

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051721\
 Data File : BF123964.D
 Acq On : 17 May 2021 15:35
 Operator : JU/CG
 Sample : M2383-01DL 20X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KSB-01(6-8)DL

Quant Time: May 17 16:02:04 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)

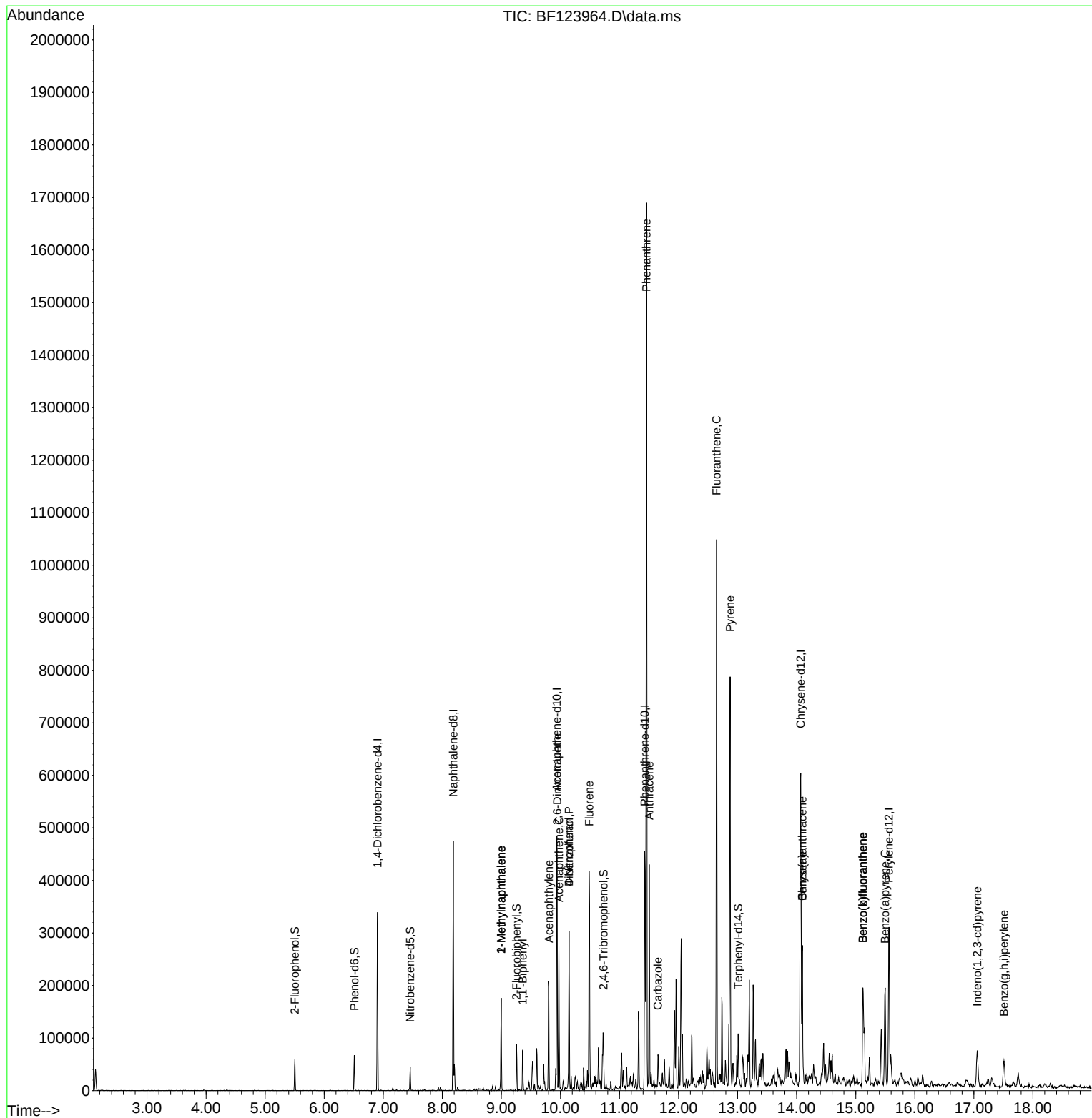
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	39978	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	156149	20.00	ng	0.00
39) Acenaphthene-d10	9.939	164	87074	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	165749	20.00	ng	0.00
76) Chrysene-d12	14.068	240	131565	20.00	ng	0.00
86) Perylene-d12	15.562	264	126081	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	11349	3.99	ng	0.00
7) Phenol-d6	6.510	99	15339	4.15	ng	-0.01
23) Nitrobenzene-d5	7.457	82	10341	2.85	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	3770	3.60	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	19486	2.75	ng	0.00
79) Terphenyl-d14	13.010	244	24253	2.79	ng	0.00
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	8.998	142	34583	5.52	ng	95
38) 1-Methylnaphthalene	8.998	142	34583	5.92	ng	97
46) 1,1'-Biphenyl	9.363	154	21038	2.74	ng	98
49) Acenaphthylene	9.804	152	67545	7.50	ng	95
51) 2,6-Dinitrotoluene	9.945	165	13259	9.43	ng	# 12
52) Acenaphthene	9.974	154	43989	7.14	ng	96
55) Dibenzofuran	10.145	168	86162	9.74	ng	96
56) 4-Nitrophenol	10.145	139	33739	29.19	ng	# 1
58) Fluorene	10.486	166	96429	14.46	ng	90
71) Phenanthrene	11.457	178	538129	51.23	ng	99
72) Anthracene	11.504	178	122173	11.48	ng	97
73) Carbazole	11.651	167	22833	2.45	ng	99
75) Fluoranthene	12.645	202	354964	32.63	ng	99
78) Pyrene	12.874	202	277589	23.77	ng	98
81) Benzo(a)anthracene	14.098	228	94149	9.89	ng	96
83) Chrysene	14.098	228	94149	10.29	ng	98
87) Indeno(1,2,3-cd)pyrene	17.056	276	42286	4.34	ng	95
88) Benzo(b)fluoranthene	15.121	252	137450	14.09	ng	# 93
89) Benzo(k)fluoranthene	15.121	252	137450	15.46	ng	# 93
90) Benzo(a)pyrene	15.498	252	85596	10.15	ng	98
92) Benzo(g,h,i)perylene	17.509	276	38355	4.66	ng	# 92

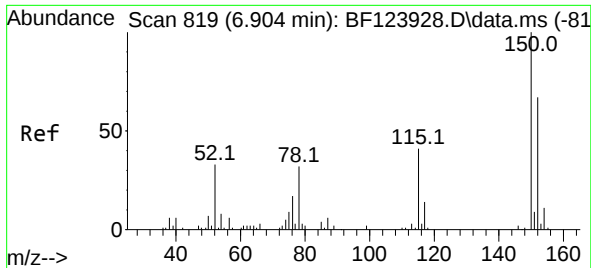
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 14 19:05:57 2021
Response via : Initial Calibration

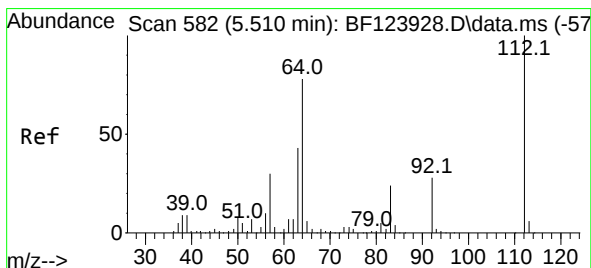
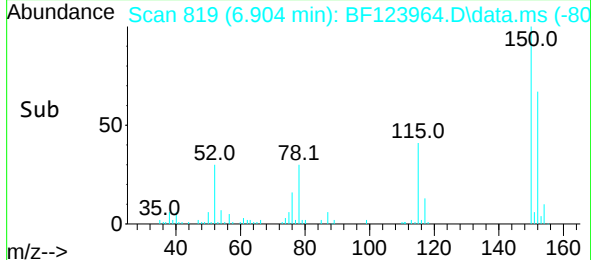
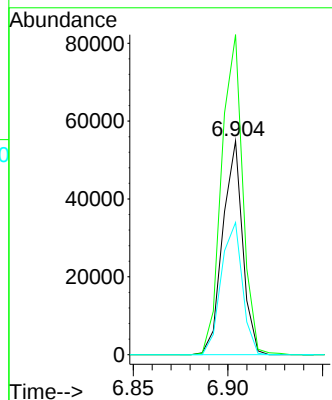
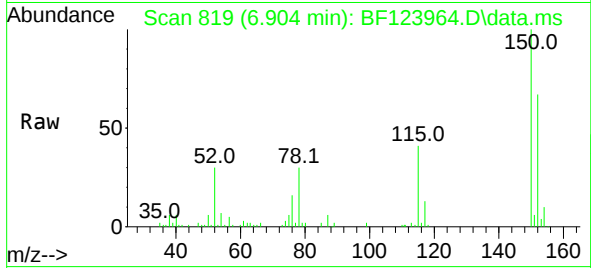




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

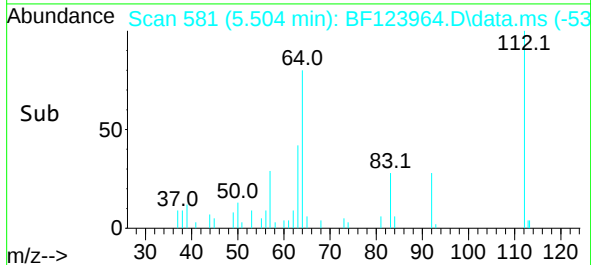
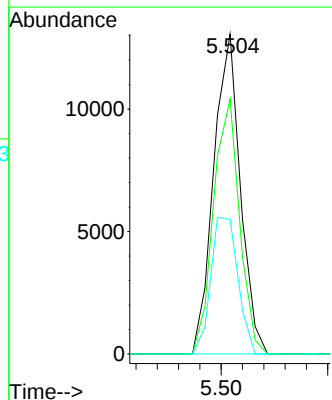
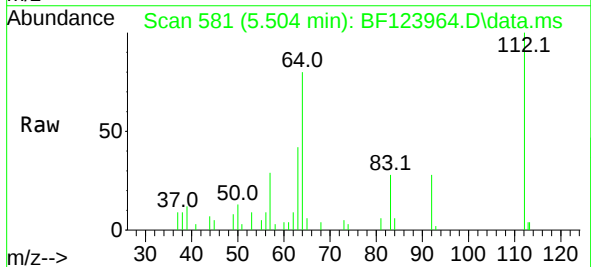
Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)DL

