

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
 Data File : BF123942.D
 Acq On : 15 May 2021 13:39
 Operator : JU/CG
 Sample : M2383-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KTW-01

Quant Time: May 16 05:19:04 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)

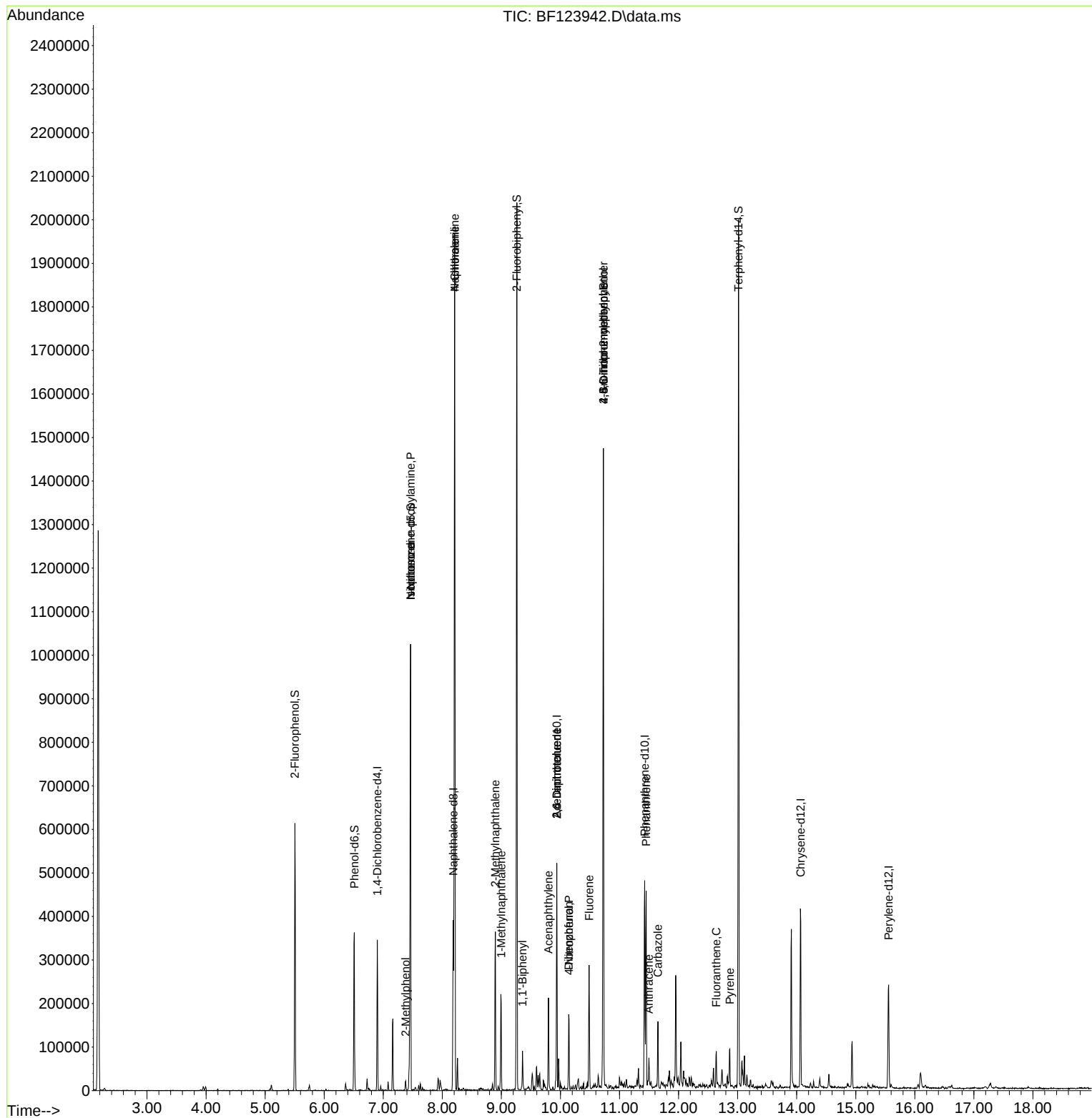
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	37865	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	149081	20.00	ng	0.00
39) Acenaphthene-d10	9.939	164	87513	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	159185	20.00	ng	0.00
76) Chrysene-d12	14.068	240	128753	20.00	ng	0.00
86) Perylene-d12	15.556	264	102955	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	125889	46.68	ng	0.00
7) Phenol-d6	6.510	99	89369	25.55	ng	-0.01
23) Nitrobenzene-d5	7.463	82	294915	85.23	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	134852	128.29	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	539485	75.86	ng	0.00
79) Terphenyl-d14	13.015	244	613859	72.21	ng	0.00
Target Compounds						Qvalue
17) 2-Methylphenol	7.380	107	4938	2.17	ng	# 32
19) n-Nitroso-di-n-propyla...	7.463	70	43028	18.20	ng	# 76
25) Isophorone	7.463	82	294760	44.28	ng	# 69
31) Naphthalene	8.210	128	734733	83.28	ng	99
33) 4-Chloroaniline	8.210	127	103800	30.91	ng	# 34
37) 2-Methylnaphthalene	8.898	142	83483	13.96	ng	96
38) 1-Methylnaphthalene	8.998	142	50729	9.09	ng	99
46) 1,1'-Biphenyl	9.357	154	20330	2.64	ng	97
49) Acenaphthylene	9.798	152	63812	7.05	ng	95
51) 2,6-Dinitrotoluene	9.939	165	12389	8.77	ng	# 10
55) Dibenzofuran	10.139	168	56326	6.33	ng	96
56) 4-Nitrophenol	10.145	139	22872	19.69	ng	# 1
57) 2,4-Dinitrotoluene	9.939	165	12389	7.15	ng	# 15
58) Fluorene	10.486	166	59661	8.90	ng	89
65) 4,6-Dinitro-2-methylph...	10.727	198	162	5.58	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	10063	4.81	ng	# 1
71) Phenanthrene	11.451	178	140466	13.92	ng	98
72) Anthracene	11.498	178	23342	2.28	ng	98
73) Carbazole	11.651	167	44607	4.99	ng	94
75) Fluoranthene	12.639	202	26415	2.53	ng	94
78) Pyrene	12.868	202	34515	3.02	ng	94

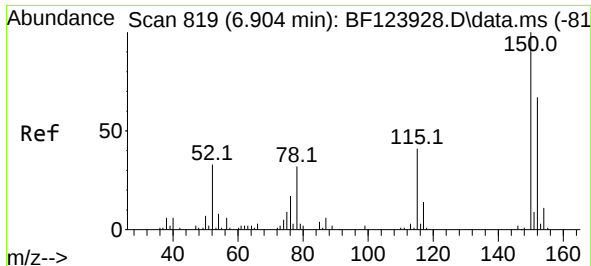
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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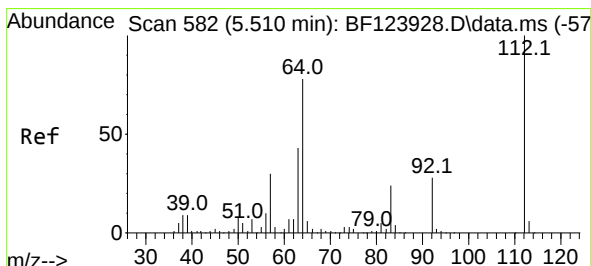
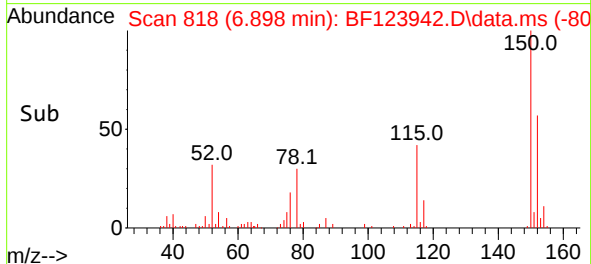
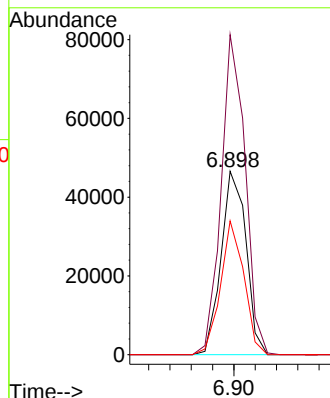
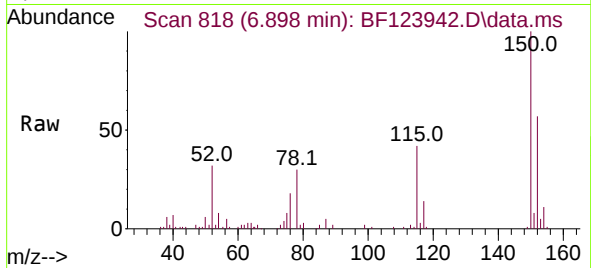




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.898 min Scan# 818
Delta R.T. -0.006 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

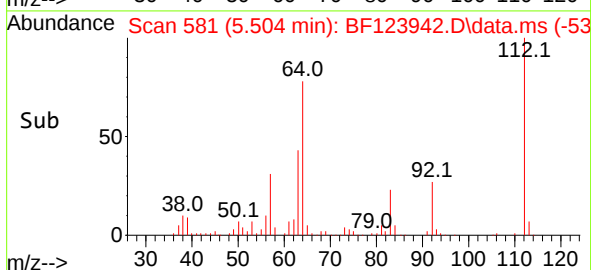
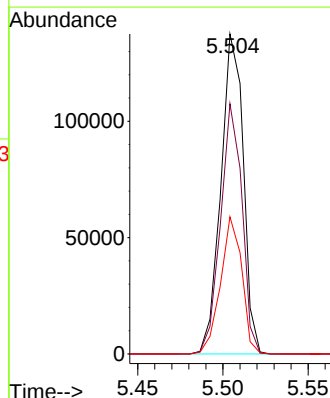
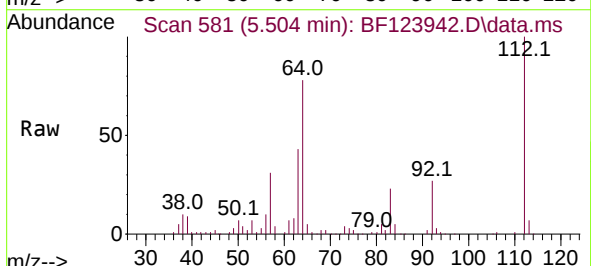
Instrument :
BNA_F
ClientSampleId :
KTW-01

