

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020921\
 Data File : BF123161.D
 Acq On : 9 Feb 2021 12:23
 Operator : JU/CG
 Sample : M1332-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-020521

Quant Time: Feb 09 13:10:12 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:29:00 2021
 Response via : Initial Calibration

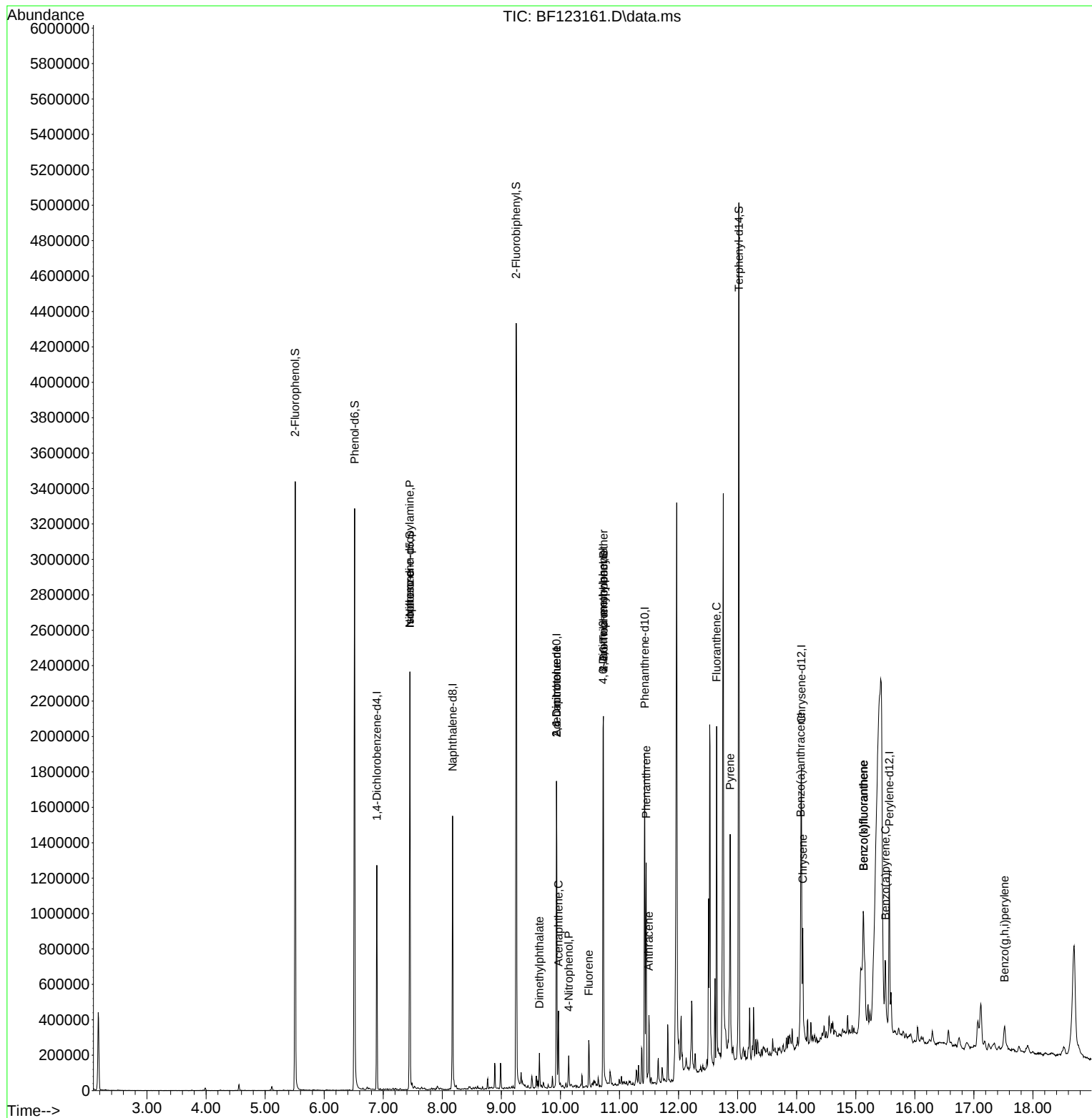
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	168562	20.00	ng	0.00
21) Naphthalene-d8	8.175	136	640890	20.00	ng	0.00
39) Acenaphthene-d10	9.933	164	358991	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	647165	20.00	ng	0.00
76) Chrysene-d12	14.080	240	451490	20.00	ng	0.00
86) Perylene-d12	15.568	264	417709	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	951414	87.07	ng	0.00
7) Phenol-d6	6.516	99	1191774	80.46	ng	0.00
23) Nitrobenzene-d5	7.451	82	764538	60.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	282578	72.51	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1437386	59.52	ng	-0.01
79) Terphenyl-d14	13.021	244	1524962	66.36	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	104969	11.78	ng	# 79
25) Isophorone	7.451	82	764531	32.78	ng	# 65
50) Dimethylphthalate	9.645	163	72319	2.57	ng	99
51) 2,6-Dinitrotoluene	9.933	165	47075	7.85	ng	# 32
52) Acenaphthene	9.969	154	92199	3.98	ng	99
56) 4-Nitrophenol	10.139	139	22421	4.37	ng	# 16
57) 2,4-Dinitrotoluene	9.933	165	47238	6.05	ng	# 26
58) Fluorene	10.480	166	77262	2.87	ng	98
65) 4,6-Dinitro-2-methylph...	10.722	198	567	5.12	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	19107	2.32	ng	# 1
71) Phenanthrene	11.451	178	418832	10.42	ng	98
72) Anthracene	11.498	178	141086	3.66	ng	97
75) Fluoranthene	12.645	202	676796	16.85	ng	98
78) Pyrene	12.874	202	507329	14.88	ng	99
81) Benzo(a)anthracene	14.068	228	221456	7.25	ng	97
83) Chrysene	14.104	228	205450	6.72	ng	98
88) Benzo(b)fluoranthene	15.133	252	326545	10.83	ng	98
89) Benzo(k)fluoranthene	15.133	252	326545	11.66	ng	98
90) Benzo(a)pyrene	15.504	252	172007	6.50	ng	99
92) Benzo(g,h,i)perylene	17.521	276	103762	4.68	ng	99

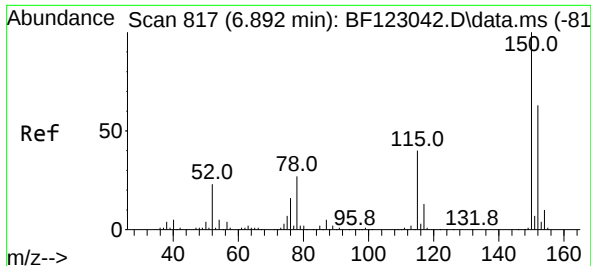
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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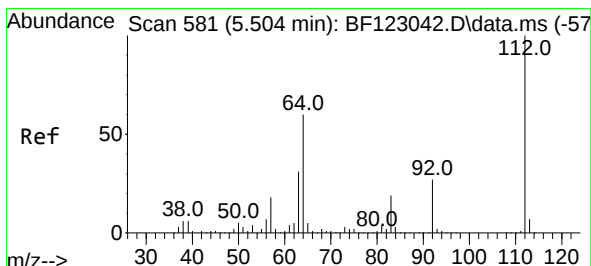
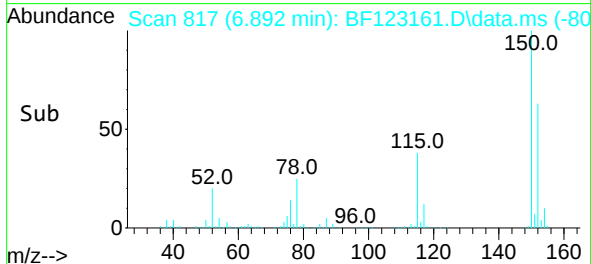
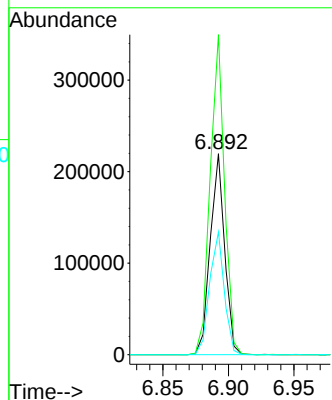
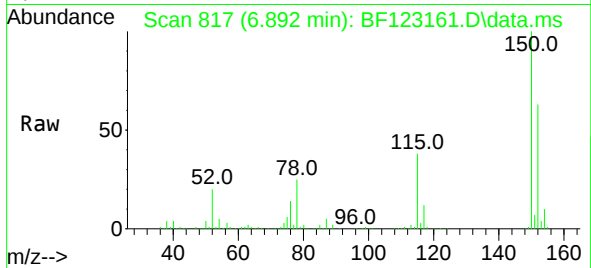




