

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
 Data File : BF123944.D
 Acq On : 15 May 2021 14:42
 Operator : JU/CG
 Sample : M2383-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KSB-03(7-9)

Quant Time: May 16 05:19:26 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)

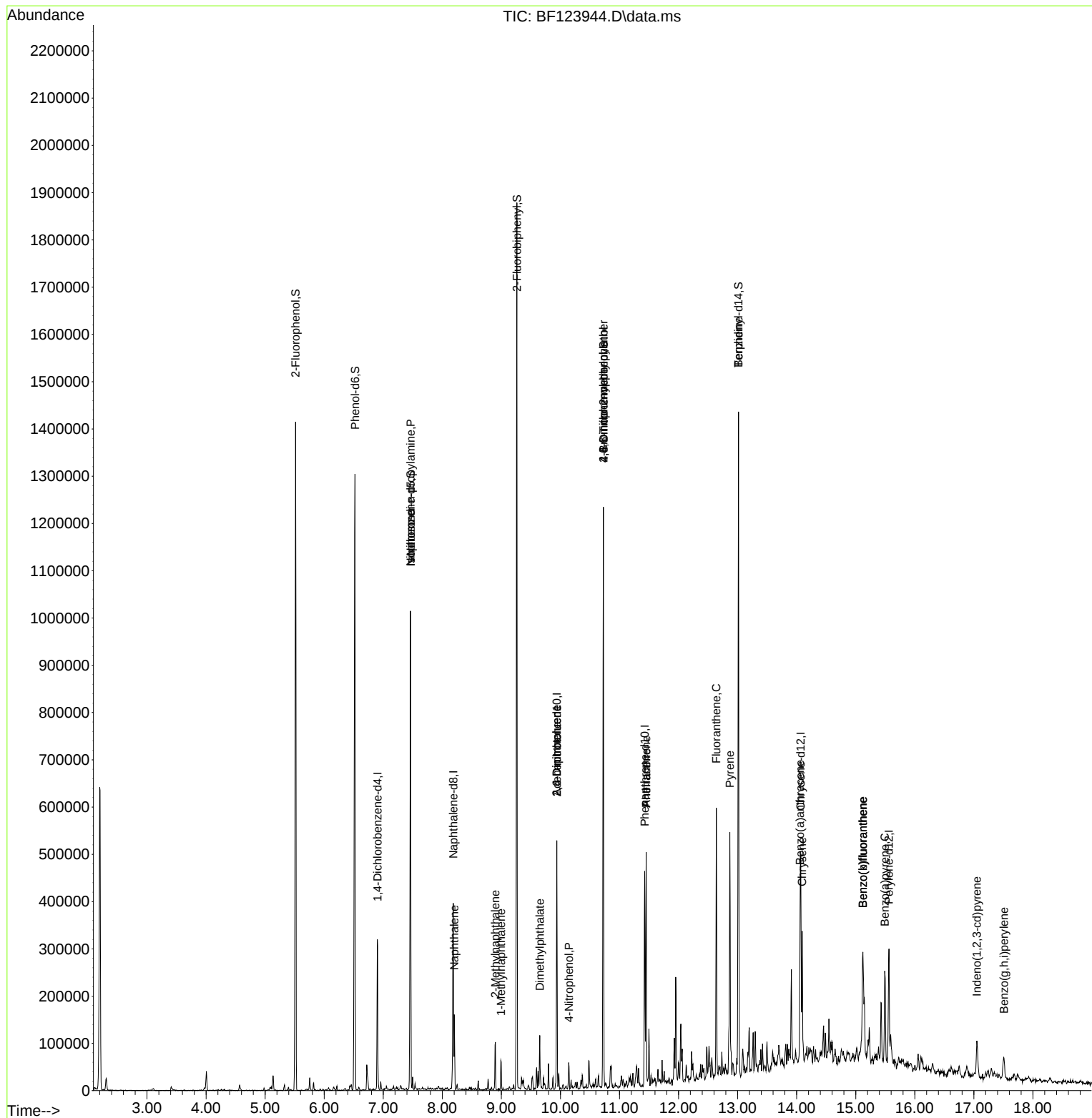
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	38522	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	155711	20.00	ng	0.00
39) Acenaphthene-d10	9.939	164	87553	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	140118	20.00	ng	0.00
76) Chrysene-d12	14.068	240	99282	20.00	ng	0.00
86) Perylene-d12	15.562	264	95592	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	313969	114.43	ng	0.00
7) Phenol-d6	6.522	99	393552	110.57	ng	0.00
23) Nitrobenzene-d5	7.463	82	283883	78.55	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	108935	103.59	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	486465	68.37	ng	0.00
79) Terphenyl-d14	13.016	244	388954	59.34	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	42807	17.80	ng	# 77
25) Isophorone	7.463	82	283874	40.83	ng	# 69
31) Naphthalene	8.204	128	50825	5.52	ng	97
37) 2-Methylnaphthalene	8.898	142	22443	3.59	ng	92
38) 1-Methylnaphthalene	8.992	142	15408	2.64	ng	96
50) Dimethylphthalate	9.651	163	31590	4.52	ng	98
51) 2,6-Dinitrotoluene	9.939	165	12089	8.55	ng	# 14
56) 4-Nitrophenol	10.145	139	5306	4.57	ng	# 1
57) 2,4-Dinitrotoluene	9.939	165	12089	6.97	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.727	198	279	5.71	ng	# 50
67) 4-Bromophenyl-phenylether	10.727	248	7633	4.15	ng	# 1
71) Phenanthrene	11.451	178	151478	17.06	ng	99
72) Anthracene	11.451	178	151478	16.83	ng	99
75) Fluoranthene	12.639	202	192264	20.91	ng	99
77) Benzidine	13.016	184	7013	2.93	ng	# 93
78) Pyrene	12.868	202	183540	20.82	ng	99
81) Benzo(a)anthracene	14.057	228	97569	13.59	ng	92
83) Chrysene	14.092	228	88593	12.83	ng	95
87) Indeno(1,2,3-cd)pyrene	17.051	276	44025	5.96	ng	95
88) Benzo(b)fluoranthene	15.121	252	145523	19.68	ng	# 98
89) Benzo(k)fluoranthene	15.121	252	145523	21.59	ng	99
90) Benzo(a)pyrene	15.492	252	83800	13.11	ng	# 97
92) Benzo(g,h,i)perylene	17.509	276	37884	6.08	ng	98

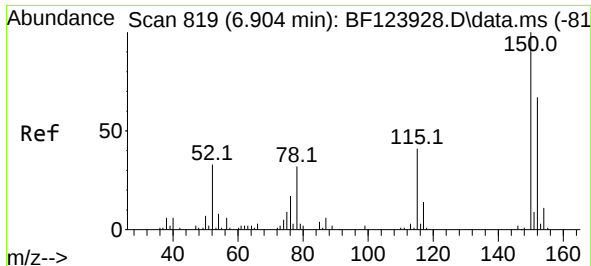
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123944.D
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Misc :
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Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

Quant Time: May 16 05:19:26 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

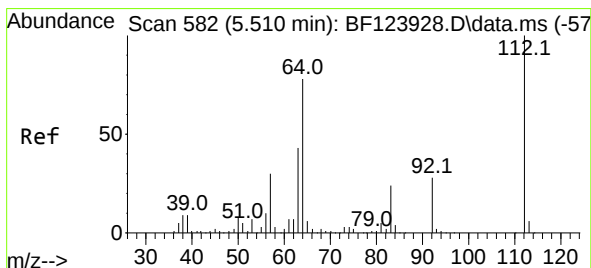
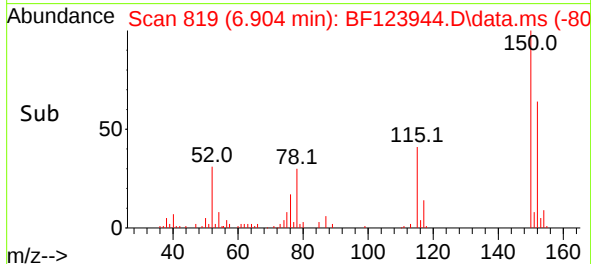
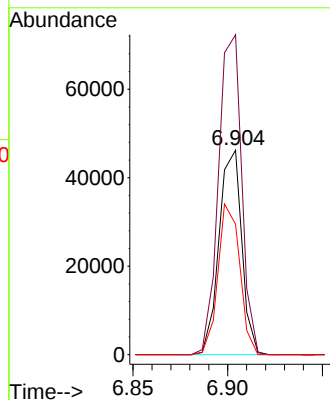
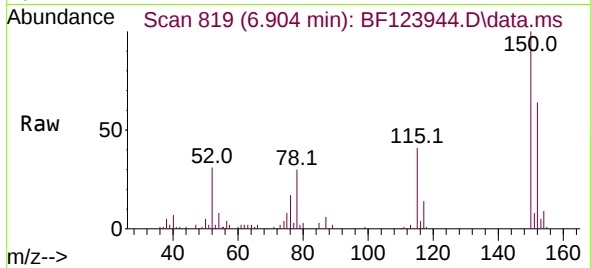




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

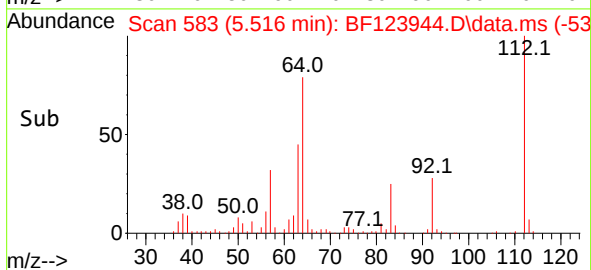
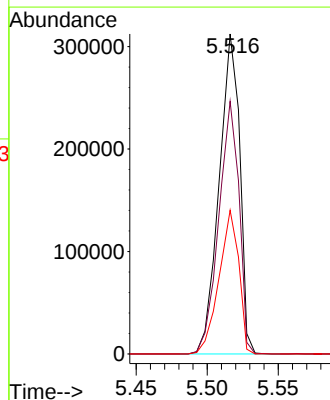
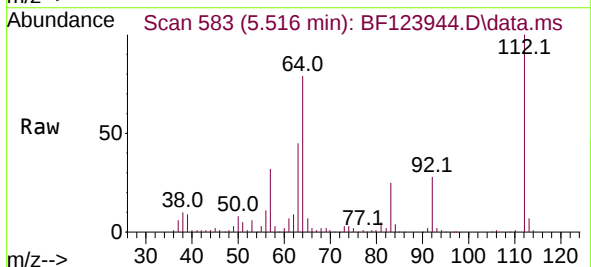
Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

