

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052421\
 Data File : BF124038.D
 Acq On : 24 May 2021 15:35
 Operator : JU/CG
 Sample : M2489-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 359

Quant Time: May 24 16:02:27 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

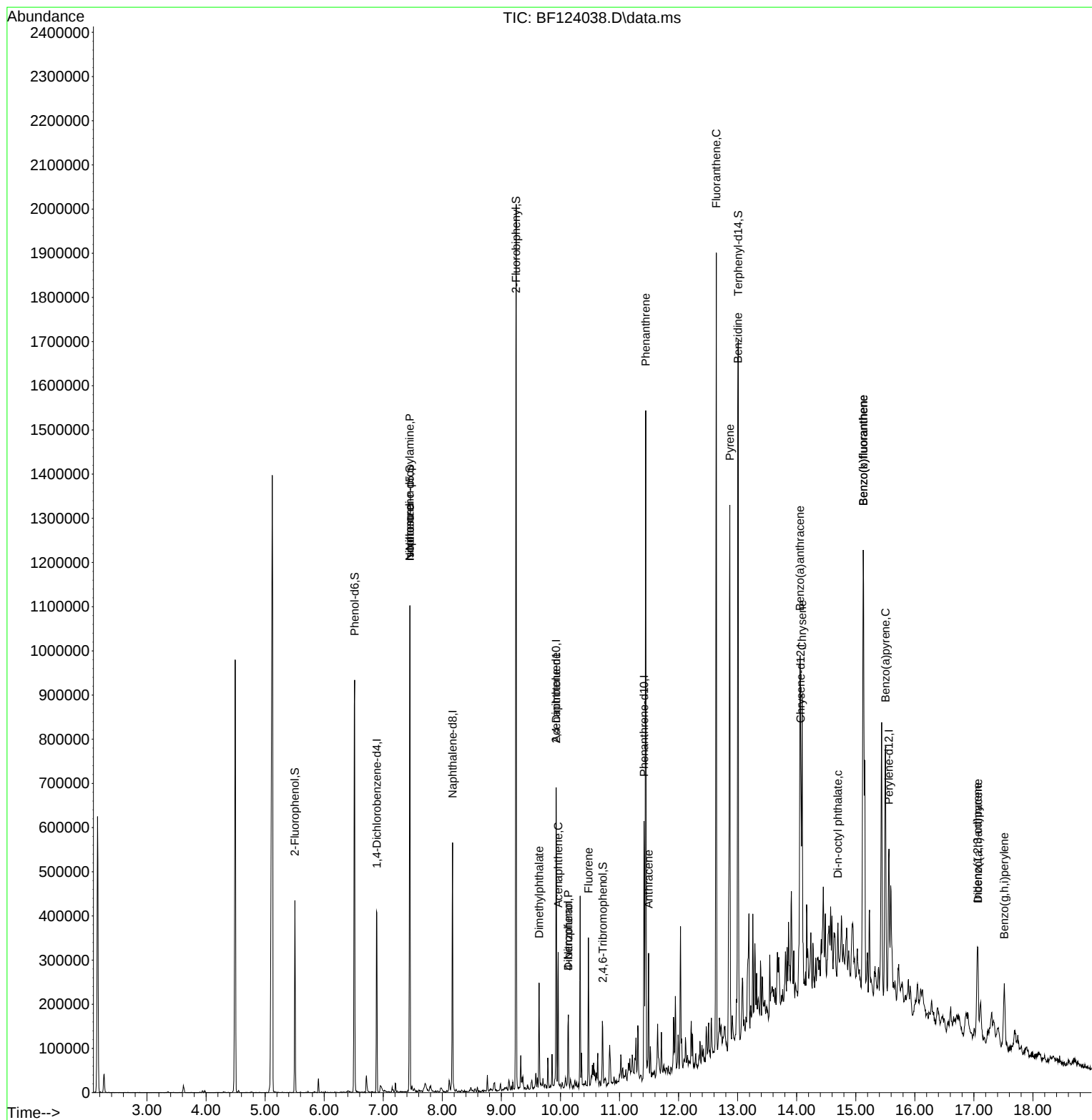
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	53705	20.00	ng	-0.01
21) Naphthalene-d8	8.175	136	201573	20.00	ng	#-0.01
39) Acenaphthene-d10	9.928	164	113408	20.00	ng	-0.02
64) Phenanthrene-d10	11.416	188	199619	20.00	ng	#-0.01
76) Chrysene-d12	14.068	240	123644	20.00	ng	0.00
86) Perylene-d12	15.562	264	129976	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	84869	22.19	ng	0.00
7) Phenol-d6	6.516	99	261506	52.70	ng	0.00
23) Nitrobenzene-d5	7.451	82	288464	61.66	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	7117	5.22	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	533838	57.93	ng	-0.01
79) Terphenyl-d14	13.010	244	476857	58.41	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	45080	13.44	ng	# 69
25) Isophorone	7.451	82	288458	32.05	ng	# 69
50) Dimethylphthalate	9.639	163	69503	7.68	ng	99
52) Acenaphthene	9.963	154	54786	6.83	ng	97
55) Dibenzofuran	10.133	168	49689	4.31	ng	90
56) 4-Nitrophenol	10.133	139	19097	12.69	ng	# 1
57) 2,4-Dinitrotoluene	9.928	165	16890	7.52	ng	# 19
58) Fluorene	10.475	166	71501	8.23	ng	84
71) Phenanthrene	11.445	178	472155	37.32	ng	99
72) Anthracene	11.492	178	87306	6.81	ng	98
75) Fluoranthene	12.639	202	619522	47.29	ng	98
77) Benzidine	13.004	184	7423	2.49	ng	# 96
78) Pyrene	12.869	202	488610	44.51	ng	97
81) Benzo(a)anthracene	14.057	228	232664	26.02	ng	95
83) Chrysene	14.092	228	274832	31.96	ng	98
85) Di-n-octyl phthalate	14.698	149	19189	2.09	ng	# 46
87) Indeno(1,2,3-cd)pyrene	17.062	276	130777	13.03	ng	99
88) Benzo(b)fluoranthene	15.127	252	753926	74.98	ng	# 96
89) Benzo(k)fluoranthene	15.127	252	753926	82.28	ng	97
90) Benzo(a)pyrene	15.504	252	280596	32.28	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	41062	4.86	ng	# 93
92) Benzo(g,h,i)perylene	17.515	276	108923	12.85	ng	# 96

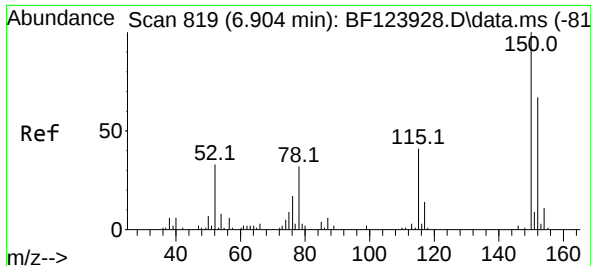
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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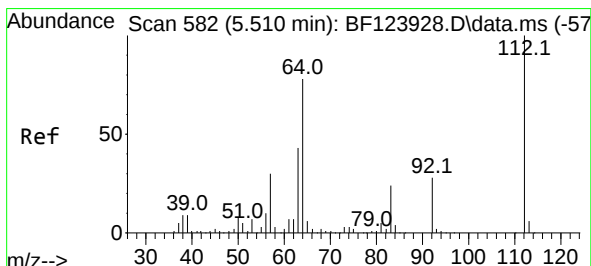
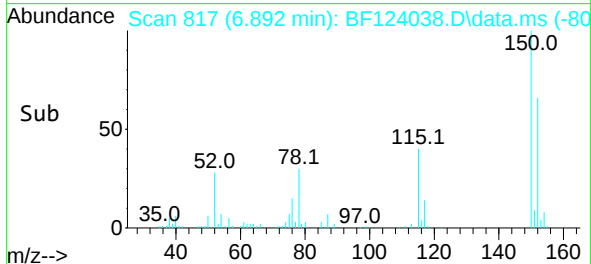
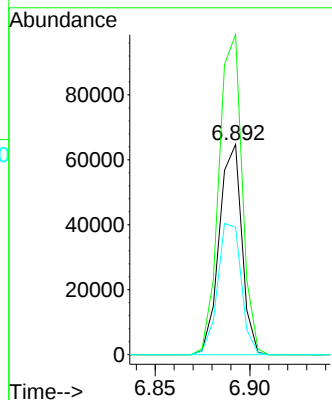
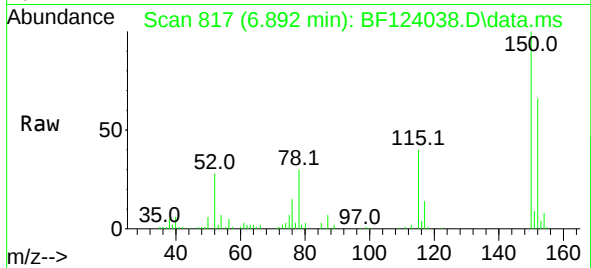




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

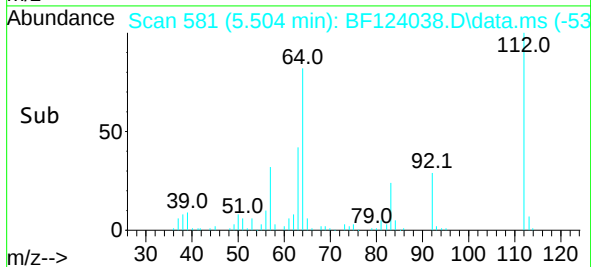
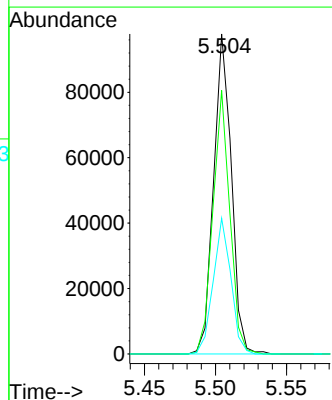
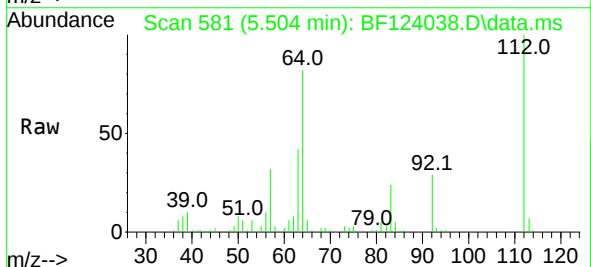
Instrument :
BNA_F
ClientSampled :
359

