

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
 Data File : BF124137.D
 Acq On : 4 Jun 2021 13:43
 Operator : JU/CG
 Sample : M2583-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 39-41S

Quant Time: Jun 04 14:18:04 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 04 09:56:24 2021
 Response via : Initial Calibration

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

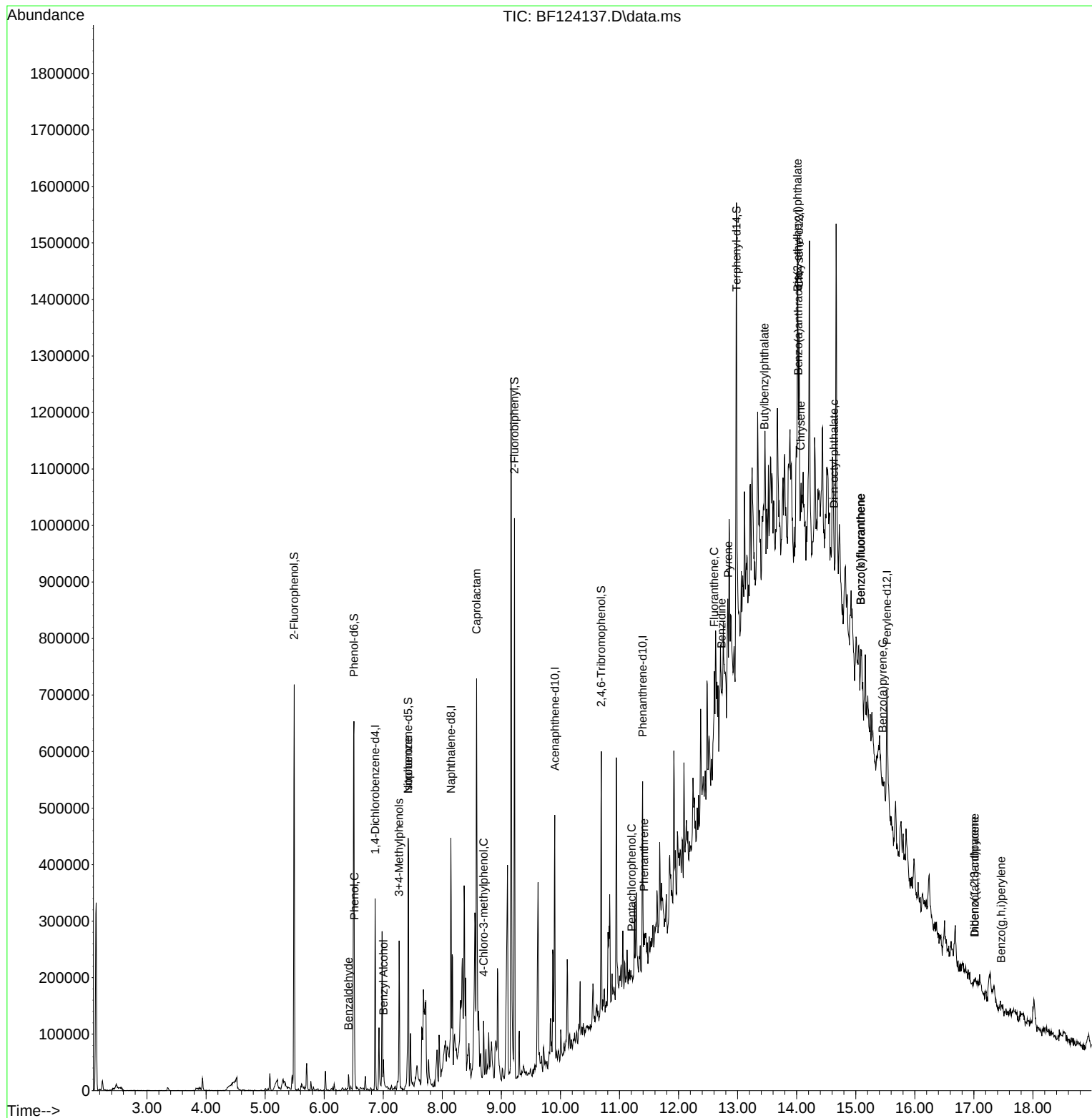
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	40591	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	149212	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	71741	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	102503	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	87712	20.000	ng	0.00
86) Perylene-d12	15.527	264	73625	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	142333	52.785	ng	0.00
7) Phenol-d6	6.504	99	182717	50.412	ng	0.00
23) Nitrobenzene-d5	7.422	82	132692	35.270	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	44783	44.061	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	218712	38.363	ng	0.00
79) Terphenyl-d14	12.980	244	177700	27.815	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	4617	2.866	ng	# 79
10) Phenol	6.510	94	20057	5.121	ng	# 78
15) Benzyl Alcohol	7.004	79	9686	2.964	ng	# 83
20) 3+4-Methylphenols	7.269	107	49489	15.313	ng	# 65
25) Isophorone	7.422	82	132692	19.573	ng	# 69
35) Caprolactam	8.581	113	1656	2.191	ng	# 1
36) 4-Chloro-3-methylphenol	8.698	107	15325	5.092	ng	99
70) Pentachlorophenol	11.204	266	883	5.655	ng	# 66
71) Phenanthrene	11.416	178	19449	3.037	ng	# 91
75) Fluoranthene	12.604	202	53451	7.953	ng	96
77) Benzidine	12.727	184	694	4.371	ng	# 1
78) Pyrene	12.839	202	50907	6.044	ng	97
80) Butylbenzylphthalate	13.457	149	7575	2.217	ng	89
81) Benzo(a)anthracene	14.027	228	31972	5.004	ng	92
83) Chrysene	14.068	228	24024	3.897	ng	95
84) Bis(2-ethylhexyl)phtha...	14.015	149	127492	31.369	ng	97
85) Di-n-octyl phthalate	14.633	149	22564	4.160	ng	# 66
87) Indeno(1,2,3-cd)pyrene	17.009	276	6811	5.346	ng	# 88
88) Benzo(b)fluoranthene	15.086	252	40142	7.019	ng	# 70
89) Benzo(k)fluoranthene	15.086	252	40142	7.414	ng	# 69
90) Benzo(a)pyrene	15.457	252	12913	2.599	ng	# 40
91) Dibenzo(a,h)anthracene	17.015	278	1414	4.422	ng	# 1
92) Benzo(g,h,i)perylene	17.462	276	5134	4.723	ng	# 86

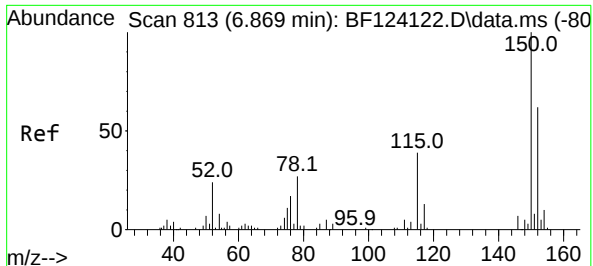
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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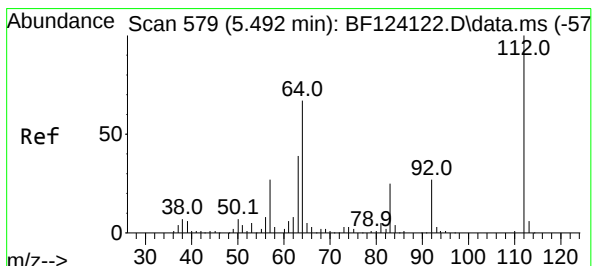
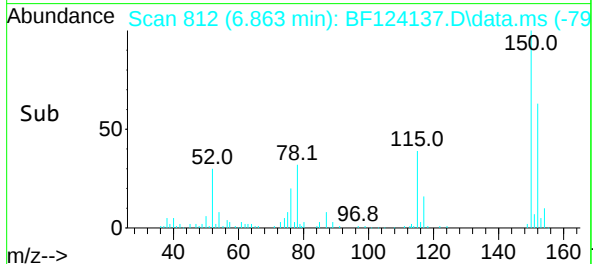
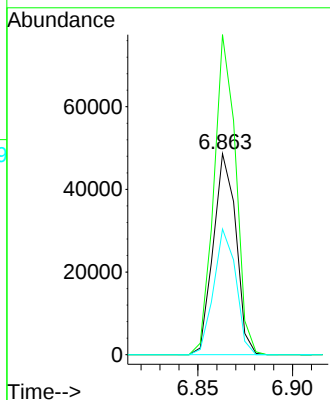
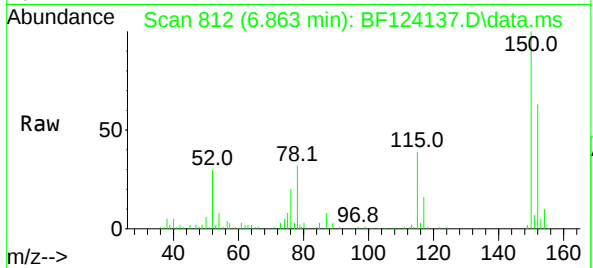




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

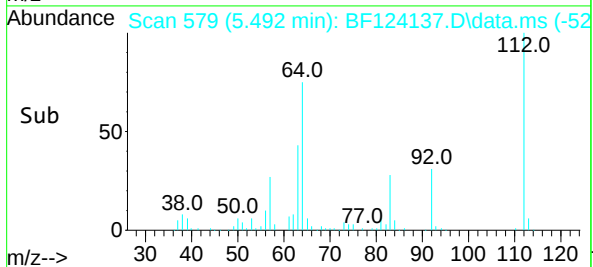
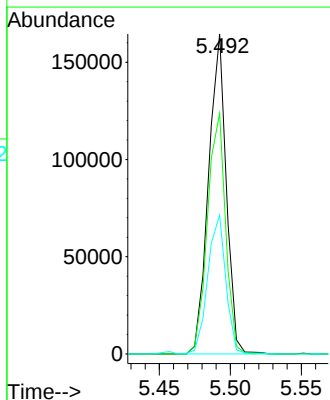
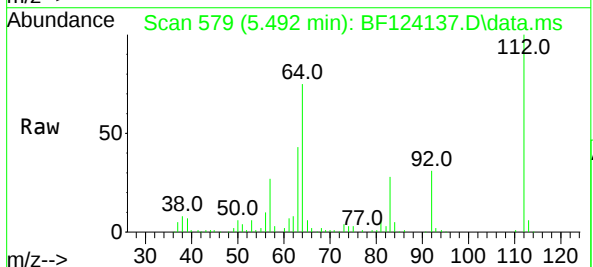
Instrument :
BNA_F
ClientSampleId :
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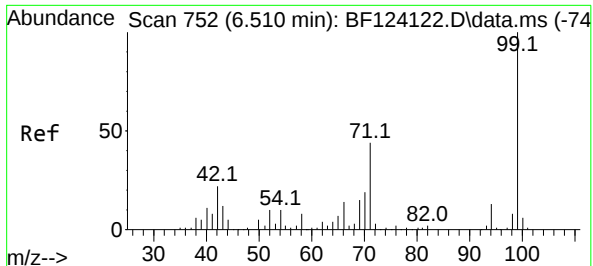
Tgt Ion:152 Resp: 40591
Ion Ratio Lower Upper
152 100
150 159.2 127.0 190.6
115 62.5 54.3 81.5