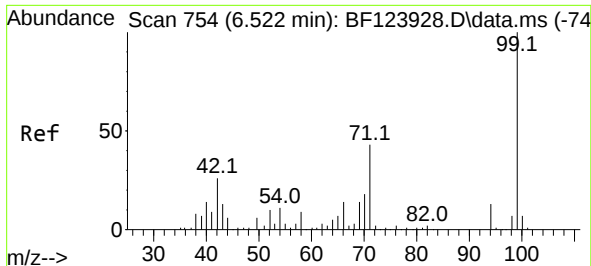
Tgt Ion:152 Resp: 38522
Ion Ratio Lower Upper
152 100
150 156.5 127.0 190.6
115 63.8 54.3 81.5



#5
2-Fluorophenol
Concen: 114.43 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

Tgt Ion:112 Resp: 313969
Ion Ratio Lower Upper
112 100
64 79.0 61.4 92.0
63 44.9 33.0 49.4

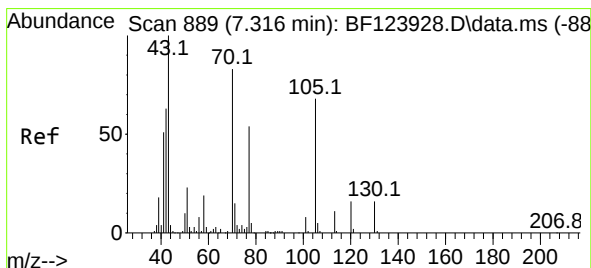
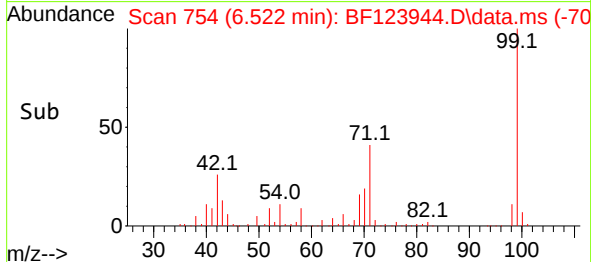
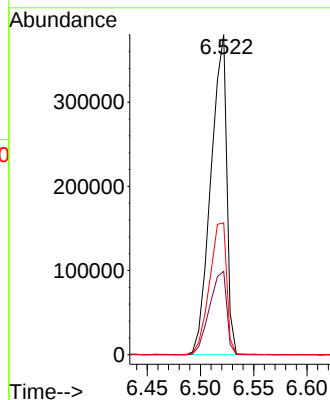
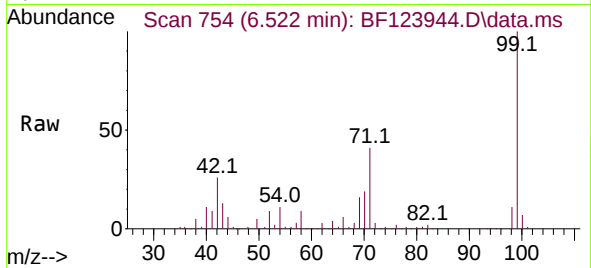




#7
Phenol-d6
Concen: 110.57 ng
RT: 6.522 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

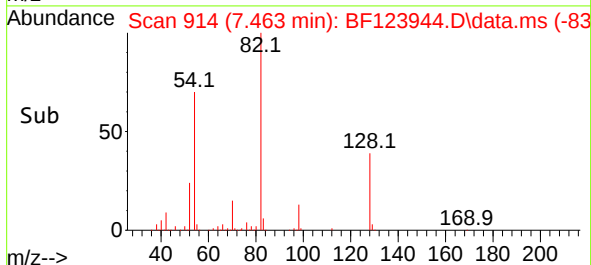
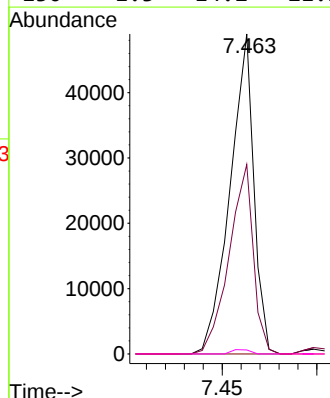
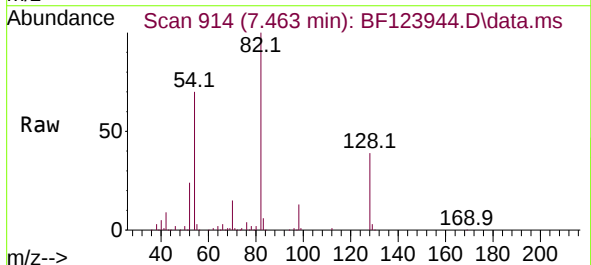
Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

Tgt Ion: 99 Resp: 393552
Ion Ratio Lower Upper
99 100
42 26.1 19.8 29.8
71 41.2 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 17.80 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.147 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

Tgt Ion: 70 Resp: 42807
Ion Ratio Lower Upper
70 100
42 59.2 60.1 90.1#
101 0.0 7.4 11.2#
130 1.3 14.2 21.2#

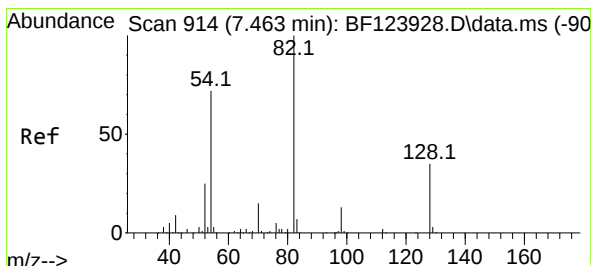
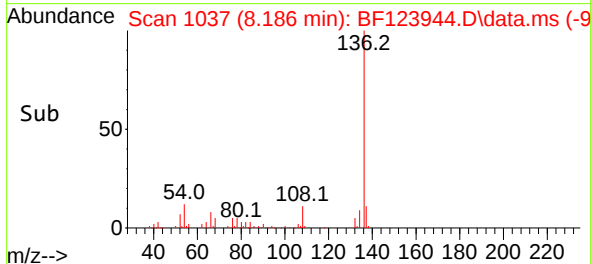
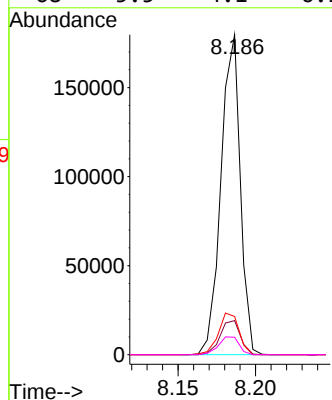
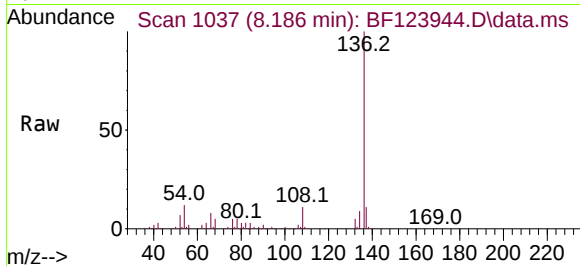




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

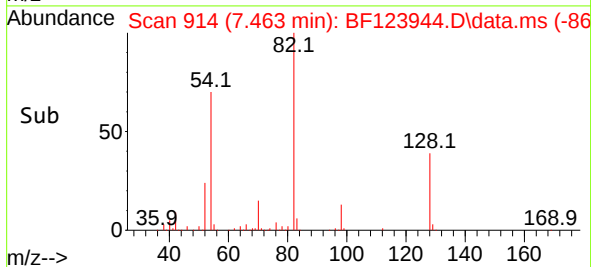
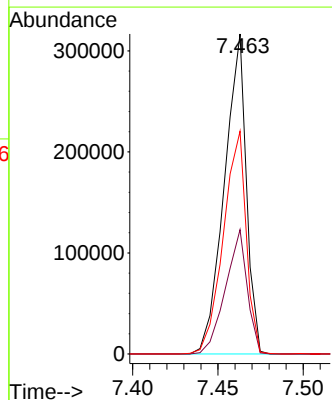
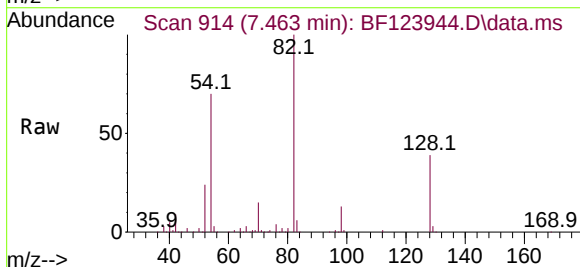
Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

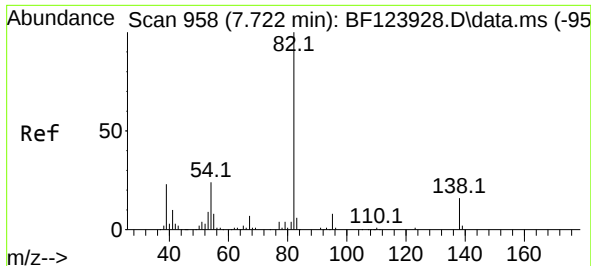
Tgt Ion:	136	Resp:	155711
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	11.9	9.8	14.6
68	5.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 78.55 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.000 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

Tgt Ion:	82	Resp:	283883
Ion	Ratio	Lower	Upper
82	100		
128	38.8	29.4	44.2
54	69.6	54.1	81.1

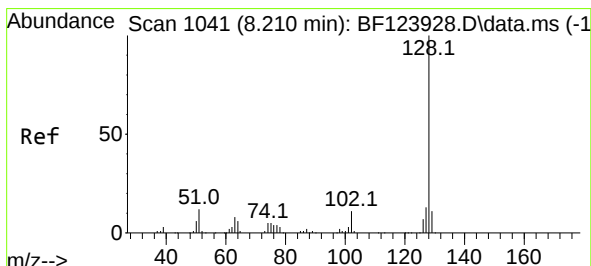
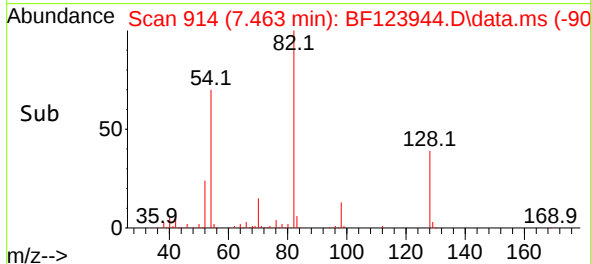
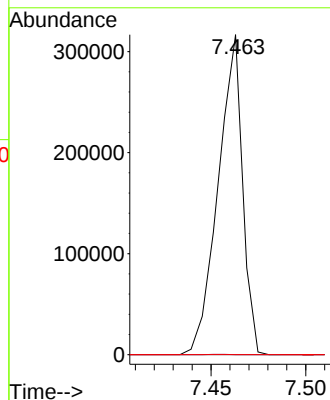
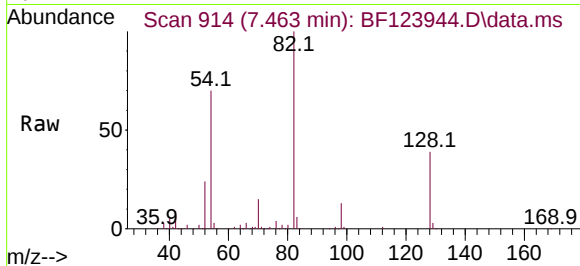




