

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051721\
 Data File : BF123962.D
 Acq On : 17 May 2021 14:31
 Operator : JU/CG
 Sample : M2383-02DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KSB-02(7.5-9.5)DL

Quant Time: May 17 14:57:35 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)

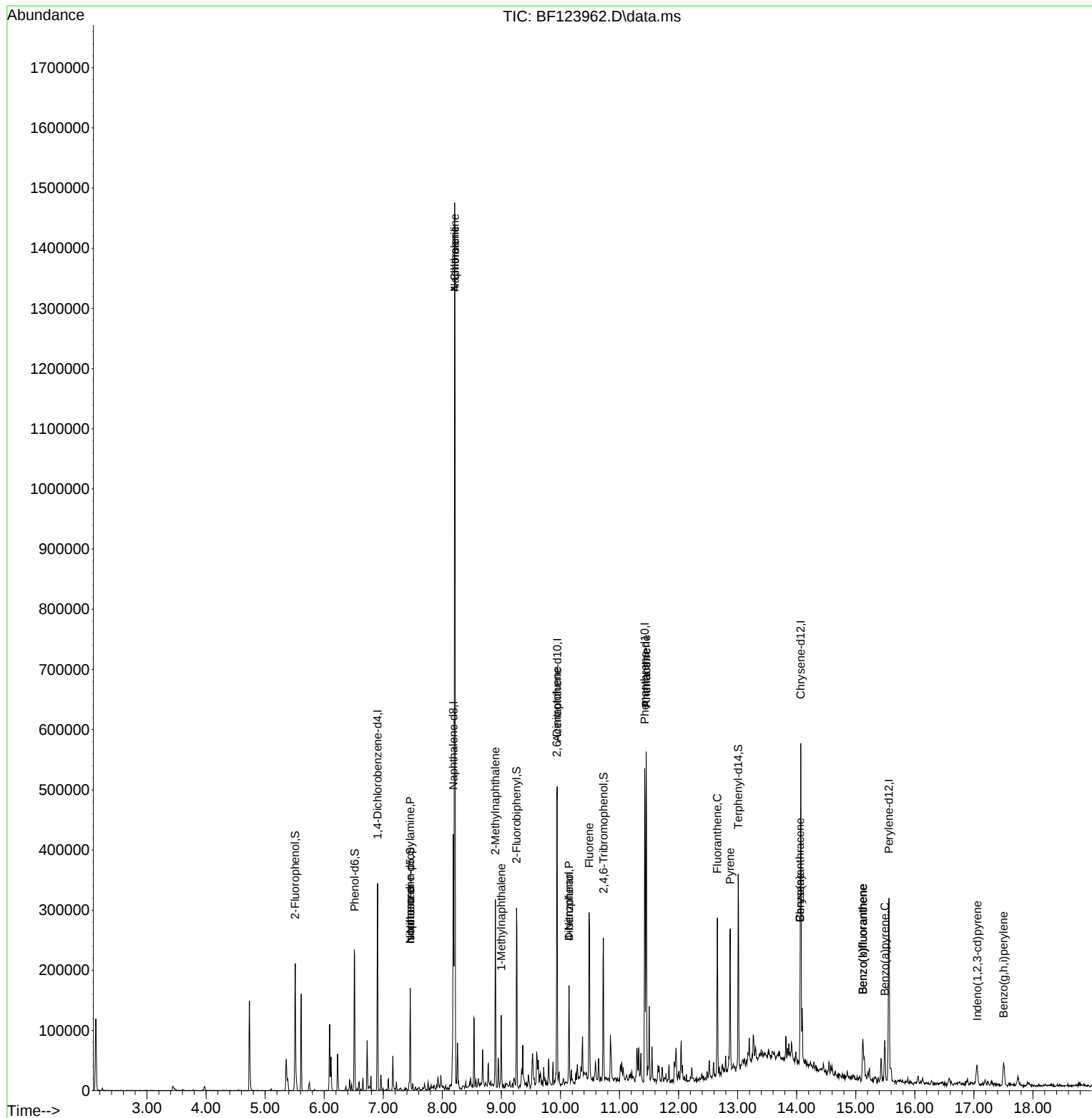
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	38880	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	158724	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	93917	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	173531	20.00	ng	0.00
76) Chrysene-d12	14.068	240	144947	20.00	ng	# 0.00
86) Perylene-d12	15.562	264	129830	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	45719	16.51	ng	0.00
7) Phenol-d6	6.516	99	55874	15.55	ng	0.00
23) Nitrobenzene-d5	7.457	82	41222	11.19	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	18881	16.74	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	74626	9.78	ng	0.00
79) Terphenyl-d14	13.010	244	90612	9.47	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	5831	2.40	ng	# 81
25) Isophorone	7.457	82	41221	5.82	ng	# 69
31) Naphthalene	8.210	128	535371	56.99	ng	99
33) 4-Chloroaniline	8.210	127	75278	21.05	ng	# 33
37) 2-Methylnaphthalene	8.898	142	57267	8.99	ng	99
38) 1-Methylnaphthalene	8.998	142	21222	3.57	ng	96
51) 2,6-Dinitrotoluene	9.939	165	12714	8.38	ng	# 14
55) Dibenzofuran	10.145	168	44944	4.71	ng	96
56) 4-Nitrophenol	10.145	139	17437	13.99	ng	# 1
58) Fluorene	10.486	166	63171	8.78	ng	94
71) Phenanthrene	11.451	178	171649	15.61	ng	98
72) Anthracene	11.451	178	171649	15.40	ng	98
75) Fluoranthene	12.657	202	93480	8.21	ng	95
78) Pyrene	12.874	202	80501	6.26	ng	97
81) Benzo(a)anthracene	14.057	228	32922	3.14	ng	94
83) Chrysene	14.057	228	32922	3.27	ng	97
87) Indeno(1,2,3-cd)pyrene	17.056	276	21055	2.10	ng	# 94
88) Benzo(b)fluoranthene	15.121	252	37576	3.74	ng	# 91
89) Benzo(k)fluoranthene	15.121	252	37576	4.11	ng	# 92
90) Benzo(a)pyrene	15.492	252	26881	3.10	ng	95
92) Benzo(g,h,i)perylene	17.503	276	28142	3.32	ng	96

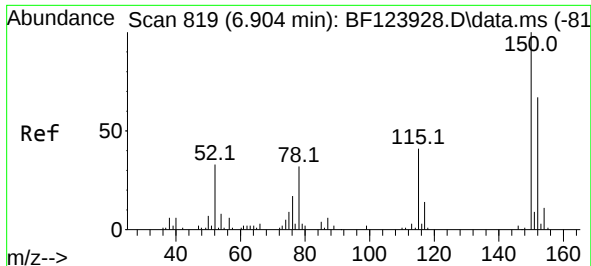
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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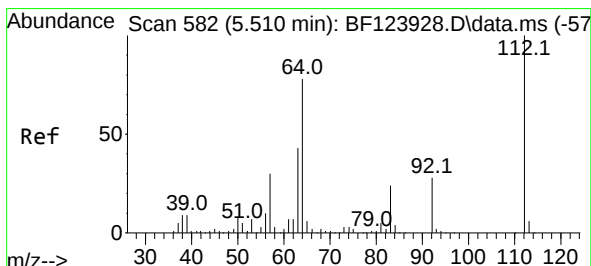
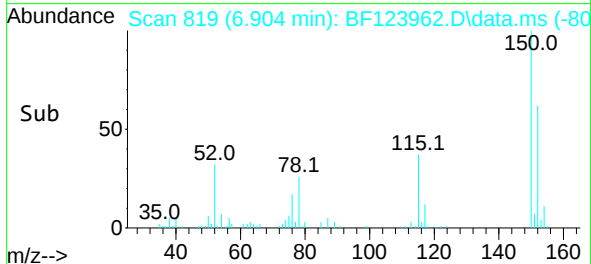
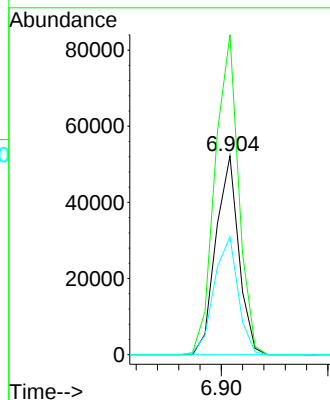
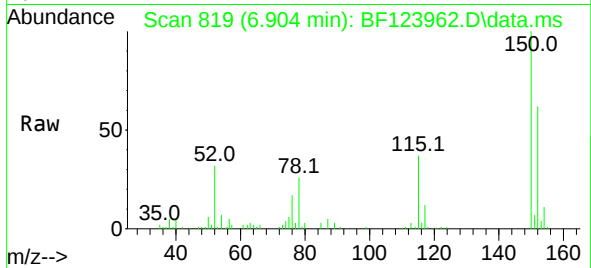




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

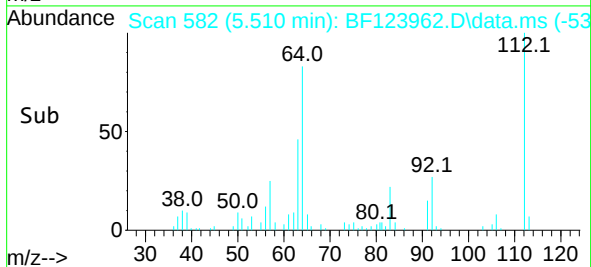
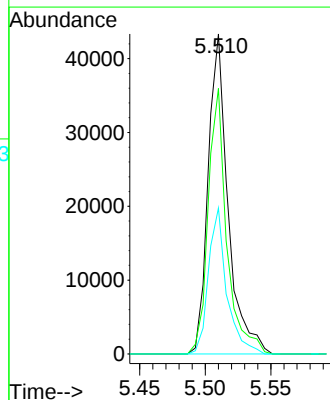
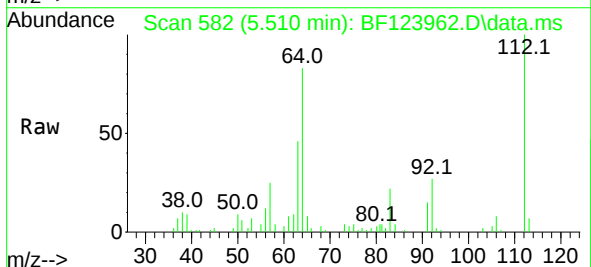
Instrument :
BNA_F
ClientSampleId :
KSB-02(7.5-9.5)DL