#5
2-Fluorophenol
Concen: 52.785 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

Tgt Ion:112 Resp: 142333
Ion Ratio Lower Upper
112 100
64 75.2 61.4 92.0
63 43.4 33.0 49.4

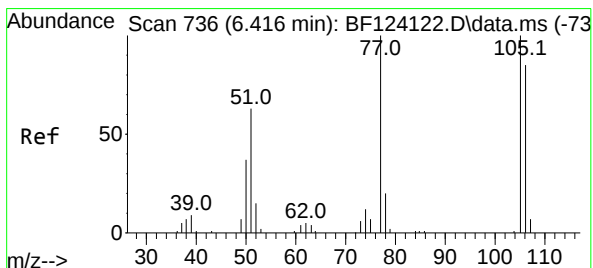
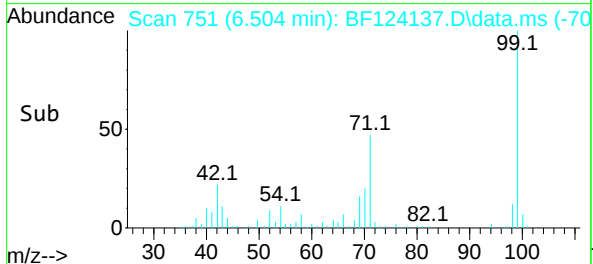
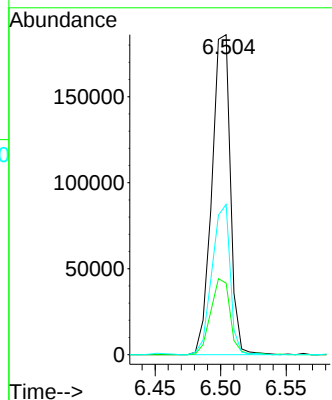
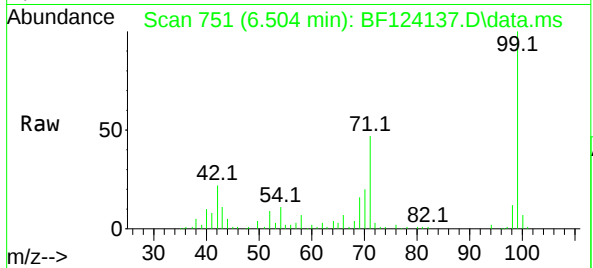




#7
Phenol-d6
Concen: 50.412 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

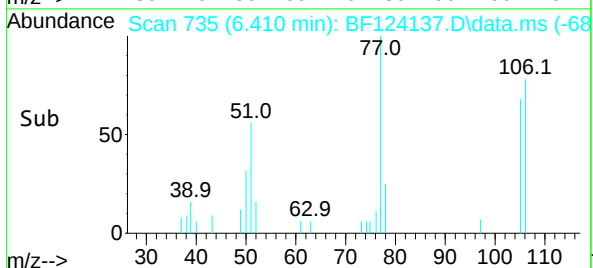
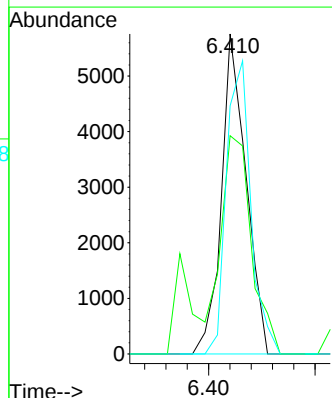
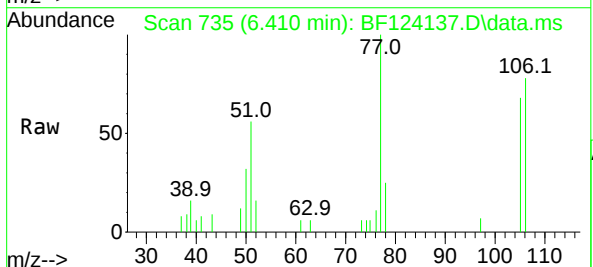
Instrument :
BNA_F
ClientSampleId :
39-41S

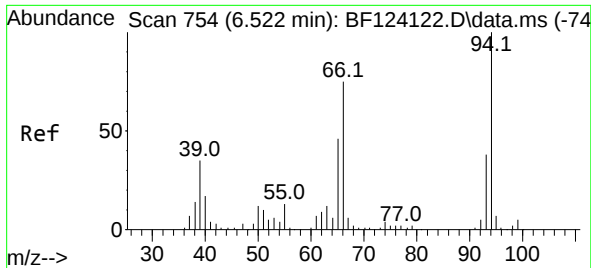
Tgt Ion: 99 Resp: 182717
Ion Ratio Lower Upper
99 100
42 22.4 19.8 29.8
71 46.9 31.1 46.7#



#9
Benzaldehyde
Concen: 2.866 ng
RT: 6.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

Tgt Ion: 77 Resp: 4617
Ion Ratio Lower Upper
77 100
105 68.2 75.2 115.2#
106 77.6 71.6 111.6

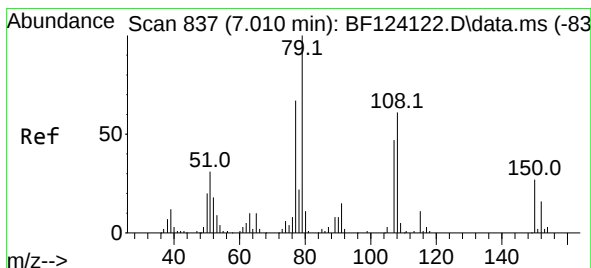
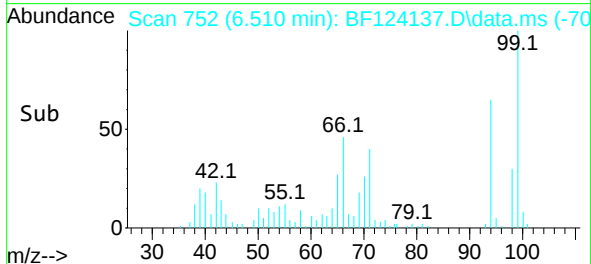
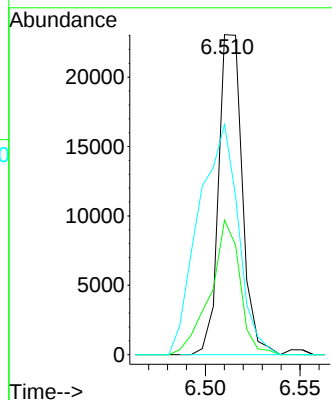
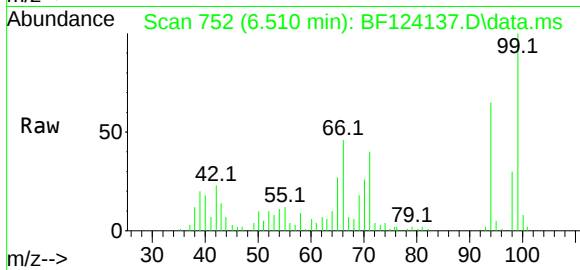




#10
Phenol
Concen: 5.121 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

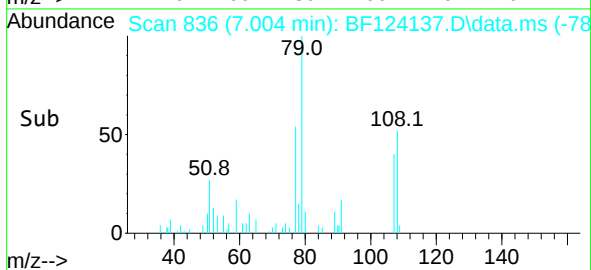
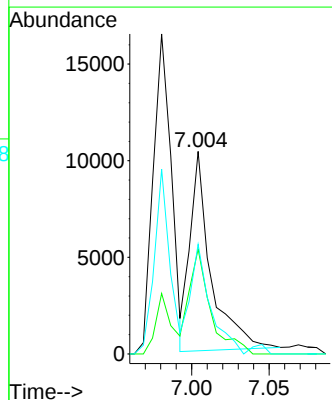
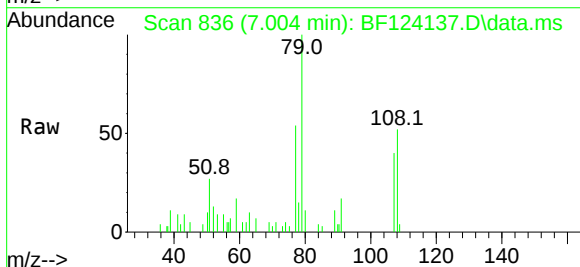
Instrument :
BNA_F
ClientSampleID :
39-41S

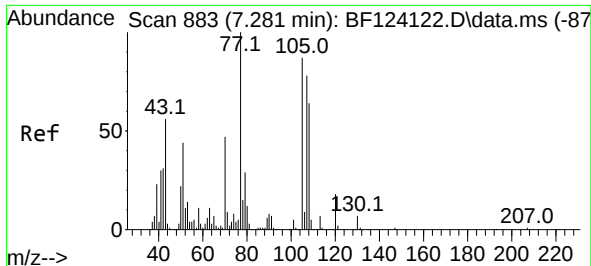
Tgt Ion: 94 Resp: 20057
Ion Ratio Lower Upper
94 100
65 42.0 18.1 58.1
66 72.0 29.0 69.0#



#15
Benzyl Alcohol
Concen: 2.964 ng
RT: 7.004 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

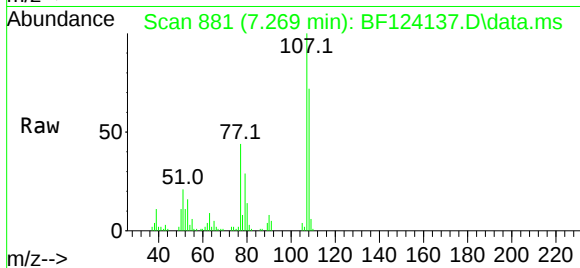
Tgt Ion: 79 Resp: 9686
Ion Ratio Lower Upper
79 100
108 51.8 55.8 83.8#
77 54.1 49.9 74.9



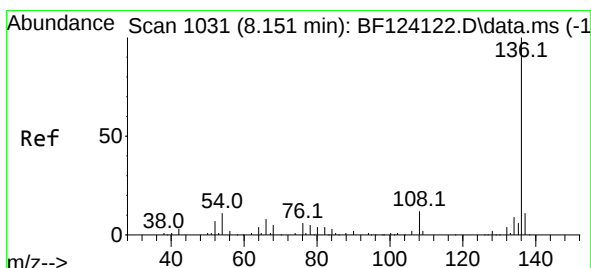
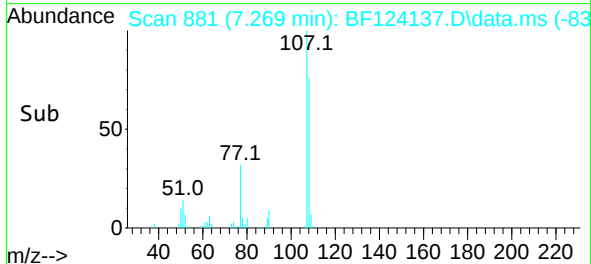
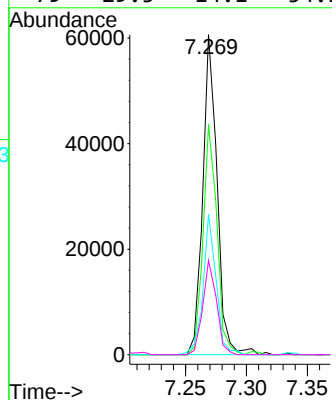


