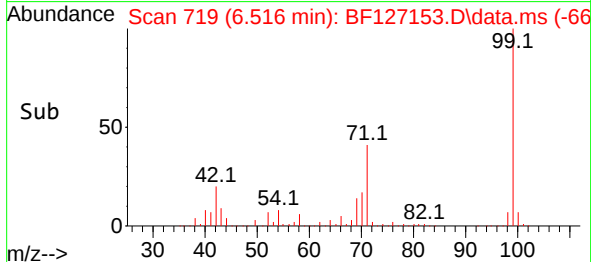
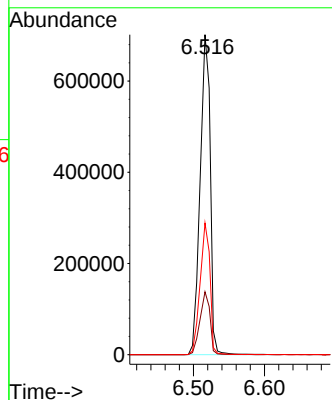
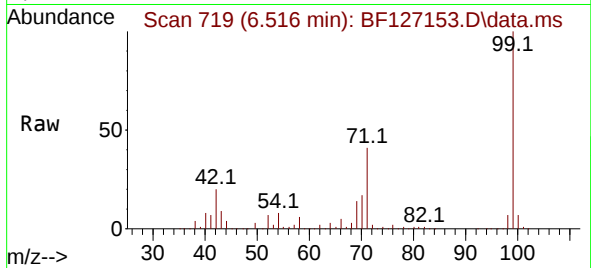




#7
Phenol-d6
Concen: 92.560 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

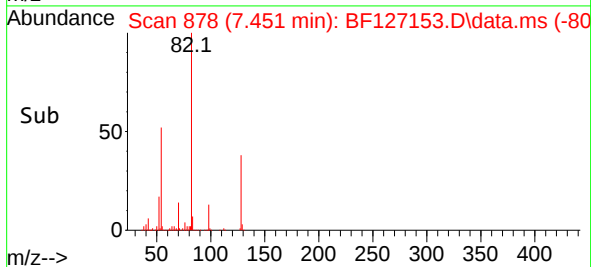
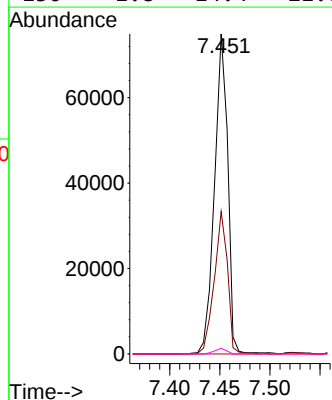
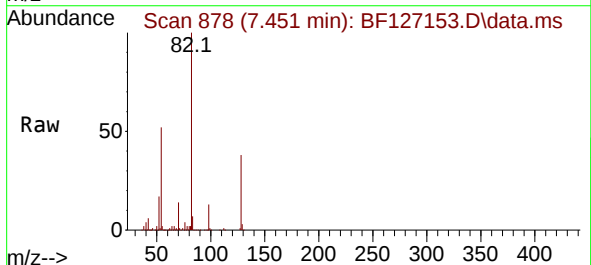
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ClientSampleId :
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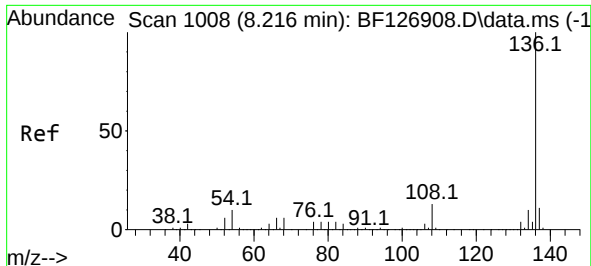
Tgt Ion: 99 Resp: 696860
Ion Ratio Lower Upper
99 100
42 19.7 14.2 21.4
71 41.1 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 14.204 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.147 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

Tgt Ion: 70 Resp: 68908
Ion Ratio Lower Upper
70 100
42 44.5 45.8 68.8#
101 0.0 6.9 10.3#
130 1.8 14.4 21.6#

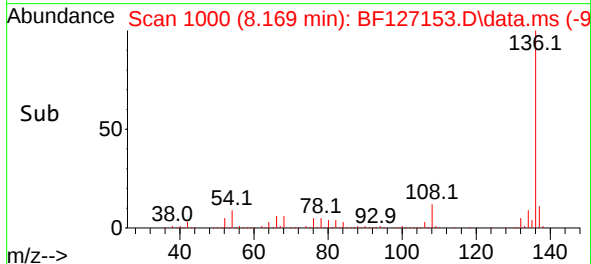
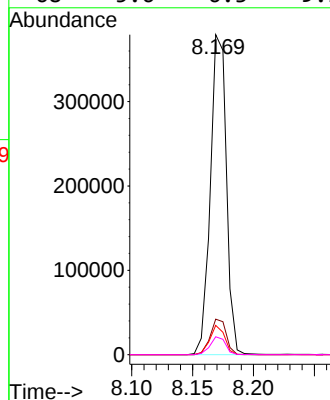
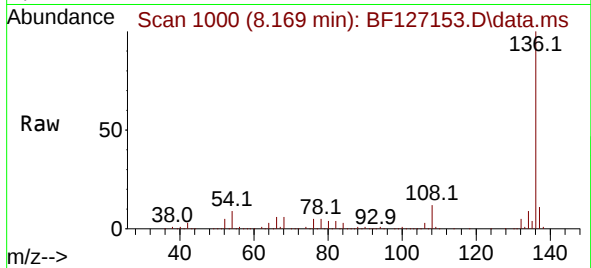




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

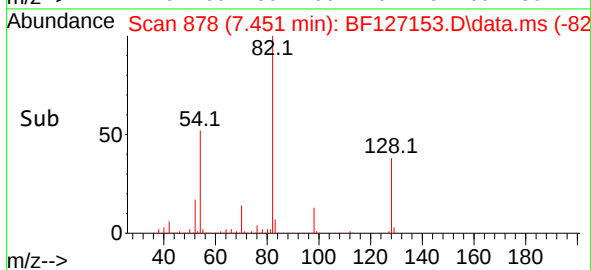
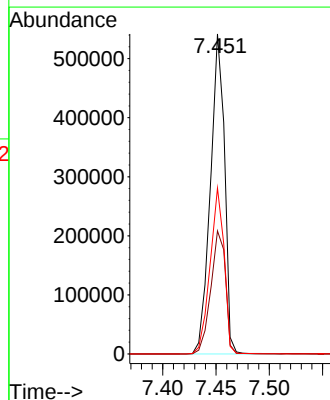
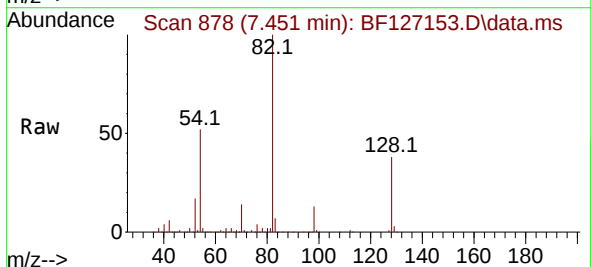
Instrument :
BNA_F
ClientSampleId :
DUM-8

Tgt Ion:136 Resp: 348255
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.1 7.8 11.6
68 5.6 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 64.909 ng
RT: 7.451 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

Tgt Ion: 82 Resp: 500799
Ion Ratio Lower Upper
82 100
128 38.5 32.7 49.1
54 51.8 41.7 62.5