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. 0.000 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

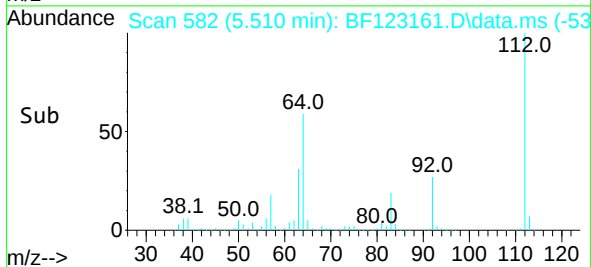
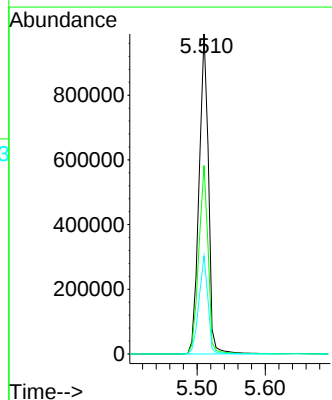
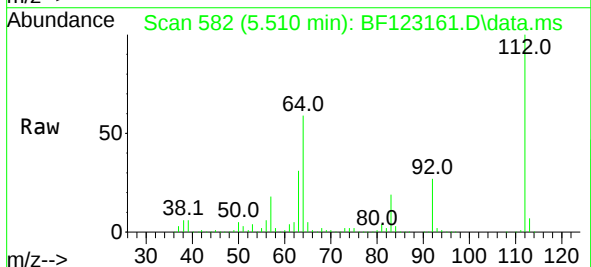
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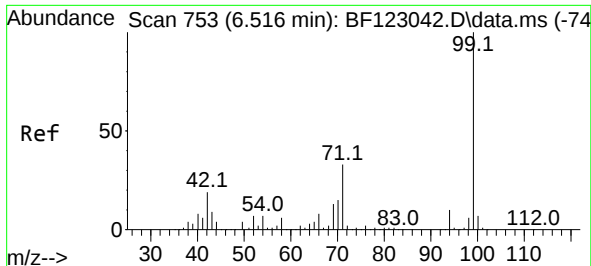
Tgt Ion:152 Resp: 168562
Ion Ratio Lower Upper
152 100
150 159.2 125.8 188.6
115 61.0 49.3 73.9



#5
2-Fluorophenol
Concen: 87.07 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

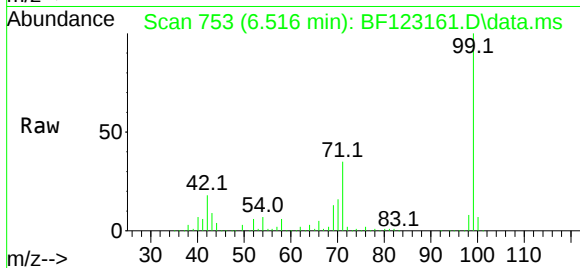
Tgt Ion:112 Resp: 951414
Ion Ratio Lower Upper
112 100
64 58.9 46.9 70.3
63 30.6 24.5 36.7





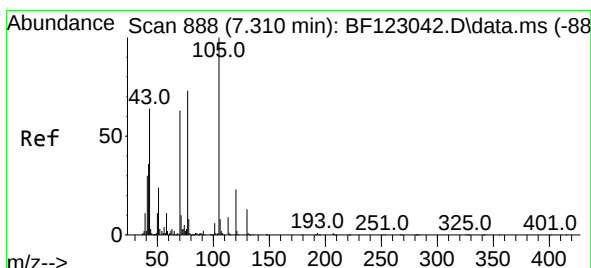
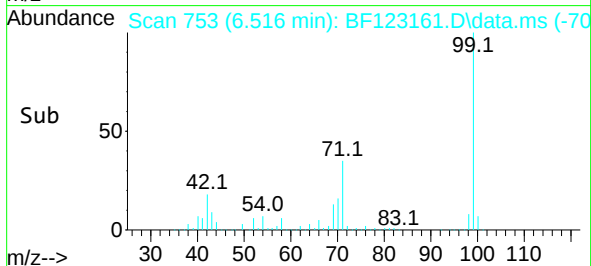
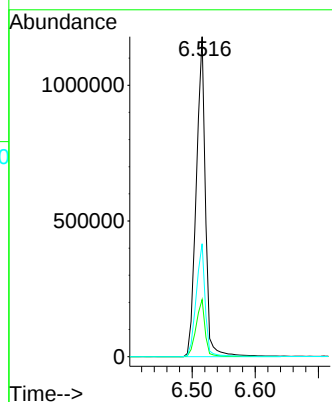
#7
Phenol-d6
Concen: 80.46 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

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ClientSampleId :
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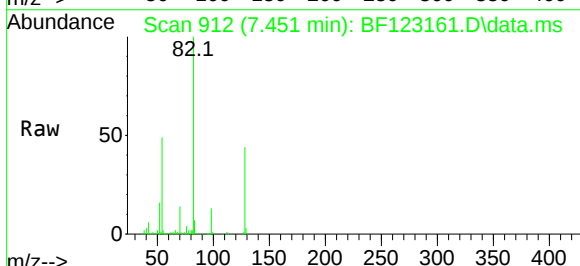


Tgt Ion: 99 Resp: 1191774

Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.8	20.6
71	35.3	26.9	40.3

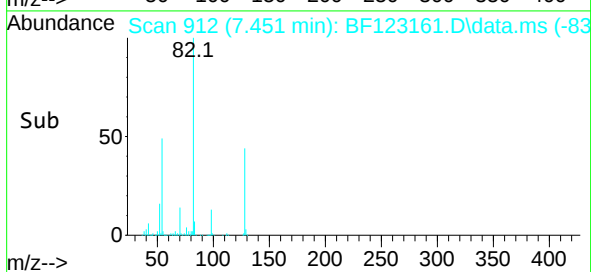
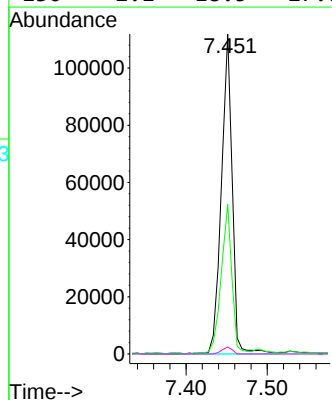


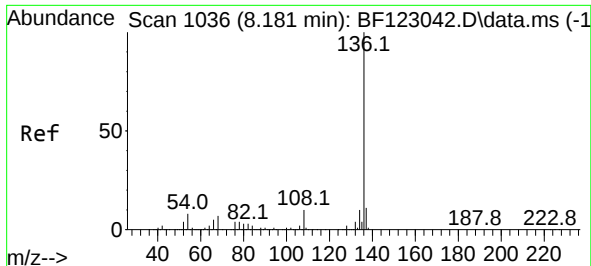
#19
n-Nitroso-di-n-propylamine
Concen: 11.78 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23



Tgt Ion: 70 Resp: 104969

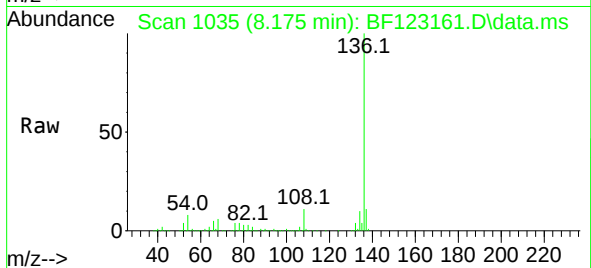
Ion	Ratio	Lower	Upper
70	100		
42	46.7	43.0	64.4
101	0.0	7.9	11.9#
130	2.1	18.5	27.7#





