

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
 Data File : BF123069.D
 Acq On : 28 Jan 2021 20:15
 Operator : JU/CG
 Sample : M1255-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CRT-17

Quant Time: Jan 28 23:42:51 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 28 00:48:07 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

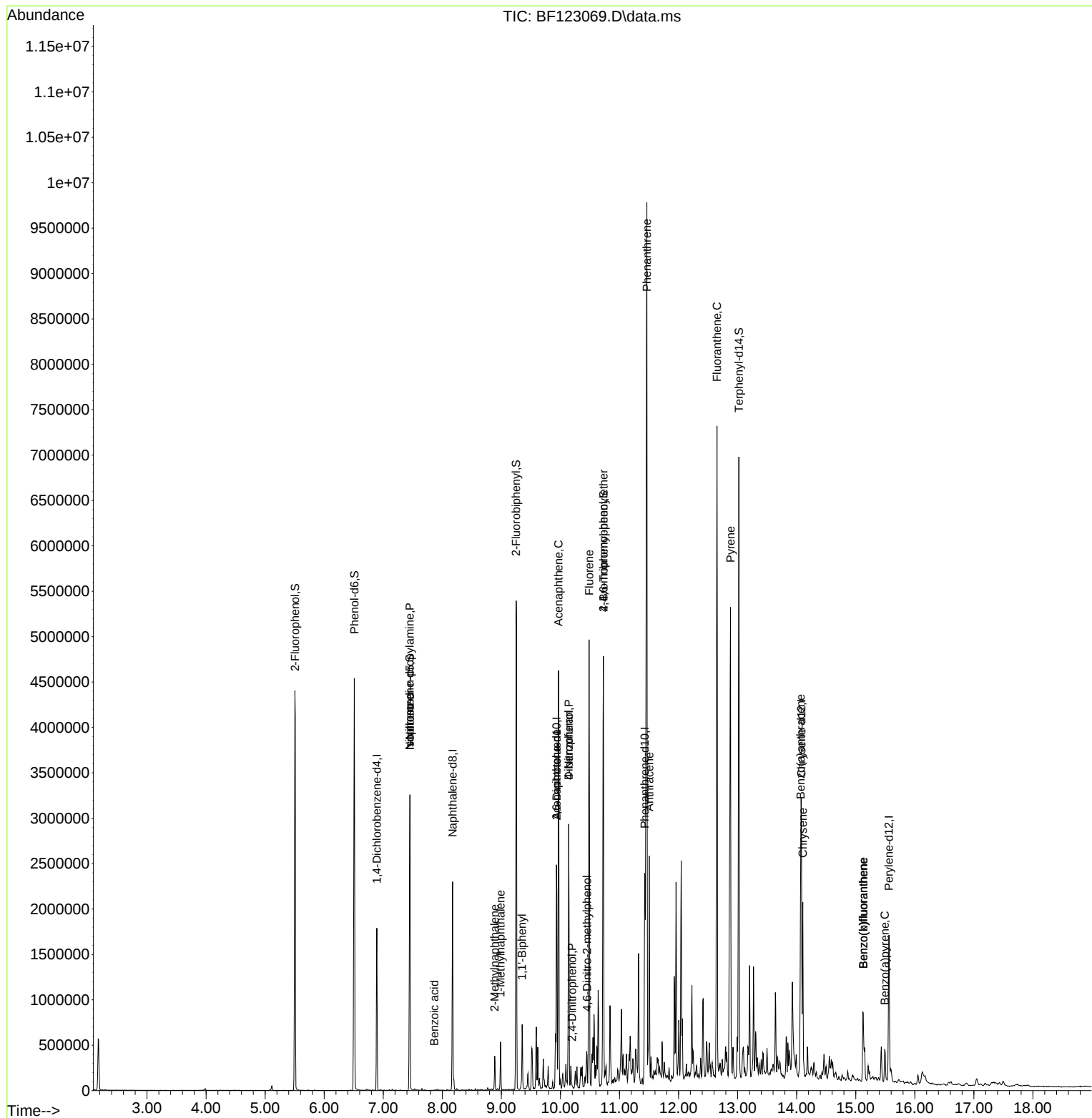
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	250565	20.00	ng	0.00
21) Naphthalene-d8	8.175	136	961753	20.00	ng	# 0.00
39) Acenaphthene-d10	9.933	164	524601	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	980699	20.00	ng	0.00
76) Chrysene-d12	14.080	240	850236	20.00	ng	0.00
86) Perylene-d12	15.562	264	706025	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1321114	81.33	ng	0.00
7) Phenol-d6	6.510	99	1691035	76.80	ng	0.00
23) Nitrobenzene-d5	7.451	82	1047003	54.79	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	486163	85.37	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1838582	52.10	ng	-0.01
79) Terphenyl-d14	13.021	244	2142896	49.52	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	139016	10.50	ng	# 79
25) Isophorone	7.451	82	1046986	29.91	ng	# 65
32) Benzoic acid	7.863	122	128	4.92	ng	# 1
37) 2-Methylnaphthalene	8.886	142	98908	2.82	ng	99
38) 1-Methylnaphthalene	8.986	142	131838	3.98	ng	99
46) 1,1'-Biphenyl	9.351	154	209315	4.86	ng	97
51) 2,6-Dinitrotoluene	9.933	165	100136	11.42	ng	# 32
52) Acenaphthene	9.969	154	945237	27.91	ng	98
54) 2,4-Dinitrophenol	10.198	184	125	6.87	ng	# 46
55) Dibenzofuran	10.139	168	1061372	21.54	ng	99
56) 4-Nitrophenol	10.139	139	391000	52.17	ng	# 15
58) Fluorene	10.486	166	1344388	34.15	ng	99
65) 4,6-Dinitro-2-methylph...	10.451	198	265	5.02	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	31745	2.54	ng	# 1
71) Phenanthrene	11.463	178	4423295	72.62	ng	96
72) Anthracene	11.504	178	828185	14.17	ng	99
75) Fluoranthene	12.651	202	3098327	50.90	ng	98
78) Pyrene	12.880	202	2258256	35.18	ng	100
81) Benzo(a)anthracene	14.068	228	716492	12.45	ng	98
83) Chrysene	14.104	228	712194	12.37	ng	97
88) Benzo(b)fluoranthene	15.127	252	567412	11.13	ng	97
89) Benzo(k)fluoranthene	15.127	252	567412	11.98	ng	99
90) Benzo(a)pyrene	15.492	252	179917	4.02	ng	97

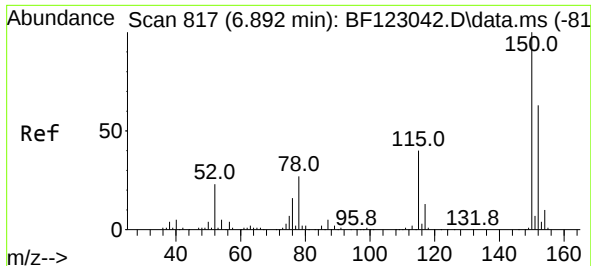
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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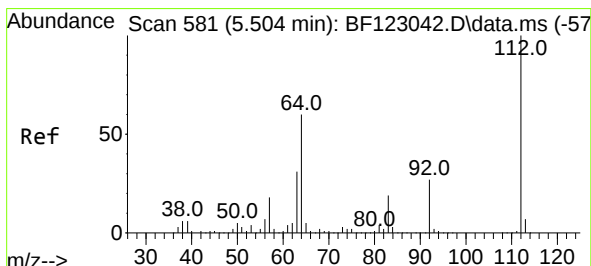
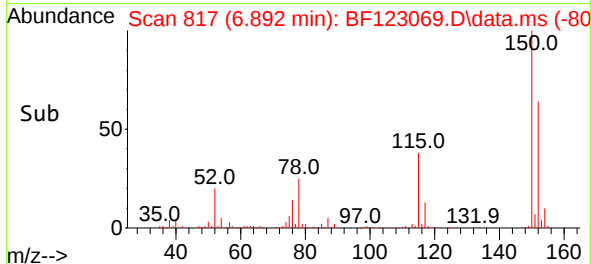
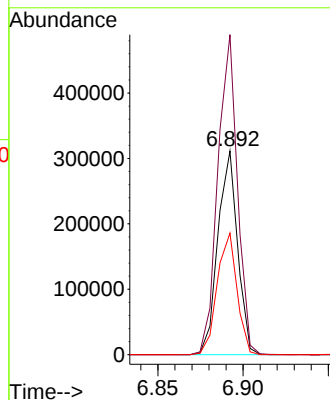
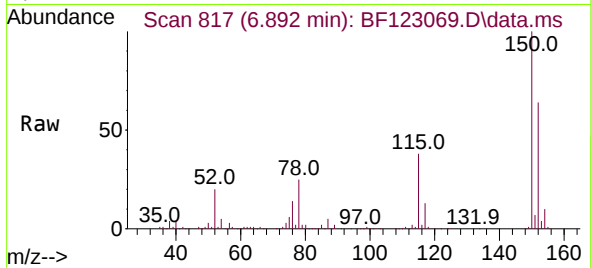




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. 0.000 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

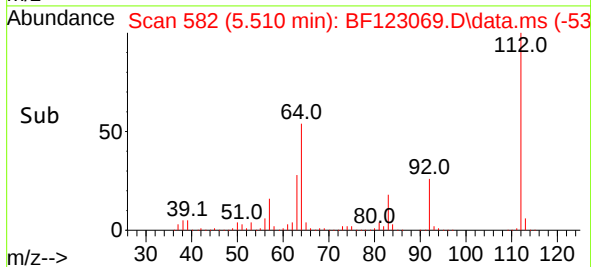
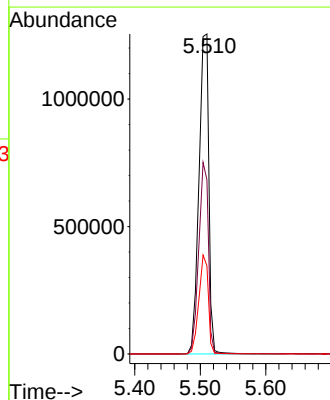
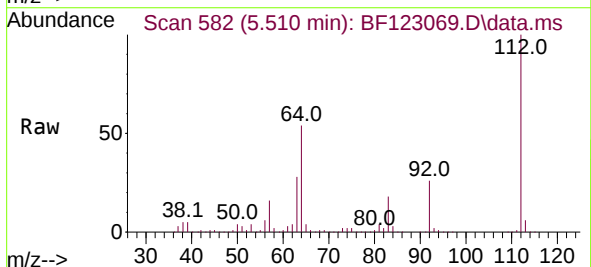
Instrument :
BNA_F
ClientSampleId :
CRT-17