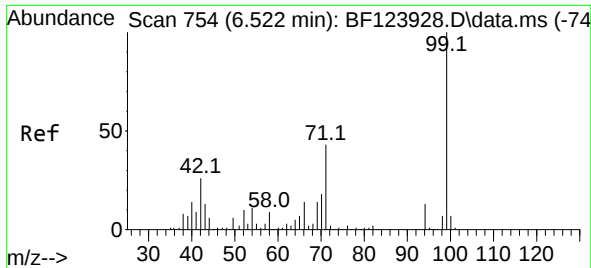
Tgt Ion:152 Resp: 38880
Ion Ratio Lower Upper
152 100
150 161.0 127.0 190.6
115 59.4 54.3 81.5



#5
2-Fluorophenol
Concen: 16.51 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

Tgt Ion:112 Resp: 45719
Ion Ratio Lower Upper
112 100
64 83.0 61.4 92.0
63 45.6 33.0 49.4

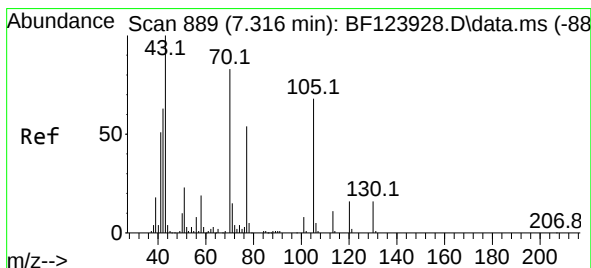
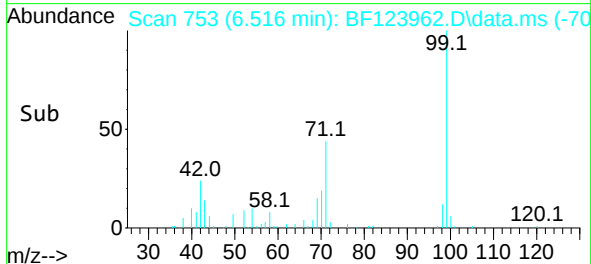
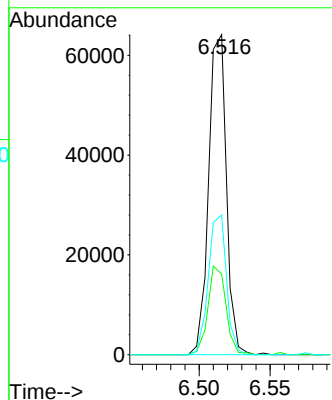
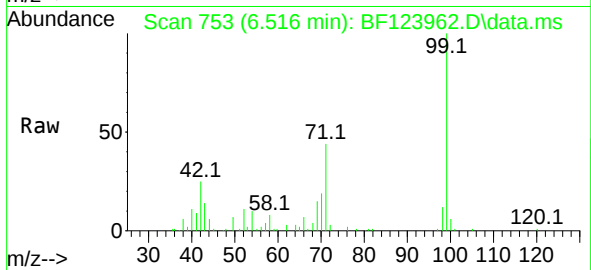




#7
Phenol-d6
Concen: 15.55 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

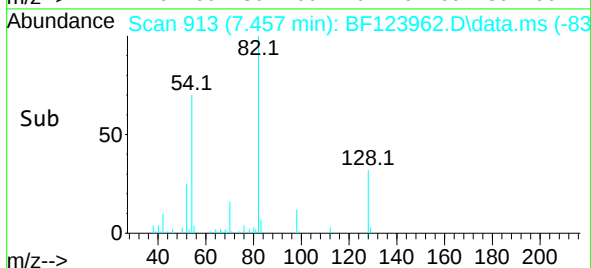
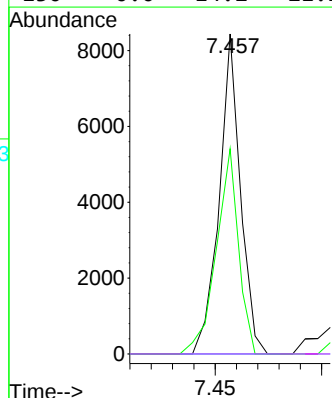
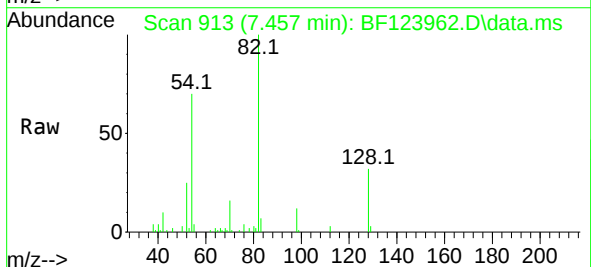
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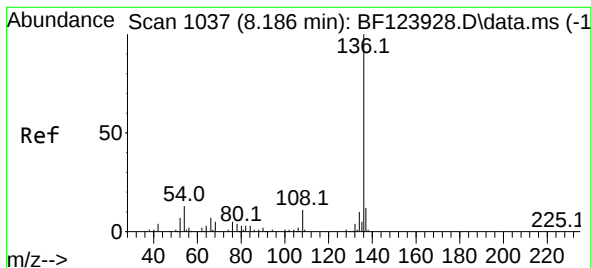
Tgt Ion:	99	Resp:	55874
Ion	Ratio	Lower	Upper
99	100		
42	25.2	19.8	29.8
71	43.7	31.1	46.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.40 ng
RT: 7.457 min Scan# 913
Delta R.T. 0.141 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

Tgt Ion:	70	Resp:	5831
Ion	Ratio	Lower	Upper
70	100		
42	64.2	60.1	90.1
101	0.0	7.4	11.2#
130	0.0	14.2	21.2#

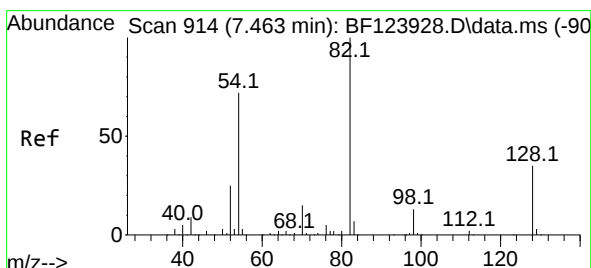
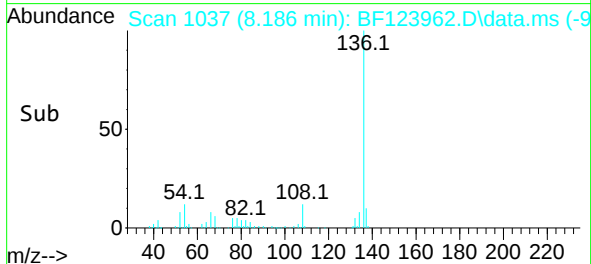
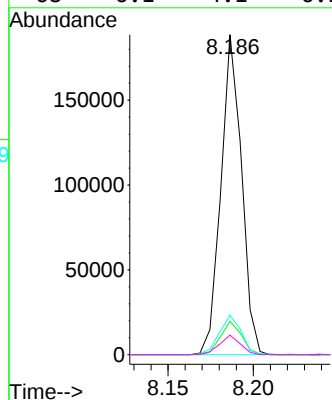
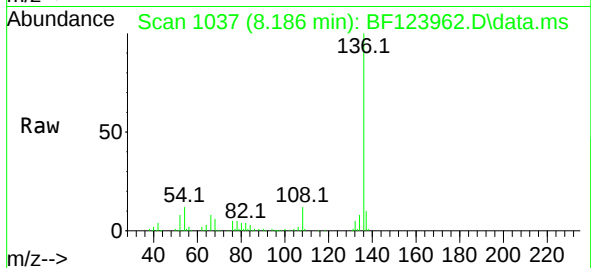




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

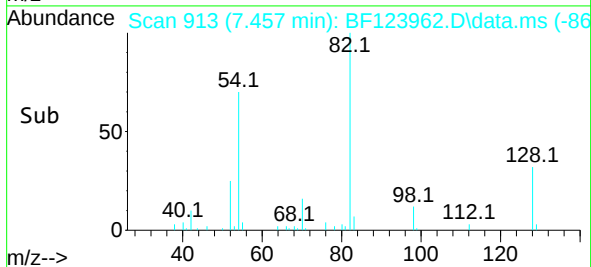
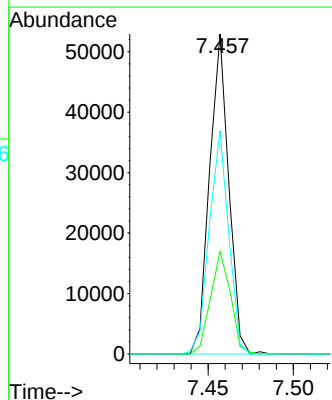
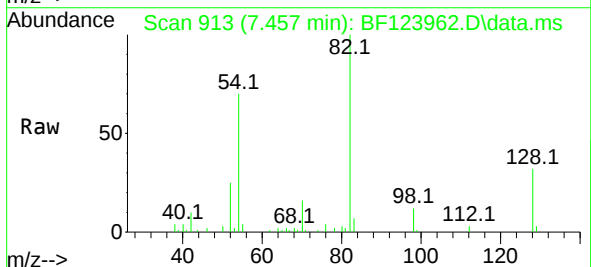
Instrument :
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KSB-02(7.5-9.5)DL

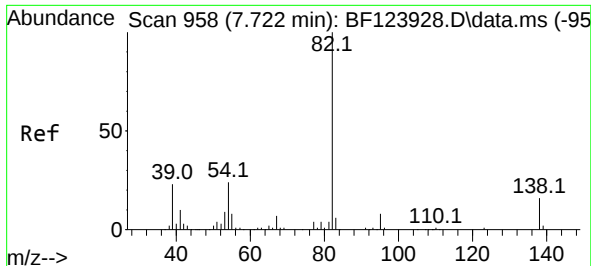
Tgt Ion:136	Resp:	158724
Ion Ratio	Lower	Upper
136	100	
137	10.4	8.7 13.1
54	12.4	9.8 14.6
68	6.1	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 11.19 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

Tgt Ion: 82	Resp:	41222
Ion Ratio	Lower	Upper
82	100	
128	32.0	29.4 44.2
54	69.7	54.1 81.1

