

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052621\
 Data File : BF124079.D
 Acq On : 26 May 2021 23:25
 Operator : JU/CG
 Sample : M2535-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHOST-5

Quant Time: May 27 04:54:48 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)

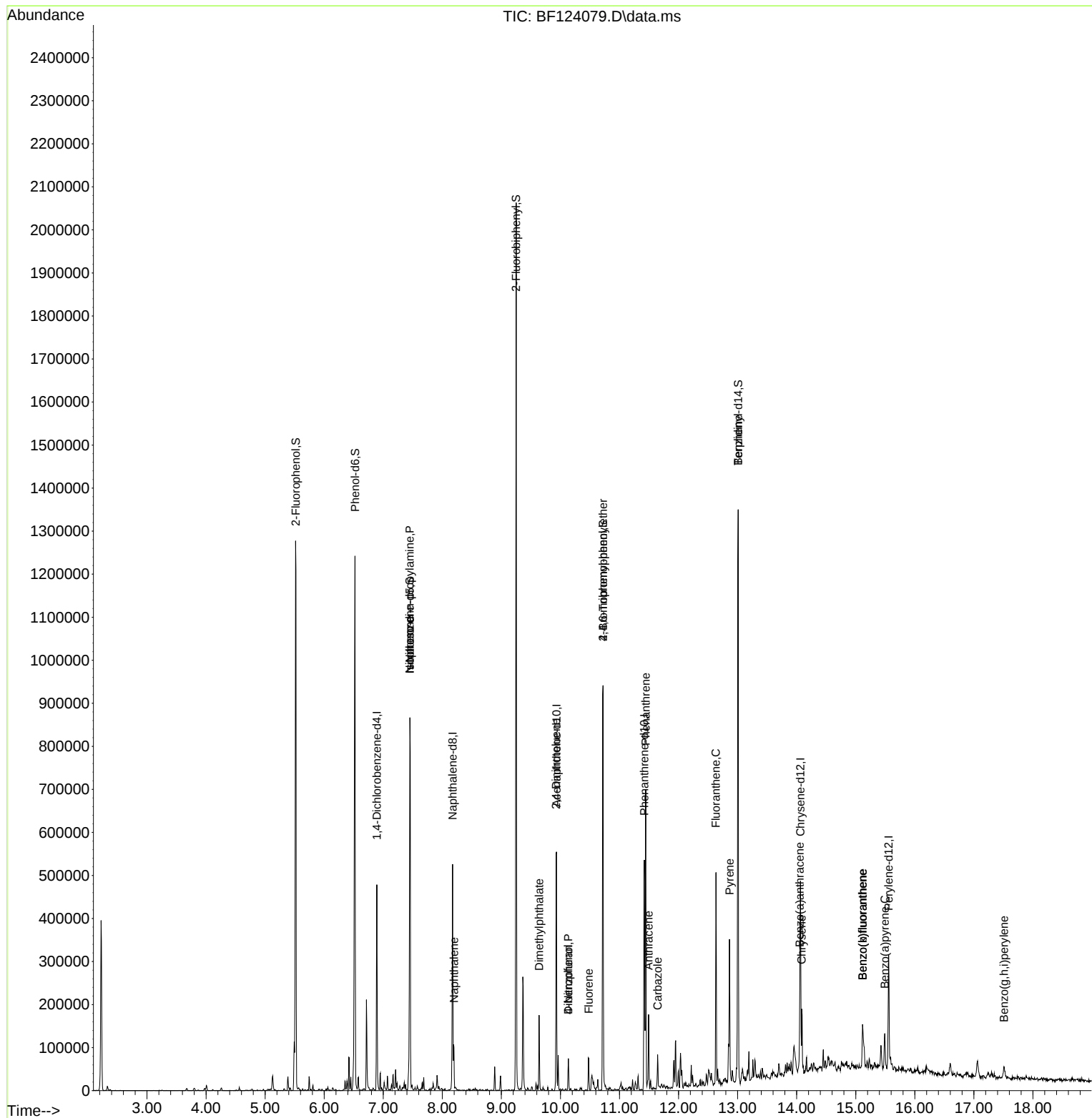
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	53813	20.00	ng	-0.01
21) Naphthalene-d8	8.175	136	198084	20.00	ng	-0.01
39) Acenaphthene-d10	9.933	164	109970	20.00	ng	-0.01
64) Phenanthrene-d10	11.421	188	188046	20.00	ng	0.00
76) Chrysene-d12	14.062	240	111753	20.00	ng	0.00
86) Perylene-d12	15.556	264	106102	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	299002	78.01	ng	0.01
7) Phenol-d6	6.522	99	373010	75.02	ng	0.00
23) Nitrobenzene-d5	7.451	82	291449	63.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	103786	78.58	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	511762	57.27	ng	-0.01
79) Terphenyl-d14	13.010	244	409843	55.54	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	41640	12.39	ng	# 82
25) Isophorone	7.451	82	291446	32.95	ng	# 69
31) Naphthalene	8.198	128	35148	3.00	ng	98
50) Dimethylphthalate	9.639	163	56416	6.42	ng	97
55) Dibenzofuran	10.133	168	23188	2.07	ng	# 90
56) 4-Nitrophenol	10.133	139	10594	7.26	ng	# 1
57) 2,4-Dinitrotoluene	9.927	165	13962	6.41	ng	# 19
58) Fluorene	10.480	166	19205	2.28	ng	97
67) 4-Bromophenyl-phenylether	10.722	248	7103	2.87	ng	# 1
71) Phenanthrene	11.445	178	215263	18.06	ng	98
72) Anthracene	11.492	178	54192	4.49	ng	99
73) Carbazole	11.645	167	23589	2.23	ng	# 89
75) Fluoranthene	12.633	202	163345	13.24	ng	98
77) Benzidine	13.010	184	7640	2.83	ng	# 91
78) Pyrene	12.863	202	120273	12.12	ng	97
81) Benzo(a)anthracene	14.051	228	57979	7.17	ng	94
83) Chrysene	14.086	228	48887	6.29	ng	96
88) Benzo(b)fluoranthene	15.115	252	71601	8.72	ng	# 95
89) Benzo(k)fluoranthene	15.115	252	71601	9.57	ng	# 96
90) Benzo(a)pyrene	15.492	252	37352	5.26	ng	97
92) Benzo(g,h,i)perylene	17.509	276	18271	2.64	ng	# 91

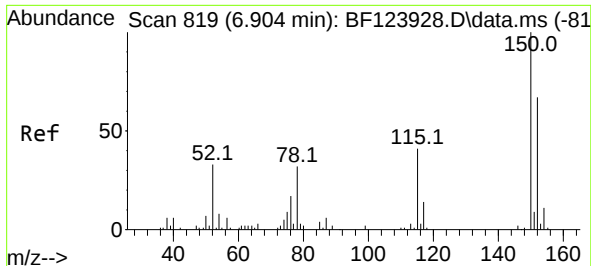
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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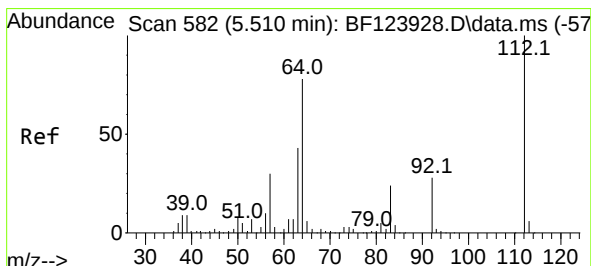
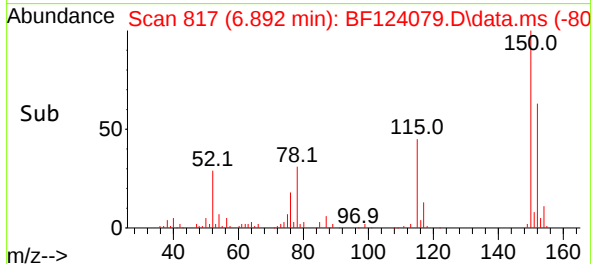
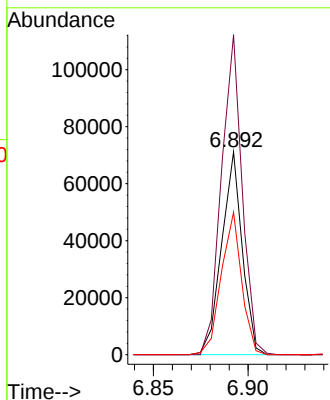
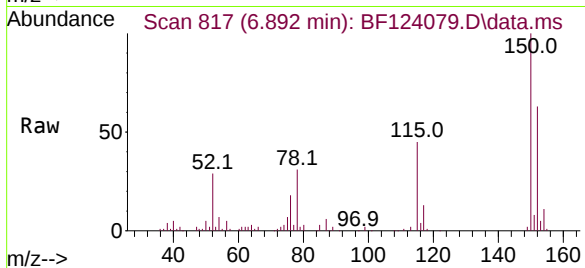




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

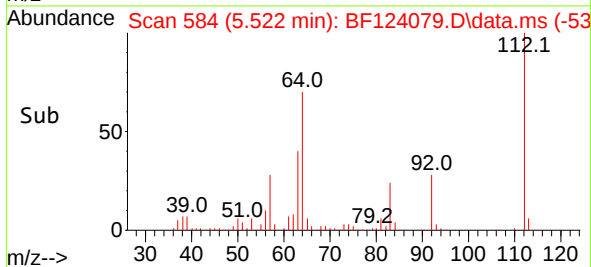
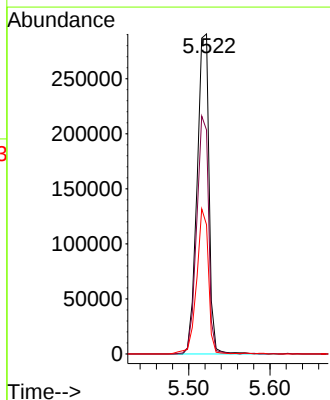
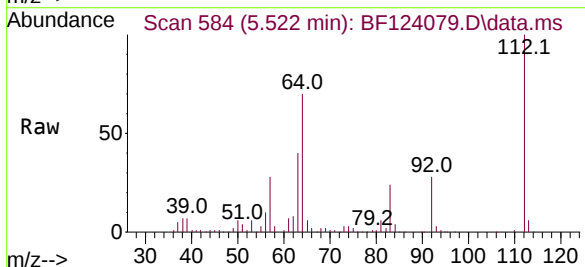
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BNA_F
ClientSampleId :
GHOST-5