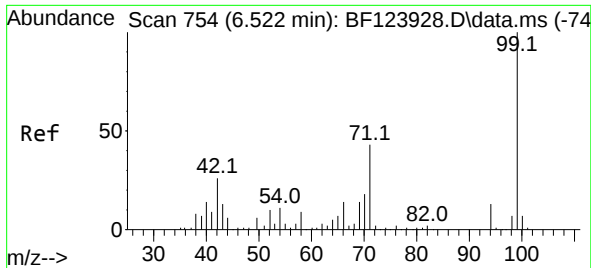
Tgt Ion:152 Resp: 53705
Ion Ratio Lower Upper
152 100
150 152.2 127.0 190.6
115 60.7 54.3 81.5



#5
2-Fluorophenol
Concen: 22.19 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

Tgt Ion:112 Resp: 84869
Ion Ratio Lower Upper
112 100
64 82.3 61.4 92.0
63 42.4 33.0 49.4

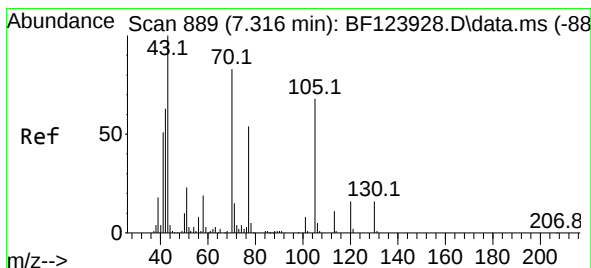
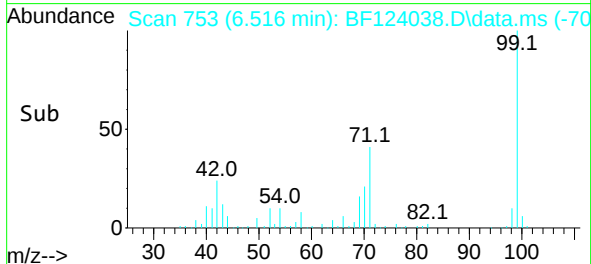
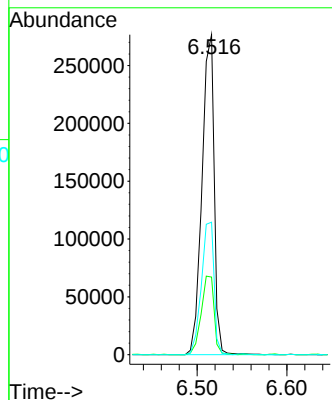
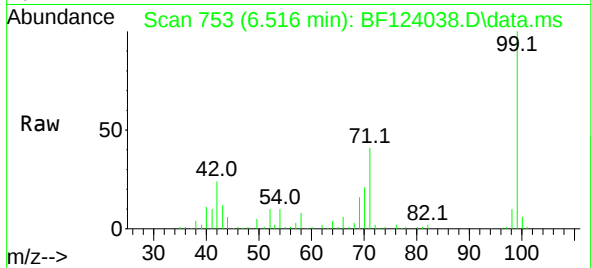




#7
Phenol-d6
Concen: 52.70 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

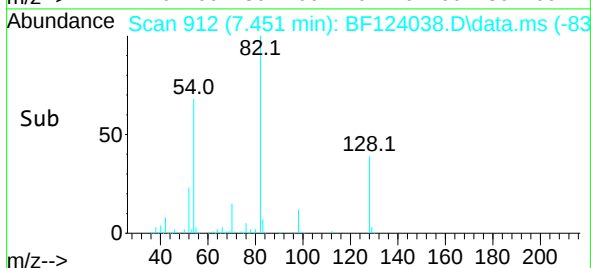
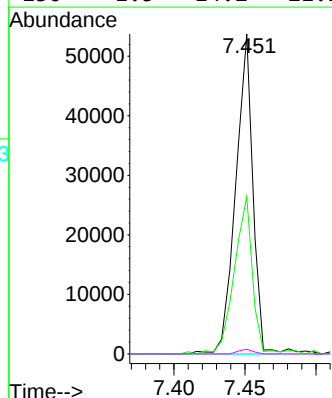
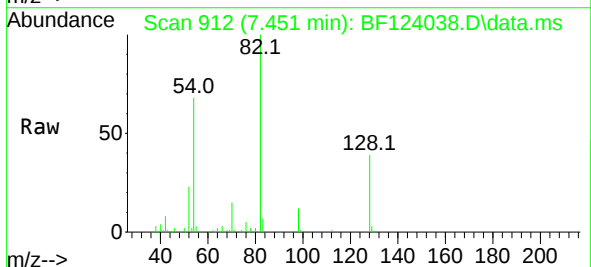
Instrument :
BNA_F
ClientSampled :
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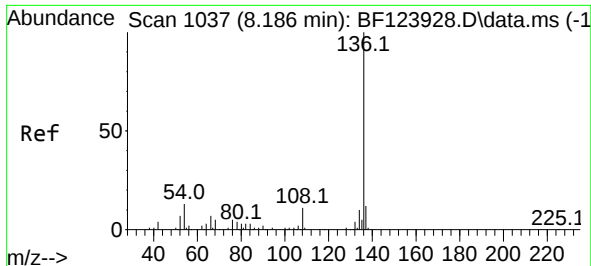
Tgt Ion: 99 Resp: 261506
Ion Ratio Lower Upper
99 100
42 24.2 19.8 29.8
71 41.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.44 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.135 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

Tgt Ion: 70 Resp: 45080
Ion Ratio Lower Upper
70 100
42 49.2 60.1 90.1#
101 0.0 7.4 11.2#
130 1.5 14.2 21.2#

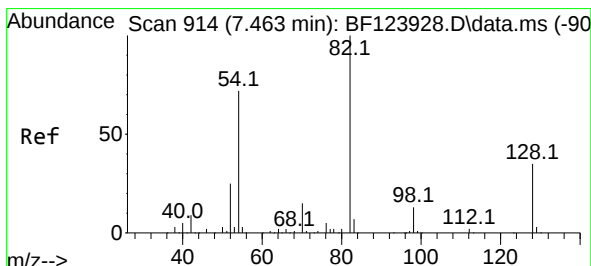
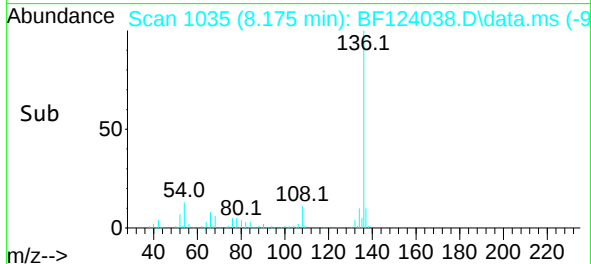
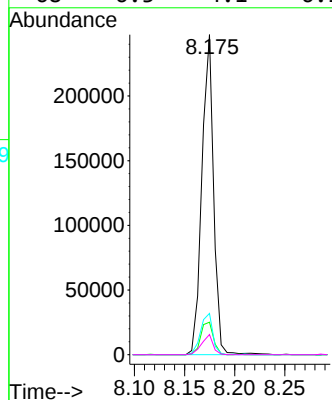
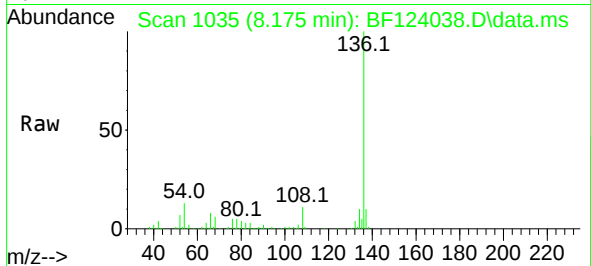




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.011 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

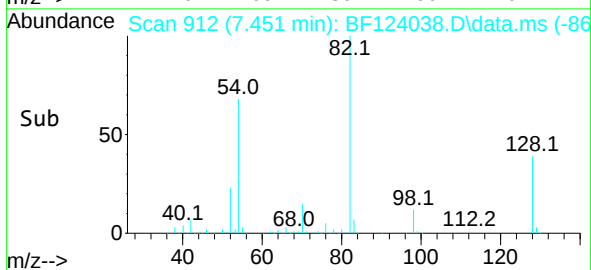
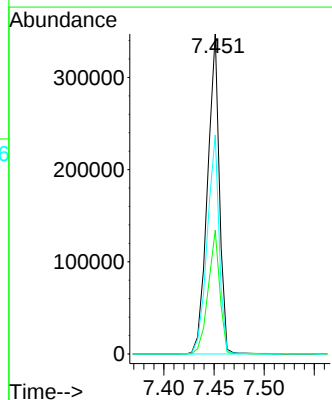
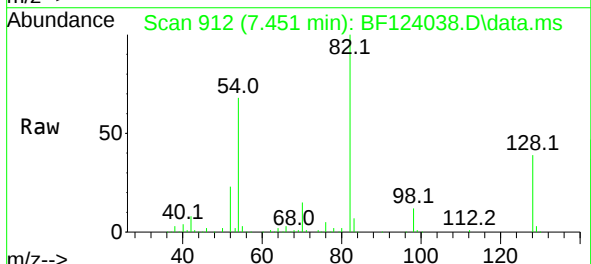
Instrument :
BNA_F
ClientSampleId :
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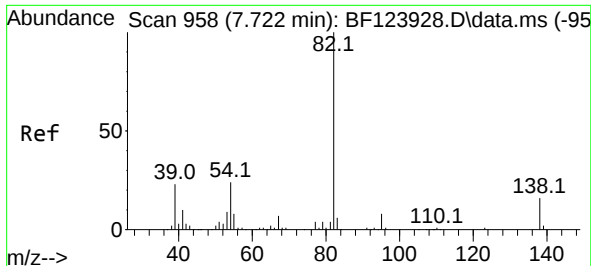
Tgt Ion:	136	Resp:	201573
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.7	13.1
54	12.9	9.8	14.6
68	6.3	4.1	6.1



#23
Nitrobenzene-d5
Concen: 61.66 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

Tgt Ion:	82	Resp:	288464
Ion Ratio	Lower	Upper	
82	100		
128	38.7	29.4	44.2
54	68.5	54.1	81.1