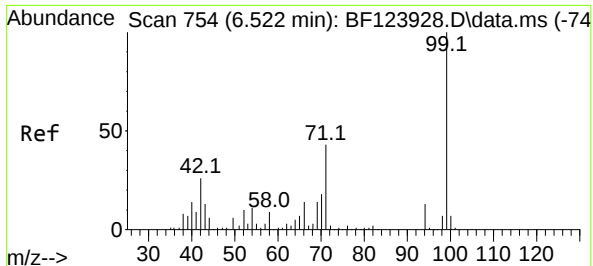
Tgt Ion:152 Resp: 37865
Ion Ratio Lower Upper
152 100
150 174.5 127.0 190.6
115 73.0 54.3 81.5



#5
2-Fluorophenol
Concen: 46.68 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

Tgt Ion:112 Resp: 125889
Ion Ratio Lower Upper
112 100
64 78.2 61.4 92.0
63 42.8 33.0 49.4

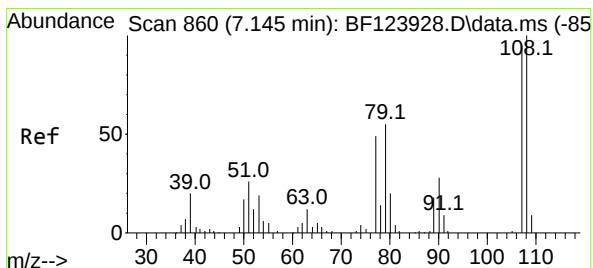
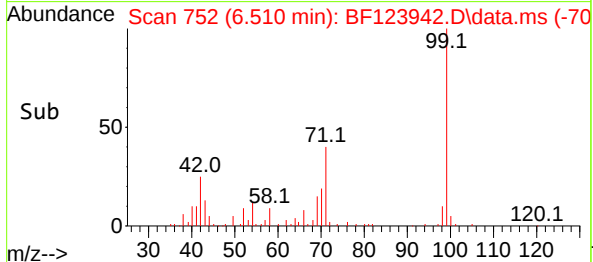
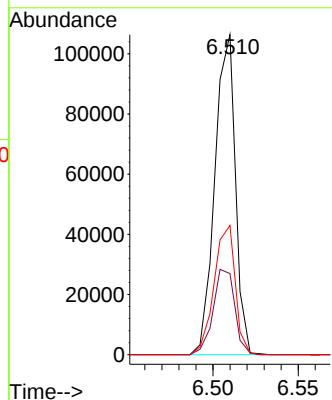
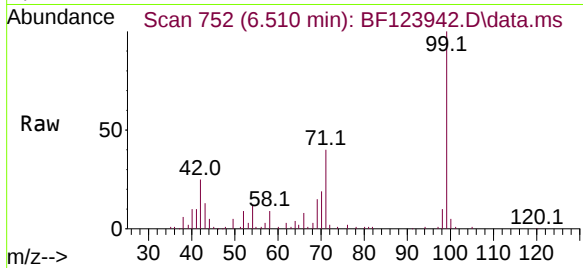




#7
Phenol-d6
Concen: 25.55 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

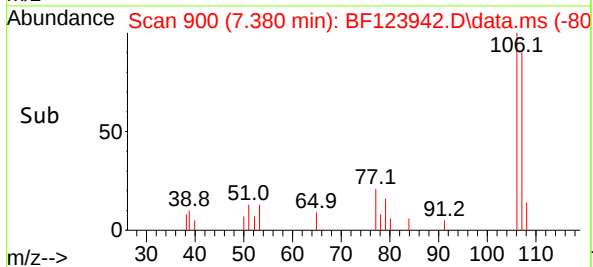
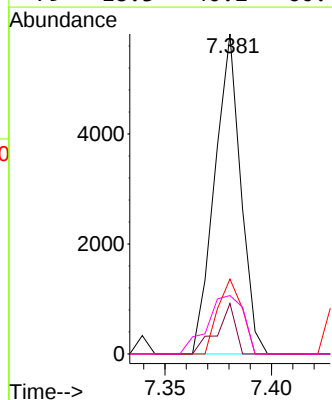
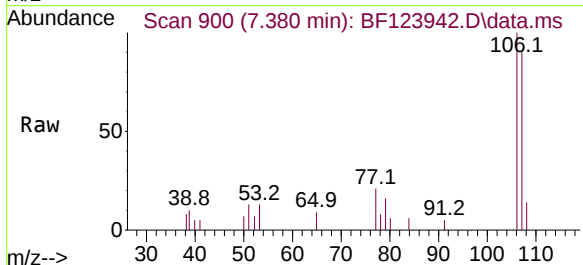
Instrument :
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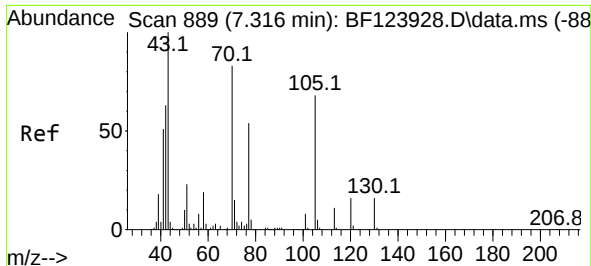
Tgt Ion:	99	Resp:	89369
Ion	Ratio	Lower	Upper
99	100		
42	25.4	19.8	29.8
71	40.4	31.1	46.7



#17
2-Methylphenol
Concen: 2.17 ng
RT: 7.380 min Scan# 900
Delta R.T. 0.235 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

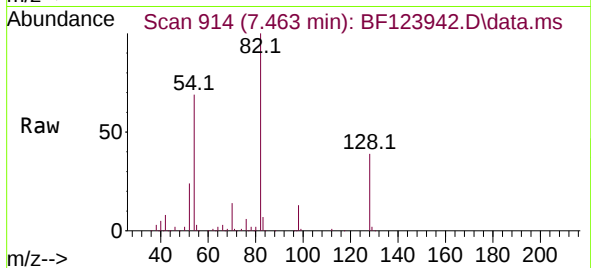
Tgt Ion:	107	Resp:	4938
Ion	Ratio	Lower	Upper
107	100		
108	15.8	89.8	134.8#
77	23.4	40.9	61.3#
79	18.3	40.2	60.4#



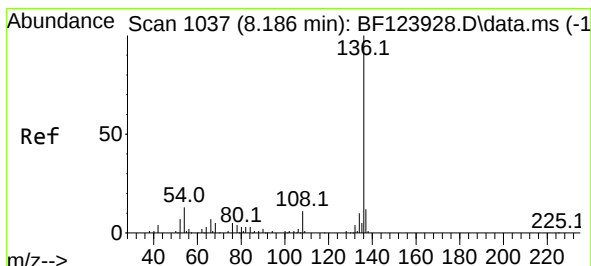
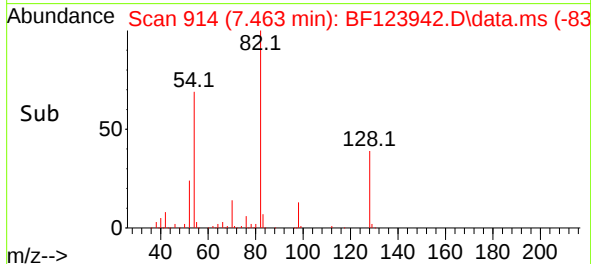
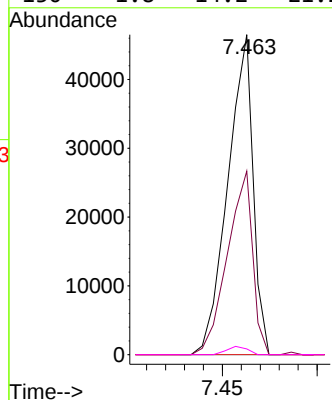


#19
n-Nitroso-di-n-propylamine
Concen: 18.20 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.147 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

Instrument :
BNA_F
ClientSampleId :
KTW-01

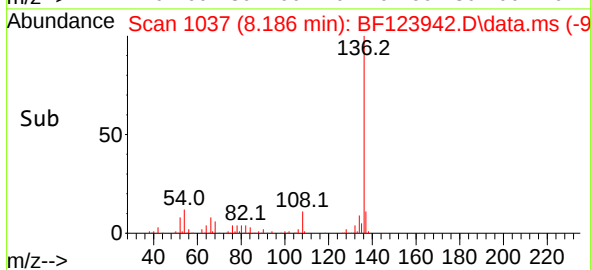
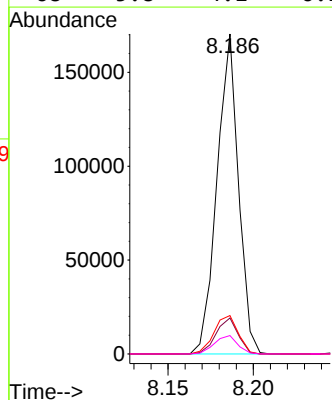
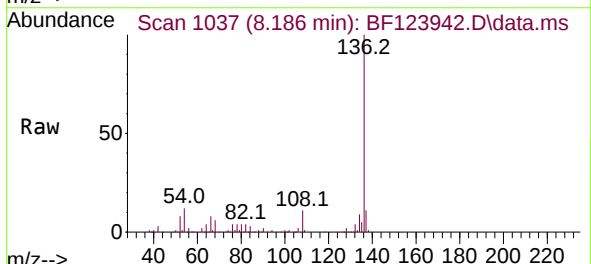


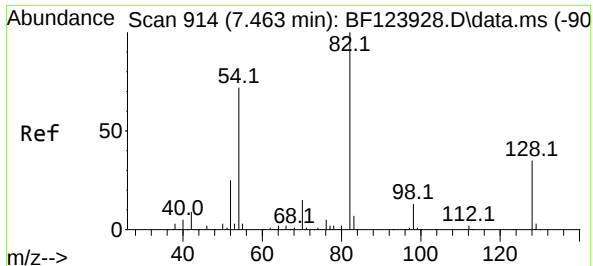
Tgt Ion	Ratio	Lower	Upper
70	100		
42	57.3	60.1	90.1#
101	0.0	7.4	11.2#
130	1.8	14.2	21.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	12.0	9.8	14.6
68	5.8	4.1	6.1