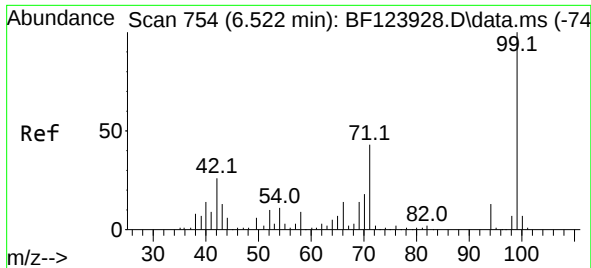
Tgt Ion:152 Resp: 39978
Ion Ratio Lower Upper
152 100
150 149.7 127.0 190.6
115 61.8 54.3 81.5



#5
2-Fluorophenol
Concen: 3.99 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

Tgt Ion:112 Resp: 11349
Ion Ratio Lower Upper
112 100
64 79.7 61.4 92.0
63 42.0 33.0 49.4

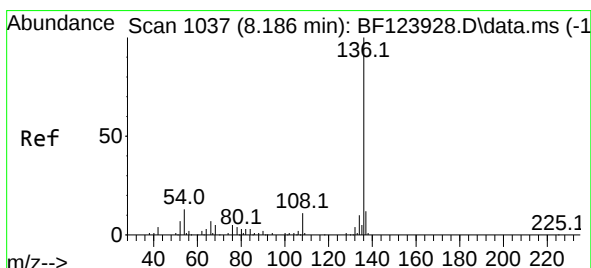
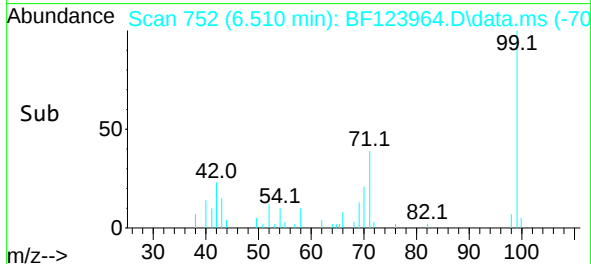
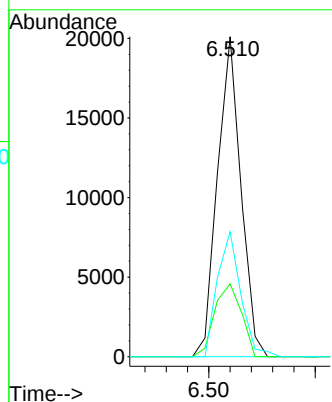
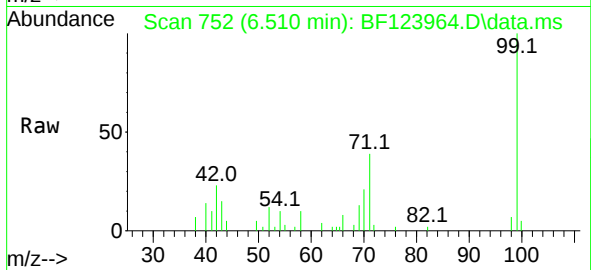




#7
Phenol-d6
Concen: 4.15 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

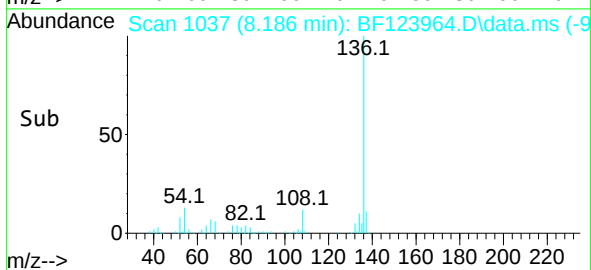
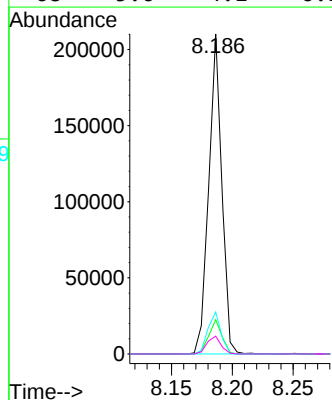
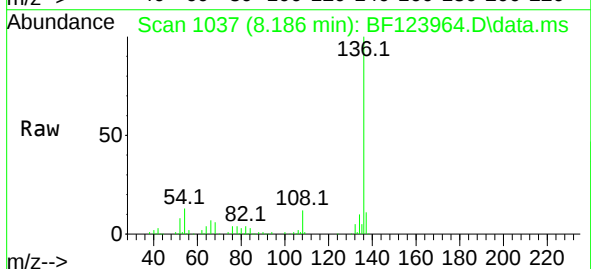
Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)DL

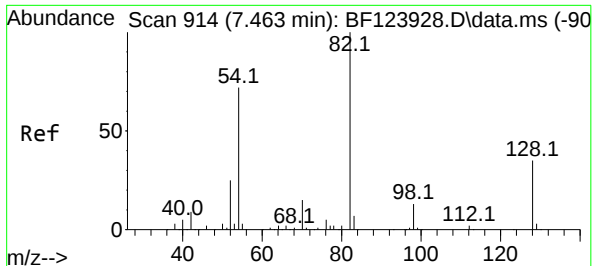
Tgt Ion:	99	Resp:	15339
Ion	Ratio	Lower	Upper
99	100		
42	22.8	19.8	29.8
71	39.1	31.1	46.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

Tgt Ion:	136	Resp:	156149
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	13.1	9.8	14.6
68	5.6	4.1	6.1





#23

Nitrobenzene-d5

Concen: 2.85 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF123964.D

Acq: 17 May 2021 15:35

Tgt Ion: 82 Resp: 10341

Ion Ratio Lower Upper

82 100

128 32.9 29.4 44.2

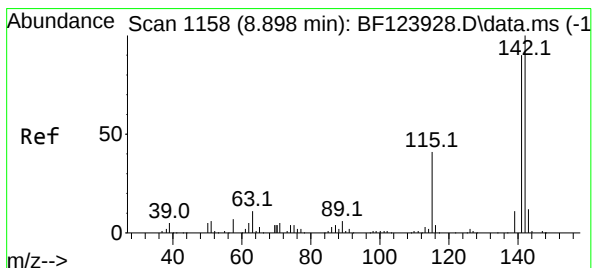
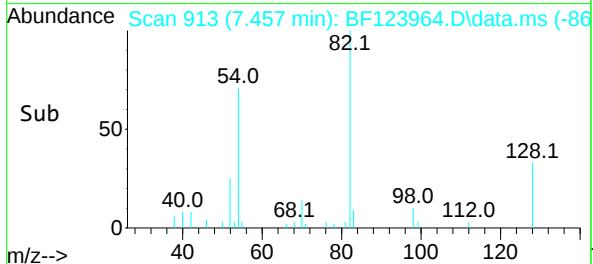
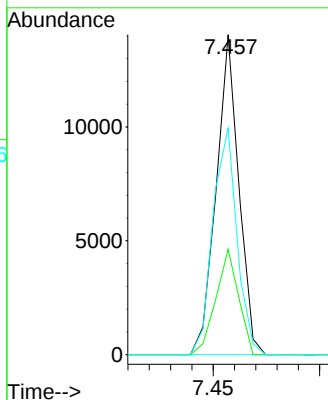
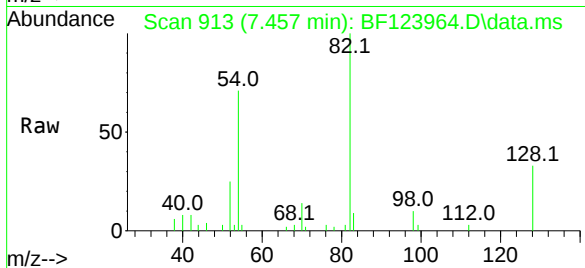
54 70.7 54.1 81.1

Instrument :

BNA_F

ClientSampleId :

KSB-01(6-8)DL



#37

2-Methylnaphthalene

Concen: 5.52 ng

RT: 8.998 min Scan# 1175

Delta R.T. 0.100 min

Lab File: BF123964.D

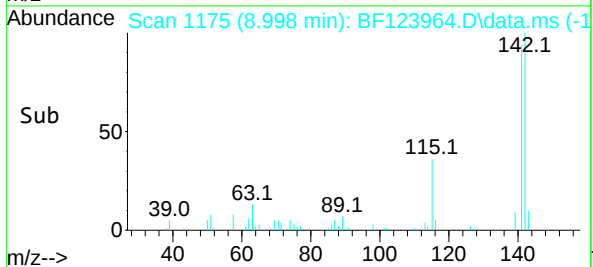
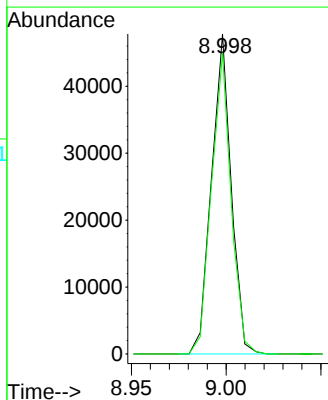
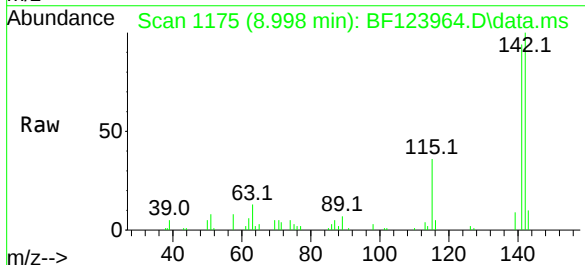
Acq: 17 May 2021 15:35