#25
Isophorone
Concen: 40.83 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.259 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

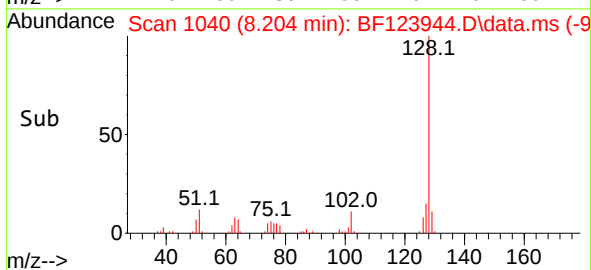
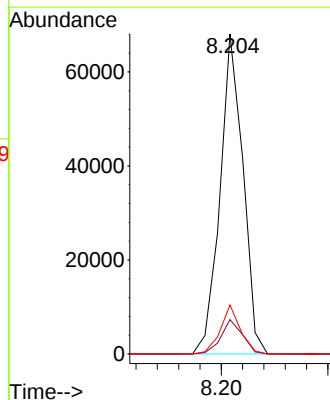
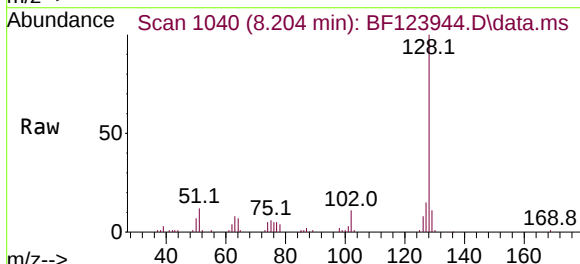
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KSB-03(7-9)

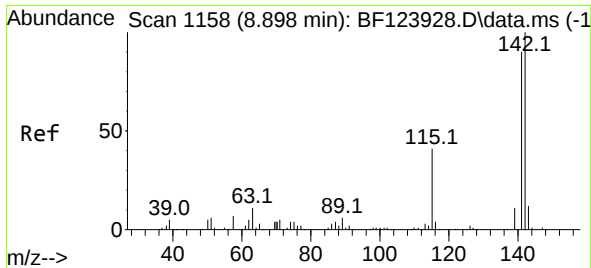
Tgt Ion: 82 Resp: 283874
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#31
Naphthalene
Concen: 5.52 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

Tgt Ion: 128 Resp: 50825
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 15.3 10.8 16.2

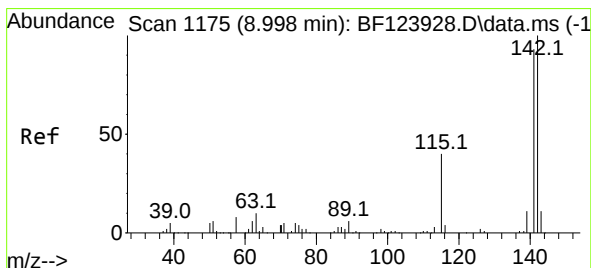
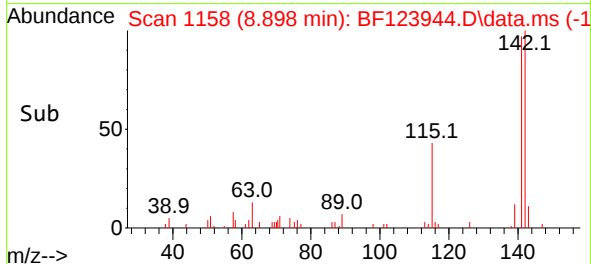
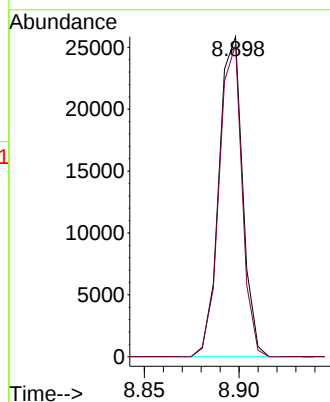
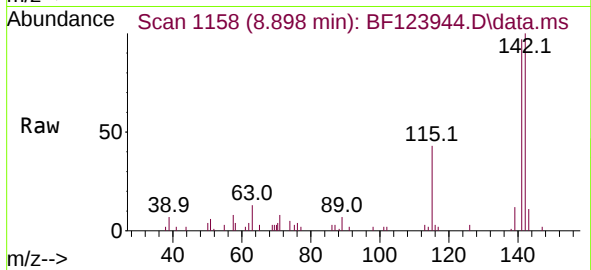




#37
2-Methylnaphthalene
Concen: 3.59 ng
RT: 8.898 min Scan# 1158
Delta R.T. 0.000 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

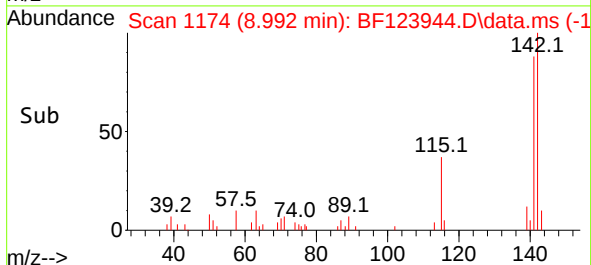
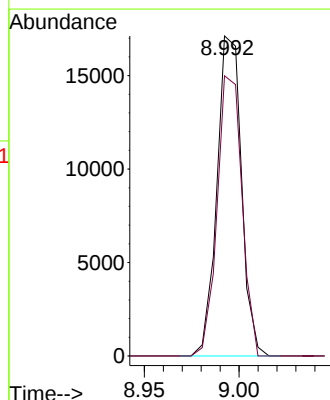
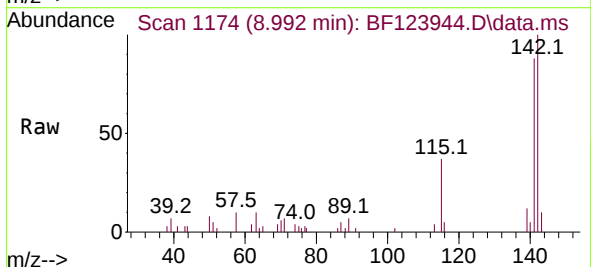
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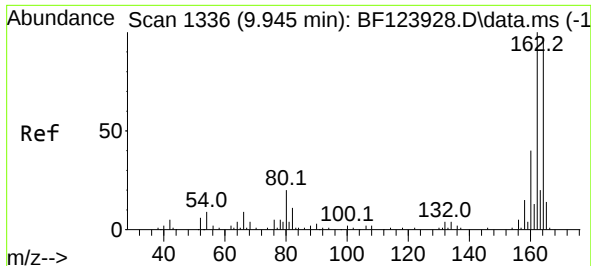
Tgt Ion:142 Resp: 22443
Ion Ratio Lower Upper
142 100
141 97.5 71.8 107.6



#38
1-Methylnaphthalene
Concen: 2.64 ng
RT: 8.992 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

Tgt Ion:142 Resp: 15408
Ion Ratio Lower Upper
142 100
141 87.6 72.8 109.2

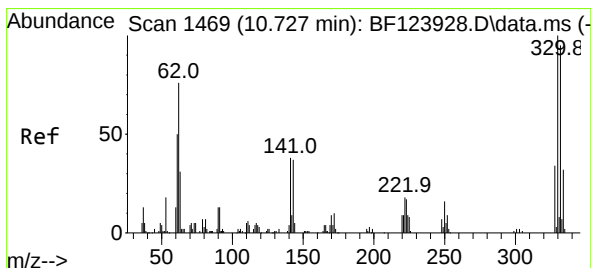
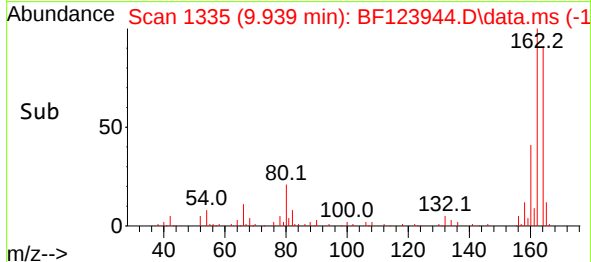
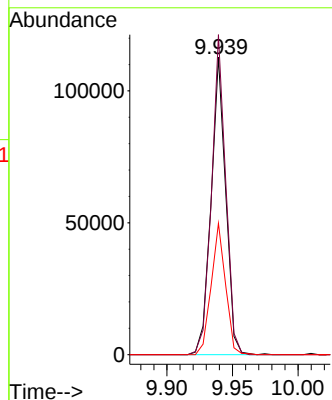
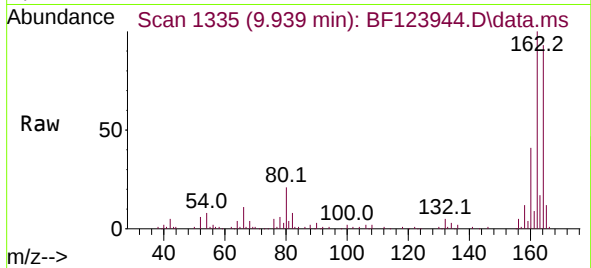