#23

Nitrobenzene-d5

Concen: 85.23 ng

RT: 7.463 min Scan# 914

Delta R.T. -0.000 min

Lab File: BF123942.D

Acq: 15 May 2021 13:39

Tgt Ion: 82 Resp: 294915

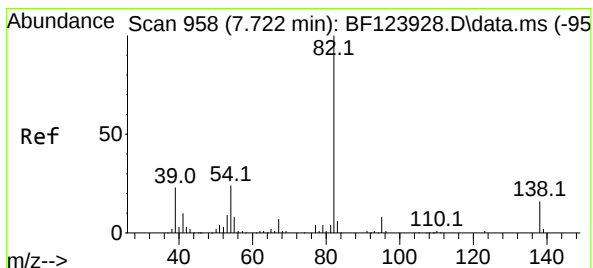
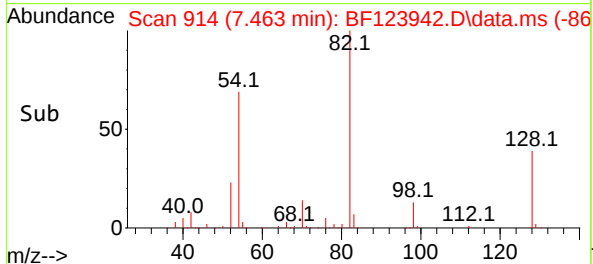
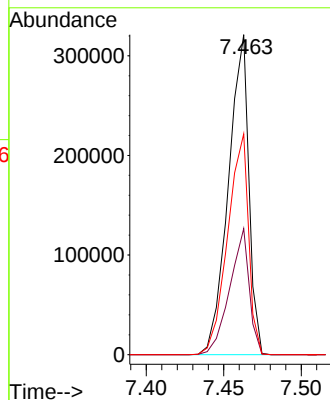
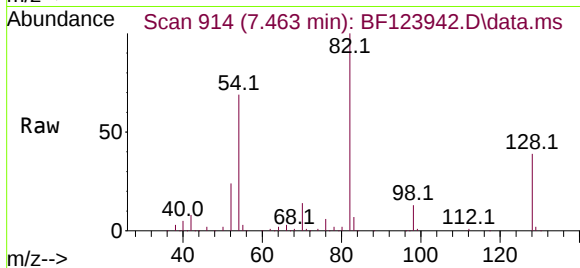
Ion	Ratio	Lower	Upper
82	100		
128	39.4	29.4	44.2
54	69.0	54.1	81.1

Instrument :

BNA_F

ClientSampleId :

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#25

Isophorone

Concen: 44.28 ng

RT: 7.463 min Scan# 914

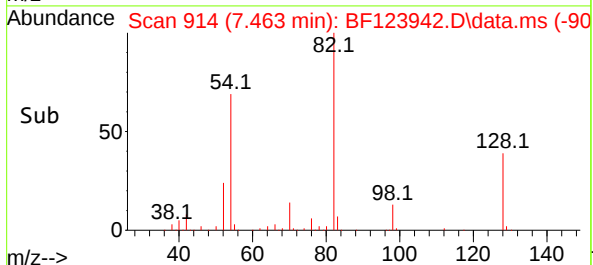
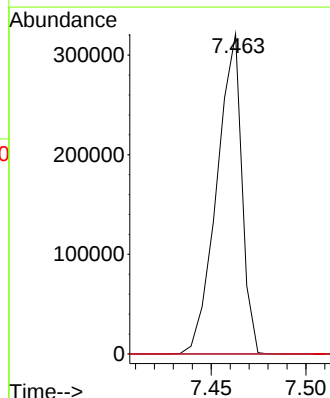
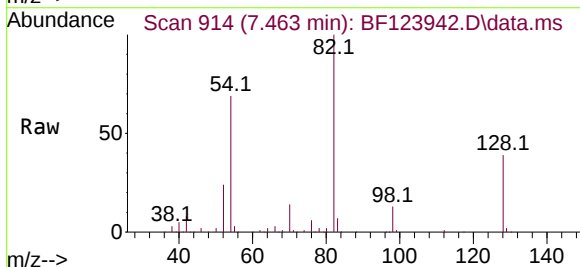
Delta R.T. -0.259 min

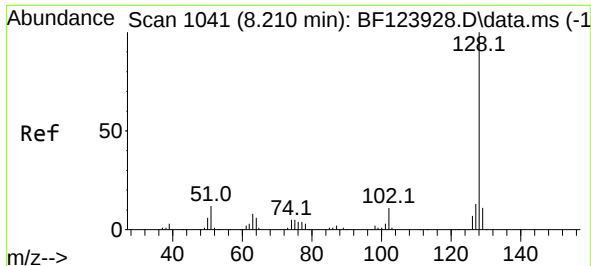
Lab File: BF123942.D

Acq: 15 May 2021 13:39

Tgt Ion: 82 Resp: 294760

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	11.8	17.8#

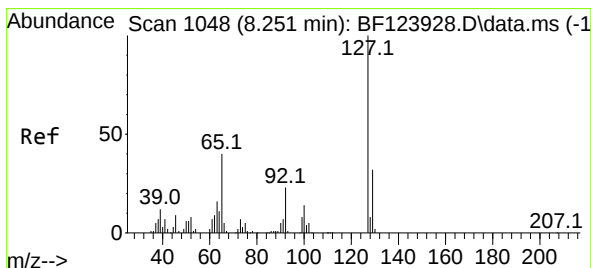
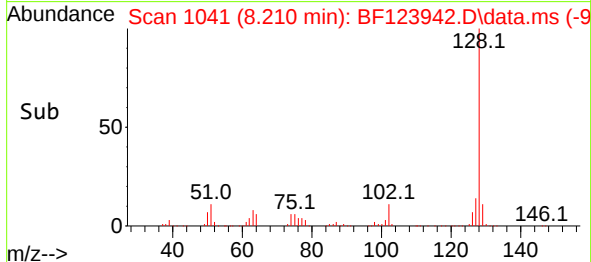
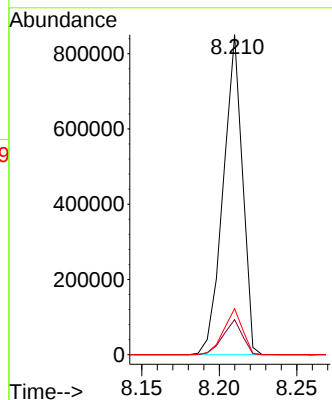
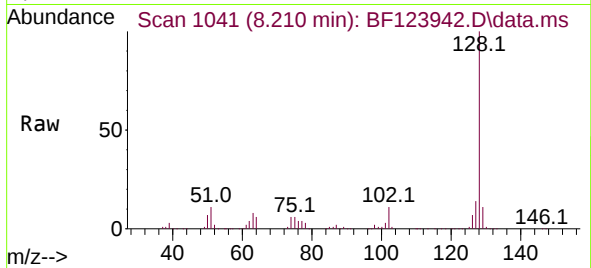




#31
Naphthalene
Concen: 83.28 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.000 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

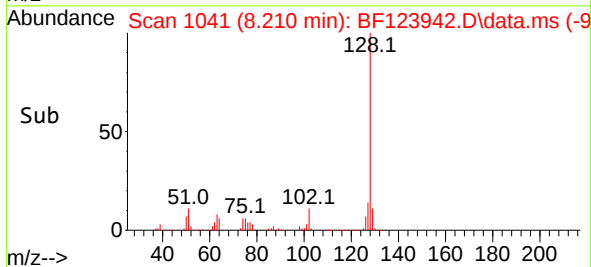
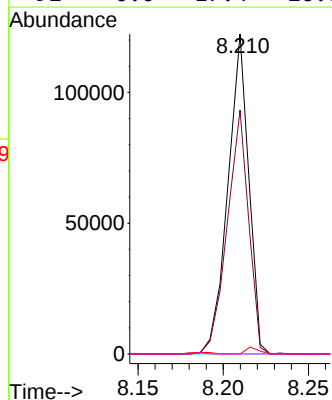
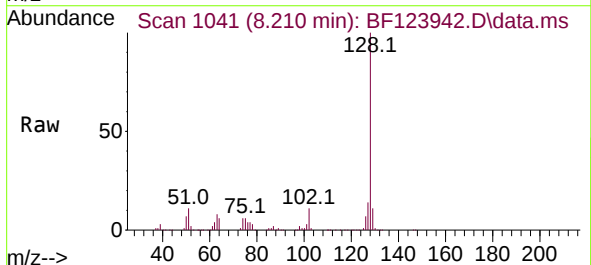
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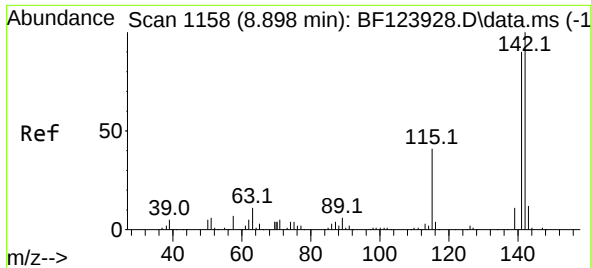
Tgt Ion:128 Resp: 734733
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 14.4 10.8 16.2



#33
4-Chloroaniline
Concen: 30.91 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.041 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

Tgt Ion:127 Resp: 103800
Ion Ratio Lower Upper
127 100
129 76.2 25.7 38.5#
65 0.0 34.5 51.7#
92 0.0 17.4 26.0#