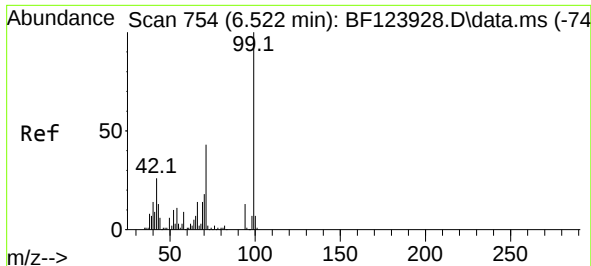
Tgt Ion:152 Resp: 53813
Ion Ratio Lower Upper
152 100
150 157.7 127.0 190.6
115 70.2 54.3 81.5



#5
2-Fluorophenol
Concen: 78.01 ng
RT: 5.522 min Scan# 584
Delta R.T. 0.012 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

Tgt Ion:112 Resp: 299002
Ion Ratio Lower Upper
112 100
64 70.0 61.4 92.0
63 40.4 33.0 49.4

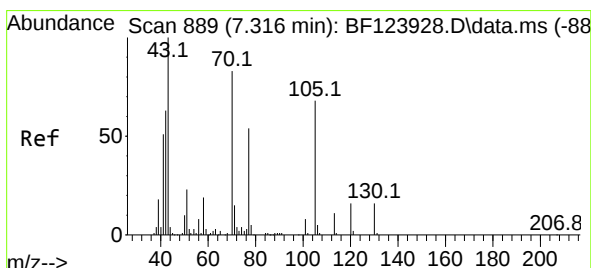
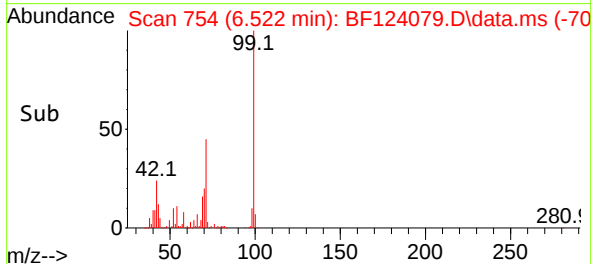
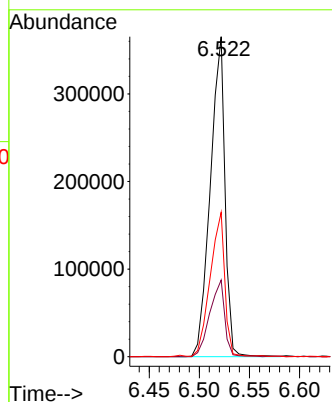
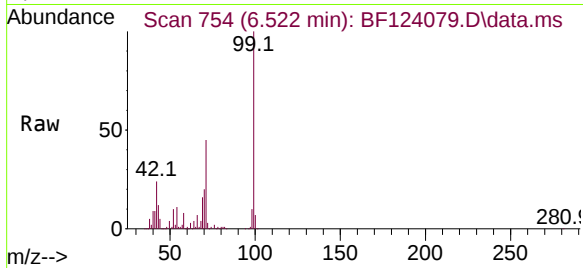




#7
Phenol-d6
Concen: 75.02 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

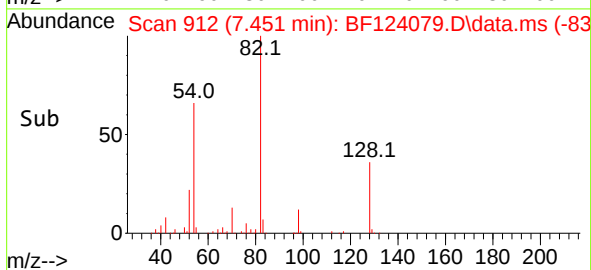
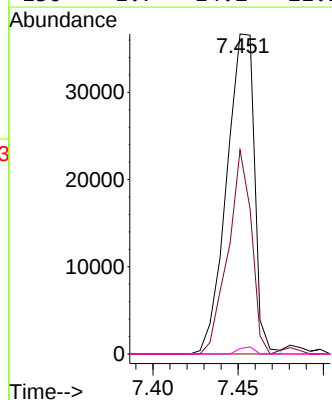
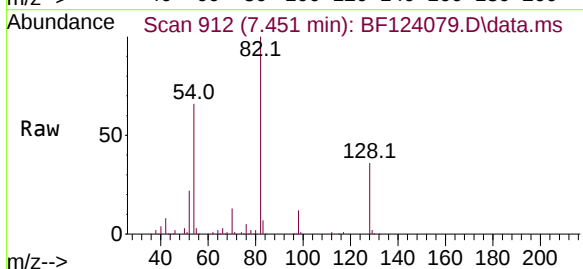
Instrument :
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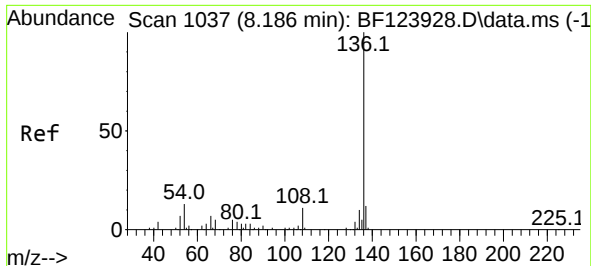
Tgt Ion: 99 Resp: 373010
Ion Ratio Lower Upper
99 100
42 23.9 19.8 29.8
71 45.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.39 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.135 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

Tgt Ion: 70 Resp: 41640
Ion Ratio Lower Upper
70 100
42 63.7 60.1 90.1
101 0.0 7.4 11.2#
130 1.7 14.2 21.2#

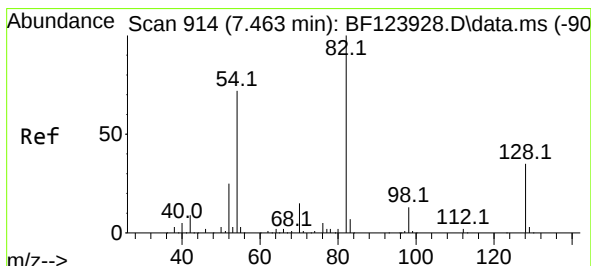
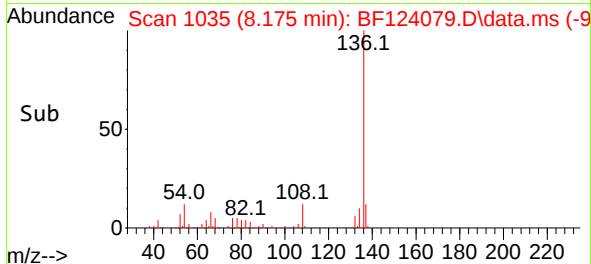
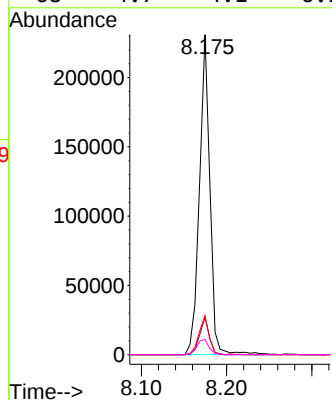
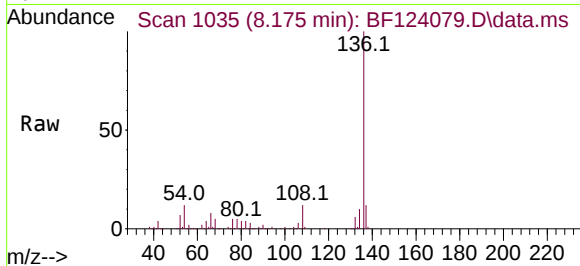




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.011 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

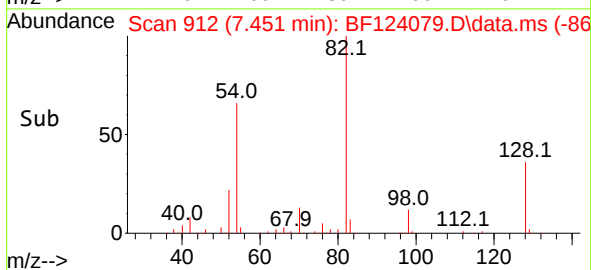
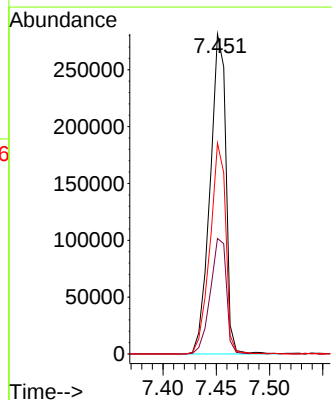
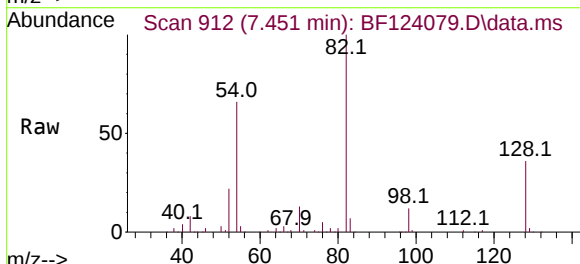
Instrument :
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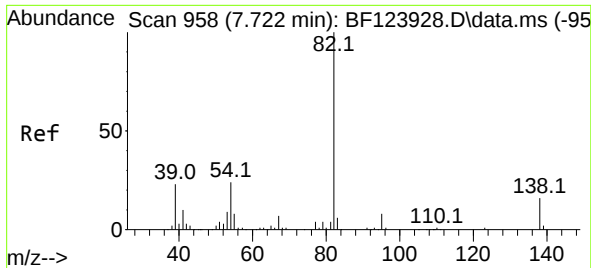
Tgt Ion:	136	Resp:	198084
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.7	13.1
54	12.2	9.8	14.6
68	4.7	4.1	6.1