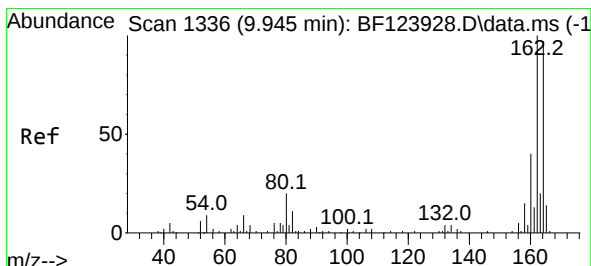
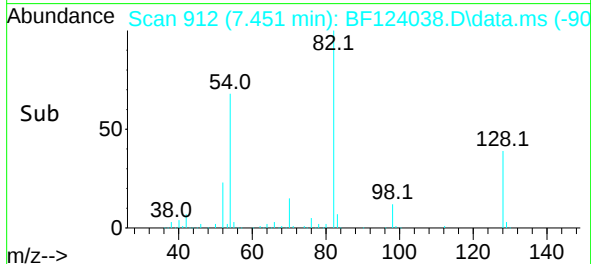
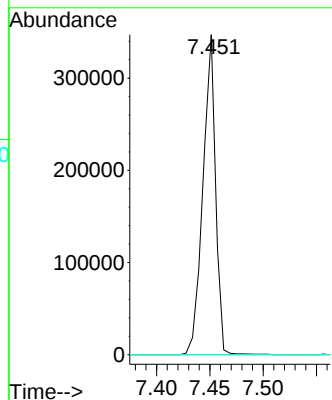
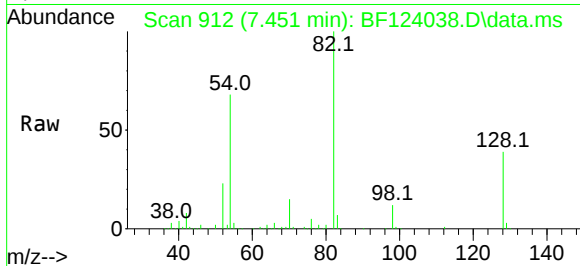




#25
Isophorone
Concen: 32.05 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.270 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

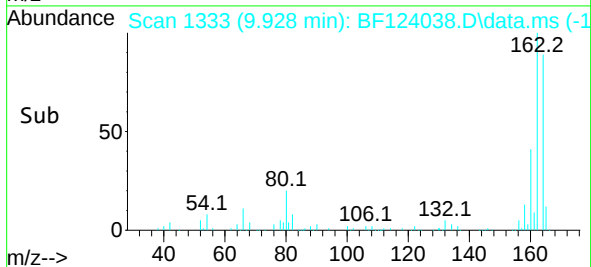
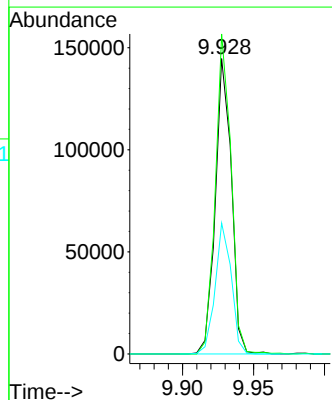
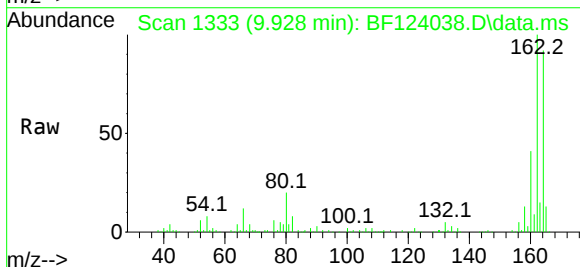
Instrument :
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ClientSampleId :
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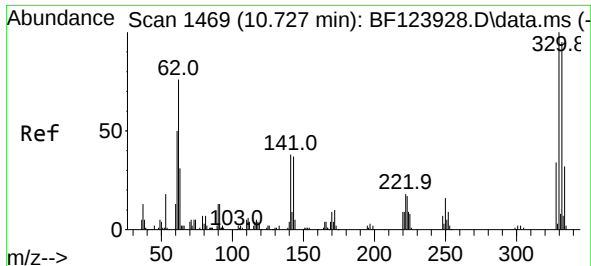
Tgt Ion: 82 Resp: 288458
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.017 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

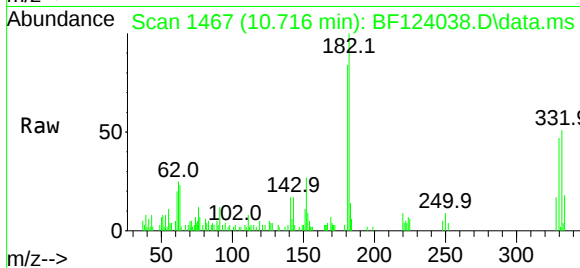
Tgt Ion: 164 Resp: 113408
Ion Ratio Lower Upper
164 100
162 108.4 80.7 121.1
160 44.3 37.3 55.9



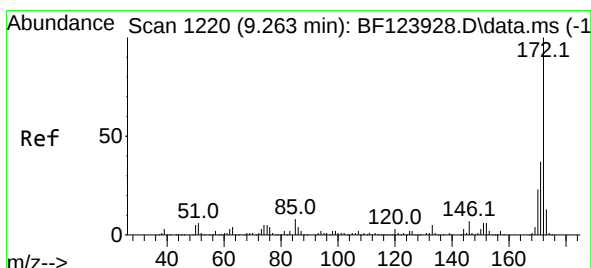
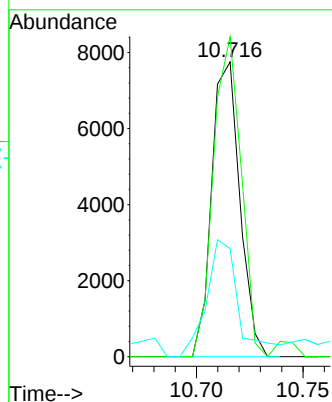
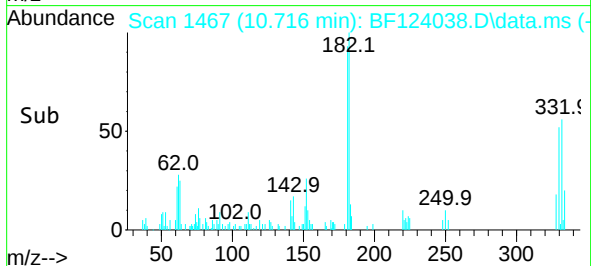


#42
2,4,6-Tribromophenol
Concen: 5.22 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.012 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

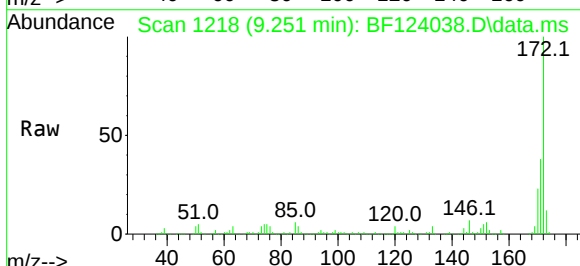
Instrument :
BNA_F
ClientSampled :
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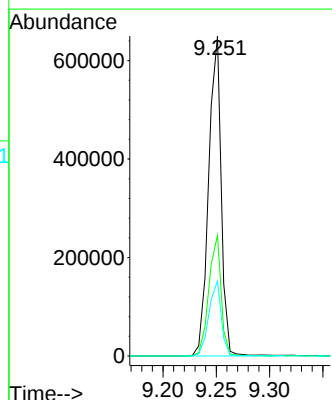
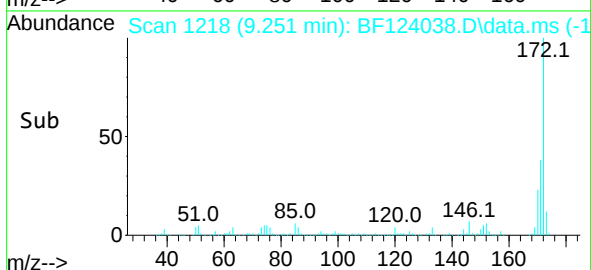
Tgt Ion: 330 Resp: 7117
Ion Ratio Lower Upper
330 100
332 107.1 77.1 115.7
141 45.7 27.9 41.9#

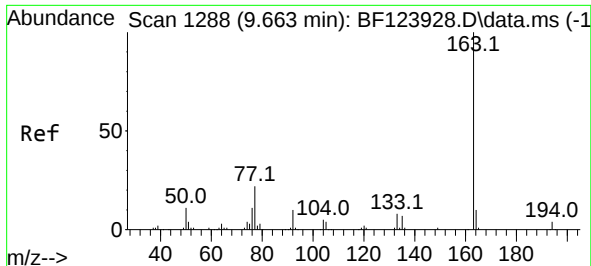


#45
2-Fluorobiphenyl
Concen: 57.93 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35



Tgt Ion: 172 Resp: 533838
Ion Ratio Lower Upper
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171 37.7 28.1 42.1
170 23.5 19.2 28.8

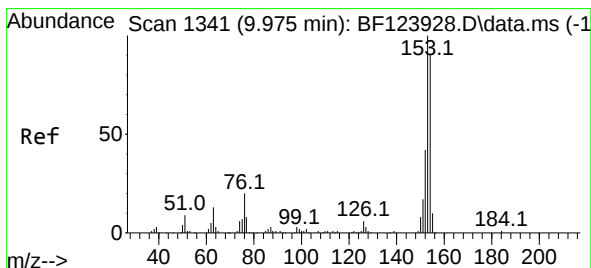
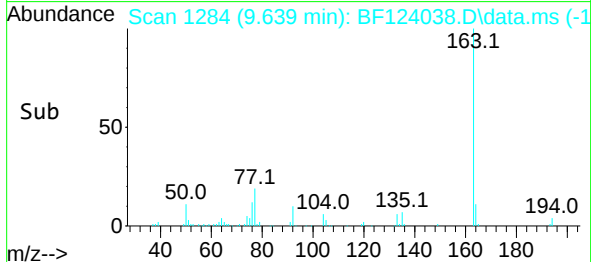
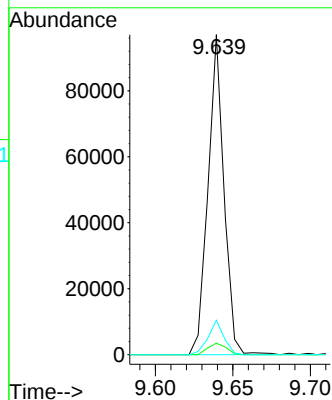
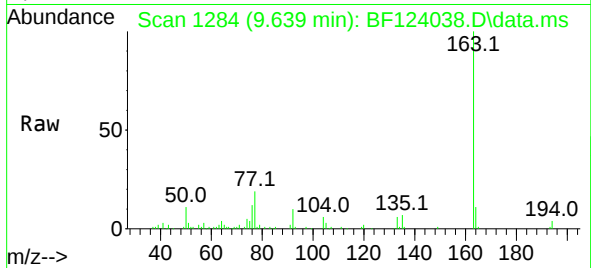