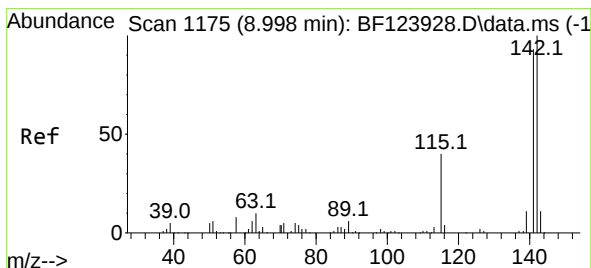
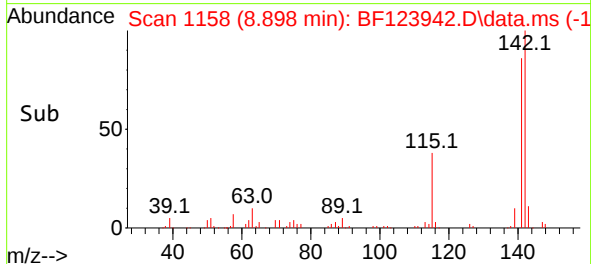
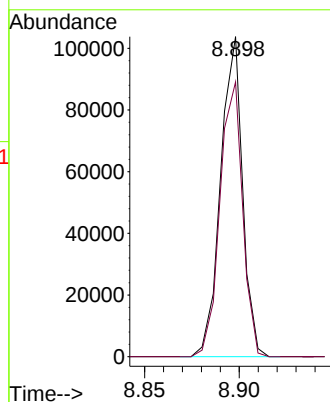
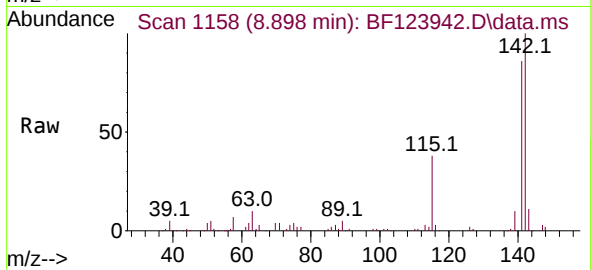




#37
2-Methylnaphthalene
Concen: 13.96 ng
RT: 8.898 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

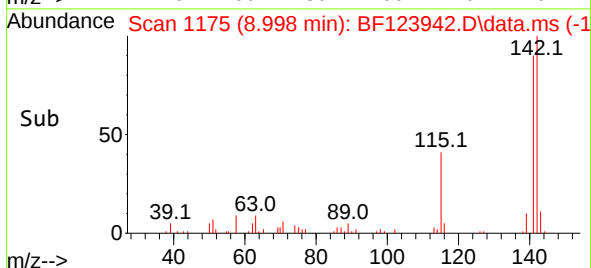
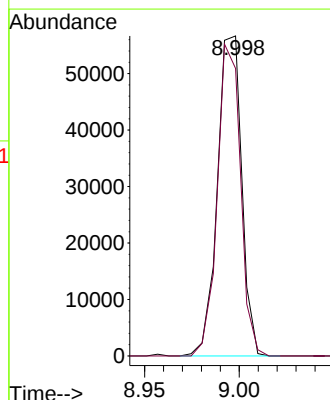
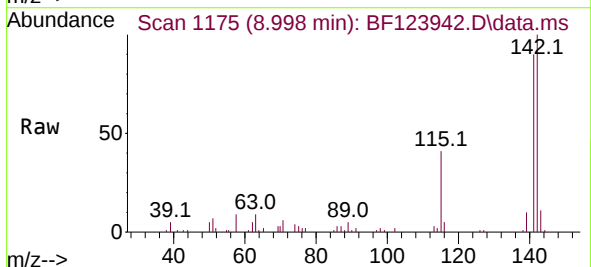
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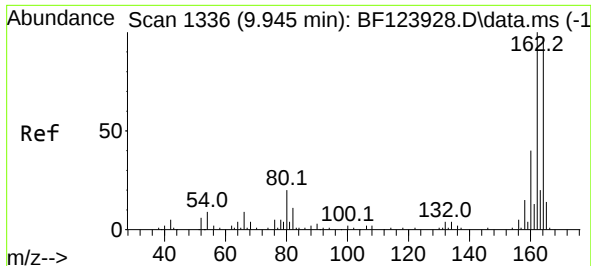
Tgt Ion:142 Resp: 83483
Ion Ratio Lower Upper
142 100
141 85.8 71.8 107.6



#38
1-Methylnaphthalene
Concen: 9.09 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

Tgt Ion:142 Resp: 50729
Ion Ratio Lower Upper
142 100
141 89.9 72.8 109.2

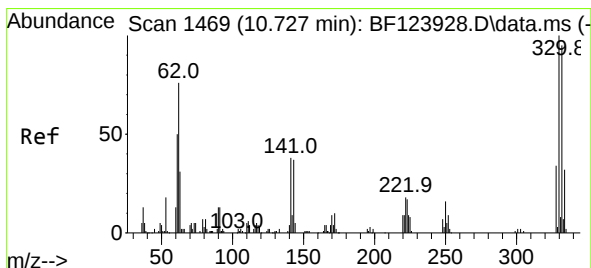
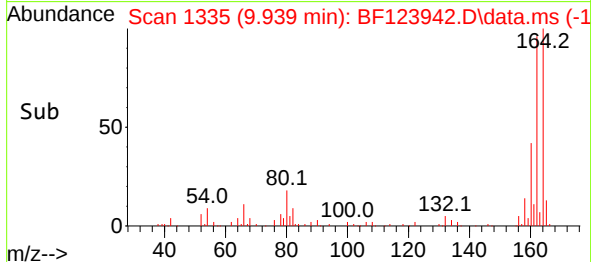
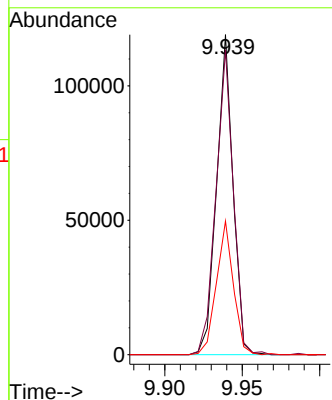
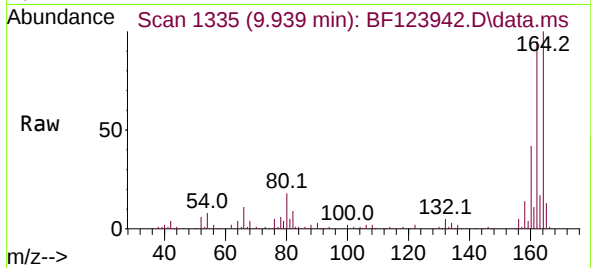




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

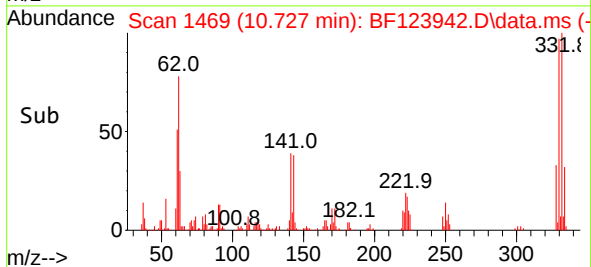
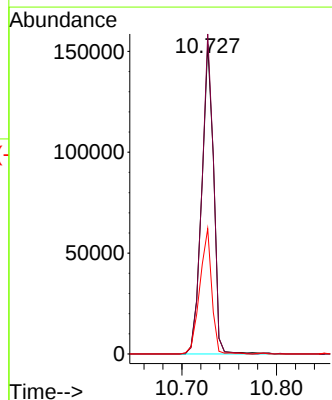
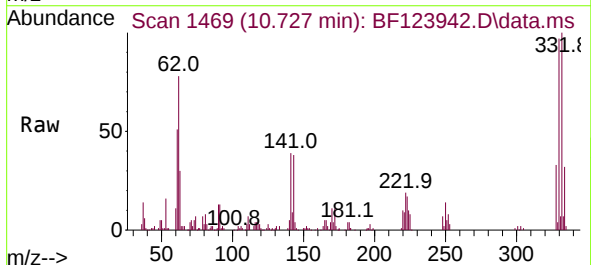
Instrument :
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ClientSampleId :
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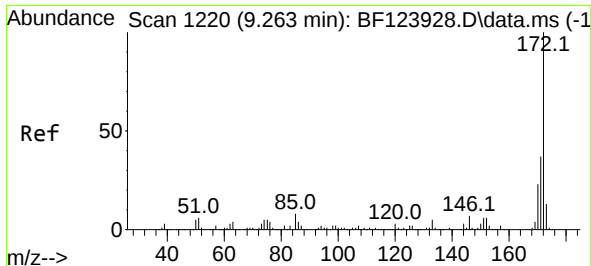
Tgt Ion:164 Resp: 87513
Ion Ratio Lower Upper
164 100
162 95.3 80.7 121.1
160 41.7 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 128.29 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.000 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

Tgt Ion:330 Resp: 134852
Ion Ratio Lower Upper
330 100
332 100.3 77.1 115.7
141 40.3 27.9 41.9

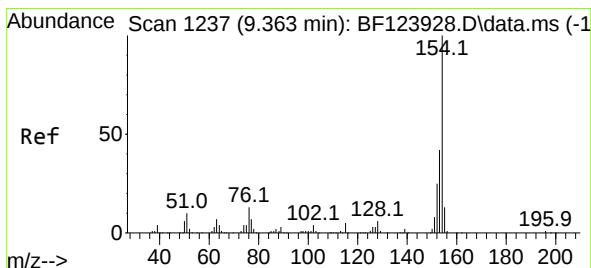
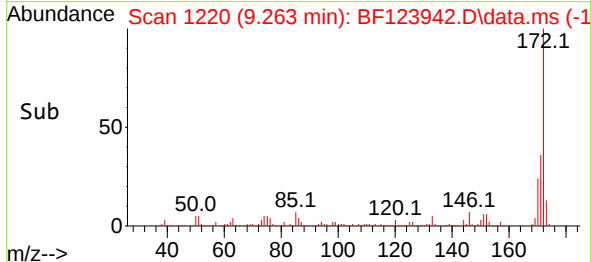
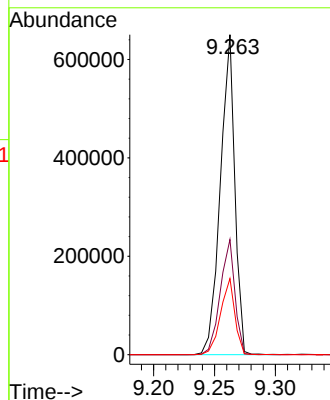
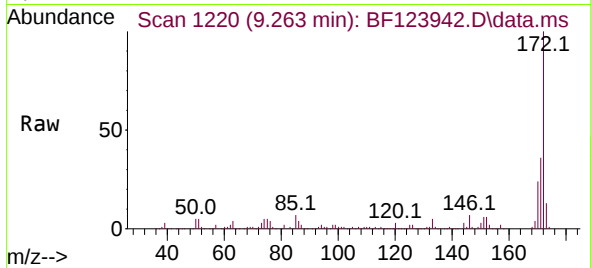