#20
3+4-Methylphenols
Concen: 15.313 ng
RT: 7.269 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

Instrument :
BNA_F
ClientSampled :
39-41S

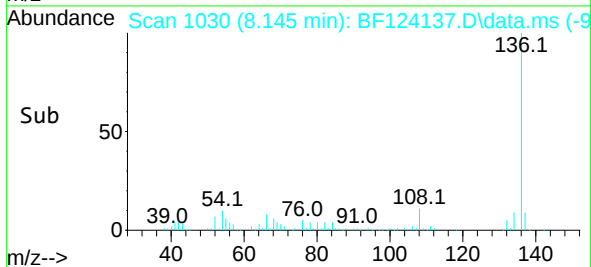
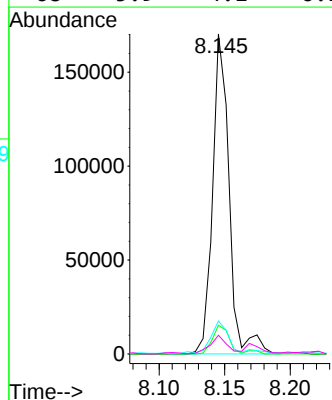
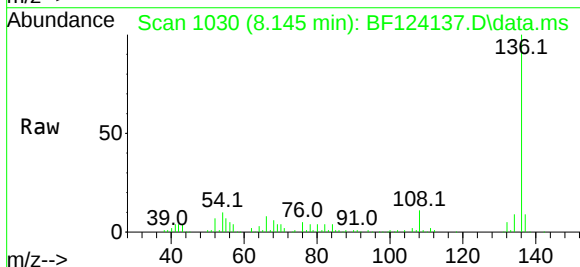


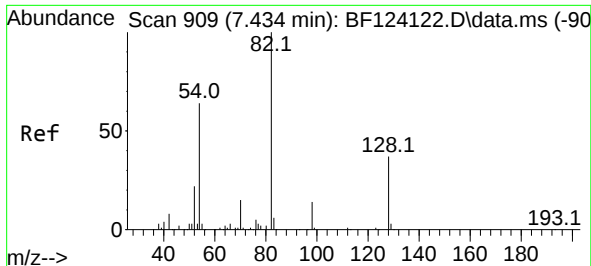
Tgt Ion:107 Resp: 49489
Ion Ratio Lower Upper
107 100
108 71.9 71.5 111.5
77 44.0 82.0 122.0#
79 29.5 14.1 54.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

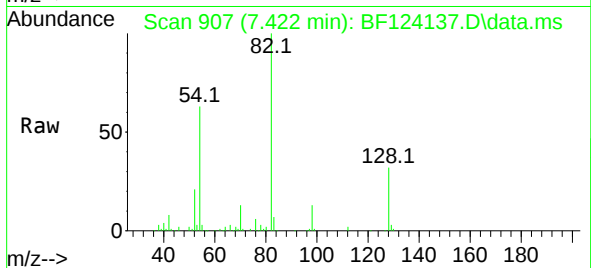
Tgt Ion:136 Resp: 149212
Ion Ratio Lower Upper
136 100
137 8.9 8.7 13.1
54 10.3 9.8 14.6
68 5.9 4.1 6.1



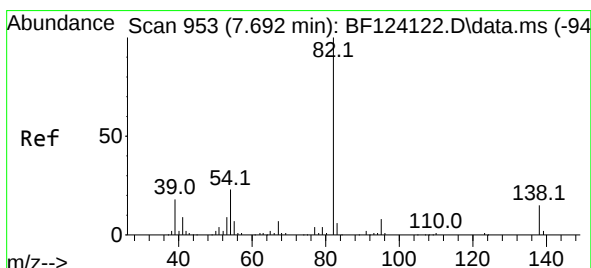
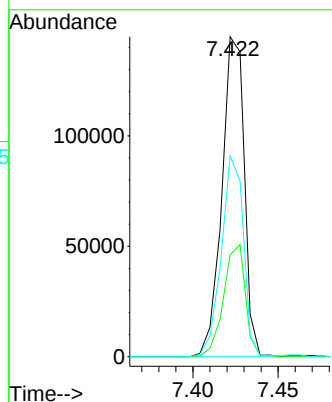
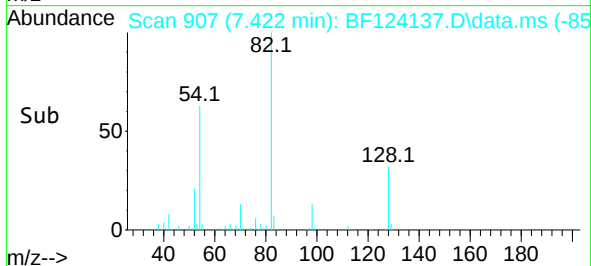


#23
Nitrobenzene-d5
Concen: 35.270 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

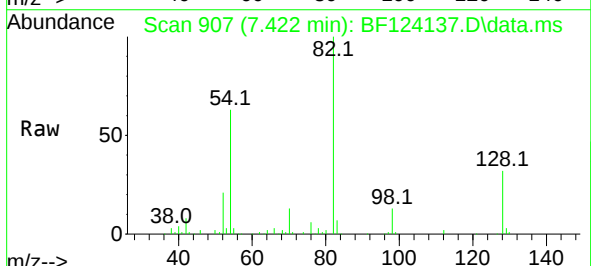
Instrument :
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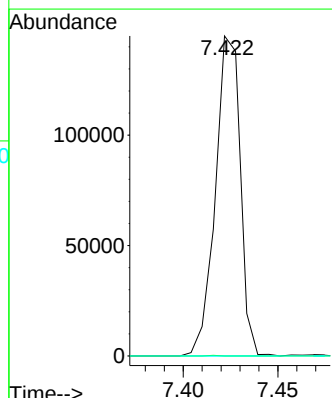
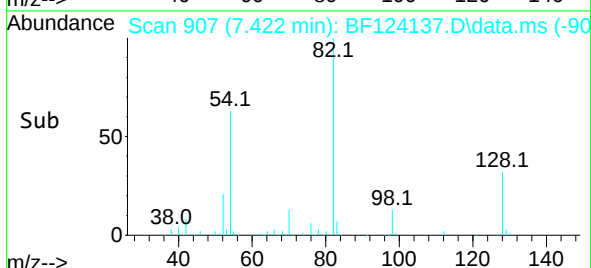
Tgt Ion: 82 Resp: 132692
Ion Ratio Lower Upper
82 100
128 31.8 29.4 44.2
54 62.8 54.1 81.1

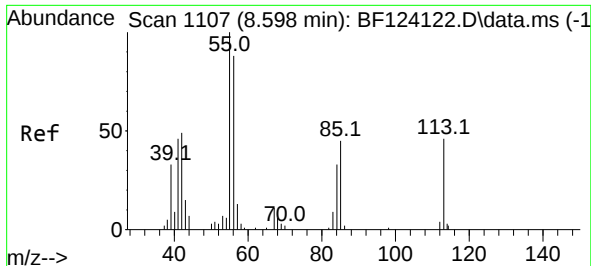


#25
Isophorone
Concen: 19.573 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.271 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43



Tgt Ion: 82 Resp: 132692
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#

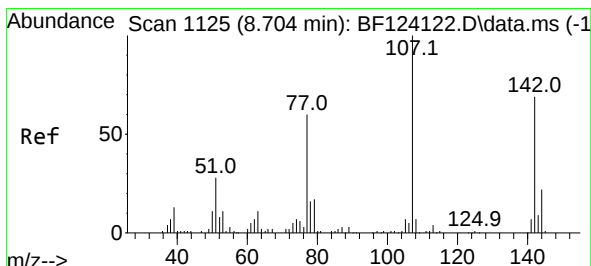
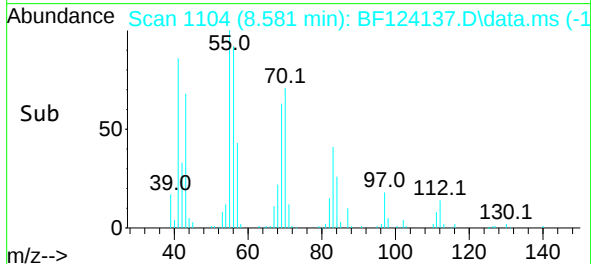
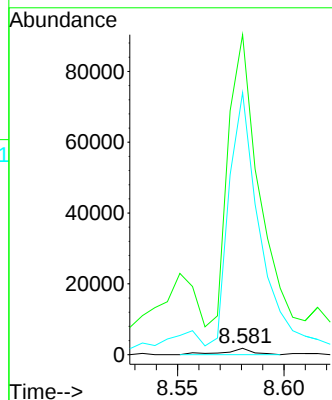
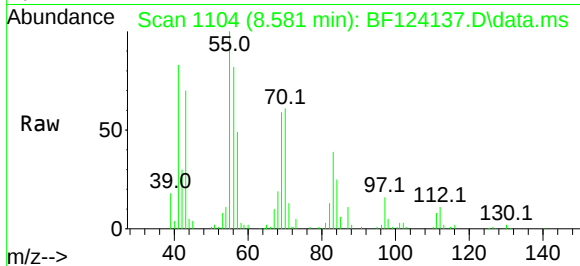




#35
 Caprolactam
 Concen: 2.191 ng
 RT: 8.581 min Scan# 1104
 Delta R.T. -0.017 min
 Lab File: BF124137.D
 Acq: 4 Jun 2021 13:43