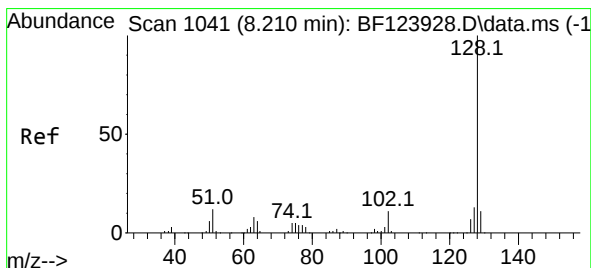
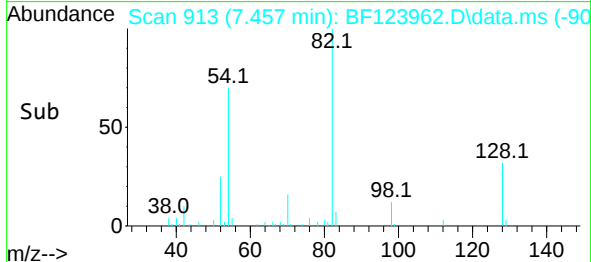
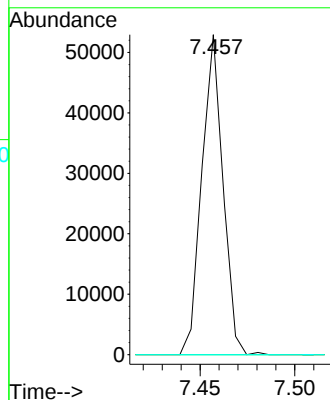
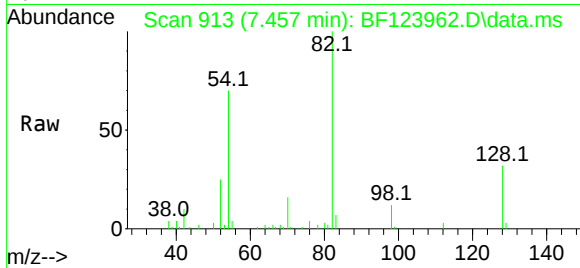




#25
Isophorone
Concen: 5.82 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.265 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

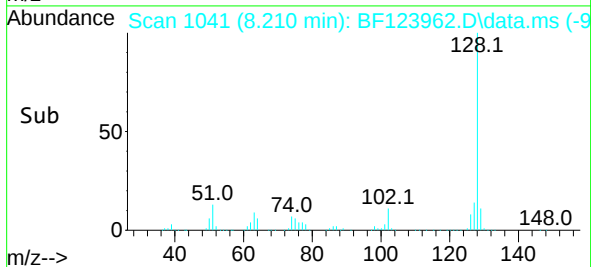
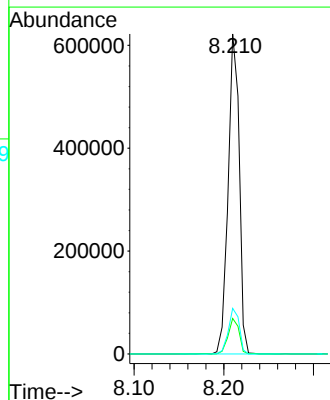
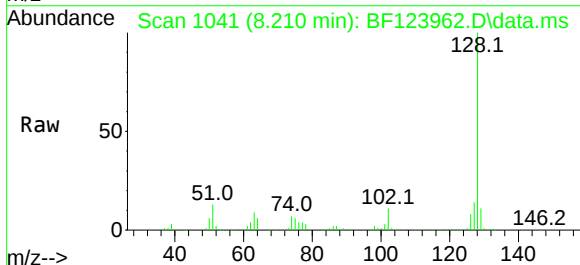
Instrument :
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KSB-02(7.5-9.5)DL

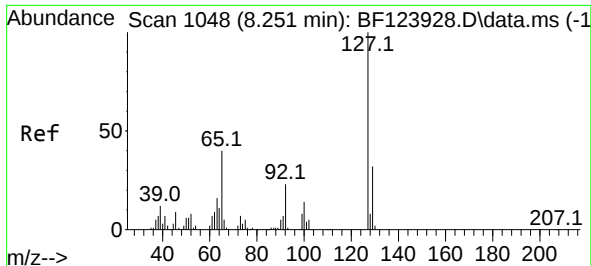
Tgt Ion: 82 Resp: 41221
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#31
Naphthalene
Concen: 56.99 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.000 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

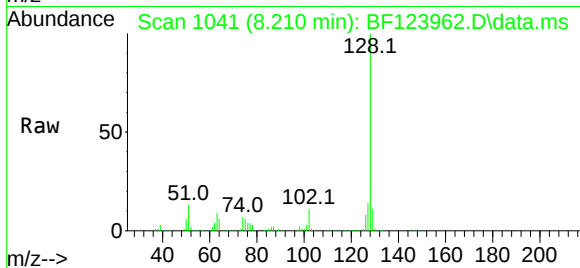
Tgt Ion: 128 Resp: 535371
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 14.3 10.8 16.2



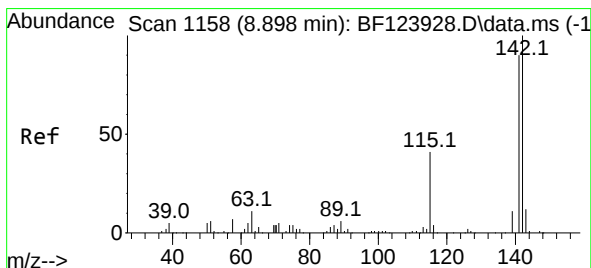
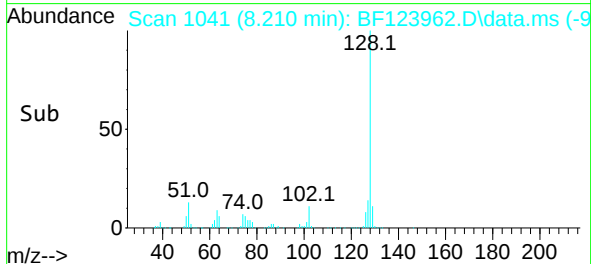
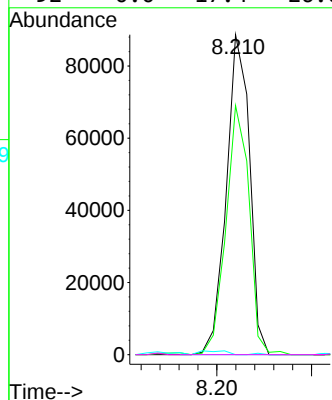


#33
4-Chloroaniline
Concen: 21.05 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.041 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

Instrument :
BNA_F
ClientSampleId :
KSB-02(7.5-9.5)DL

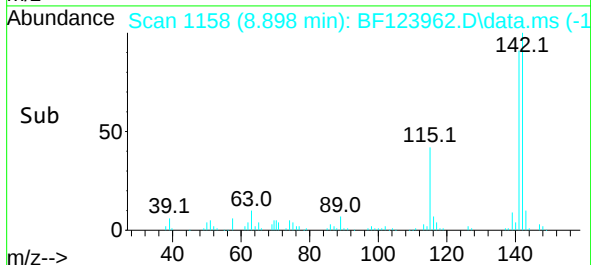
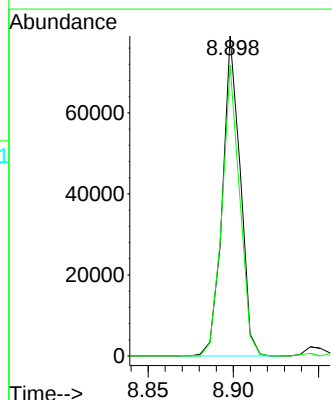
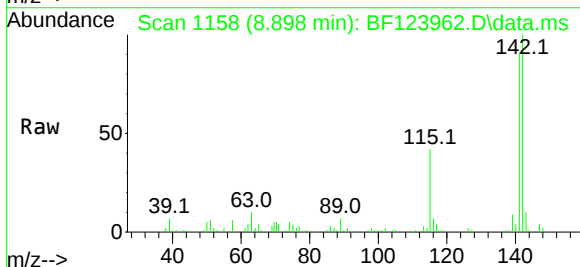


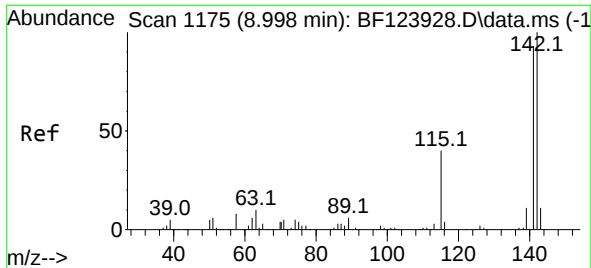
Tgt Ion:127 Resp: 75278
Ion Ratio Lower Upper
127 100
129 77.9 25.7 38.5#
65 0.0 34.5 51.7#
92 0.0 17.4 26.0#



#37
2-Methylnaphthalene
Concen: 8.99 ng
RT: 8.898 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

Tgt Ion:142 Resp: 57267
Ion Ratio Lower Upper
142 100
141 90.8 71.8 107.6

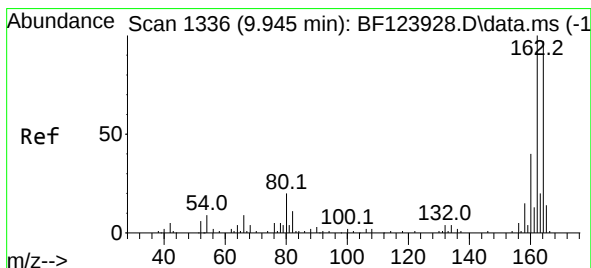
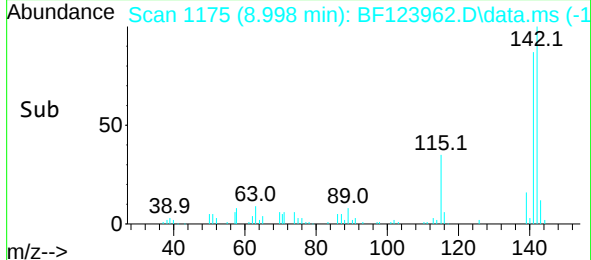
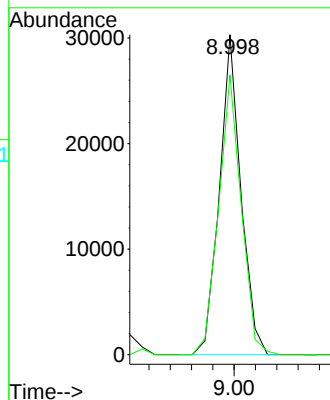
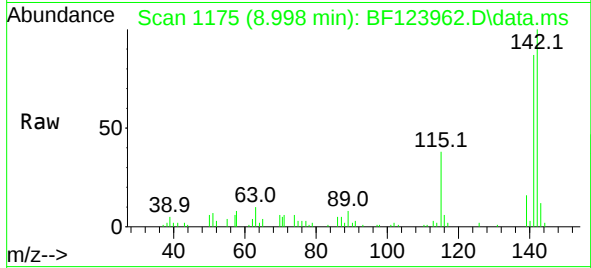