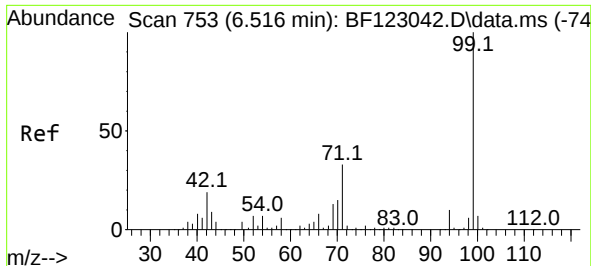
Tgt Ion:152 Resp: 250565
Ion Ratio Lower Upper
152 100
150 157.1 125.8 188.6
115 59.7 49.3 73.9



#5
2-Fluorophenol
Concen: 81.33 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

Tgt Ion:112 Resp: 1321114
Ion Ratio Lower Upper
112 100
64 54.4 46.9 70.3
63 27.5 24.5 36.7

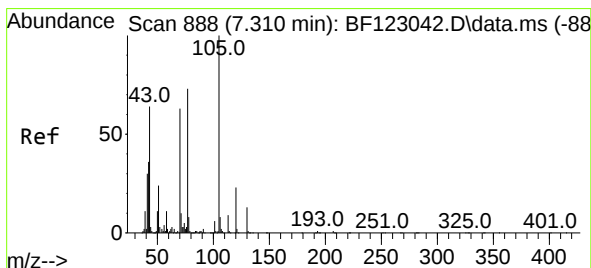
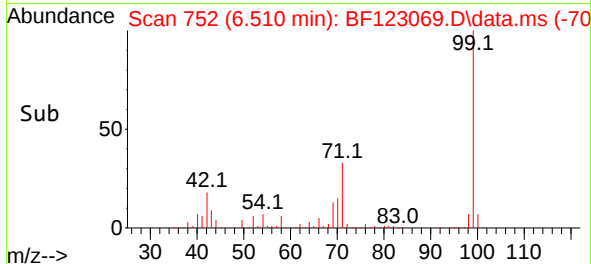
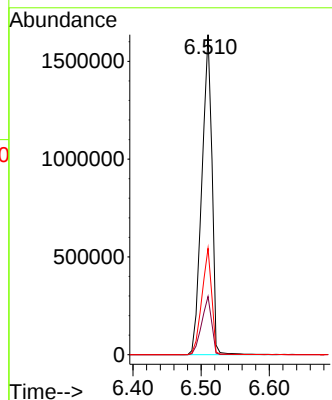
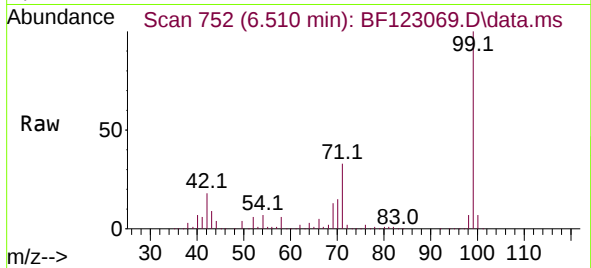




#7
Phenol-d6
Concen: 76.80 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

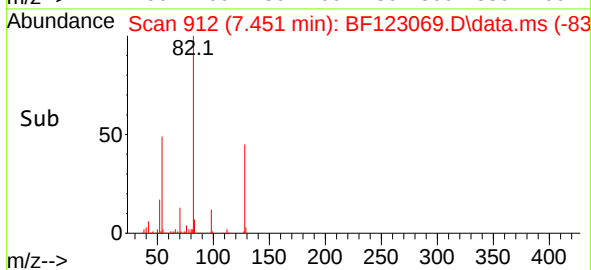
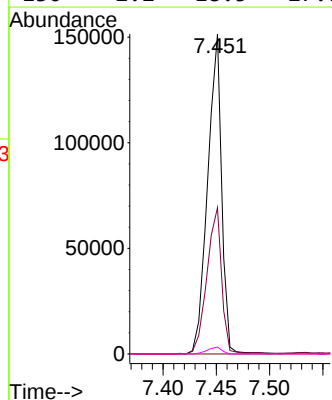
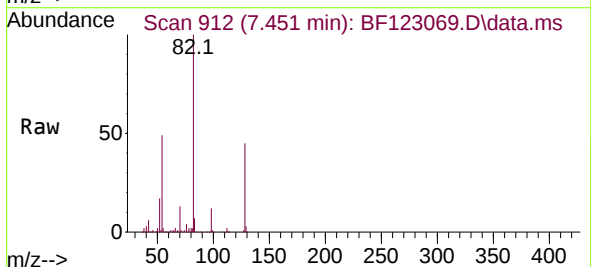
Instrument :
BNA_F
ClientSampleId :
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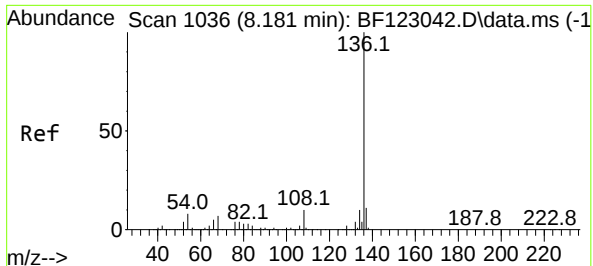
Tgt Ion: 99 Resp: 1691035
Ion Ratio Lower Upper
99 100
42 18.2 13.8 20.6
71 33.3 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 10.50 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

Tgt Ion: 70 Resp: 139016
Ion Ratio Lower Upper
70 100
42 45.8 43.0 64.4
101 0.0 7.9 11.9#
130 2.2 18.5 27.7#

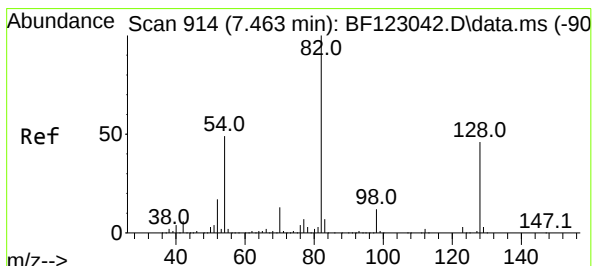
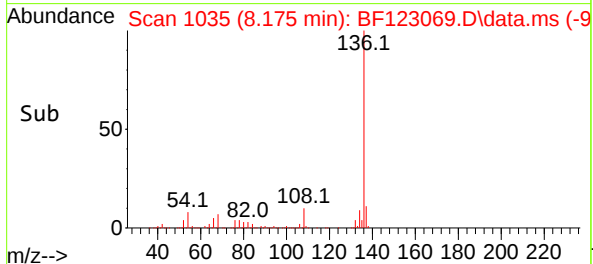
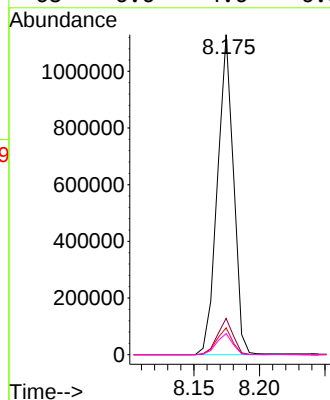
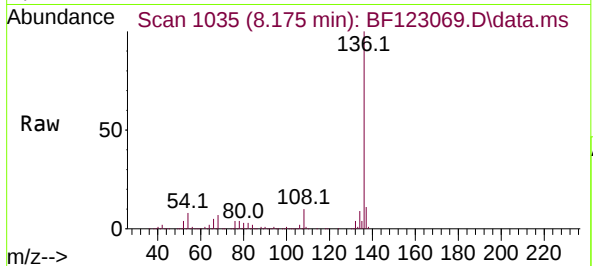




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

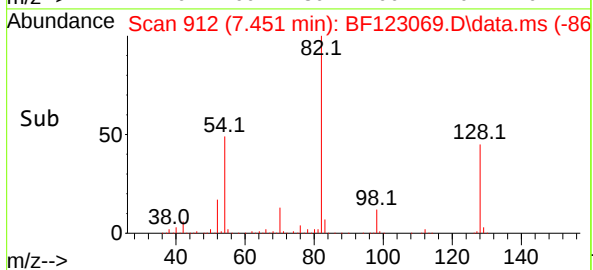
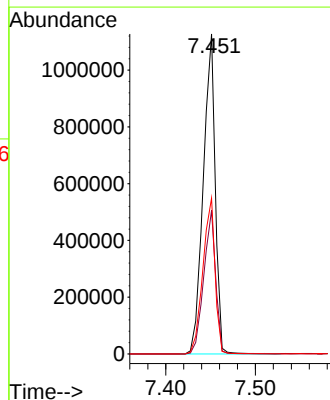
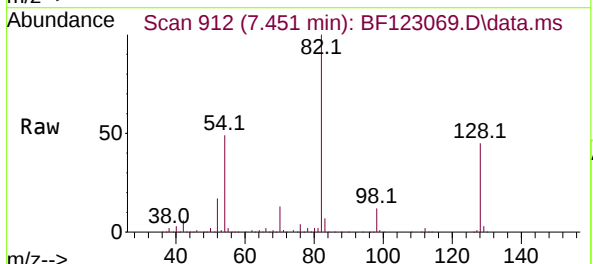
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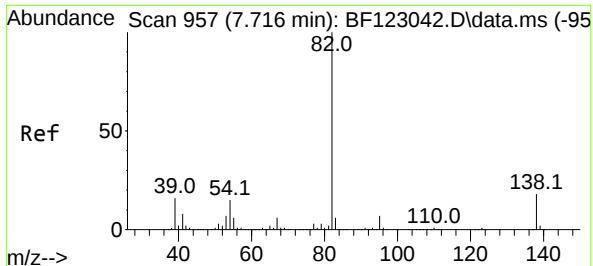
Tgt Ion:	136	Resp:	961753
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.4	5.5	8.3#
68	6.6	4.6	6.8



#23
Nitrobenzene-d5
Concen: 54.79 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF123069.D
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Tgt Ion:	82	Resp:	1047003
Ion	Ratio	Lower	Upper
82	100		
128	44.8	37.0	55.4
54	48.7	38.4	57.6