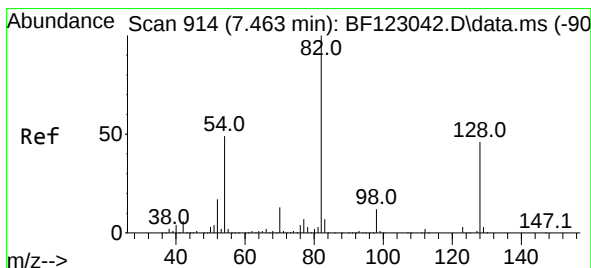
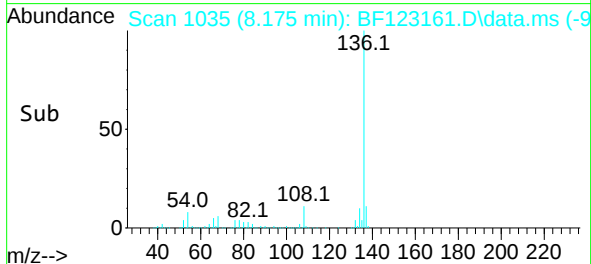
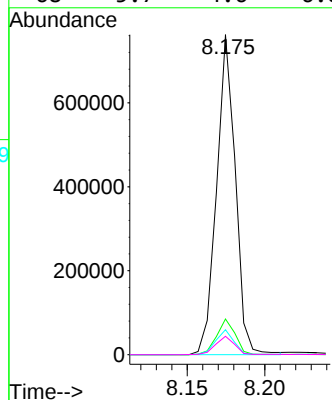
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

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Tgt Ion:136 Resp: 640890

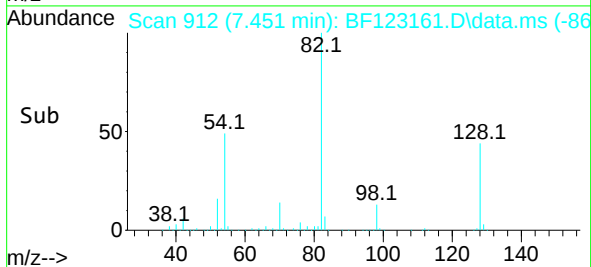
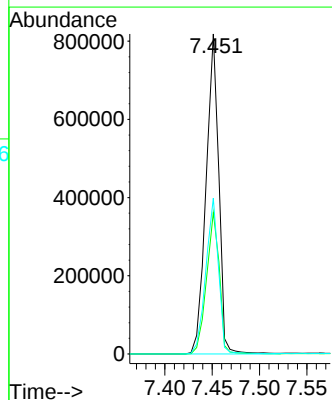
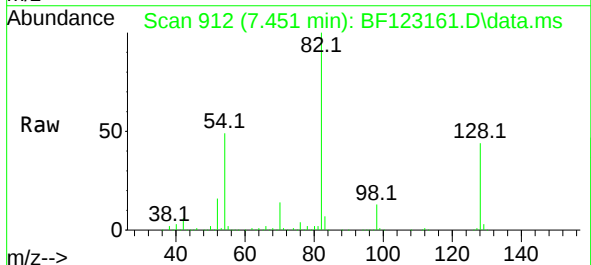
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.8	5.5	8.3
68	5.7	4.6	6.8

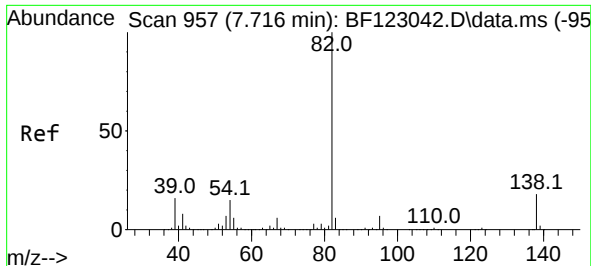


#23
Nitrobenzene-d5
Concen: 60.04 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

Tgt Ion: 82 Resp: 764538

Ion	Ratio	Lower	Upper
82	100		
128	44.2	37.0	55.4
54	48.7	38.4	57.6

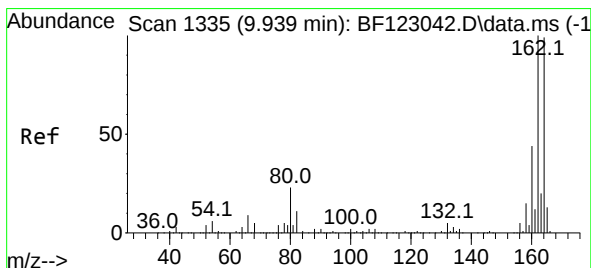
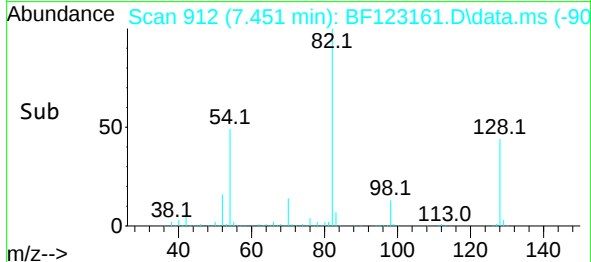
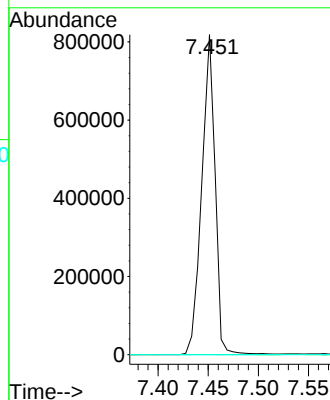
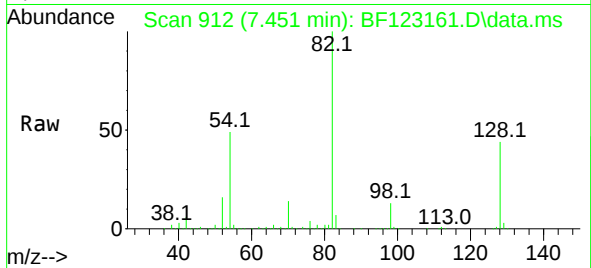




#25
Isophorone
Concen: 32.78 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.265 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

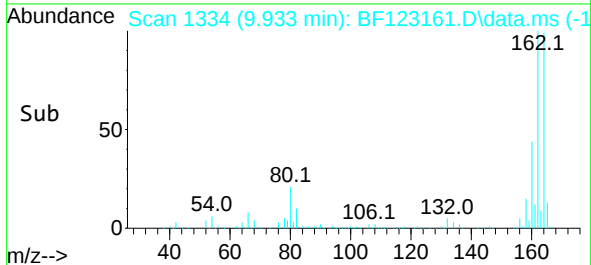
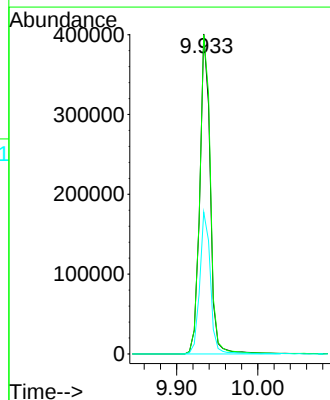
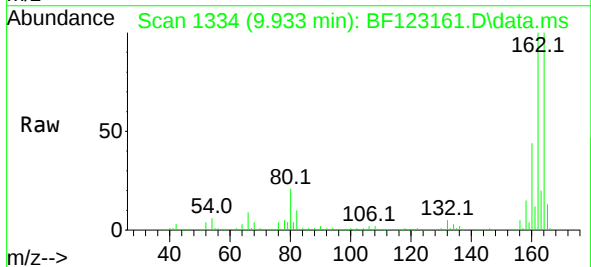
Instrument :
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ClientSampleId :
TR-05-020521

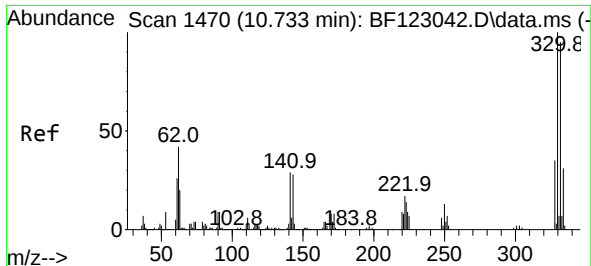
Tgt Ion: 82 Resp: 764531
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

Tgt Ion: 164 Resp: 358991
Ion Ratio Lower Upper
164 100
162 99.8 80.8 121.2
160 44.3 35.4 53.0