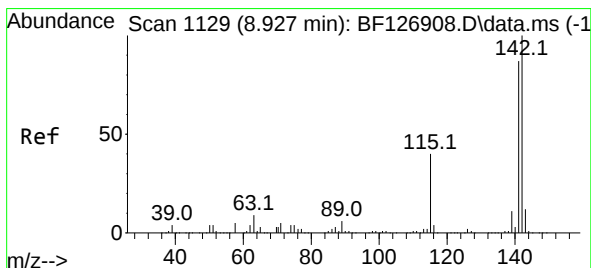
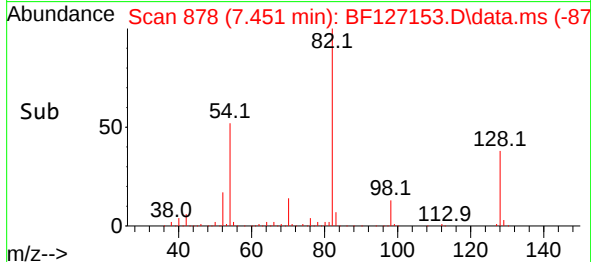
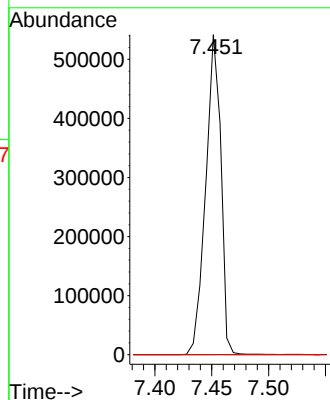
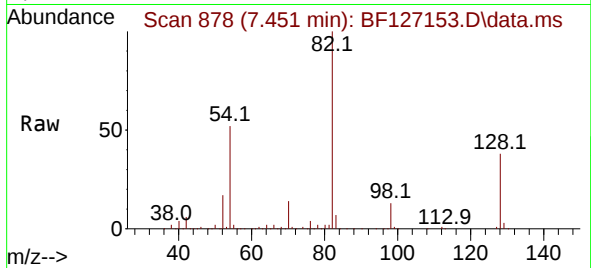




#25
Isophorone
Concen: 39.225 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

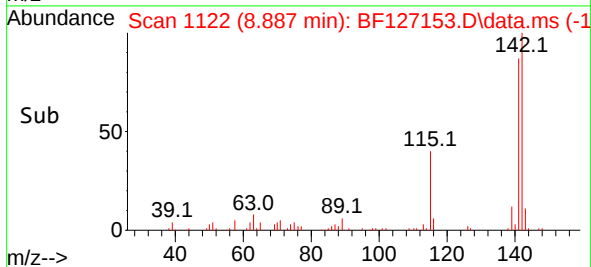
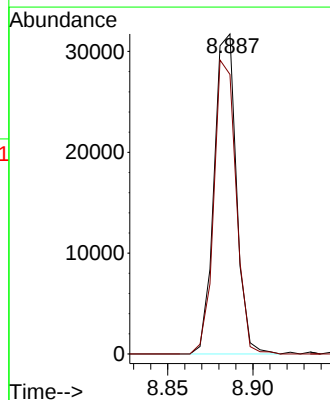
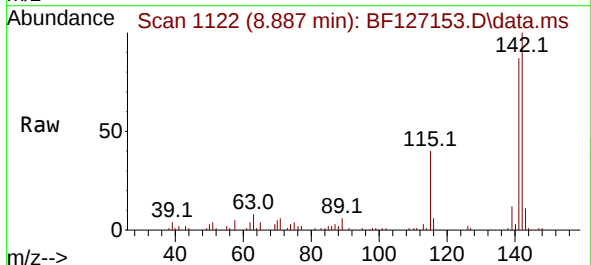
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BNA_F
ClientSampleId :
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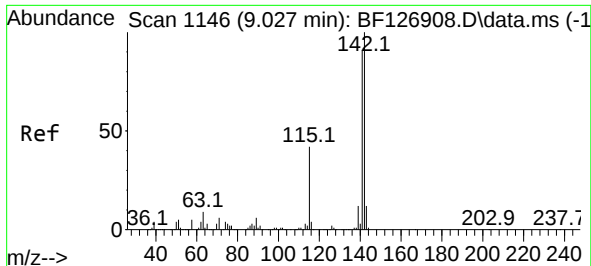
Tgt Ion: 82 Resp: 500788
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#37
2-Methylnaphthalene
Concen: 2.450 ng
RT: 8.887 min Scan# 1122
Delta R.T. -0.006 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

Tgt Ion: 142 Resp: 28904
Ion Ratio Lower Upper
142 100
141 87.4 68.6 102.8

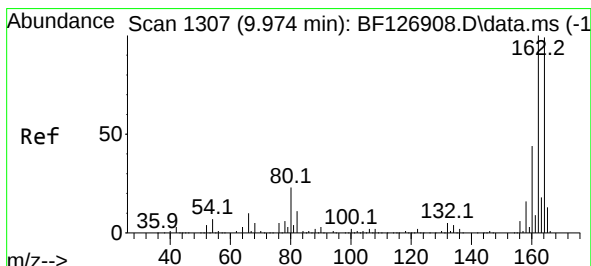
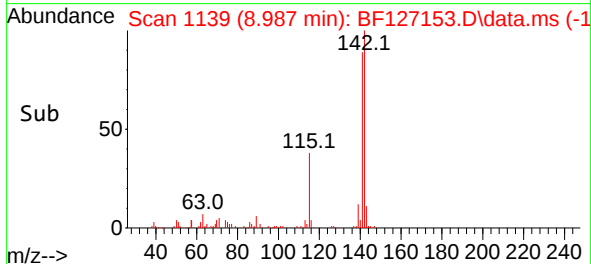
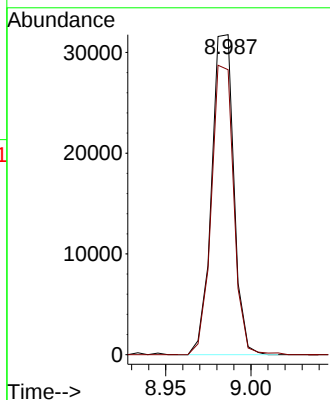
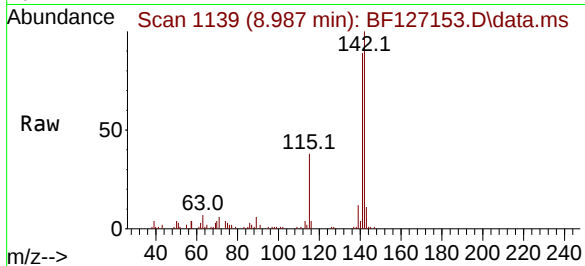




#38
1-Methylnaphthalene
Concen: 2.554 ng
RT: 8.987 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

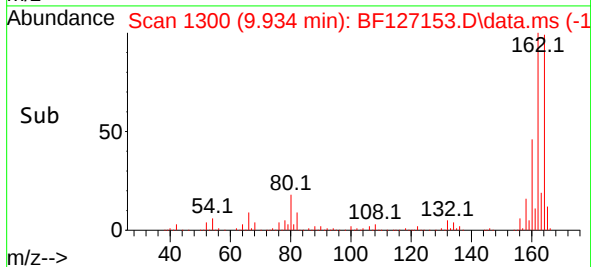
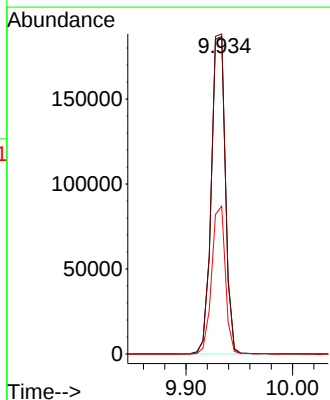
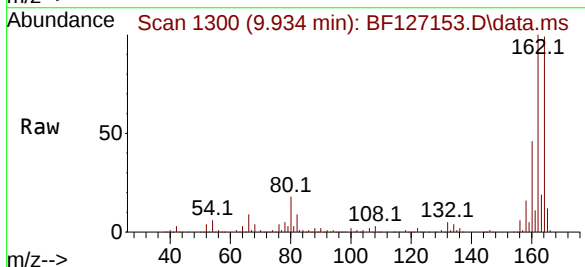
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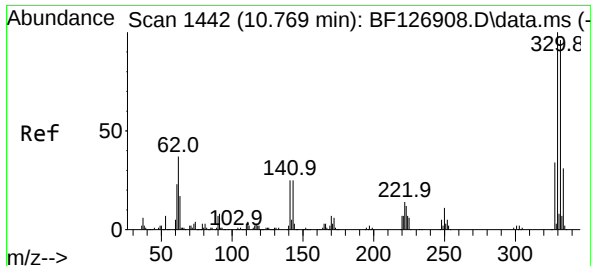
Tgt Ion:142 Resp: 28847
Ion Ratio Lower Upper
142 100
141 89.1 72.1 108.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

Tgt Ion:164 Resp: 171645
Ion Ratio Lower Upper
164 100
162 100.8 81.4 122.0
160 46.6 36.6 54.8

