

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021422\
 Data File : BF126874.D
 Acq On : 14 Feb 2022 16:42
 Operator : CG\JU
 Sample : N1436-02DL2 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 289DL2

Quant Time: Feb 15 01:00:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 10 00:44:00 2022
 Response via : Initial Calibration

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

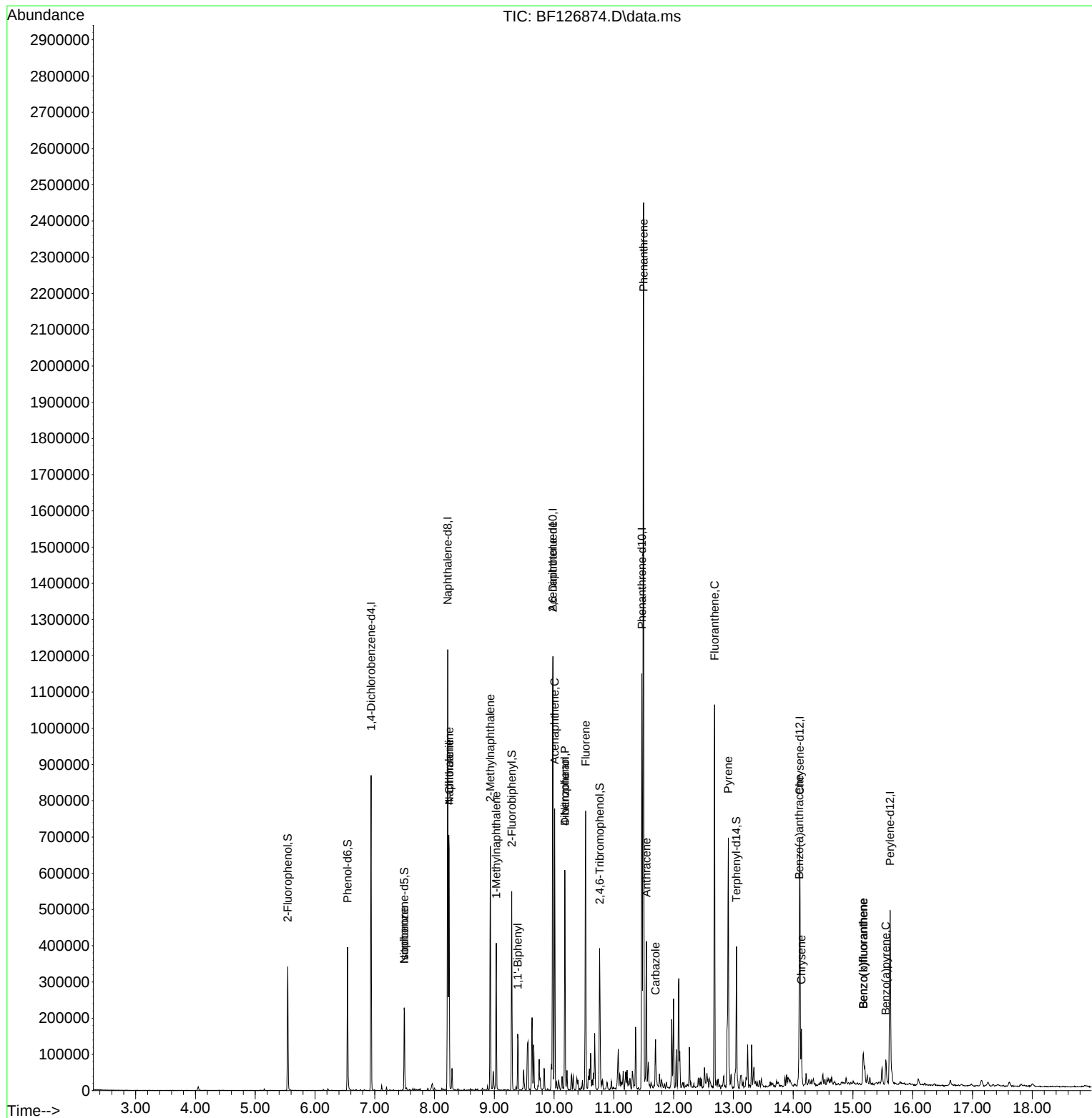
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	108042	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	453919	20.000	ng	0.00
39) Acenaphthene-d10	9.980	164	231614	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	383796	20.000	ng	0.00
76) Chrysene-d12	14.110	240	184965	20.000	ng	-0.01
86) Perylene-d12	15.621	264	201857	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	78533	11.191	ng	-0.01
7) Phenol-d6	6.545	99	106462	11.238	ng	-0.02
23) Nitrobenzene-d5	7.492	82	72031	7.322	ng	-0.02
42) 2,4,6-Tribromophenol	10.763	330	23362	9.409	ng	-0.01
45) 2-Fluorobiphenyl	9.292	172	132732	8.626	ng	-0.01
79) Terphenyl-d14	13.051	244	106344	8.242	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.492	82	72030	4.370	ng	# 68
31) Naphthalene	8.245	128	281183	11.944	ng	98
33) 4-Chloroaniline	8.245	127	35951	3.879	ng	# 32
37) 2-Methylnaphthalene	8.933	142	152978	10.169	ng	98
38) 1-Methylnaphthalene	9.033	142	92285	6.340	ng	98
46) 1,1'-Biphenyl	9.392	154	44777	2.437	ng	97
51) 2,6-Dinitrotoluene	9.980	165	34593	10.425	ng	# 21
52) Acenaphthene	10.010	154	133222	9.422	ng	96
55) Dibenzofuran	10.180	168	186943	9.603	ng	98
56) 4-Nitrophenol	10.180	139	82002	28.209	ng	# 1
58) Fluorene	10.527	166	188147	12.600	ng	98
71) Phenanthrene	11.498	178	826660	38.873	ng	99
72) Anthracene	11.545	178	133208	6.269	ng	99
73) Carbazole	11.698	167	46896	2.425	ng	99
75) Fluoranthene	12.686	202	384431	19.326	ng	98
78) Pyrene	12.916	202	256738	15.293	ng	100
81) Benzo(a)anthracene	14.104	228	67624	5.397	ng	98
83) Chrysene	14.139	228	56743	4.823	ng	97
88) Benzo(b)fluoranthene	15.174	252	66279	5.140	ng	# 96
89) Benzo(k)fluoranthene	15.174	252	66279	4.979	ng	# 96
90) Benzo(a)pyrene	15.551	252	31834	3.025	ng	# 93

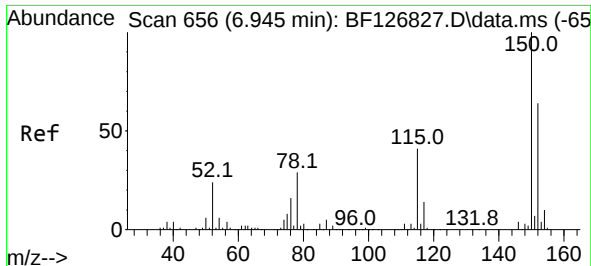
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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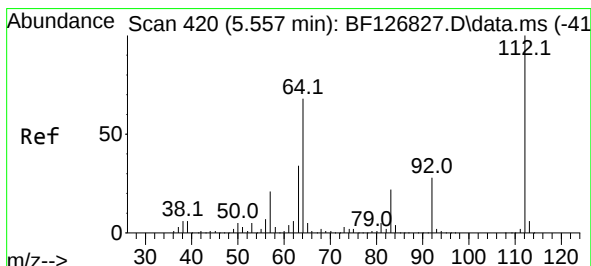
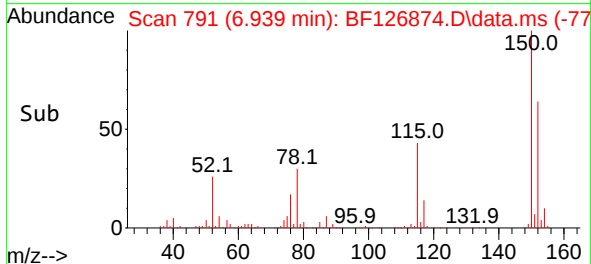
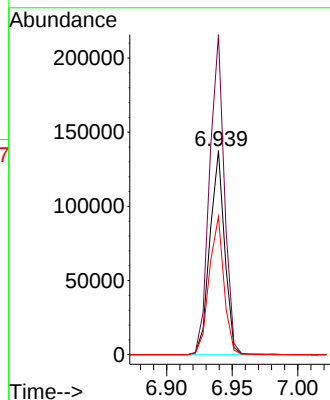
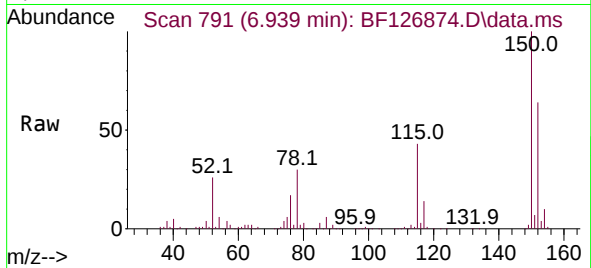




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

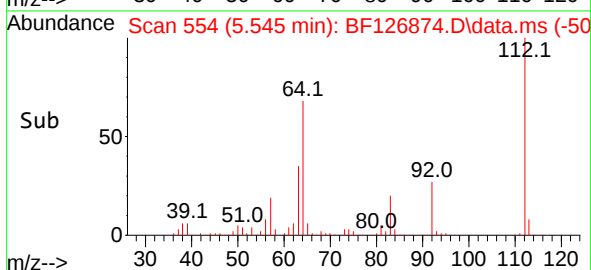
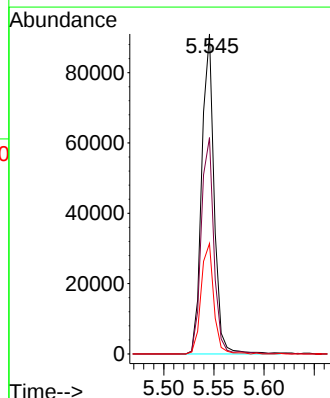
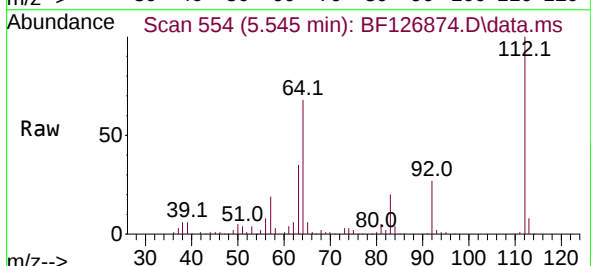
Instrument :
BNA_F
ClientSampleId :
289DL2