#38
1-Methylnaphthalene
Concen: 3.57 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

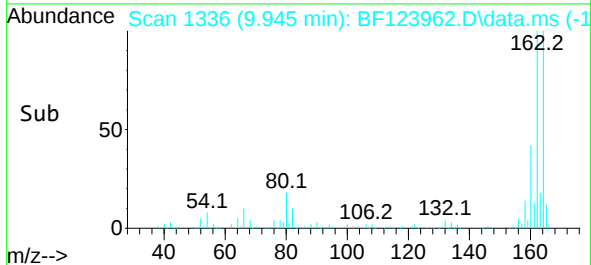
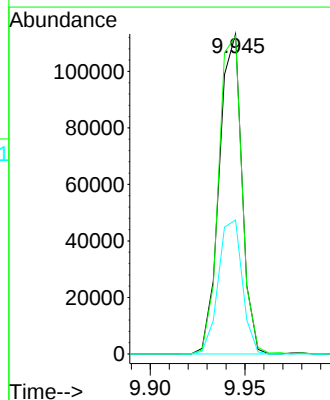
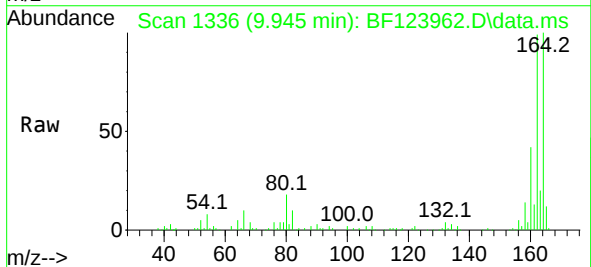
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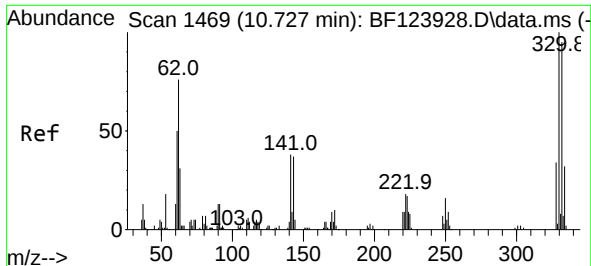
Tgt Ion:142 Resp: 21222
Ion Ratio Lower Upper
142 100
141 87.5 72.8 109.2



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

Tgt Ion:164 Resp: 93917
Ion Ratio Lower Upper
164 100
162 99.3 80.7 121.1
160 41.9 37.3 55.9

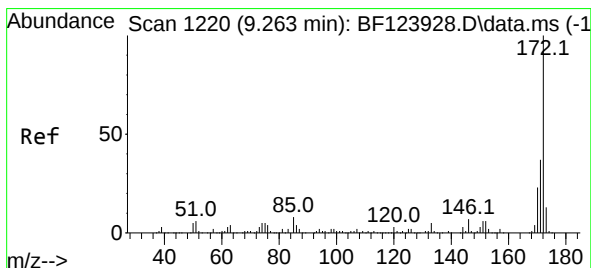
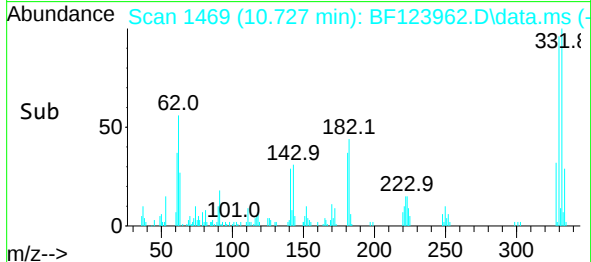
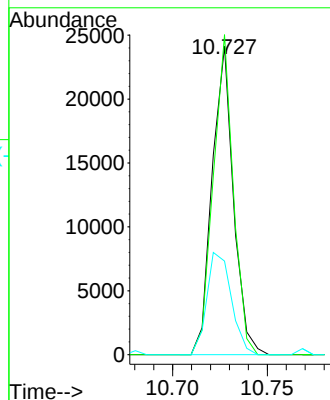
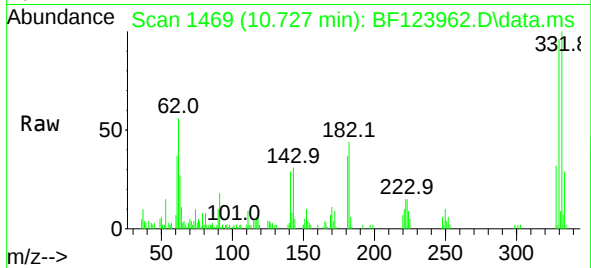




#42
2,4,6-Tribromophenol
Concen: 16.74 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.000 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

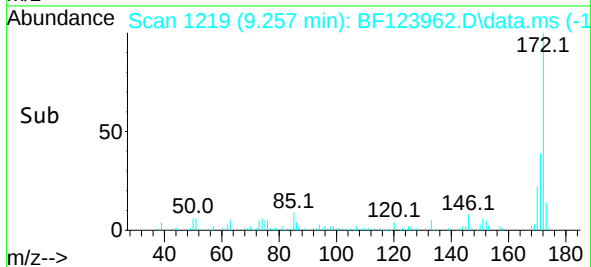
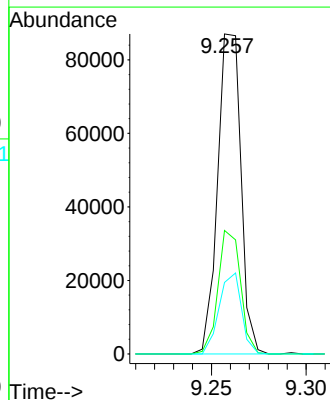
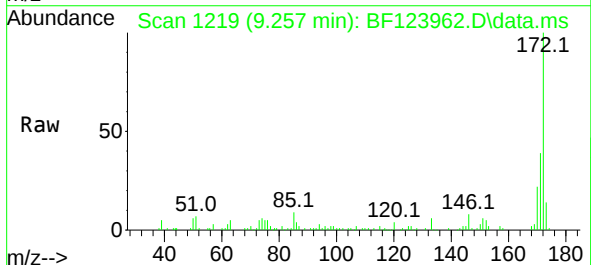
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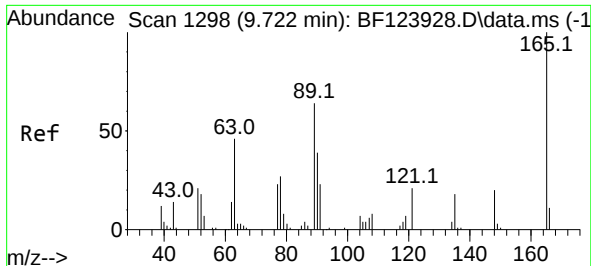
Tgt Ion:	330	Resp:	18881
Ion Ratio	Lower	Upper	
330	100		
332	97.5	77.1	115.7
141	38.1	27.9	41.9



#45
2-Fluorobiphenyl
Concen: 9.78 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

Tgt Ion:	172	Resp:	74626
Ion Ratio	Lower	Upper	
172	100		
171	38.6	28.1	42.1
170	22.3	19.2	28.8

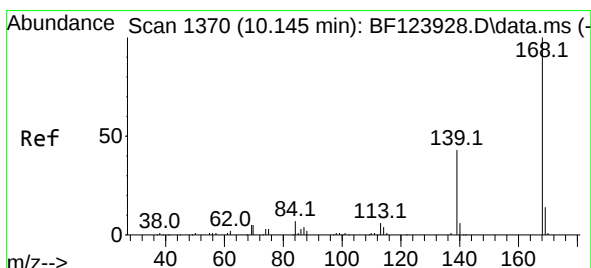
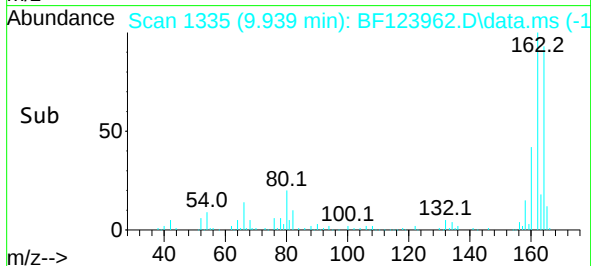
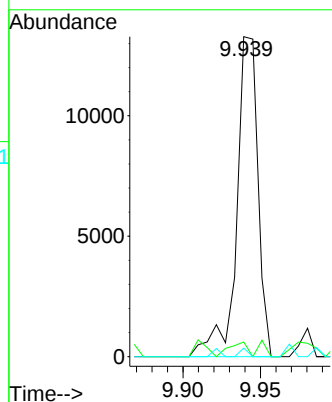
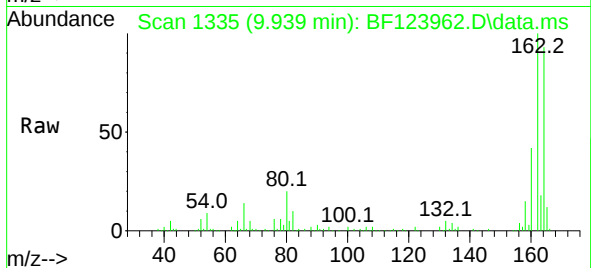




#51
2,6-Dinitrotoluene
Concen: 8.38 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.218 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