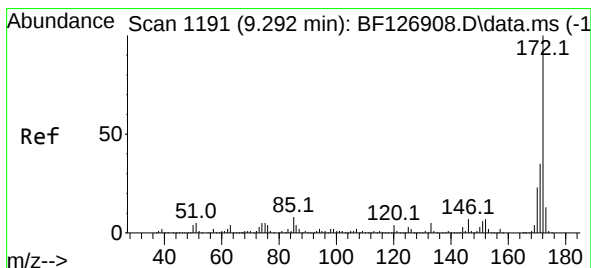
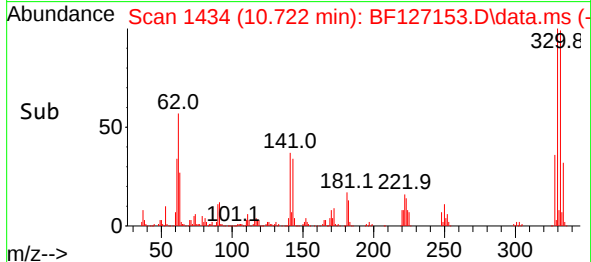
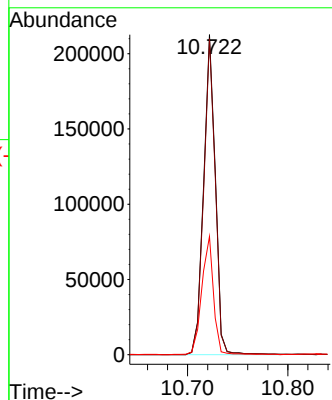
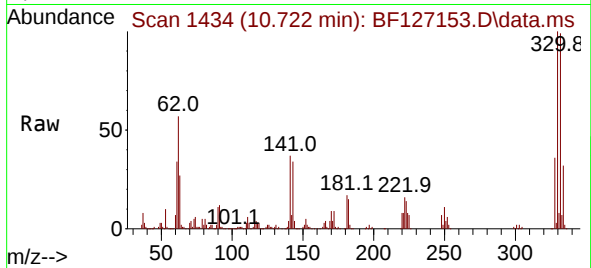




#42
2,4,6-Tribromophenol
Concen: 87.746 ng
RT: 10.722 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

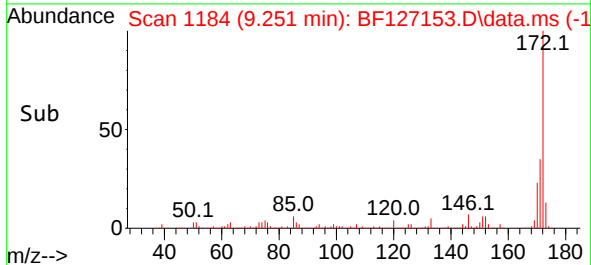
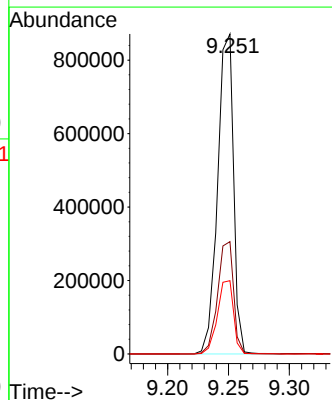
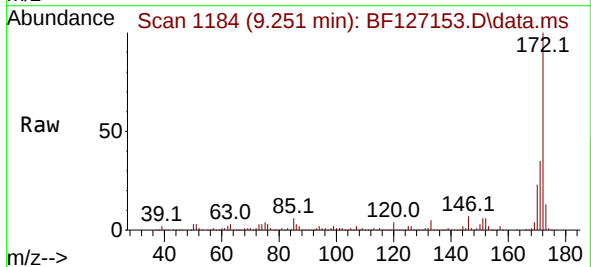
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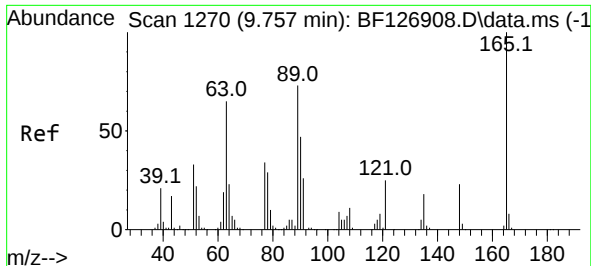
Tgt Ion:330 Resp: 173408
Ion Ratio Lower Upper
330 100
332 98.1 76.0 114.0
141 37.4 30.1 45.1



#45
2-Fluorobiphenyl
Concen: 68.288 ng
RT: 9.251 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

Tgt Ion:172 Resp: 796197
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 22.9 19.0 28.6

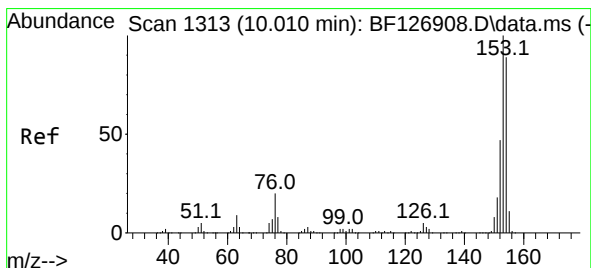
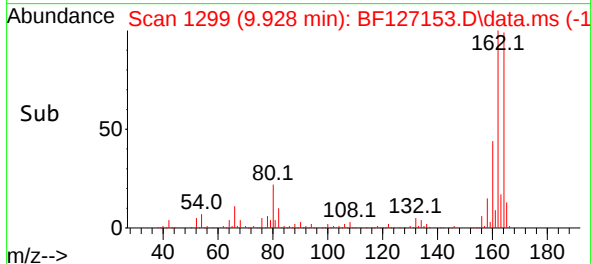
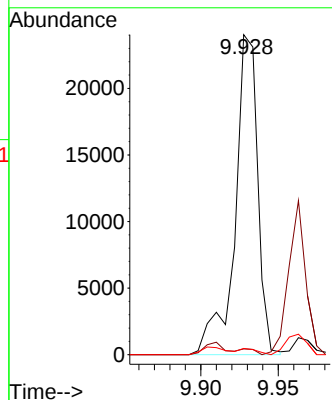
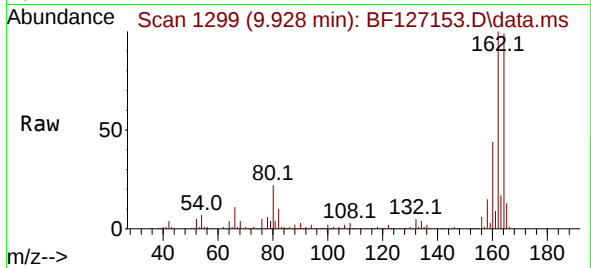




#51
2,6-Dinitrotoluene
Concen: 9.821 ng
RT: 9.928 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

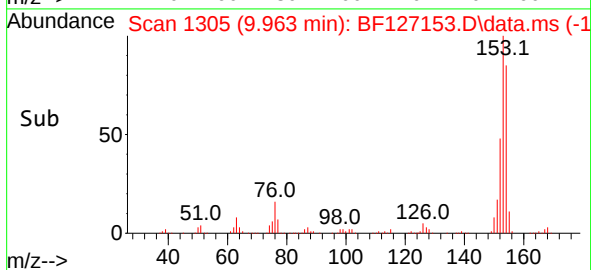
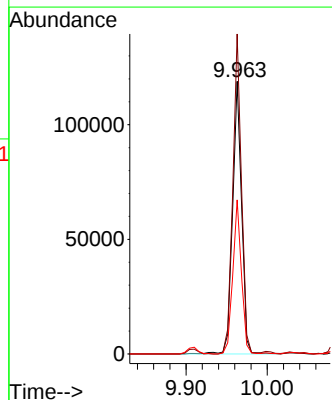
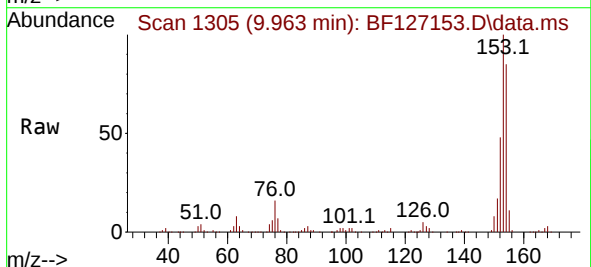
Instrument :
BNA_F
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DUM-8