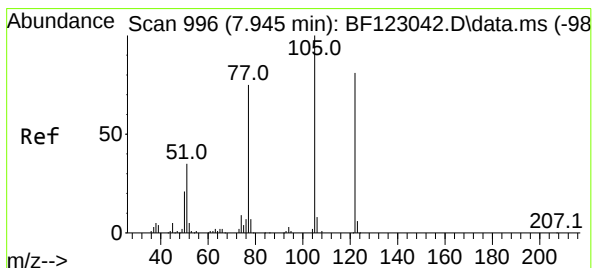
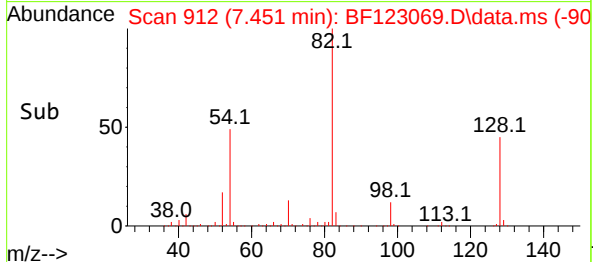
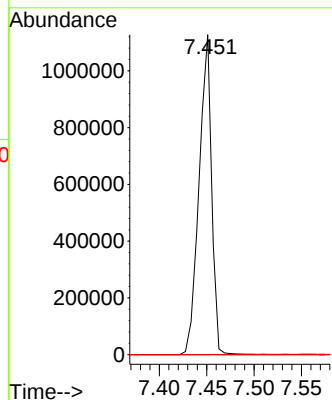
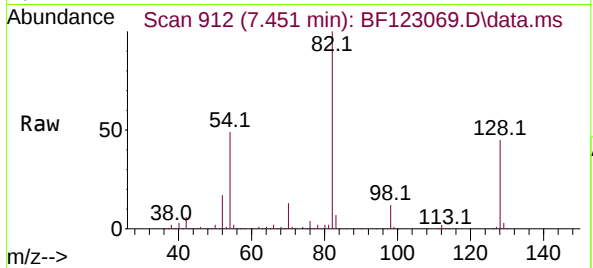




#25
Isophorone
Concen: 29.91 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.265 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

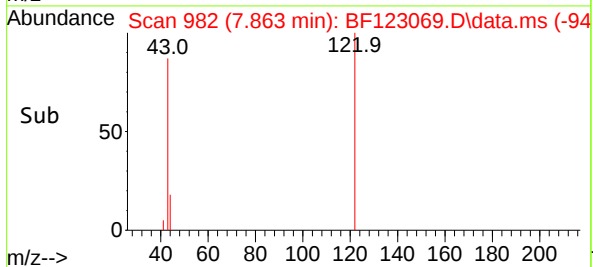
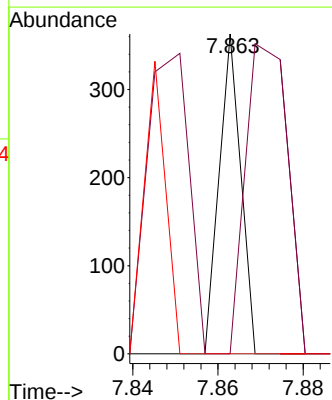
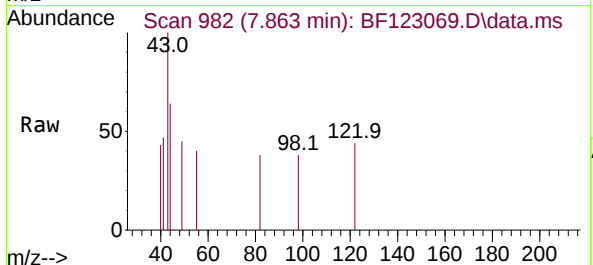
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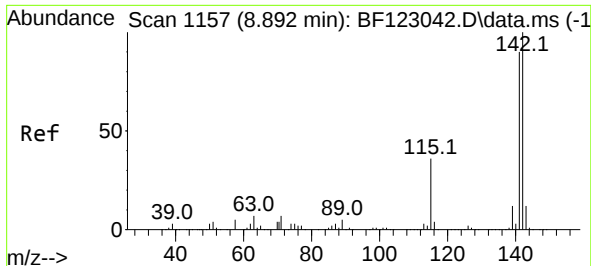
Tgt Ion: 82 Resp: 1046986
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 4.92 ng
RT: 7.863 min Scan# 982
Delta R.T. -0.082 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

Tgt Ion: 122 Resp: 128
Ion Ratio Lower Upper
122 100
105 0.0 104.8 144.8#
77 0.0 71.0 111.0#

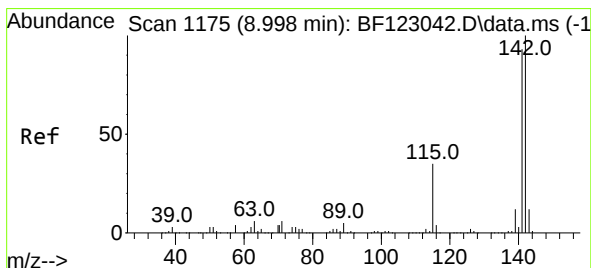
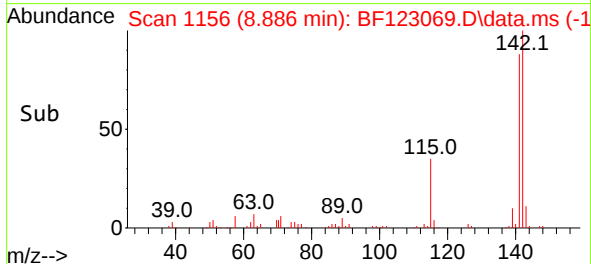
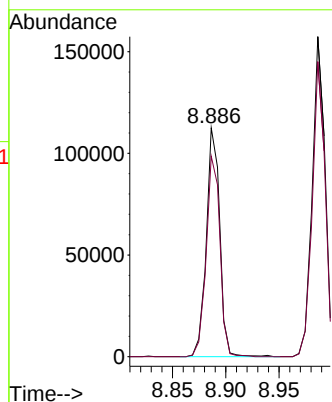
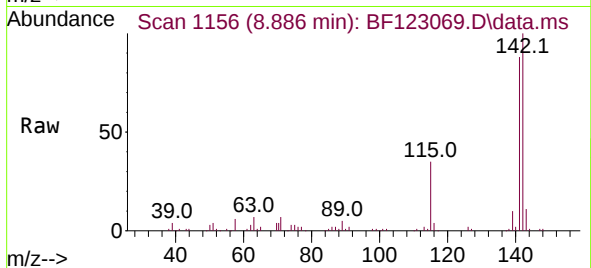




#37
2-Methylnaphthalene
Concen: 2.82 ng
RT: 8.886 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

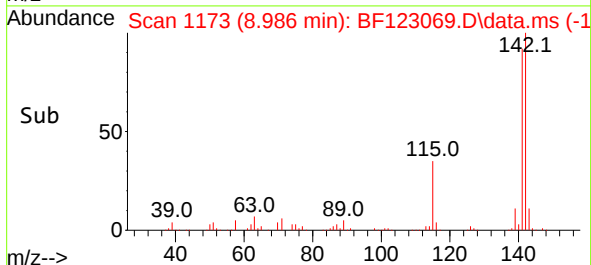
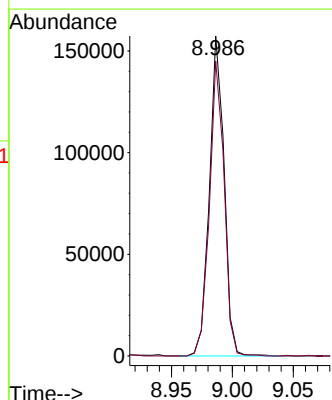
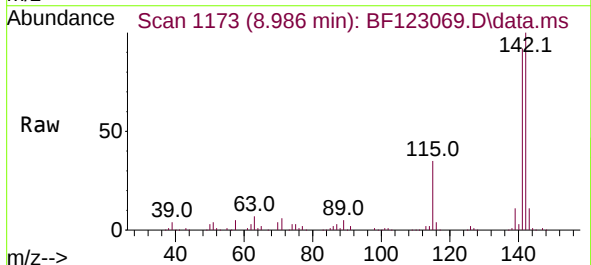
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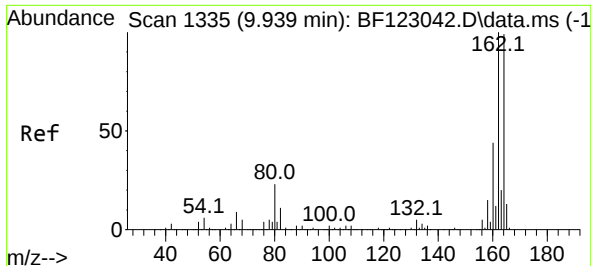
Tgt Ion:142 Resp: 98908
Ion Ratio Lower Upper
142 100
141 87.6 70.6 106.0



#38
1-Methylnaphthalene
Concen: 3.98 ng
RT: 8.986 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

Tgt Ion:142 Resp: 131838
Ion Ratio Lower Upper
142 100
141 92.2 74.5 111.7

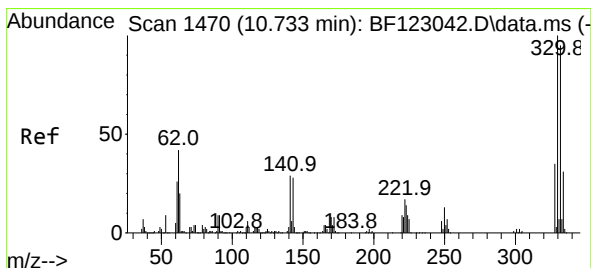
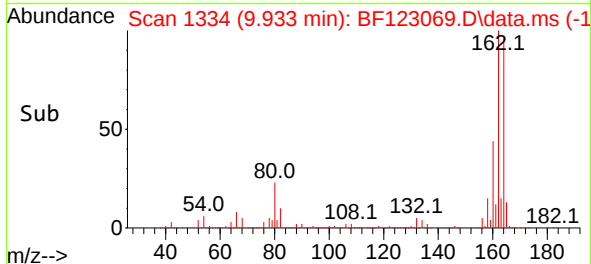
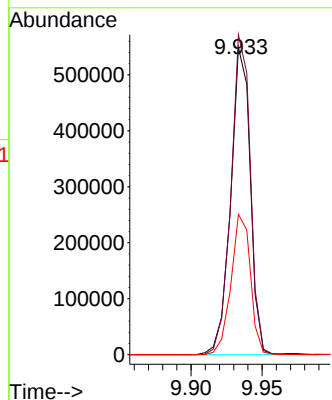
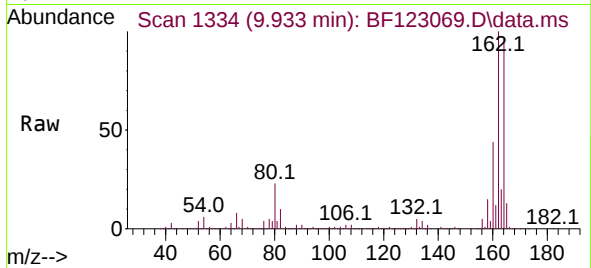