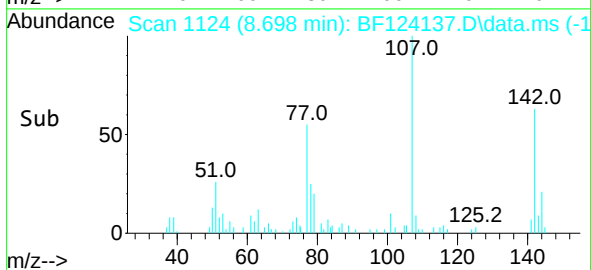
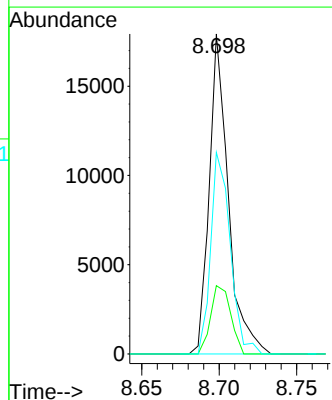
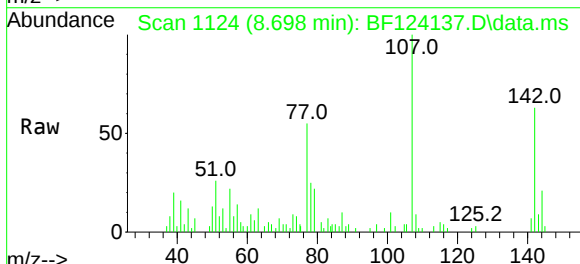
Instrument :
 BNA_F
 ClientSampled :
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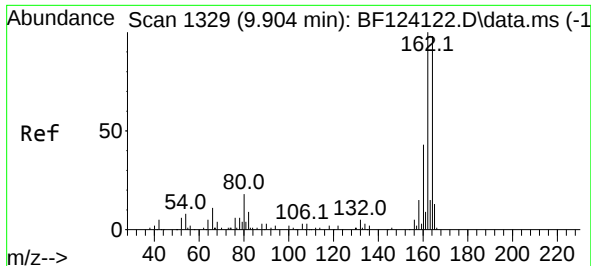
Tgt Ion:113 Resp: 1656
 Ion Ratio Lower Upper
 113 100
 55 5051.3 254.9 294.9#
 56 4138.2 179.4 219.4#



#36
 4-Chloro-3-methylphenol
 Concen: 5.092 ng
 RT: 8.698 min Scan# 1124
 Delta R.T. -0.006 min
 Lab File: BF124137.D
 Acq: 4 Jun 2021 13:43

Tgt Ion:107 Resp: 15325
 Ion Ratio Lower Upper
 107 100
 144 21.4 16.3 24.5
 142 63.0 50.1 75.1

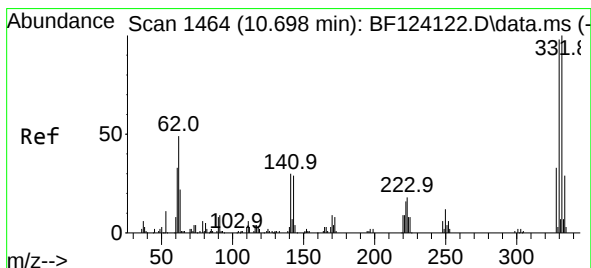
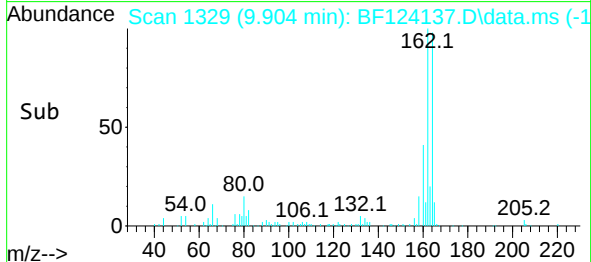
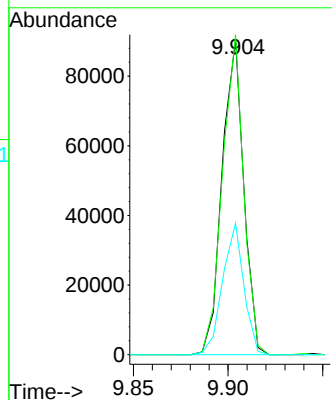
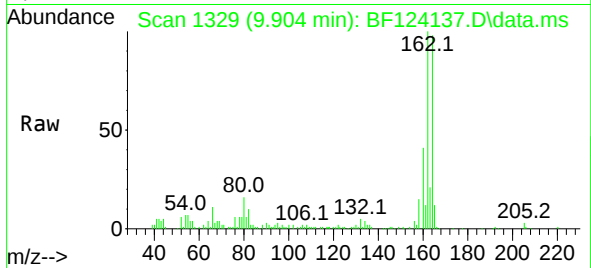




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

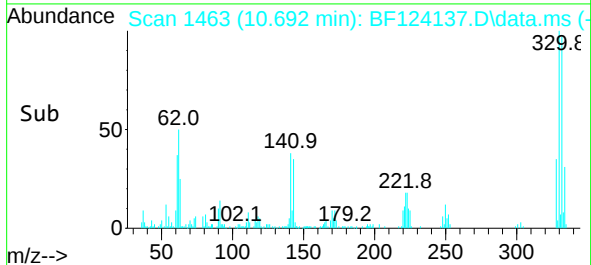
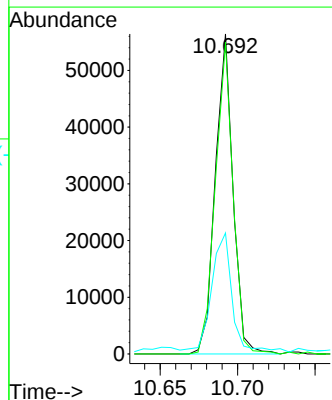
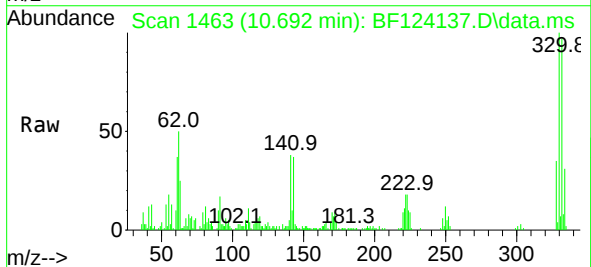
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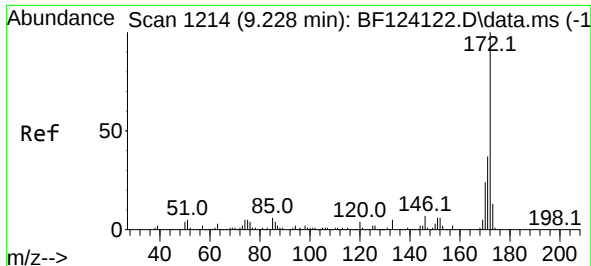
Tgt Ion:164 Resp: 71741
Ion Ratio Lower Upper
164 100
162 101.6 80.7 121.1
160 41.8 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 44.061 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

Tgt Ion:330 Resp: 44783
Ion Ratio Lower Upper
330 100
332 97.4 77.1 115.7
141 42.7 27.9 41.9#

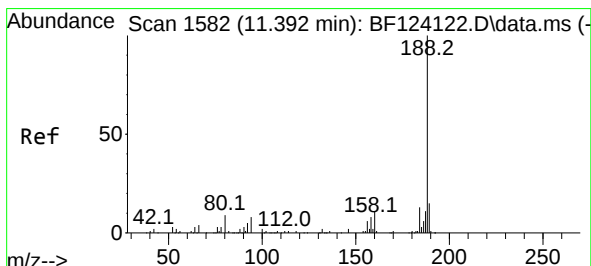
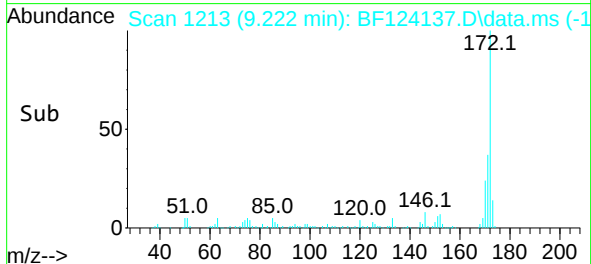
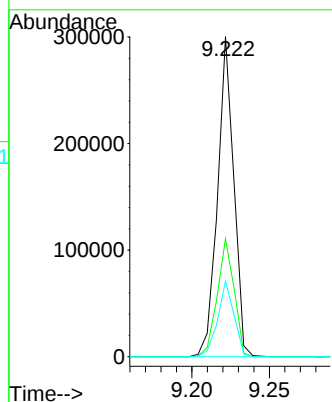
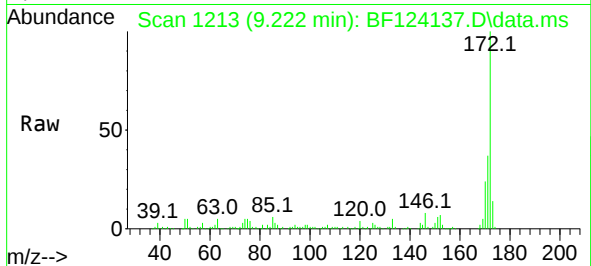




#45
2-Fluorobiphenyl
Concen: 38.363 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

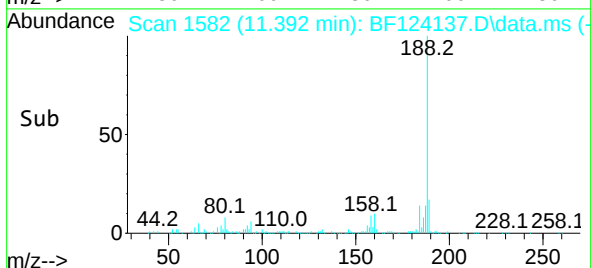
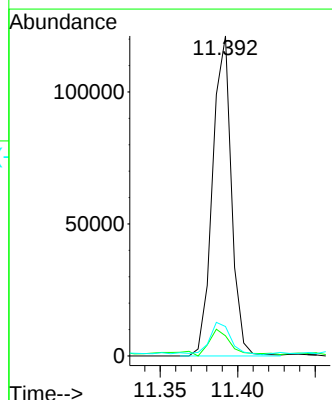
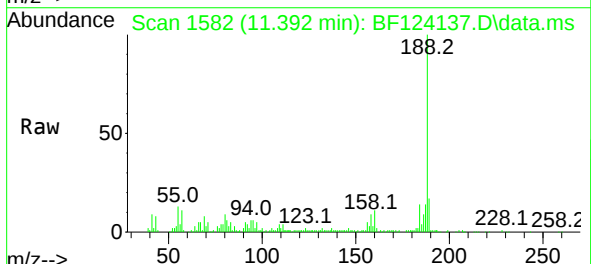
Instrument :
BNA_F
ClientSampleId :
39-41S

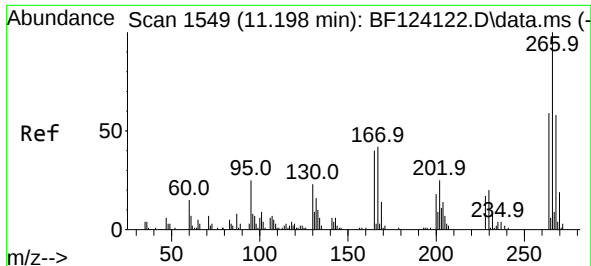
Tgt Ion:172 Resp: 218712
Ion Ratio Lower Upper
172 100
171 36.9 28.1 42.1
170 23.7 19.2 28.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

Tgt Ion:188 Resp: 102503
Ion Ratio Lower Upper
188 100
94 6.3 6.9 10.3#
80 9.2 8.2 12.2