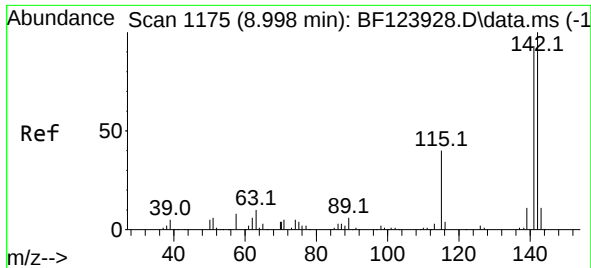
Tgt Ion:142 Resp: 34583

Ion Ratio Lower Upper

142 100

141 94.1 71.8 107.6

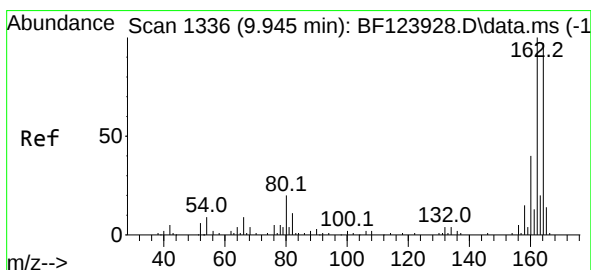
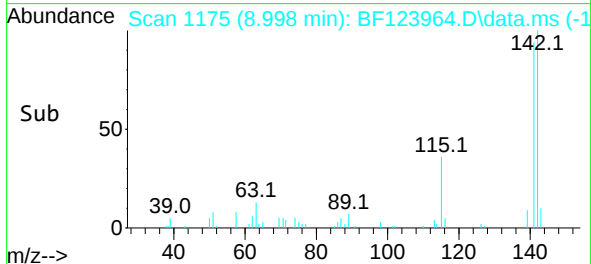
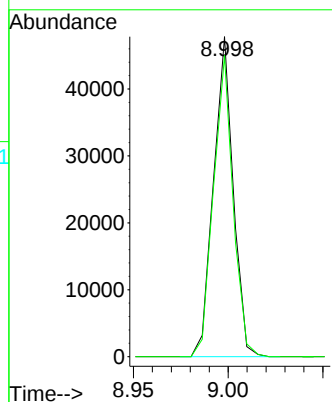
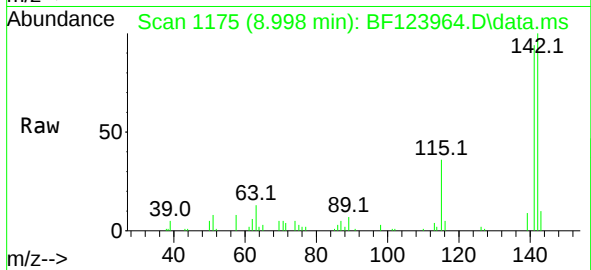




#38
1-Methylnaphthalene
Concen: 5.92 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

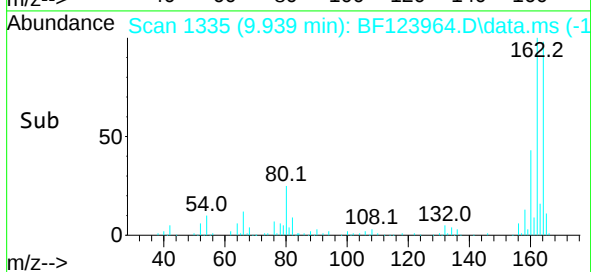
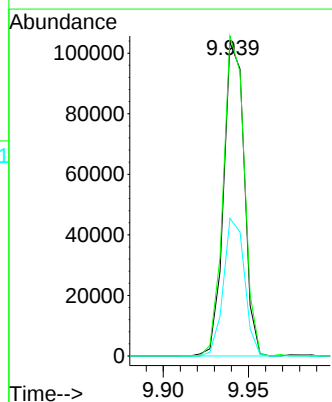
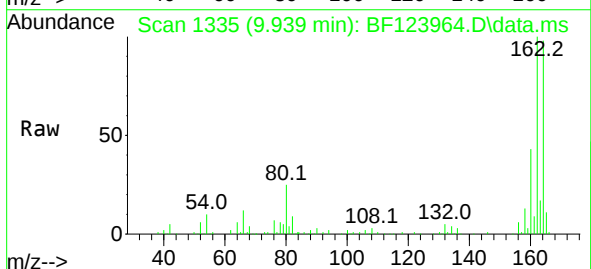
Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)DL

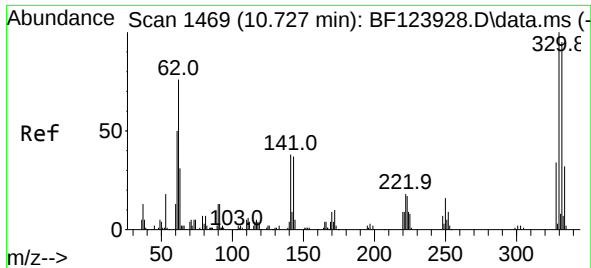
Tgt Ion:142 Resp: 34583
Ion Ratio Lower Upper
142 100
141 94.1 72.8 109.2



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

Tgt Ion:164 Resp: 87074
Ion Ratio Lower Upper
164 100
162 102.0 80.7 121.1
160 43.9 37.3 55.9

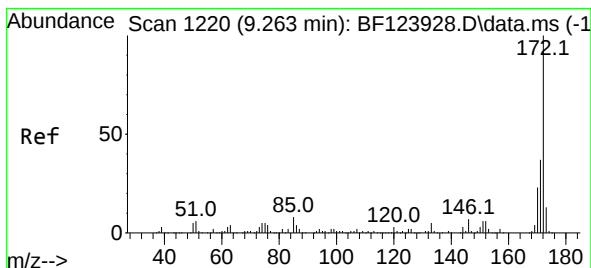
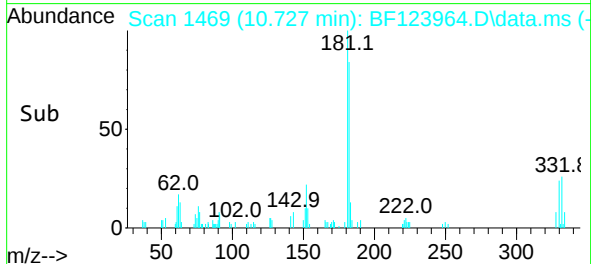
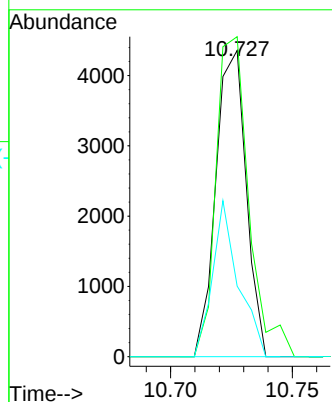
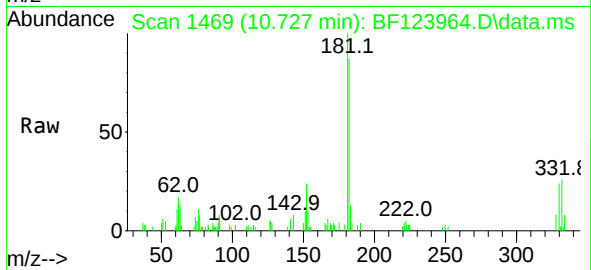




#42
2,4,6-Tribromophenol
Concen: 3.60 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.000 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

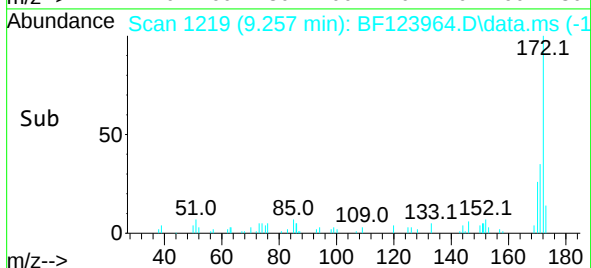
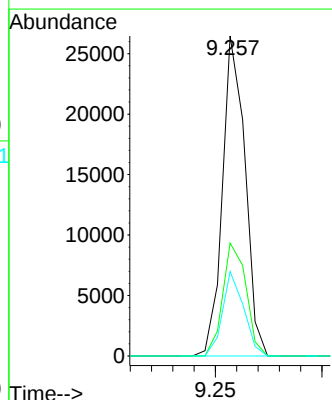
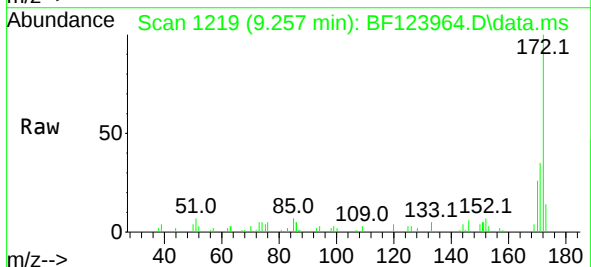
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BNA_F
ClientSampleID :
KSB-01(6-8)DL

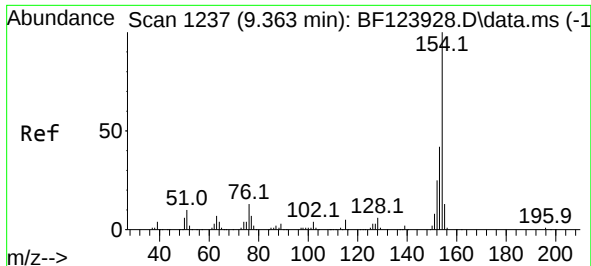
Tgt Ion: 330 Resp: 3770
Ion Ratio Lower Upper
330 100
332 113.1 77.1 115.7
141 43.5 27.9 41.9#



#45
2-Fluorobiphenyl
Concen: 2.75 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

Tgt Ion: 172 Resp: 19486
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 26.4 19.2 28.8