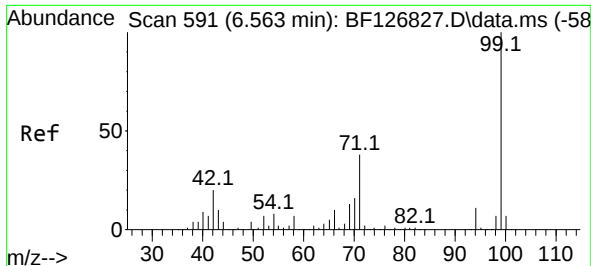
Tgt Ion:152 Resp: 108042
Ion Ratio Lower Upper
152 100
150 156.9 124.3 186.5
115 67.7 50.5 75.7



#5
2-Fluorophenol
Concen: 11.191 ng
RT: 5.545 min Scan# 554
Delta R.T. -0.012 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

Tgt Ion:112 Resp: 78533
Ion Ratio Lower Upper
112 100
64 67.6 54.3 81.5
63 34.5 27.5 41.3

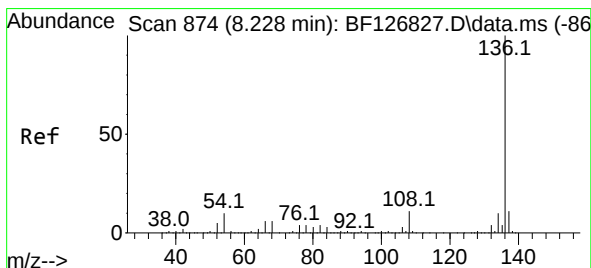
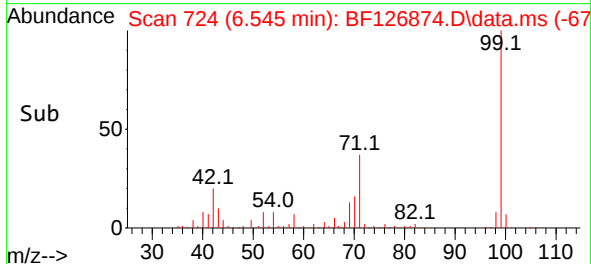
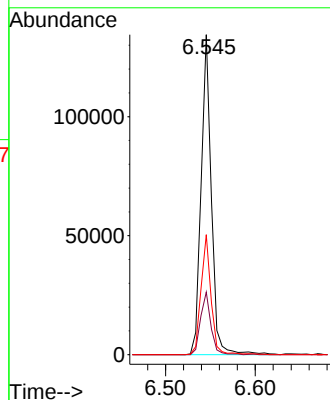
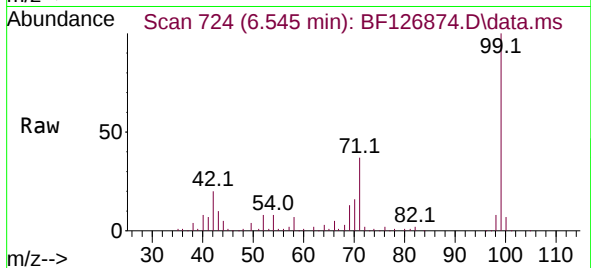




#7
Phenol-d6
Concen: 11.238 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

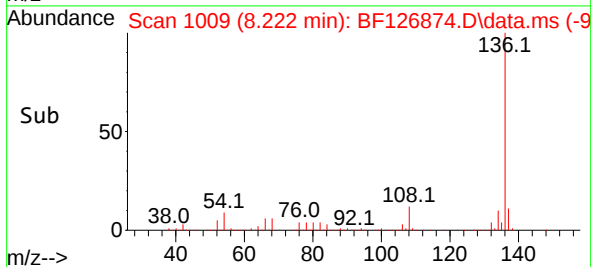
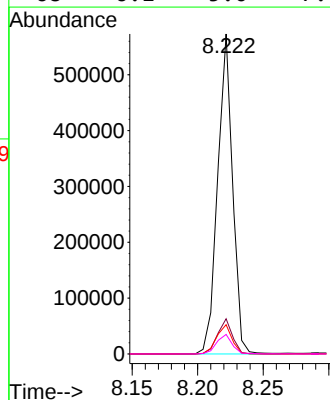
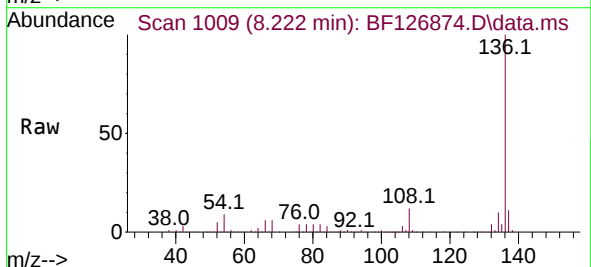
Instrument :
BNA_F
ClientSampleId :
289DL2

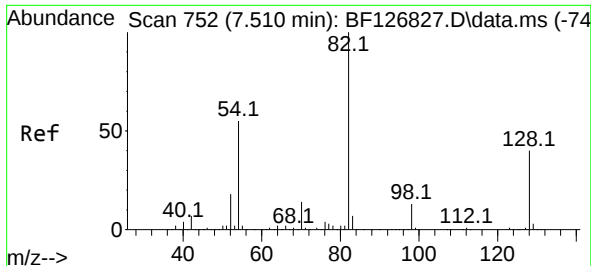
Tgt Ion: 99 Resp: 106462
Ion Ratio Lower Upper
99 100
42 19.6 15.8 23.6
71 37.5 30.6 45.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

Tgt Ion: 136 Resp: 453919
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.2 8.0 12.0
68 6.1 5.0 7.6





#23

Nitrobenzene-d5

Concen: 7.322 ng

RT: 7.492 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF126874.D

Acq: 14 Feb 2022 16:42

Instrument :

BNA_F

ClientSampleId :

289DL2

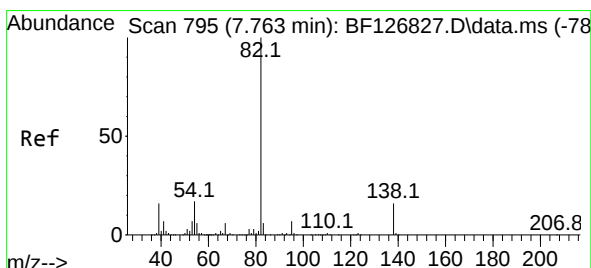
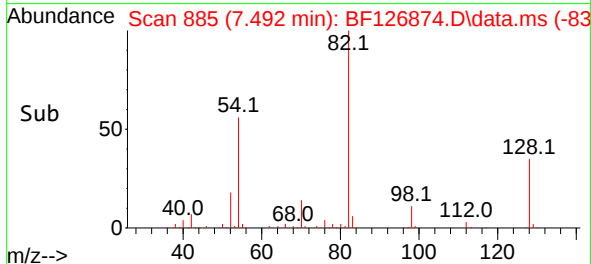
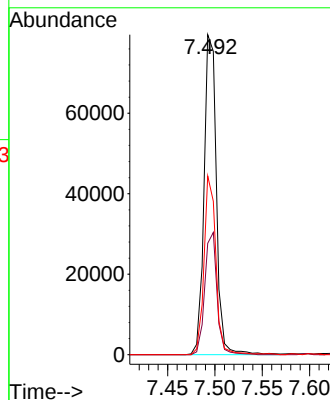
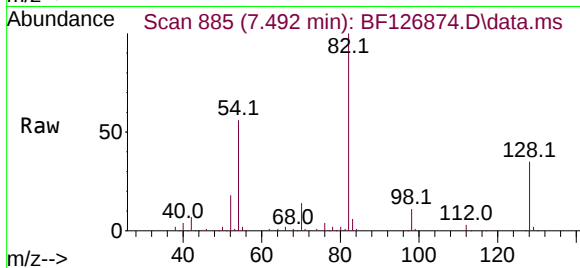
Tgt Ion: 82 Resp: 72031

Ion Ratio Lower Upper

82 100

128 34.8 31.6 47.4

54 55.9 43.7 65.5



#25

Isophorone

Concen: 4.370 ng

RT: 7.492 min Scan# 885

Delta R.T. -0.271 min

Lab File: BF126874.D

Acq: 14 Feb 2022 16:42

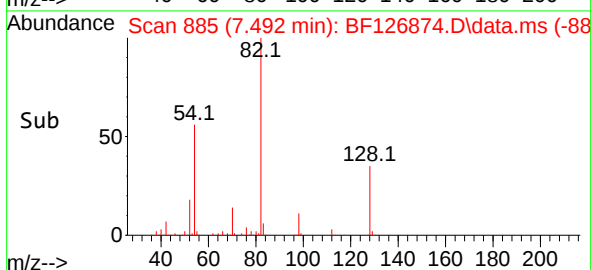
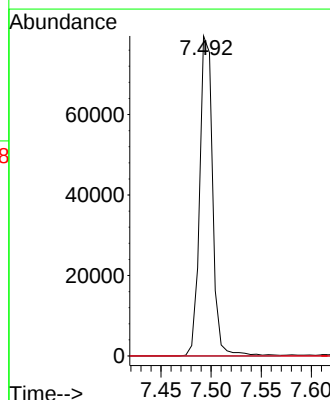
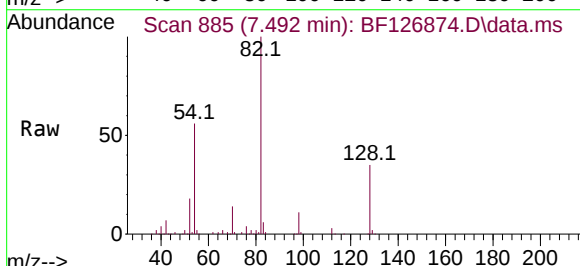
Tgt Ion: 82 Resp: 72030

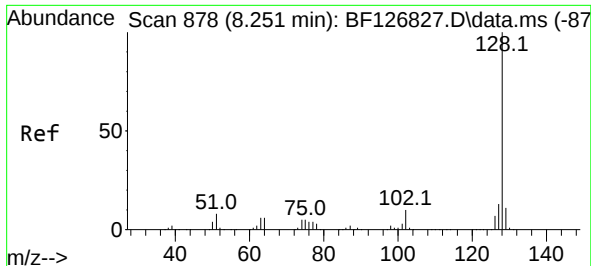
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 12.6 19.0#