#23
Nitrobenzene-d5
Concen: 63.39 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

Tgt Ion:	82	Resp:	291449
Ion	Ratio	Lower	Upper
82	100		
128	36.1	29.4	44.2
54	65.9	54.1	81.1

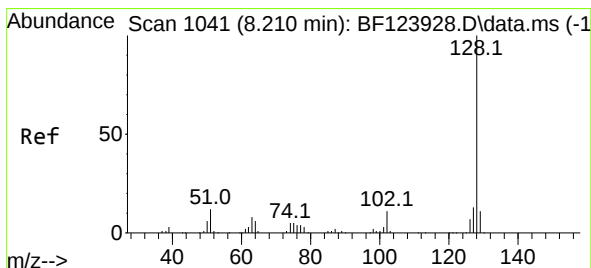
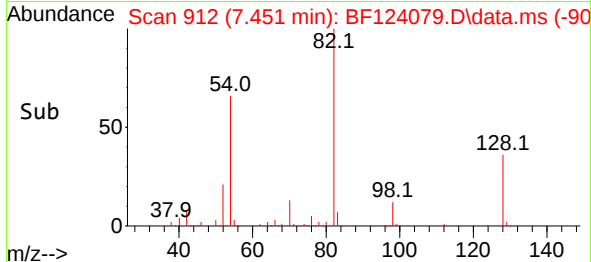
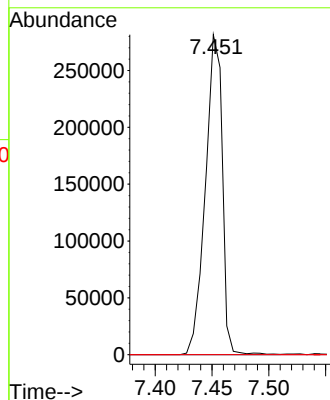
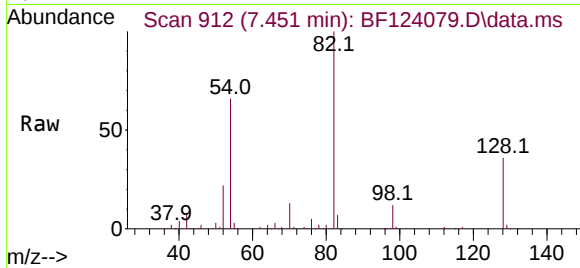




#25
Isophorone
Concen: 32.95 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.271 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

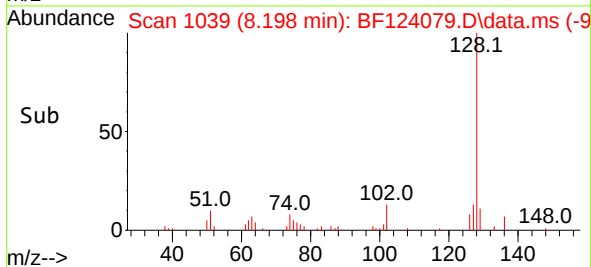
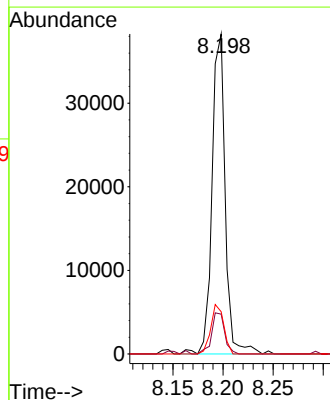
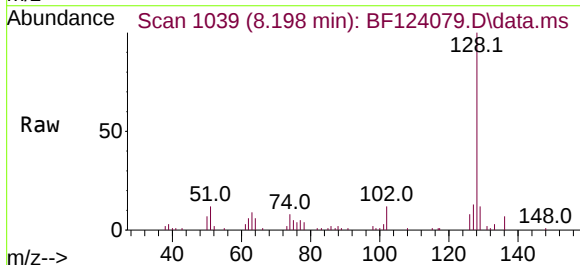
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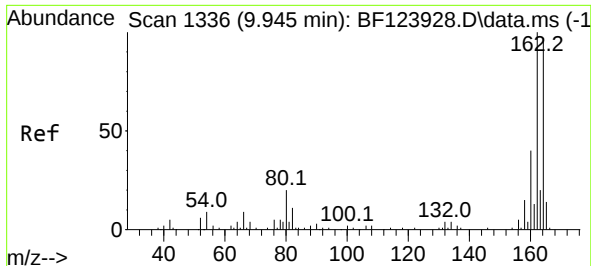
Tgt Ion: 82 Resp: 291446
Ion Ratio Lower Upper
82 100
95 0.3 5.8 8.6#
138 0.0 11.8 17.8#



#31
Naphthalene
Concen: 3.00 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.012 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

Tgt Ion:128 Resp: 35148
Ion Ratio Lower Upper
128 100
129 12.5 8.9 13.3
127 13.2 10.8 16.2

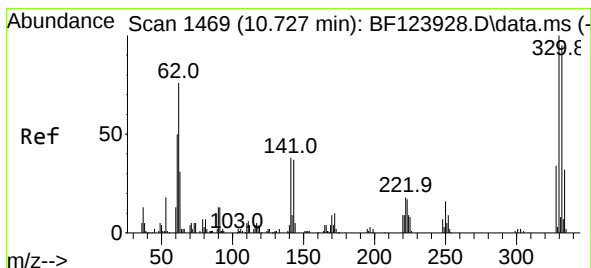
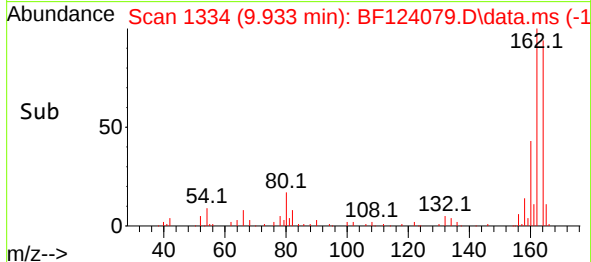
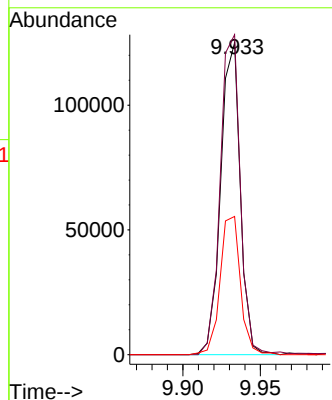
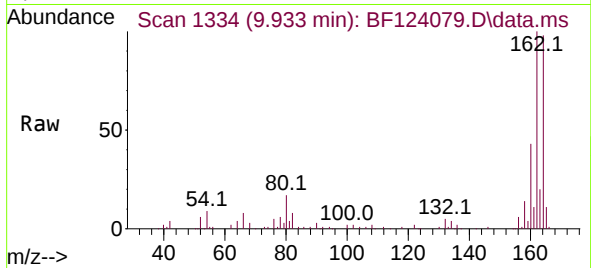




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

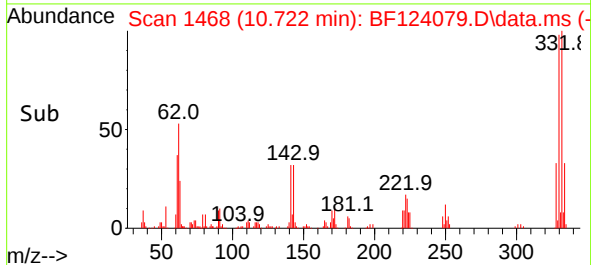
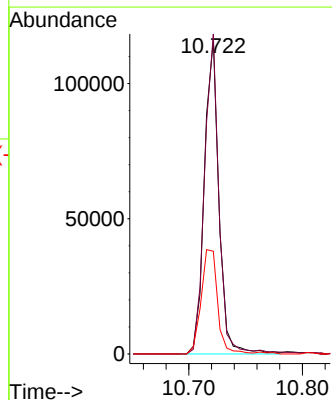
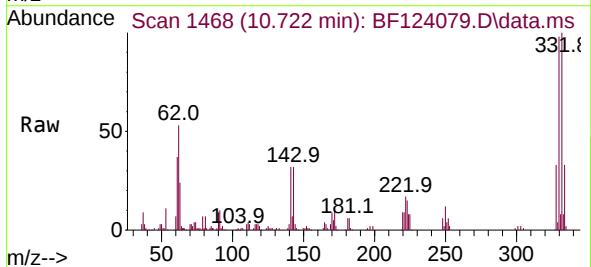
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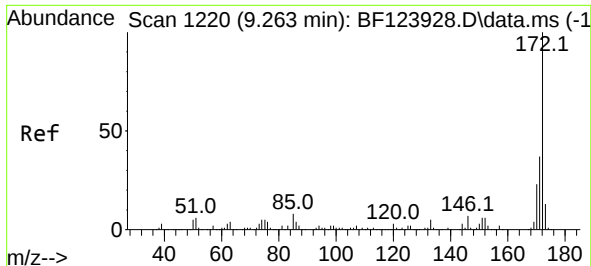
Tgt Ion:164 Resp: 109970
Ion Ratio Lower Upper
164 100
162 102.6 80.7 121.1
160 44.3 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 78.58 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.006 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

Tgt Ion:330 Resp: 103786
Ion Ratio Lower Upper
330 100
332 100.7 77.1 115.7
141 37.4 27.9 41.9