#50
Dimethylphthalate
Concen: 7.68 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

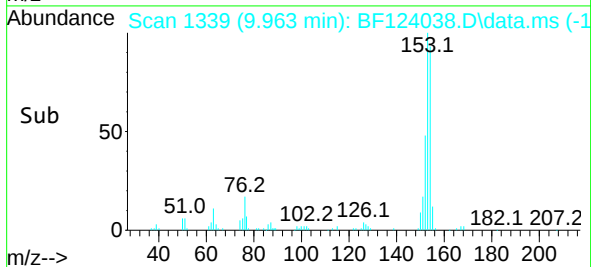
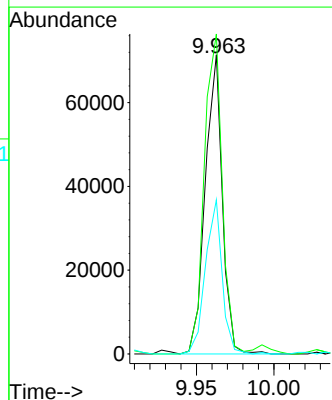
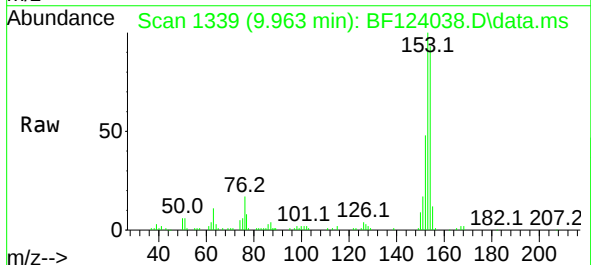
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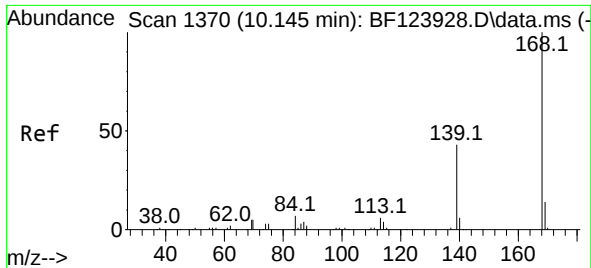
Tgt Ion:163 Resp: 69503
Ion Ratio Lower Upper
163 100
194 3.6 3.1 4.7
164 10.8 8.2 12.2



#52
Acenaphthene
Concen: 6.83 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.012 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

Tgt Ion:154 Resp: 54786
Ion Ratio Lower Upper
154 100
153 107.0 88.1 132.1
152 51.5 43.4 65.0

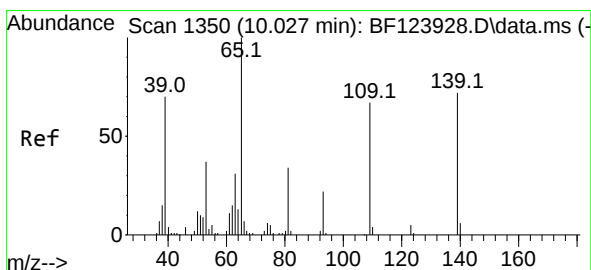
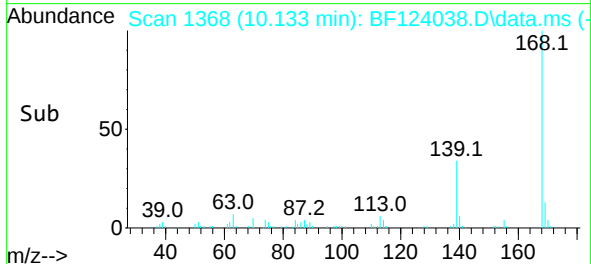
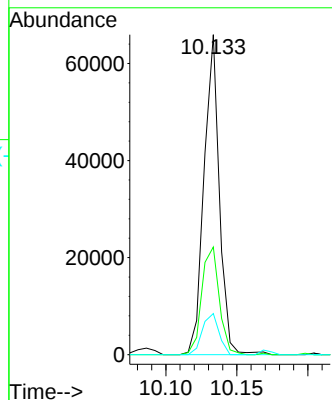
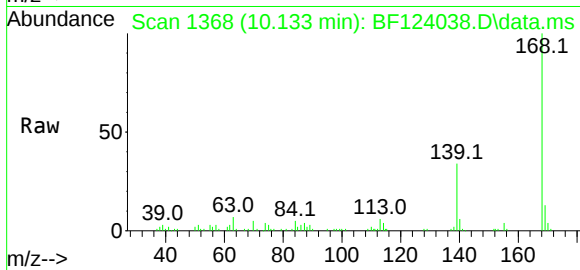




#55
Dibenzenofuran
Concen: 4.31 ng
RT: 10.133 min Scan# 1368
Delta R.T. -0.012 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

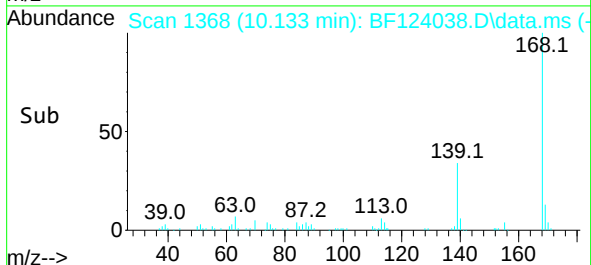
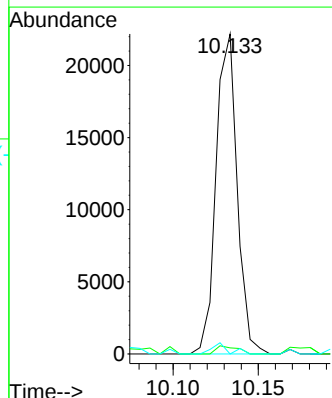
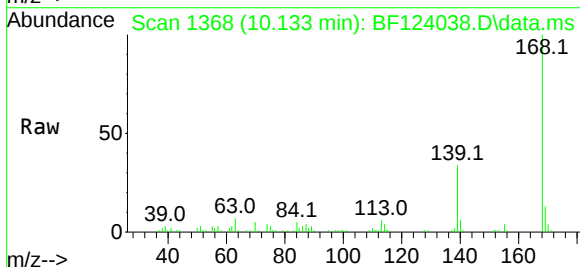
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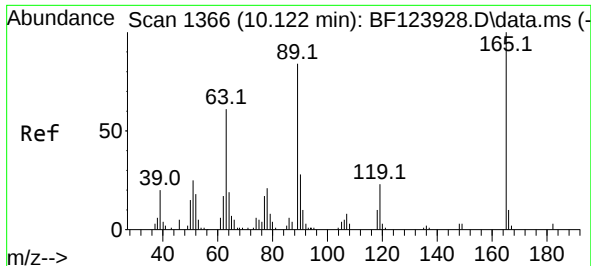
Tgt Ion:168 Resp: 49689
Ion Ratio Lower Upper
168 100
139 33.6 33.2 49.8
169 12.8 10.8 16.2



#56
4-Nitrophenol
Concen: 12.69 ng
RT: 10.133 min Scan# 1368
Delta R.T. 0.106 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

Tgt Ion:139 Resp: 19097
Ion Ratio Lower Upper
139 100
109 1.9 63.2 103.2#
65 0.0 110.0 150.0#

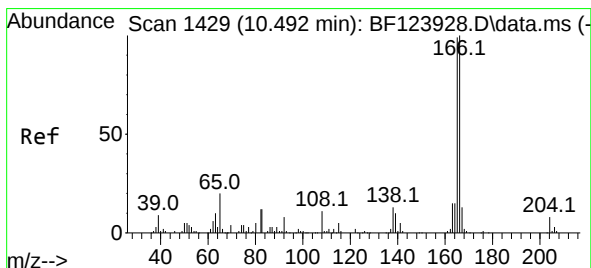
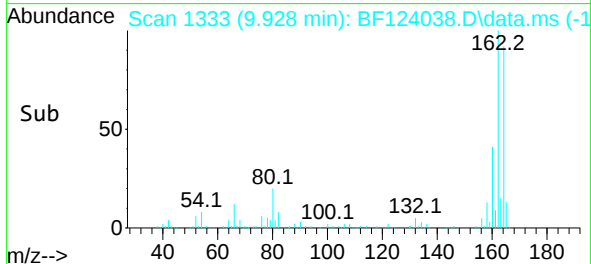
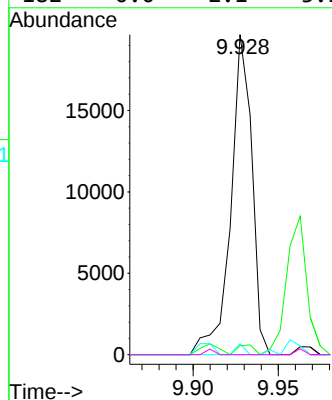
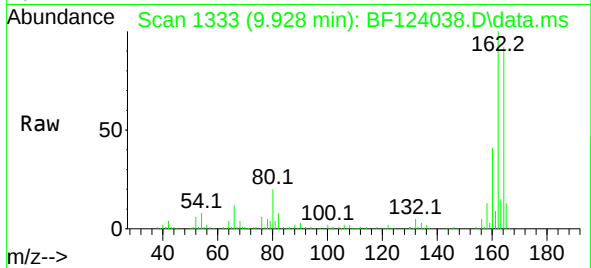




#57
2,4-Dinitrotoluene
Concen: 7.52 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.194 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