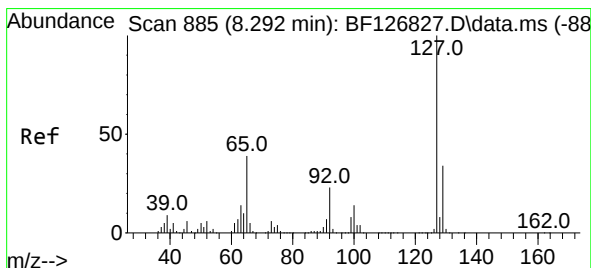
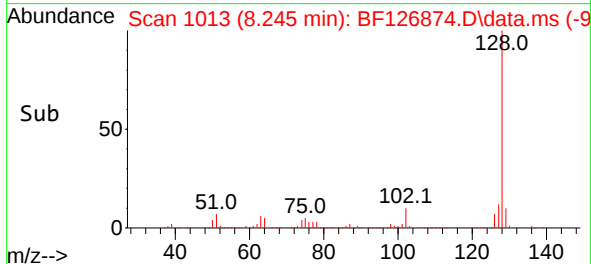
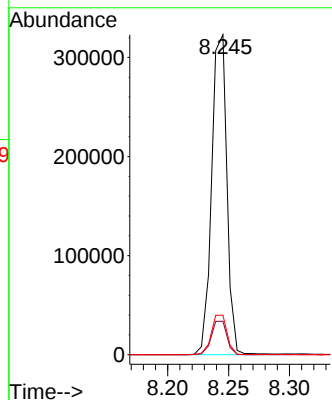
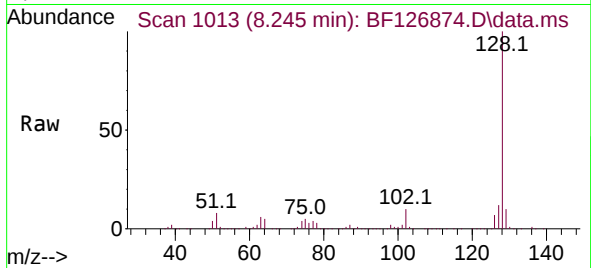




#31
Naphthalene
Concen: 11.944 ng
RT: 8.245 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

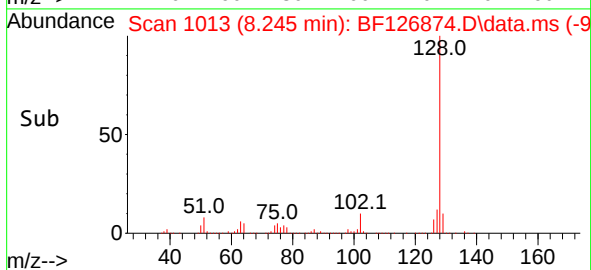
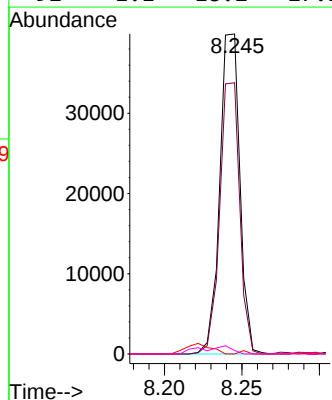
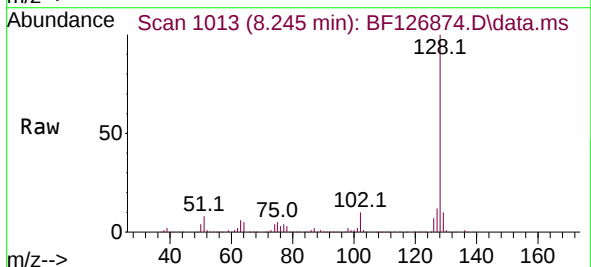
Instrument :
BNA_F
ClientSampleId :
289DL2

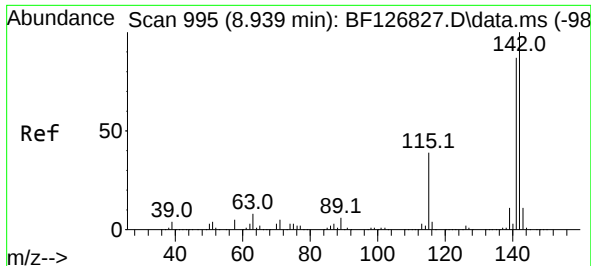
Tgt Ion:128 Resp: 281183
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 12.3 10.6 15.8



#33
4-Chloroaniline
Concen: 3.879 ng
RT: 8.245 min Scan# 1013
Delta R.T. -0.047 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

Tgt Ion:127 Resp: 35951
Ion Ratio Lower Upper
127 100
129 84.8 27.1 40.7#
65 0.0 31.4 47.2#
92 1.1 18.2 27.2#

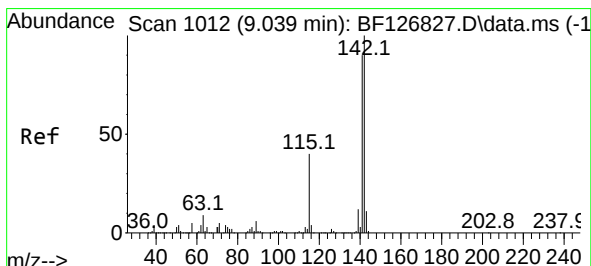
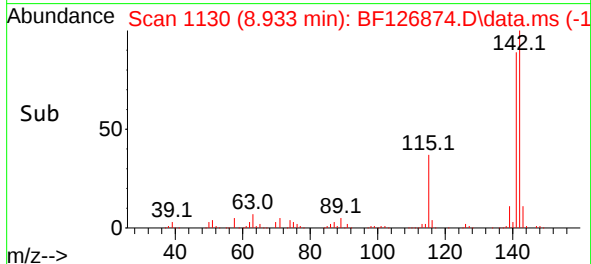
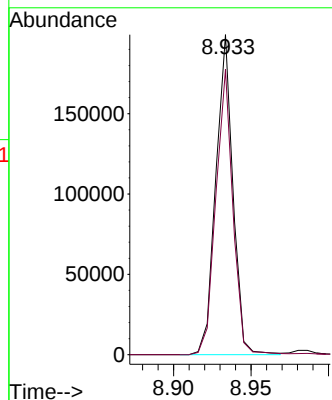
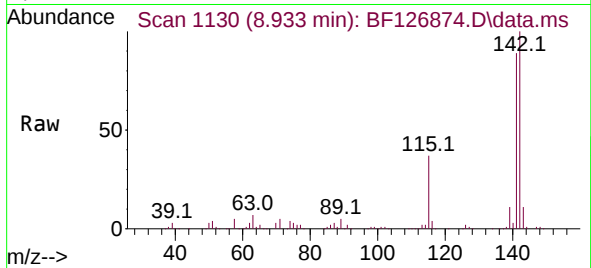




#37
2-Methylnaphthalene
Concen: 10.169 ng
RT: 8.933 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

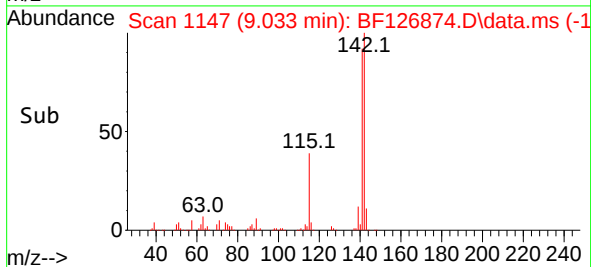
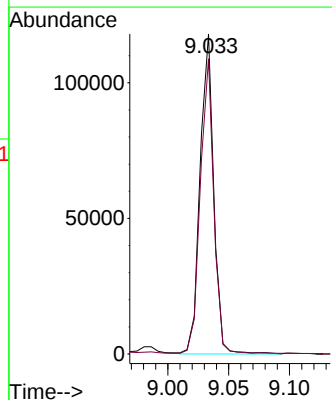
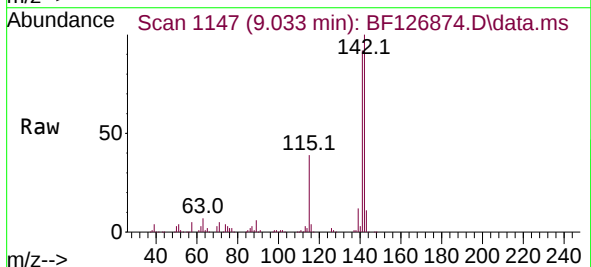
Instrument :
BNA_F
ClientSampleId :
289DL2

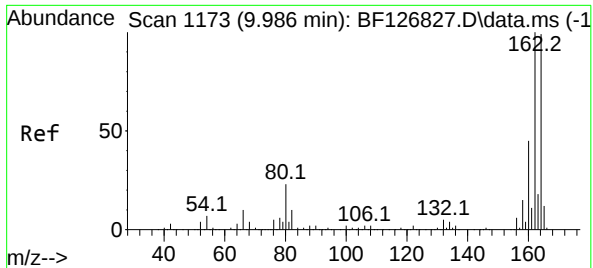
Tgt Ion:142 Resp: 152978
Ion Ratio Lower Upper
142 100
141 89.1 69.7 104.5



#38
1-Methylnaphthalene
Concen: 6.340 ng
RT: 9.033 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

Tgt Ion:142 Resp: 92285
Ion Ratio Lower Upper
142 100
141 92.2 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.980 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126874.D

Acq: 14 Feb 2022 16:42

Instrument :

BNA_F

ClientSampleId :