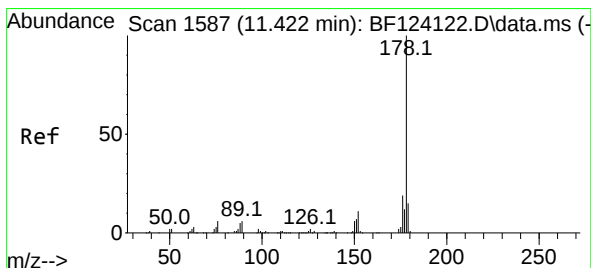
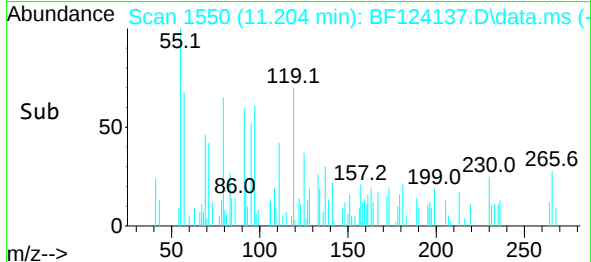
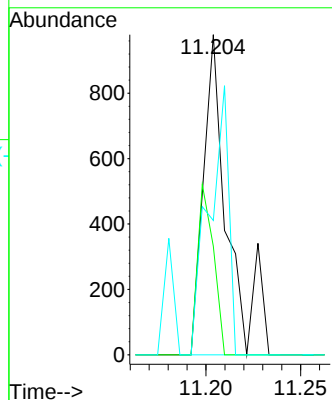
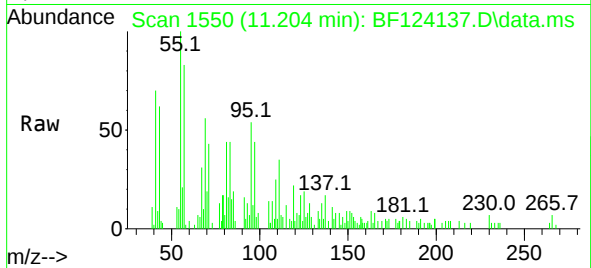




#70
Pentachlorophenol
Concen: 5.655 ng
RT: 11.204 min Scan# 1550
Delta R.T. 0.006 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

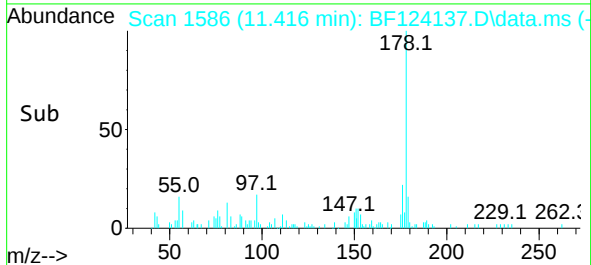
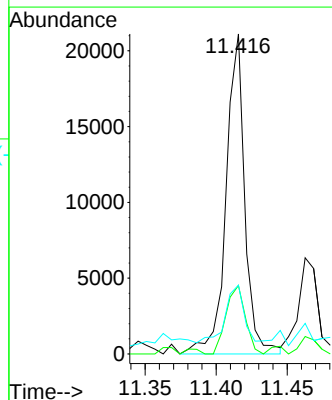
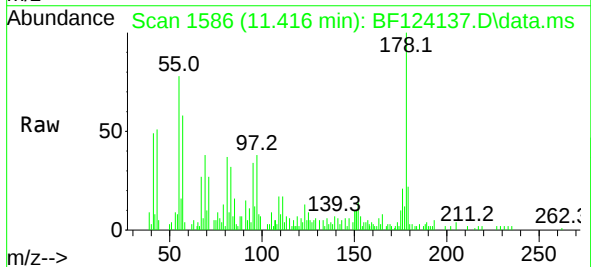
Instrument :
BNA_F
ClientSampled :
39-41S

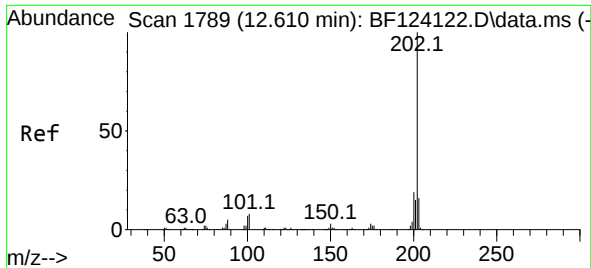
Tgt Ion:266 Resp: 883
Ion Ratio Lower Upper
266 100
268 33.9 51.6 77.4#
264 42.0 52.6 78.8#



#71
Phenanthrene
Concen: 3.037 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

Tgt Ion:178 Resp: 19449
Ion Ratio Lower Upper
178 100
176 21.4 15.6 23.4
179 21.5 12.5 18.7#

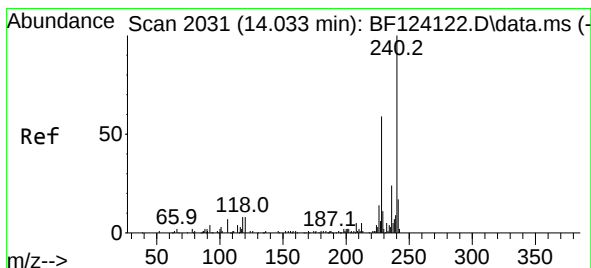
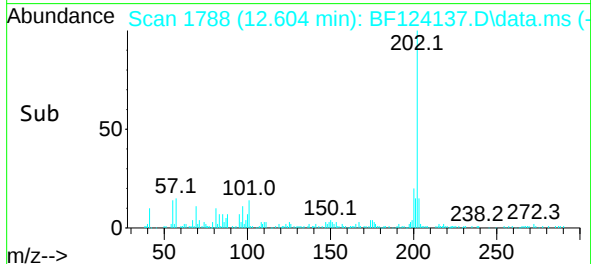
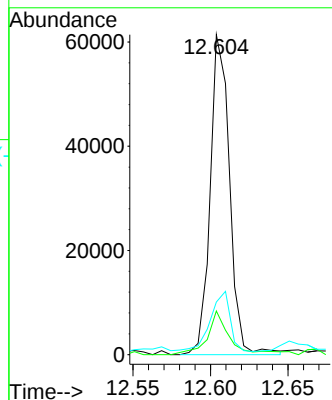
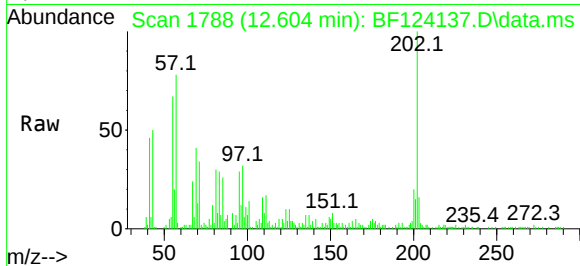




#75
Fluoranthene
Concen: 7.953 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

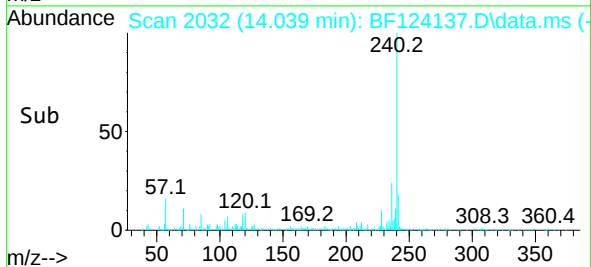
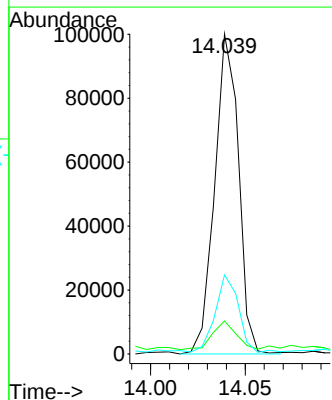
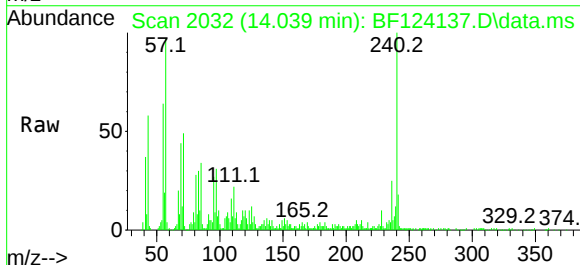
Instrument :
BNA_F
ClientSampleId :
39-41S

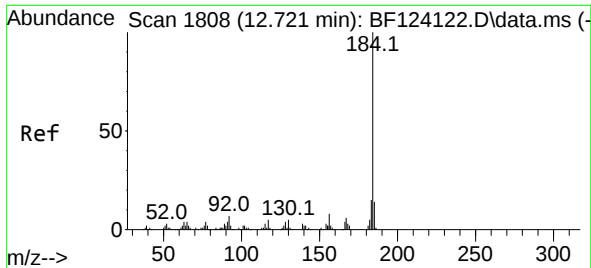
Tgt Ion:	202	Resp:	53451
Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	30.9
203	16.4	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

Tgt Ion:	240	Resp:	87712
Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.2	10.8
236	24.7	19.0	28.4

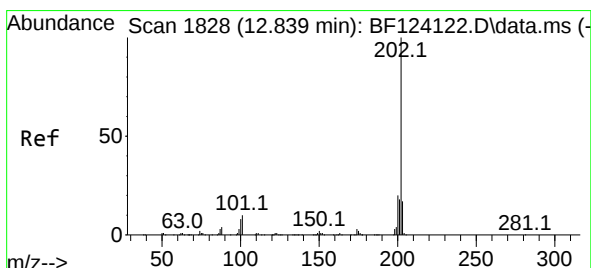
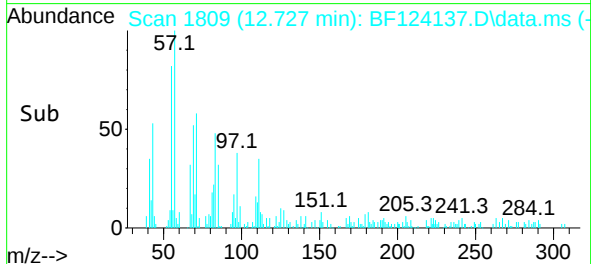
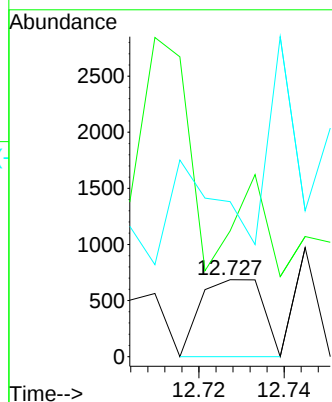
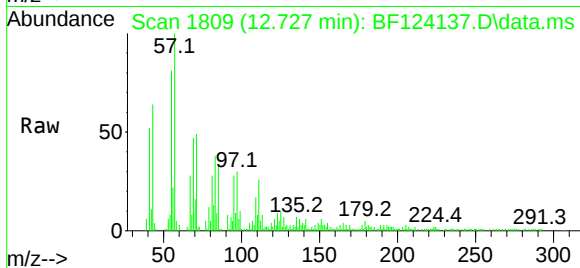




#77
Benzidine
Concen: 4.371 ng
RT: 12.727 min Scan# 1809
Delta R.T. 0.006 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