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

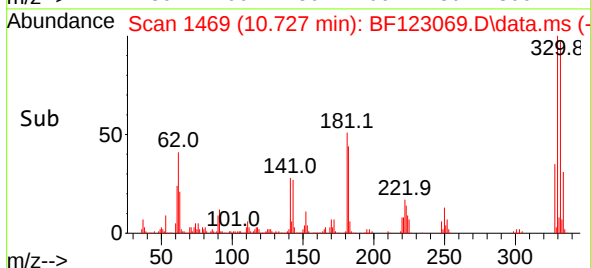
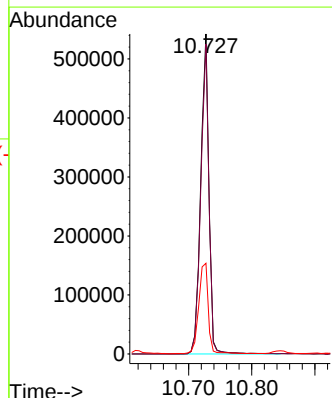
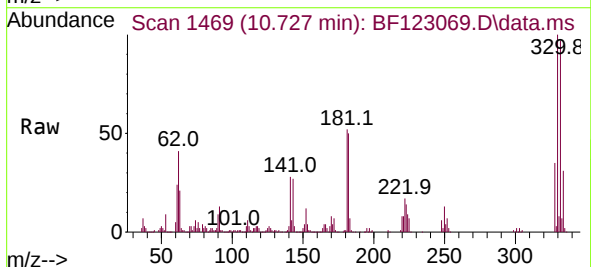
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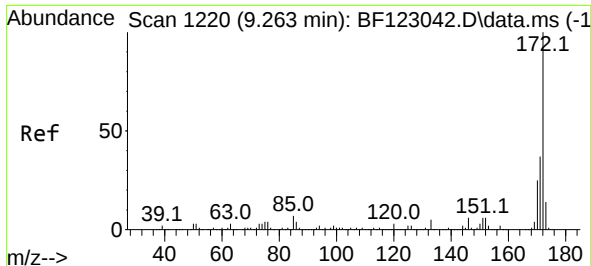
Tgt Ion:164 Resp: 524601
Ion Ratio Lower Upper
164 100
162 104.2 80.8 121.2
160 45.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 85.37 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

Tgt Ion:330 Resp: 486163
Ion Ratio Lower Upper
330 100
332 96.4 77.5 116.3
141 32.9 23.8 35.8

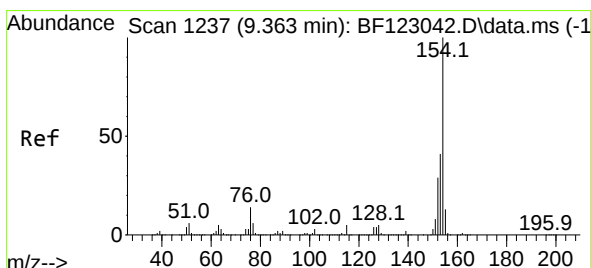
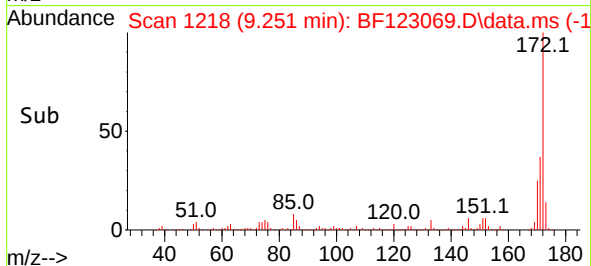
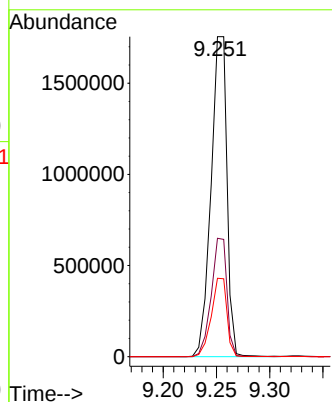
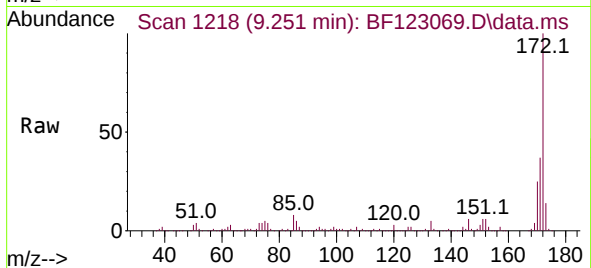




#45
2-Fluorobiphenyl
Concen: 52.10 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

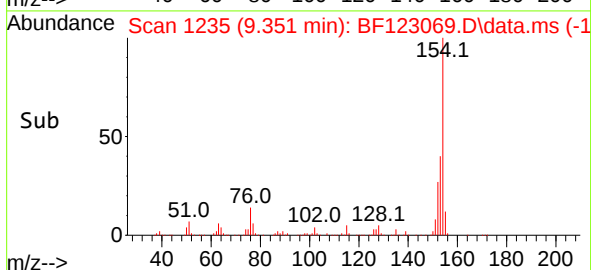
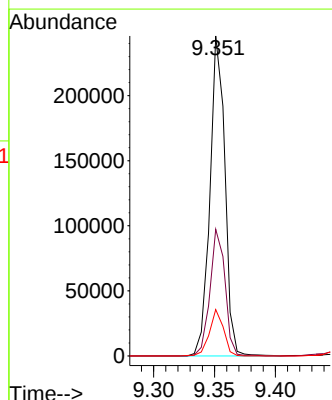
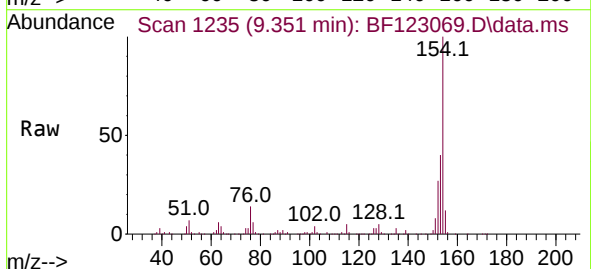
Instrument :
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CRT-17

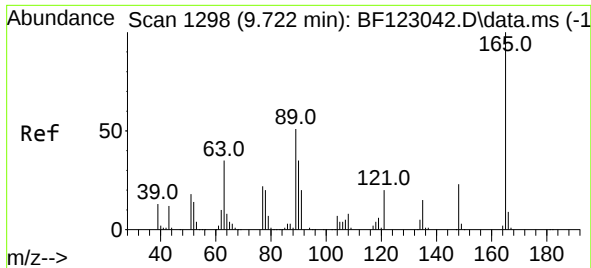
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Ion Ratio Lower Upper
172 100
171 37.0 29.6 44.4
170 24.5 19.5 29.3



#46
1,1'-Biphenyl
Concen: 4.86 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.012 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

Tgt Ion:154 Resp: 209315
Ion Ratio Lower Upper
154 100
153 39.6 21.8 61.8
76 14.5 0.0 33.4

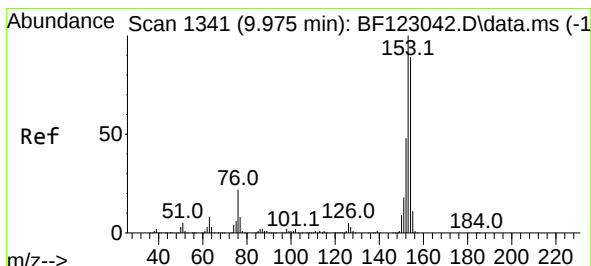
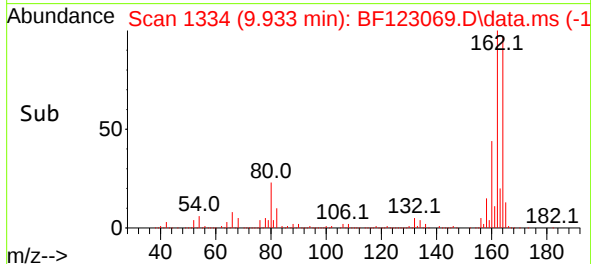
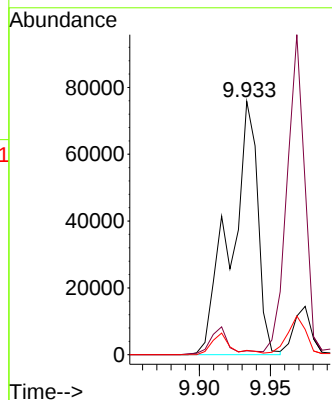
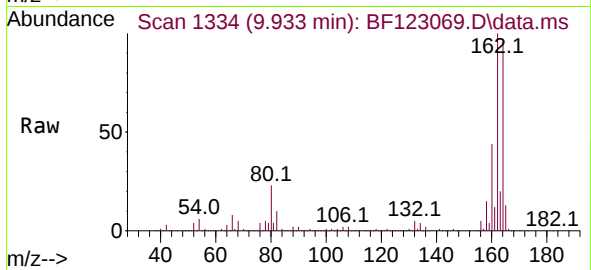




#51
2,6-Dinitrotoluene
Concen: 11.42 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.212 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

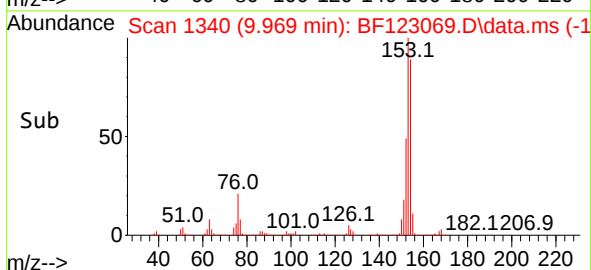
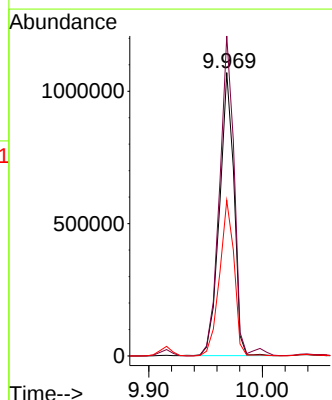
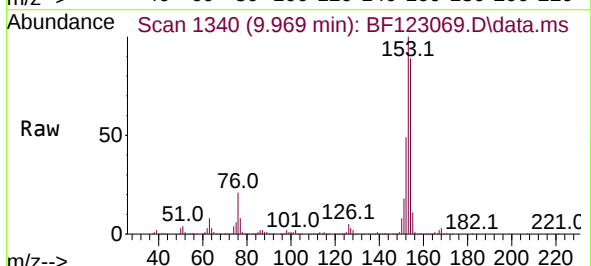
Instrument :
BNA_F
ClientSampled :
CRT-17