289DL2

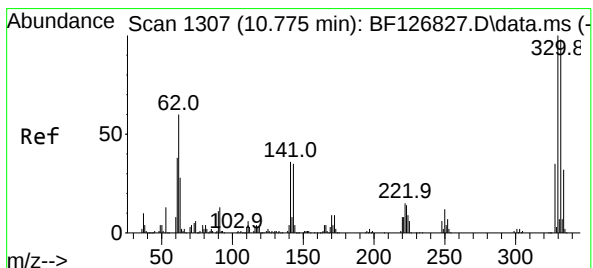
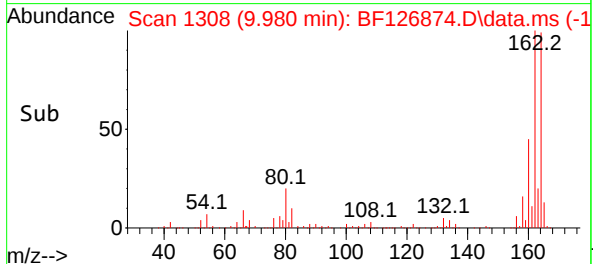
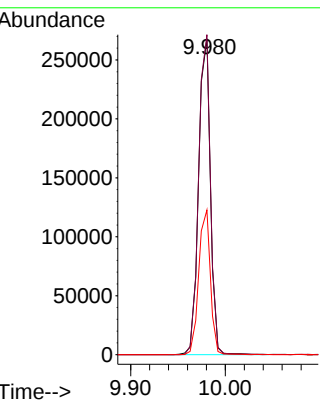
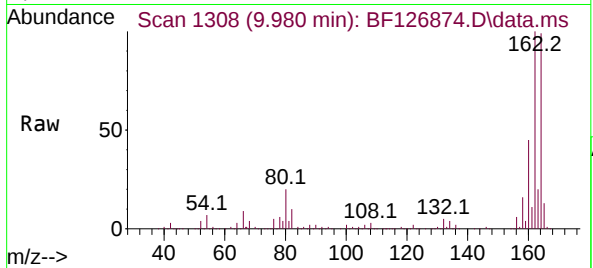
Tgt Ion:164 Resp: 231614

Ion Ratio Lower Upper

164 100

162 101.2 80.9 121.3

160 45.8 36.0 54.0



#42

2,4,6-Tribromophenol

Concen: 9.409 ng

RT: 10.763 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF126874.D

Acq: 14 Feb 2022 16:42

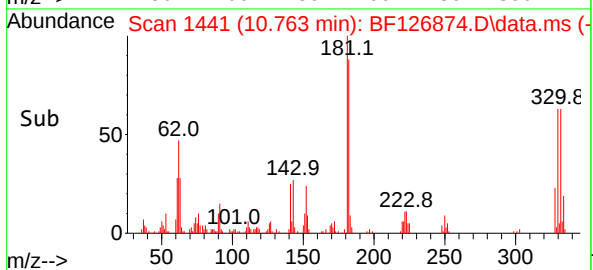
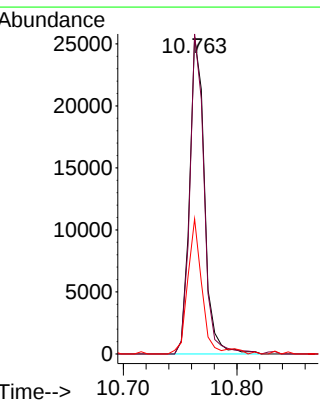
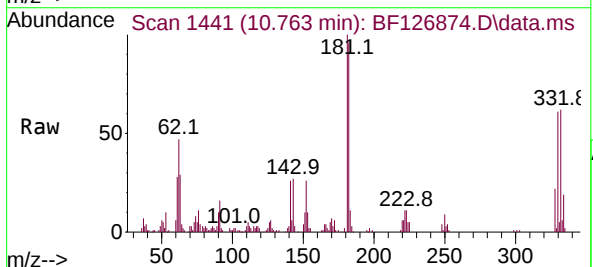
Tgt Ion:330 Resp: 23362

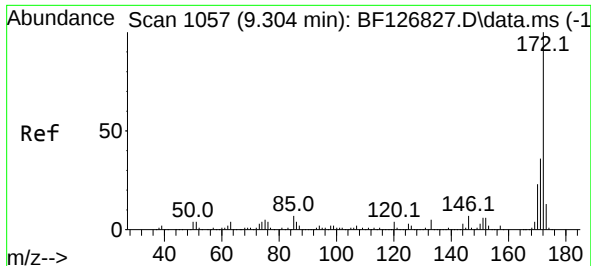
Ion Ratio Lower Upper

330 100

332 97.0 78.2 117.4

141 39.7 31.2 46.8





#45

2-Fluorobiphenyl

Concen: 8.626 ng

RT: 9.292 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF126874.D

Acq: 14 Feb 2022 16:42

Instrument :

BNA_F

ClientSampleId :

289DL2

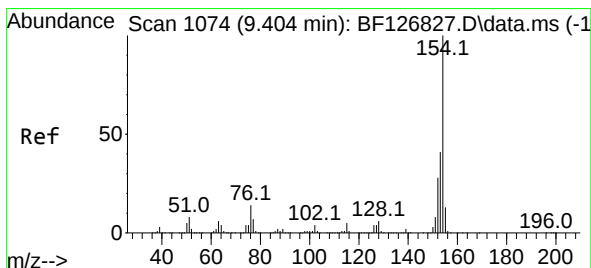
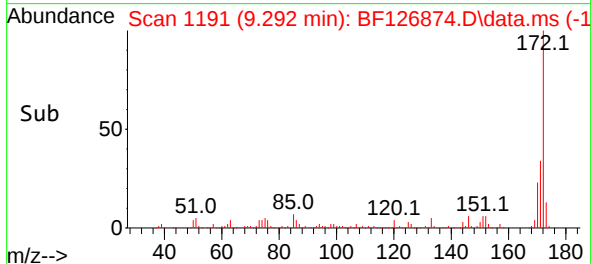
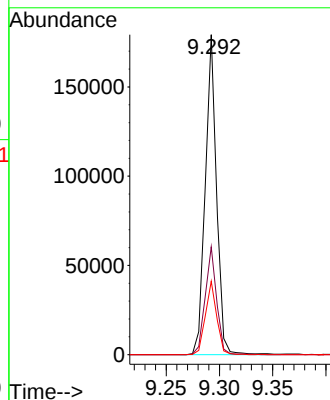
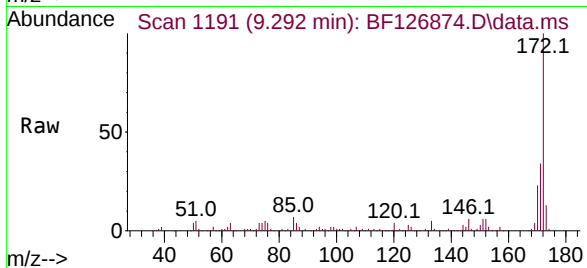
Tgt Ion:172 Resp: 132732

Ion Ratio Lower Upper

172 100

171 33.7 28.5 42.7

170 23.0 18.7 28.1



#46

1,1'-Biphenyl

Concen: 2.437 ng

RT: 9.392 min Scan# 1208

Delta R.T. -0.012 min

Lab File: BF126874.D

Acq: 14 Feb 2022 16:42

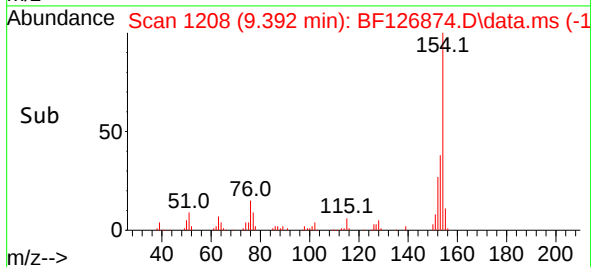
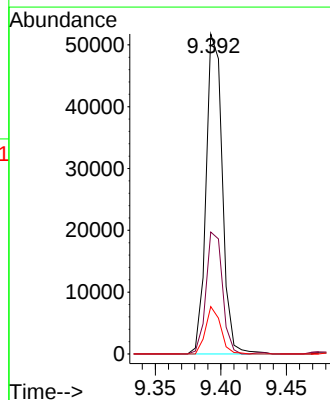
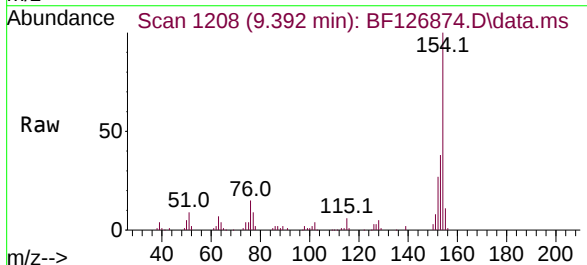
Tgt Ion:154 Resp: 44777

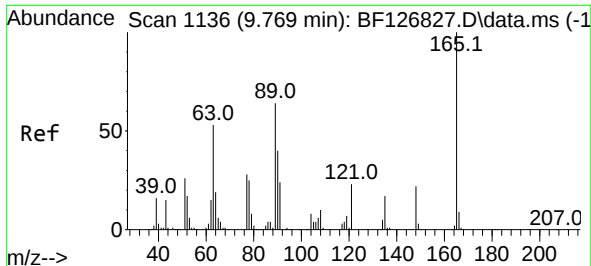
Ion Ratio Lower Upper

154 100

153 38.1 20.6 60.6

76 14.8 0.0 34.0

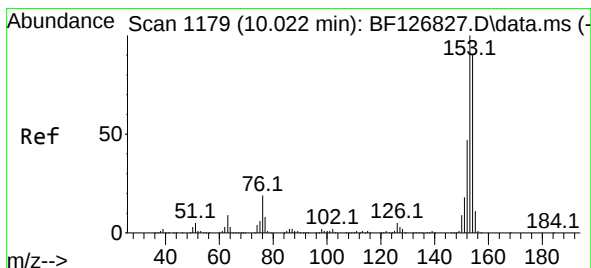
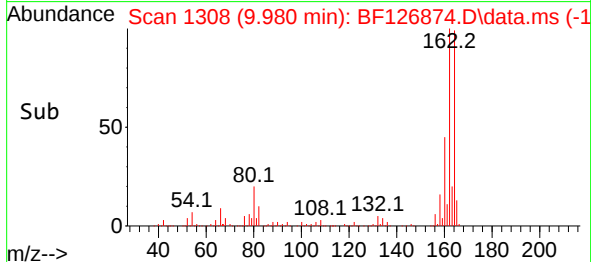
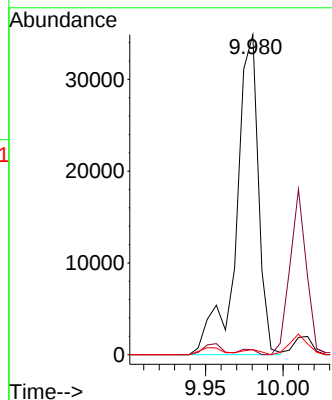
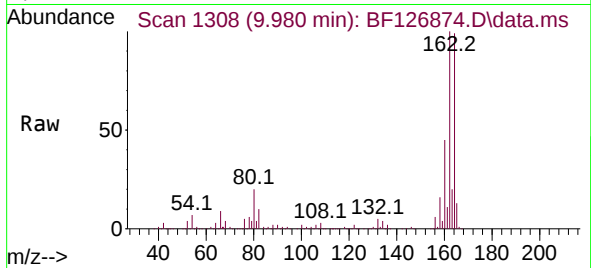