#46

1,1'-Biphenyl

Concen: 2.74 ng

RT: 9.363 min Scan# 1237

Delta R.T. -0.000 min

Lab File: BF123964.D

Acq: 17 May 2021 15:35

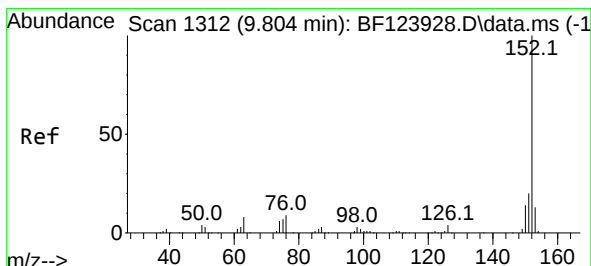
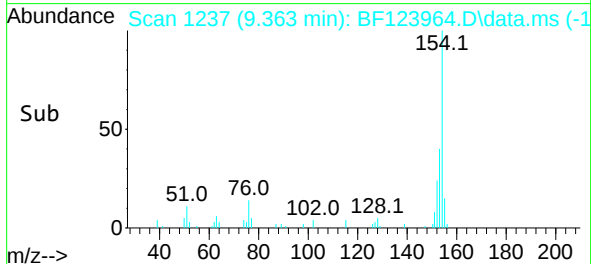
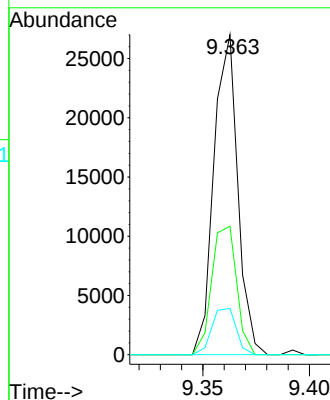
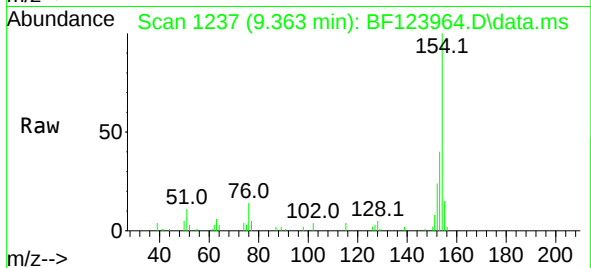
Instrument :

BNA_F

ClientSampleId :

KSB-01(6-8)DL

Tgt Ion:154	Resp:	21038
Ion Ratio	Lower	Upper
154	100	
153	40.2	20.7 60.7
76	14.5	0.0 31.7



#49

Acenaphthylene

Concen: 7.50 ng

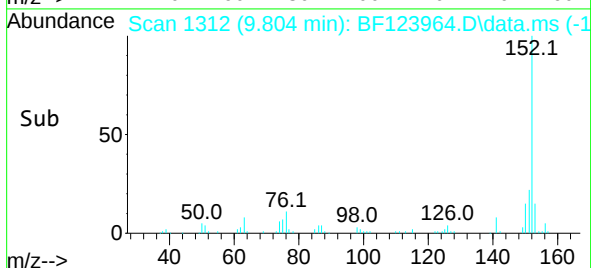
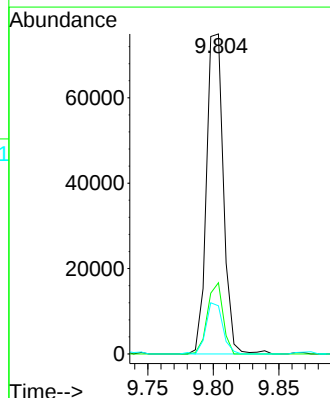
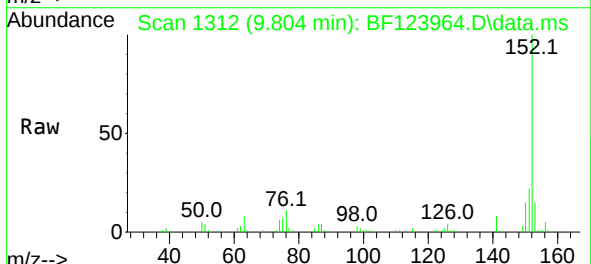
RT: 9.804 min Scan# 1312

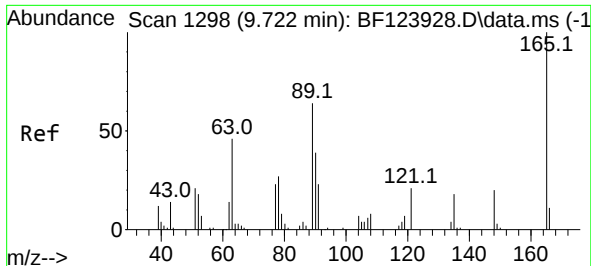
Delta R.T. -0.000 min

Lab File: BF123964.D

Acq: 17 May 2021 15:35

Tgt Ion:152	Resp:	67545
Ion Ratio	Lower	Upper
152	100	
151	22.2	16.0 24.0
153	15.0	10.4 15.6

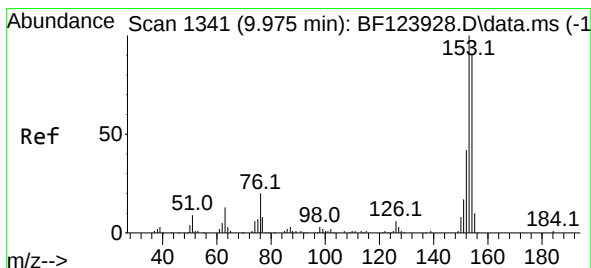
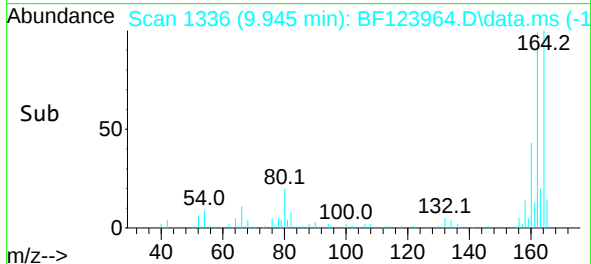
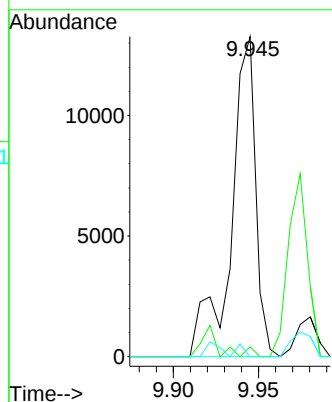
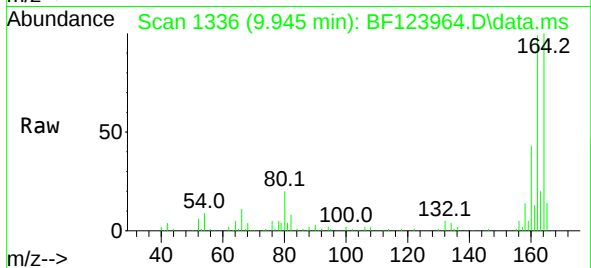




#51
2,6-Dinitrotoluene
Concen: 9.43 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.223 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

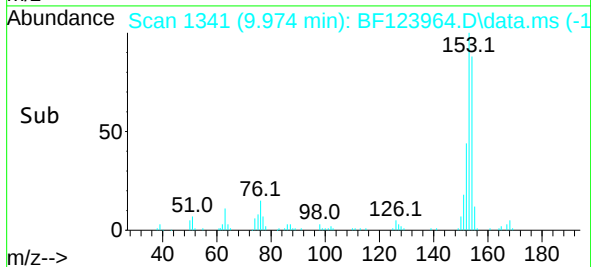
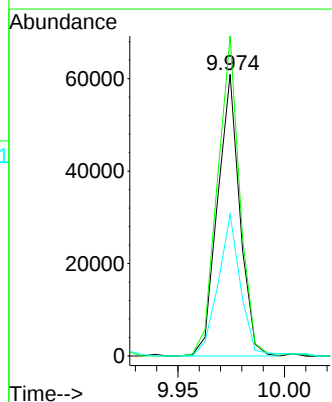
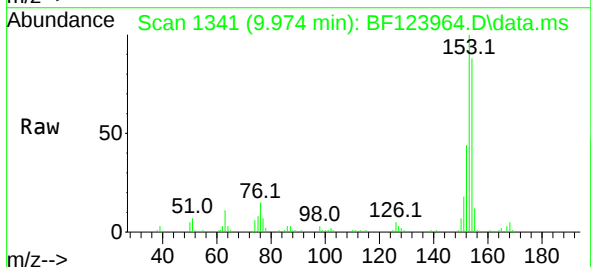
Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)DL

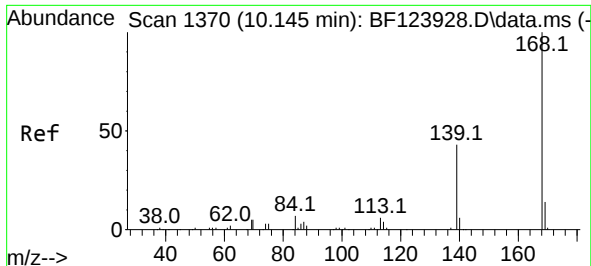
Tgt Ion:165 Resp: 13259
Ion Ratio Lower Upper
165 100
63 3.1 67.7 101.5#
89 0.0 58.8 88.2#



#52
Acenaphthene
Concen: 7.14 ng
RT: 9.974 min Scan# 1341
Delta R.T. -0.000 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

Tgt Ion:154 Resp: 43989
Ion Ratio Lower Upper
154 100
153 113.6 88.1 132.1
152 50.3 43.4 65.0

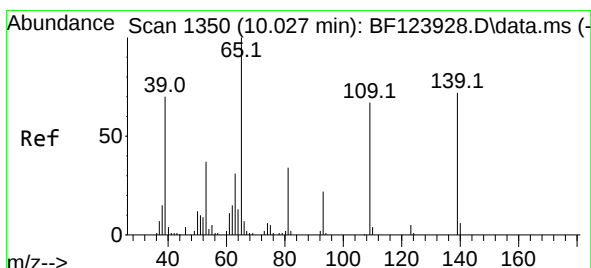
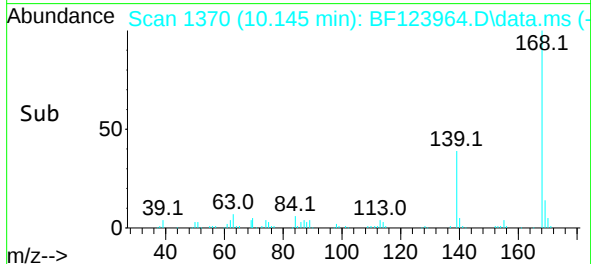
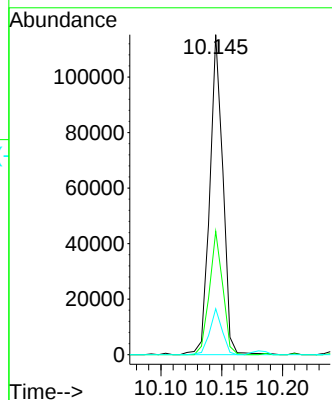
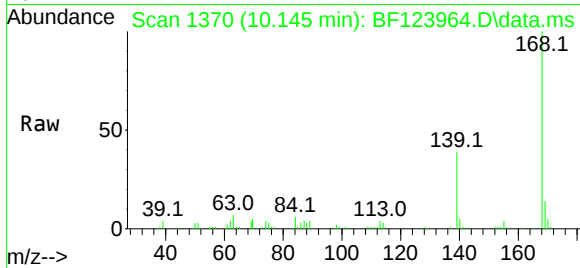