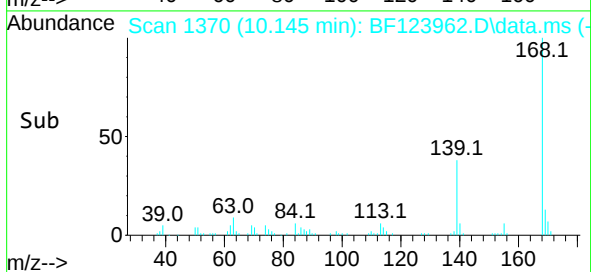
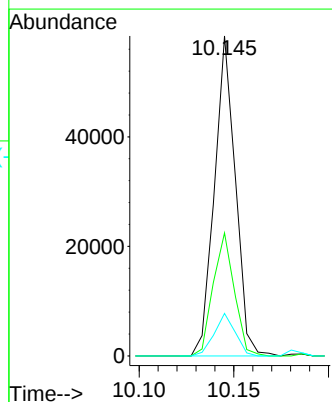
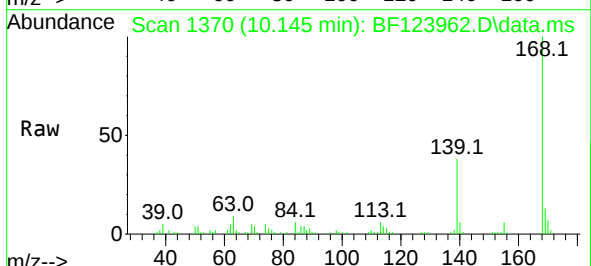
Instrument :
BNA_F
ClientSampleId :
KSB-02(7.5-9.5)DL

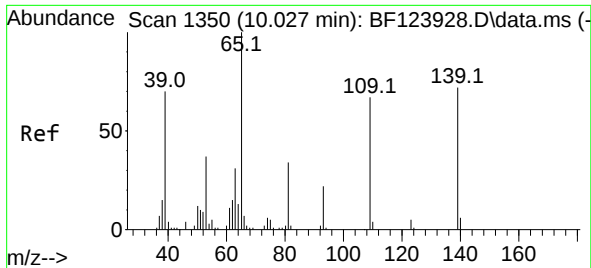
Tgt Ion:165 Resp: 12714
Ion Ratio Lower Upper
165 100
63 4.6 67.7 101.5#
89 2.7 58.8 88.2#



#55
Dibenzofuran
Concen: 4.71 ng
RT: 10.145 min Scan# 1370
Delta R.T. -0.000 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

Tgt Ion:168 Resp: 44944
Ion Ratio Lower Upper
168 100
139 38.4 33.2 49.8
169 13.3 10.8 16.2

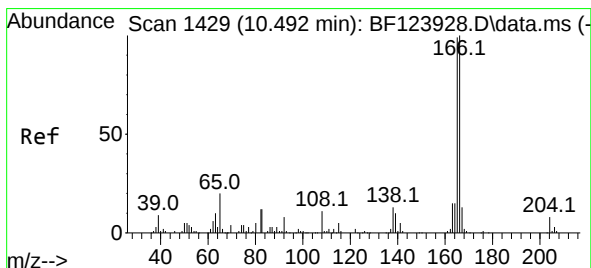
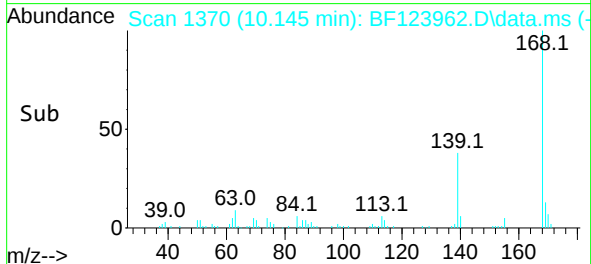
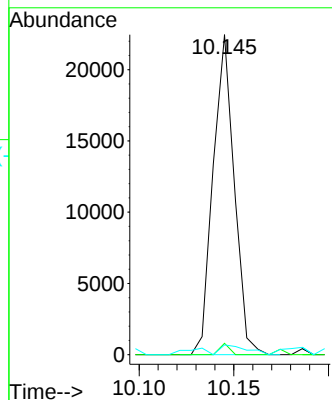
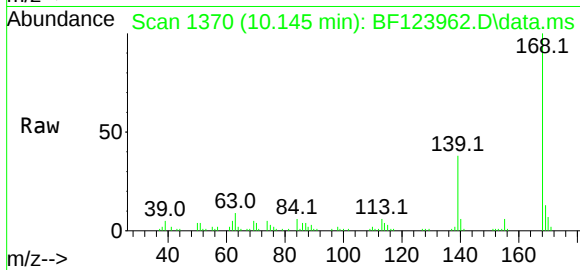




#56
4-Nitrophenol
Concen: 13.99 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.118 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

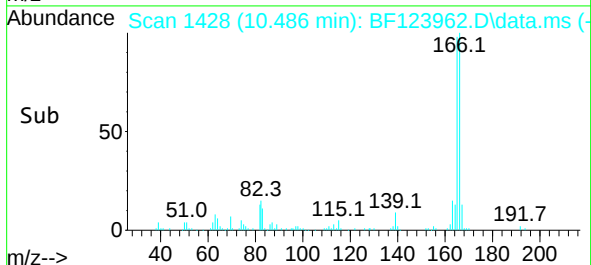
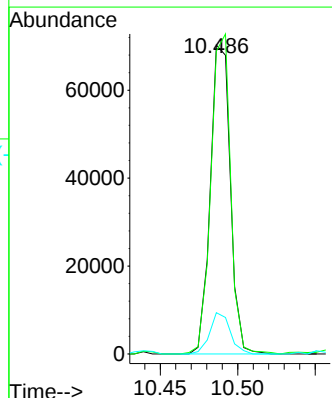
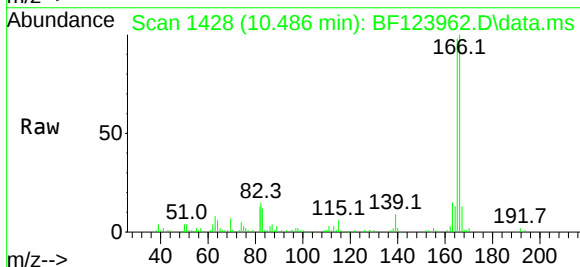
Instrument :
BNA_F
ClientSampleId :
KSB-02(7.5-9.5)DL

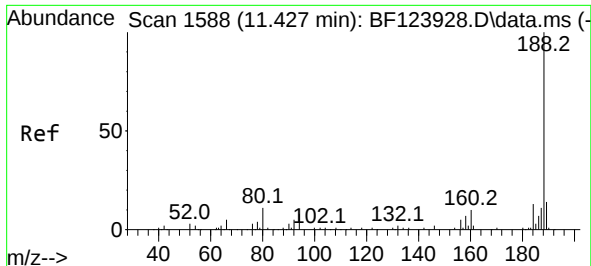
Tgt Ion:139 Resp: 17437
Ion Ratio Lower Upper
139 100
109 3.6 63.2 103.2#
65 3.0 110.0 150.0#



#58
Fluorene
Concen: 8.78 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

Tgt Ion:166 Resp: 63171
Ion Ratio Lower Upper
166 100
165 98.0 73.5 110.3
167 13.4 10.7 16.1

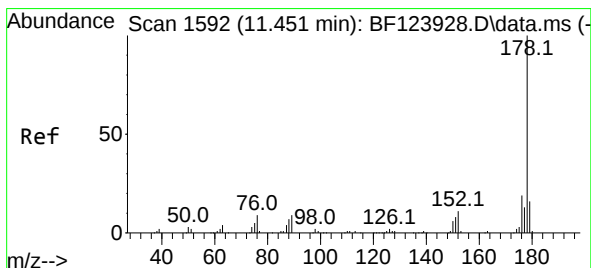
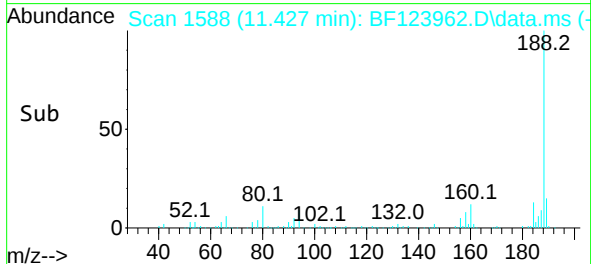
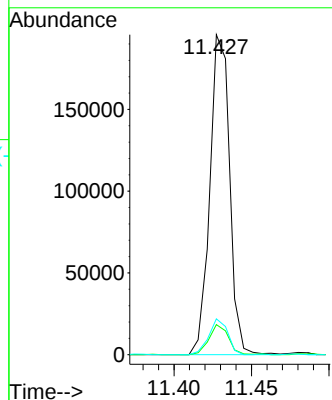
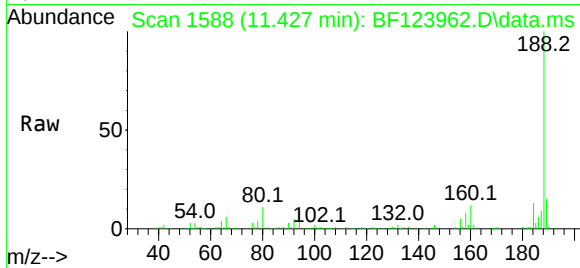




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

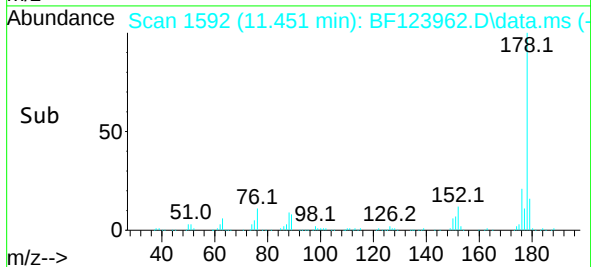
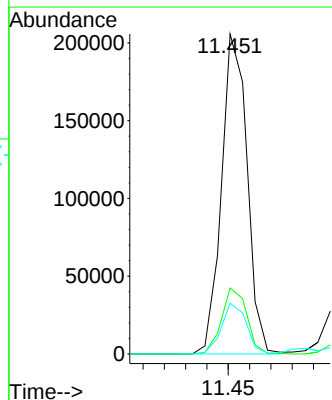
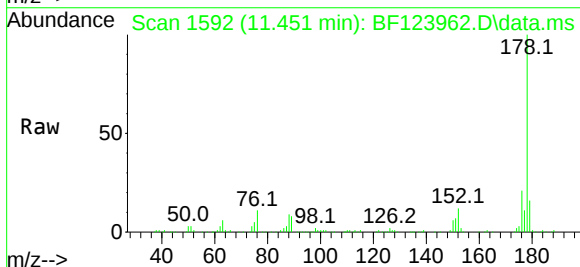
Instrument :
BNA_F
ClientSampleId :
KSB-02(7.5-9.5)DL