#45
2-Fluorobiphenyl
Concen: 75.86 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

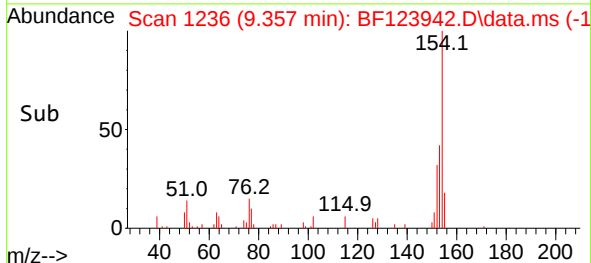
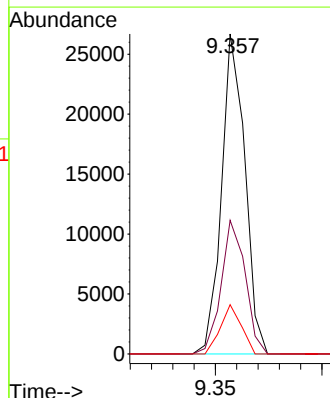
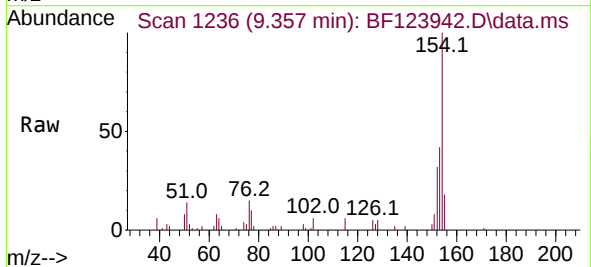
Instrument :
BNA_F
ClientSampleId :
KTW-01

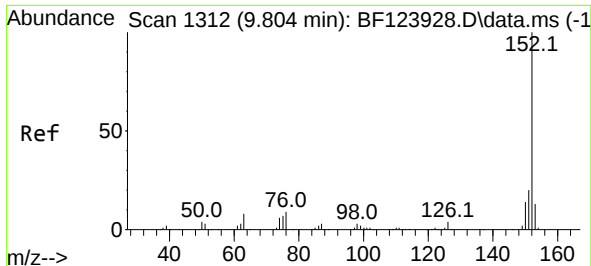
Tgt Ion:172 Resp: 539485
Ion Ratio Lower Upper
172 100
171 36.0 28.1 42.1
170 23.8 19.2 28.8



#46
1,1'-Biphenyl
Concen: 2.64 ng
RT: 9.357 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

Tgt Ion:154 Resp: 20330
Ion Ratio Lower Upper
154 100
153 41.8 20.7 60.7
76 15.4 0.0 31.7





#49

Acenaphthylene

Concen: 7.05 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF123942.D

Acq: 15 May 2021 13:39

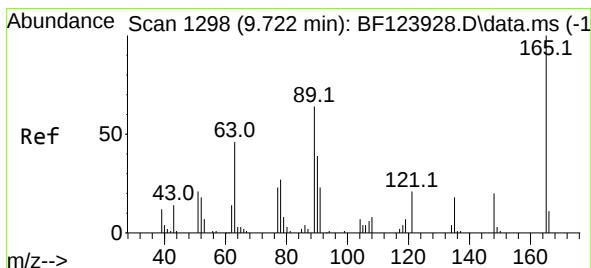
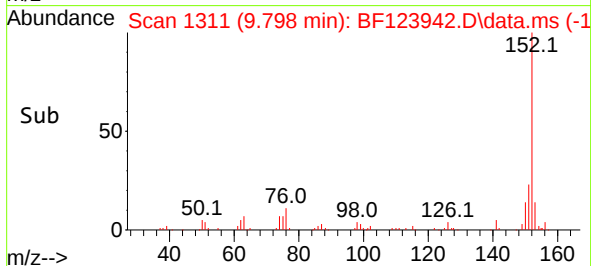
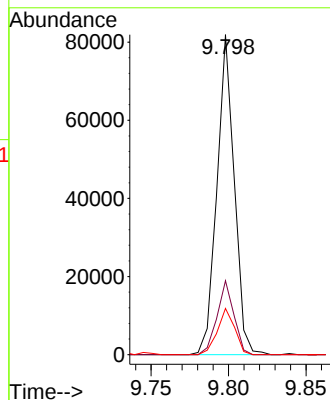
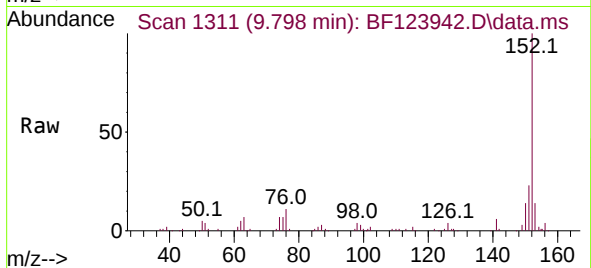
Tgt Ion:152 Resp: 63812

Ion Ratio Lower Upper

152 100

151 23.1 16.0 24.0

153 14.4 10.4 15.6



#51

2,6-Dinitrotoluene

Concen: 8.77 ng

RT: 9.939 min Scan# 1335

Delta R.T. 0.218 min

Lab File: BF123942.D

Acq: 15 May 2021 13:39

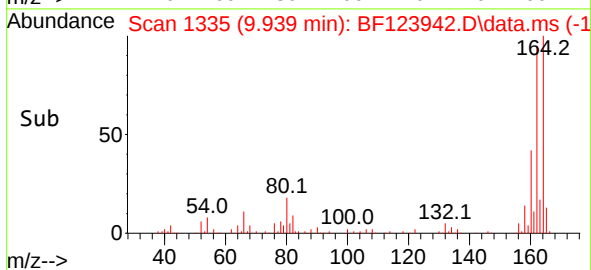
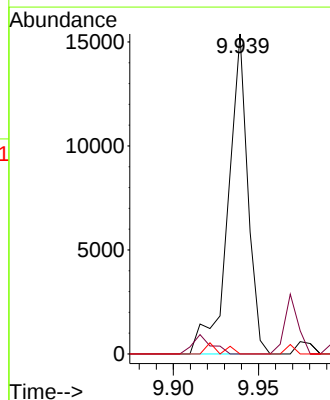
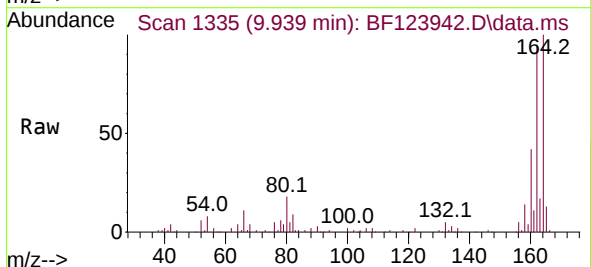
Tgt Ion:165 Resp: 12389

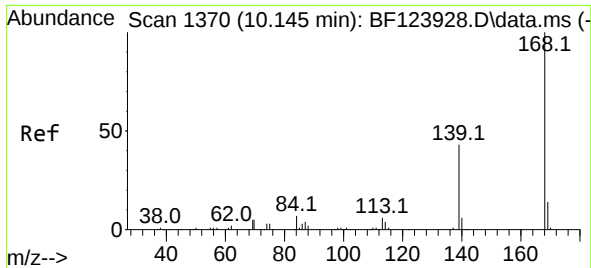
Ion Ratio Lower Upper

165 100

63 0.0 67.7 101.5#

89 0.0 58.8 88.2#

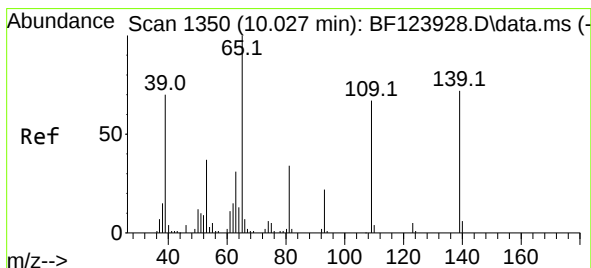
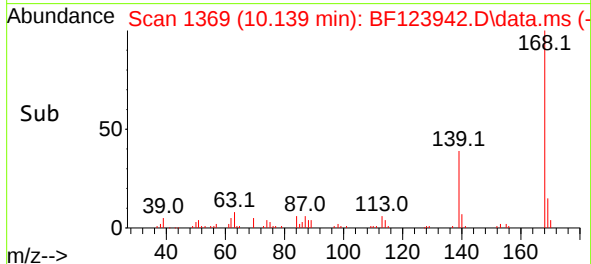
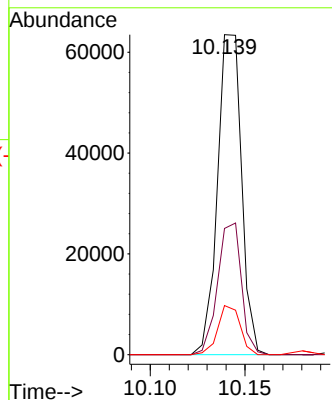
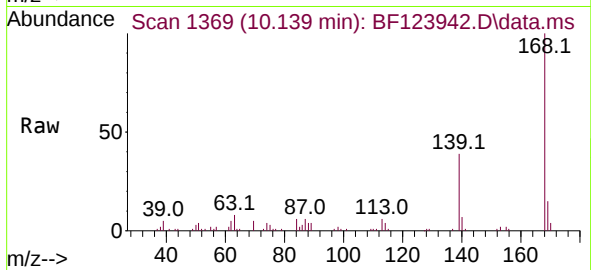




#55
Dibenzenofuran
Concen: 6.33 ng
RT: 10.139 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