#55
Dibenzofuran
Concen: 9.74 ng
RT: 10.145 min Scan# 1370
Delta R.T. -0.000 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

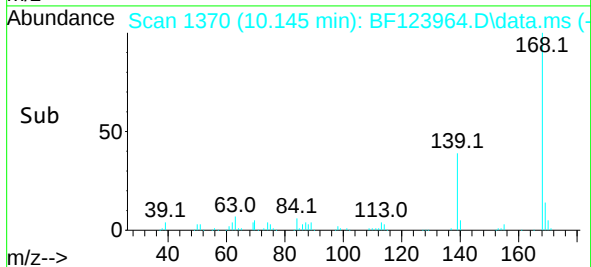
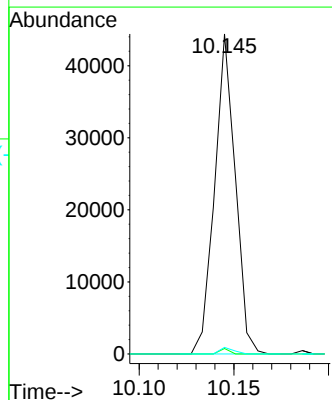
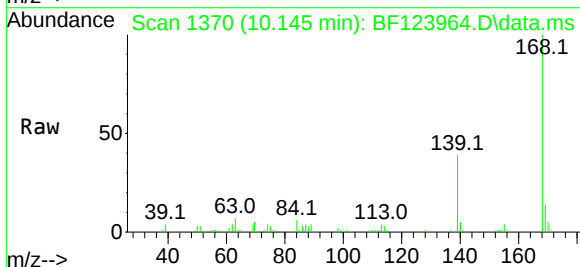
Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)DL

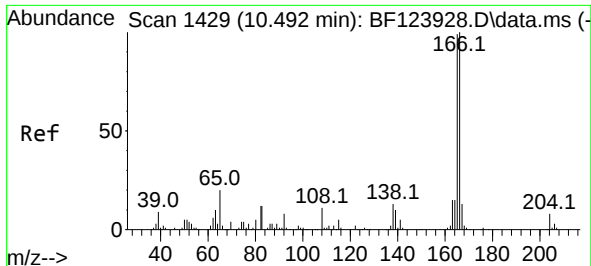
Tgt Ion:168 Resp: 86162
Ion Ratio Lower Upper
168 100
139 38.5 33.2 49.8
169 14.3 10.8 16.2



#56
4-Nitrophenol
Concen: 29.19 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.118 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

Tgt Ion:139 Resp: 33739
Ion Ratio Lower Upper
139 100
109 1.7 63.2 103.2#
65 2.1 110.0 150.0#

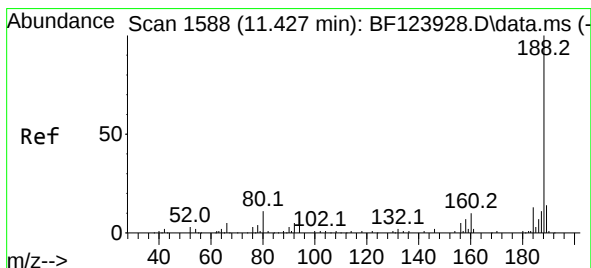
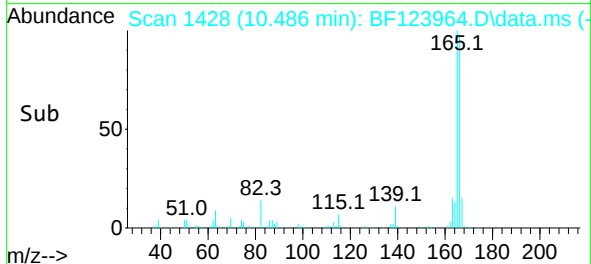
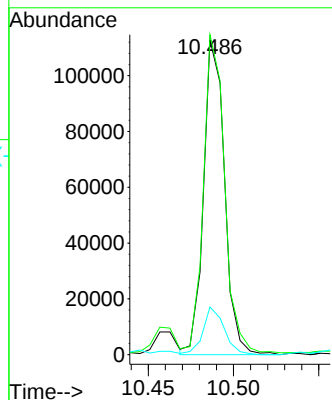
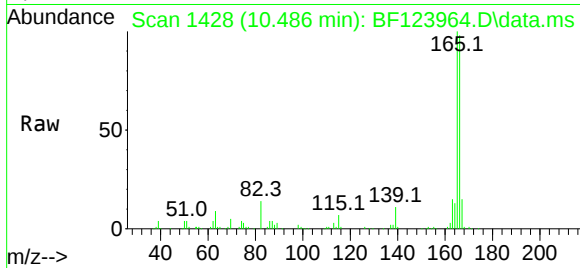




#58
Fluorene
Concen: 14.46 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

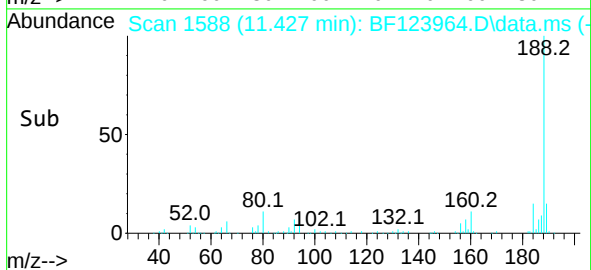
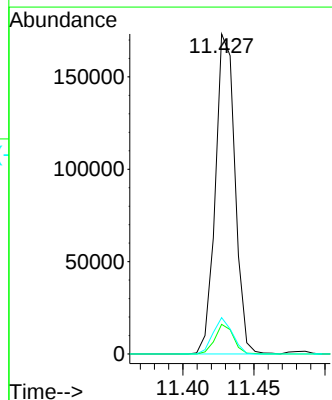
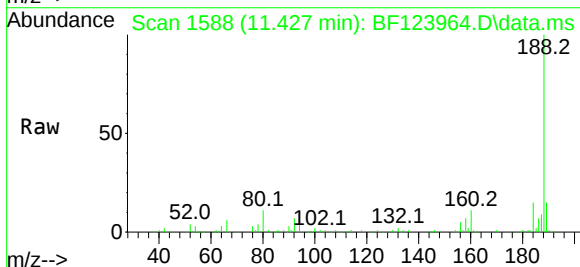
Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)DL

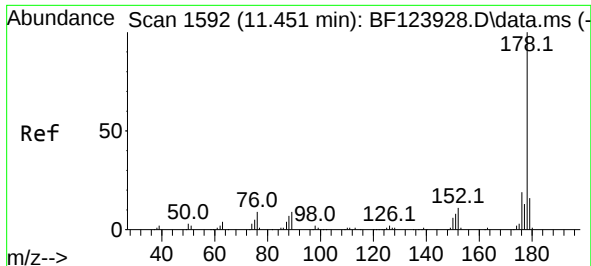
Tgt Ion:166 Resp: 96429
Ion Ratio Lower Upper
166 100
165 101.7 73.5 110.3
167 15.2 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

Tgt Ion:188 Resp: 165749
Ion Ratio Lower Upper
188 100
94 9.3 6.9 10.3
80 11.4 8.2 12.2

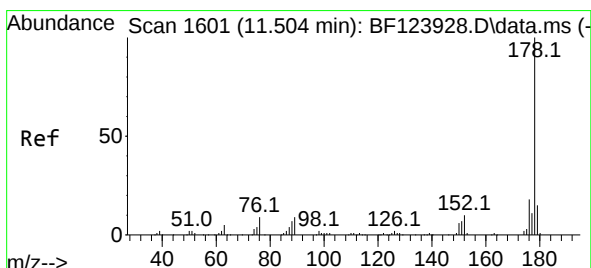
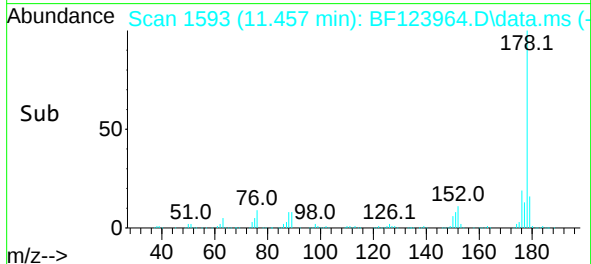
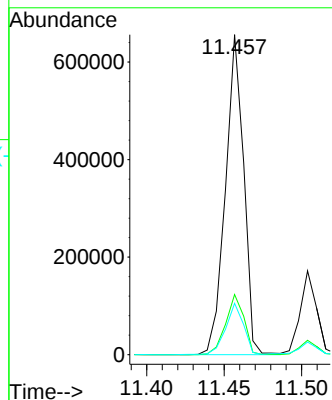
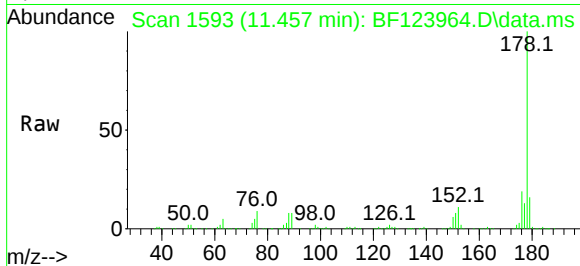




#71
Phenanthrene
Concen: 51.23 ng
RT: 11.457 min Scan# 1593
Delta R.T. 0.006 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