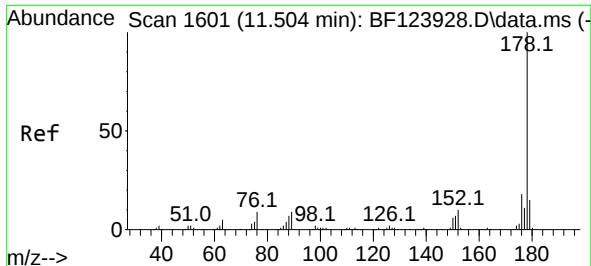
Tgt Ion:188 Resp: 173531
Ion Ratio Lower Upper
188 100
94 9.4 6.9 10.3
80 11.2 8.2 12.2



#71
Phenanthrene
Concen: 15.61 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.000 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

Tgt Ion:178 Resp: 171649
Ion Ratio Lower Upper
178 100
176 20.6 15.6 23.4
179 15.9 12.5 18.7

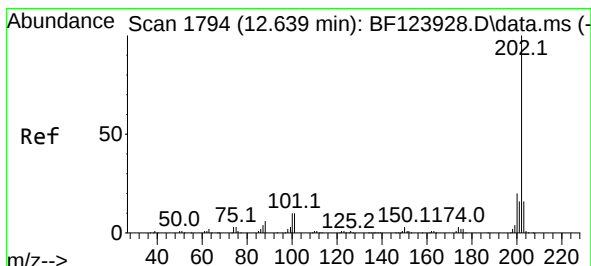
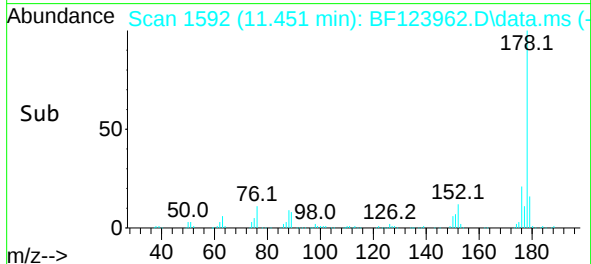
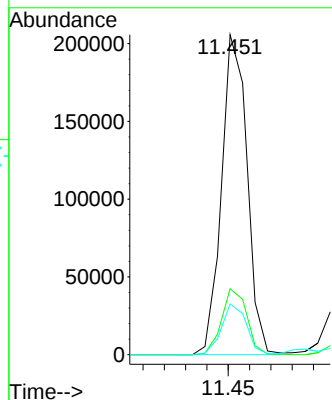
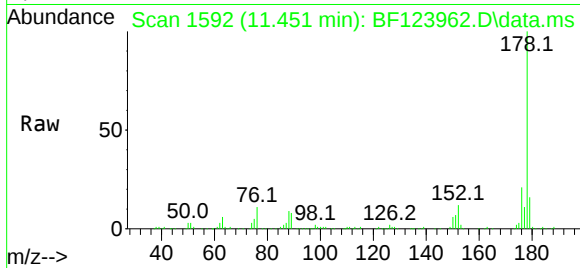




#72
 Anthracene
 Concen: 15.40 ng
 RT: 11.451 min Scan# 1592
 Delta R.T. -0.053 min
 Lab File: BF123962.D
 Acq: 17 May 2021 14:31

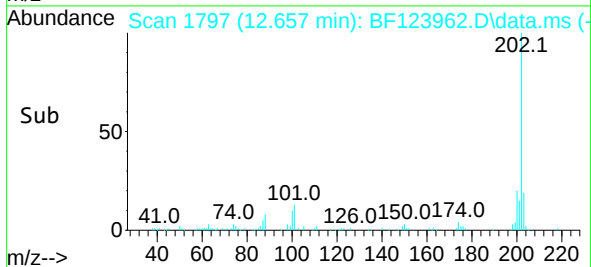
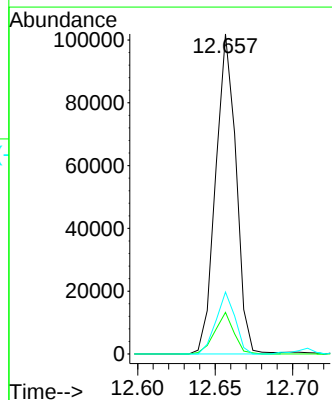
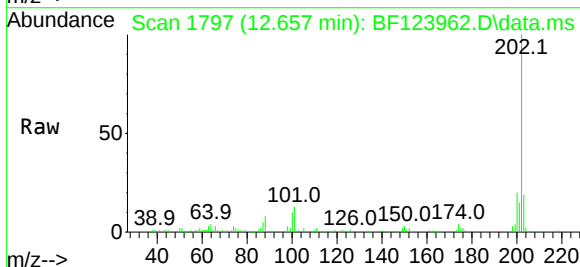
Instrument :
 BNA_F
 ClientSampleId :
 KSB-02(7.5-9.5)DL

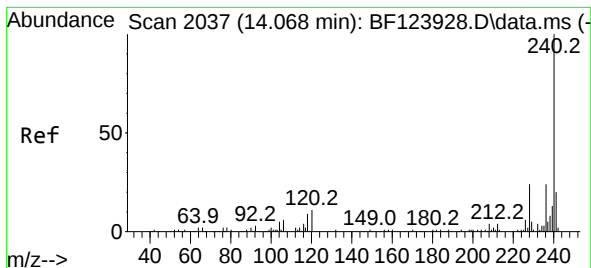
Tgt Ion:178 Resp: 171649
 Ion Ratio Lower Upper
 178 100
 176 20.6 15.4 23.0
 179 15.9 12.6 18.8



#75
 Fluoranthene
 Concen: 8.21 ng
 RT: 12.657 min Scan# 1797
 Delta R.T. 0.018 min
 Lab File: BF123962.D
 Acq: 17 May 2021 14:31

Tgt Ion:202 Resp: 93480
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 30.9
 203 19.4 0.0 37.5

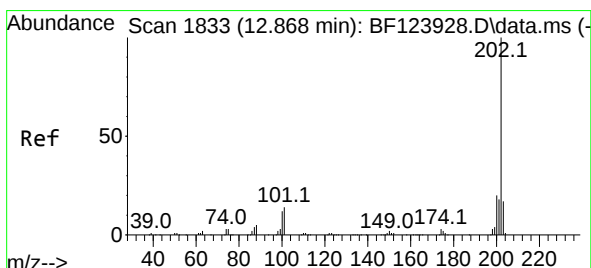
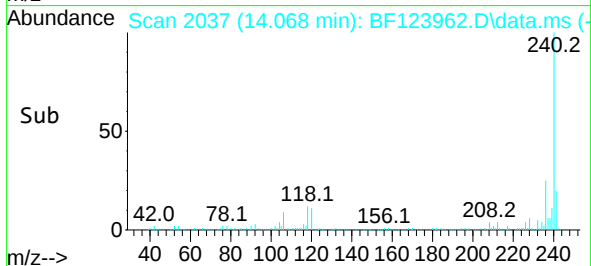
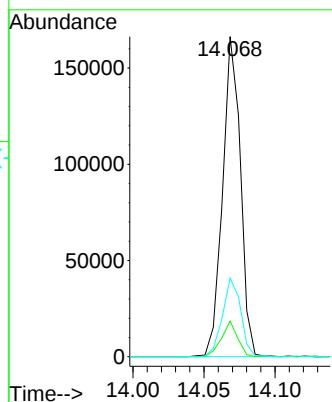
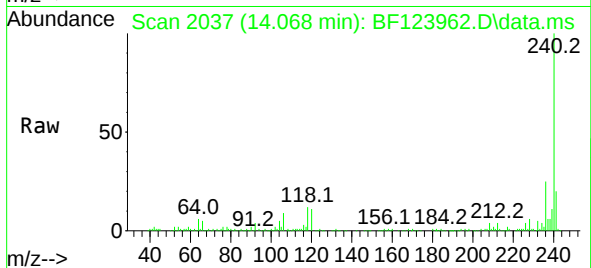




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

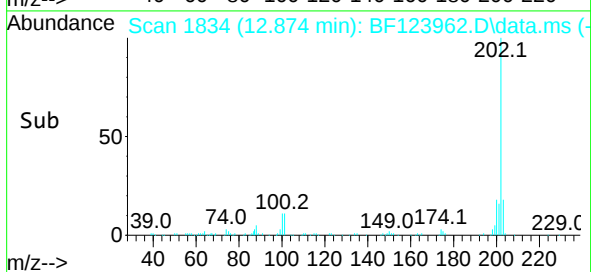
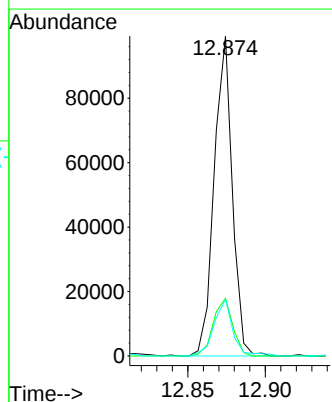
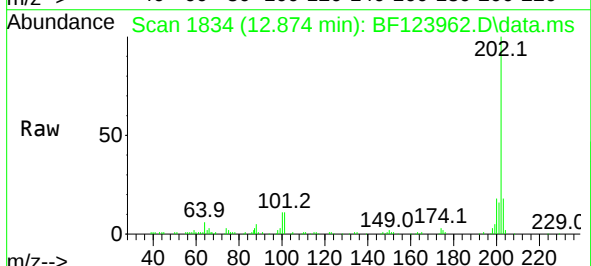
Instrument :
BNA_F
ClientSampleId :
KSB-02(7.5-9.5)DL