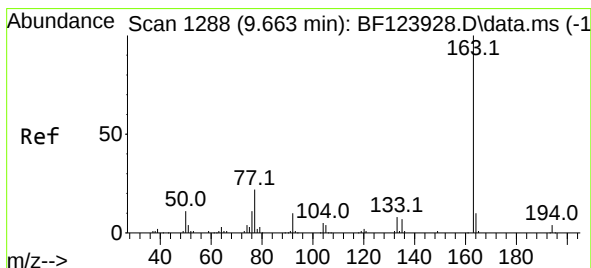
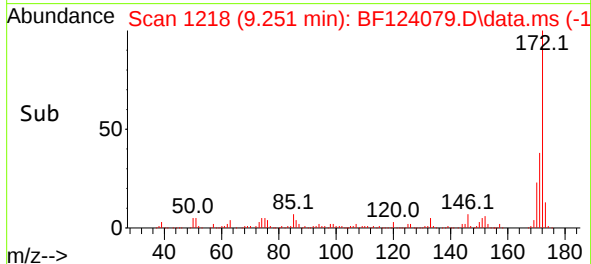
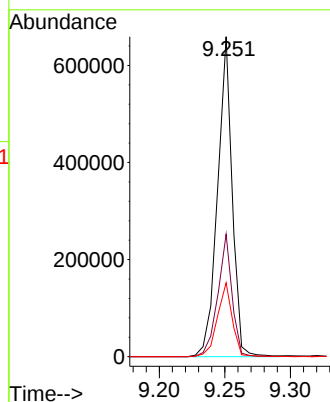
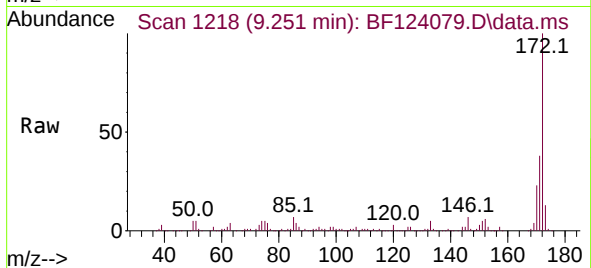




#45
2-Fluorobiphenyl
Concen: 57.27 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

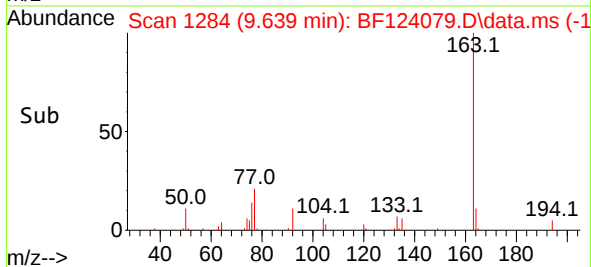
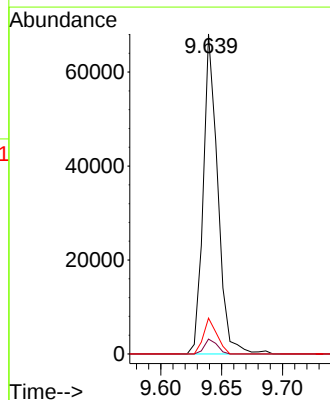
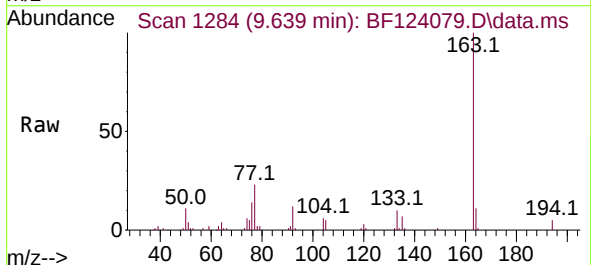
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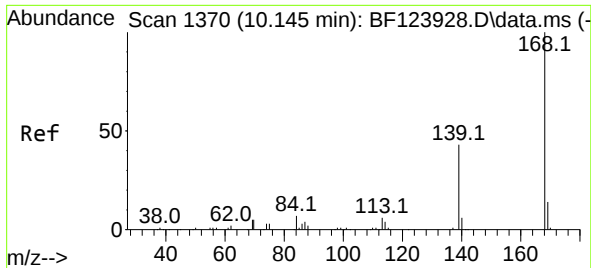
Tgt Ion:172 Resp: 511762
Ion Ratio Lower Upper
172 100
171 38.3 28.1 42.1
170 23.1 19.2 28.8



#50
Dimethylphthalate
Concen: 6.42 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

Tgt Ion:163 Resp: 56416
Ion Ratio Lower Upper
163 100
194 4.6 3.1 4.7
164 11.2 8.2 12.2

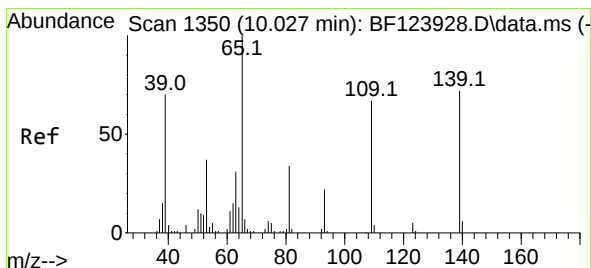
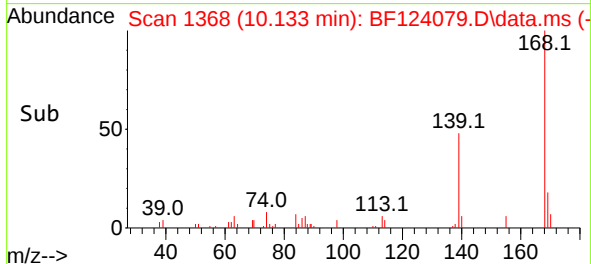
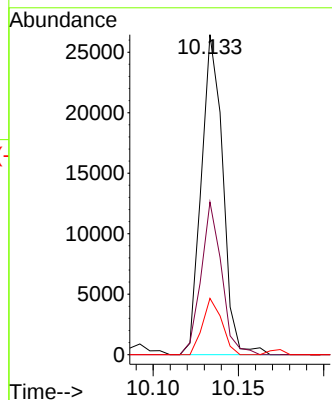
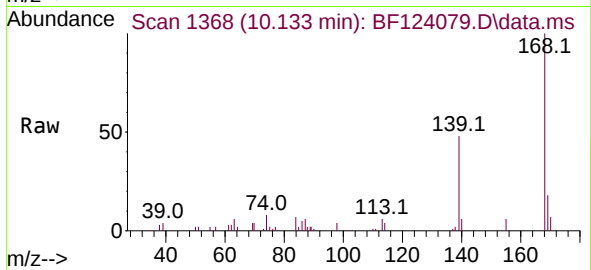




#55
Dibenzofuran
Concen: 2.07 ng
RT: 10.133 min Scan# 1368
Delta R.T. -0.012 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

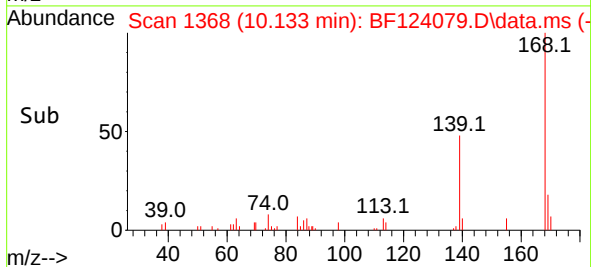
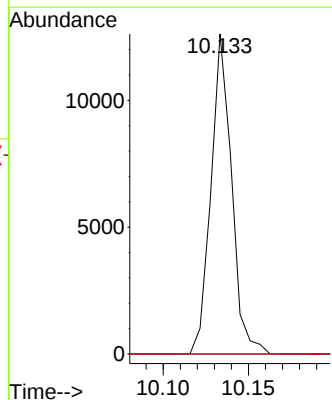
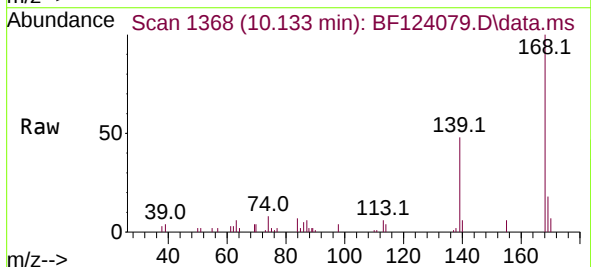
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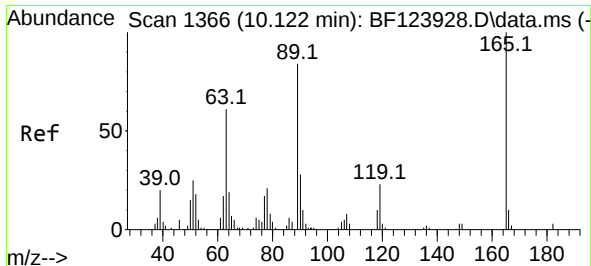
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Ion Ratio Lower Upper
168 100
139 47.7 33.2 49.8
169 17.6 10.8 16.2#



#56
4-Nitrophenol
Concen: 7.26 ng
RT: 10.133 min Scan# 1368
Delta R.T. 0.106 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

Tgt Ion:139 Resp: 10594
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#

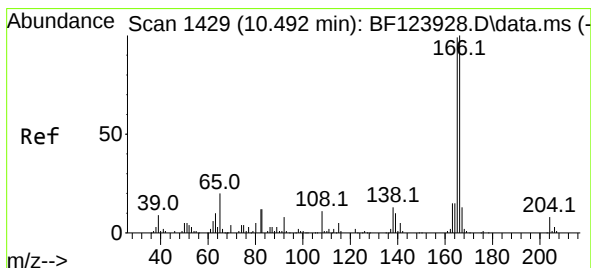
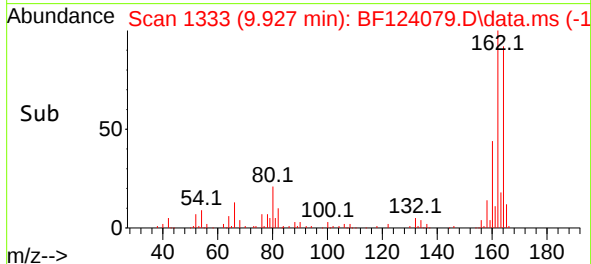
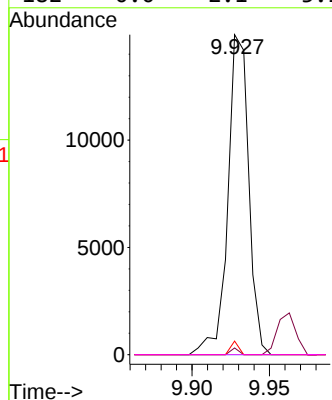
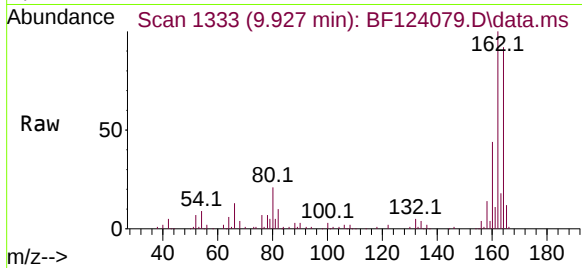