#51
2,6-Dinitrotoluene
Concen: 10.425 ng
RT: 9.980 min Scan# 1136
Delta R.T. 0.211 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

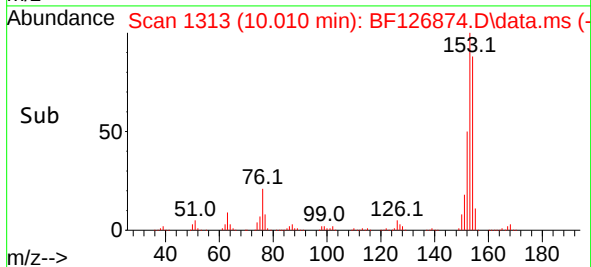
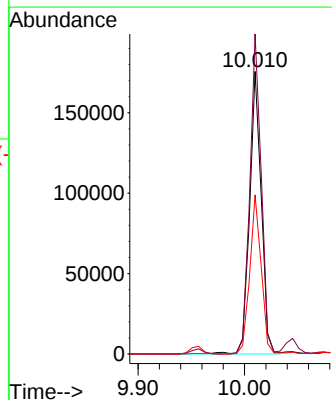
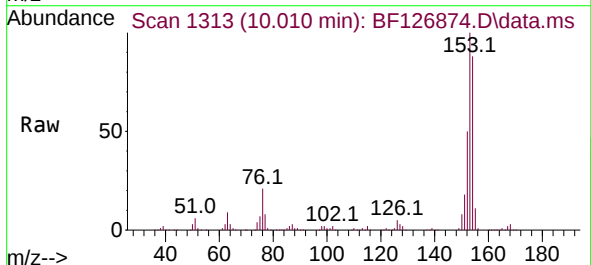
Instrument :
BNA_F
ClientSampleId :
289DL2

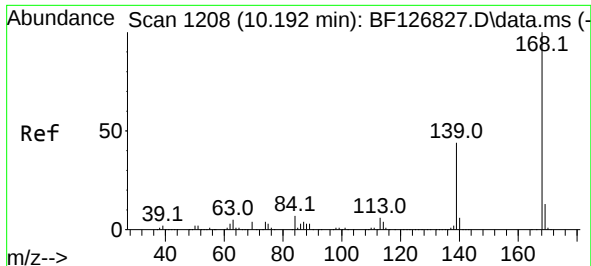
Tgt Ion:165 Resp: 34593
Ion Ratio Lower Upper
165 100
63 1.6 49.9 74.9#
89 1.6 51.0 76.4#



#52
Acenaphthene
Concen: 9.422 ng
RT: 10.010 min Scan# 1313
Delta R.T. -0.012 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

Tgt Ion:154 Resp: 133222
Ion Ratio Lower Upper
154 100
153 113.3 88.5 132.7
152 56.3 41.8 62.6

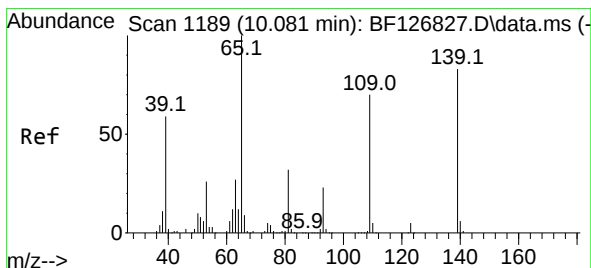
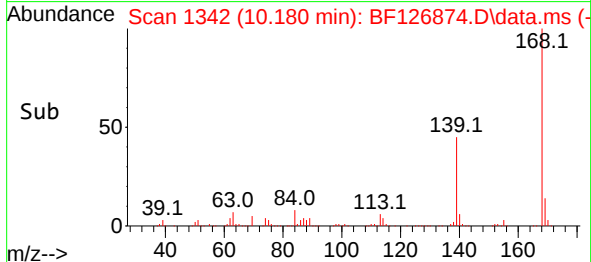
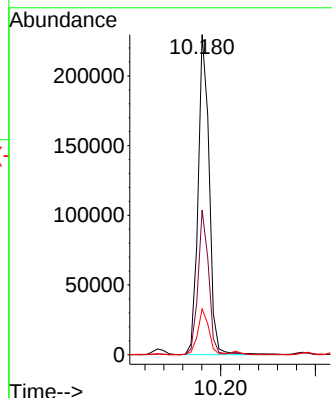
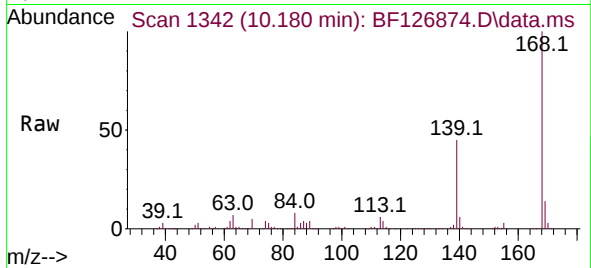




#55
Dibenzenofuran
Concen: 9.603 ng
RT: 10.180 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

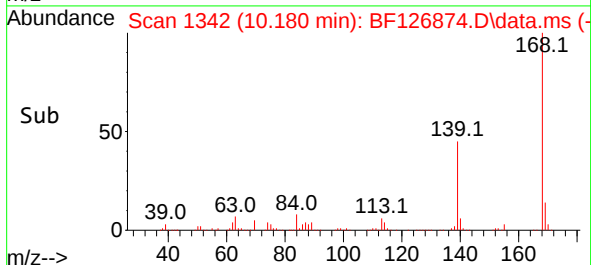
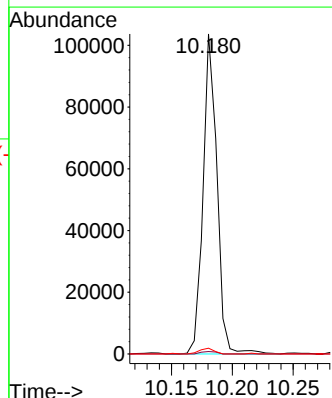
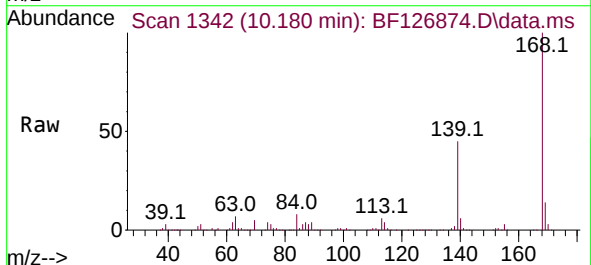
Instrument :
BNA_F
ClientSampleId :
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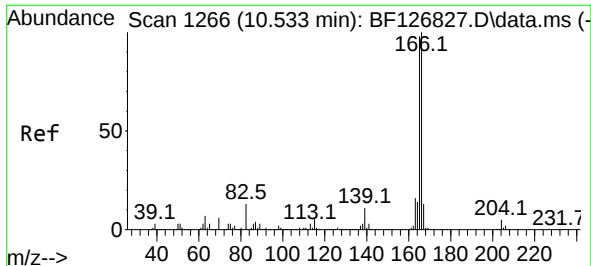
Tgt Ion:168 Resp: 186943
Ion Ratio Lower Upper
168 100
139 45.2 35.4 53.0
169 14.3 10.6 16.0



#56
4-Nitrophenol
Concen: 28.209 ng
RT: 10.180 min Scan# 1342
Delta R.T. 0.100 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

Tgt Ion:139 Resp: 82002
Ion Ratio Lower Upper
139 100
109 0.8 64.6 104.6#
65 1.8 101.0 141.0#

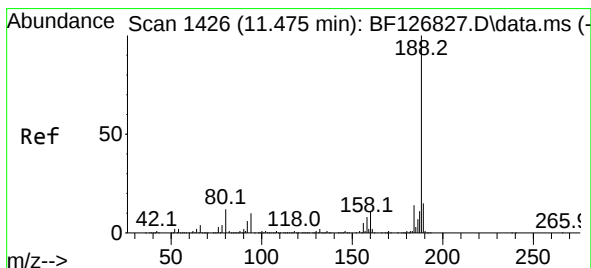
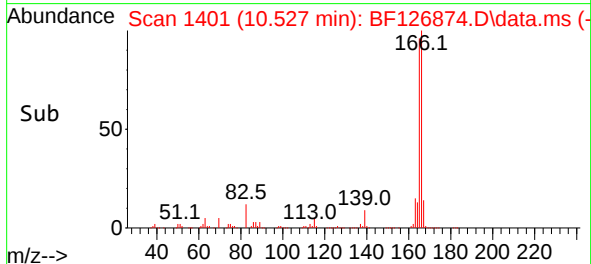
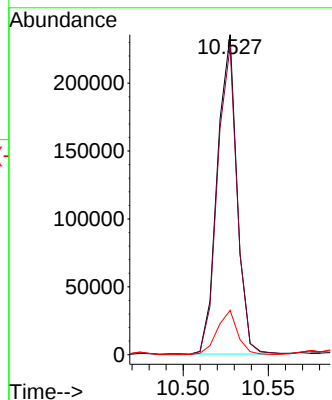
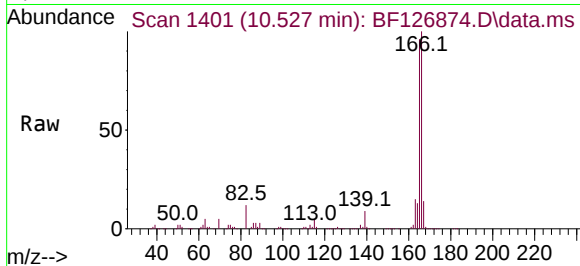




#58
Fluorene
Concen: 12.600 ng
RT: 10.527 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