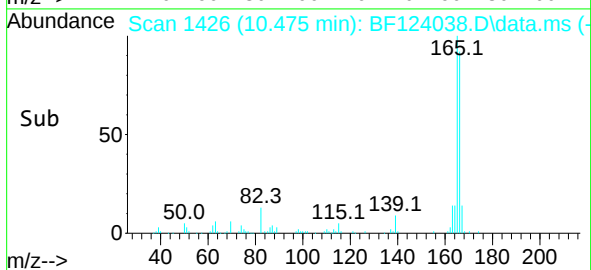
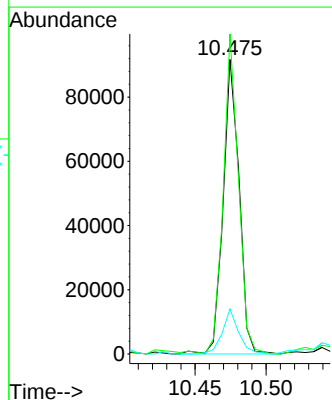
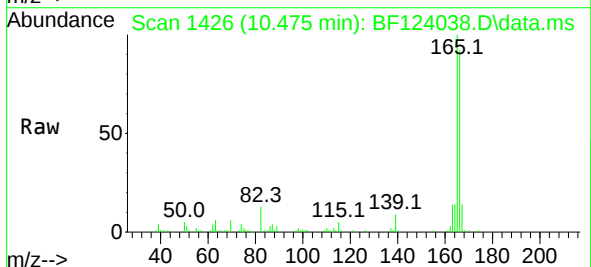
Instrument :
BNA_F
ClientSampled :
359

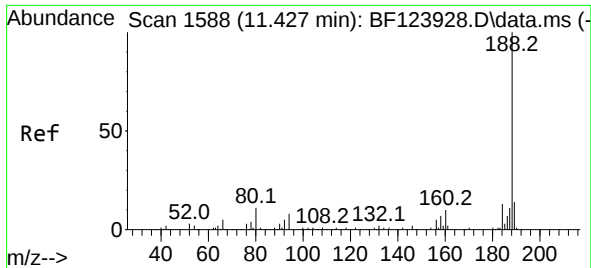
Tgt Ion:165 Resp: 16890
Ion Ratio Lower Upper
165 100
63 2.8 43.5 65.3#
89 3.4 67.7 101.5#
182 0.0 2.1 3.1#



#58
Fluorene
Concen: 8.23 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.018 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

Tgt Ion:166 Resp: 71501
Ion Ratio Lower Upper
166 100
165 108.7 73.5 110.3
167 15.3 10.7 16.1

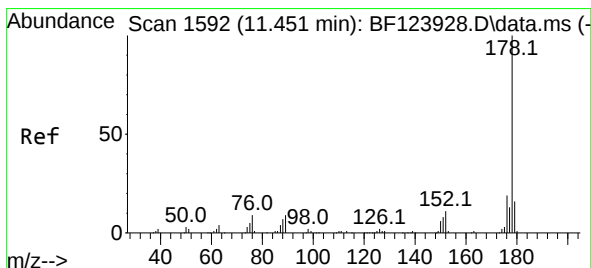
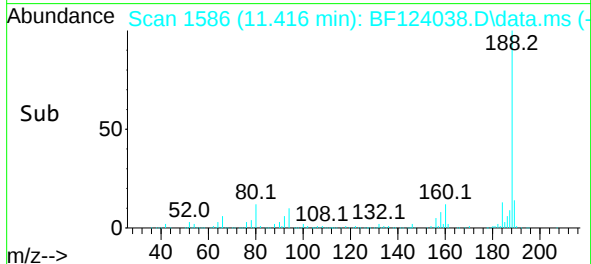
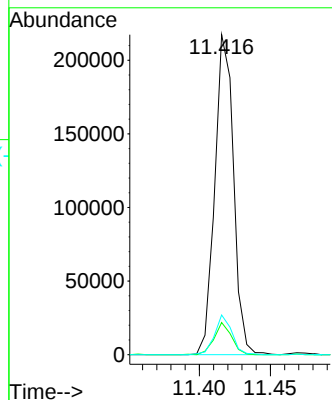
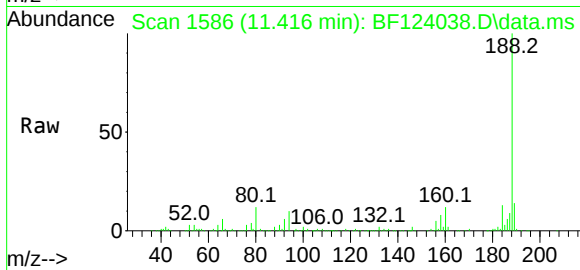




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.011 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

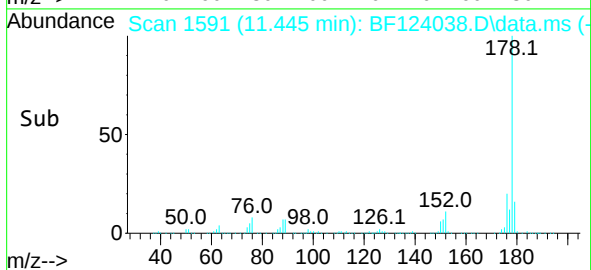
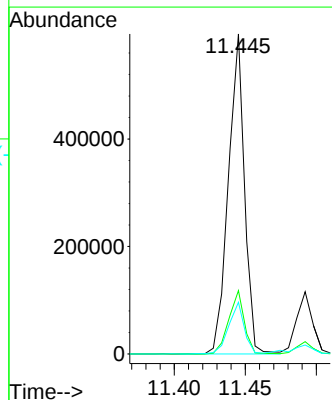
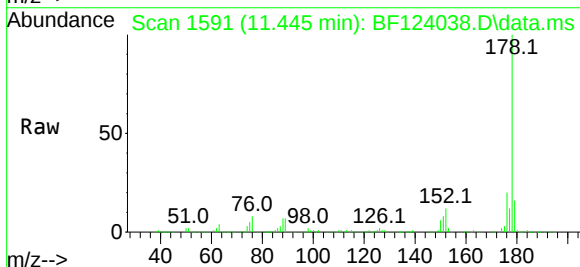
Instrument :
BNA_F
ClientSampled :
359

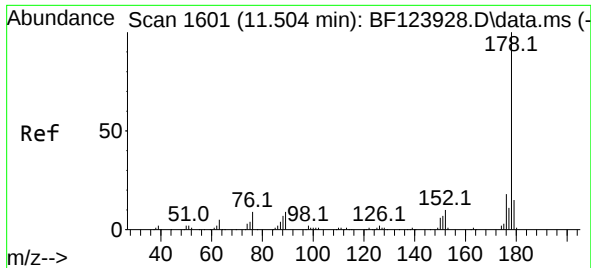
Tgt Ion:188 Resp: 199619
Ion Ratio Lower Upper
188 100
94 10.1 6.9 10.3
80 12.4 8.2 12.2#



#71
Phenanthrene
Concen: 37.32 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

Tgt Ion:178 Resp: 472155
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 16.2 12.5 18.7

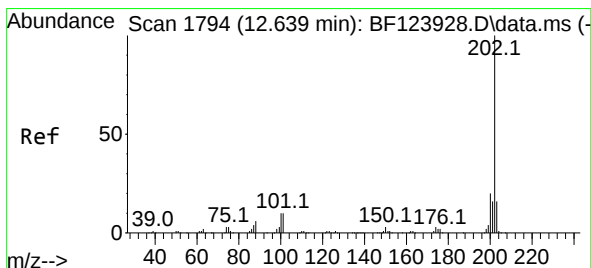
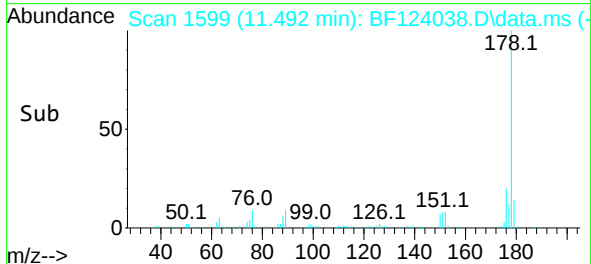
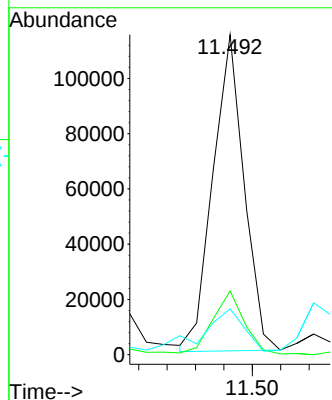
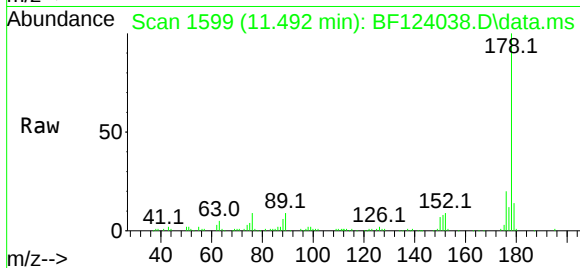




#72
 Anthracene
 Concen: 6.81 ng
 RT: 11.492 min Scan# 1599
 Delta R.T. -0.012 min
 Lab File: BF124038.D
 Acq: 24 May 2021 15:35

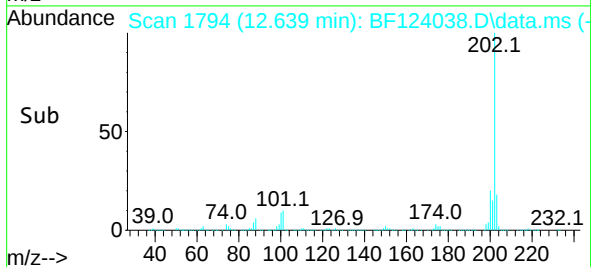
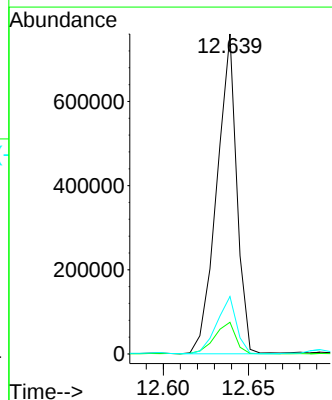
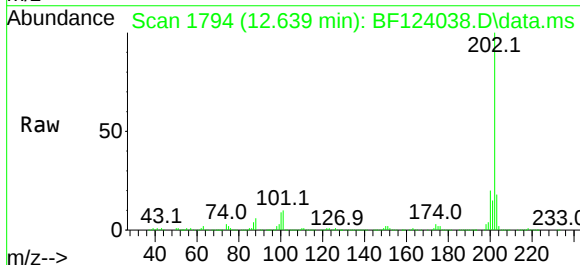
Instrument :
 BNA_F
 ClientSampled :
 359