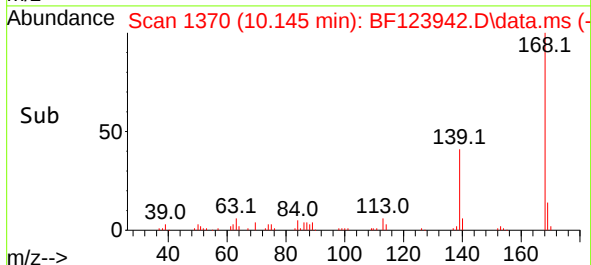
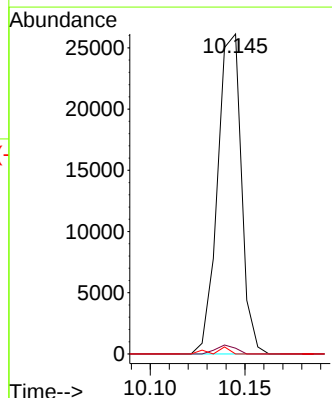
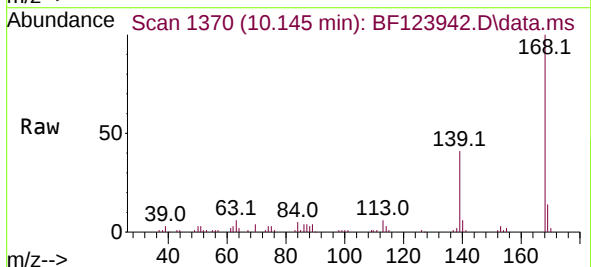
Instrument :
BNA_F
ClientSampleId :
KTW-01

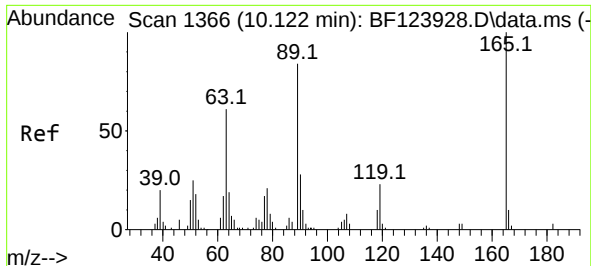
Tgt Ion:168 Resp: 56326
Ion Ratio Lower Upper
168 100
139 39.4 33.2 49.8
169 15.4 10.8 16.2



#56
4-Nitrophenol
Concen: 19.69 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.118 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

Tgt Ion:139 Resp: 22872
Ion Ratio Lower Upper
139 100
109 3.3 63.2 103.2#
65 0.0 110.0 150.0#

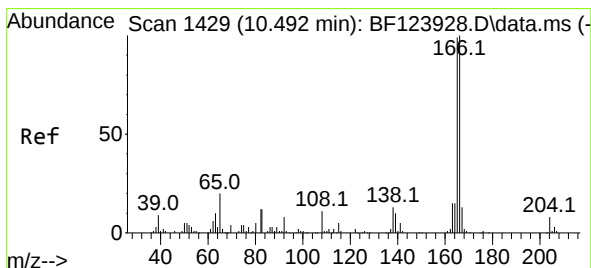
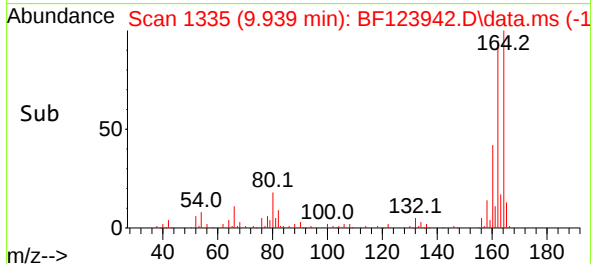
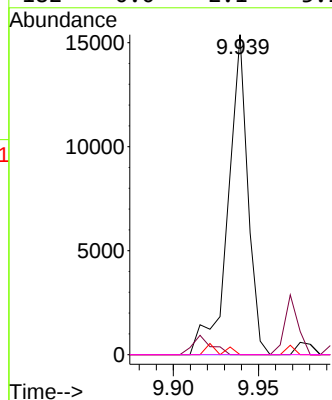
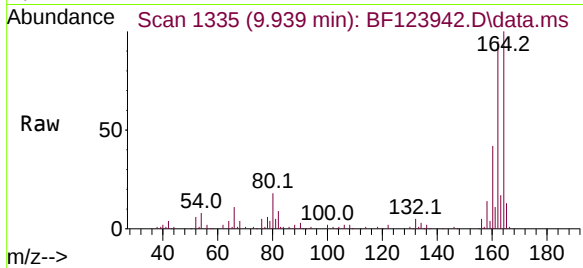




#57
2,4-Dinitrotoluene
Concen: 7.15 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.182 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

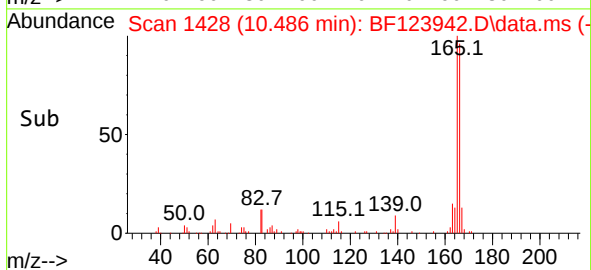
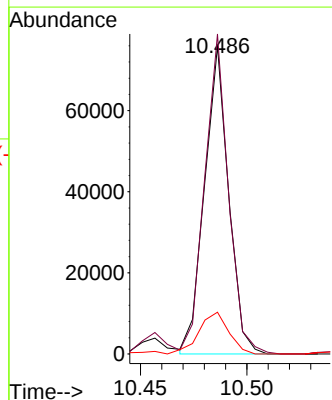
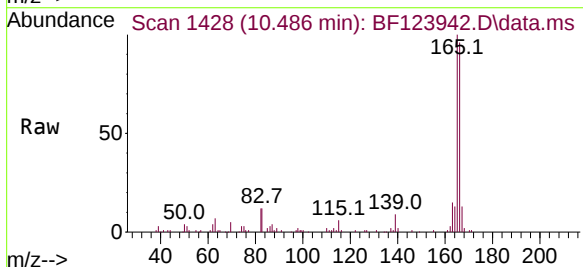
Instrument :
BNA_F
ClientSampled :
KTW-01

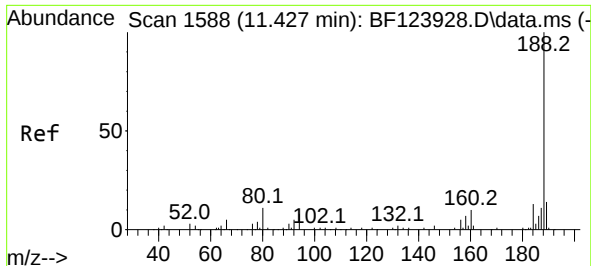
Tgt Ion:	165	Resp:	12389
Ion Ratio	Lower	Upper	
165	100		
63	0.0	43.5	65.3#
89	0.0	67.7	101.5#
182	0.0	2.1	3.1#



#58
Fluorene
Concen: 8.90 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

Tgt Ion:	166	Resp:	59661
Ion Ratio	Lower	Upper	
166	100		
165	103.9	73.5	110.3
167	13.6	10.7	16.1

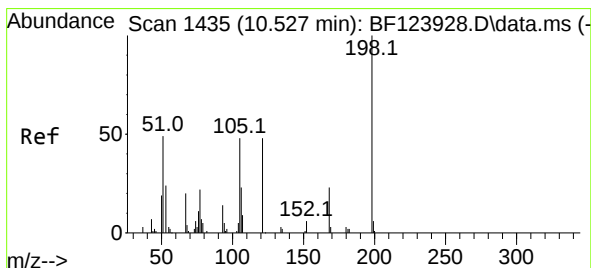
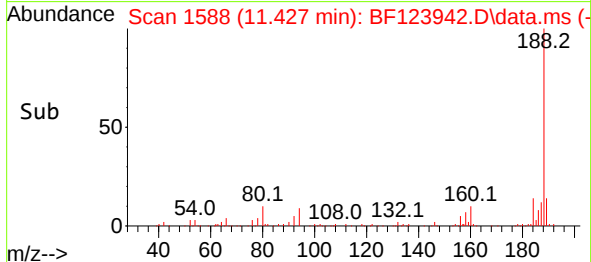
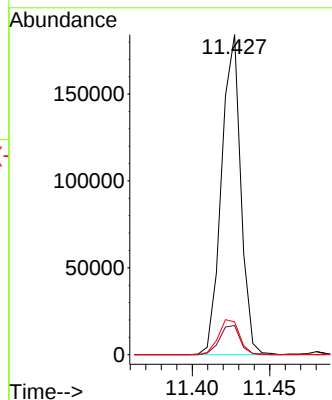
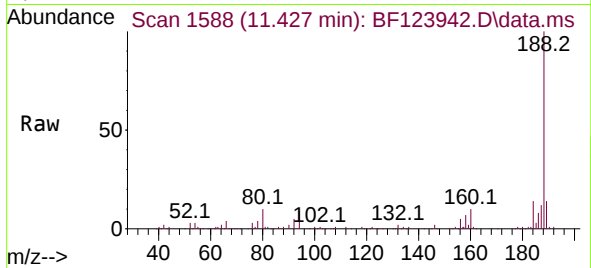




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

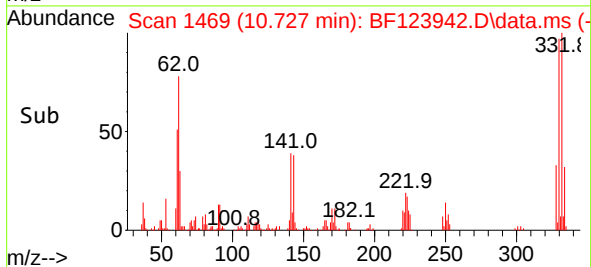
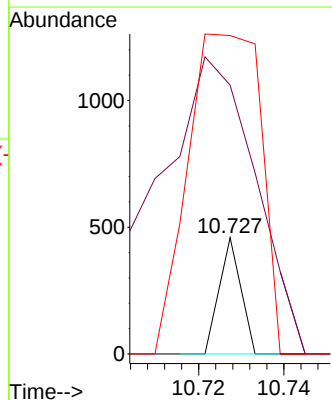
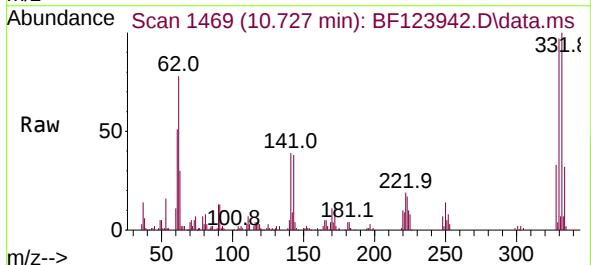
Instrument :
BNA_F
ClientSampleId :
KTW-01