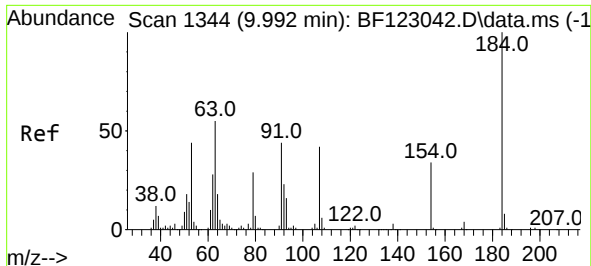
Tgt Ion:165 Resp: 100136
Ion Ratio Lower Upper
165 100
63 1.5 36.6 55.0#
89 1.7 39.4 59.0#



#52
Acenaphthene
Concen: 27.91 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

Tgt Ion:154 Resp: 945237
Ion Ratio Lower Upper
154 100
153 112.9 89.0 133.6
152 54.9 42.7 64.1

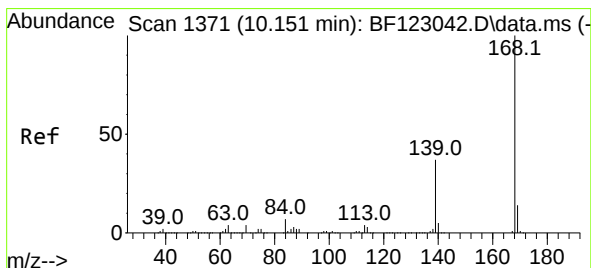
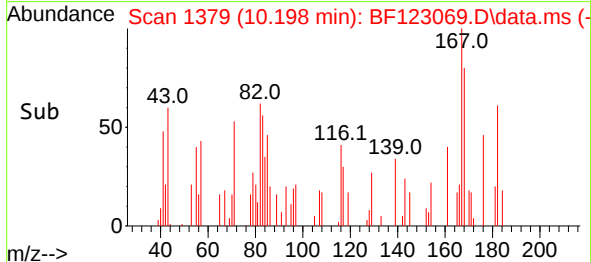
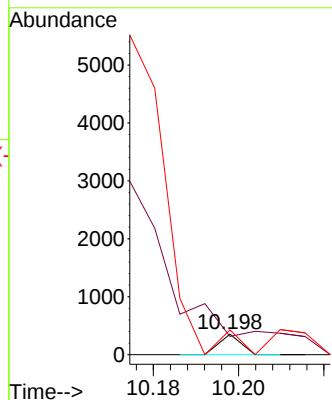
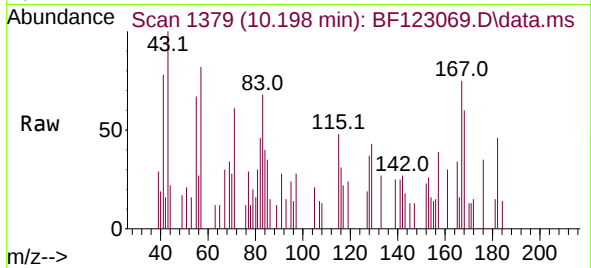




#54
2,4-Dinitrophenol
Concen: 6.87 ng
RT: 10.198 min Scan# 1379
Delta R.T. 0.206 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

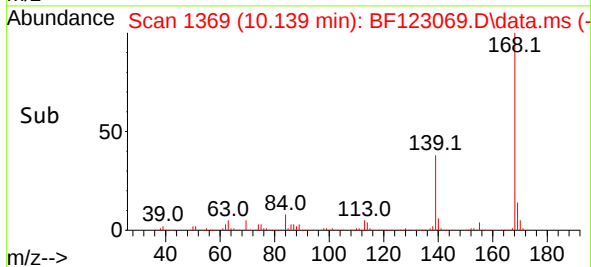
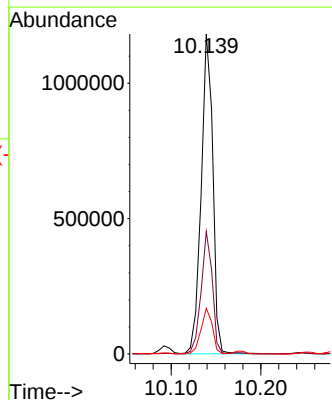
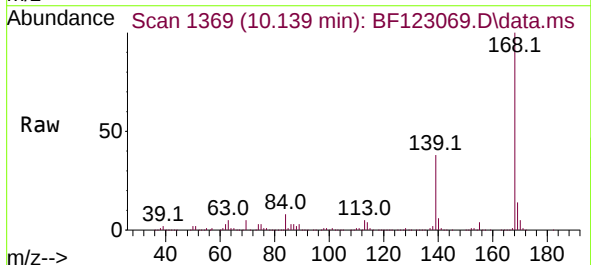
Instrument :
BNA_F
ClientSampleId :
CRT-17

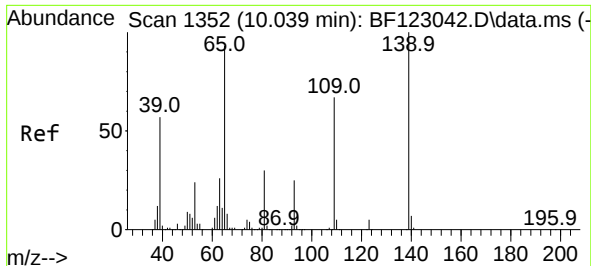
Tgt Ion:184 Resp: 125
Ion Ratio Lower Upper
184 100
63 89.3 51.4 77.2#
154 121.2 49.7 74.5#



#55
Dibenzofuran
Concen: 21.54 ng
RT: 10.139 min Scan# 1369
Delta R.T. -0.012 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

Tgt Ion:168 Resp: 1061372
Ion Ratio Lower Upper
168 100
139 38.3 31.3 46.9
169 14.3 11.2 16.8

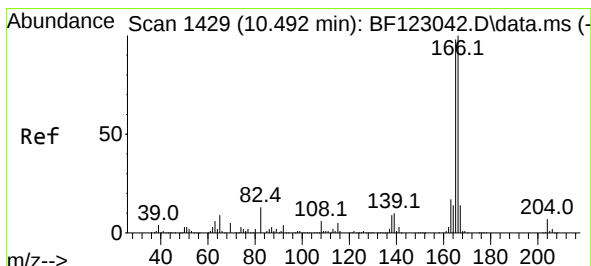
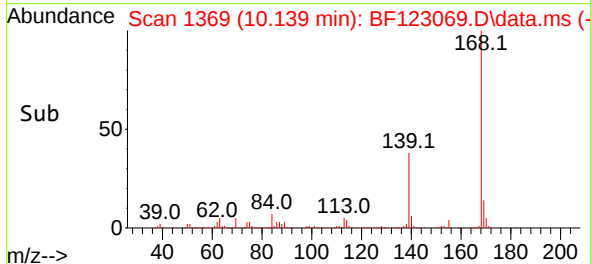
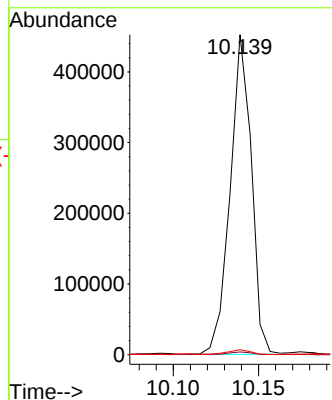
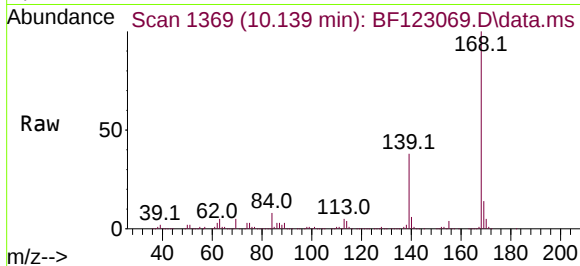




#56
4-Nitrophenol
Concen: 52.17 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.100 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

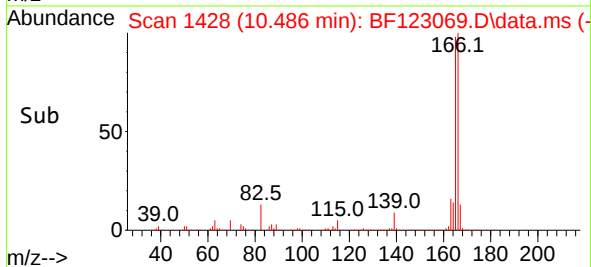
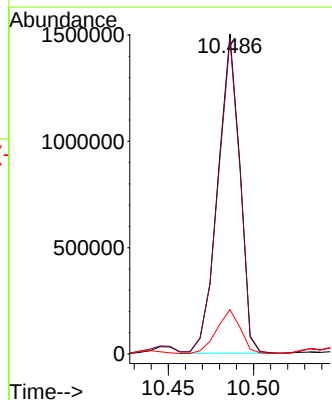
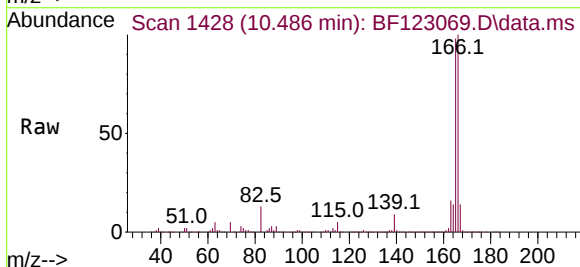
Instrument :
BNA_F
ClientSampleId :
CRT-17

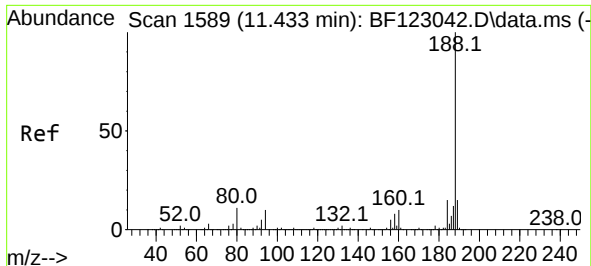
Tgt Ion:139 Resp: 391000
Ion Ratio Lower Upper
139 100
109 0.9 45.1 85.1#
65 1.6 59.2 99.2#



#58
Fluorene
Concen: 34.15 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

Tgt Ion:166 Resp: 1344388
Ion Ratio Lower Upper
166 100
165 98.3 79.4 119.0
167 13.8 10.9 16.3