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

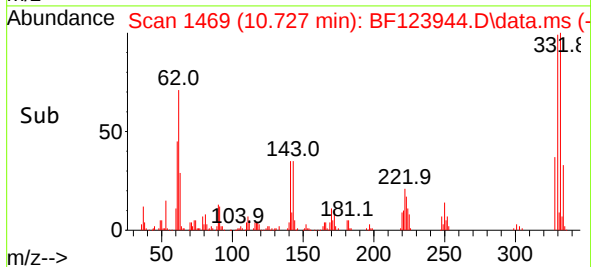
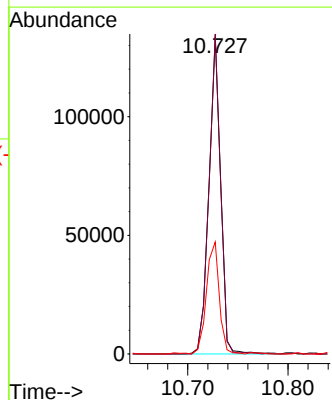
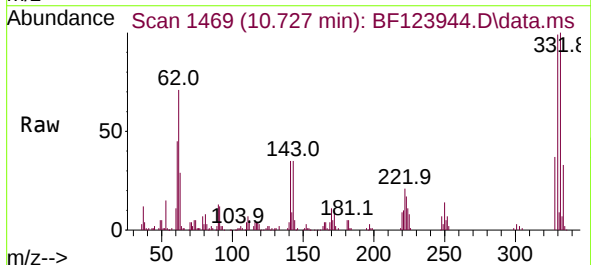
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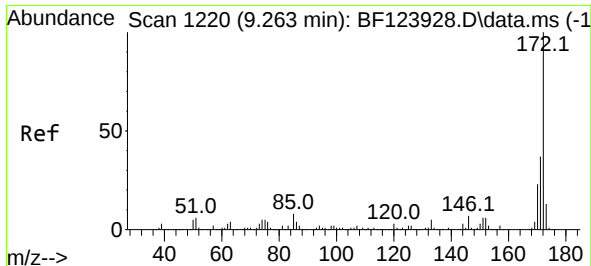
Tgt Ion:164 Resp: 87553
Ion Ratio Lower Upper
164 100
162 107.5 80.7 121.1
160 44.2 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 103.59 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

Tgt Ion:330 Resp: 108935
Ion Ratio Lower Upper
330 100
332 99.0 77.1 115.7
141 38.6 27.9 41.9

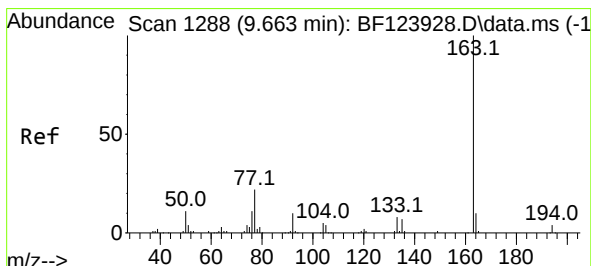
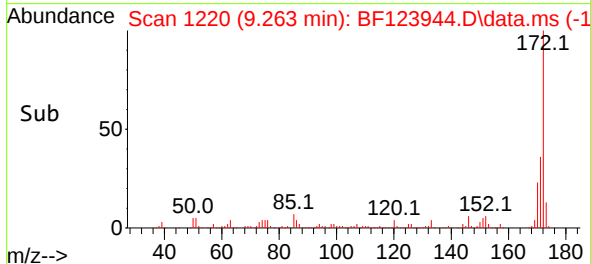
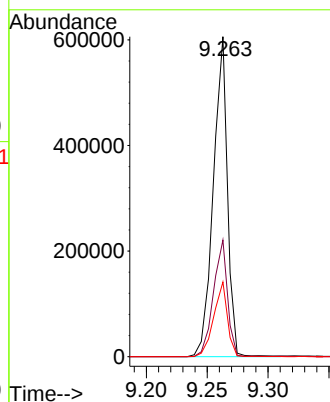
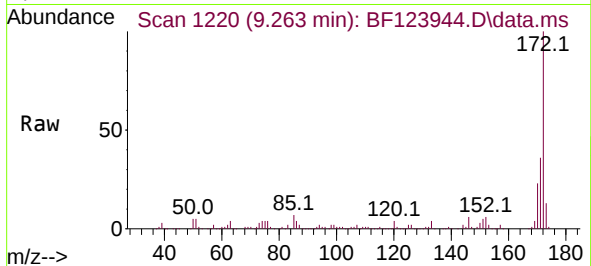




#45
2-Fluorobiphenyl
Concen: 68.37 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

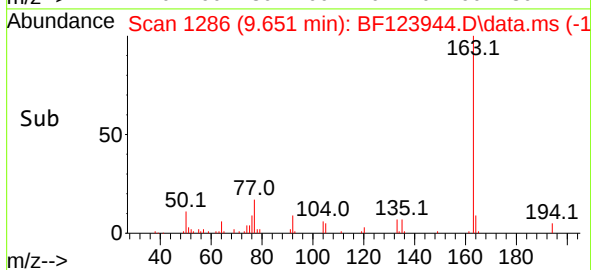
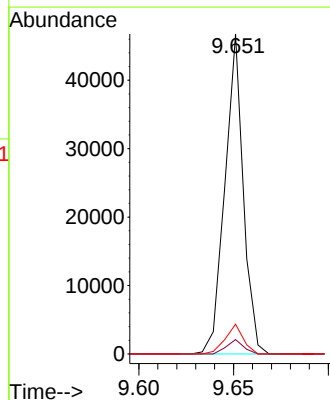
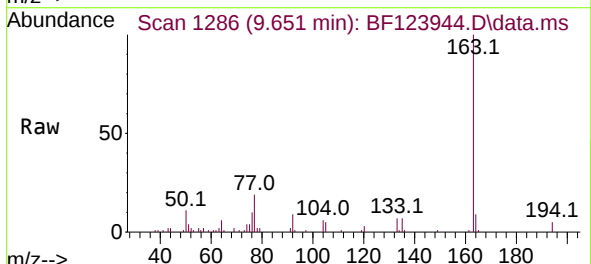
Instrument :
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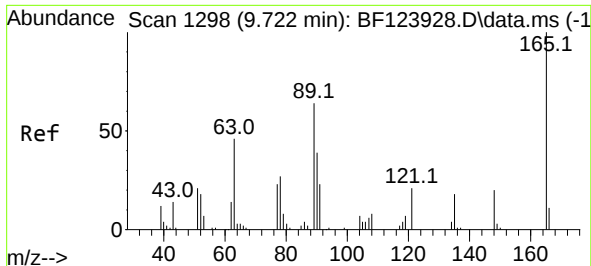
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Ion Ratio	Lower	Upper
172	100	
171	36.4	28.1 42.1
170	23.4	19.2 28.8



#50
Dimethylphthalate
Concen: 4.52 ng
RT: 9.651 min Scan# 1286
Delta R.T. -0.012 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

Tgt Ion:163	Resp:	31590
Ion Ratio	Lower	Upper
163	100	
194	4.5	3.1 4.7
164	9.3	8.2 12.2

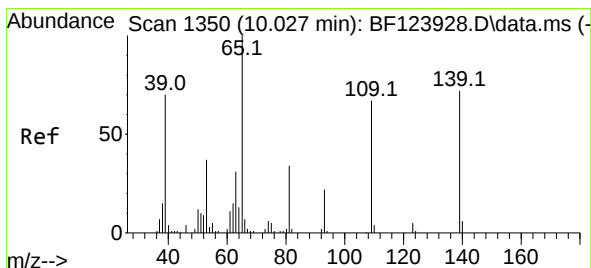
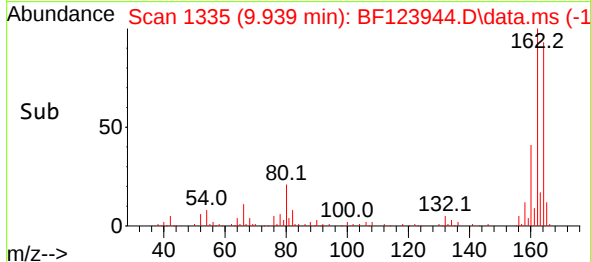
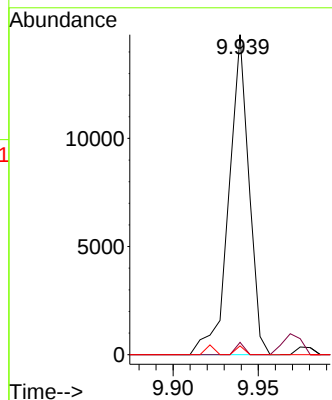
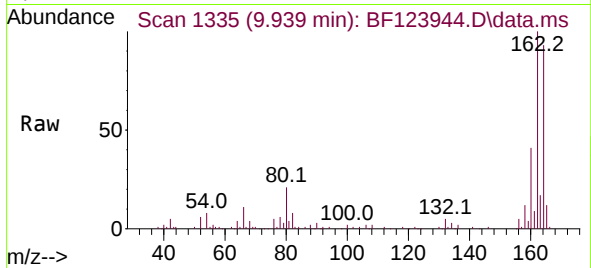




#51
2,6-Dinitrotoluene
Concen: 8.55 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.218 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

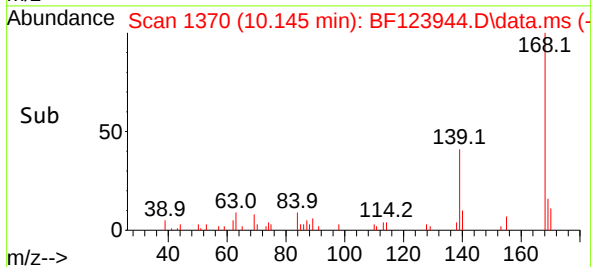
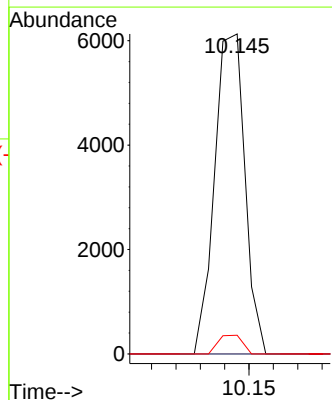
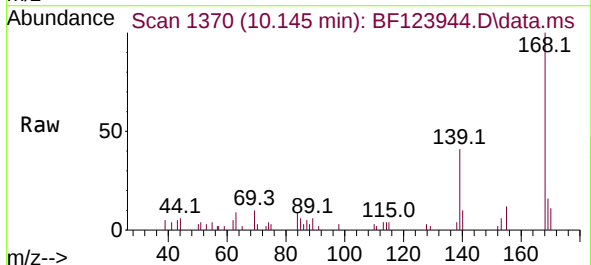
Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