#57
2,4-Dinitrotoluene
Concen: 6.41 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.194 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

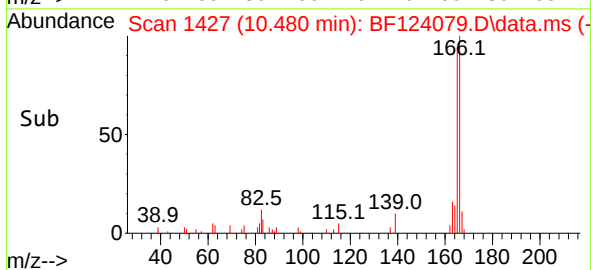
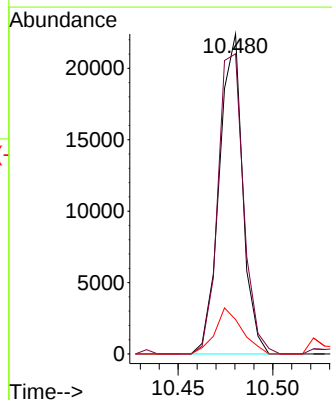
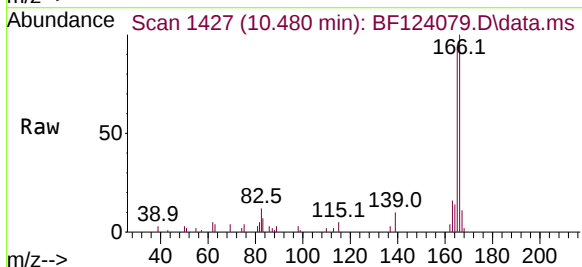
Instrument :
BNA_F
ClientSampleId :
GHOST-5

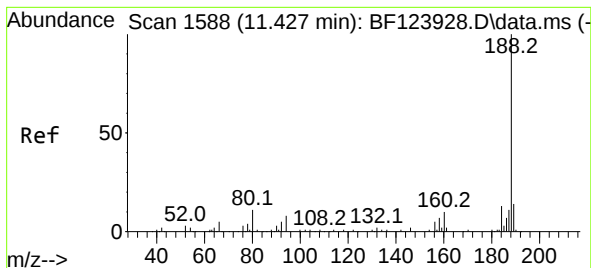
Tgt Ion:165	Resp:	13962
Ion Ratio	Lower	Upper
165	100	
63	2.1	43.5 65.3#
89	4.3	67.7 101.5#
182	0.0	2.1 3.1#



#58
Fluorene
Concen: 2.28 ng
RT: 10.480 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

Tgt Ion:166	Resp:	19205
Ion Ratio	Lower	Upper
166	100	
165	93.8	73.5 110.3
167	10.8	10.7 16.1

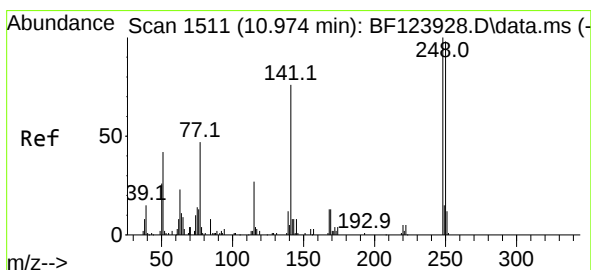
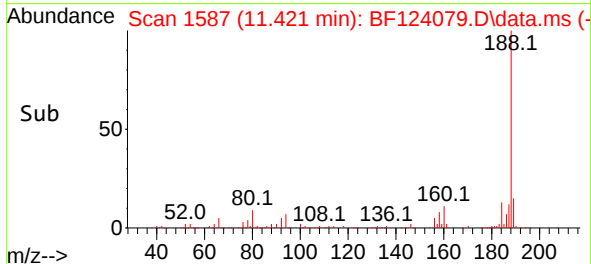
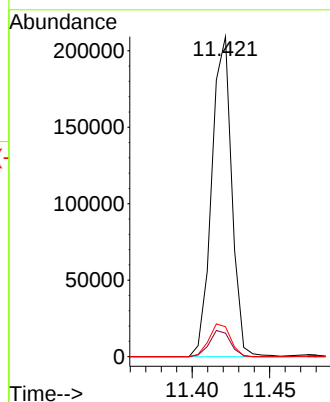
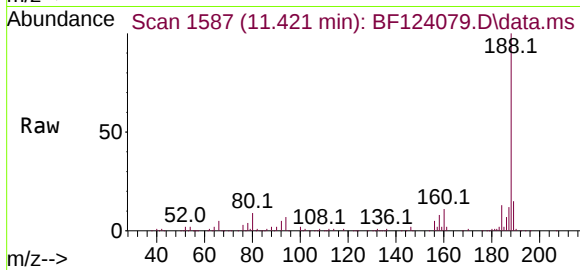




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

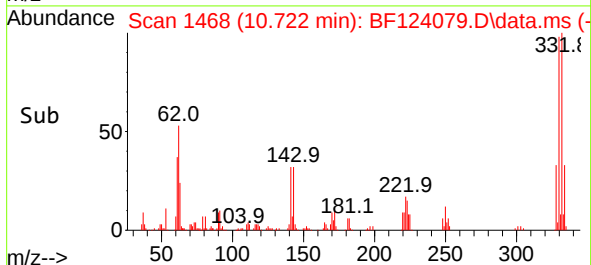
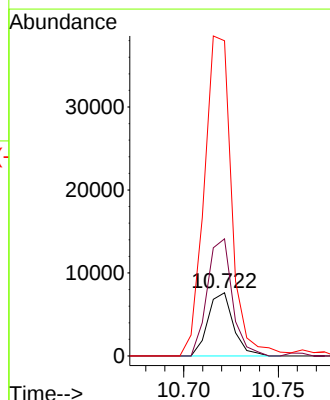
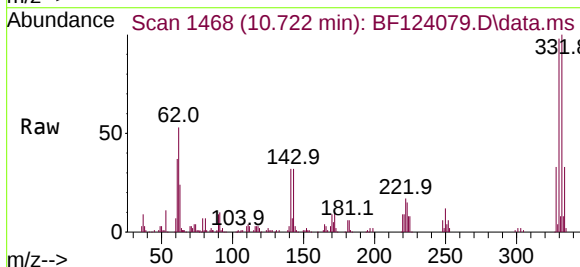
Instrument :
BNA_F
ClientSampleId :
GHOST-5

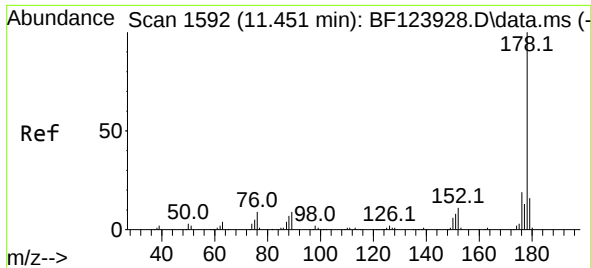
Tgt Ion:188 Resp: 188046
Ion Ratio Lower Upper
188 100
94 7.3 6.9 10.3
80 9.4 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 2.87 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.253 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

Tgt Ion:248 Resp: 7103
Ion Ratio Lower Upper
248 100
250 185.1 77.4 116.2#
141 498.2 63.7 95.5#

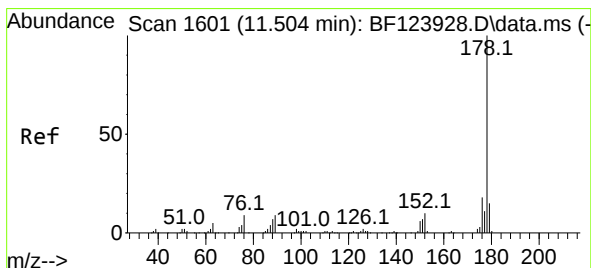
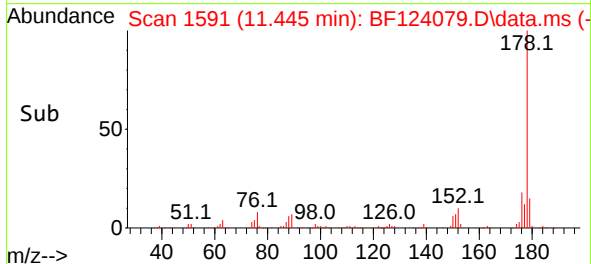
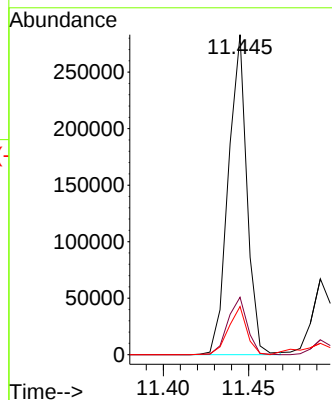
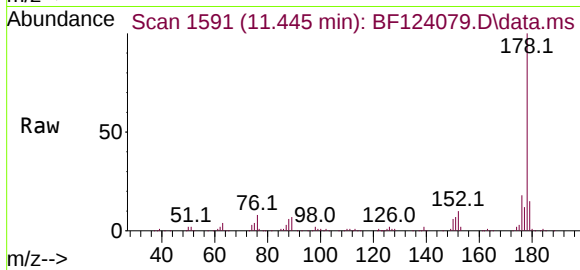




#71
Phenanthrene
Concen: 18.06 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