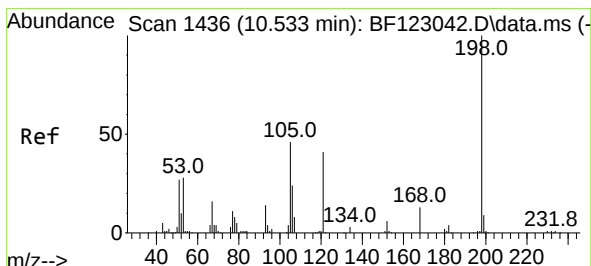
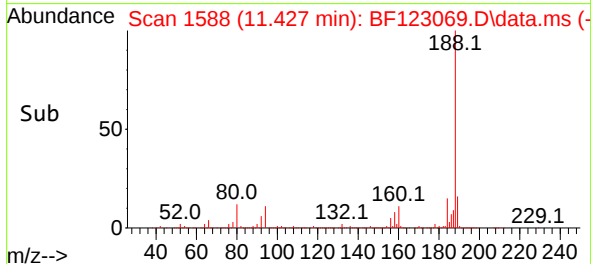
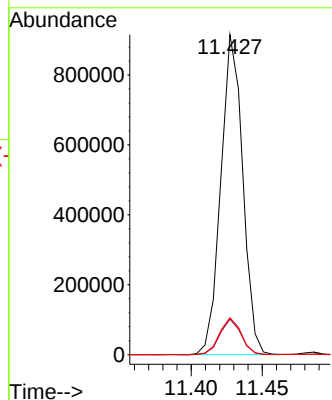
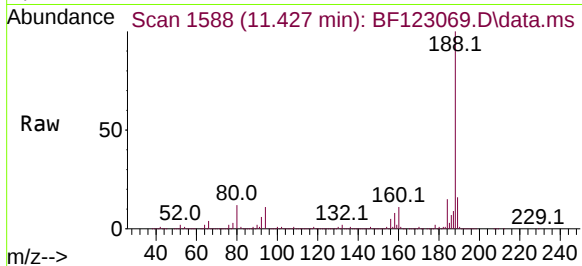




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

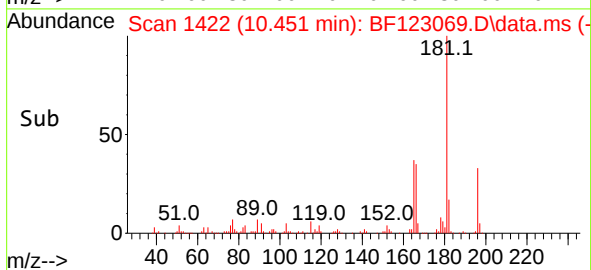
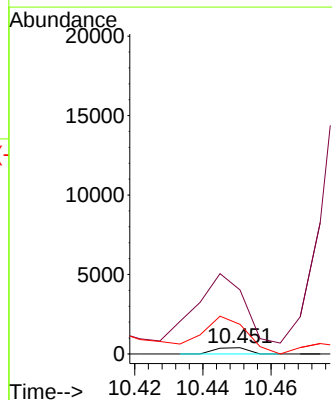
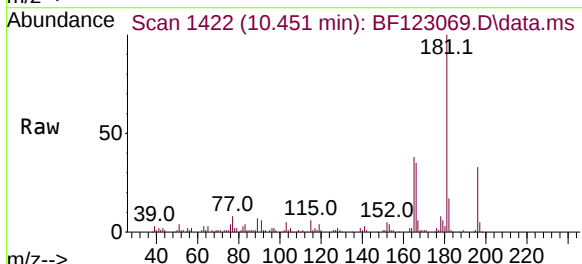
Instrument :
BNA_F
ClientSampleId :
CRT-17

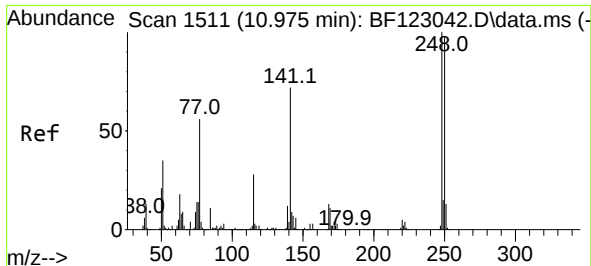
Tgt Ion:188 Resp: 980699
Ion Ratio Lower Upper
188 100
94 11.1 7.4 11.2
80 11.5 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.02 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.082 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

Tgt Ion:198 Resp: 265
Ion Ratio Lower Upper
198 100
51 1030.9 20.3 60.3#
105 476.2 23.0 63.0#

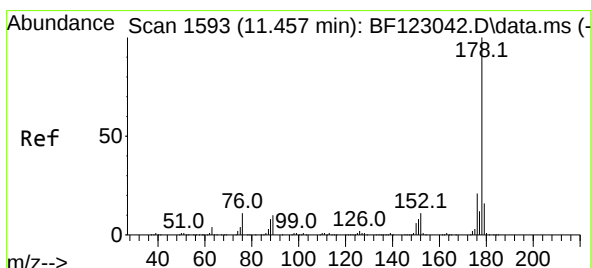
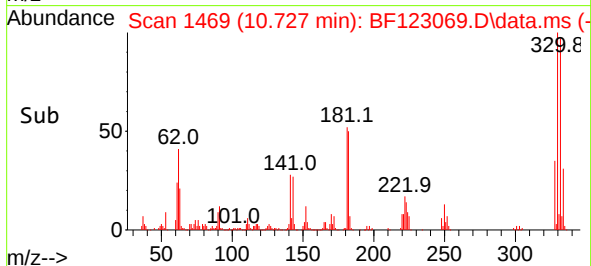
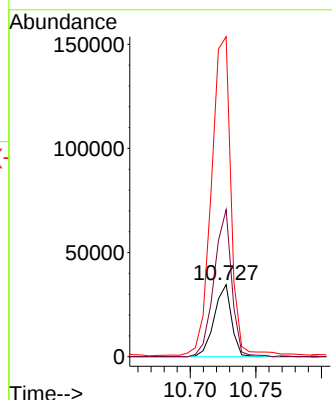
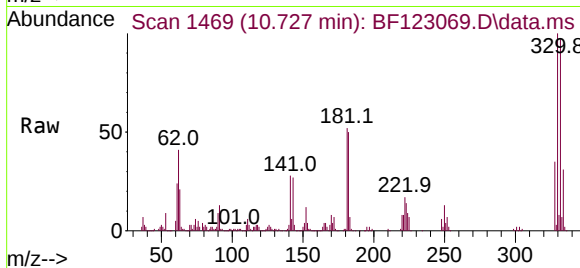




#67
4-Bromophenyl-phenylether
Concen: 2.54 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

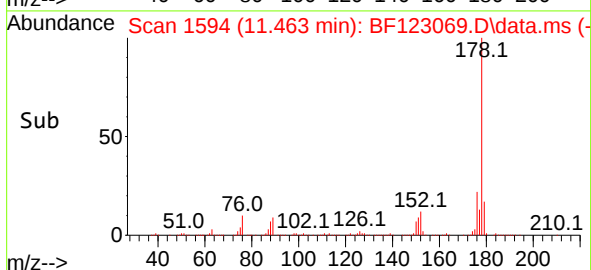
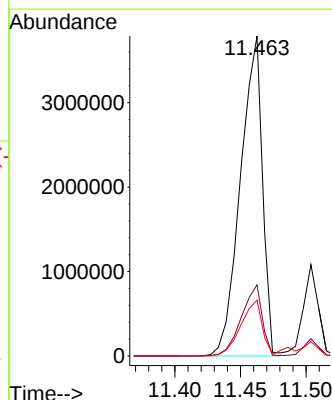
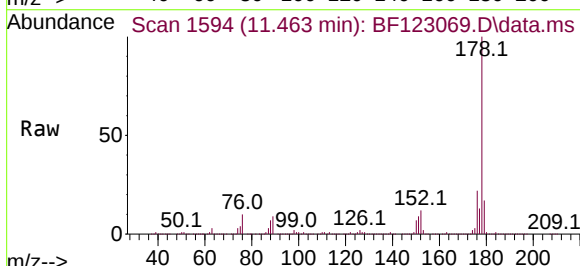
Instrument :
BNA_F
ClientSampleId :
CRT-17

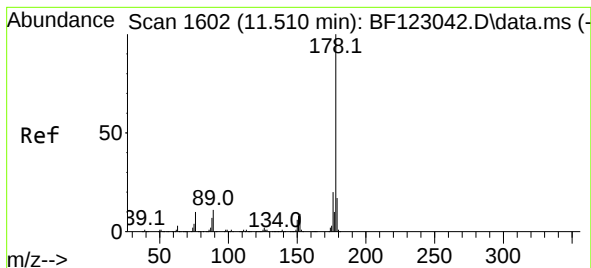
Tgt Ion:248 Resp: 31745
Ion Ratio Lower Upper
248 100
250 204.0 76.8 115.2#
141 444.2 59.8 89.8#



#71
Phenanthrene
Concen: 72.62 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.006 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

Tgt Ion:178 Resp: 4423295
Ion Ratio Lower Upper
178 100
176 22.3 16.2 24.2
179 17.4 12.7 19.1

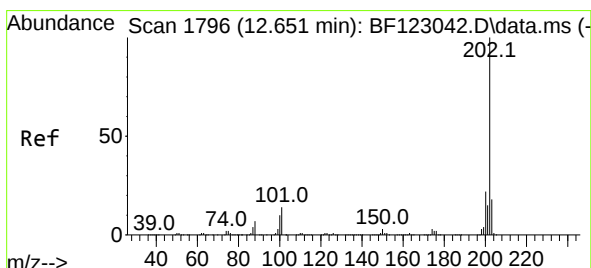
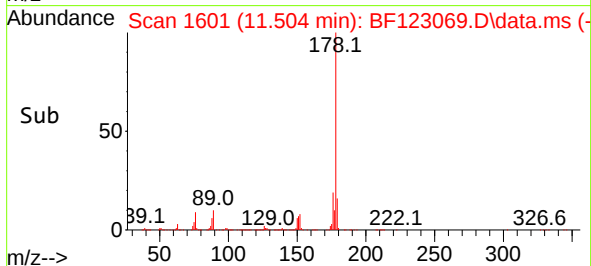
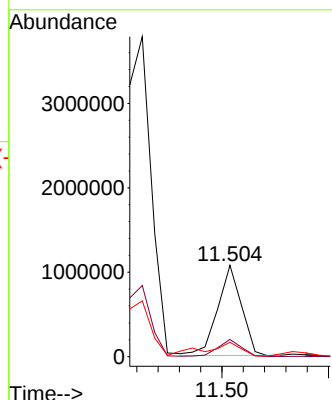
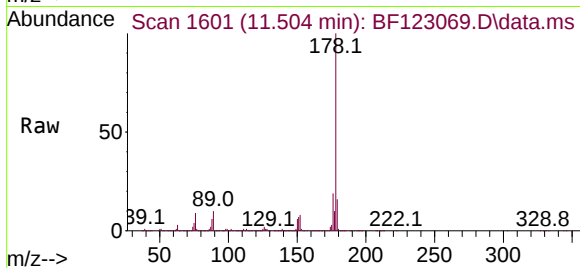




#72
 Anthracene
 Concen: 14.17 ng
 RT: 11.504 min Scan# 1601
 Delta R.T. -0.006 min
 Lab File: BF123069.D
 Acq: 28 Jan 2021 20:15