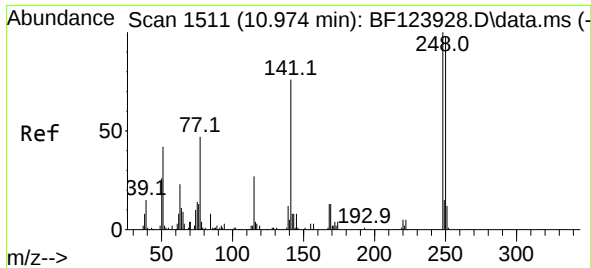
Tgt Ion:188 Resp: 159185
Ion Ratio Lower Upper
188 100
94 9.1 6.9 10.3
80 10.3 8.2 12.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.58 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.200 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

Tgt Ion:198 Resp: 162
Ion Ratio Lower Upper
198 100
51 231.2 64.8 104.8#
105 273.9 42.6 82.6#

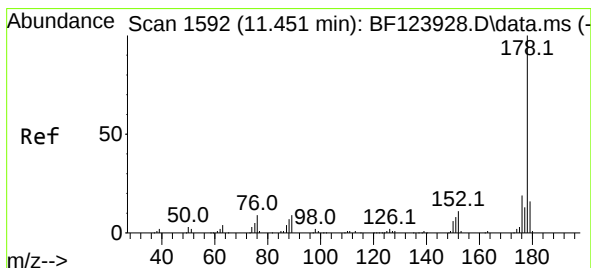
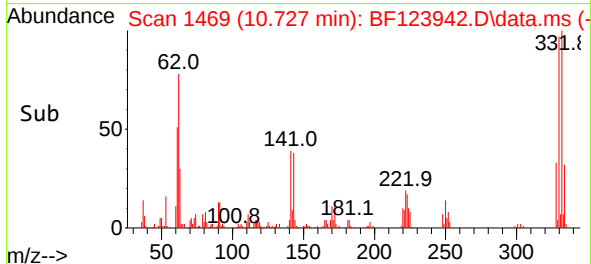
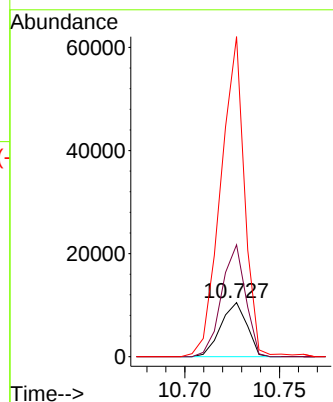
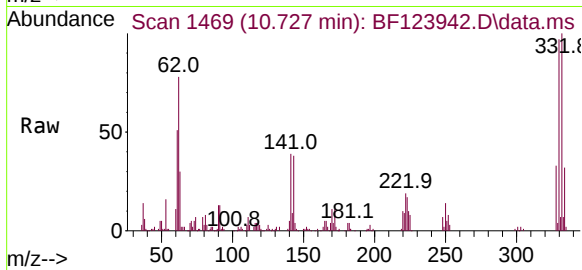




#67
4-Bromophenyl-phenylether
Concen: 4.81 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

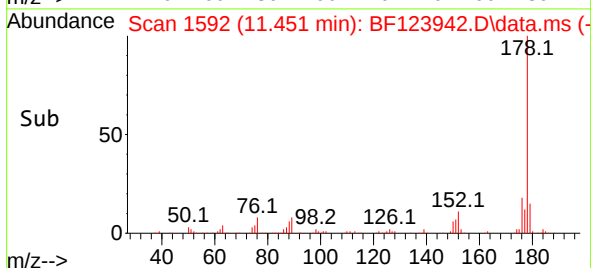
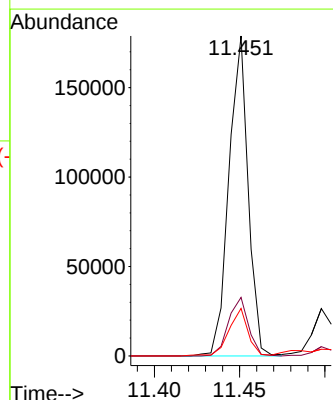
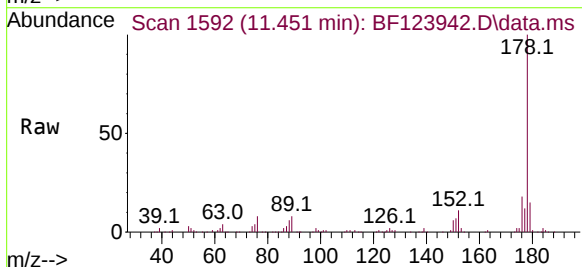
Instrument :
BNA_F
ClientSampleId :
KTW-01

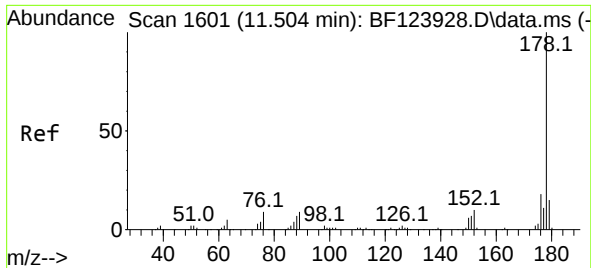
Tgt Ion:248 Resp: 10063
Ion Ratio Lower Upper
248 100
250 207.0 77.4 116.2#
141 591.9 63.7 95.5#



#71
Phenanthrene
Concen: 13.92 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.000 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

Tgt Ion:178 Resp: 140466
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 14.9 12.5 18.7

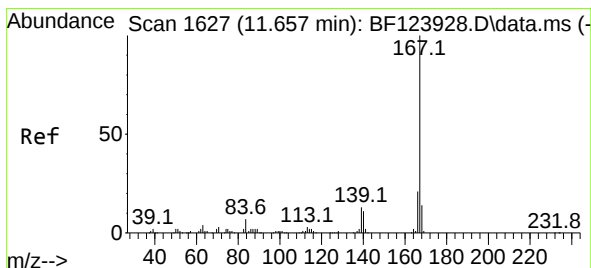
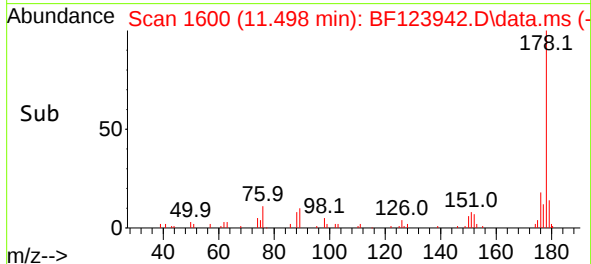
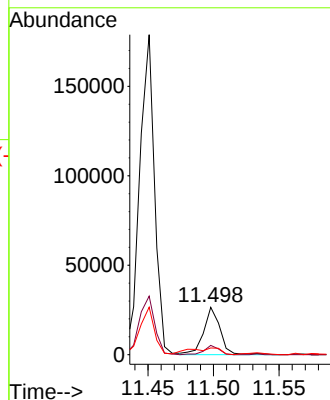
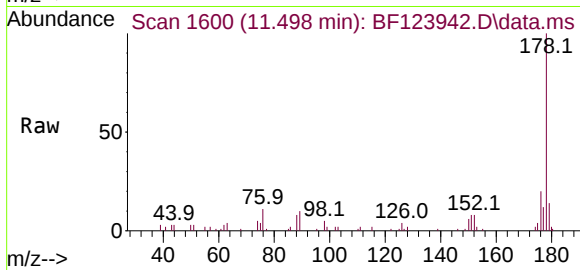




#72
 Anthracene
 Concen: 2.28 ng
 RT: 11.498 min Scan# 1600
 Delta R.T. -0.006 min
 Lab File: BF123942.D
 Acq: 15 May 2021 13:39

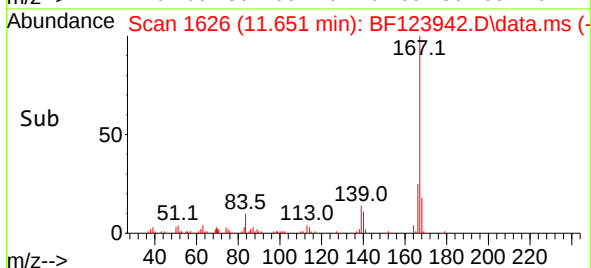
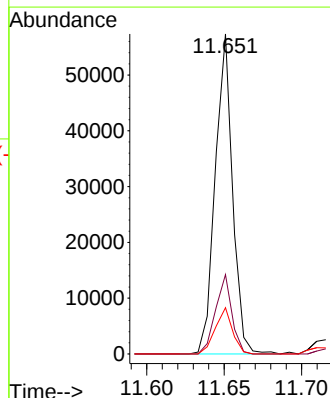
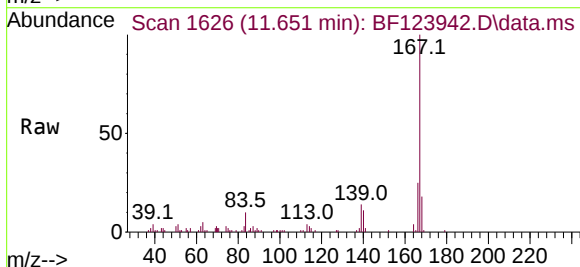
Instrument :
 BNA_F
 ClientSampleId :
 KTW-01

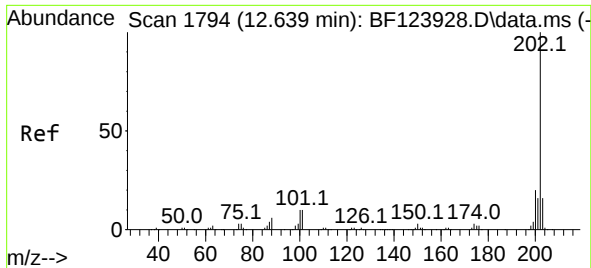
Tgt Ion:178 Resp: 23342
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.0
 179 14.2 12.6 18.8



#73
 Carbazole
 Concen: 4.99 ng
 RT: 11.651 min Scan# 1626
 Delta R.T. -0.006 min
 Lab File: BF123942.D
 Acq: 15 May 2021 13:39

Tgt Ion:167 Resp: 44607
 Ion Ratio Lower Upper
 167 100
 166 24.8 17.0 25.6
 139 14.4 10.4 15.6