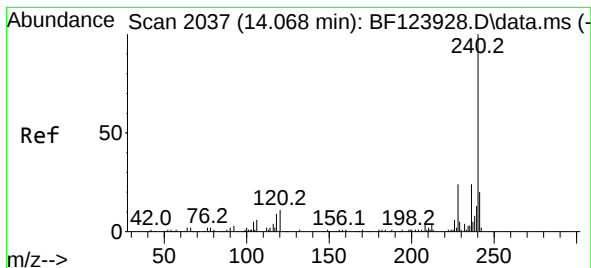
Tgt Ion:178 Resp: 87306
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.4 23.0
 179 14.3 12.6 18.8



#75
 Fluoranthene
 Concen: 47.29 ng
 RT: 12.639 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: BF124038.D
 Acq: 24 May 2021 15:35

Tgt Ion:202 Resp: 619522
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.9
 203 17.9 0.0 37.5

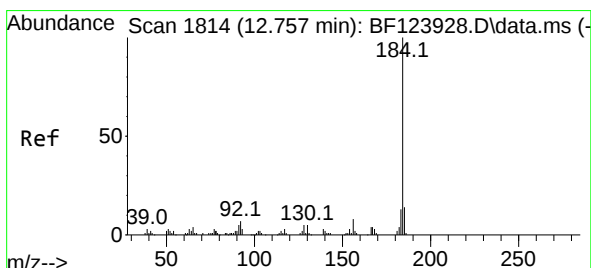
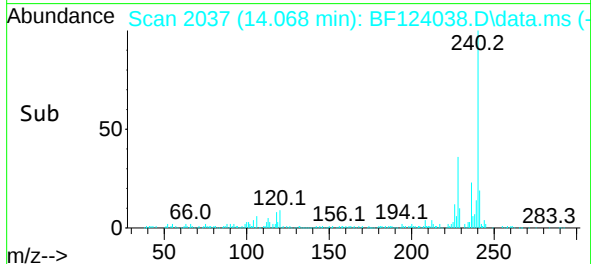
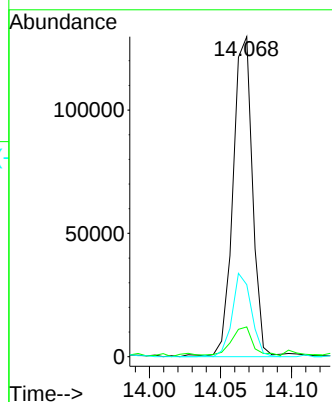
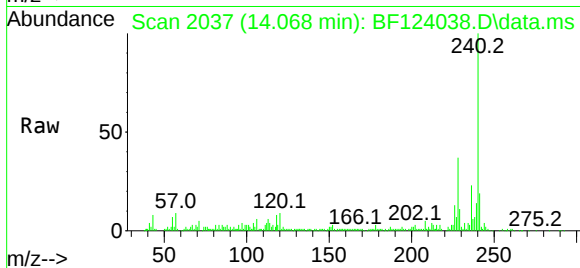




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

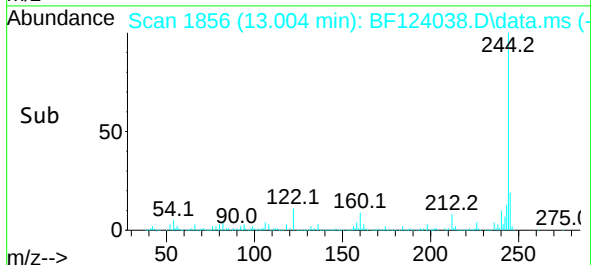
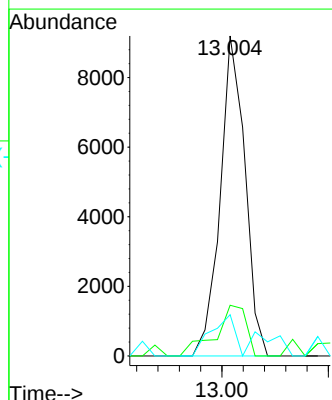
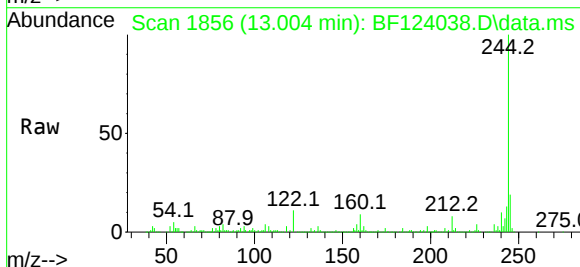
Instrument :
BNA_F
ClientSampled :
359

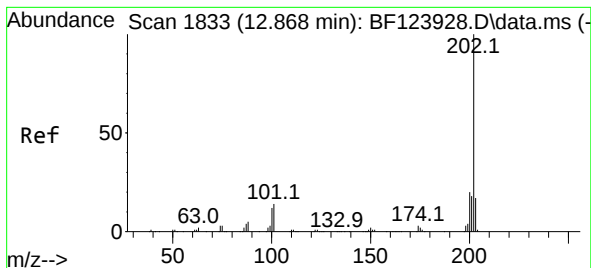
Tgt Ion:240 Resp: 123644
Ion Ratio Lower Upper
240 100
120 9.3 7.2 10.8
236 22.5 19.0 28.4



#77
Benzidine
Concen: 2.49 ng
RT: 13.004 min Scan# 1856
Delta R.T. 0.247 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

Tgt Ion:184 Resp: 7423
Ion Ratio Lower Upper
184 100
185 15.8 12.1 18.1
183 12.9 7.8 11.8#





#78

Pyrene

Concen: 44.51 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.000 min

Lab File: BF124038.D

Acq: 24 May 2021 15:35

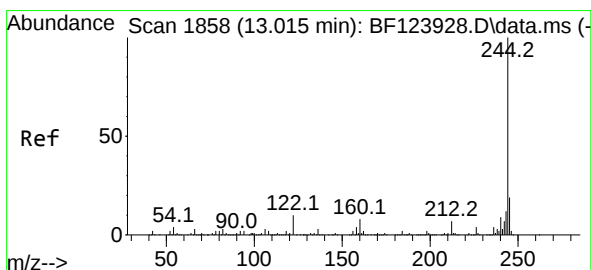
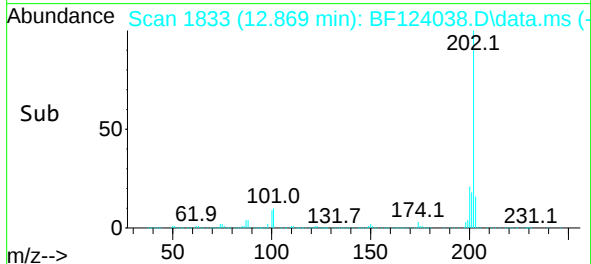
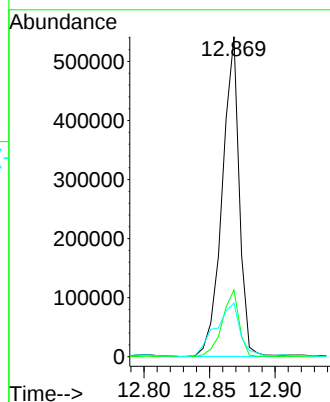
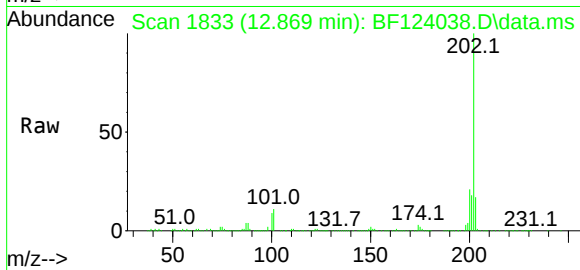
Tgt Ion:202 Resp: 488610

Ion Ratio Lower Upper

202 100

200 20.8 16.1 24.1

203 16.7 14.8 22.2



#79

Terphenyl-d14

Concen: 58.41 ng

RT: 13.010 min Scan# 1857

Delta R.T. -0.006 min

Lab File: BF124038.D

Acq: 24 May 2021 15:35

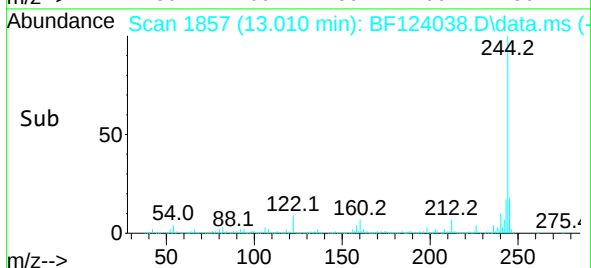
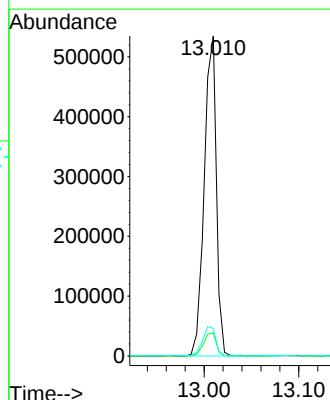
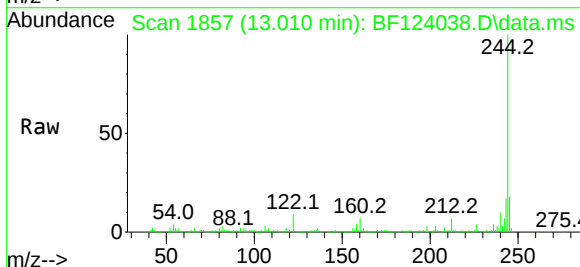
Tgt Ion:244 Resp: 476857

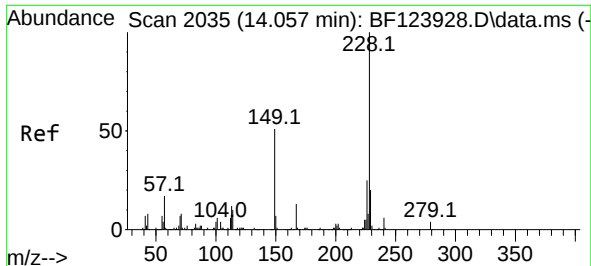
Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