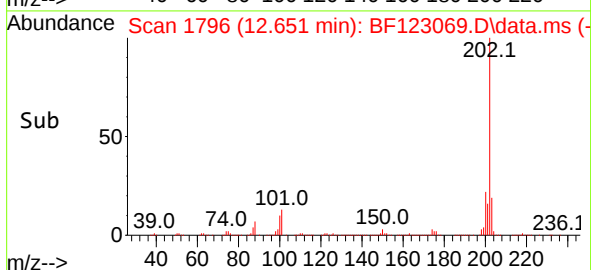
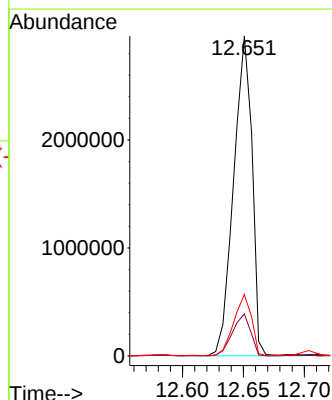
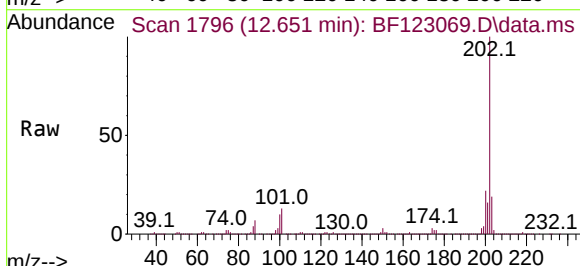
Instrument :
 BNA_F
 ClientSampleId :
 CRT-17

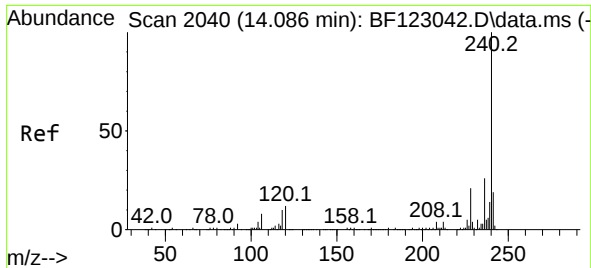
Tgt Ion:178 Resp: 828185
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.6 23.4
 179 15.7 12.8 19.2



#75
 Fluoranthene
 Concen: 50.90 ng
 RT: 12.651 min Scan# 1796
 Delta R.T. -0.000 min
 Lab File: BF123069.D
 Acq: 28 Jan 2021 20:15

Tgt Ion:202 Resp: 3098327
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 32.2
 203 19.2 0.0 38.1

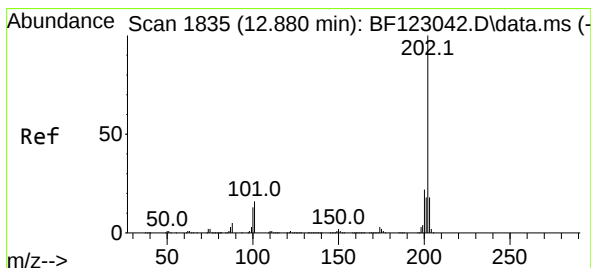
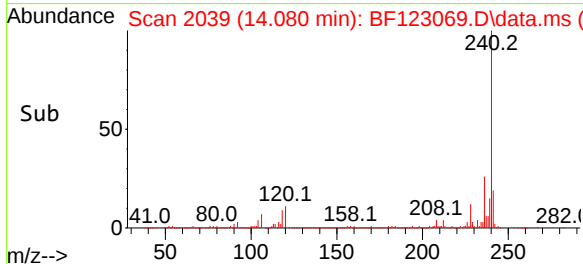
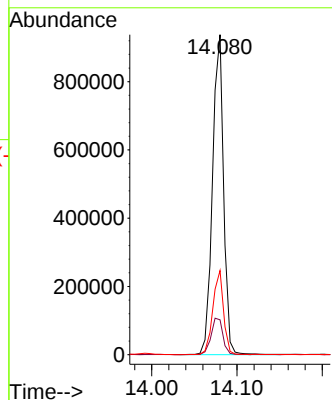
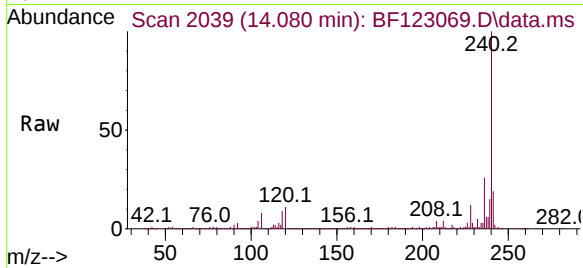




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

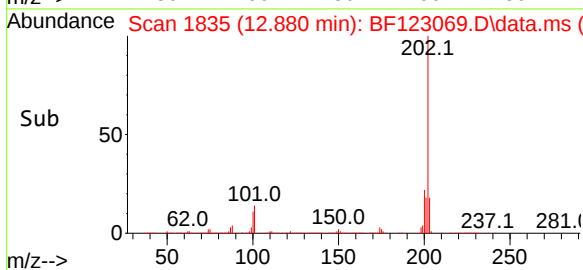
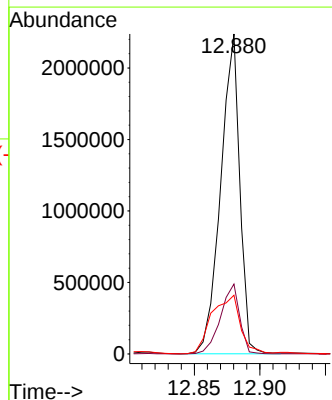
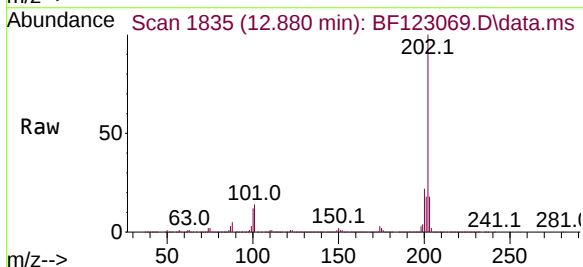
Instrument :
BNA_F
ClientSampleId :
CRT-17

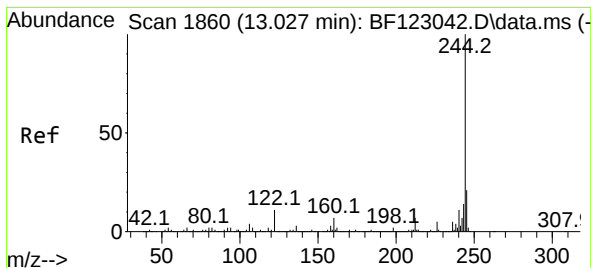
Tgt Ion:240 Resp: 850236
Ion Ratio Lower Upper
240 100
120 10.9 8.6 12.8
236 26.3 20.3 30.5



#78
Pyrene
Concen: 35.18 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.000 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

Tgt Ion:202 Resp: 2258256
Ion Ratio Lower Upper
202 100
200 21.9 17.6 26.4
203 18.3 14.6 21.8





#79

Terphenyl-d14

Concen: 49.52 ng

RT: 13.021 min Scan# 1859

Delta R.T. -0.006 min

Lab File: BF123069.D

Acq: 28 Jan 2021 20:15

Instrument :

BNA_F

ClientSampleId :

CRT-17

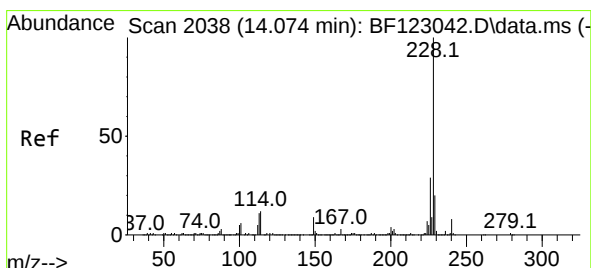
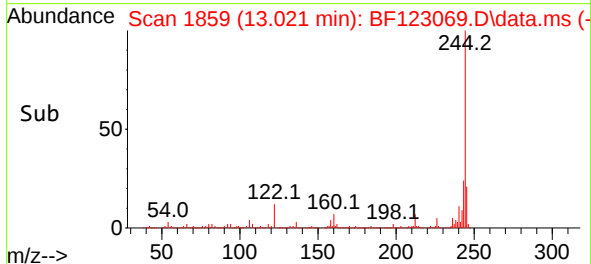
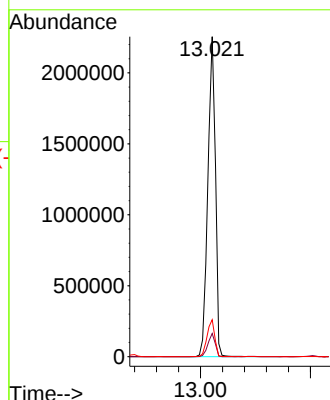
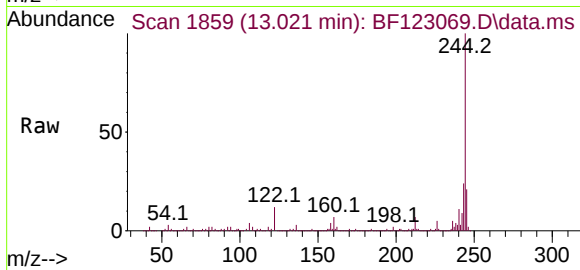
Tgt Ion:244 Resp: 2142896

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

122 11.6 8.3 12.5



#81

Benzo(a)anthracene

Concen: 12.45 ng

RT: 14.068 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF123069.D

Acq: 28 Jan 2021 20:15

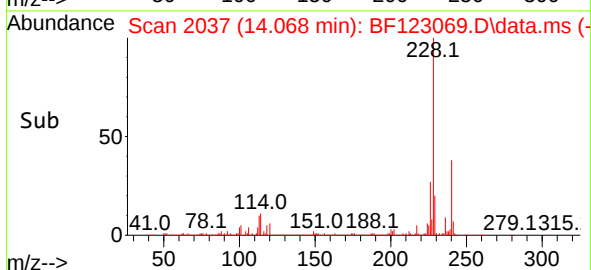
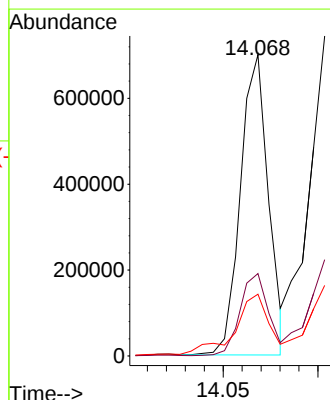
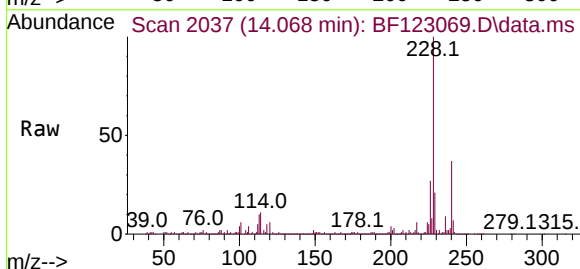
Tgt Ion:228 Resp: 716492