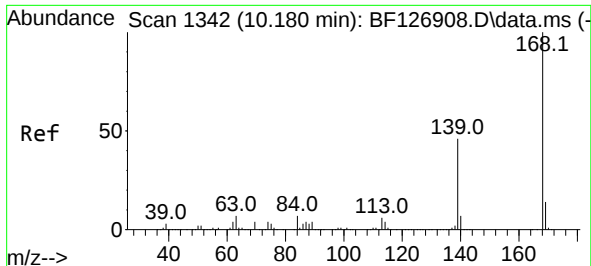
Tgt Ion:165 Resp: 24514
Ion Ratio Lower Upper
165 100
63 1.8 48.4 72.6#
89 1.9 50.5 75.7#



#52
Acenaphthene
Concen: 8.584 ng
RT: 9.963 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

Tgt Ion:154 Resp: 91444
Ion Ratio Lower Upper
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153 117.4 87.8 131.6
152 56.5 39.4 59.2

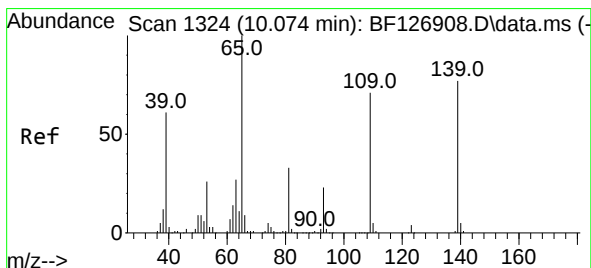
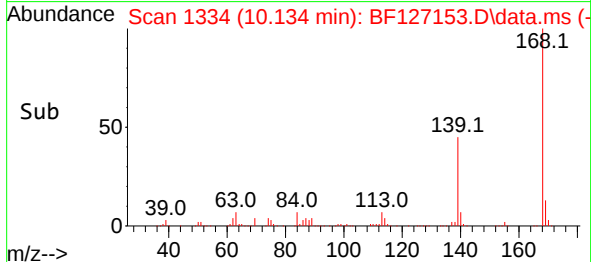
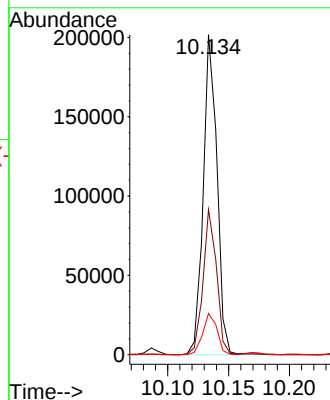
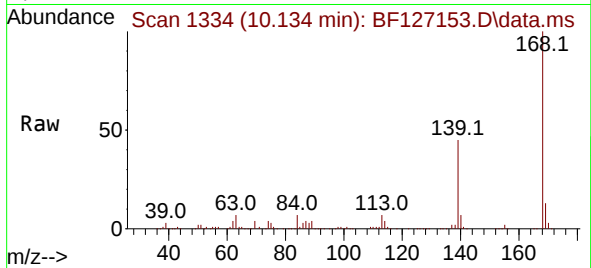




#55
Dibenzenofuran
Concen: 10.833 ng
RT: 10.134 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

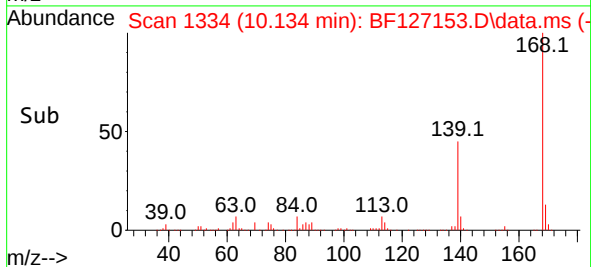
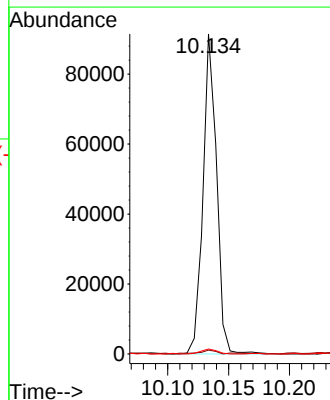
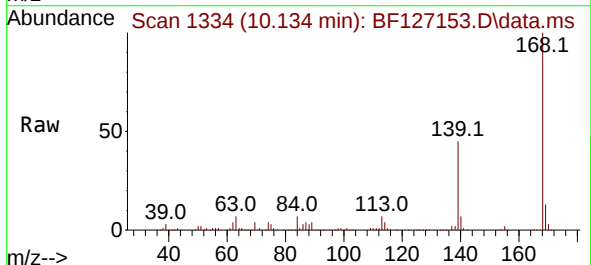
Instrument :
BNA_F
ClientSampleId :
DUM-8

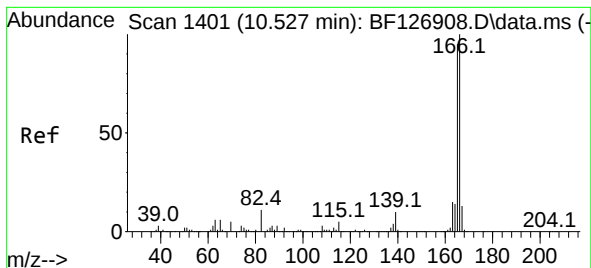
Tgt Ion:168 Resp: 158692
Ion Ratio Lower Upper
168 100
139 45.3 30.6 46.0
169 12.9 10.0 15.0



#56
4-Nitrophenol
Concen: 31.525 ng
RT: 10.134 min Scan# 1334
Delta R.T. 0.082 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

Tgt Ion:139 Resp: 71045
Ion Ratio Lower Upper
139 100
109 1.2 44.1 84.1#
65 1.6 85.5 125.5#





#58

Fluorene

Concen: 16.420 ng

RT: 10.481 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127153.D

Acq: 02 Mar 2022 18:08

Instrument :

BNA_F

ClientSampleId :

DUM-8

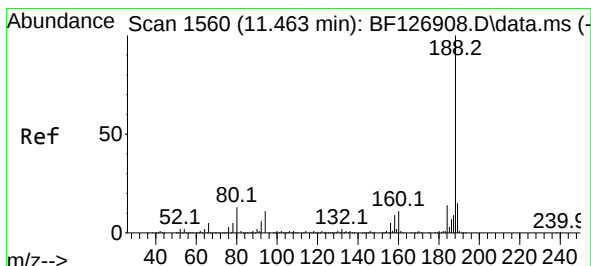
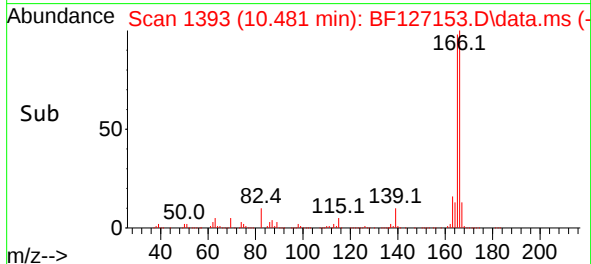
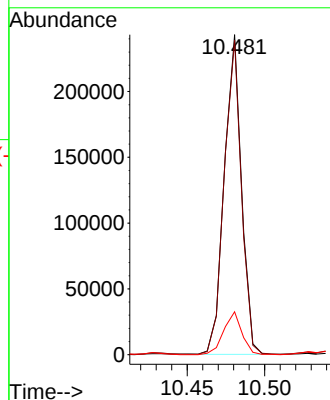
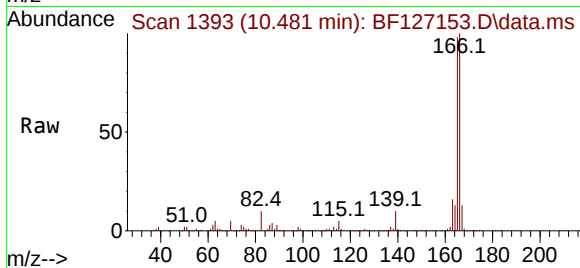
Tgt Ion:166 Resp: 187363