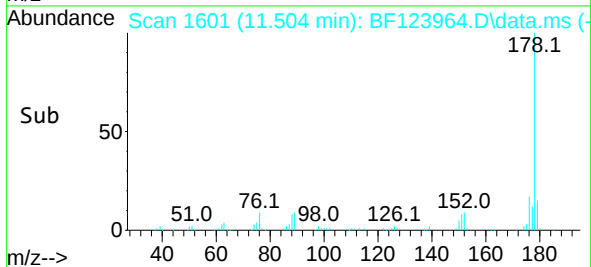
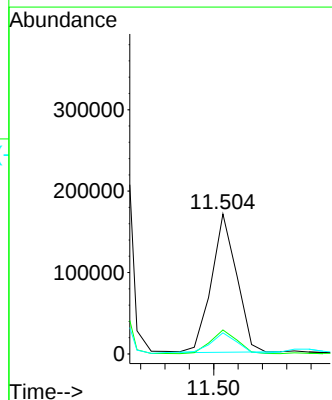
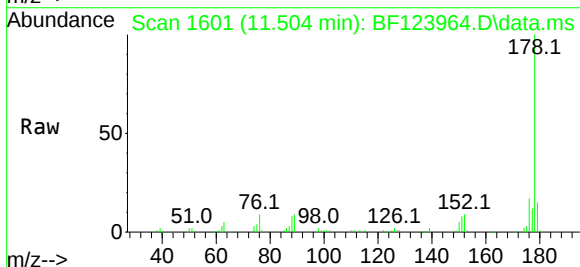
Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)DL

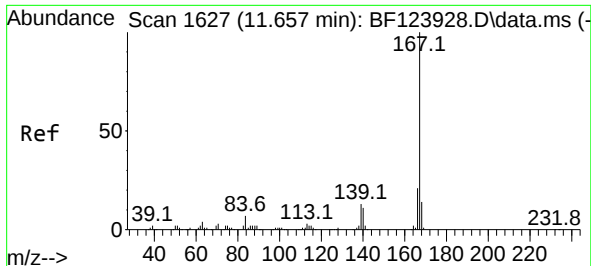
Tgt Ion:178 Resp: 538129
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 16.0 12.5 18.7



#72
Anthracene
Concen: 11.48 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

Tgt Ion:178 Resp: 122173
Ion Ratio Lower Upper
178 100
176 17.2 15.4 23.0
179 15.1 12.6 18.8

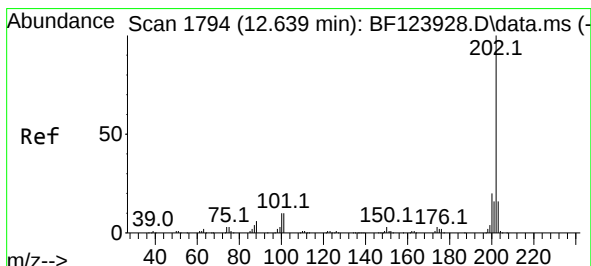
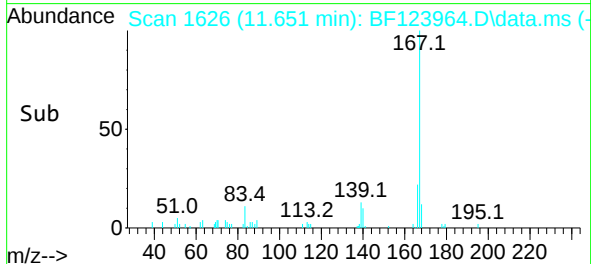
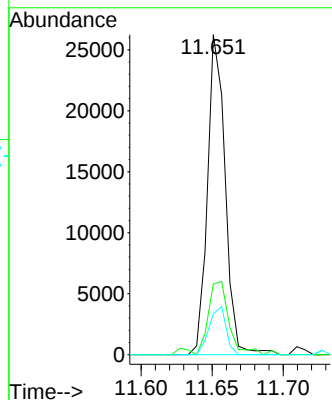
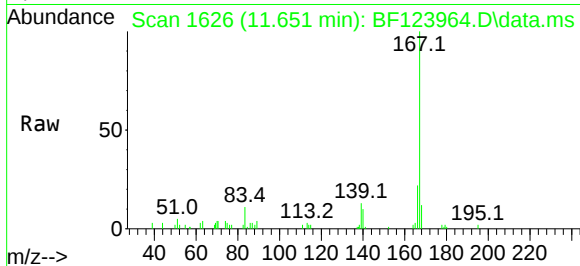




#73
Carbazole
Concen: 2.45 ng
RT: 11.651 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

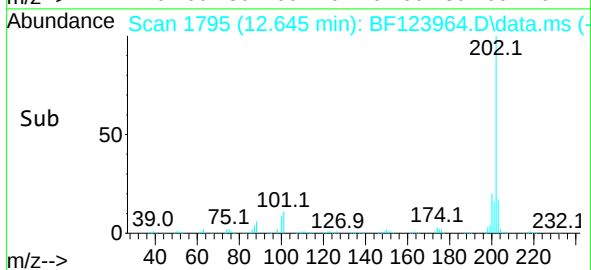
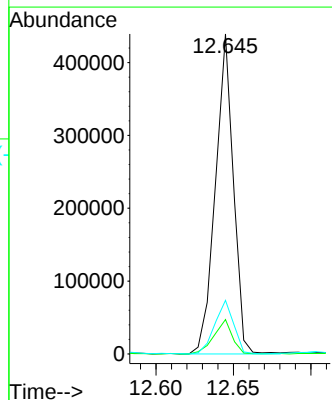
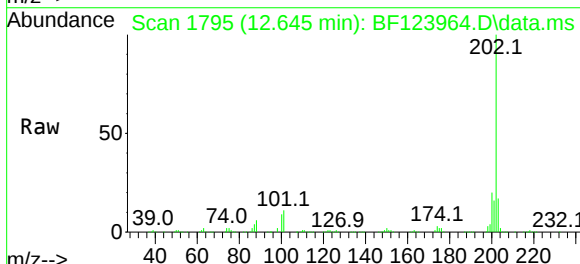
Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)DL

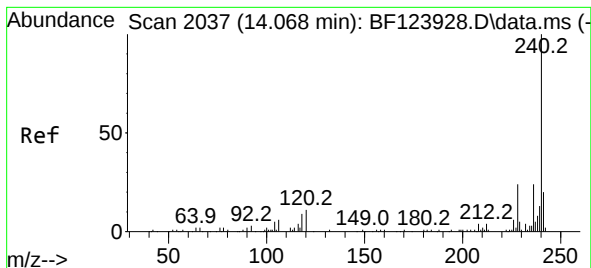
Tgt Ion:167 Resp: 22833
Ion Ratio Lower Upper
167 100
166 22.1 17.0 25.6
139 12.8 10.4 15.6



#75
Fluoranthene
Concen: 32.63 ng
RT: 12.645 min Scan# 1795
Delta R.T. 0.006 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

Tgt Ion:202 Resp: 354964
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.9
203 16.7 0.0 37.5

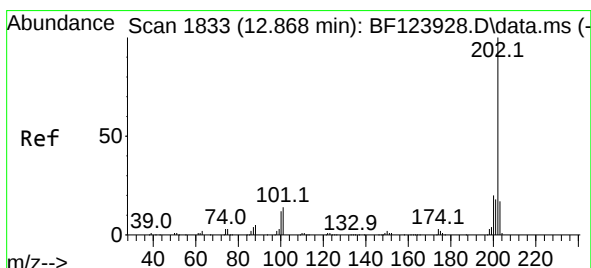
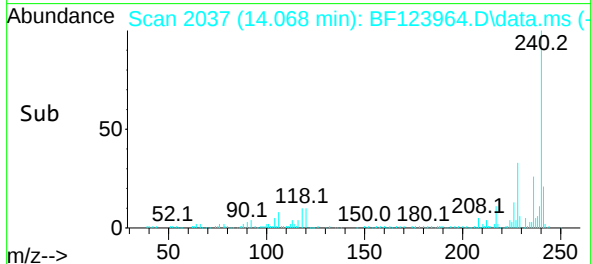
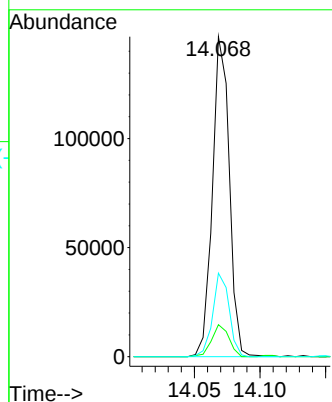
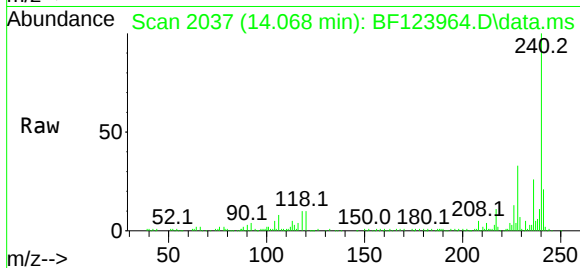




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

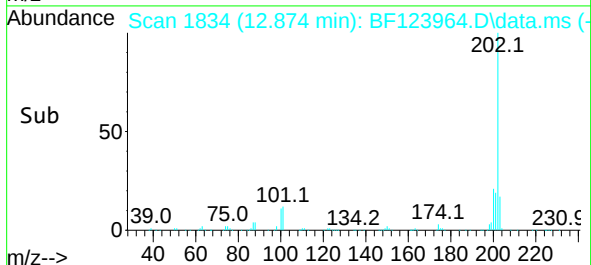
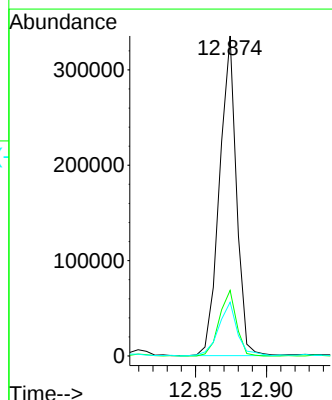
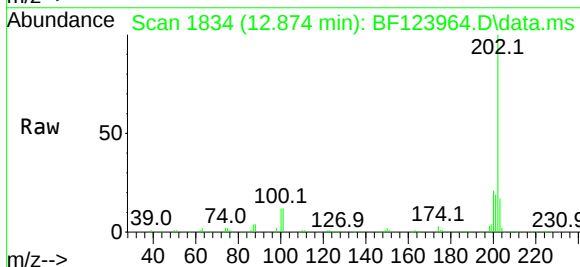
Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)DL