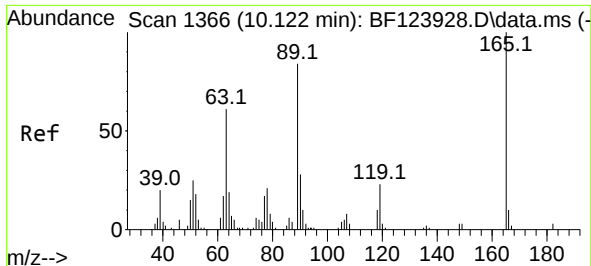
Tgt Ion:165 Resp: 12089
Ion Ratio Lower Upper
165 100
63 3.9 67.7 101.5#
89 2.8 58.8 88.2#



#56
4-Nitrophenol
Concen: 4.57 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.118 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

Tgt Ion:139 Resp: 5306
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 5.9 110.0 150.0#

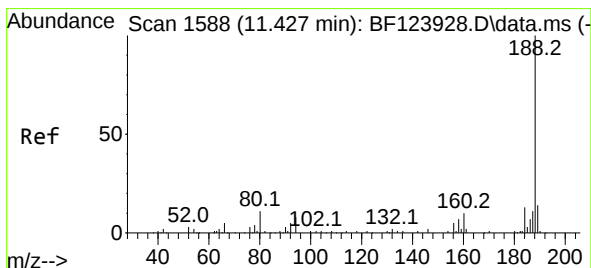
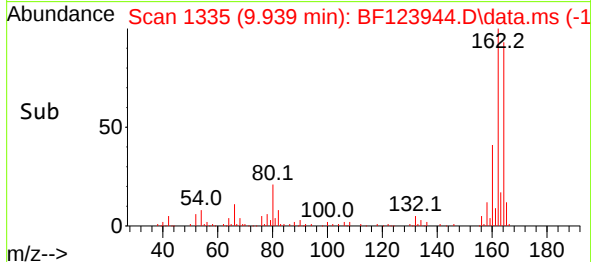
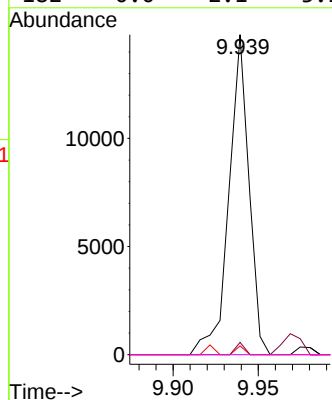
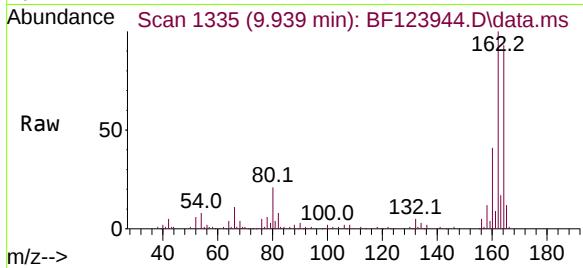




#57
2,4-Dinitrotoluene
Concen: 6.97 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.182 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

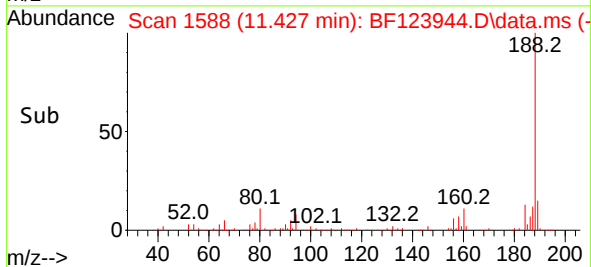
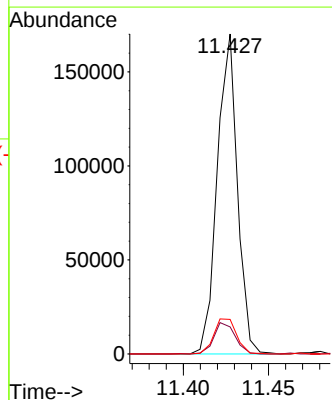
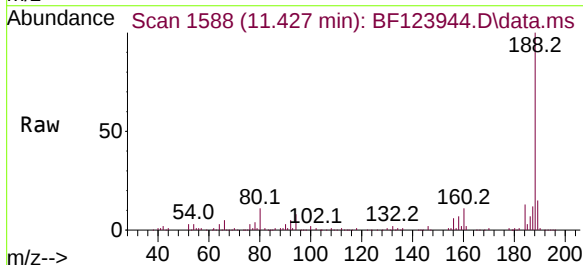
Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

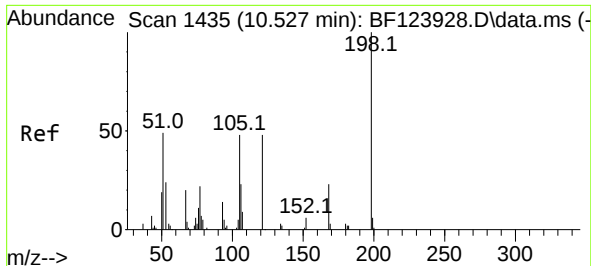
Tgt Ion:165	Resp:	12089
Ion Ratio	Lower	Upper
165	100	
63	3.9	43.5 65.3#
89	2.8	67.7 101.5#
182	0.0	2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

Tgt Ion:188	Resp:	140118
Ion Ratio	Lower	Upper
188	100	
94	8.5	6.9 10.3
80	10.8	8.2 12.2

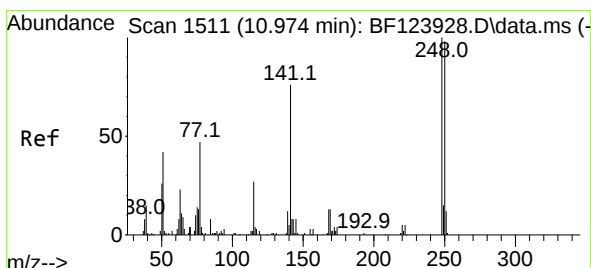
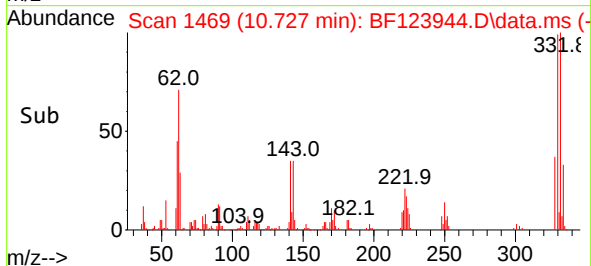
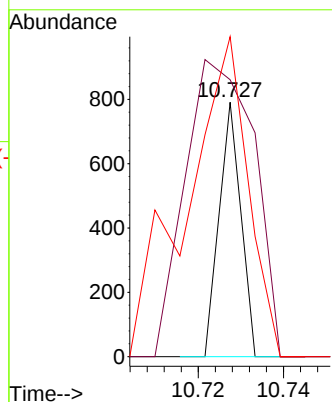
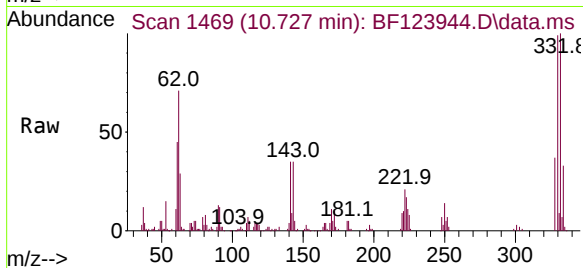




#65
4,6-Dinitro-2-methylphenol
Concen: 5.71 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.200 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

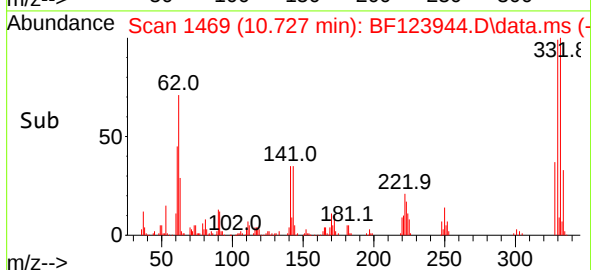
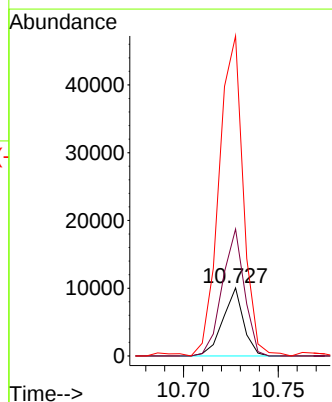
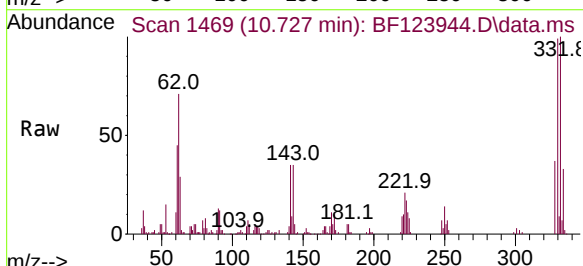
Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

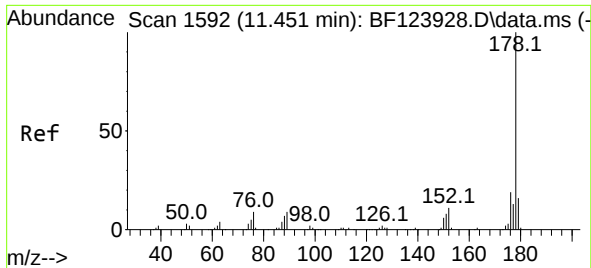
Tgt Ion:198 Resp: 279
Ion Ratio Lower Upper
198 100
51 108.8 64.8 104.8#
105 125.8 42.6 82.6#



#67
4-Bromophenyl-phenylether
Concen: 4.15 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

Tgt Ion:248 Resp: 7633
Ion Ratio Lower Upper
248 100
250 186.5 77.4 116.2#
141 470.6 63.7 95.5#