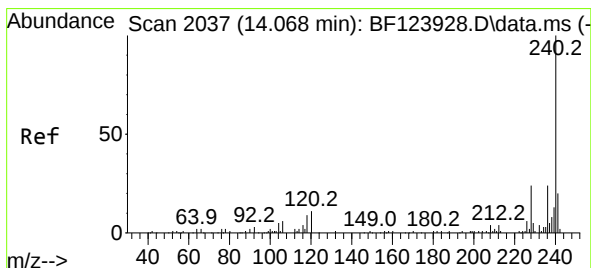
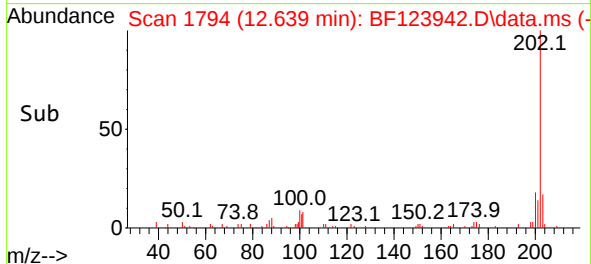
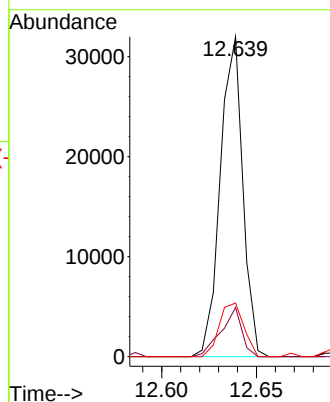
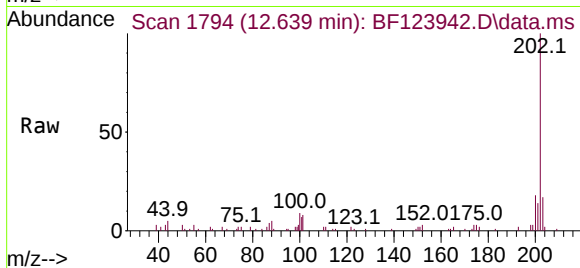




#75
Fluoranthene
Concen: 2.53 ng
RT: 12.639 min Scan# 1794
Delta R.T. -0.000 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

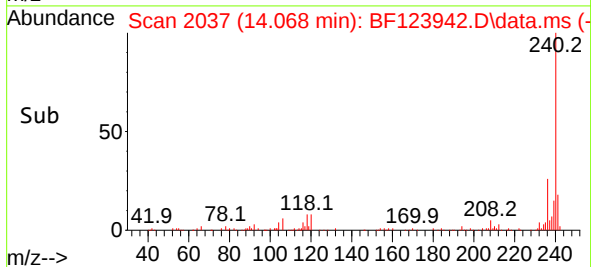
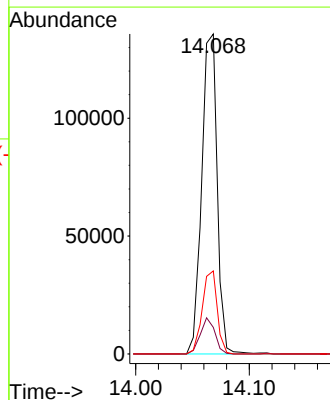
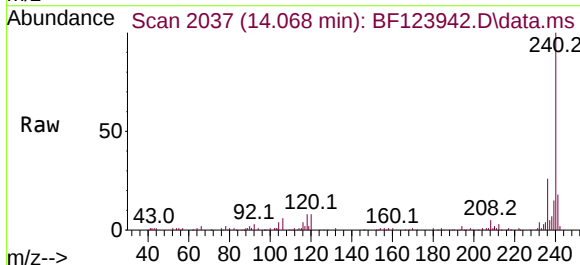
Instrument :
BNA_F
ClientSampleId :
KTW-01

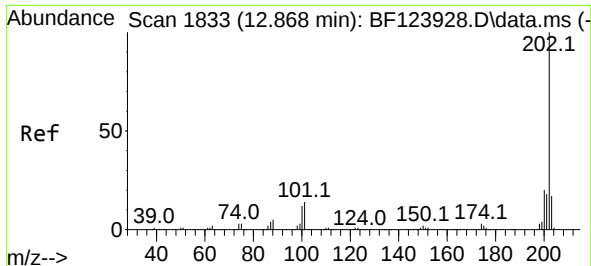
Tgt Ion:202	Resp:	26415
Ion Ratio	Lower	Upper
202	100	
101	15.4	0.0 30.9
203	16.8	0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

Tgt Ion:240	Resp:	128753
Ion Ratio	Lower	Upper
240	100	
120	8.3	7.2 10.8
236	25.9	19.0 28.4

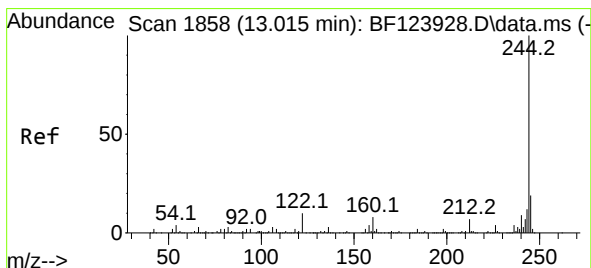
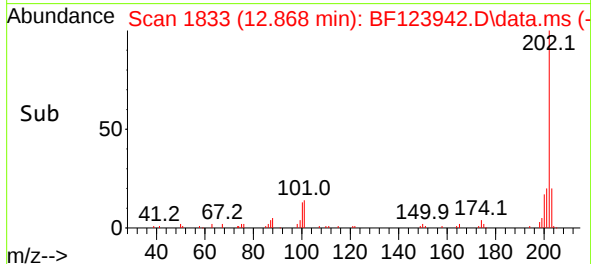
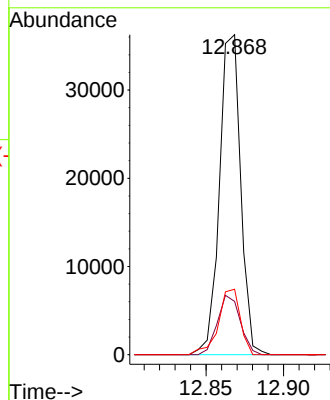
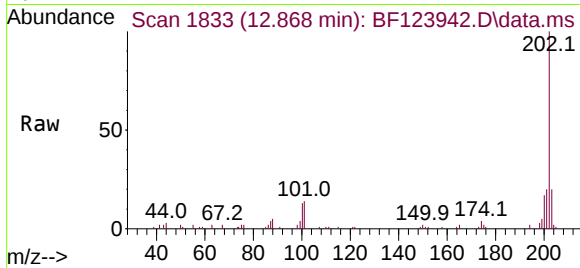




#78
Pyrene
Concen: 3.02 ng
RT: 12.868 min Scan# 1833
Delta R.T. -0.000 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

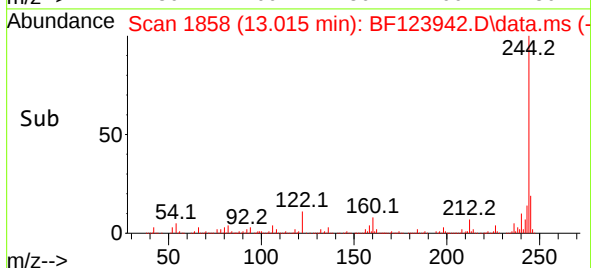
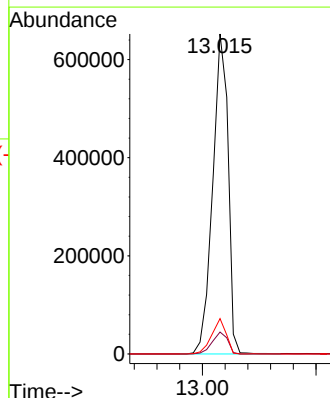
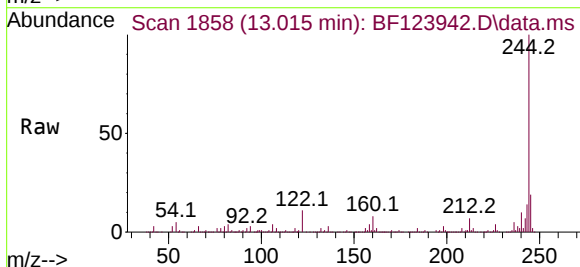
Instrument :
BNA_F
ClientSampleId :
KTW-01

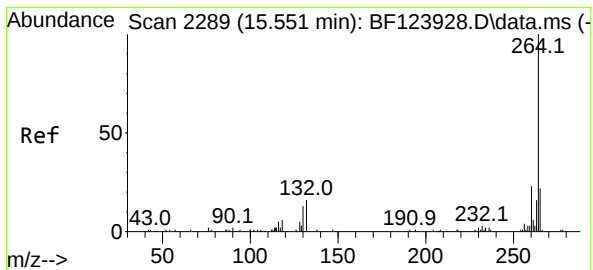
Tgt Ion:202 Resp: 34515
Ion Ratio Lower Upper
202 100
200 16.7 16.1 24.1
203 20.4 14.8 22.2



#79
Terphenyl-d14
Concen: 72.21 ng
RT: 13.015 min Scan# 1858
Delta R.T. -0.000 min
Lab File: BF123942.D
Acq: 15 May 2021 13:39

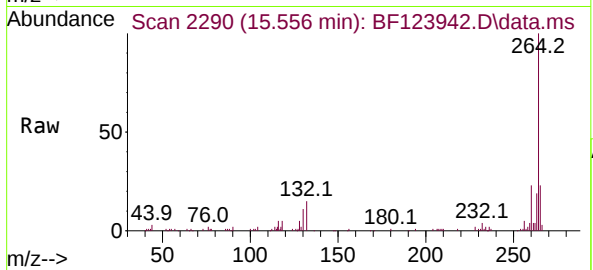
Tgt Ion:244 Resp: 613859
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 11.1 9.7 14.5





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.556 min Scan# 2290
 Delta R.T. 0.006 min
 Lab File: BF123942.D
 Acq: 15 May 2021 13:39

Instrument :
 BNA_F
 ClientSampleId :
 KTW-01



Tgt Ion:264 Resp: 102955

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	22.7	17.8	26.8