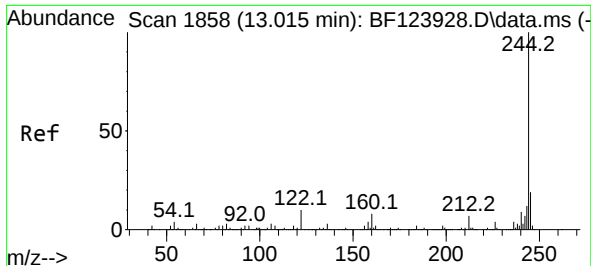
Tgt Ion:240 Resp: 131565
Ion Ratio Lower Upper
240 100
120 10.0 7.2 10.8
236 26.1 19.0 28.4



#78
Pyrene
Concen: 23.77 ng
RT: 12.874 min Scan# 1834
Delta R.T. 0.006 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

Tgt Ion:202 Resp: 277589
Ion Ratio Lower Upper
202 100
200 20.5 16.1 24.1
203 16.8 14.8 22.2

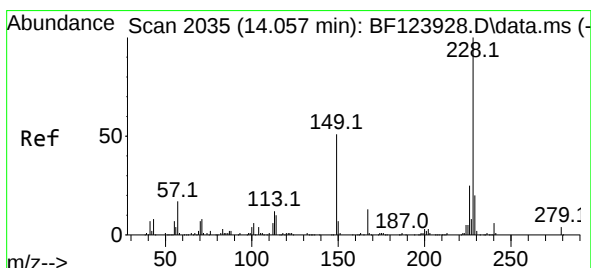
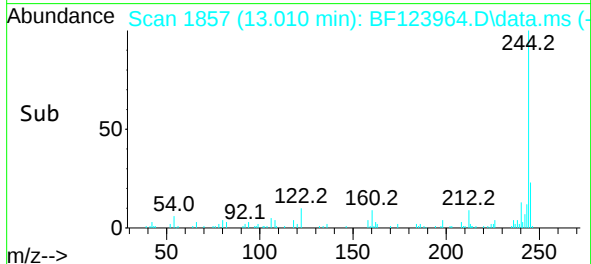
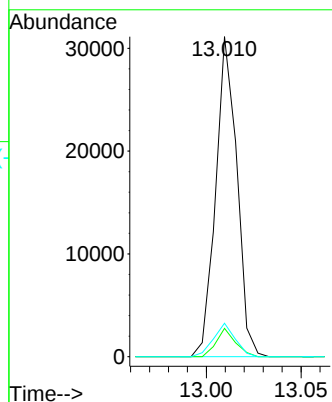
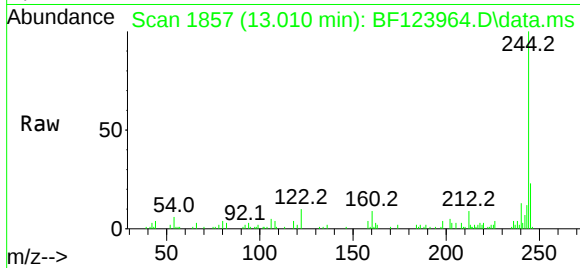




#79
 Terphenyl-d14
 Concen: 2.79 ng
 RT: 13.010 min Scan# 1857
 Delta R.T. -0.006 min
 Lab File: BF123964.D
 Acq: 17 May 2021 15:35

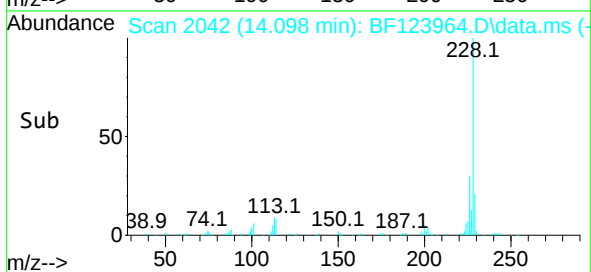
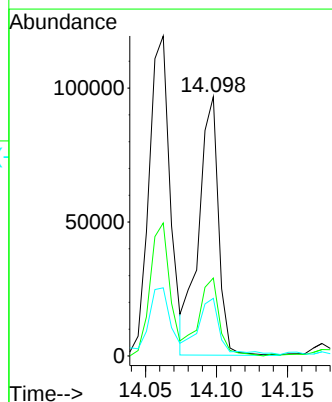
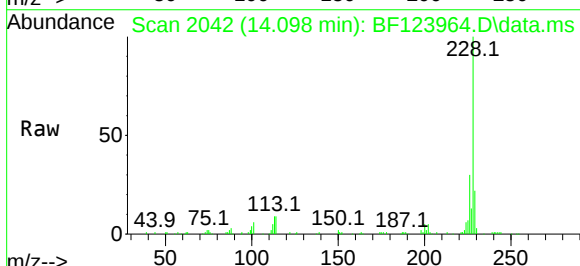
Instrument :
 BNA_F
 ClientSampleId :
 KSB-01(6-8)DL

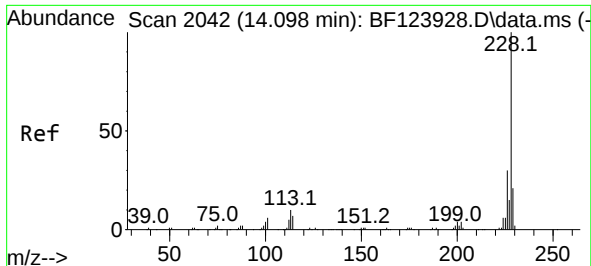
Tgt Ion:244 Resp: 24253
 Ion Ratio Lower Upper
 244 100
 212 8.8 5.7 8.5#
 122 10.5 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 9.89 ng
 RT: 14.098 min Scan# 2042
 Delta R.T. 0.041 min
 Lab File: BF123964.D
 Acq: 17 May 2021 15:35

Tgt Ion:228 Resp: 94149
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.4 33.6
 229 22.2 16.0 24.0

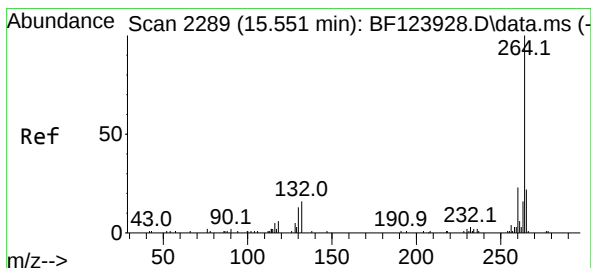
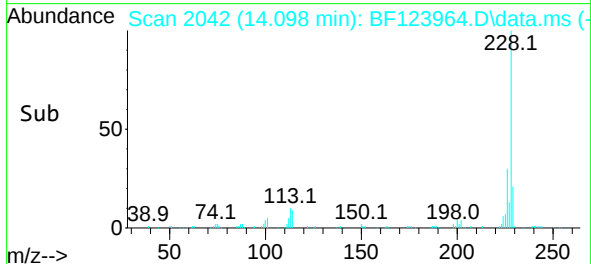
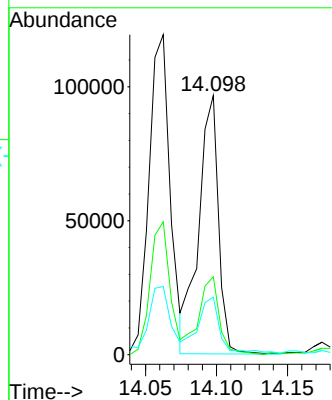
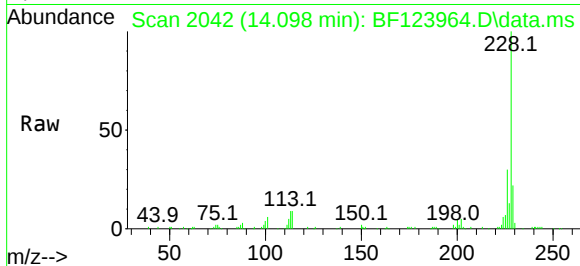




#83
Chrysene
Concen: 10.29 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

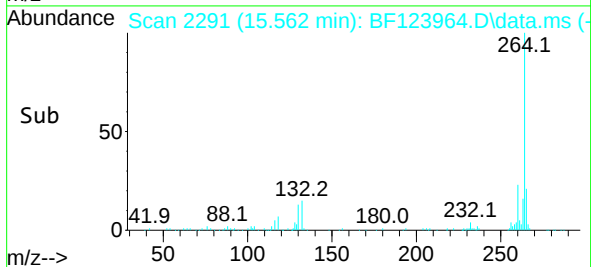
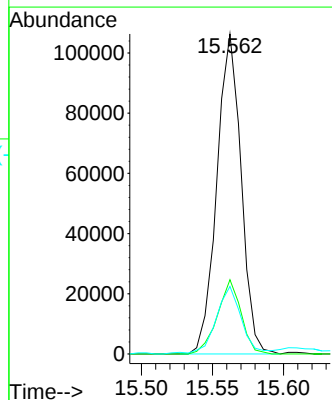
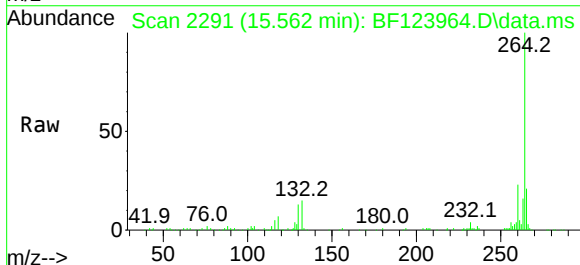
Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)DL

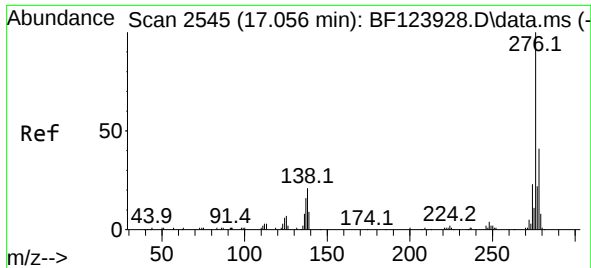
Tgt Ion:228	Resp:	94149
Ion Ratio	Lower	Upper
228	100	
226	30.1	24.3 36.5
229	22.2	16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.562 min Scan# 2291
Delta R.T. 0.012 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