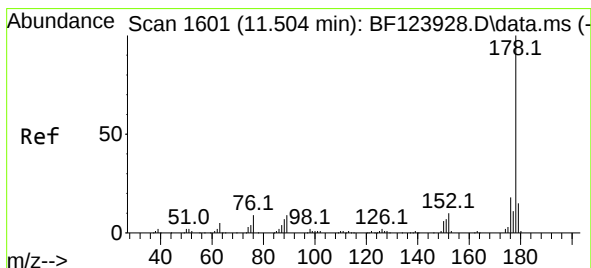
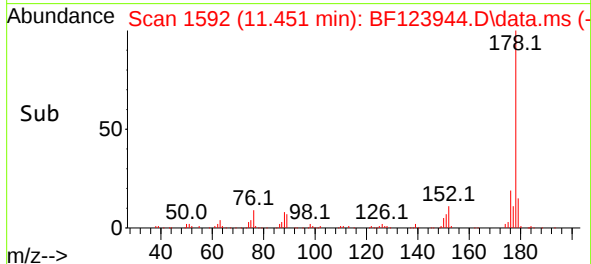
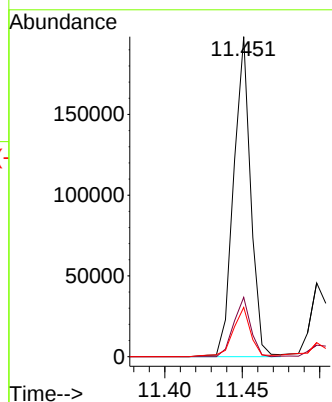
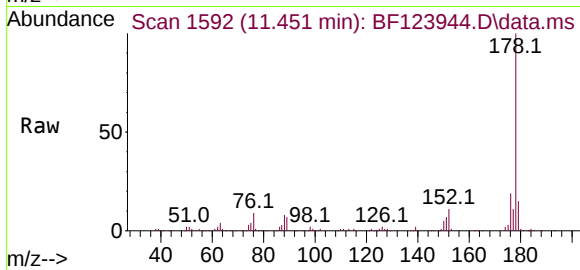




#71
Phenanthrene
Concen: 17.06 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

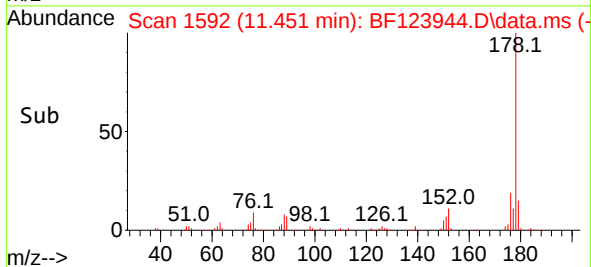
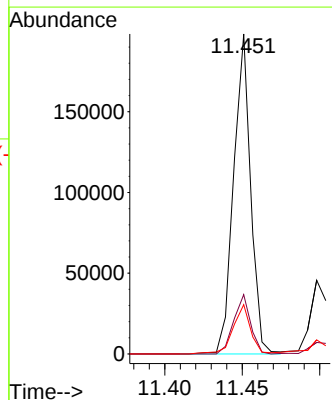
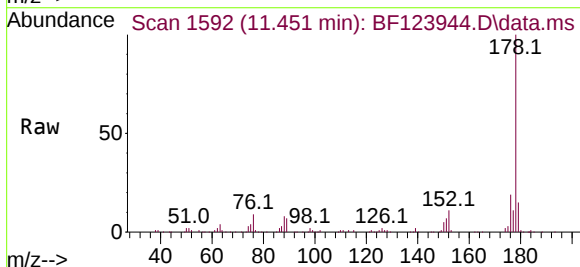
Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

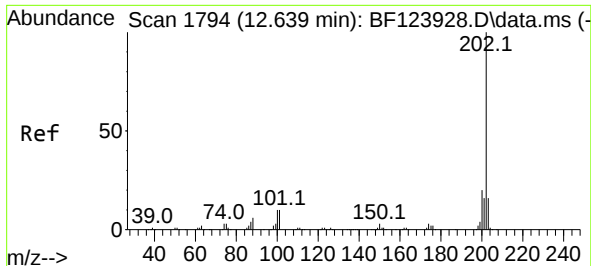
Tgt Ion:178 Resp: 151478
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.4 12.5 18.7



#72
Anthracene
Concen: 16.83 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.053 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

Tgt Ion:178 Resp: 151478
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.4 12.6 18.8

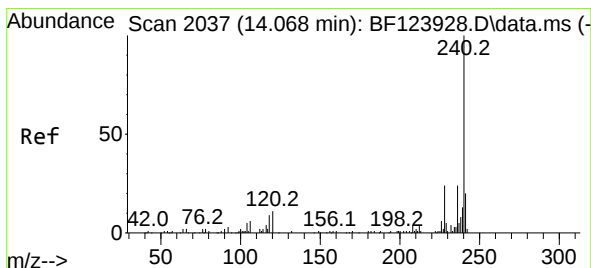
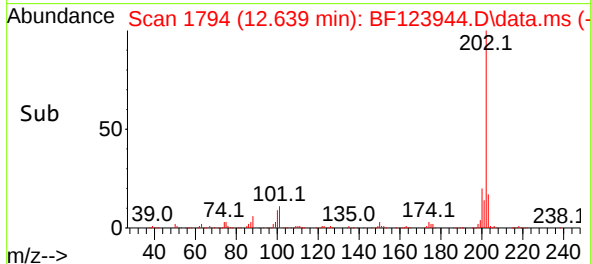
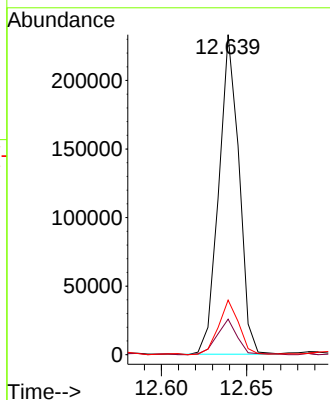
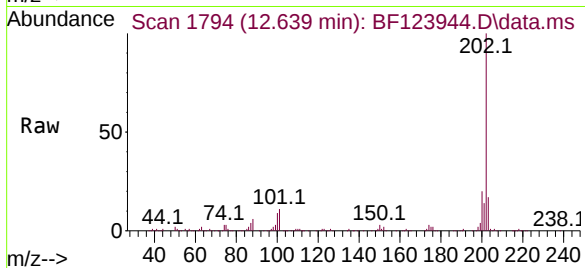




#75
Fluoranthene
Concen: 20.91 ng
RT: 12.639 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

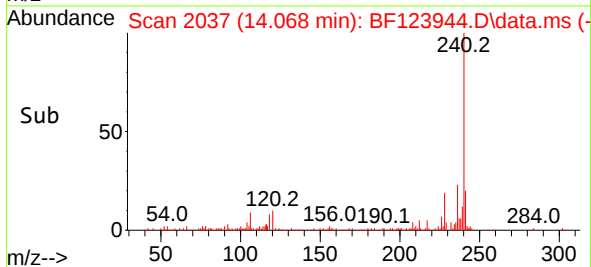
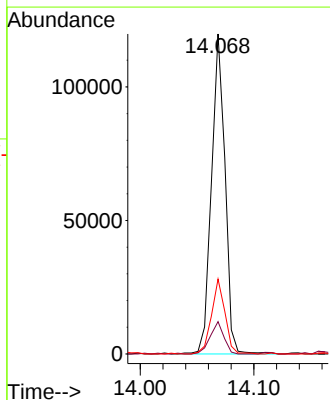
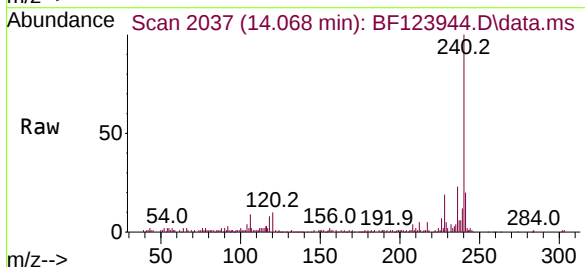
Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

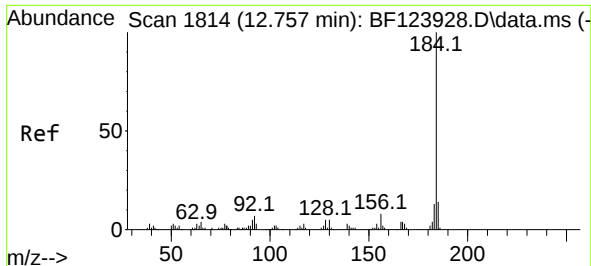
Tgt Ion:202 Resp: 192264
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.9
203 17.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

Tgt Ion:240 Resp: 99282
Ion Ratio Lower Upper
240 100
120 10.1 7.2 10.8
236 23.4 19.0 28.4

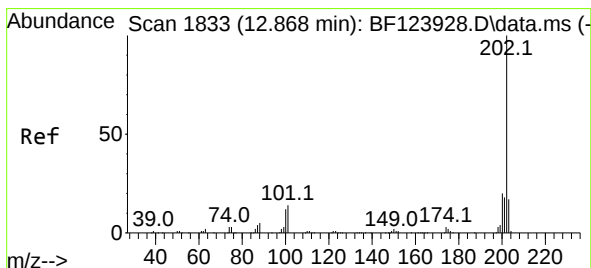
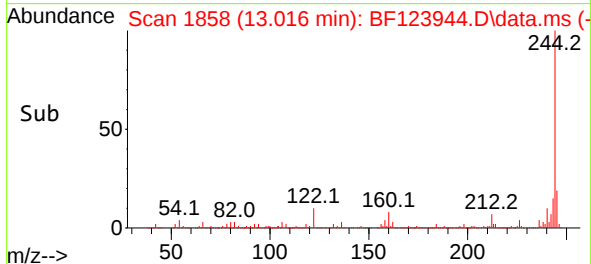
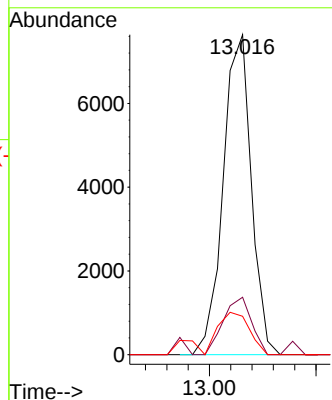
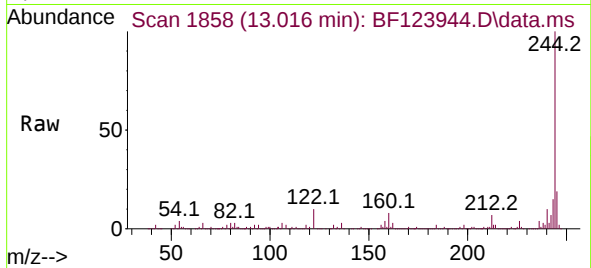




#77
Benzidine
Concen: 2.93 ng
RT: 13.016 min Scan# 1858
Delta R.T. 0.259 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