Ion Ratio Lower Upper

166 100

165 98.3 77.7 116.5

167 13.4 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1553

Delta R.T. -0.006 min

Lab File: BF127153.D

Acq: 02 Mar 2022 18:08

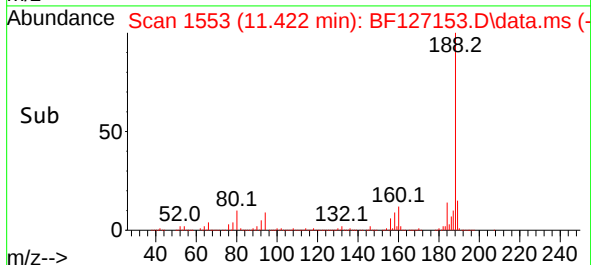
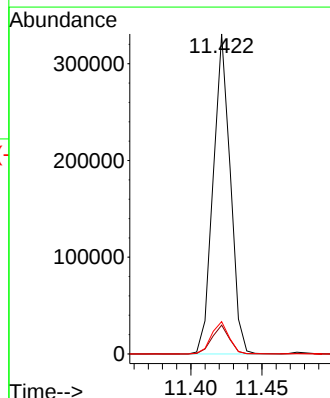
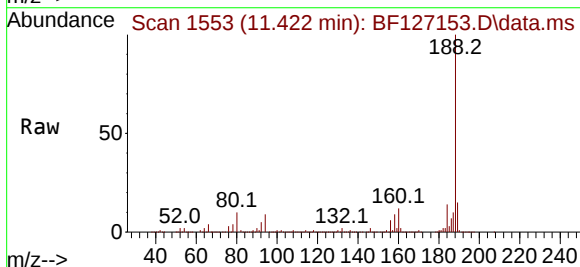
Tgt Ion:188 Resp: 276893

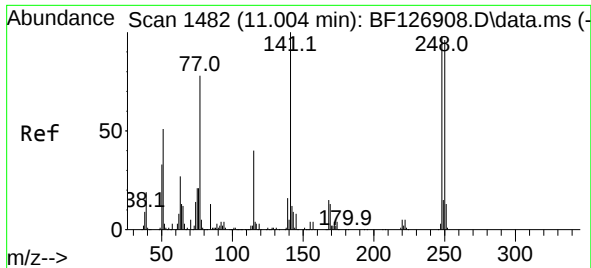
Ion Ratio Lower Upper

188 100

94 9.0 10.1 15.1#

80 10.1 11.8 17.6#

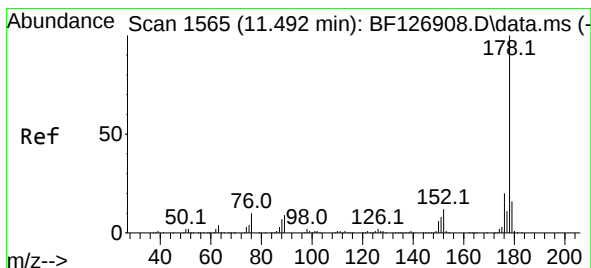
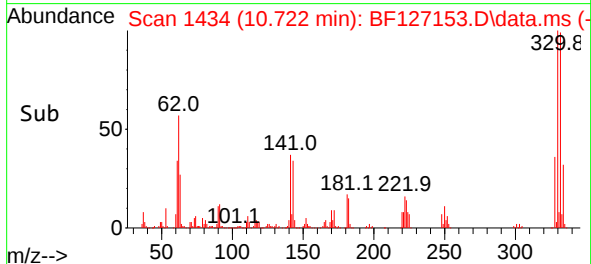
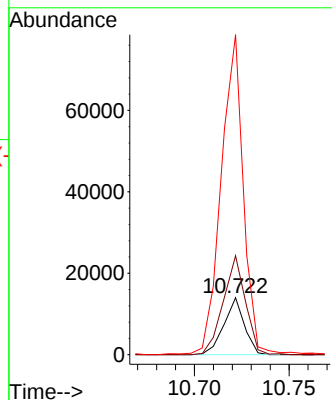
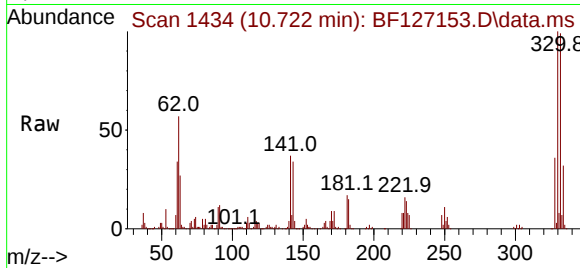




#67
4-Bromophenyl-phenylether
Concen: 3.412 ng
RT: 10.722 min Scan# 1482
Delta R.T. -0.247 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

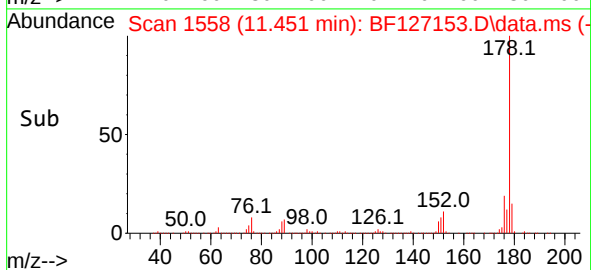
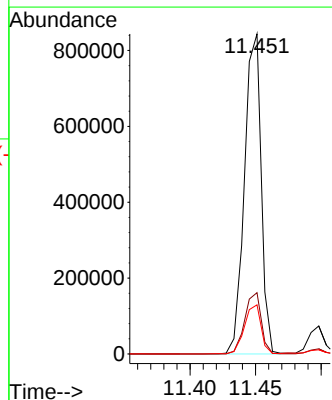
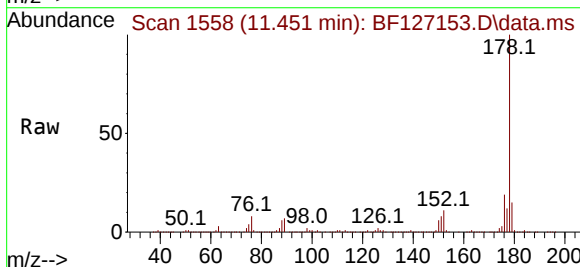
Instrument :
BNA_F
ClientSampleId :
DUM-8

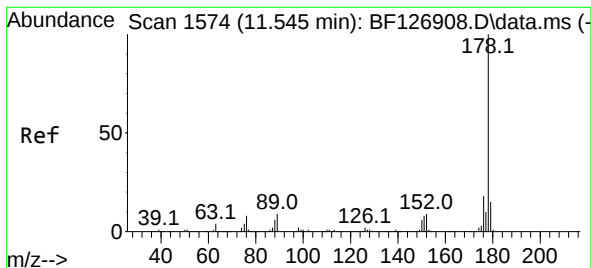
Tgt Ion:248 Resp: 10556
Ion Ratio Lower Upper
248 100
250 173.6 76.2 114.4#
141 561.7 66.2 99.4#



#71
Phenanthrene
Concen: 48.213 ng
RT: 11.451 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

Tgt Ion:178 Resp: 747209
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 15.4 12.3 18.5





#72

Anthracene

Concen: 3.828 ng

RT: 11.498 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127153.D

Acq: 02 Mar 2022 18:08

Instrument :

BNA_F

ClientSampleId :

DUM-8

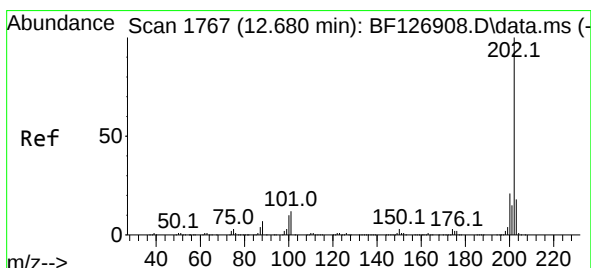
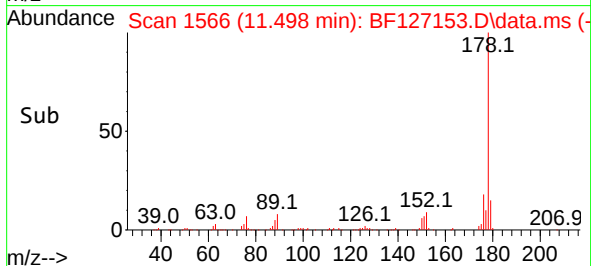
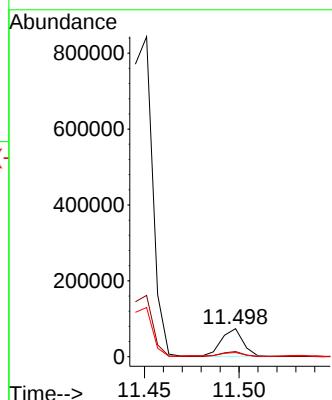
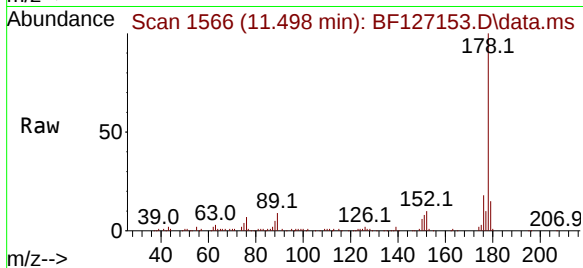
Tgt Ion:178 Resp: 59066

Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.6

179 15.1 12.5 18.7



#75

Fluoranthene

Concen: 20.815 ng

RT: 12.639 min Scan# 1760

Delta R.T. -0.006 min

Lab File: BF127153.D

Acq: 02 Mar 2022 18:08

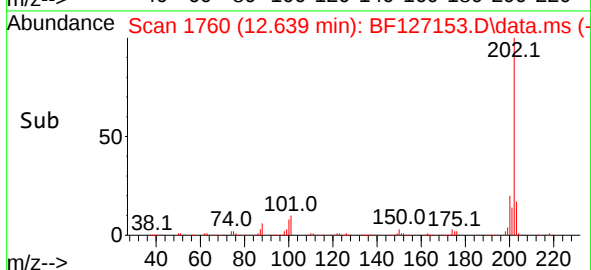
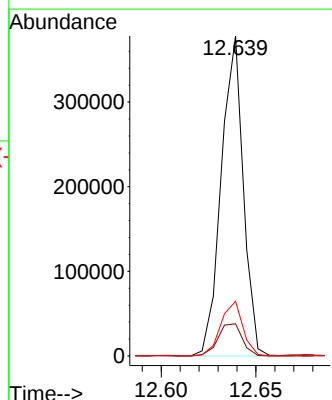
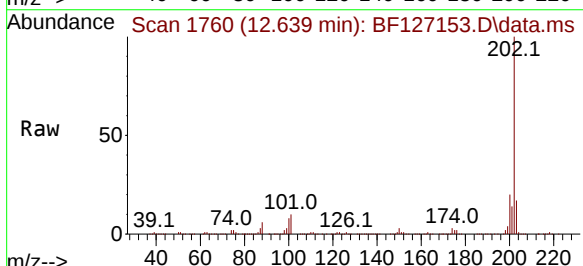
Tgt Ion:202 Resp: 306302

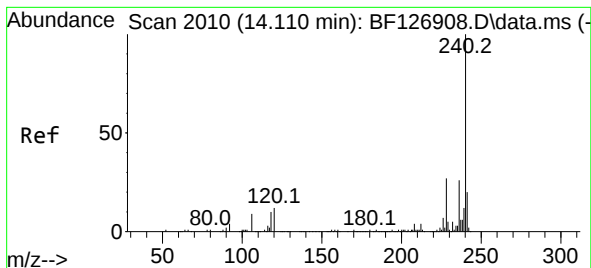
Ion Ratio Lower Upper

202 100

101 10.1 0.0 35.7

203 17.1 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF127153.D

Acq: 02 Mar 2022 18:08

Instrument :

BNA_F

ClientSampleId :

DUM-8

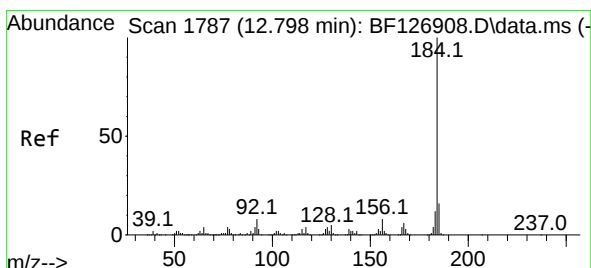
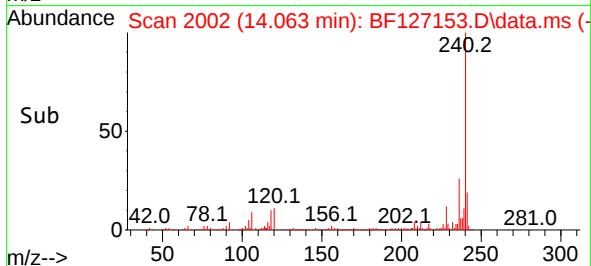
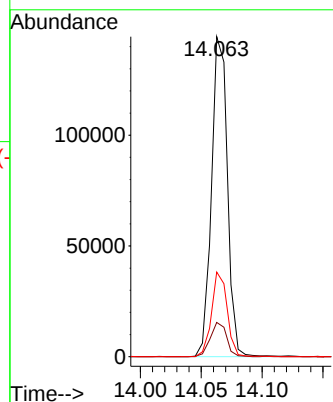
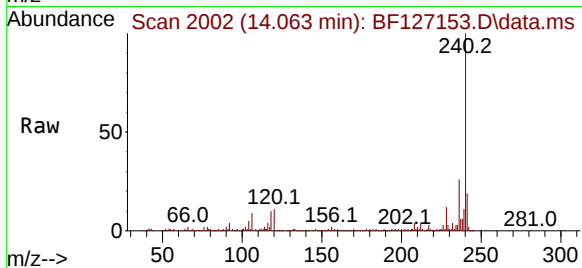
Tgt Ion:240 Resp: 131586

Ion Ratio Lower Upper

240 100

120 10.7 14.4 21.6#

236 26.5 20.5 30.7



#77

Benzidine

Concen: 2.666 ng

RT: 13.004 min Scan# 1822

Delta R.T. 0.241 min

Lab File: BF127153.D

Acq: 02 Mar 2022 18:08

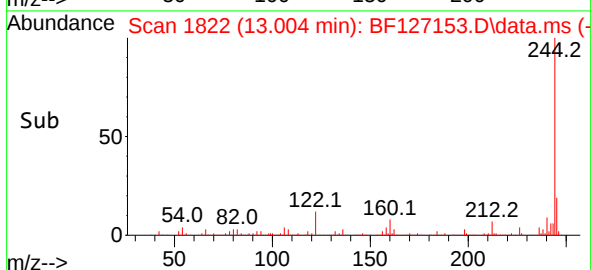
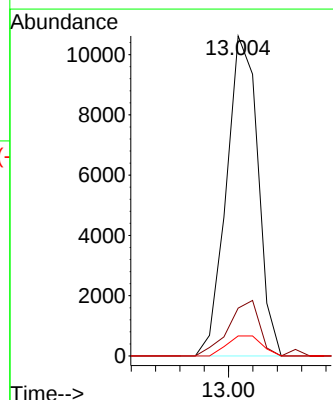
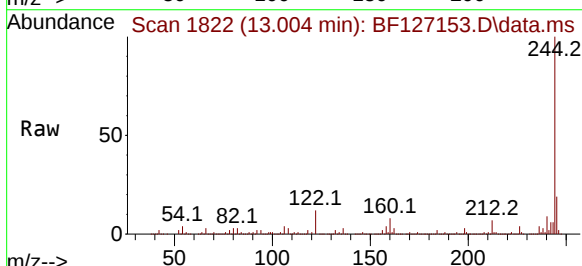
Tgt Ion:184 Resp: 9533