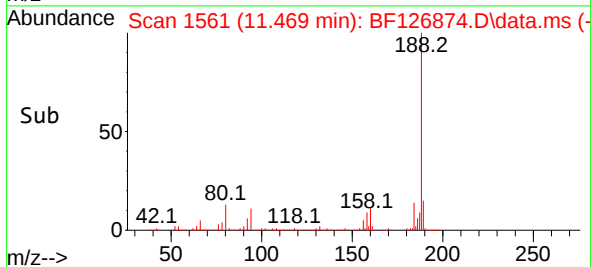
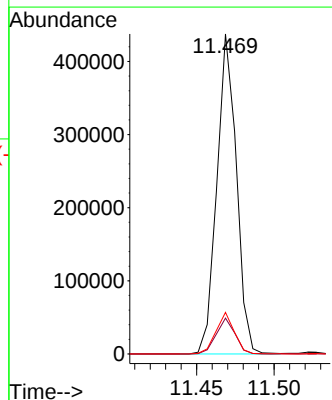
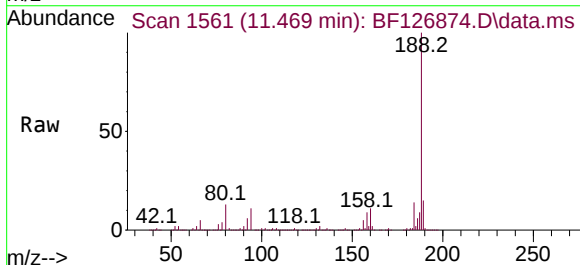
Instrument :
BNA_F
ClientSampleId :
289DL2

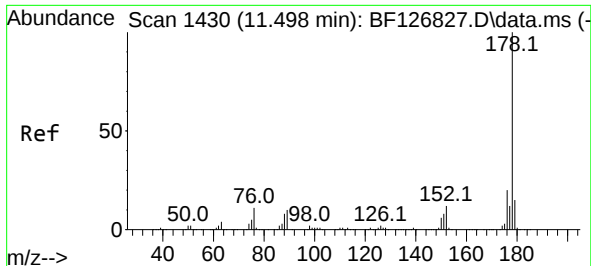
Tgt Ion:166 Resp: 188147
Ion Ratio Lower Upper
166 100
165 96.4 78.8 118.2
167 13.8 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.469 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

Tgt Ion:188 Resp: 383796
Ion Ratio Lower Upper
188 100
94 11.2 8.1 12.1
80 13.0 9.5 14.3

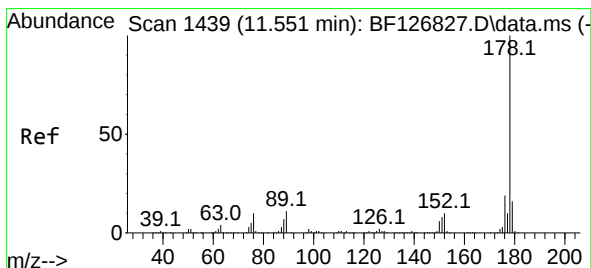
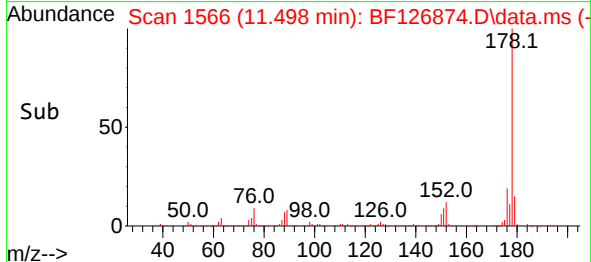
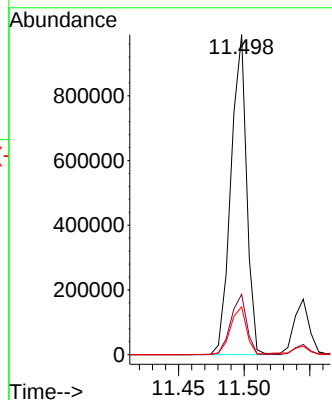
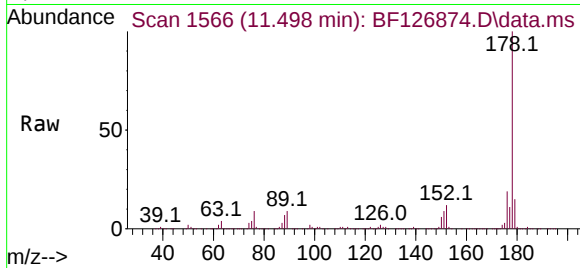




#71
Phenanthrene
Concen: 38.873 ng
RT: 11.498 min Scan# 11574
Delta R.T. -0.000 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

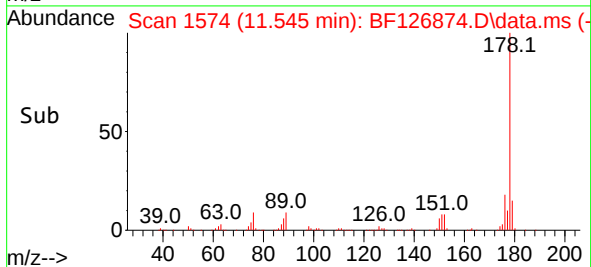
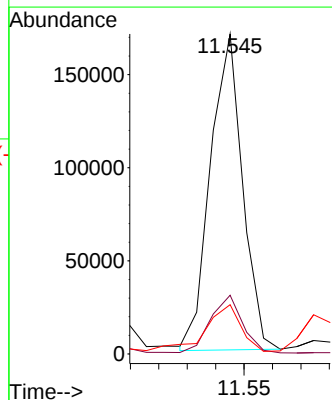
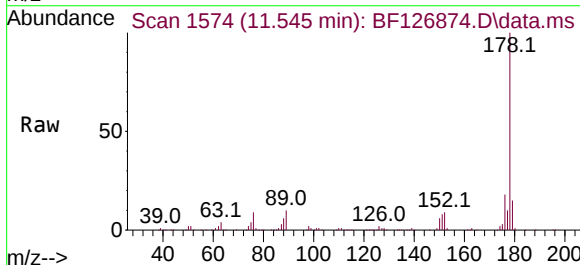
Instrument :
BNA_F
ClientSampleId :
289DL2

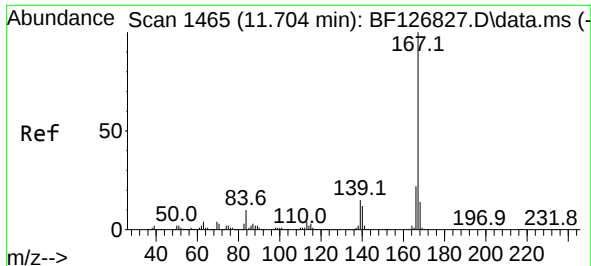
Tgt Ion:178 Resp: 826660
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 14.9 12.1 18.1



#72
Anthracene
Concen: 6.269 ng
RT: 11.545 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

Tgt Ion:178 Resp: 133208
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 15.4 12.5 18.7

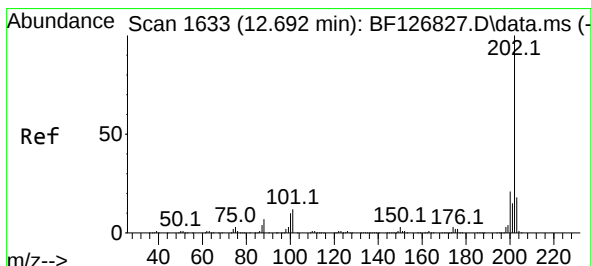
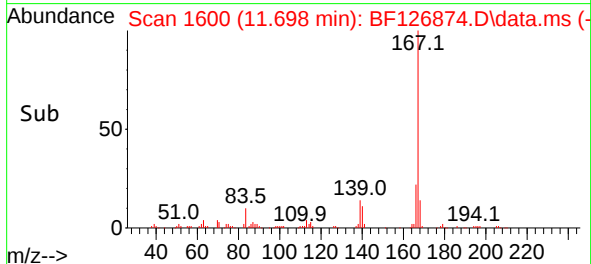
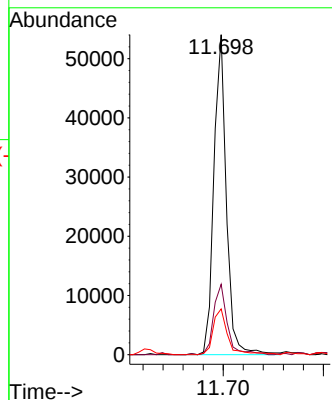
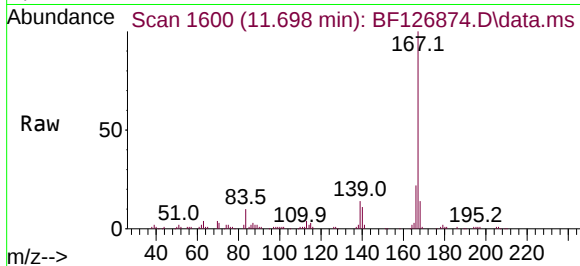




#73
 Carbazole
 Concen: 2.425 ng
 RT: 11.698 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF126874.D
 Acq: 14 Feb 2022 16:42

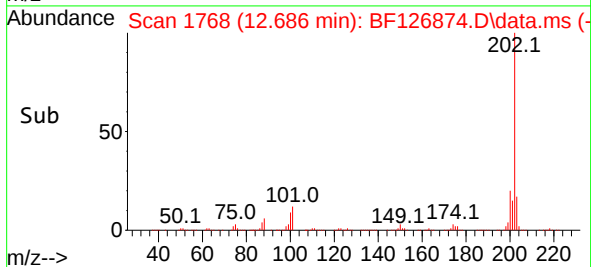
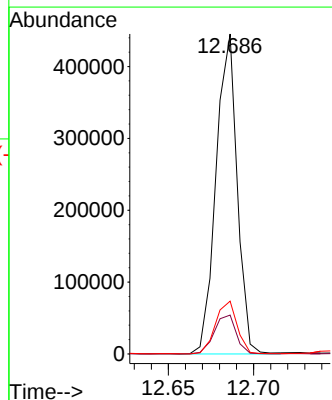
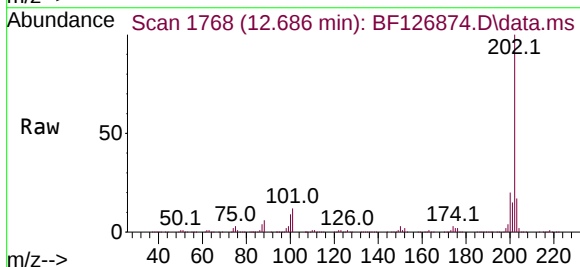
Instrument :
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 ClientSampleId :
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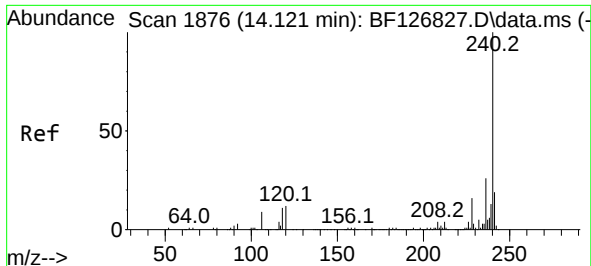
Tgt Ion:167 Resp: 46896
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.4 26.0
 139 14.3 12.2 18.4