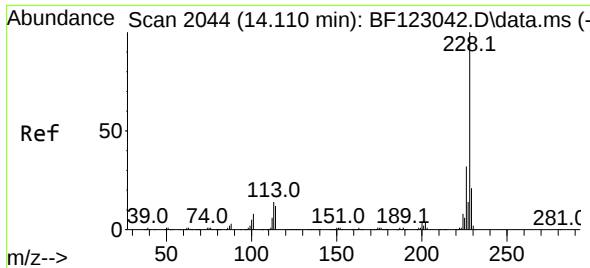
Ion Ratio Lower Upper

228 100

226 27.4 23.0 34.4

229 20.5 16.6 24.8

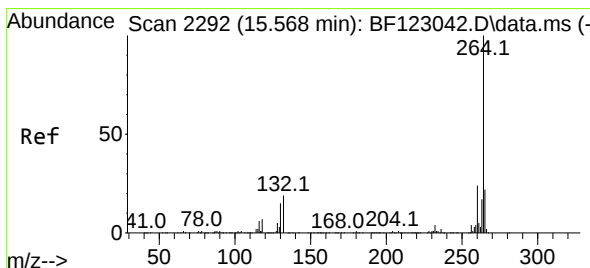
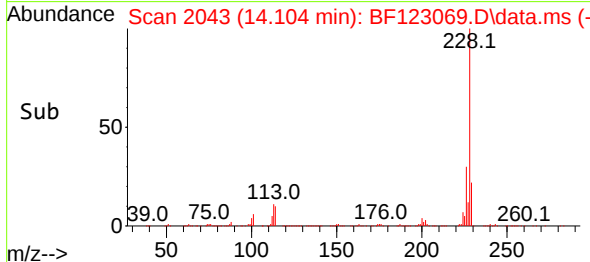
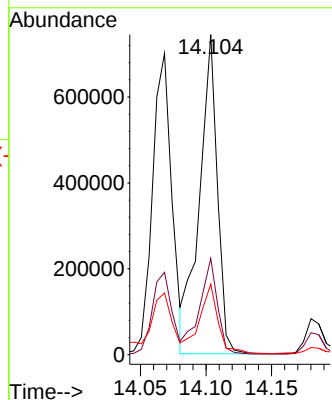
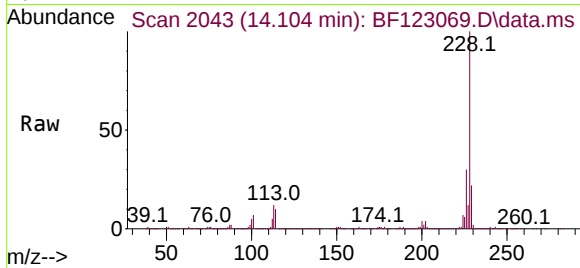




#83
Chrysene
Concen: 12.37 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

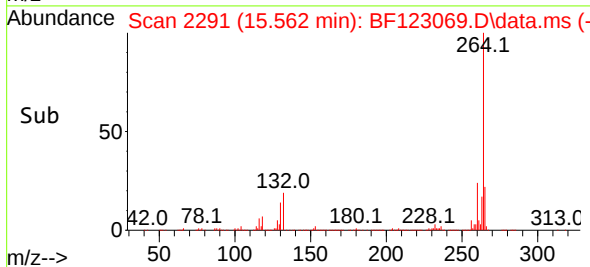
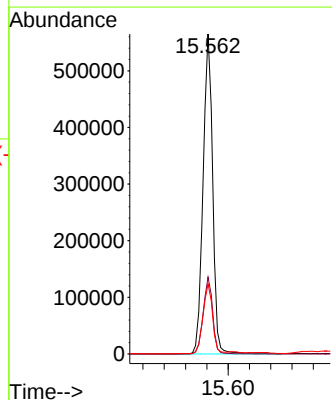
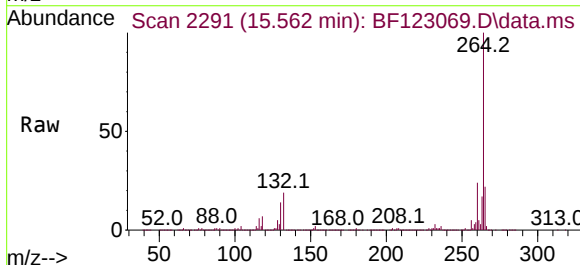
Instrument :
BNA_F
ClientSampleId :
CRT-17

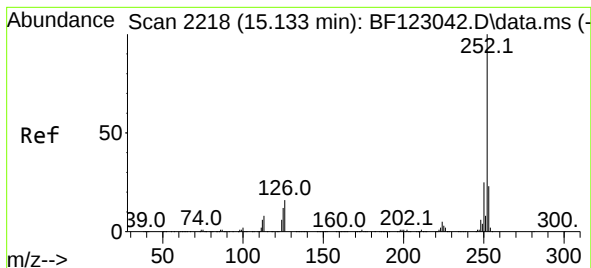
Tgt Ion:	228	Resp:	712194
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.6	36.8
229	22.1	15.8	23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.562 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

Tgt Ion:	264	Resp:	706025
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.6	28.0
265	21.9	17.0	25.6





#88

Benzo(b)fluoranthene

Concen: 11.13 ng

RT: 15.127 min Scan# 2217

Delta R.T. -0.006 min

Lab File: BF123069.D

Acq: 28 Jan 2021 20:15

Tgt Ion:252 Resp: 567412

Ion Ratio Lower Upper

252 100

253 21.7 18.3 27.5

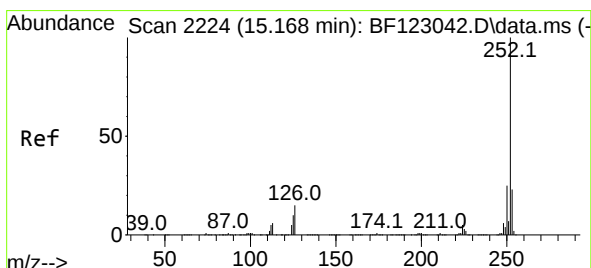
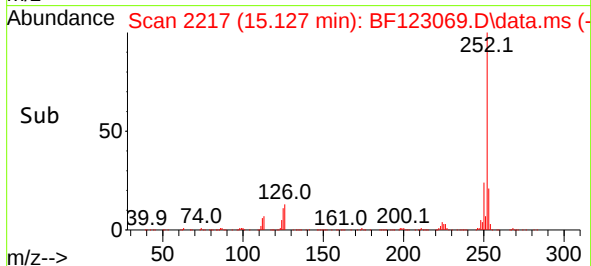
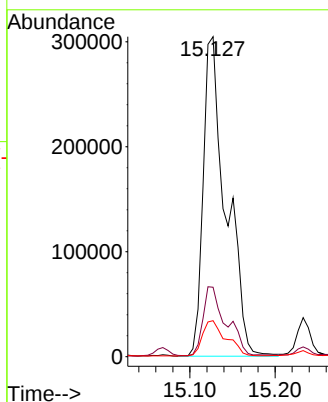
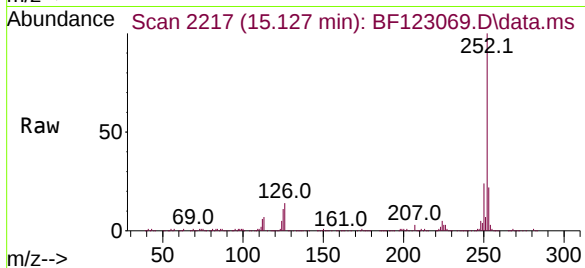
125 11.3 8.1 12.1

Instrument :

BNA_F

ClientSampleId :

CRT-17



#89

Benzo(k)fluoranthene

Concen: 11.98 ng

RT: 15.127 min Scan# 2217

Delta R.T. -0.041 min

Lab File: BF123069.D

Acq: 28 Jan 2021 20:15

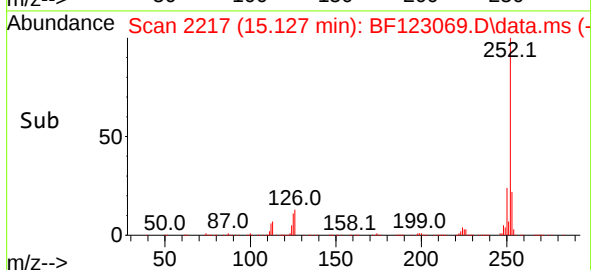
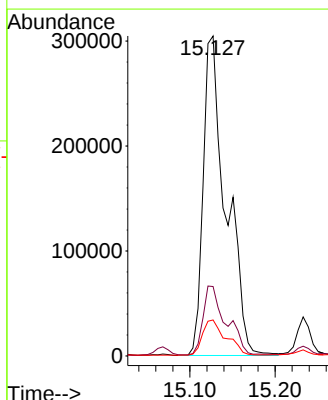
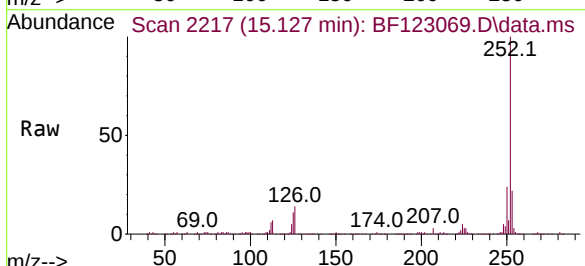
Tgt Ion:252 Resp: 567412

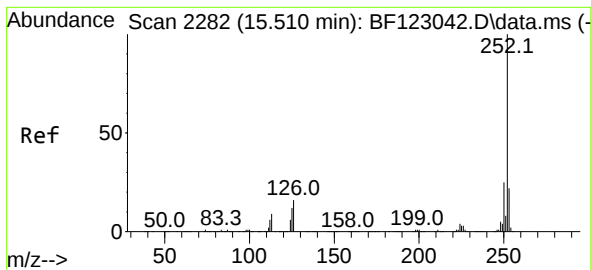
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 11.3 8.4 12.6





#90
Benzo(a)pyrene
Concen: 4.02 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.018 min
Lab File: BF123069.D
Acq: 28 Jan 2021 20:15

Instrument :
BNA_F
ClientSampleId :
CRT-17

Tgt Ion:252 Resp: 179917
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 12.7 8.6 12.8