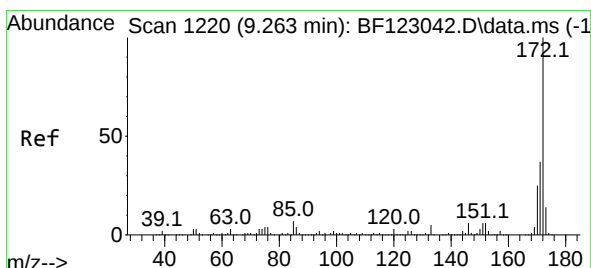
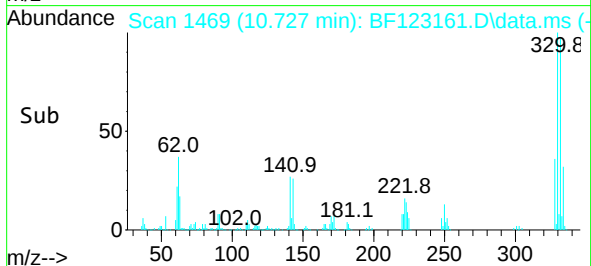
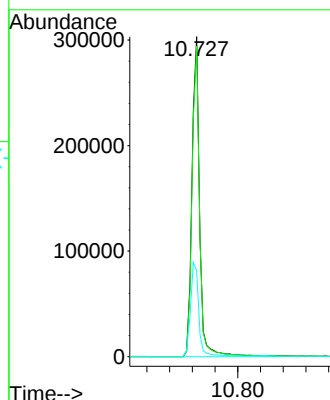
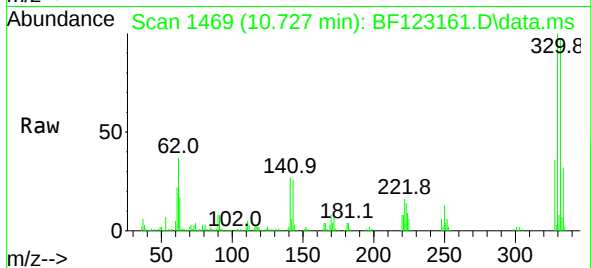




#42
2,4,6-Tribromophenol
Concen: 72.51 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

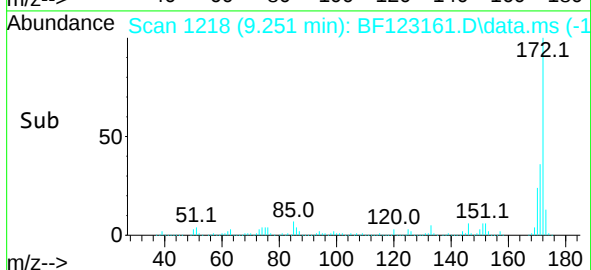
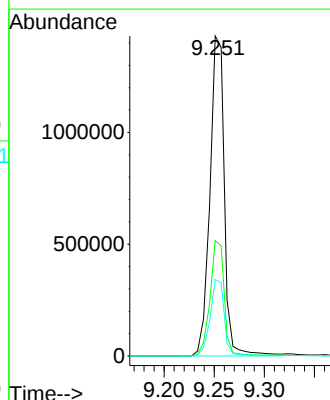
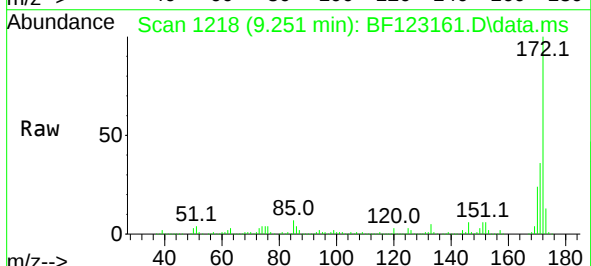
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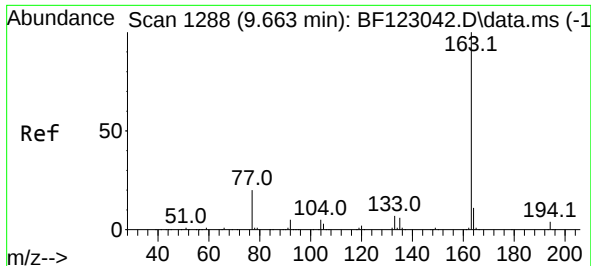
Tgt Ion: 330 Resp: 282578
Ion Ratio Lower Upper
330 100
332 97.2 77.5 116.3
141 32.0 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 59.52 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

Tgt Ion: 172 Resp: 1437386
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 23.9 19.5 29.3

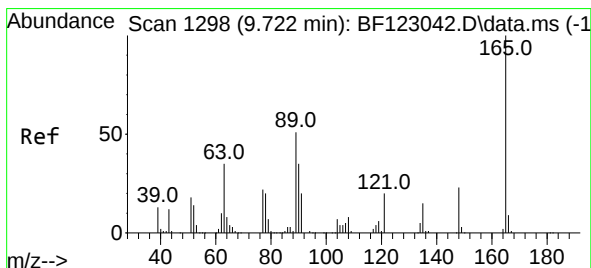
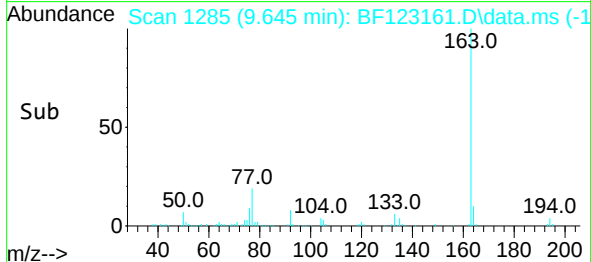
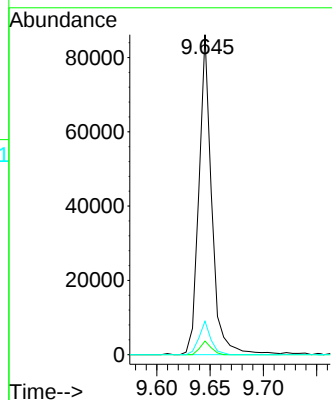
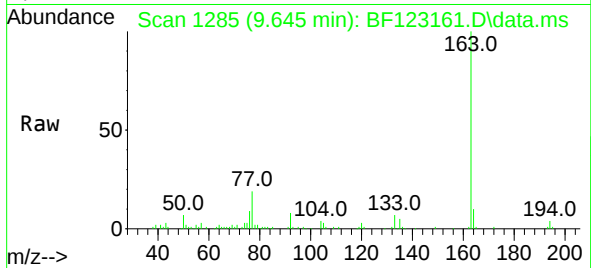




#50
Dimethylphthalate
Concen: 2.57 ng
RT: 9.645 min Scan# 1285
Delta R.T. -0.018 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

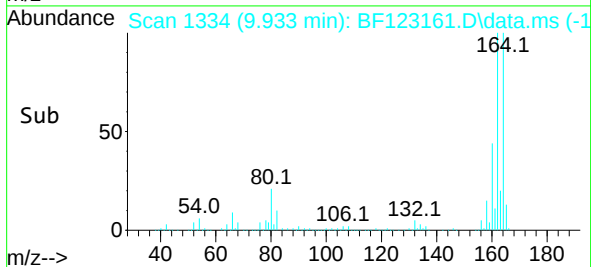
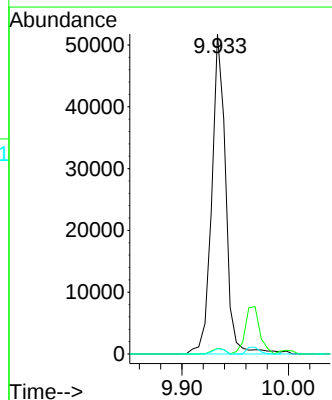
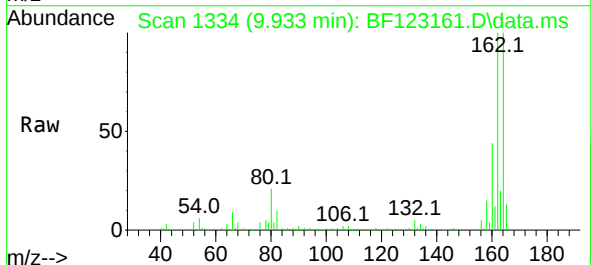
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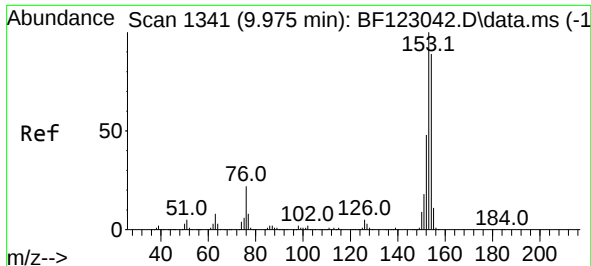
Tgt Ion:163 Resp: 72319
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.0
164 10.5 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 7.85 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.212 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

Tgt Ion:165 Resp: 47075
Ion Ratio Lower Upper
165 100
63 1.8 36.6 55.0#
89 1.6 39.4 59.0#