122 8.6 9.7 14.5#

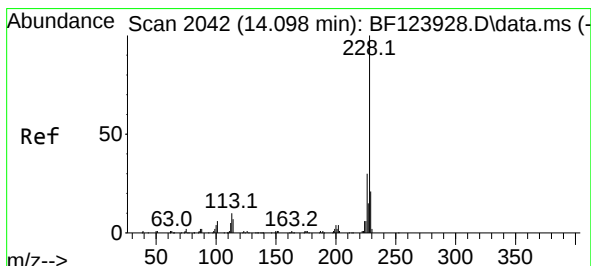
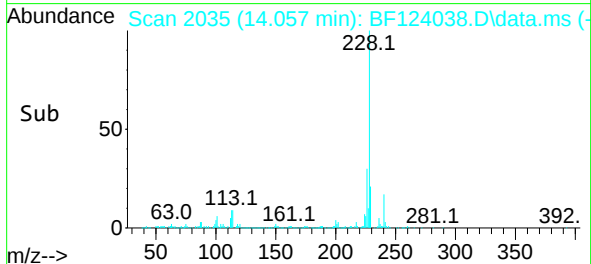
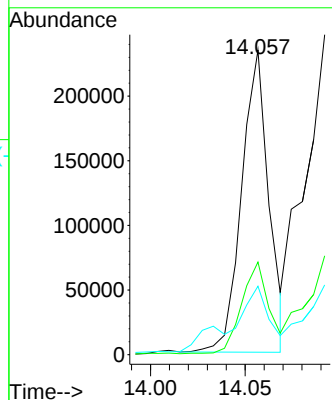
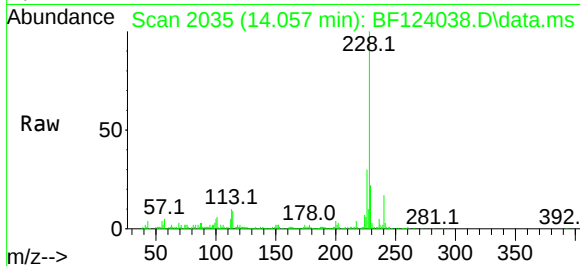




#81
Benzo(a)anthracene
Concen: 26.02 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.000 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

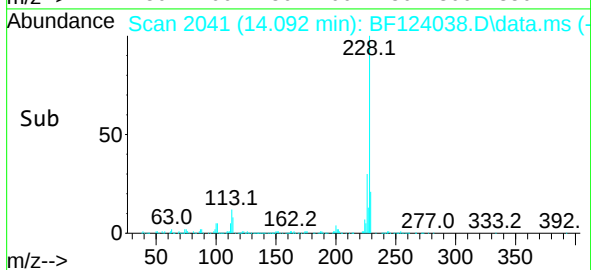
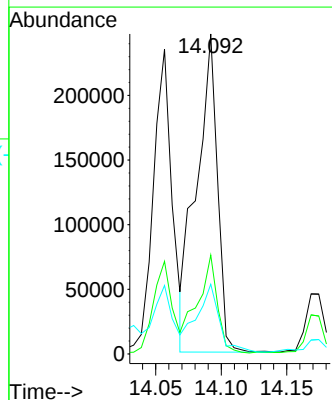
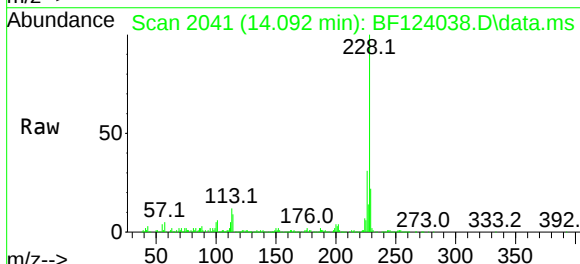
Instrument :
BNA_F
ClientSampled :
359

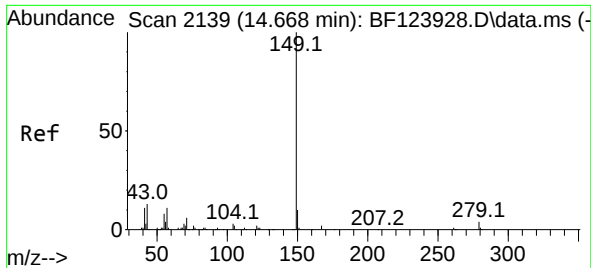
Tgt Ion:228 Resp: 232664
Ion Ratio Lower Upper
228 100
226 30.4 22.4 33.6
229 22.5 16.0 24.0



#83
Chrysene
Concen: 31.96 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

Tgt Ion:228 Resp: 274832
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 21.8 16.2 24.2

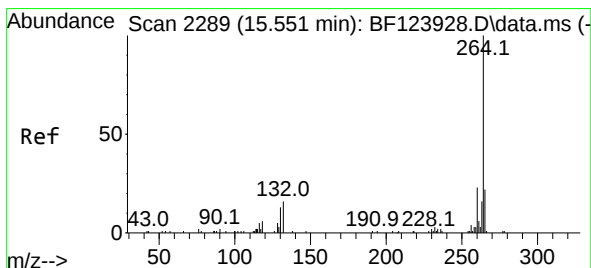
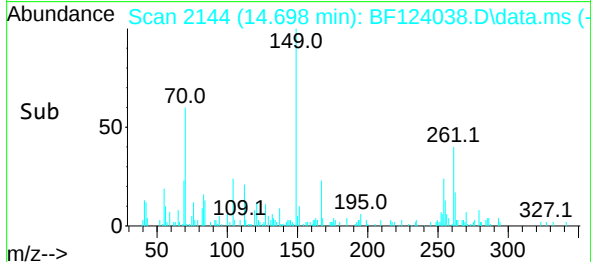
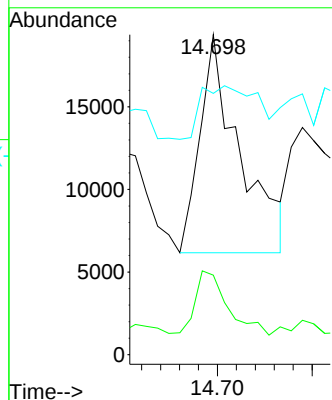
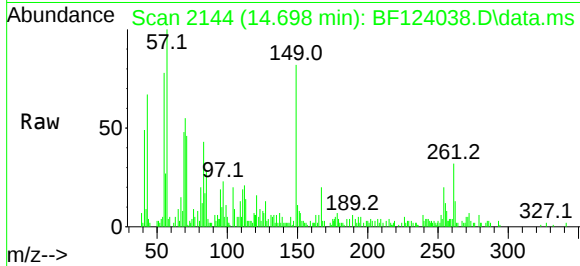




#85
Di-n-octyl phthalate
Concen: 2.09 ng
RT: 14.698 min Scan# 2144
Delta R.T. 0.030 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

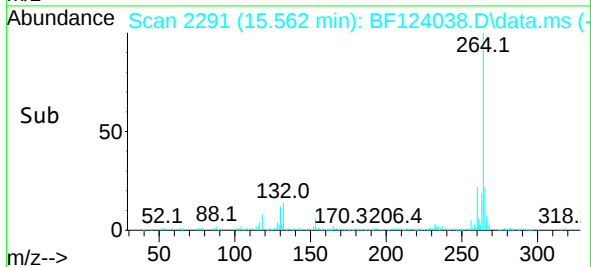
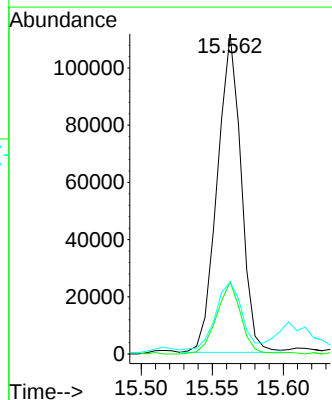
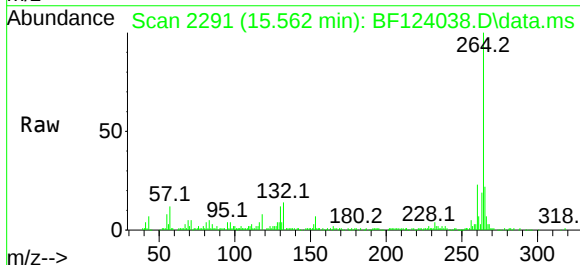
Instrument :
BNA_F
ClientSampled :
359

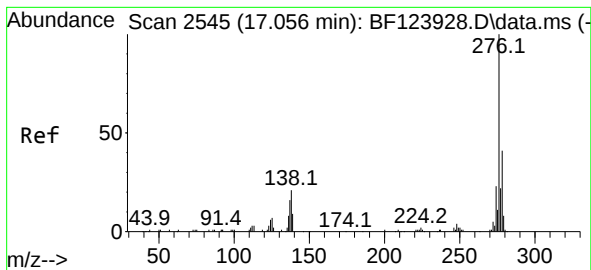
Tgt Ion:149 Resp: 19189
Ion Ratio Lower Upper
149 100
167 24.1 1.2 1.8#
43 37.0 11.8 17.6#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.562 min Scan# 2291
Delta R.T. 0.012 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

Tgt Ion:264 Resp: 129976
Ion Ratio Lower Upper
264 100
260 22.6 18.7 28.1
265 22.5 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.03 ng

RT: 17.062 min Scan# 2546

Delta R.T. 0.006 min

Lab File: BF124038.D

Acq: 24 May 2021 15:35

Tgt Ion:276 Resp: 130777

Ion Ratio Lower Upper

276 100

138 21.1 16.2 24.2

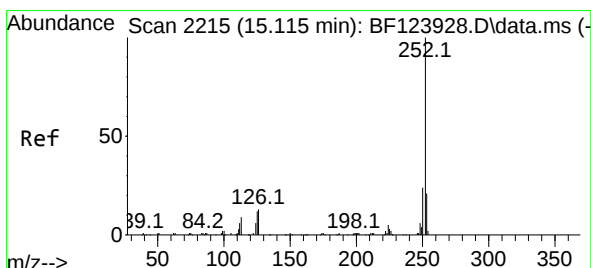
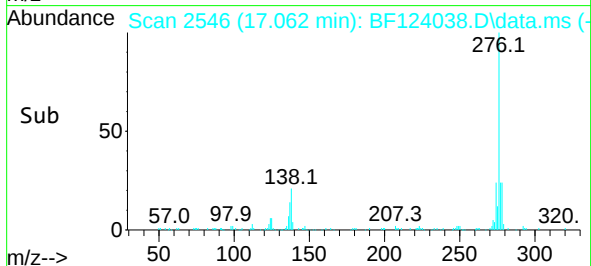
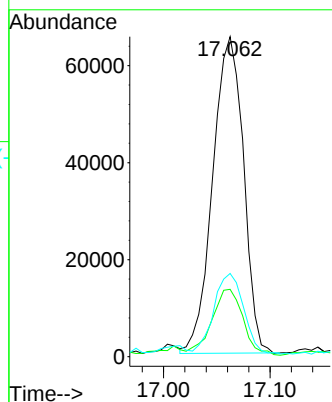
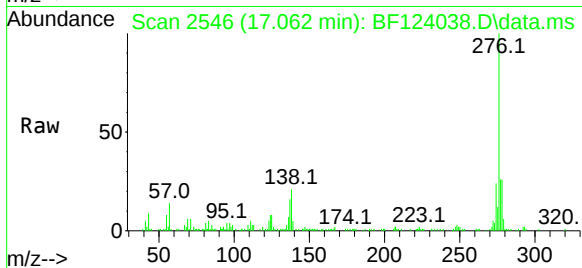
277 24.8 20.1 30.1