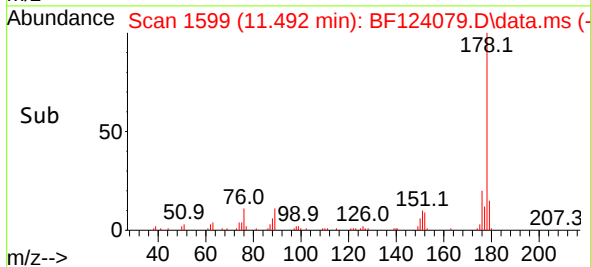
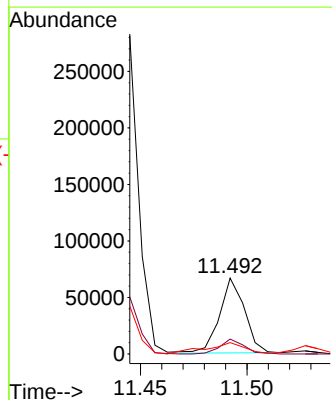
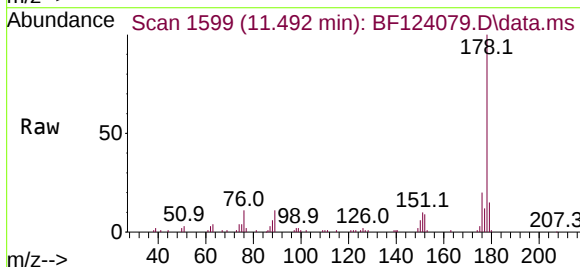
Instrument :
BNA_F
ClientSampleId :
GHOST-5

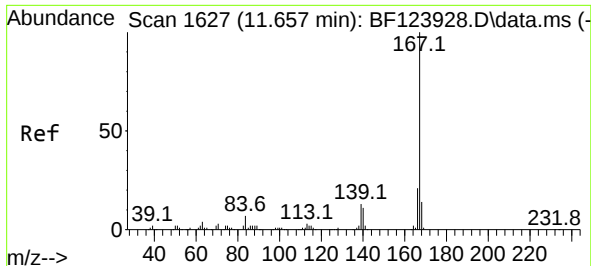
Tgt Ion:178 Resp: 215263
Ion Ratio Lower Upper
178 100
176 18.0 15.6 23.4
179 15.1 12.5 18.7



#72
Anthracene
Concen: 4.49 ng
RT: 11.492 min Scan# 1599
Delta R.T. -0.012 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

Tgt Ion:178 Resp: 54192
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 15.0 12.6 18.8

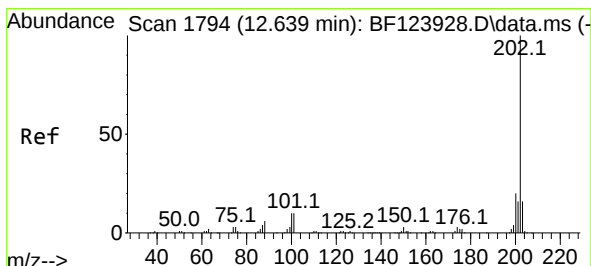
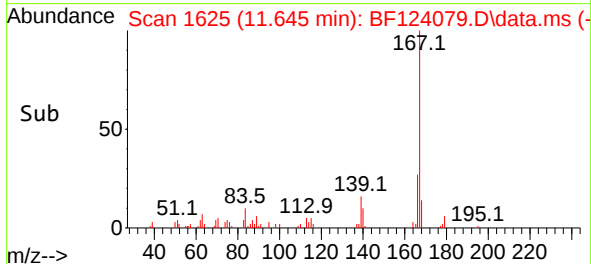
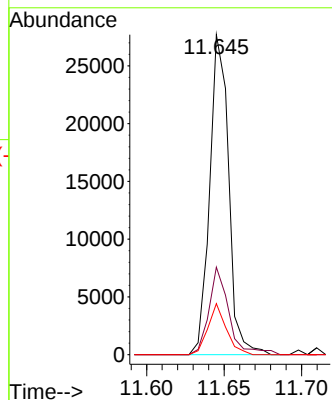
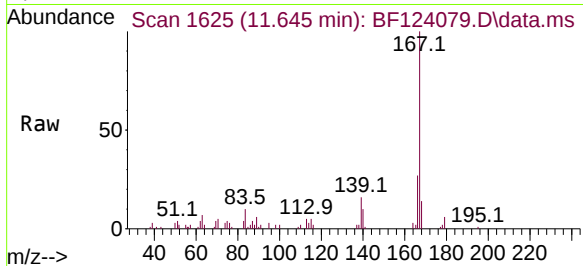




#73
 Carbazole
 Concen: 2.23 ng
 RT: 11.645 min Scan# 1625
 Delta R.T. -0.012 min
 Lab File: BF124079.D
 Acq: 26 May 2021 23:25

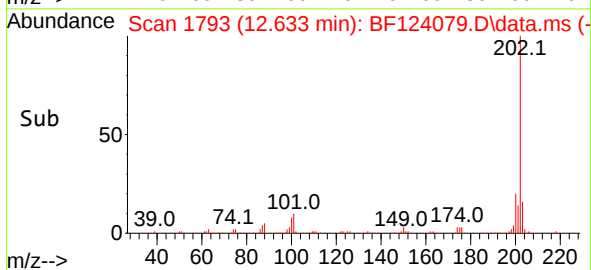
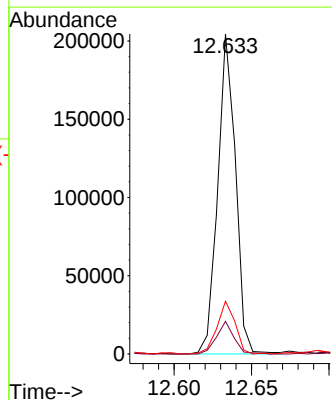
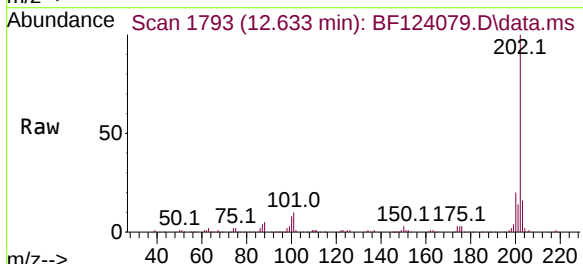
Instrument :
 BNA_F
 ClientSampleId :
 GHOST-5

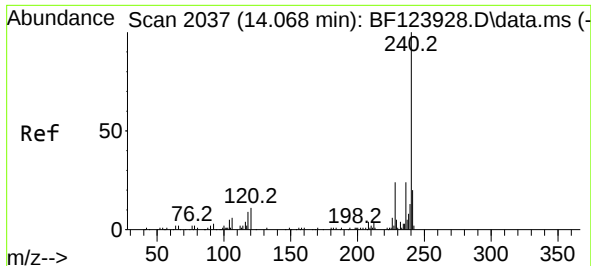
Tgt Ion:167	Resp:	23589
Ion Ratio	Lower	Upper
167	100	
166	27.4	17.0 25.6#
139	16.0	10.4 15.6#



#75
 Fluoranthene
 Concen: 13.24 ng
 RT: 12.633 min Scan# 1793
 Delta R.T. -0.006 min
 Lab File: BF124079.D
 Acq: 26 May 2021 23:25

Tgt Ion:202	Resp:	163345
Ion Ratio	Lower	Upper
202	100	
101	10.2	0.0 30.9
203	16.5	0.0 37.5

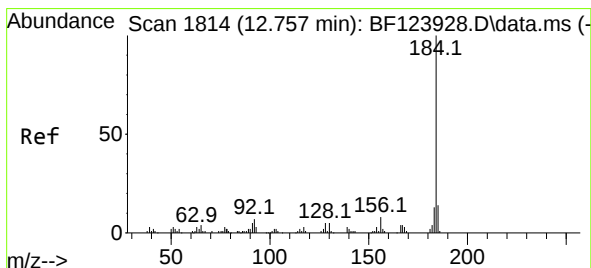
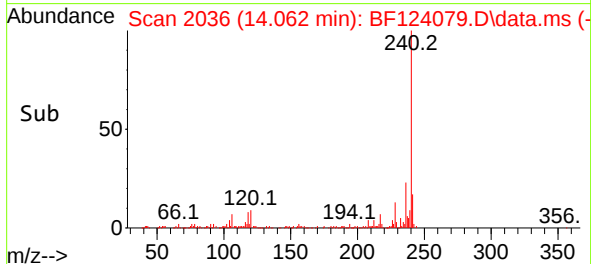
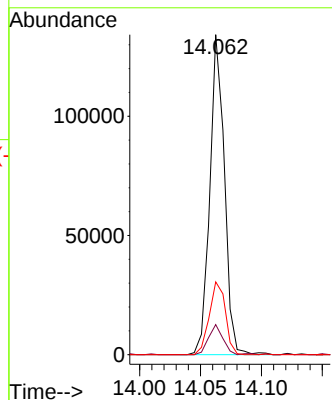
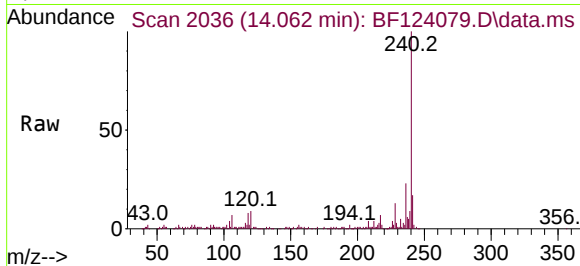




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

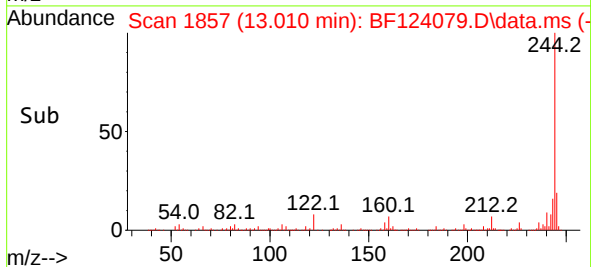
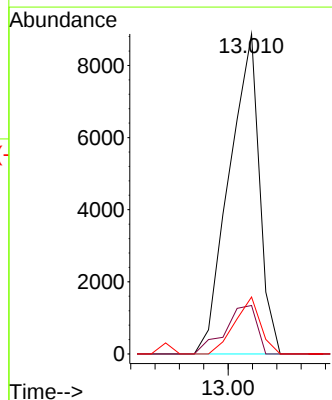
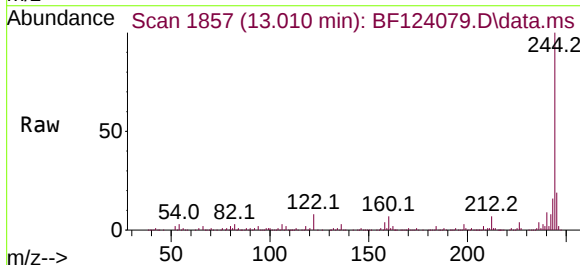
Instrument :
BNA_F
ClientSampleId :
GHOST-5