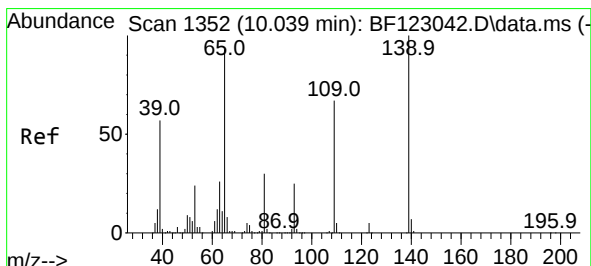
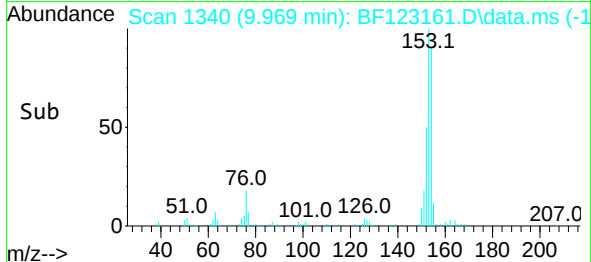
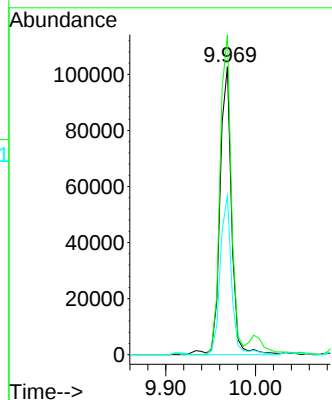
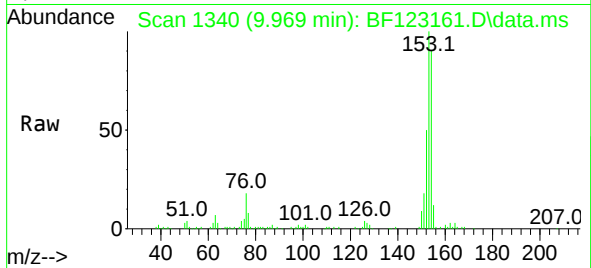




#52
Acenaphthene
Concen: 3.98 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

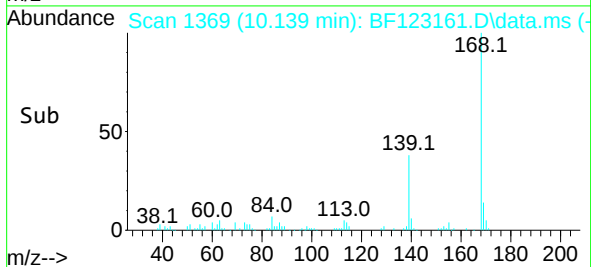
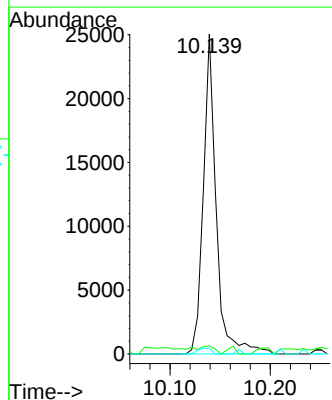
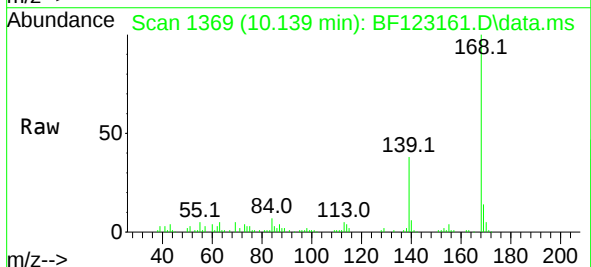
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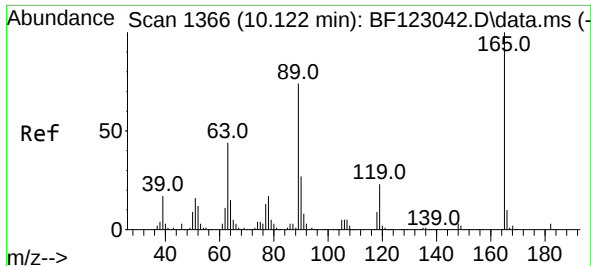
Tgt Ion:154 Resp: 92199
Ion Ratio Lower Upper
154 100
153 111.1 89.0 133.6
152 55.1 42.7 64.1



#56
4-Nitrophenol
Concen: 4.37 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.100 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

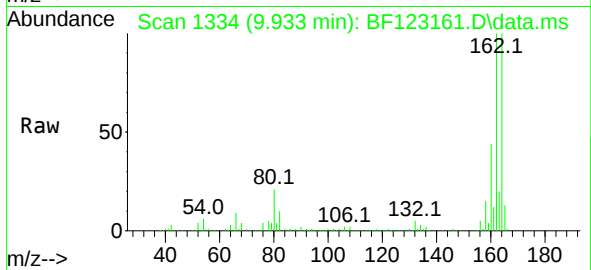
Tgt Ion:139 Resp: 22421
Ion Ratio Lower Upper
139 100
109 2.5 45.1 85.1#
65 1.8 59.2 99.2#



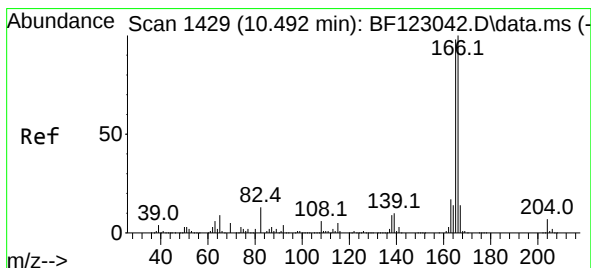
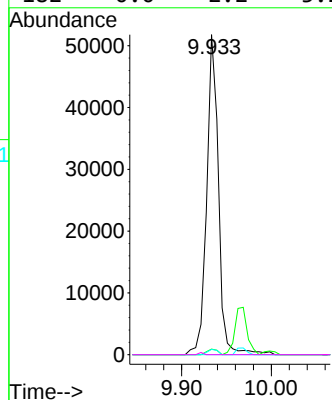
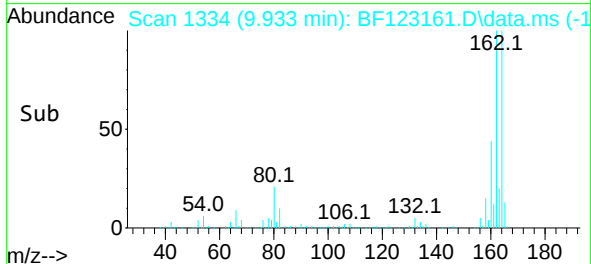


#57
2,4-Dinitrotoluene
Concen: 6.05 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.188 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

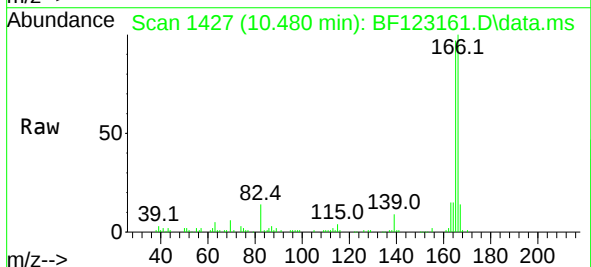
Instrument :
BNA_F
ClientSampleId :
TR-05-020521



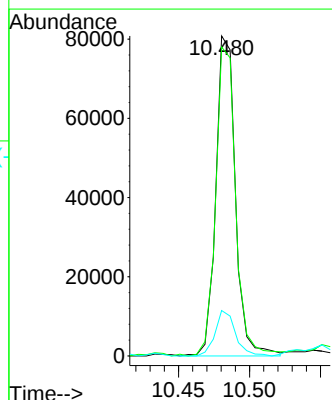
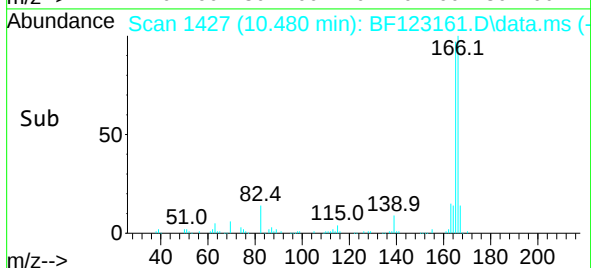
Tgt Ion:165 Resp: 47238
Ion Ratio Lower Upper
165 100
63 1.8 34.3 51.5#
89 1.6 55.2 82.8#
182 0.0 2.2 3.2#

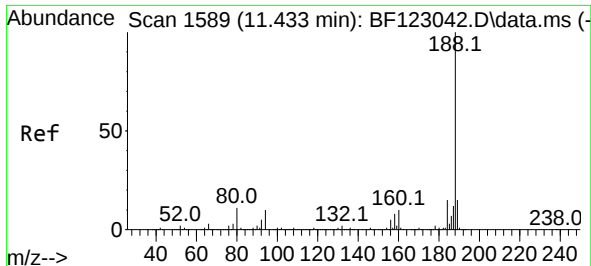


#58
Fluorene
Concen: 2.87 ng
RT: 10.480 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23