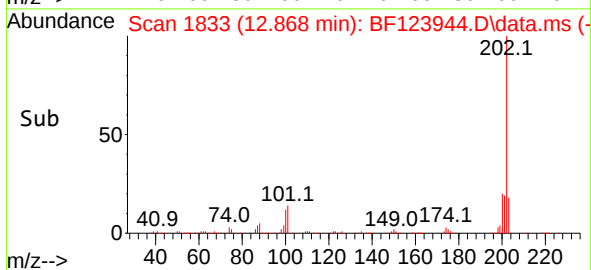
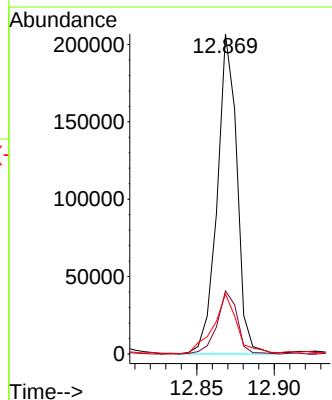
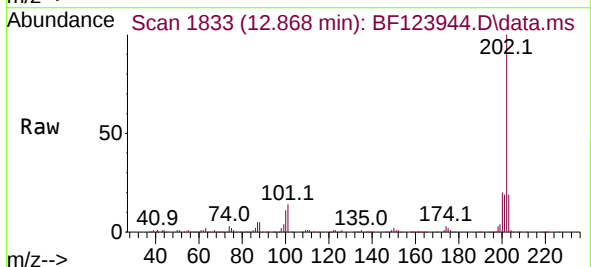
Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

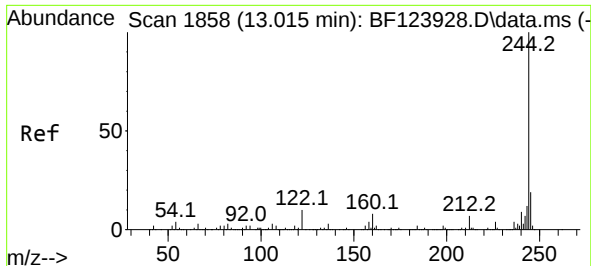
Tgt Ion:184 Resp: 7013
Ion Ratio Lower Upper
184 100
185 18.0 12.1 18.1
183 12.0 7.8 11.8#



#78
Pyrene
Concen: 20.82 ng
RT: 12.868 min Scan# 1833
Delta R.T. 0.000 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

Tgt Ion:202 Resp: 183540
Ion Ratio Lower Upper
202 100
200 19.7 16.1 24.1
203 18.8 14.8 22.2

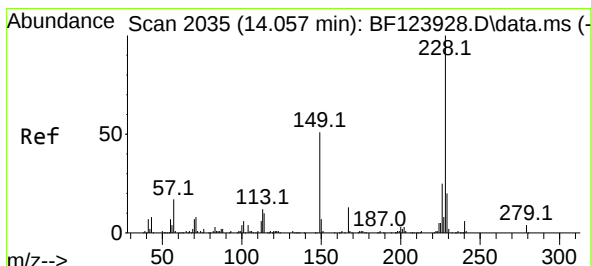
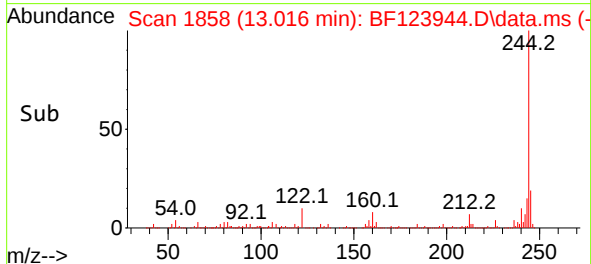
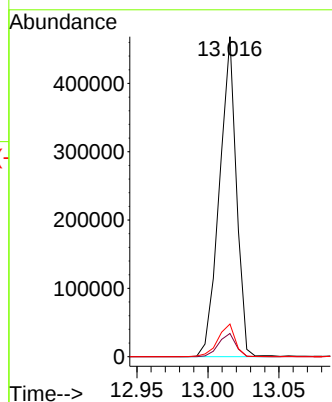
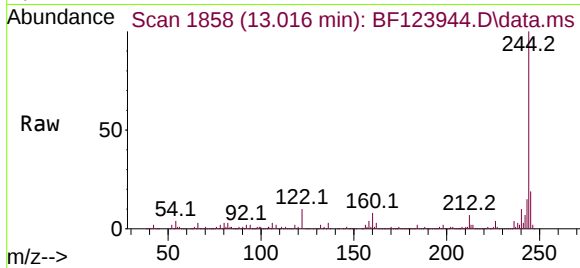




#79
Terphenyl-d14
Concen: 59.34 ng
RT: 13.016 min Scan# 1858
Delta R.T. 0.000 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

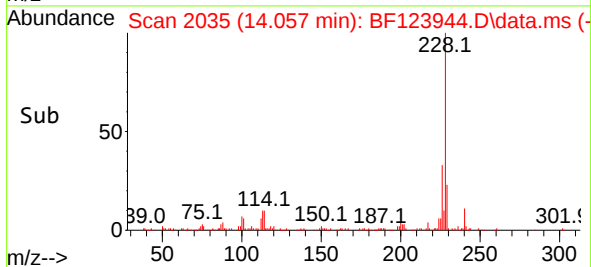
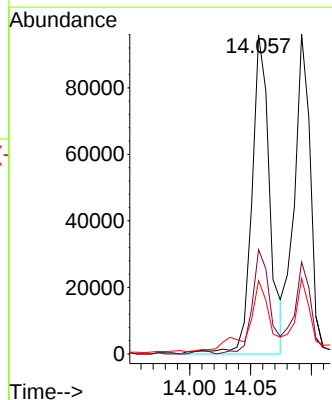
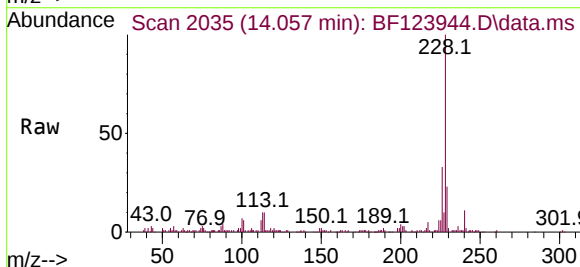
Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

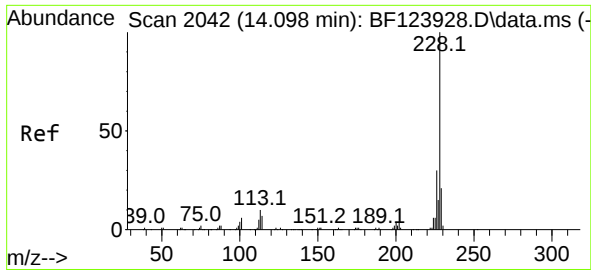
Tgt Ion:244 Resp: 388954
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 10.2 9.7 14.5



#81
Benzo(a)anthracene
Concen: 13.59 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.000 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

Tgt Ion:228 Resp: 97569
Ion Ratio Lower Upper
228 100
226 32.7 22.4 33.6
229 23.0 16.0 24.0

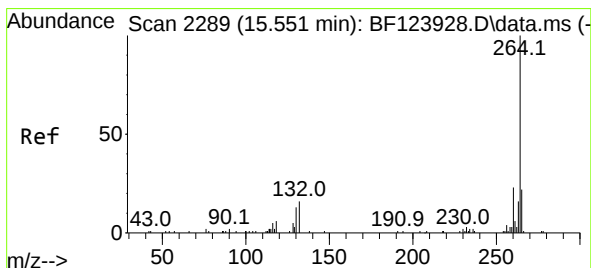
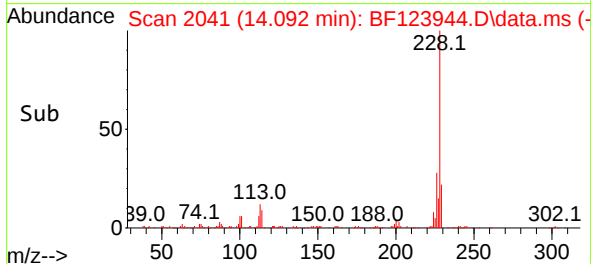
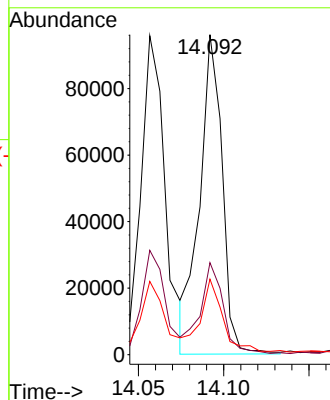
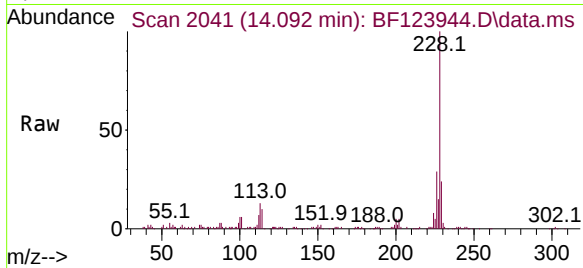




#83
Chrysene
Concen: 12.83 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

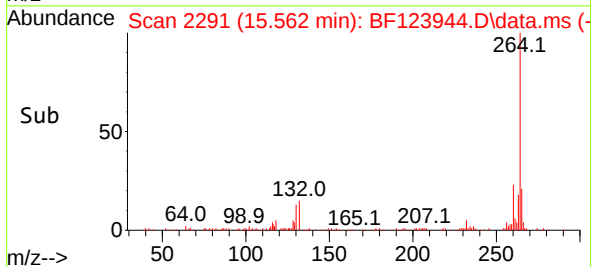
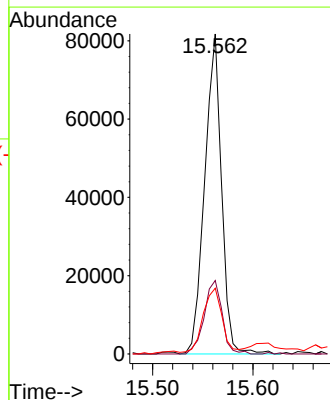
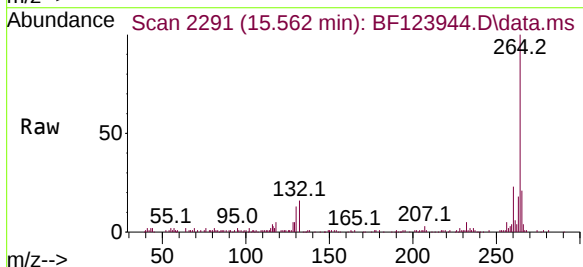
Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