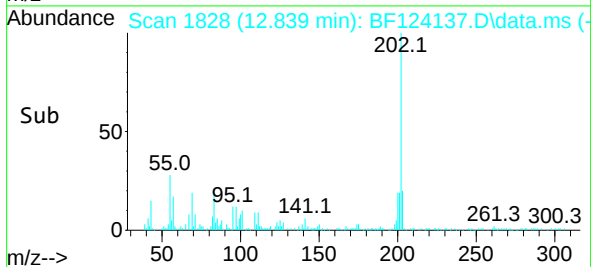
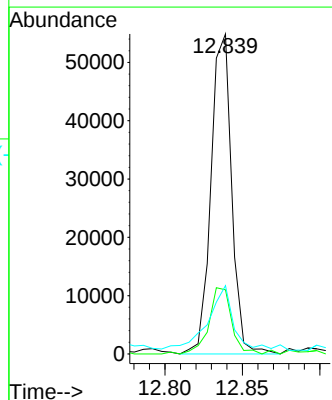
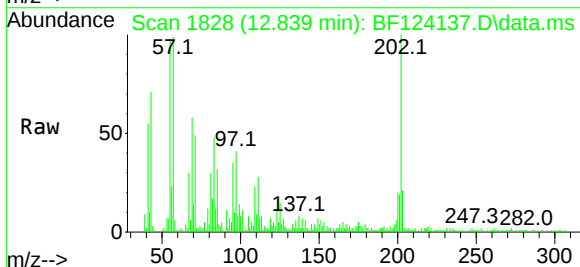
Instrument :
BNA_F
ClientSampleId :
39-41S

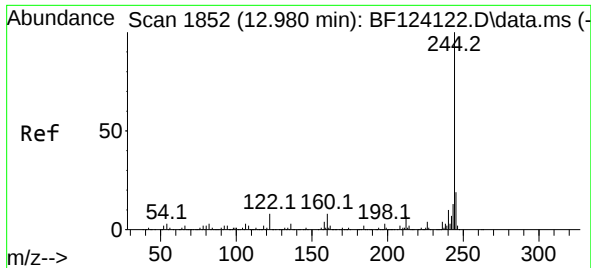
Tgt Ion:184 Resp: 694
Ion Ratio Lower Upper
184 100
185 163.3 12.1 18.1#
183 201.3 7.8 11.8#



#78
Pyrene
Concen: 6.044 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

Tgt Ion:202 Resp: 50907
Ion Ratio Lower Upper
202 100
200 20.1 16.1 24.1
203 21.4 14.8 22.2

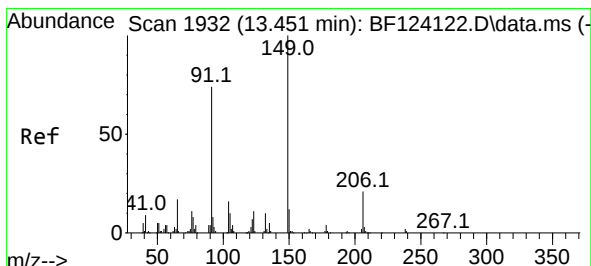
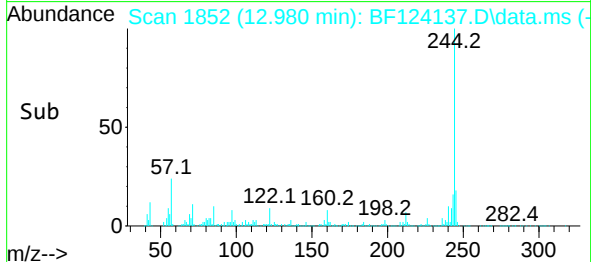
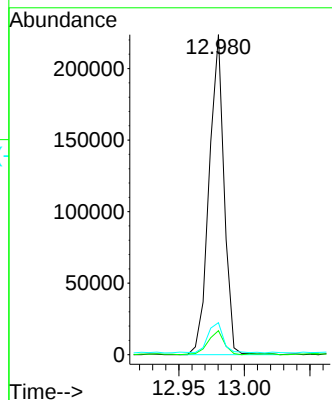
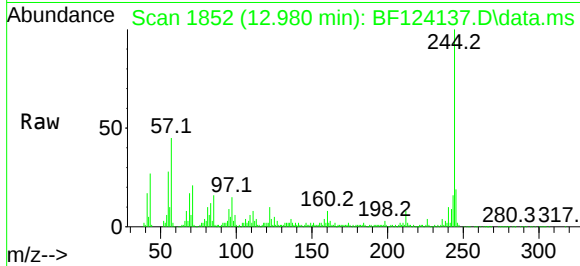




#79
 Terphenyl-d14
 Concen: 27.815 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF124137.D
 Acq: 4 Jun 2021 13:43

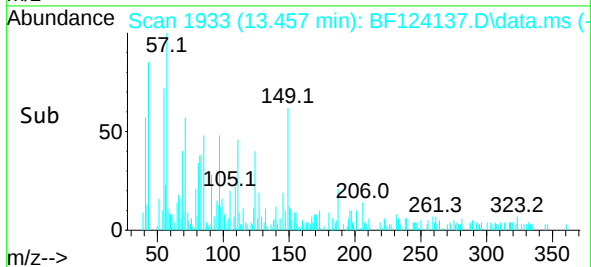
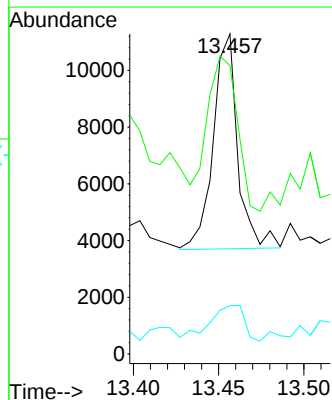
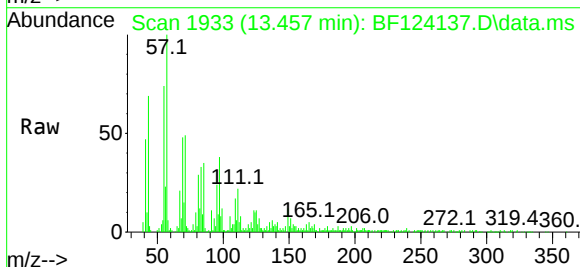
Instrument :
 BNA_F
 ClientSampleId :
 39-41S

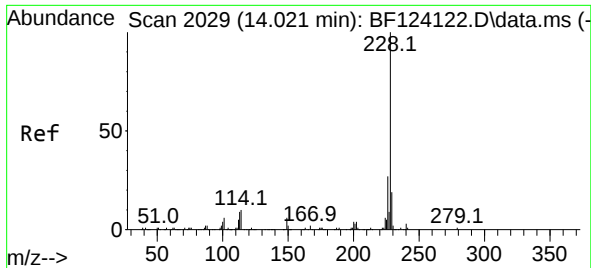
Tgt Ion:244 Resp: 177700
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 10.0 9.7 14.5



#80
 Butylbenzylphthalate
 Concen: 2.217 ng
 RT: 13.457 min Scan# 1933
 Delta R.T. 0.006 min
 Lab File: BF124137.D
 Acq: 4 Jun 2021 13:43

Tgt Ion:149 Resp: 7575
 Ion Ratio Lower Upper
 149 100
 91 90.1 63.6 95.4
 206 15.1 14.5 21.7

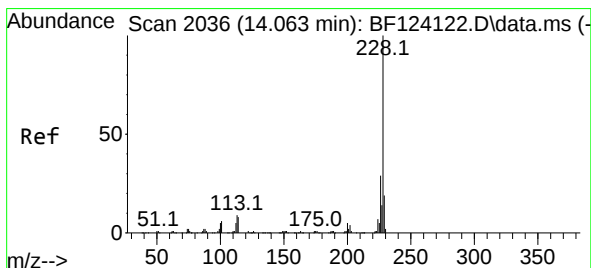
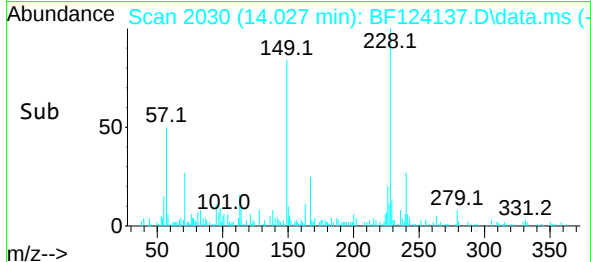
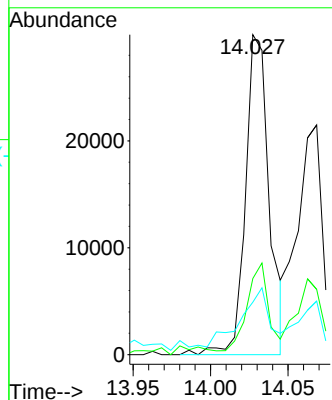
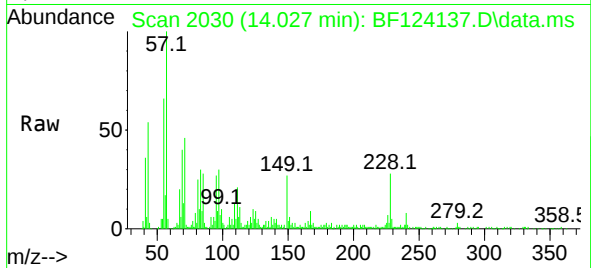




#81
Benzo(a)anthracene
Concen: 5.004 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

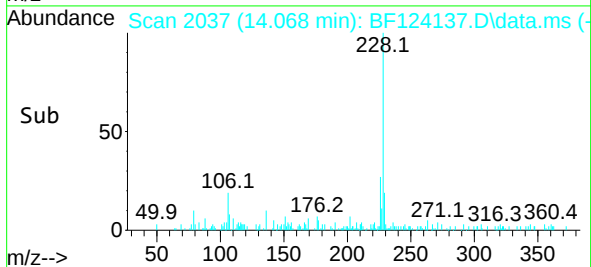
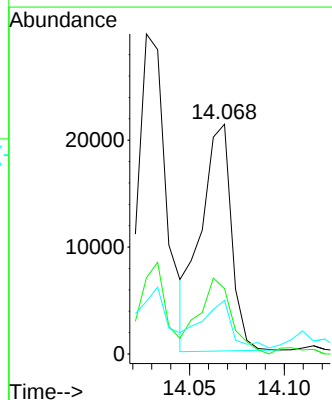
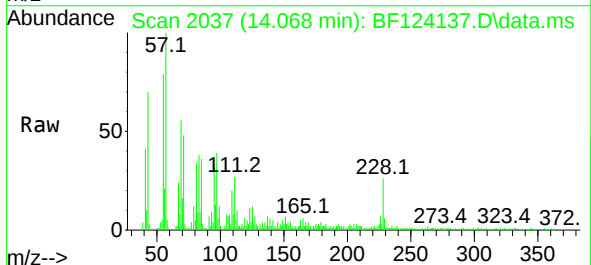
Instrument :
BNA_F
ClientSampleId :
39-41S