Tgt Ion:166 Resp: 77262
Ion Ratio Lower Upper
166 100
165 96.6 79.4 119.0
167 14.2 10.9 16.3

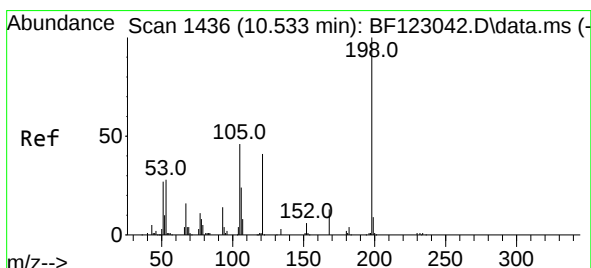
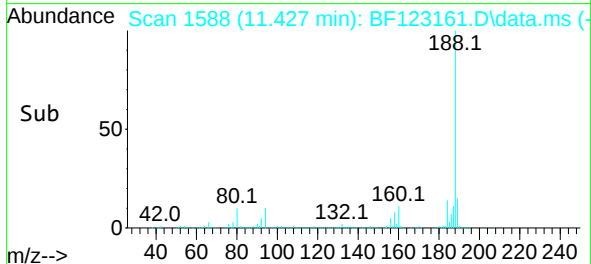
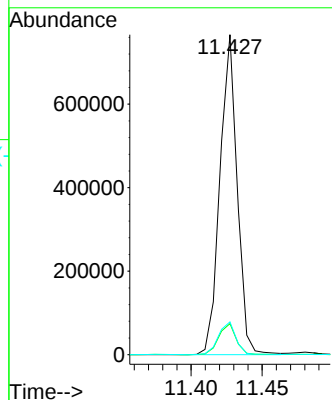
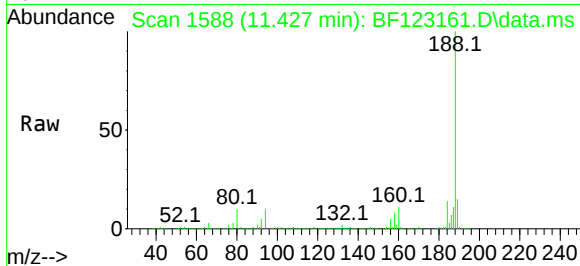




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

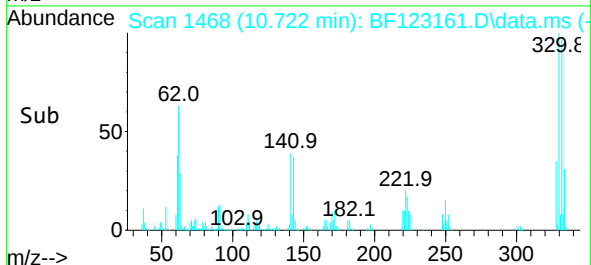
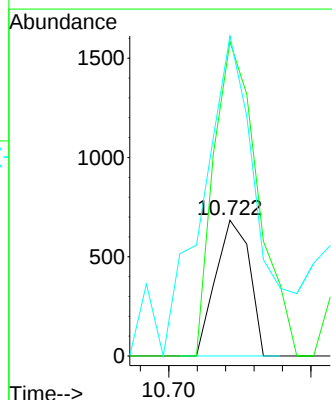
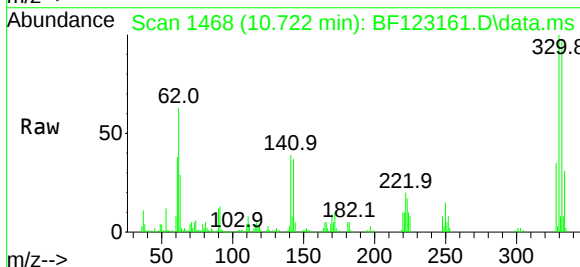
Instrument :
BNA_F
ClientSampleId :
TR-05-020521

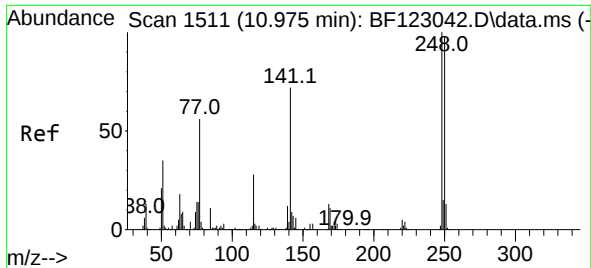
Tgt Ion:188 Resp: 647165
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 10.3 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.12 ng
RT: 10.722 min Scan# 1468
Delta R.T. 0.189 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

Tgt Ion:198 Resp: 567
Ion Ratio Lower Upper
198 100
51 231.4 20.3 60.3#
105 235.7 23.0 63.0#

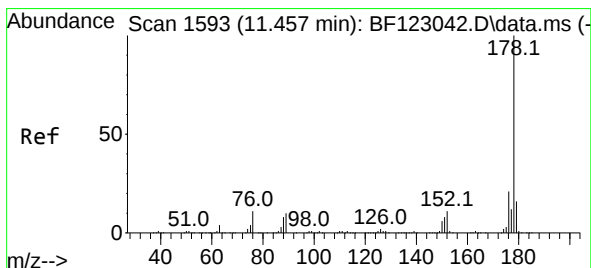
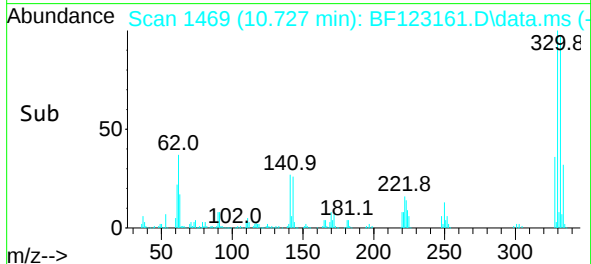
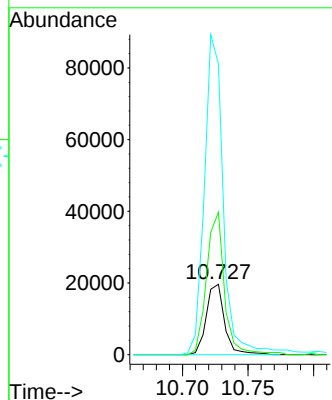
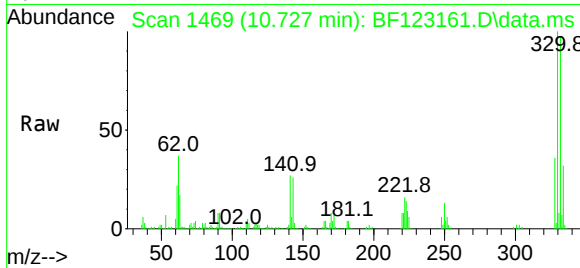




#67
4-Bromophenyl-phenylether
Concen: 2.32 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

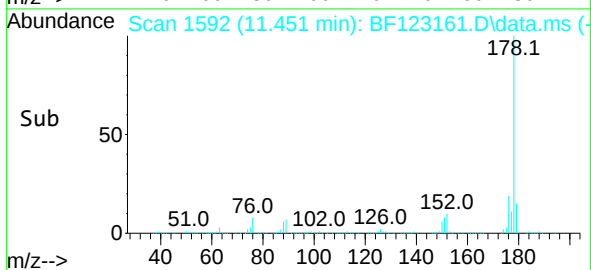
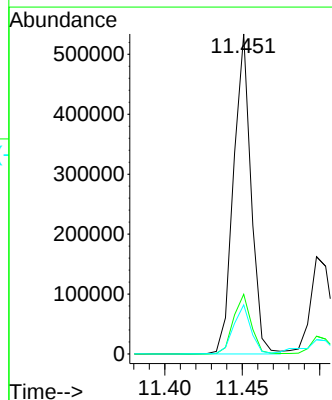
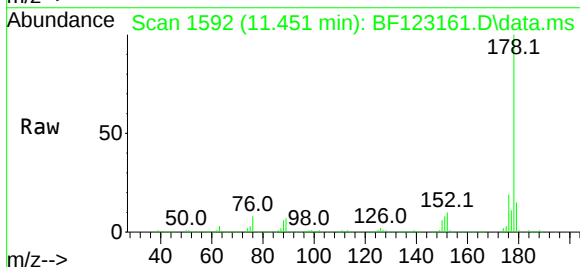
Instrument :
BNA_F
ClientSampleId :
TR-05-020521