#75
 Fluoranthene
 Concen: 19.326 ng
 RT: 12.686 min Scan# 1768
 Delta R.T. -0.006 min
 Lab File: BF126874.D
 Acq: 14 Feb 2022 16:42

Tgt Ion:202 Resp: 384431
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 32.5
 203 16.5 0.0 37.7

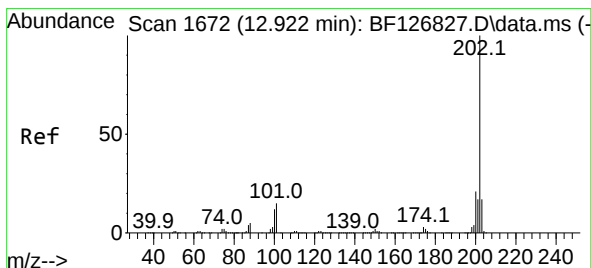
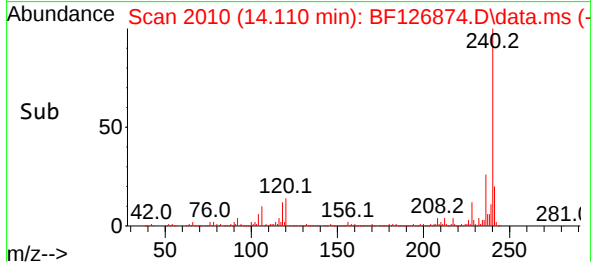
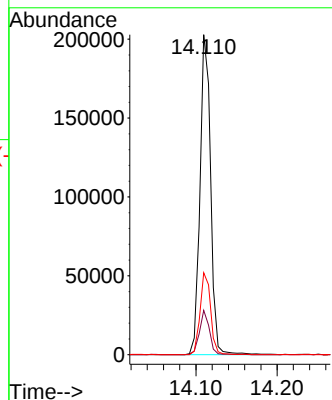
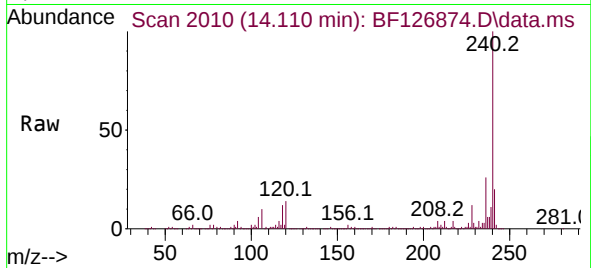




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

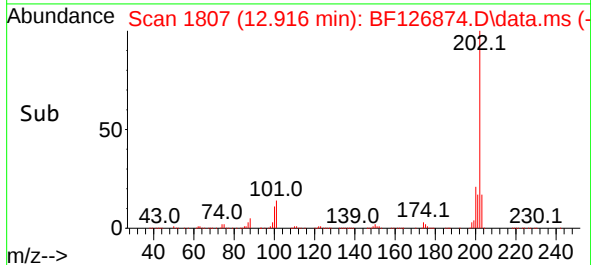
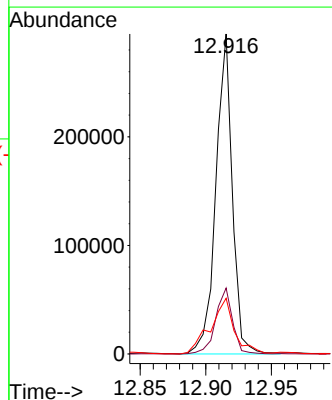
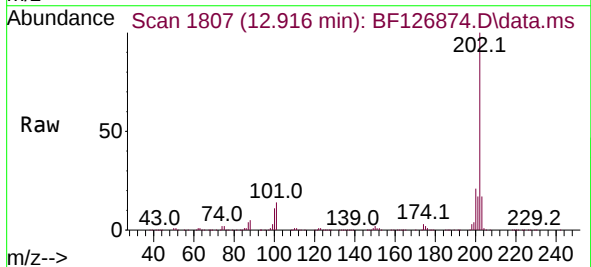
Instrument :
BNA_F
ClientSampleId :
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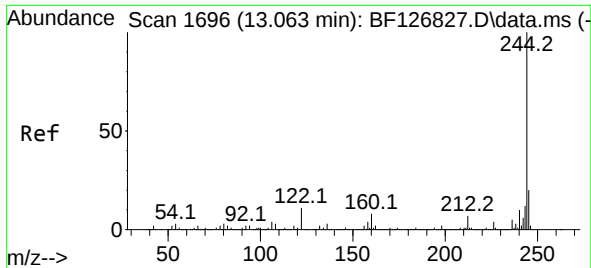
Tgt Ion:240 Resp: 184965
Ion Ratio Lower Upper
240 100
120 13.9 9.8 14.6
236 25.6 20.5 30.7



#78
Pyrene
Concen: 15.293 ng
RT: 12.916 min Scan# 1807
Delta R.T. -0.006 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

Tgt Ion:202 Resp: 256738
Ion Ratio Lower Upper
202 100
200 20.6 16.8 25.2
203 17.4 13.9 20.9

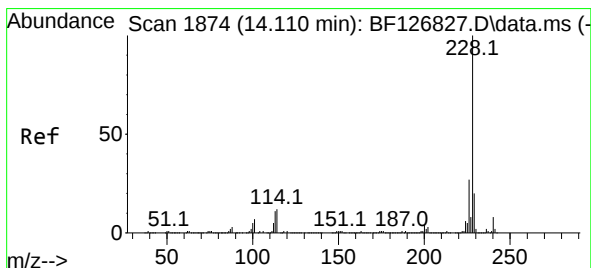
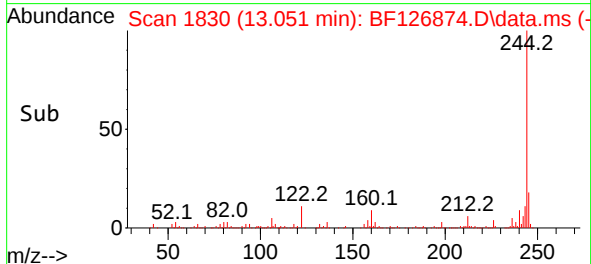
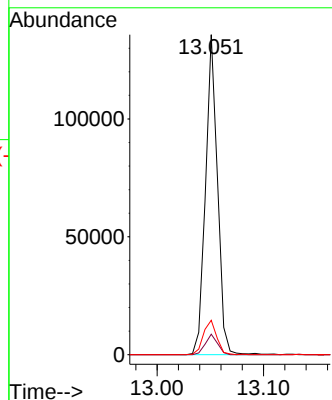
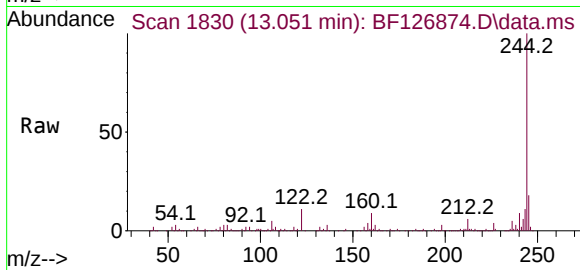




#79
 Terphenyl-d14
 Concen: 8.242 ng
 RT: 13.051 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF126874.D
 Acq: 14 Feb 2022 16:42

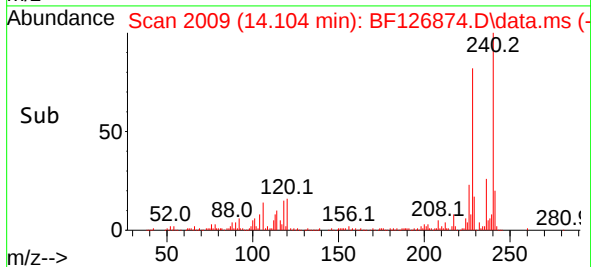
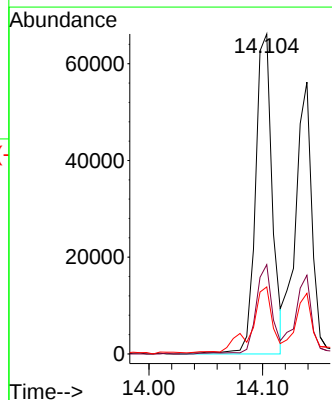
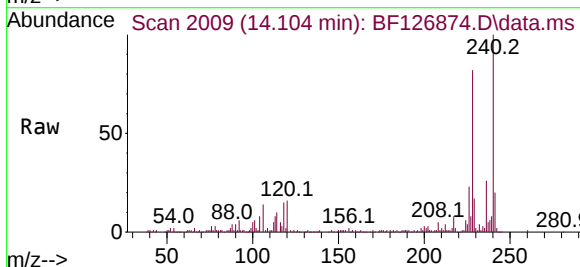
Instrument :
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 ClientSampleId :
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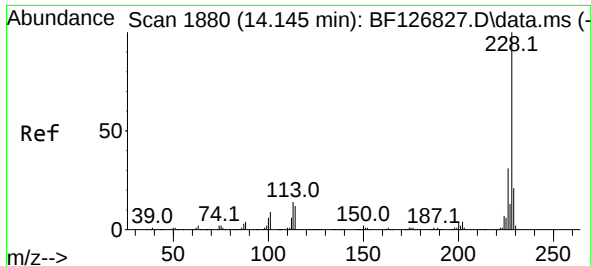
Tgt Ion:244 Resp: 106344
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.8 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 5.397 ng
 RT: 14.104 min Scan# 2009
 Delta R.T. -0.006 min
 Lab File: BF126874.D
 Acq: 14 Feb 2022 16:42