Tgt Ion:264	Resp:	126081
Ion Ratio	Lower	Upper
264	100	
260	23.2	18.7 28.1
265	21.1	17.8 26.8

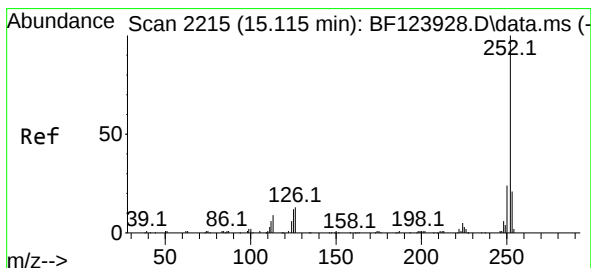
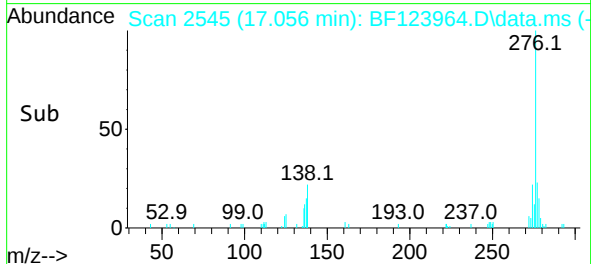
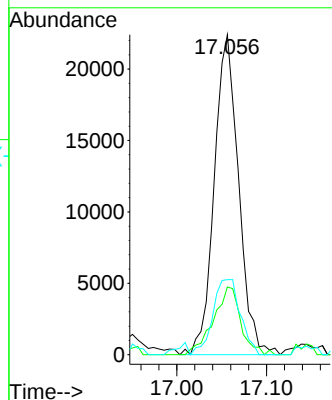
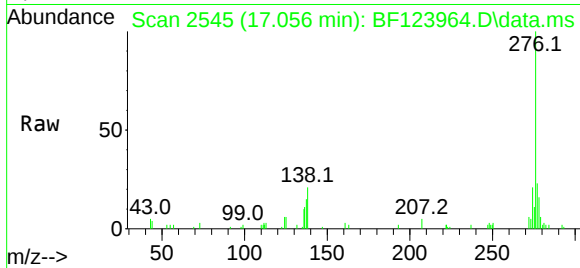




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.34 ng
RT: 17.056 min Scan# 2545
Delta R.T. -0.000 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

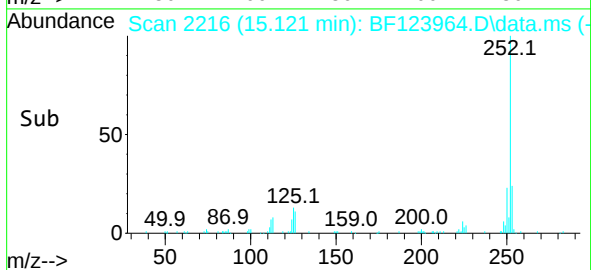
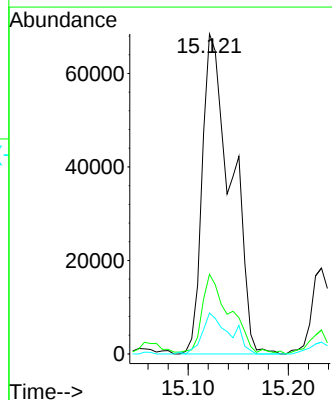
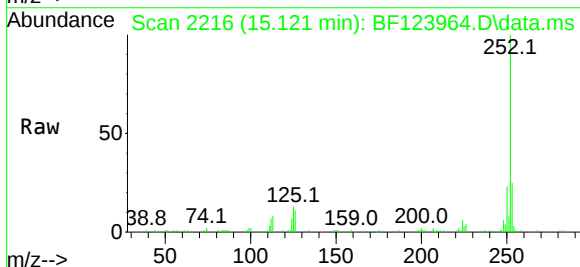
Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)DL

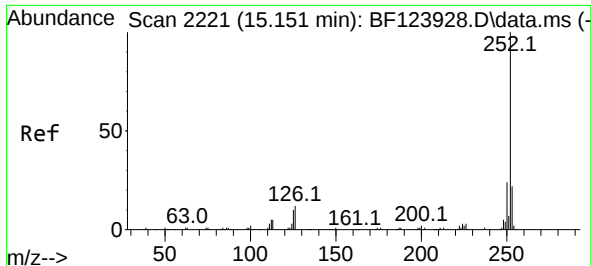
Tgt Ion:	276	Resp:	42286
Ion Ratio	Lower	Upper	
276	100		
138	23.8	16.2	24.2
277	26.5	20.1	30.1



#88
Benzo(b)fluoranthene
Concen: 14.09 ng
RT: 15.121 min Scan# 2216
Delta R.T. 0.006 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

Tgt Ion:	252	Resp:	137450
Ion Ratio	Lower	Upper	
252	100		
253	24.9	18.1	27.1
125	12.8	6.2	9.4#

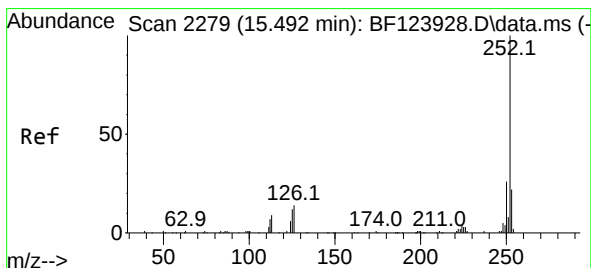
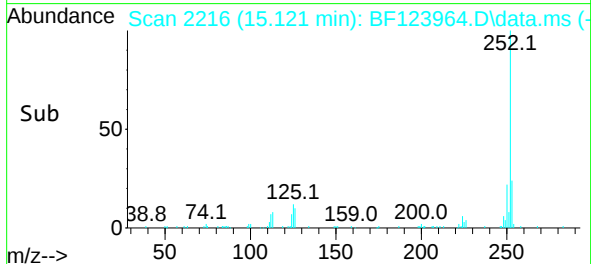
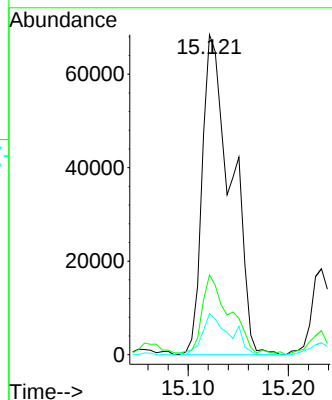
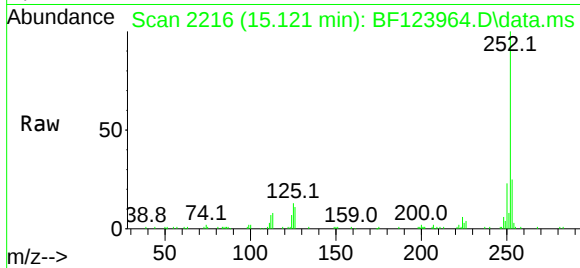




#89
Benzo(k)fluoranthene
Concen: 15.46 ng
RT: 15.121 min Scan# 2216
Delta R.T. -0.029 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

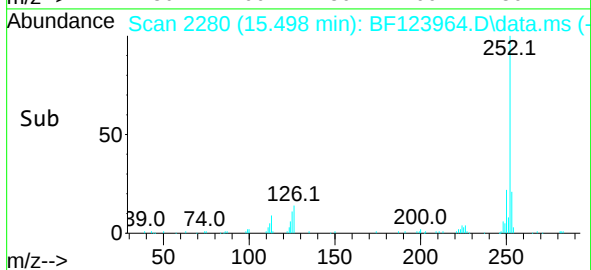
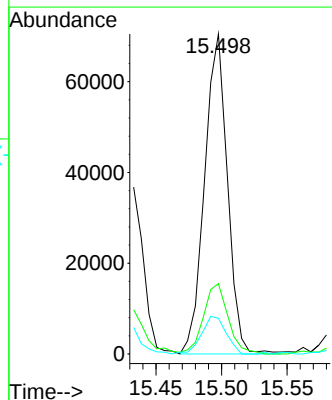
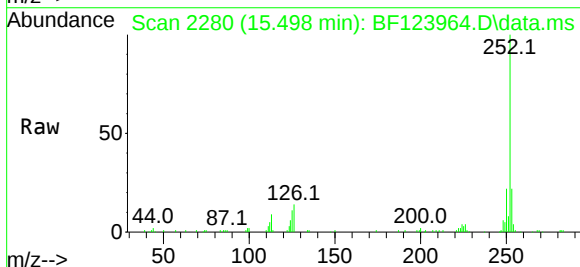
Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)DL

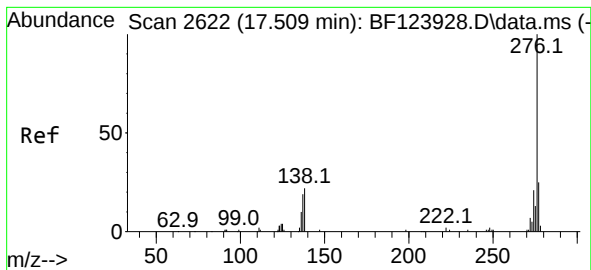
Tgt Ion:252 Resp: 137450
Ion Ratio Lower Upper
252 100
253 24.9 17.9 26.9
125 12.8 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 10.15 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF123964.D
Acq: 17 May 2021 15:35

Tgt Ion:252 Resp: 85596
Ion Ratio Lower Upper
252 100
253 22.0 18.4 27.6
125 11.2 8.0 12.0





#92
 Benzo(g,h,i)perylene
 Concen: 4.66 ng
 RT: 17.509 min Scan# 2622
 Delta R.T. -0.000 min
 Lab File: BF123964.D
 Acq: 17 May 2021 15:35

Instrument :
 BNA_F
 ClientSampleId :
 KSB-01(6-8)DL

Tgt Ion: 276 Resp: 38355
 Ion Ratio Lower Upper
 276 100
 277 27.3 18.2 27.2#
 138 19.6 13.8 20.6