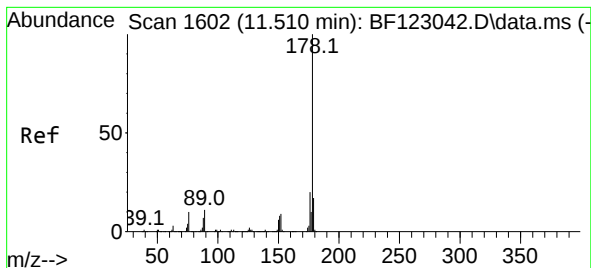
Tgt Ion:248 Resp: 19107
Ion Ratio Lower Upper
248 100
250 202.4 76.8 115.2#
141 412.6 59.8 89.8#



#71
Phenanthrene
Concen: 10.42 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

Tgt Ion:178 Resp: 418832
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.2
179 15.4 12.7 19.1





#72

Anthracene

Concen: 3.66 ng

RT: 11.498 min Scan# 1600

Delta R.T. -0.012 min

Lab File: BF123161.D

Acq: 9 Feb 2021 12:23

Tgt Ion:178 Resp: 141086

Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

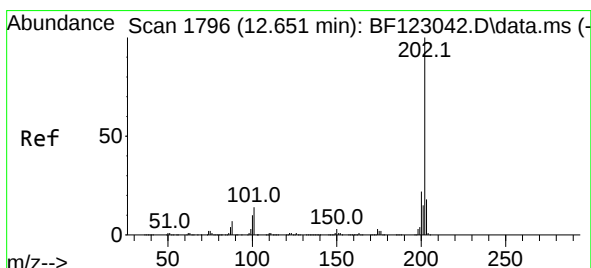
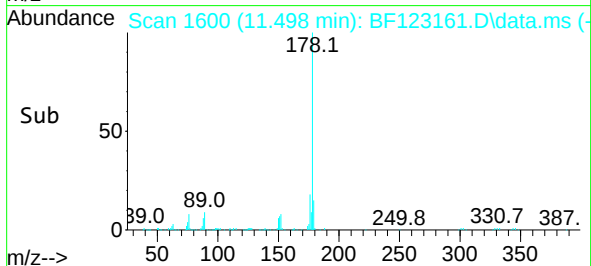
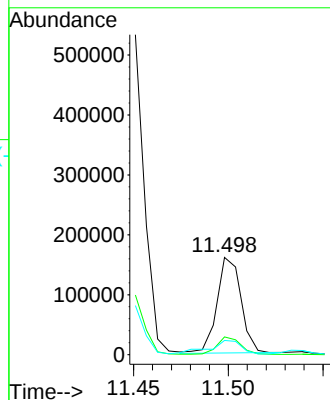
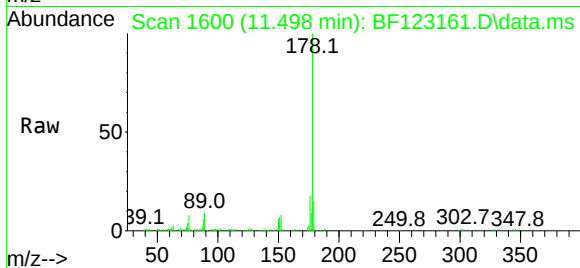
179 14.7 12.8 19.2

Instrument :

BNA_F

ClientSampleId :

TR-05-020521



#75

Fluoranthene

Concen: 16.85 ng

RT: 12.645 min Scan# 1795

Delta R.T. -0.006 min

Lab File: BF123161.D

Acq: 9 Feb 2021 12:23

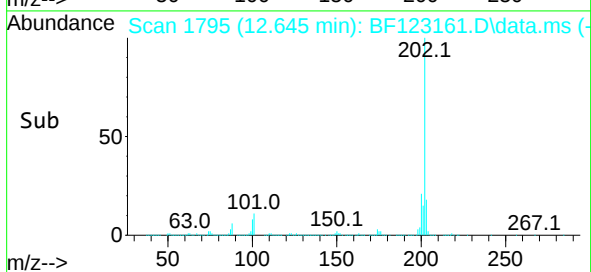
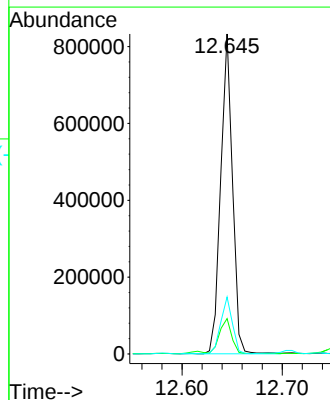
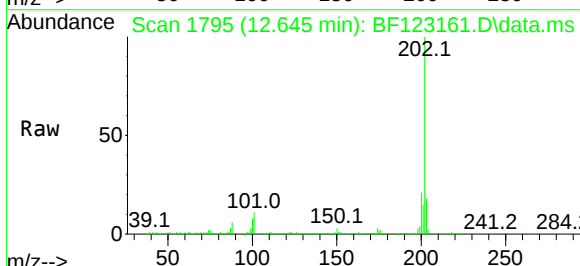
Tgt Ion:202 Resp: 676796

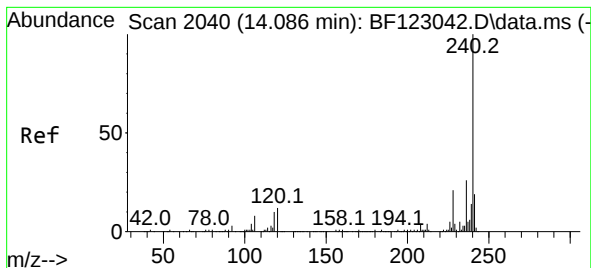
Ion Ratio Lower Upper

202 100

101 11.0 0.0 32.2

203 17.8 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: BF123161.D

Acq: 9 Feb 2021 12:23

Tgt Ion:240 Resp: 451490

Ion Ratio Lower Upper

240 100

120 10.0 8.6 12.8

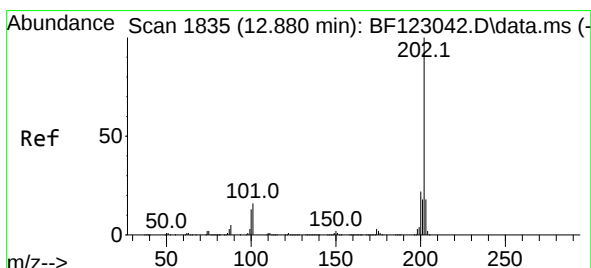
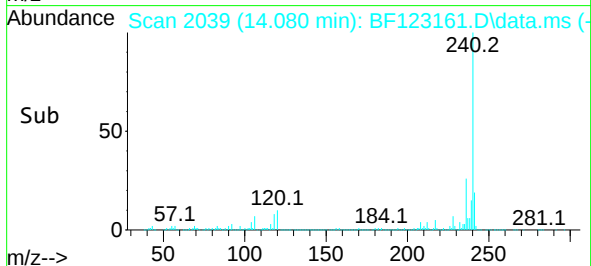
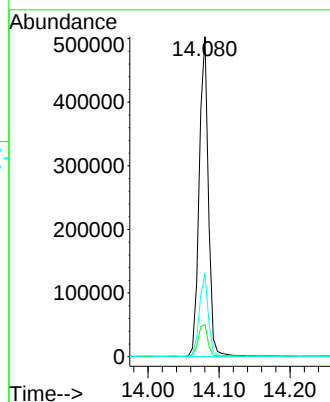
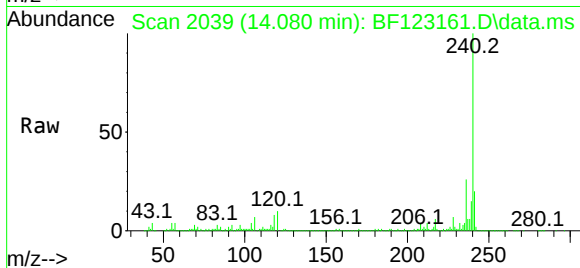
236 25.8 20.3 30.5

Instrument :

BNA_F

ClientSampleId :