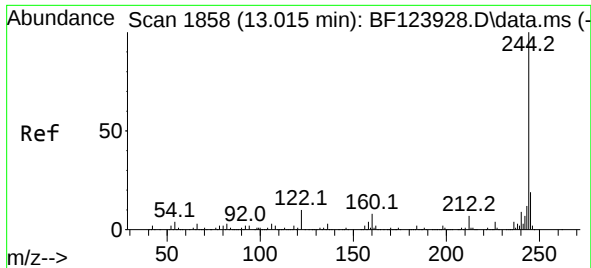
Tgt Ion:240 Resp: 144947
Ion Ratio Lower Upper
240 100
120 11.2 7.2 10.8#
236 24.6 19.0 28.4



#78
Pyrene
Concen: 6.26 ng
RT: 12.874 min Scan# 1834
Delta R.T. 0.006 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

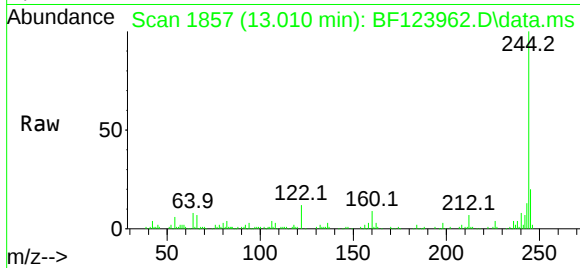
Tgt Ion:202 Resp: 80501
Ion Ratio Lower Upper
202 100
200 18.0 16.1 24.1
203 17.6 14.8 22.2



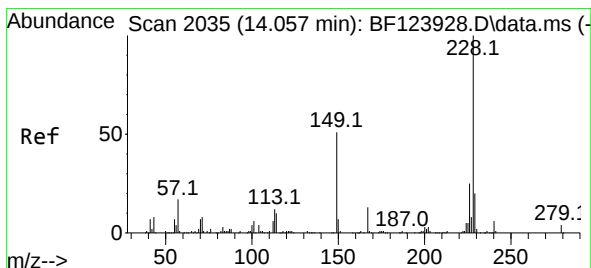
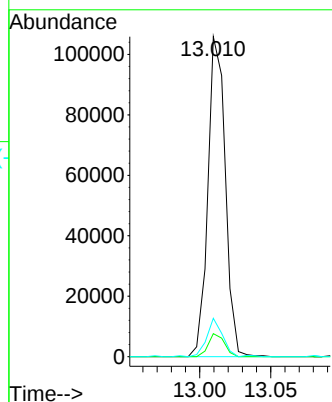
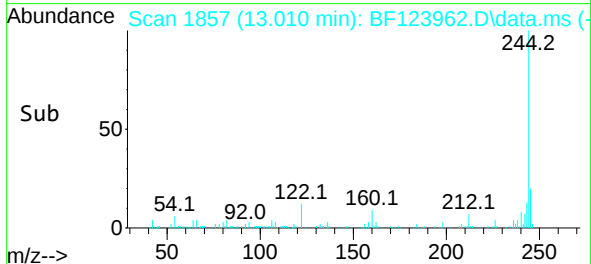


#79
 Terphenyl-d14
 Concen: 9.47 ng
 RT: 13.010 min Scan# 1857
 Delta R.T. -0.006 min
 Lab File: BF123962.D
 Acq: 17 May 2021 14:31

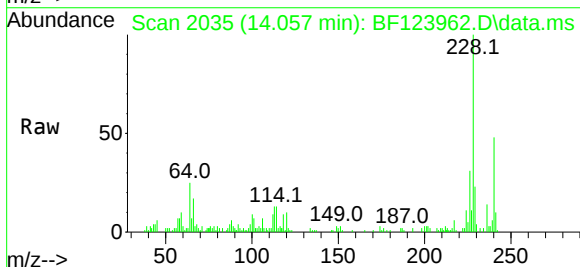
Instrument :
 BNA_F
 ClientSampleId :
 KSB-02(7.5-9.5)DL



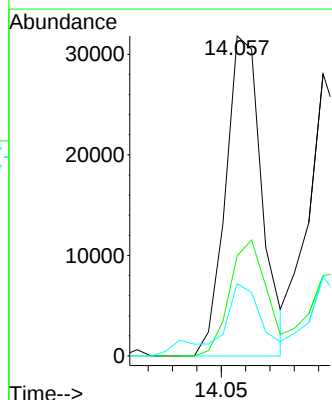
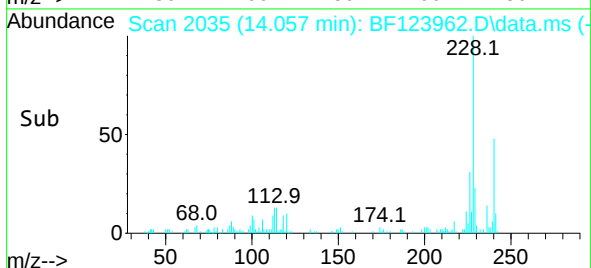
Tgt Ion:244 Resp: 90612
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 12.0 9.7 14.5

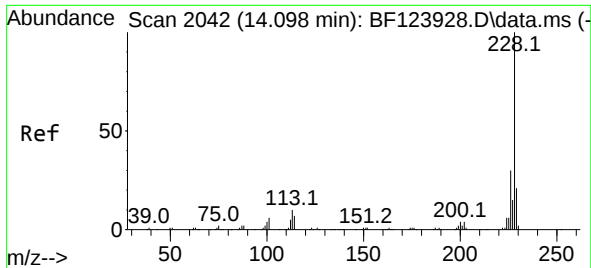


#81
 Benzo(a)anthracene
 Concen: 3.14 ng
 RT: 14.057 min Scan# 2035
 Delta R.T. -0.000 min
 Lab File: BF123962.D
 Acq: 17 May 2021 14:31



Tgt Ion:228 Resp: 32922
 Ion Ratio Lower Upper
 228 100
 226 31.3 22.4 33.6
 229 22.6 16.0 24.0

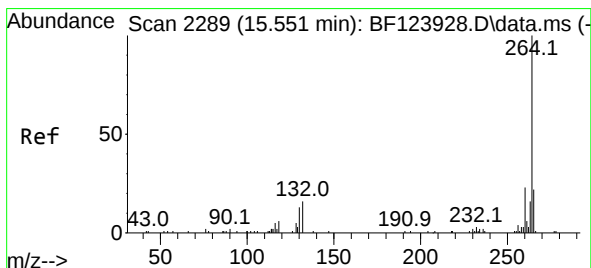
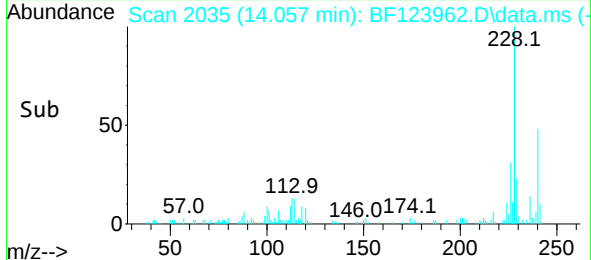
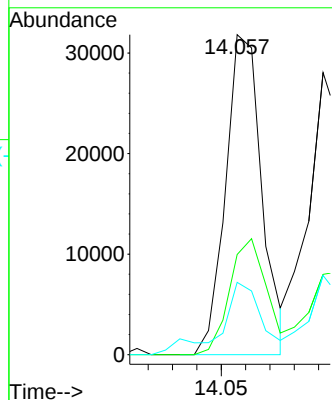
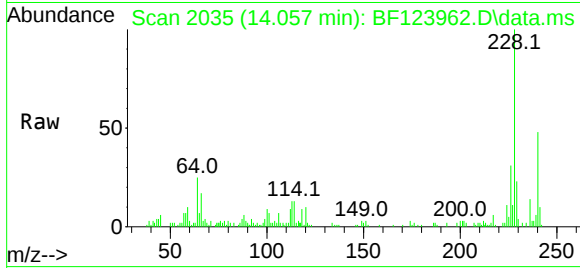




#83
Chrysene
Concen: 3.27 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.041 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

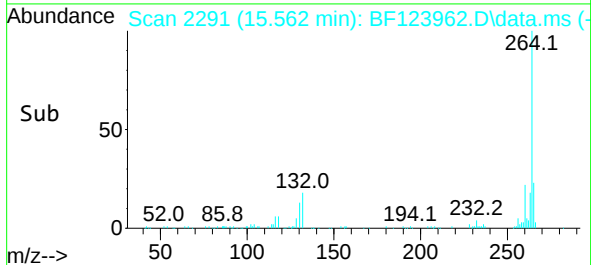
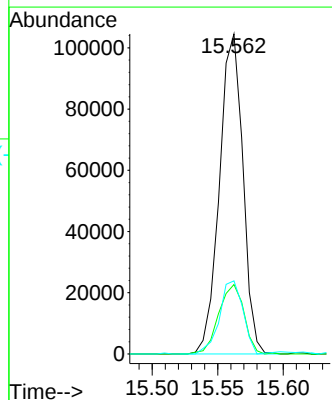
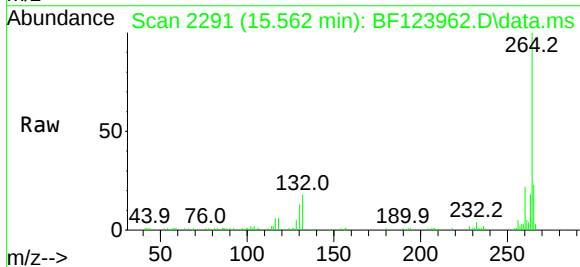
Instrument :
BNA_F
ClientSampleId :
KSB-02(7.5-9.5)DL

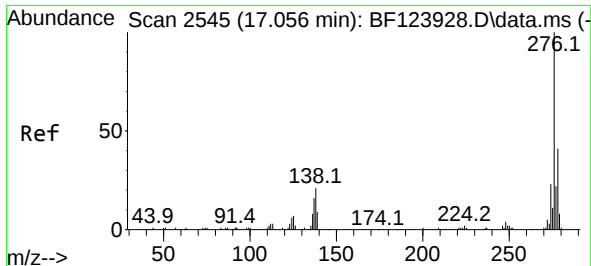
Tgt Ion:228	Resp:	32922
Ion Ratio	Lower	Upper
228	100	
226	31.3	24.3 36.5
229	22.6	16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.562 min Scan# 2291
Delta R.T. 0.012 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