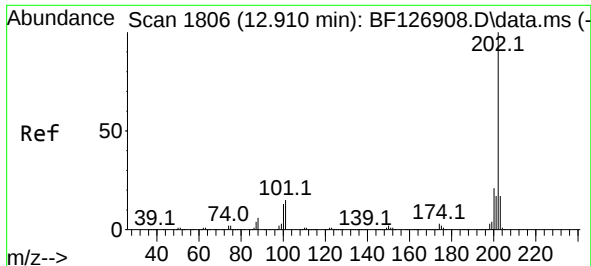
Ion Ratio Lower Upper

184 100

185 15.0 11.8 17.8

183 6.3 8.2 12.2#

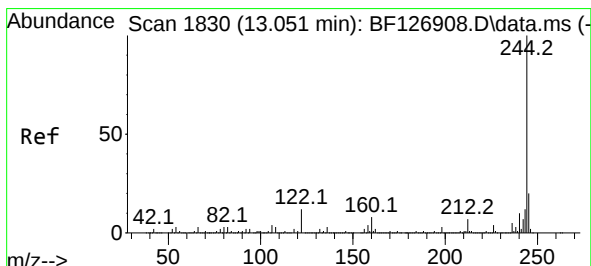
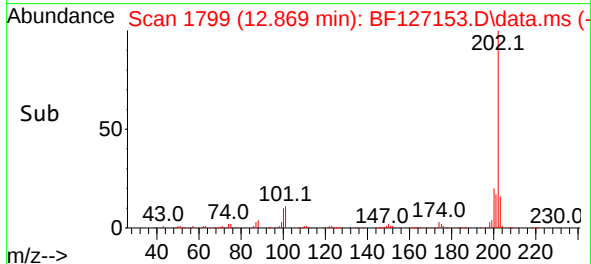
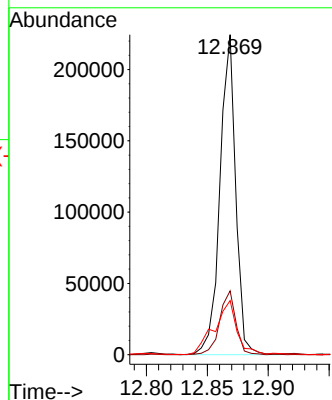
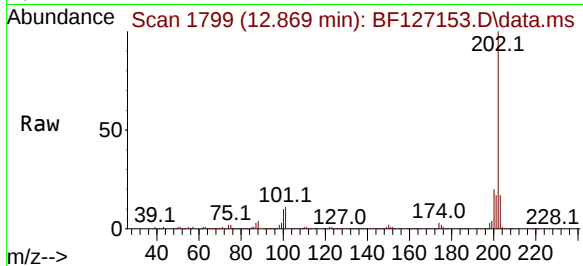




#78
Pyrene
Concen: 17.696 ng
RT: 12.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

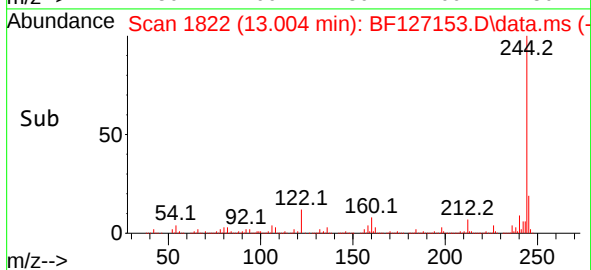
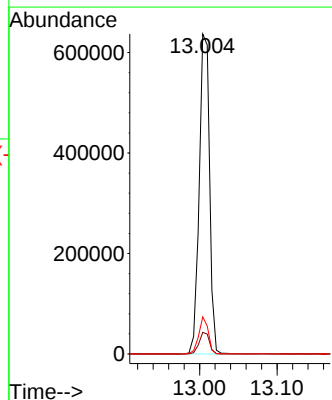
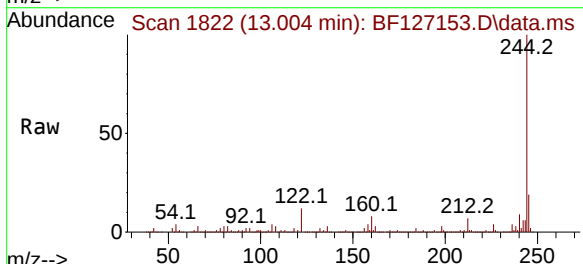
Instrument :
BNA_F
ClientSampleId :
DUM-8

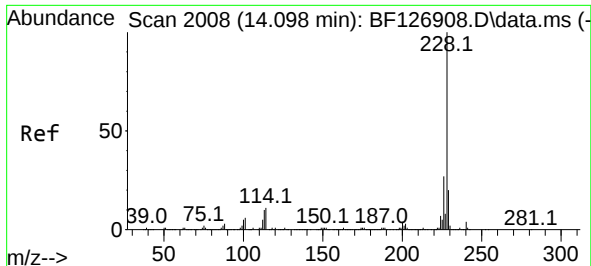
Tgt Ion:202 Resp: 202298
Ion Ratio Lower Upper
202 100
200 19.9 16.6 24.8
203 16.9 13.8 20.8



#79
Terphenyl-d14
Concen: 65.977 ng
RT: 13.004 min Scan# 1822
Delta R.T. -0.012 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

Tgt Ion:244 Resp: 590573
Ion Ratio Lower Upper
244 100
212 6.8 5.0 7.4
122 11.6 13.3 19.9#

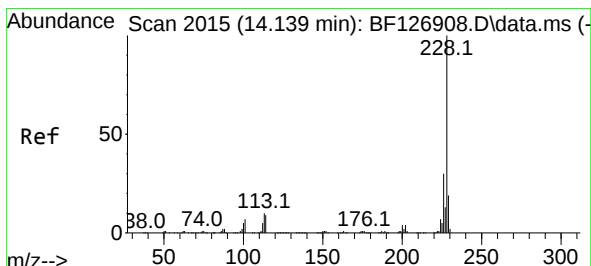
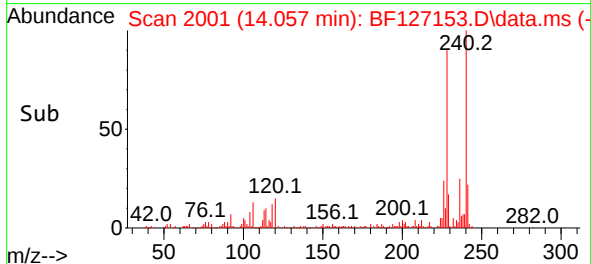
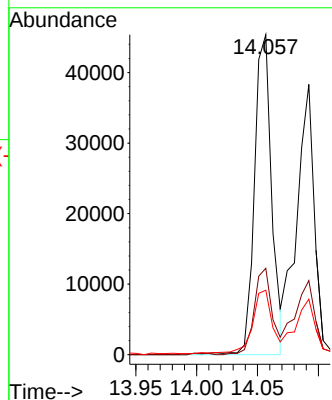
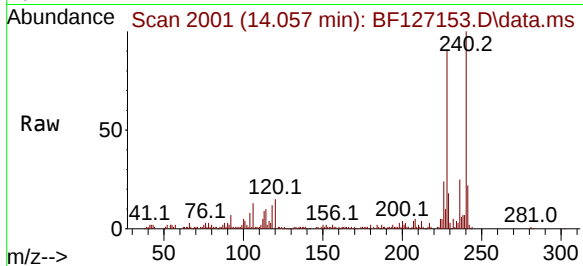




#81
Benzo(a)anthracene
Concen: 5.037 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.006 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

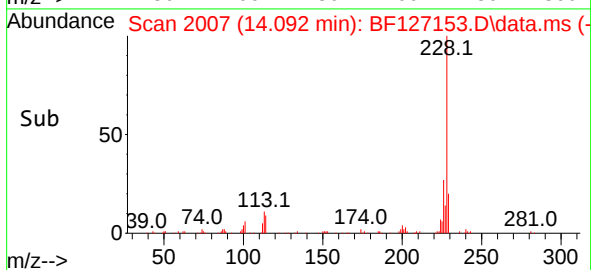
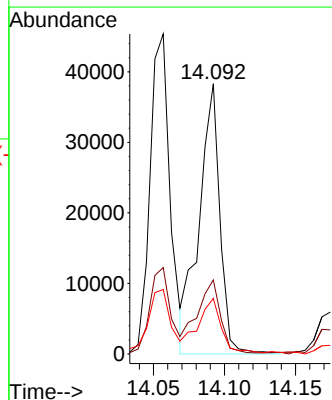
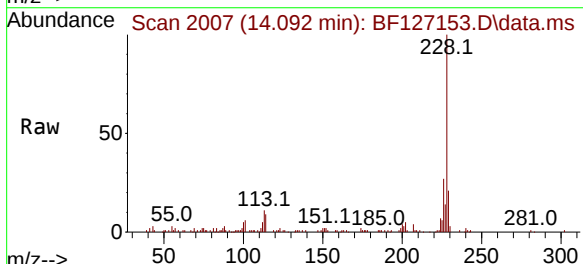
Instrument :
BNA_F
ClientSampleId :
DUM-8