Instrument :

BNA_F

ClientSampled :

359



#88

Benzo(b)fluoranthene

Concen: 74.98 ng

RT: 15.127 min Scan# 2217

Delta R.T. 0.012 min

Lab File: BF124038.D

Acq: 24 May 2021 15:35

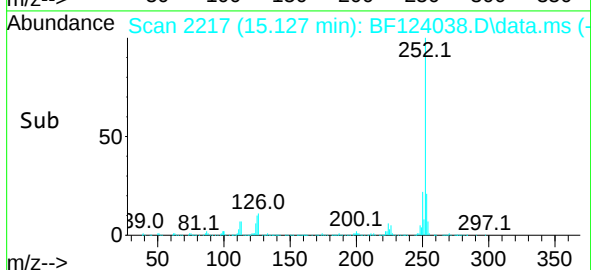
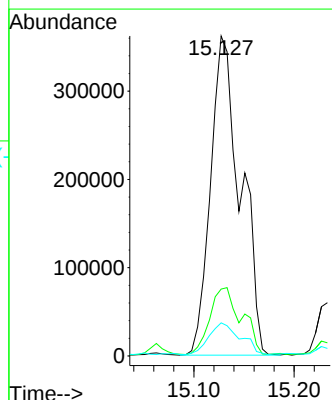
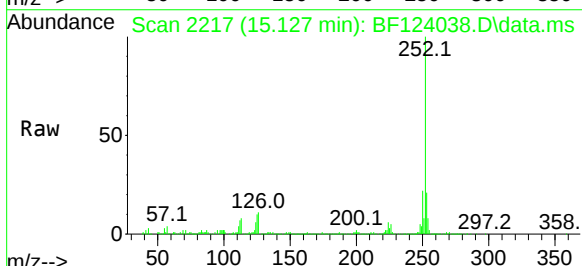
Tgt Ion:252 Resp: 753926

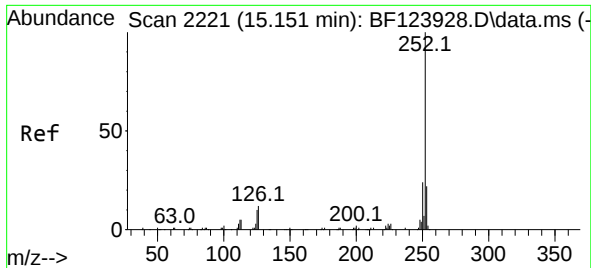
Ion Ratio Lower Upper

252 100

253 20.9 18.1 27.1

125 10.4 6.2 9.4#

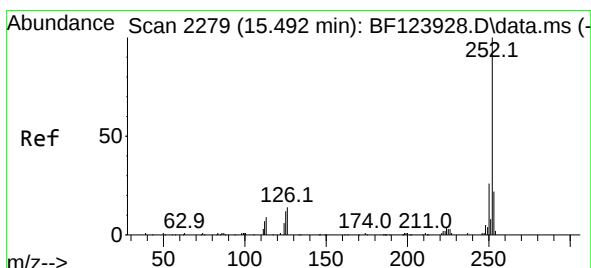
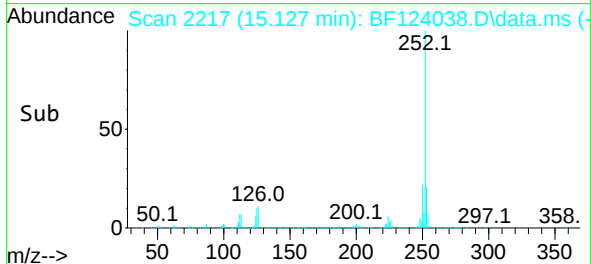
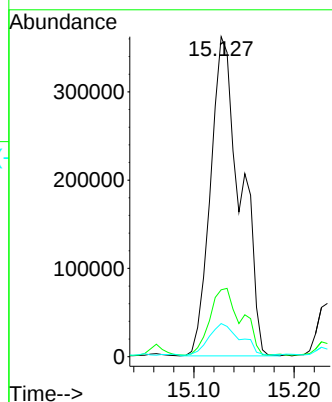
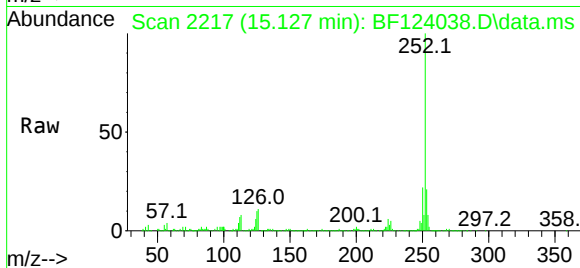




#89
Benzo(k)fluoranthene
Concen: 82.28 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.023 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

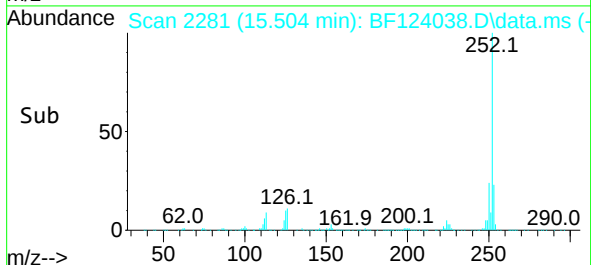
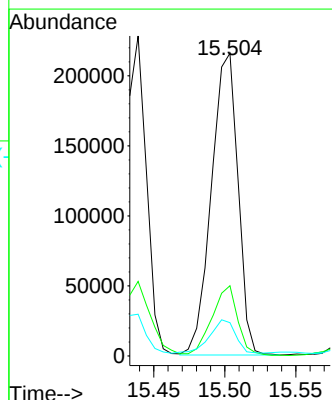
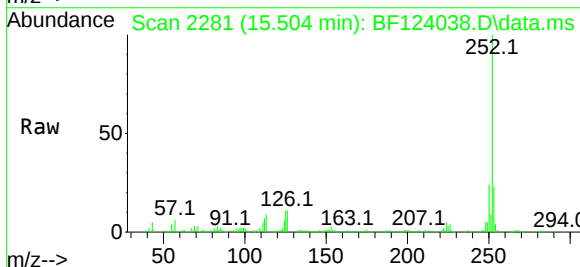
Instrument :
BNA_F
ClientSampleId :
359

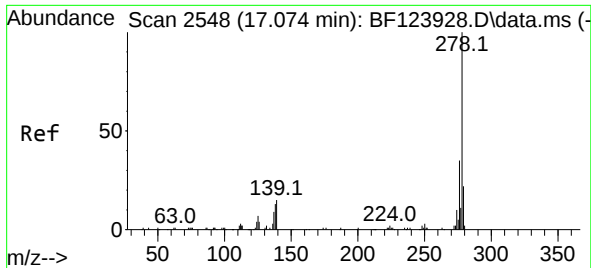
Tgt Ion:252 Resp: 753926
Ion Ratio Lower Upper
252 100
253 20.9 17.9 26.9
125 10.4 7.0 10.6



#90
Benzo(a)pyrene
Concen: 32.28 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

Tgt Ion:252 Resp: 280596
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 11.0 8.0 12.0

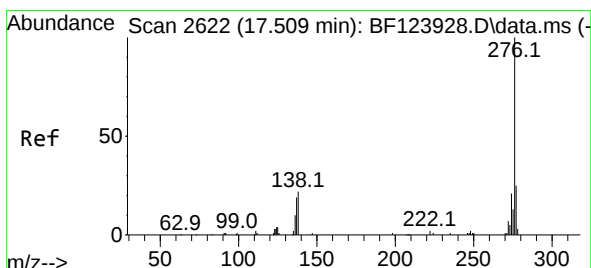
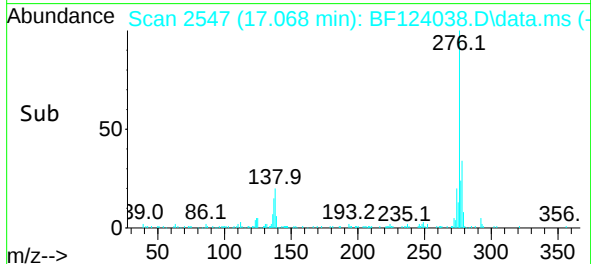
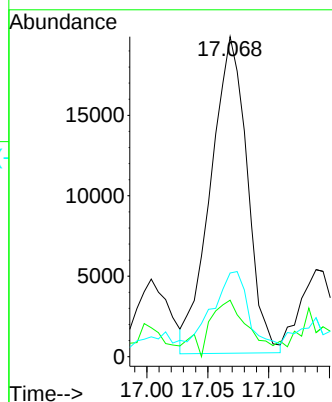
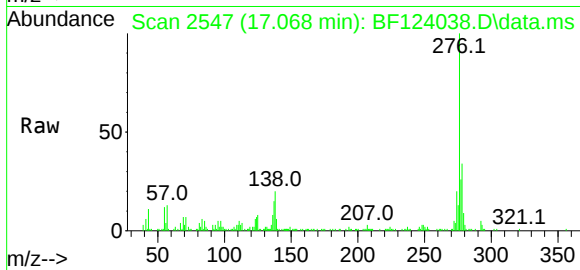




#91
Dibenzo(a,h)anthracene
Concen: 4.86 ng
RT: 17.068 min Scan# 2547
Delta R.T. -0.006 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

Instrument :
BNA_F
ClientSampled :
359

Tgt Ion:278 Resp: 41062
Ion Ratio Lower Upper
278 100
139 17.7 10.2 15.2#
279 26.1 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 12.85 ng
RT: 17.515 min Scan# 2623
Delta R.T. 0.006 min
Lab File: BF124038.D
Acq: 24 May 2021 15:35

Tgt Ion:276 Resp: 108923
Ion Ratio Lower Upper
276 100
277 23.0 18.2 27.2
138 20.8 13.8 20.6#