Tgt Ion:264	Resp:	129830
Ion Ratio	Lower	Upper
264	100	
260	21.7	18.7 28.1
265	22.8	17.8 26.8

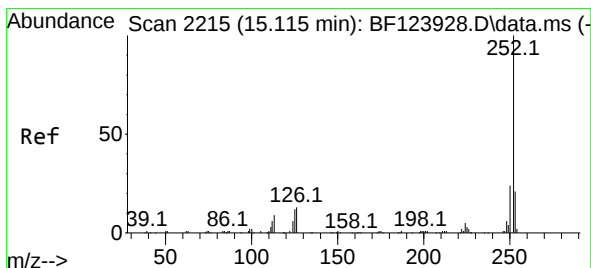
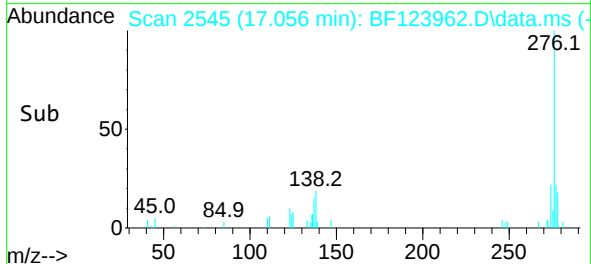
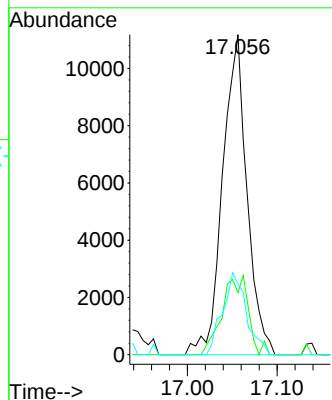
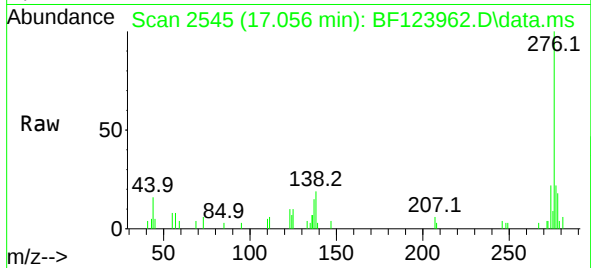




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.10 ng
 RT: 17.056 min Scan# 2545
 Delta R.T. -0.000 min
 Lab File: BF123962.D
 Acq: 17 May 2021 14:31

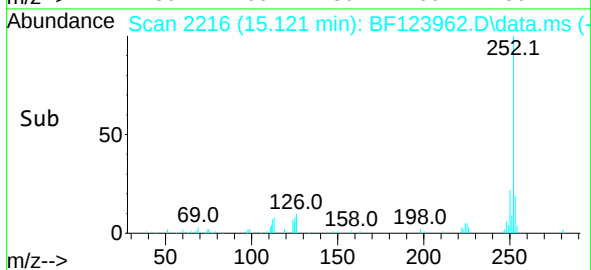
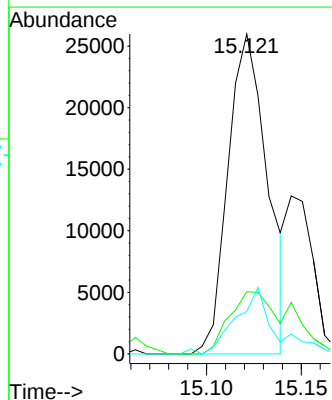
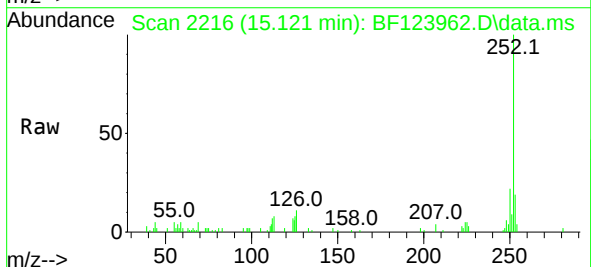
Instrument :
 BNA_F
 ClientSampleId :
 KSB-02(7.5-9.5)DL

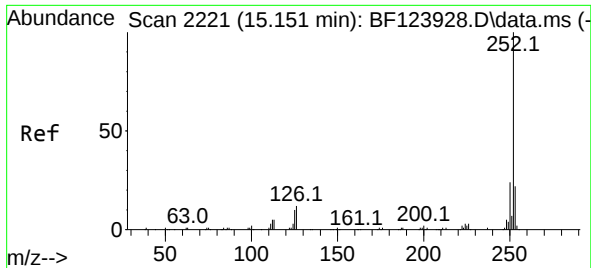
Tgt Ion:276 Resp: 21055
 Ion Ratio Lower Upper
 276 100
 138 26.5 16.2 24.2#
 277 25.1 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 3.74 ng
 RT: 15.121 min Scan# 2216
 Delta R.T. 0.006 min
 Lab File: BF123962.D
 Acq: 17 May 2021 14:31

Tgt Ion:252 Resp: 37576
 Ion Ratio Lower Upper
 252 100
 253 19.5 18.1 27.1
 125 13.3 6.2 9.4#

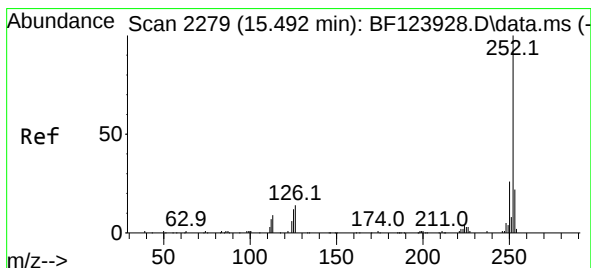
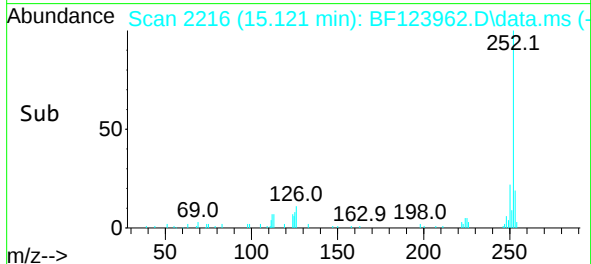
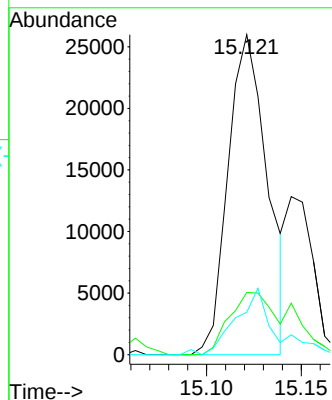
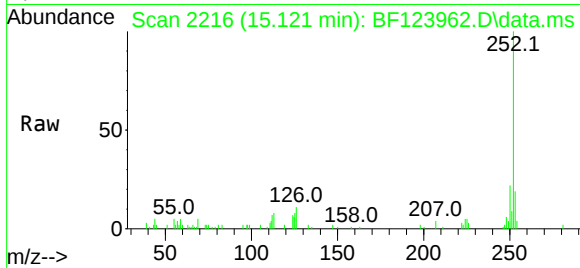




#89
Benzo(k)fluoranthene
Concen: 4.11 ng
RT: 15.121 min Scan# 2216
Delta R.T. -0.029 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

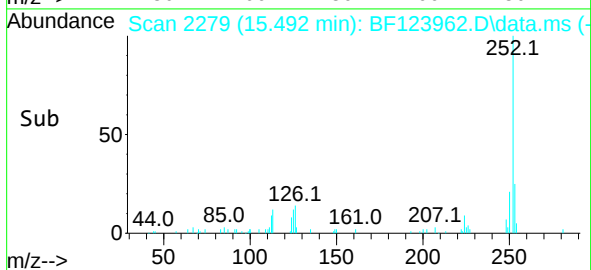
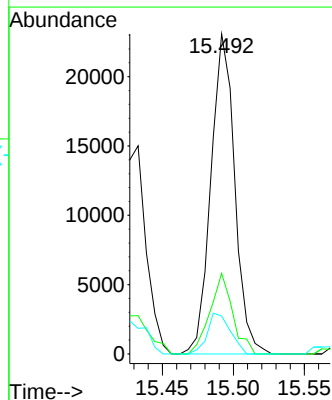
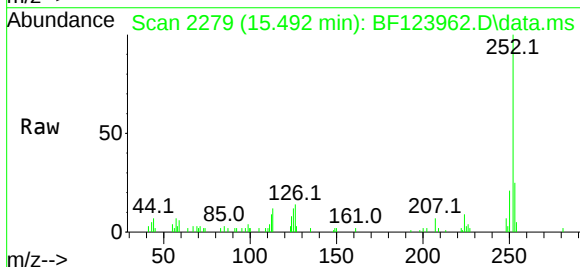
Instrument :
BNA_F
ClientSampleId :
KSB-02(7.5-9.5)DL

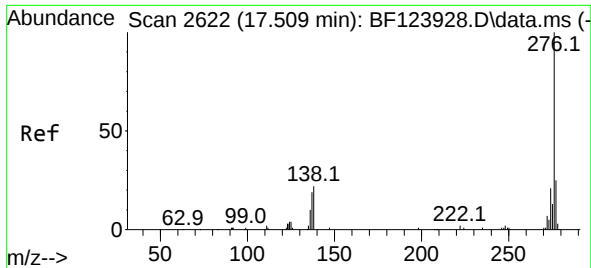
Tgt Ion:252 Resp: 37576
Ion Ratio Lower Upper
252 100
253 19.5 17.9 26.9
125 13.3 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 3.10 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF123962.D
Acq: 17 May 2021 14:31

Tgt Ion:252 Resp: 26881
Ion Ratio Lower Upper
252 100
253 25.2 18.4 27.6
125 11.9 8.0 12.0





#92

Benzo(g,h,i)perylene

Concen: 3.32 ng

RT: 17.503 min Scan# 2621

Delta R.T. -0.006 min

Lab File: BF123962.D

Acq: 17 May 2021 14:31

Tgt Ion: 276 Resp: 28142

Ion Ratio Lower Upper

276 100

277 23.7 18.2 27.2

138 20.1 13.8 20.6