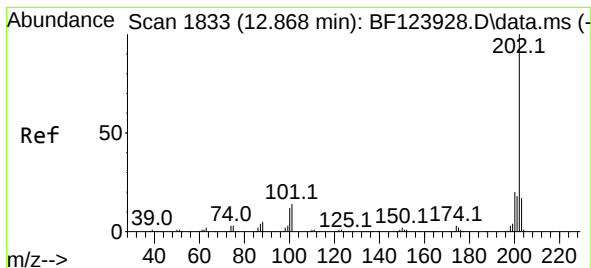
Tgt Ion:240 Resp: 111753
Ion Ratio Lower Upper
240 100
120 9.4 7.2 10.8
236 22.7 19.0 28.4



#77
Benzidine
Concen: 2.83 ng
RT: 13.010 min Scan# 1857
Delta R.T. 0.253 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

Tgt Ion:184 Resp: 7640
Ion Ratio Lower Upper
184 100
185 15.2 12.1 18.1
183 17.8 7.8 11.8#

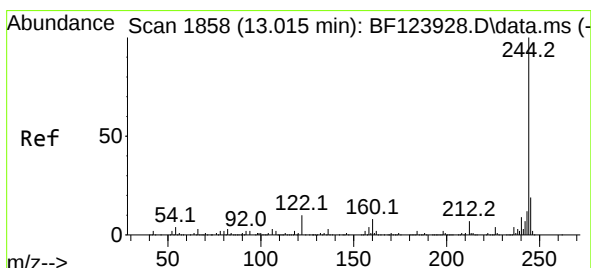
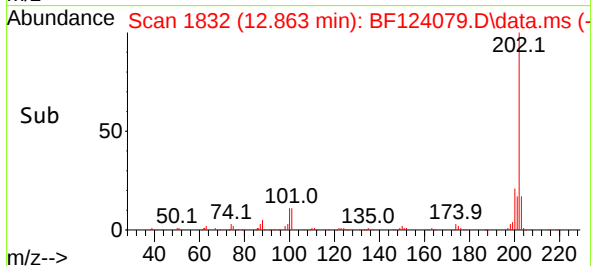
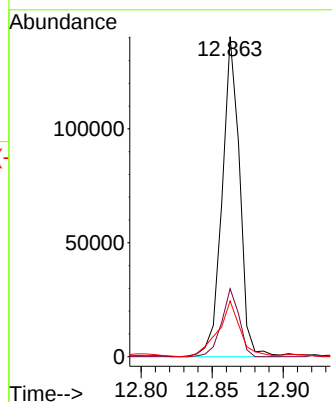
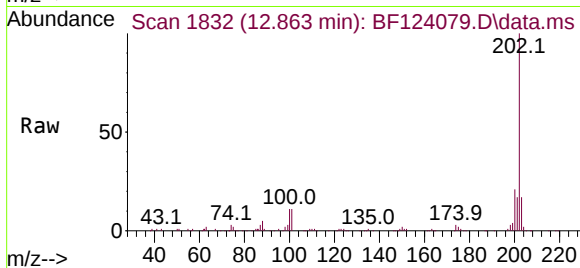




#78
Pyrene
Concen: 12.12 ng
RT: 12.863 min Scan# 1832
Delta R.T. -0.006 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

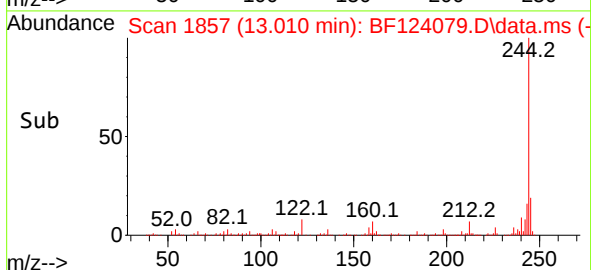
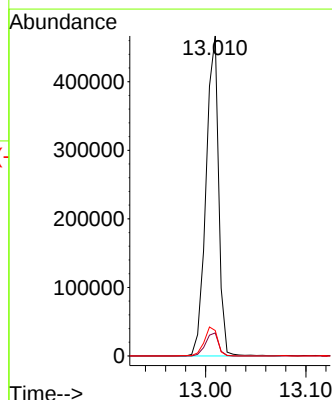
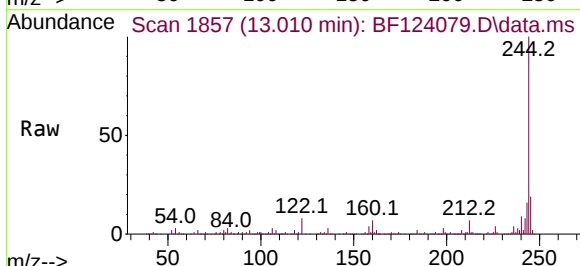
Instrument :
BNA_F
ClientSampled :
GHOST-5

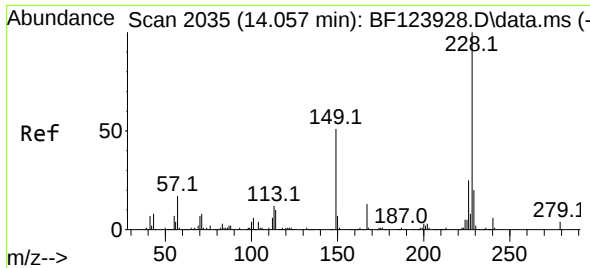
Tgt Ion:202 Resp: 120273
Ion Ratio Lower Upper
202 100
200 21.3 16.1 24.1
203 17.4 14.8 22.2



#79
Terphenyl-d14
Concen: 55.54 ng
RT: 13.010 min Scan# 1857
Delta R.T. -0.006 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

Tgt Ion:244 Resp: 409843
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 8.0 9.7 14.5#

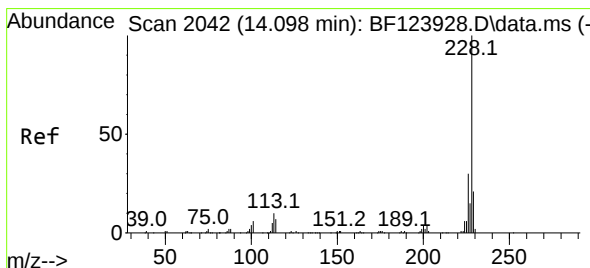
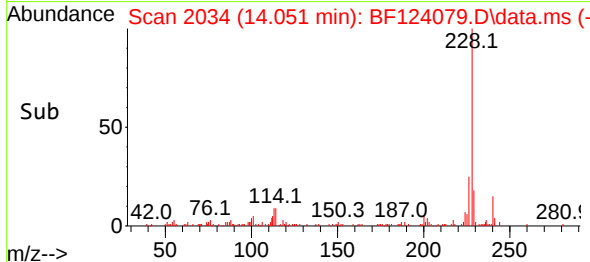
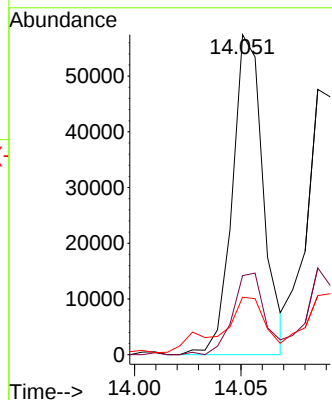
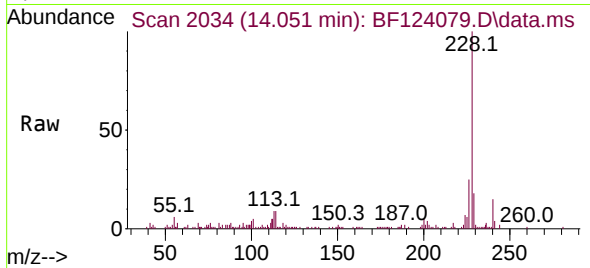




#81
Benzo(a)anthracene
Concen: 7.17 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

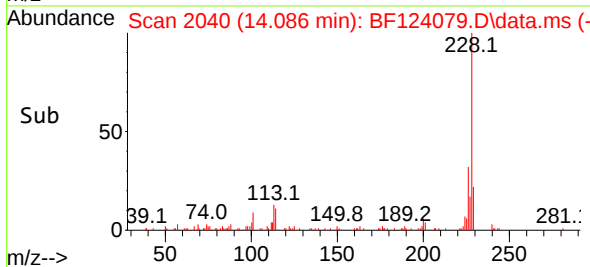
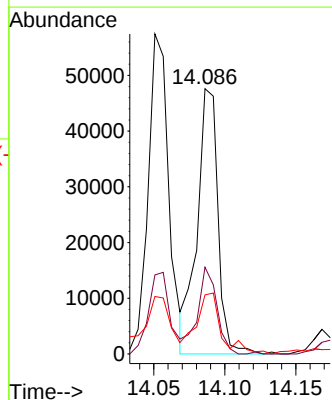
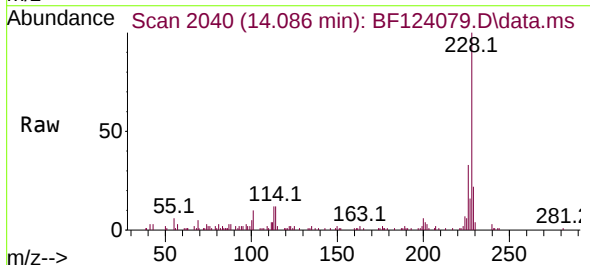
Instrument :
BNA_F
ClientSampleId :
GHOST-5

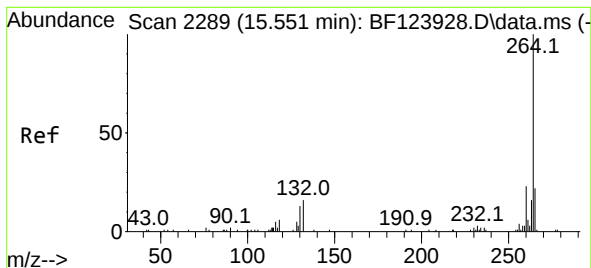
Tgt Ion:228	Resp:	57979
Ion Ratio	Lower	Upper
228	100	
226	24.7	22.4 33.6
229	18.0	16.0 24.0