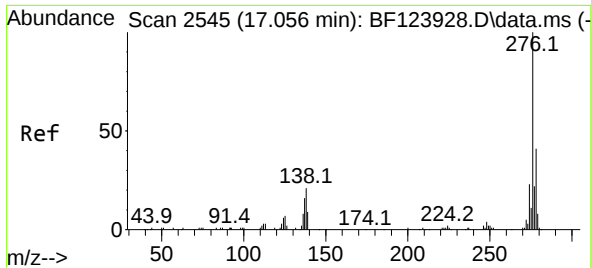
Tgt Ion:228	Resp:	88593
Ion Ratio	Lower	Upper
228	100	
226	28.8	24.3 36.5
229	23.6	16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.562 min Scan# 2291
Delta R.T. 0.012 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

Tgt Ion:264	Resp:	95592
Ion Ratio	Lower	Upper
264	100	
260	23.0	18.7 28.1
265	20.5	17.8 26.8

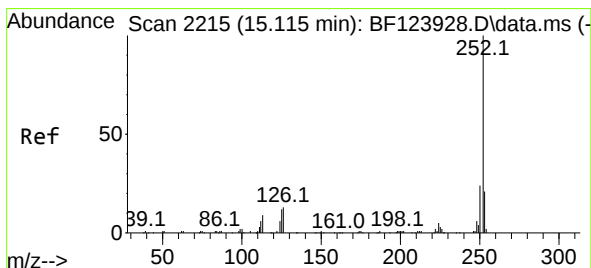
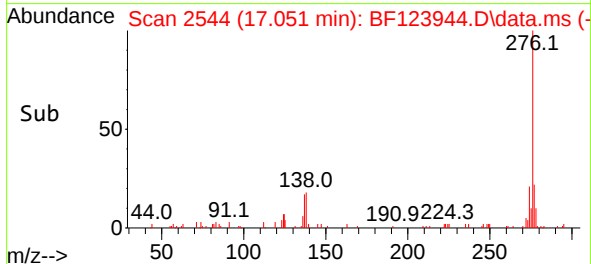
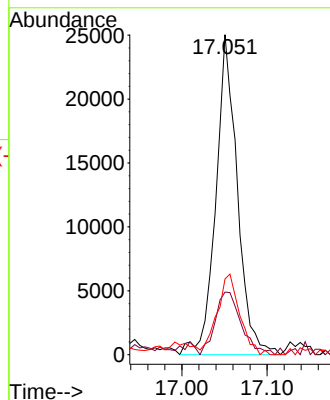
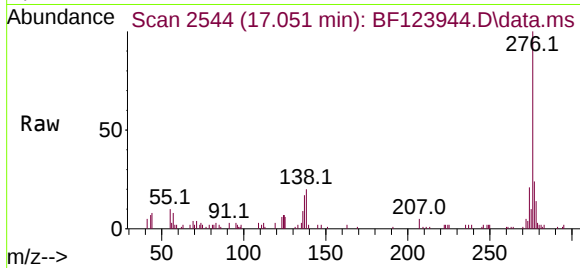




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.96 ng
RT: 17.051 min Scan# 2544
Delta R.T. -0.006 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

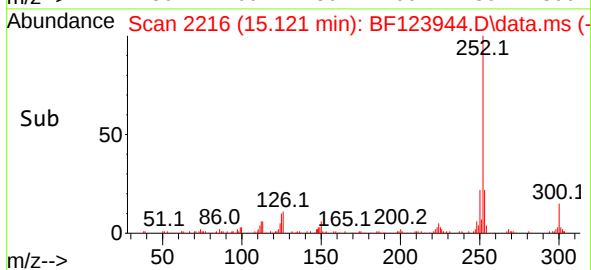
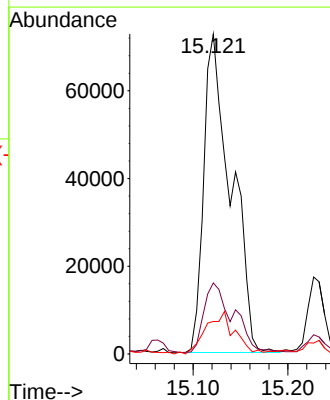
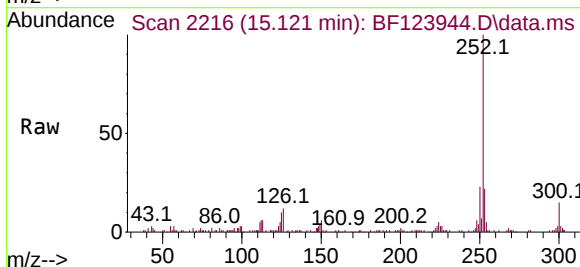
Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

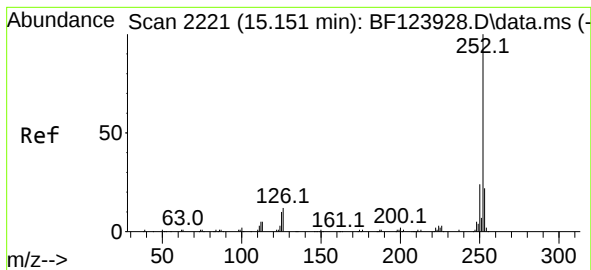
Tgt Ion:276	Resp:	44025
Ion Ratio	Lower	Upper
276	100	
138	23.6	16.2 24.2
277	26.4	20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 19.68 ng
RT: 15.121 min Scan# 2216
Delta R.T. 0.006 min
Lab File: BF123944.D
Acq: 15 May 2021 14:42

Tgt Ion:252	Resp:	145523
Ion Ratio	Lower	Upper
252	100	
253	22.2	18.1 27.1
125	10.1	6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 21.59 ng

RT: 15.121 min Scan# 2216

Delta R.T. -0.029 min

Lab File: BF123944.D

Acq: 15 May 2021 14:42

Tgt Ion:252 Resp: 145523

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

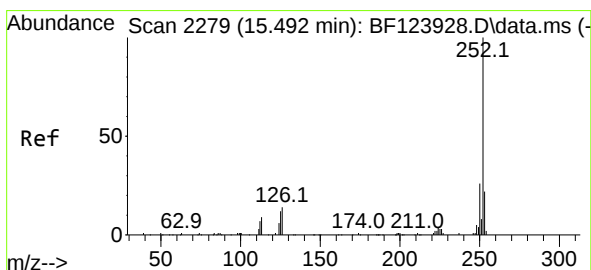
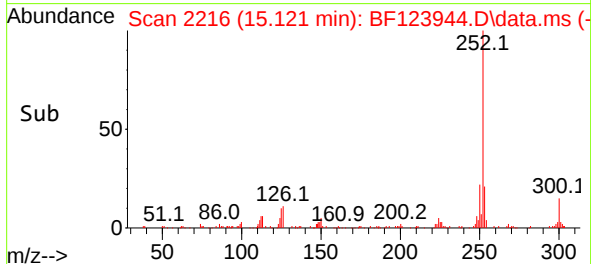
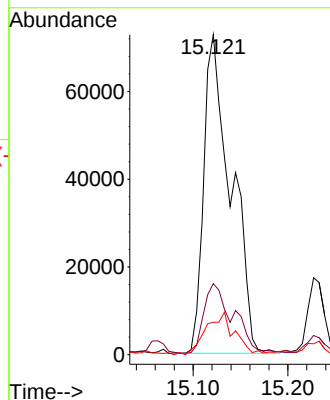
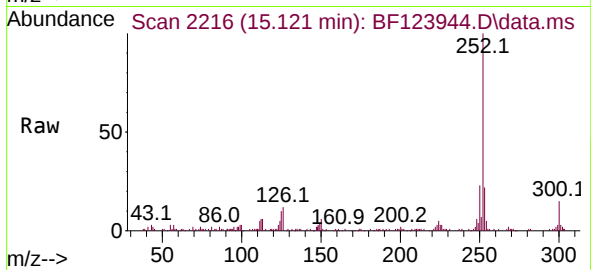
125 10.1 7.0 10.6

Instrument :

BNA_F

ClientSampleId :

KSB-03(7-9)



#90

Benzo(a)pyrene

Concen: 13.11 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.000 min

Lab File: BF123944.D

Acq: 15 May 2021 14:42

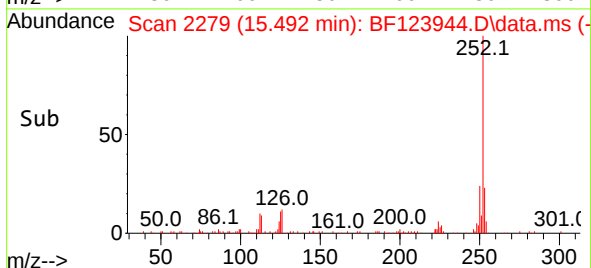
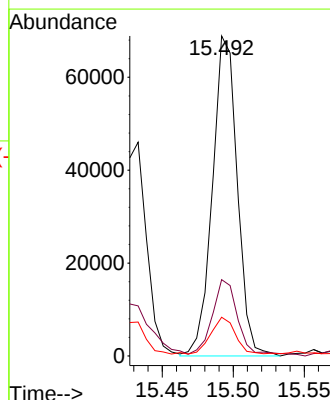
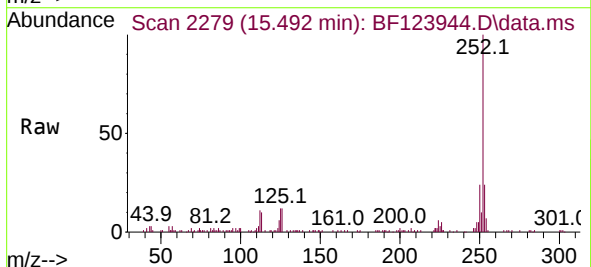
Tgt Ion:252 Resp: 83800

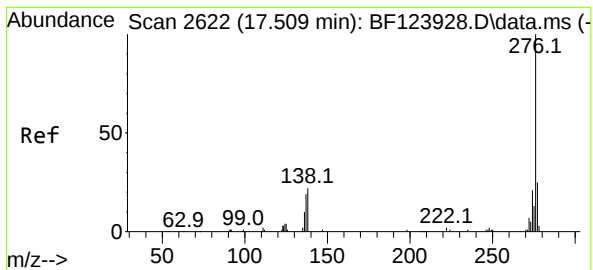
Ion Ratio Lower Upper

252 100

253 23.8 18.4 27.6

125 12.1 8.0 12.0#





#92
 Benzo(g,h,i)perylene
 Concen: 6.08 ng
 RT: 17.509 min Scan# 2622
 Delta R.T. 0.000 min
 Lab File: BF123944.D
 Acq: 15 May 2021 14:42

Instrument :
 BNA_F
 ClientSampleId :
 KSB-03(7-9)

Tgt Ion:	276	Resp:	37884
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.2	27.2
138	17.9	13.8	20.6