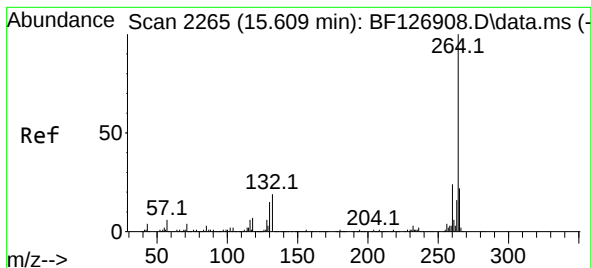
Tgt Ion:228 Resp: 44681
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.0
229 20.2 15.4 23.2



#83
Chrysene
Concen: 4.722 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

Tgt Ion:228 Resp: 39393
Ion Ratio Lower Upper
228 100
226 27.4 23.7 35.5
229 20.6 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF127153.D

Acq: 02 Mar 2022 18:08

Instrument :

BNA_F

ClientSampleId :

DUM-8

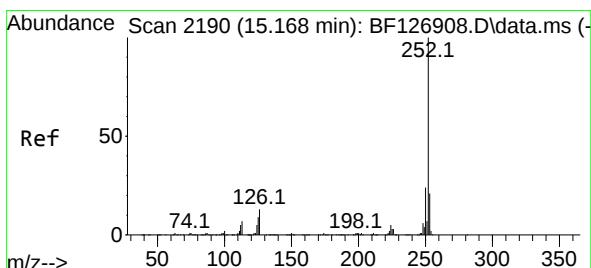
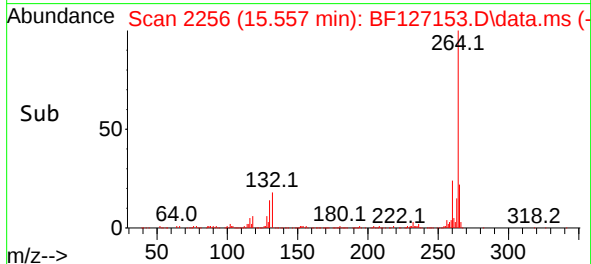
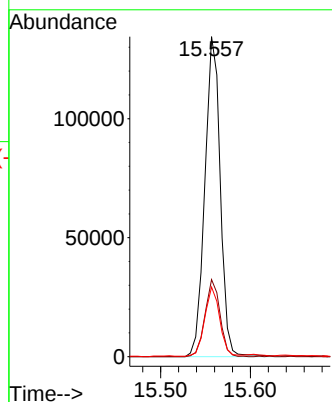
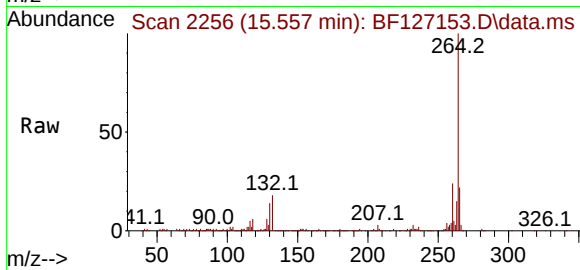
Tgt Ion:264 Resp: 160716

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.8 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 5.709 ng

RT: 15.116 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BF127153.D

Acq: 02 Mar 2022 18:08

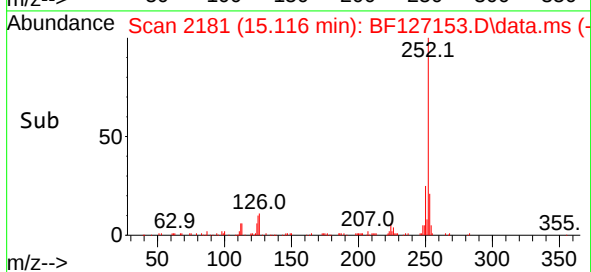
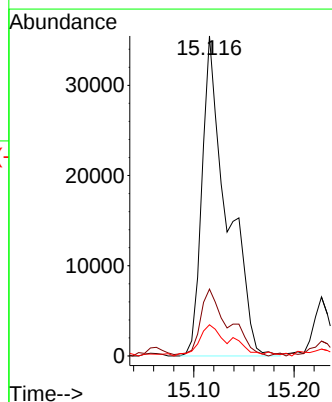
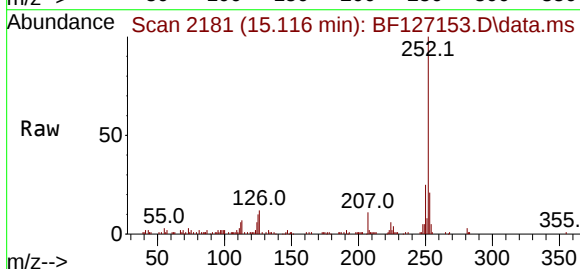
Tgt Ion:252 Resp: 61622

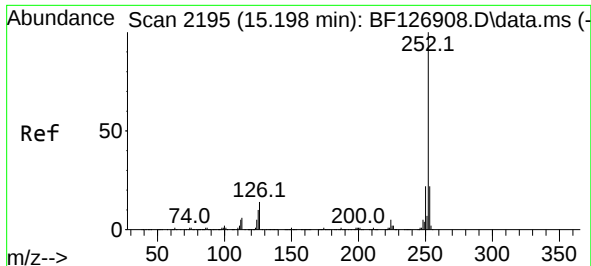
Ion Ratio Lower Upper

252 100

253 20.9 17.8 26.8

125 9.7 12.4 18.6#

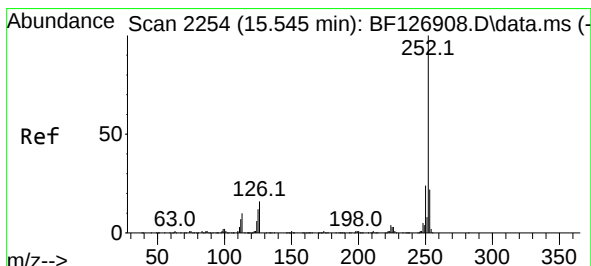
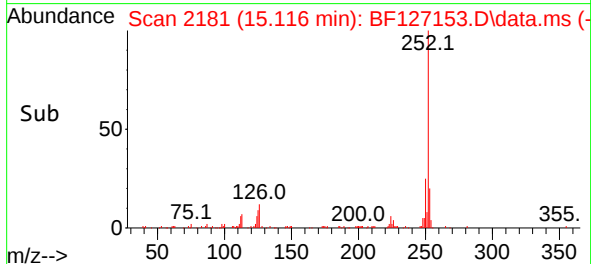
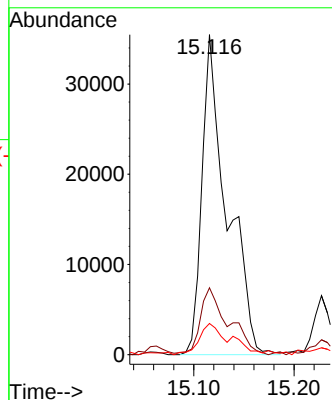
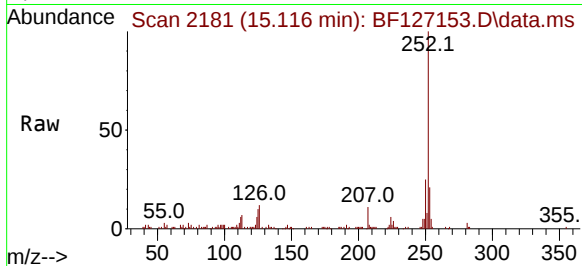




#89
Benzo(k)fluoranthene
Concen: 5.919 ng
RT: 15.116 min Scan# 2195
Delta R.T. -0.041 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

Instrument :
BNA_F
ClientSampleId :
DUM-8

Tgt Ion:252 Resp: 61622
Ion Ratio Lower Upper
252 100
253 20.9 17.5 26.3
125 9.7 11.8 17.6#



#90
Benzo(a)pyrene
Concen: 2.820 ng
RT: 15.427 min Scan# 2234
Delta R.T. -0.076 min
Lab File: BF127153.D
Acq: 02 Mar 2022 18:08

Tgt Ion:252 Resp: 23777
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 14.0 13.0 19.6