Tgt Ion:228 Resp: 67624
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.4 32.2
 229 20.9 16.0 24.0

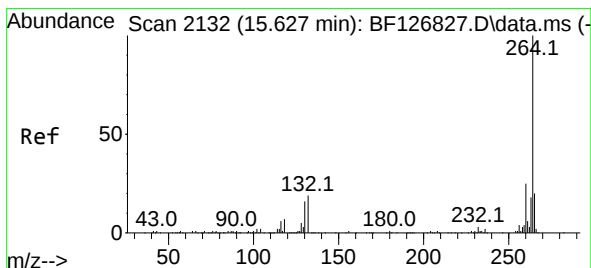
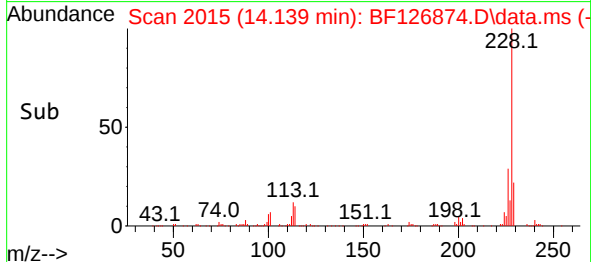
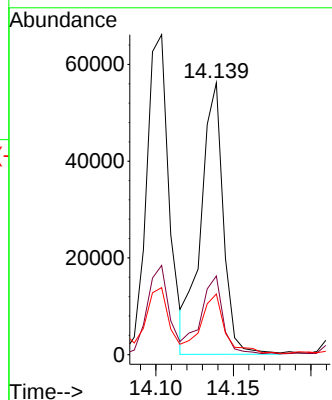
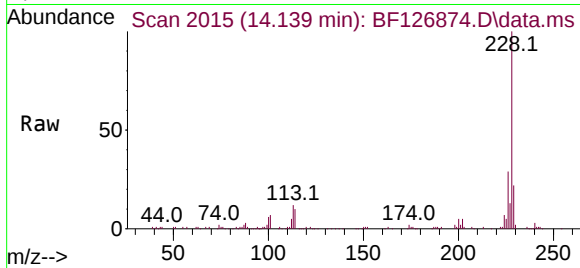




#83
Chrysene
Concen: 4.823 ng
RT: 14.139 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

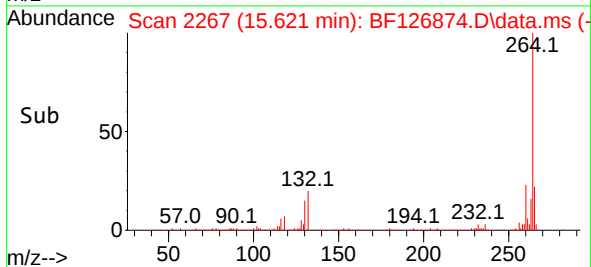
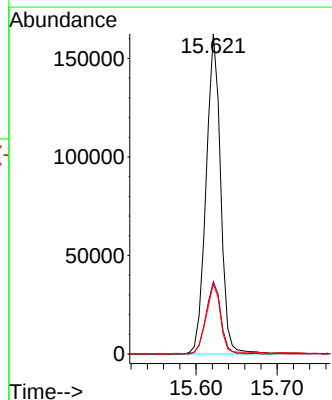
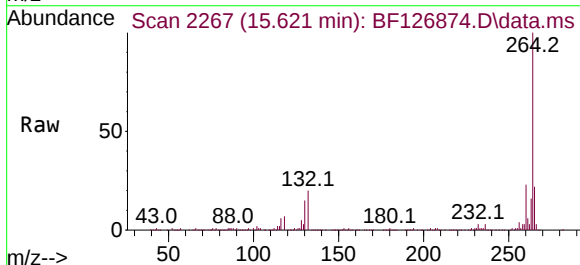
Instrument :
BNA_F
ClientSampleId :
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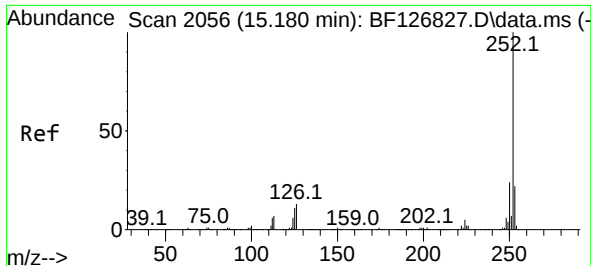
Tgt Ion:228 Resp: 56743
Ion Ratio Lower Upper
228 100
226 29.0 24.4 36.6
229 22.3 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

Tgt Ion:264 Resp: 201857
Ion Ratio Lower Upper
264 100
260 22.6 19.6 29.4
265 21.8 15.9 23.9

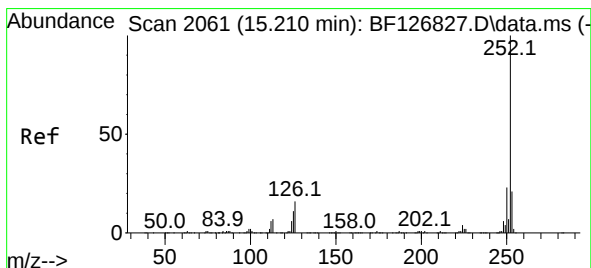
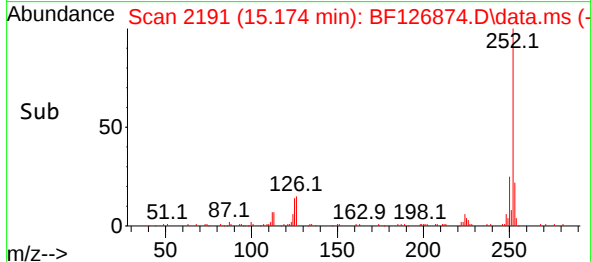
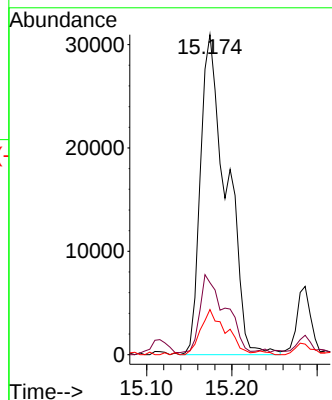
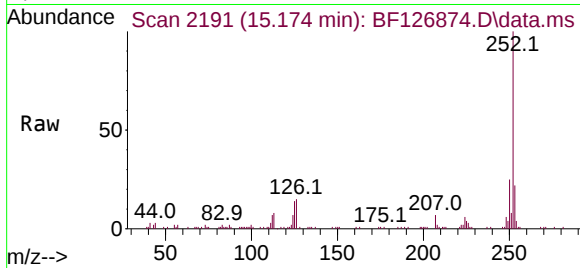




#88
Benzo(b)fluoranthene
Concen: 5.140 ng
RT: 15.174 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

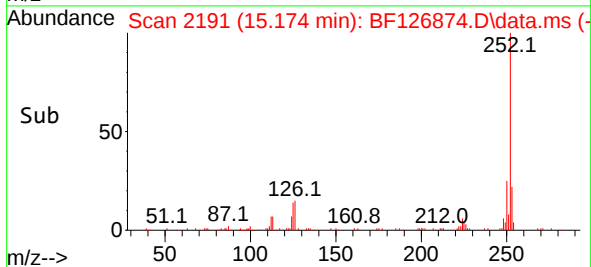
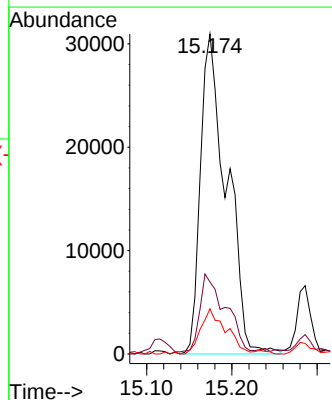
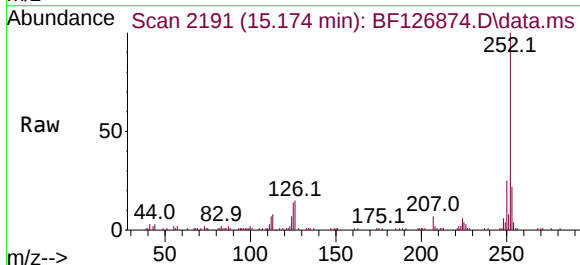
Instrument :
BNA_F
ClientSampleId :
289DL2

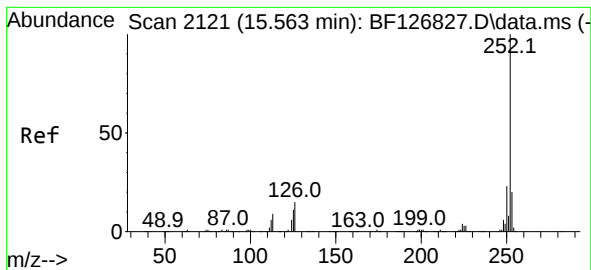
Tgt Ion:252 Resp: 66279
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 14.1 8.9 13.3#



#89
Benzo(k)fluoranthene
Concen: 4.979 ng
RT: 15.174 min Scan# 2191
Delta R.T. -0.035 min
Lab File: BF126874.D
Acq: 14 Feb 2022 16:42

Tgt Ion:252 Resp: 66279
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 14.1 8.8 13.2#





#90

Benzo(a)pyrene

Concen: 3.025 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF126874.D

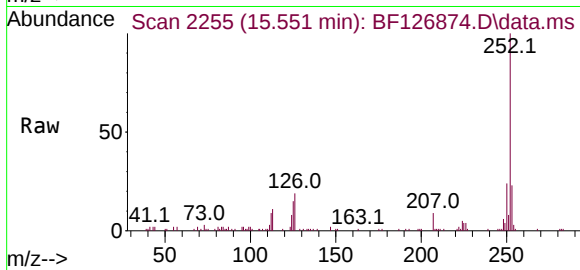
Acq: 14 Feb 2022 16:42

Instrument :

BNA_F

ClientSampleId :

289DL2



Tgt Ion:252 Resp: 31834

Ion Ratio Lower Upper

252 100

253 23.1 16.4 24.6

125 14.6 9.1 13.7#