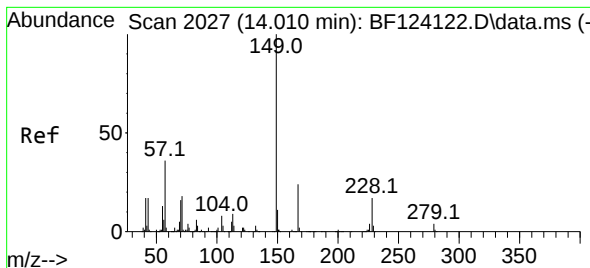
Tgt Ion:228 Resp: 31972
Ion Ratio Lower Upper
228 100
226 23.8 22.4 33.6
229 16.4 16.0 24.0



#83
Chrysene
Concen: 3.897 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.006 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

Tgt Ion:228 Resp: 24024
Ion Ratio Lower Upper
228 100
226 28.4 24.3 36.5
229 23.4 16.2 24.2

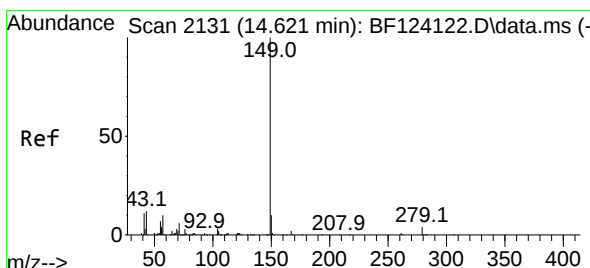
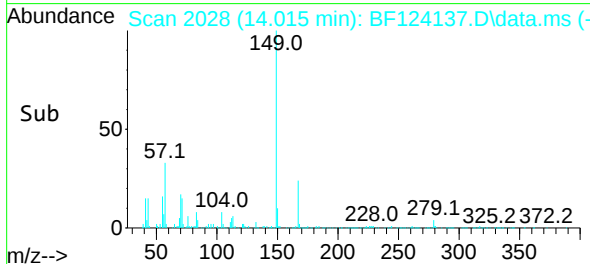
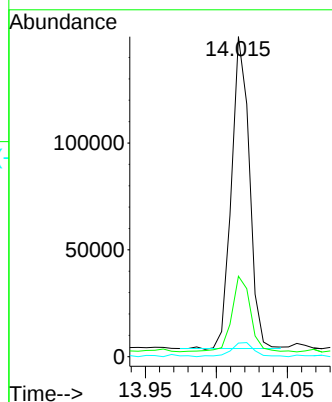
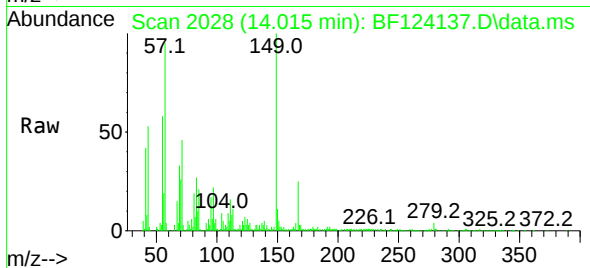




#84
Bis(2-ethylhexyl)phthalate
Concen: 31.369 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

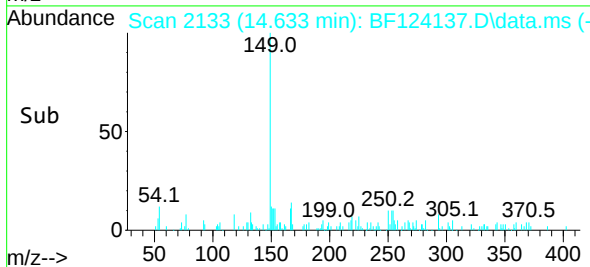
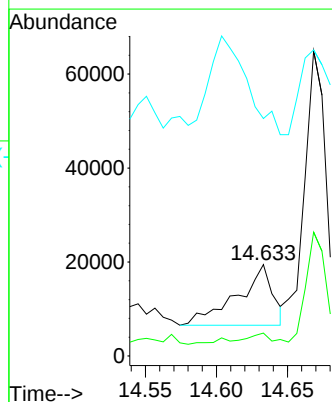
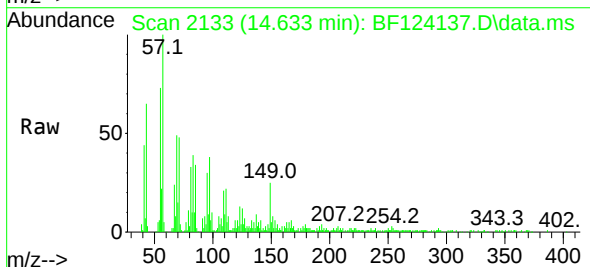
Instrument :
BNA_F
ClientSampleId :
39-41S

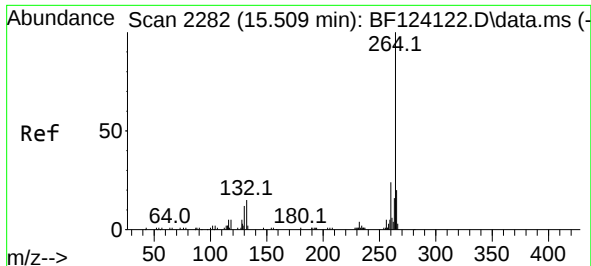
Tgt Ion:149 Resp: 127492
Ion Ratio Lower Upper
149 100
167 25.2 21.8 32.6
279 4.3 3.3 4.9



#85
Di-n-octyl phthalate
Concen: 4.160 ng
RT: 14.633 min Scan# 2133
Delta R.T. 0.012 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

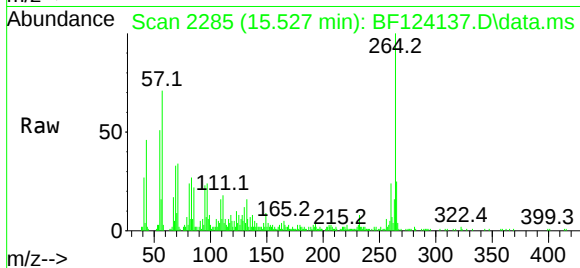
Tgt Ion:149 Resp: 22564
Ion Ratio Lower Upper
149 100
167 8.2 1.2 1.8#
43 0.0 11.8 17.6#



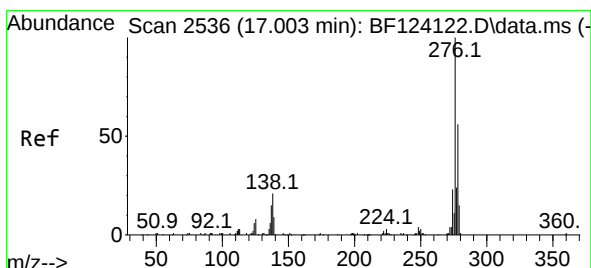
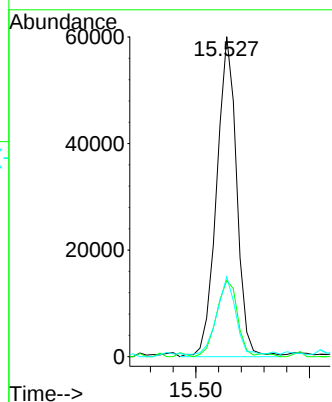
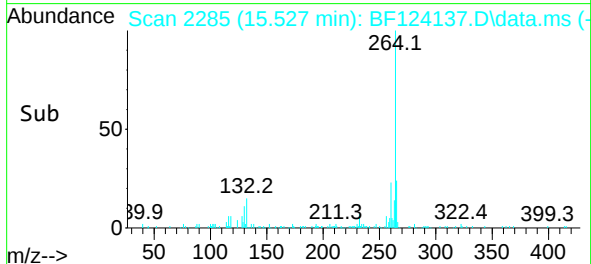


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2285
Delta R.T. 0.018 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43

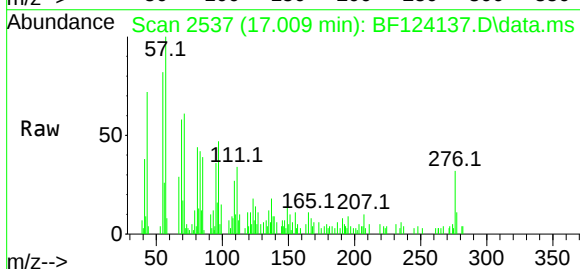
Instrument :
BNA_F
ClientSampleId :
39-41S



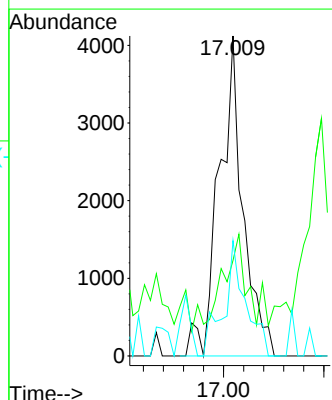
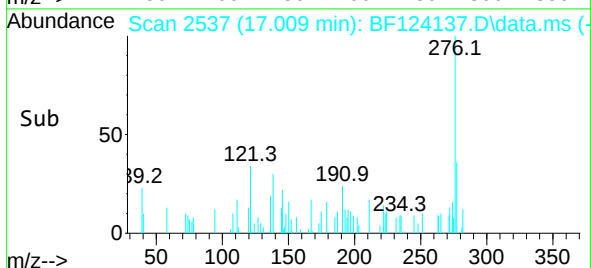
Tgt Ion:264 Resp: 73625
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 25.0 17.8 26.8

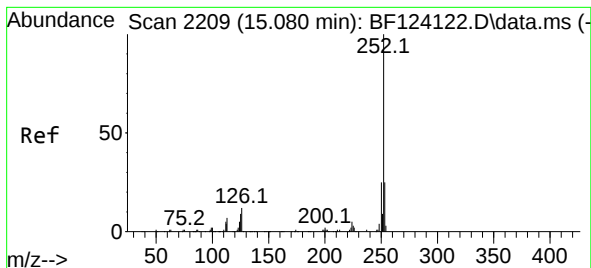


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.346 ng
RT: 17.009 min Scan# 2537
Delta R.T. 0.006 min
Lab File: BF124137.D
Acq: 4 Jun 2021 13:43



Tgt Ion:276 Resp: 6811
Ion Ratio Lower Upper
276 100
138 23.5 16.2 24.2
277 32.9 20.1 30.1#