#83
Chrysene
Concen: 6.29 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.012 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

Tgt Ion:228	Resp:	48887
Ion Ratio	Lower	Upper
228	100	
226	32.7	24.3 36.5
229	22.3	16.2 24.2

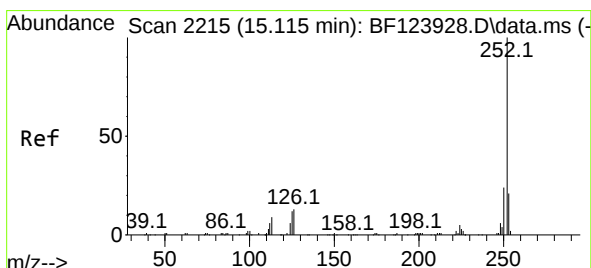
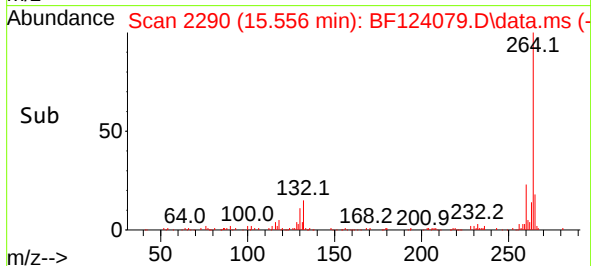
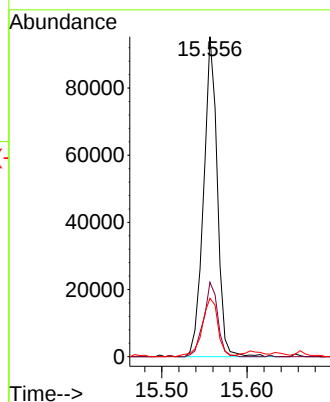
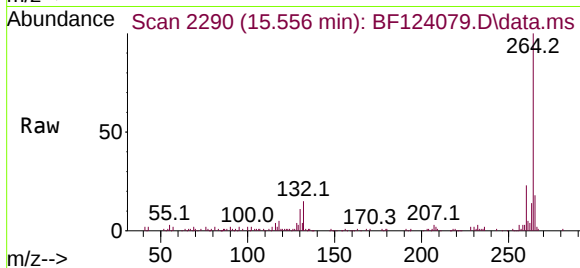




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.556 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

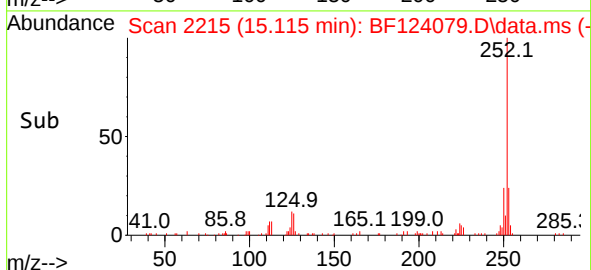
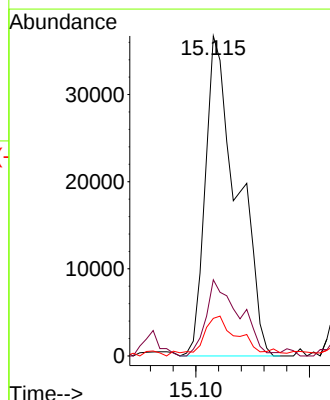
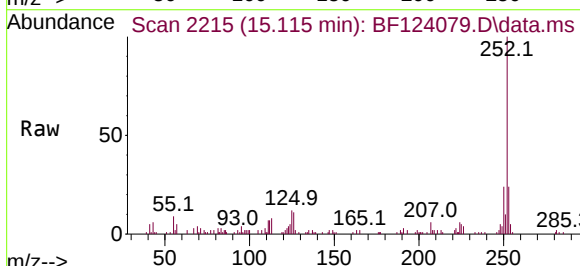
Instrument :
BNA_F
ClientSampleId :
GHOST-5

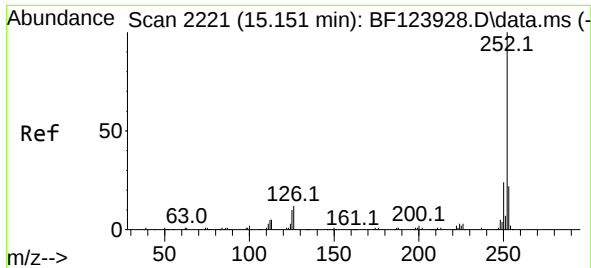
Tgt Ion:264	Resp:	106102
Ion Ratio	Lower	Upper
264	100	
260	23.3	18.7 28.1
265	18.2	17.8 26.8



#88
Benzo(b)fluoranthene
Concen: 8.72 ng
RT: 15.115 min Scan# 2215
Delta R.T. -0.000 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

Tgt Ion:252	Resp:	71601
Ion Ratio	Lower	Upper
252	100	
253	23.8	18.1 27.1
125	11.7	6.2 9.4#

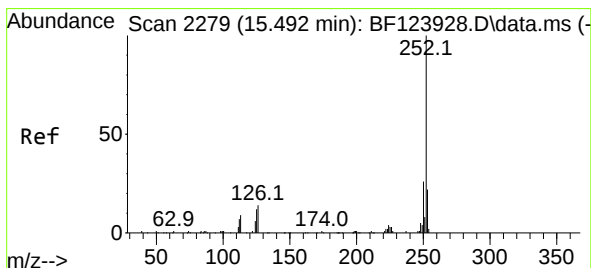
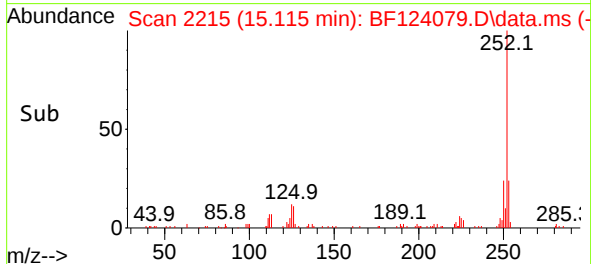
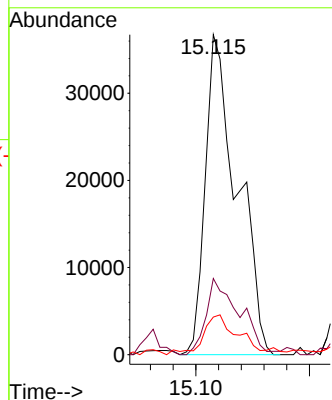
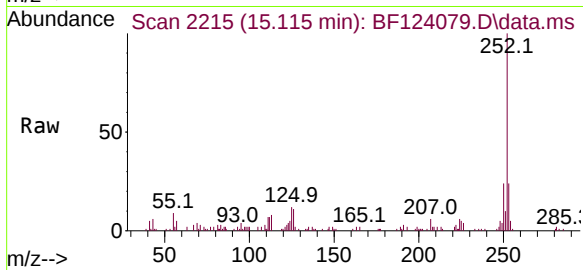




#89
Benzo(k)fluoranthene
Concen: 9.57 ng
RT: 15.115 min Scan# 2215
Delta R.T. -0.035 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

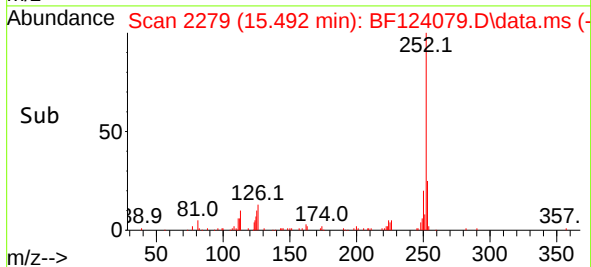
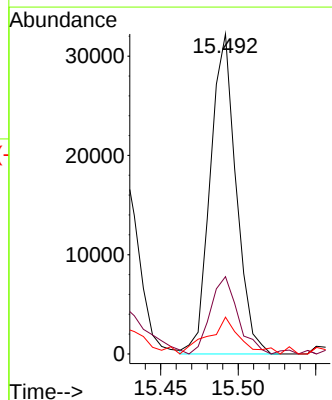
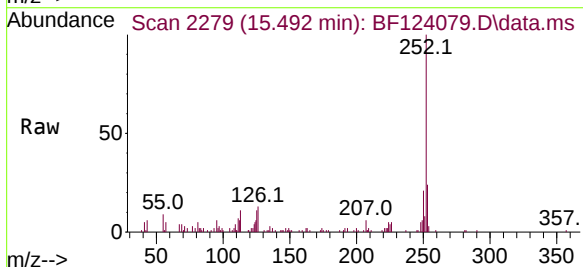
Instrument :
BNA_F
ClientSampleId :
GHOST-5

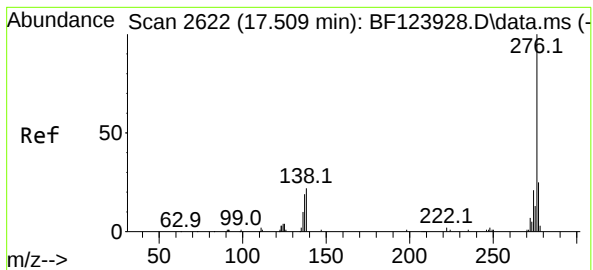
Tgt Ion:252 Resp: 71601
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 11.7 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 5.26 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF124079.D
Acq: 26 May 2021 23:25

Tgt Ion:252 Resp: 37352
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 11.5 8.0 12.0





#92
 Benzo(g,h,i)perylene
 Concen: 2.64 ng
 RT: 17.509 min Scan# 2622
 Delta R.T. -0.000 min
 Lab File: BF124079.D
 Acq: 26 May 2021 23:25

Instrument :
 BNA_F
 ClientSampleId :
 GHOST-5

Tgt Ion:	276	Resp:	18271
Ion Ratio	Lower	Upper	
276	100		
277	22.8	18.2	27.2
138	25.9	13.8	20.6#