#88

Benzo(b)fluoranthene

Concen: 7.019 ng

RT: 15.086 min Scan# 2210

Delta R.T. 0.006 min

Lab File: BF124137.D

Acq: 4 Jun 2021 13:43

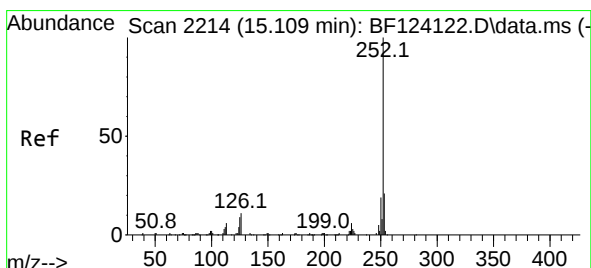
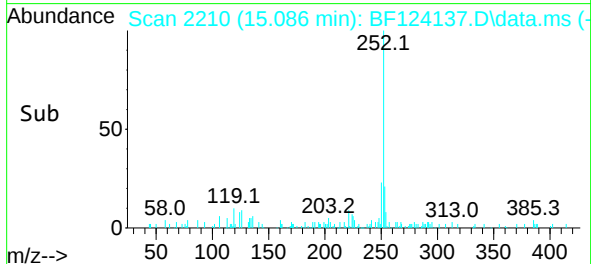
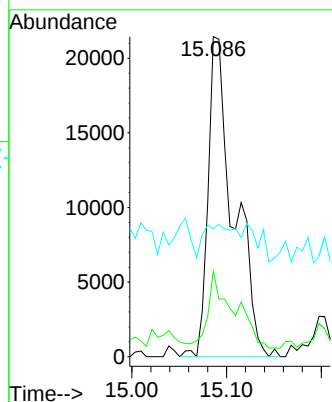
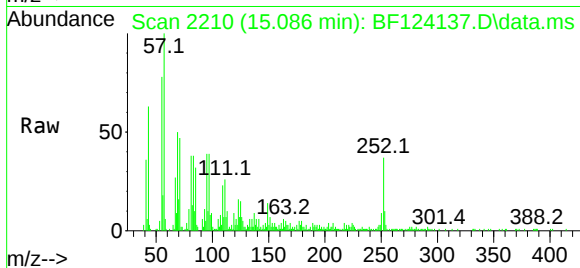
Tgt Ion:252	Resp:	40142
Ion Ratio	Lower	Upper
252	100	
253	26.7	18.1 27.1
125	39.9	6.2 9.4#

Instrument :

BNA_F

ClientSampled :

39-41S



#89

Benzo(k)fluoranthene

Concen: 7.414 ng

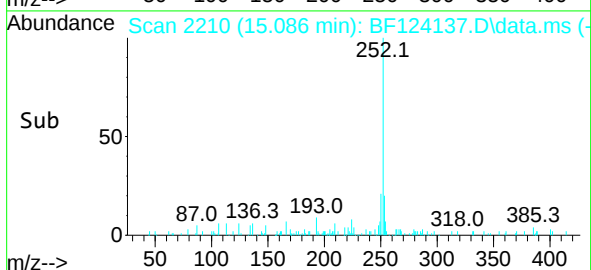
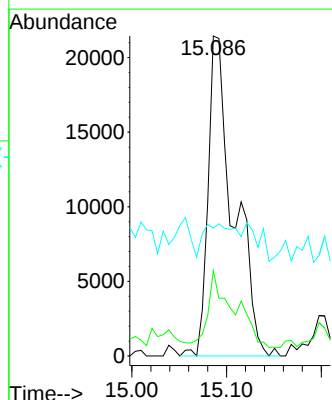
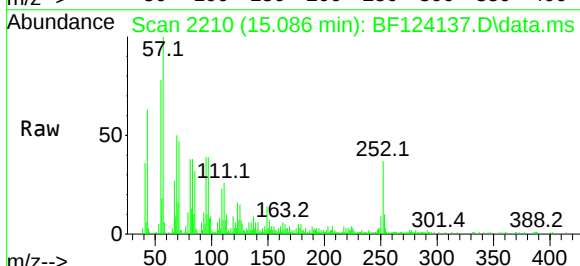
RT: 15.086 min Scan# 2210

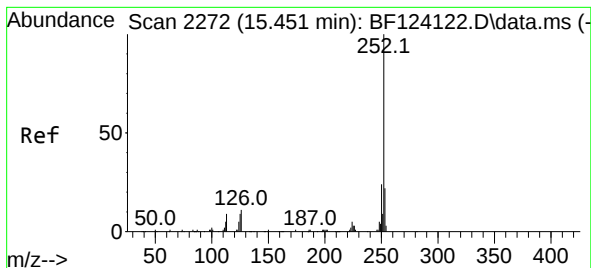
Delta R.T. -0.024 min

Lab File: BF124137.D

Acq: 4 Jun 2021 13:43

Tgt Ion:252	Resp:	40142
Ion Ratio	Lower	Upper
252	100	
253	26.7	17.9 26.9
125	39.9	7.0 10.6#





#90

Benzo(a)pyrene

Concen: 2.599 ng

RT: 15.457 min Scan# 2273

Delta R.T. 0.006 min

Lab File: BF124137.D

Acq: 4 Jun 2021 13:43

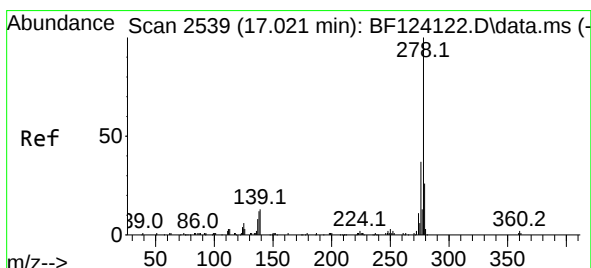
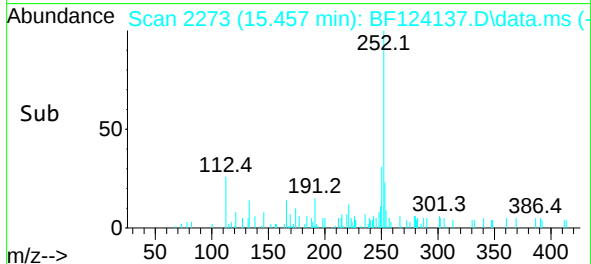
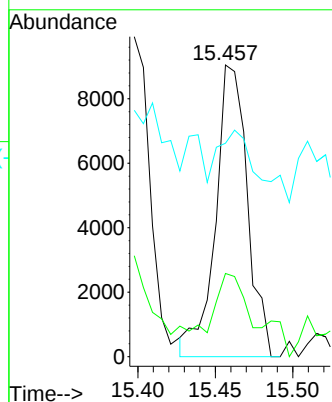
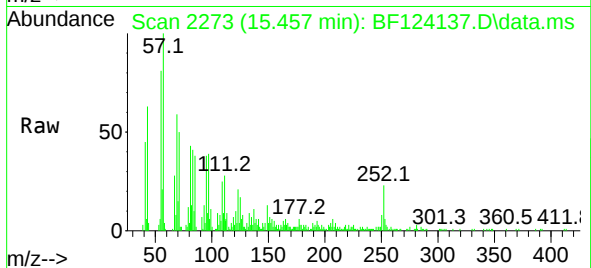
Instrument :

BNA_F

ClientSampleId :

39-41S

Tgt Ion:252	Resp:	12913
Ion Ratio	Lower	Upper
252	100	
253	28.5	18.4 27.6#
125	73.2	8.0 12.0#



#91

Dibenzo(a,h)anthracene

Concen: 4.422 ng

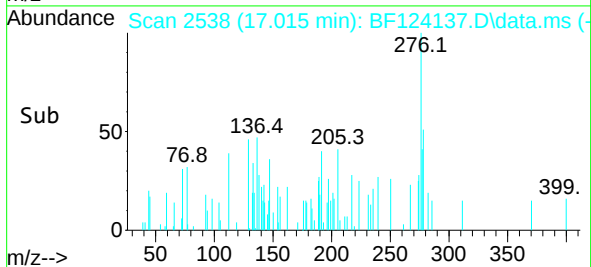
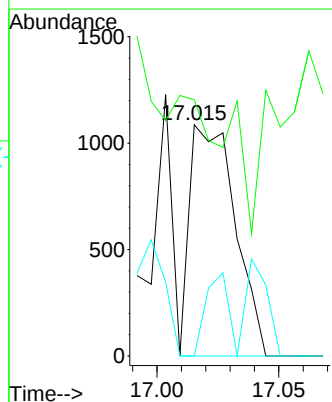
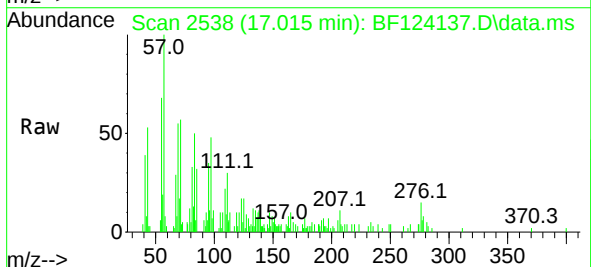
RT: 17.015 min Scan# 2538

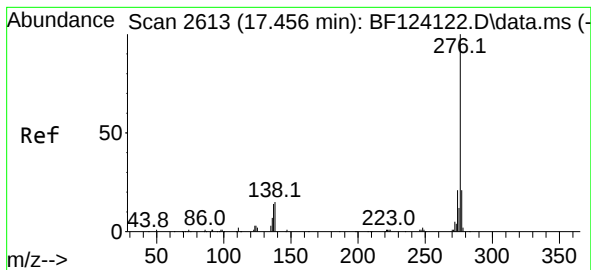
Delta R.T. -0.006 min

Lab File: BF124137.D

Acq: 4 Jun 2021 13:43

Tgt Ion:278	Resp:	1414
Ion Ratio	Lower	Upper
278	100	
139	110.8	10.2 15.2#
279	0.0	19.4 29.0#





#92

Benzo(g,h,i)perylene

Concen: 4.723 ng

RT: 17.462 min Scan# 2614

Delta R.T. 0.006 min

Lab File: BF124137.D

Acq: 4 Jun 2021 13:43

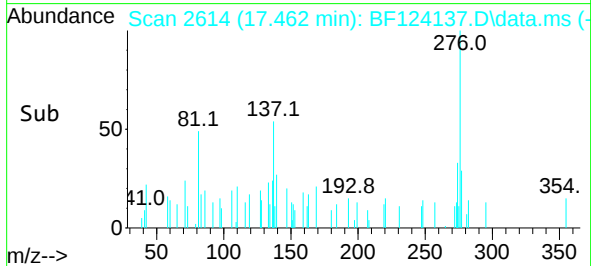
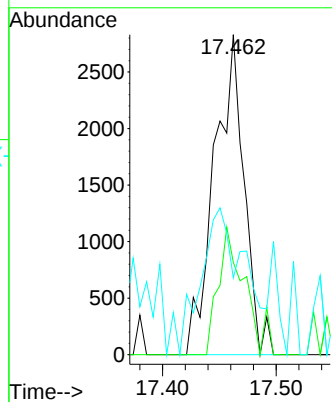
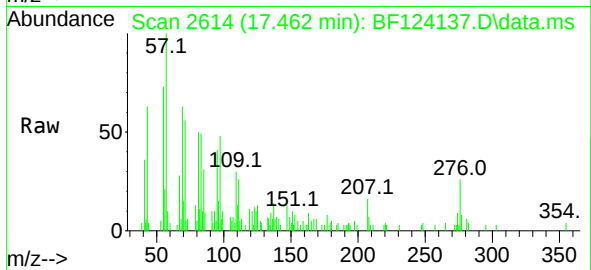
Tgt Ion:276 Resp: 5134

Ion Ratio Lower Upper

276 100

277 28.8 18.2 27.2#

138 24.0 13.8 20.6#



Instrument :

BNA_F

ClientSampleId :

39-41S