TR-05-020521



#78

Pyrene

Concen: 14.88 ng

RT: 12.874 min Scan# 1834

Delta R.T. -0.006 min

Lab File: BF123161.D

Acq: 9 Feb 2021 12:23

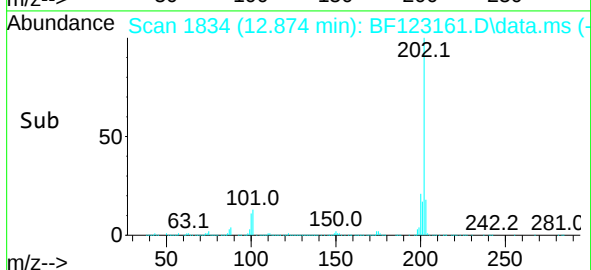
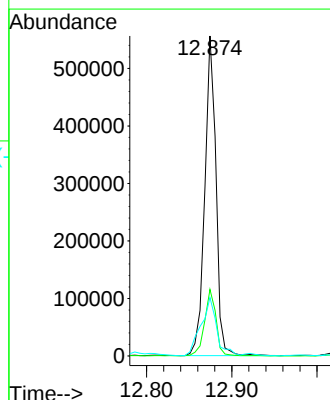
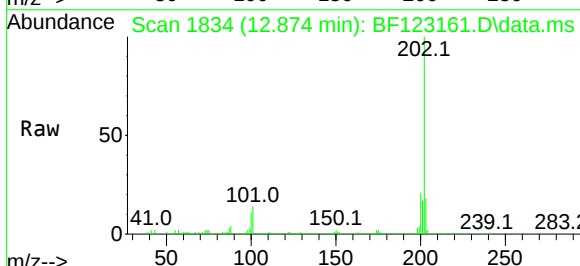
Tgt Ion:202 Resp: 507329

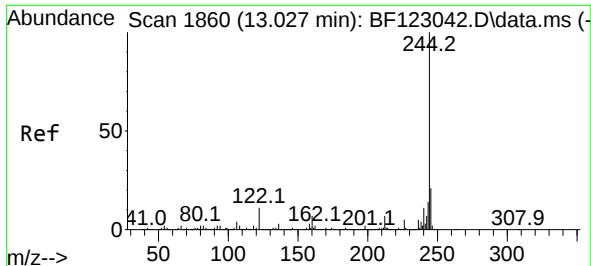
Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

203 18.2 14.6 21.8

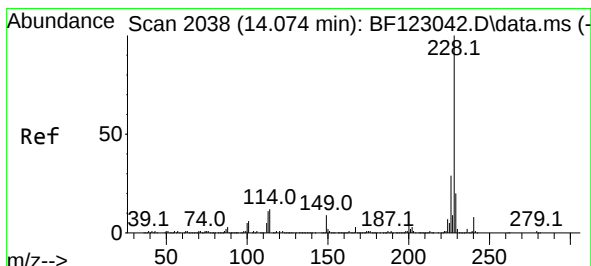
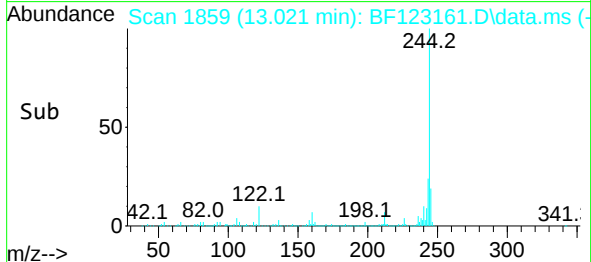
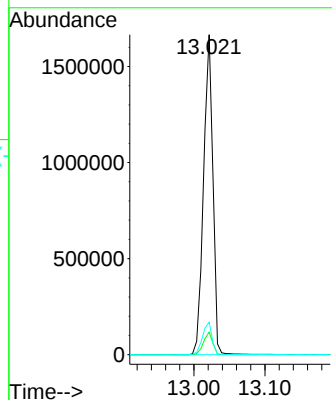
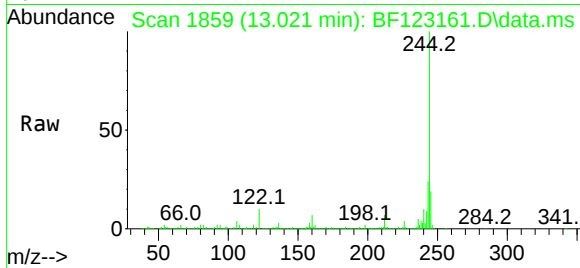




#79
Terphenyl-d14
Concen: 66.36 ng
RT: 13.021 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

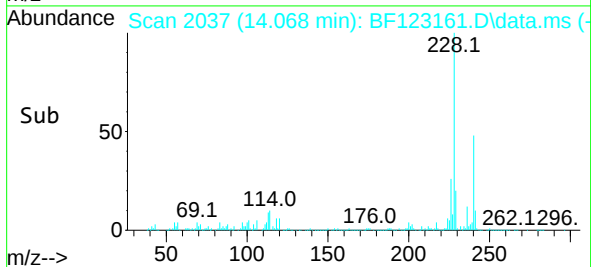
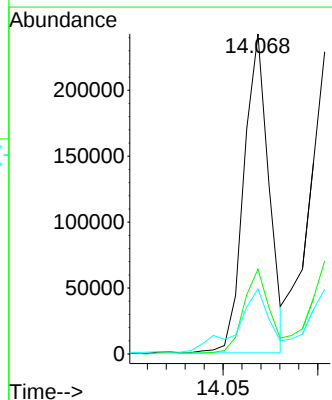
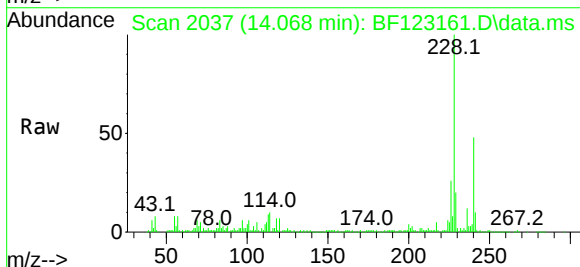
Instrument :
BNA_F
ClientSampleId :
TR-05-020521

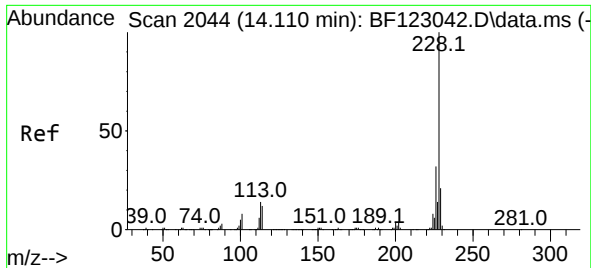
Tgt Ion:244 Resp: 1524962
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.2 8.3 12.5



#81
Benzo(a)anthracene
Concen: 7.25 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

Tgt Ion:228 Resp: 221456
Ion Ratio Lower Upper
228 100
226 26.5 23.0 34.4
229 20.4 16.6 24.8

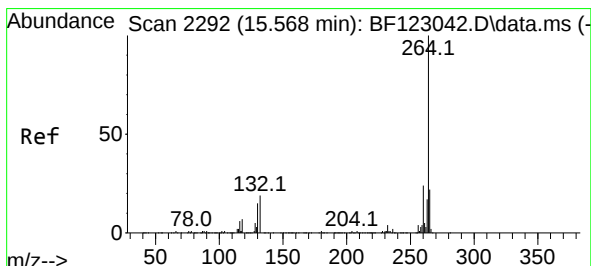
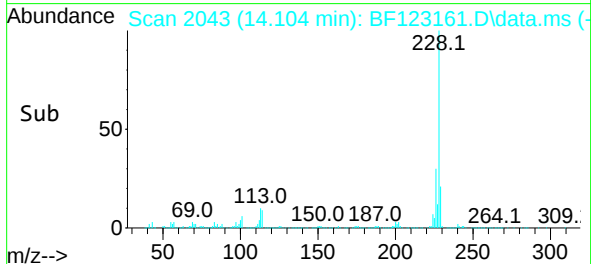
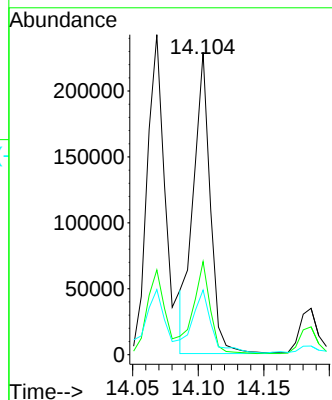
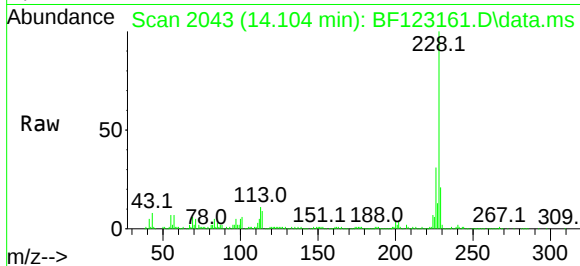




#83
Chrysene
Concen: 6.72 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

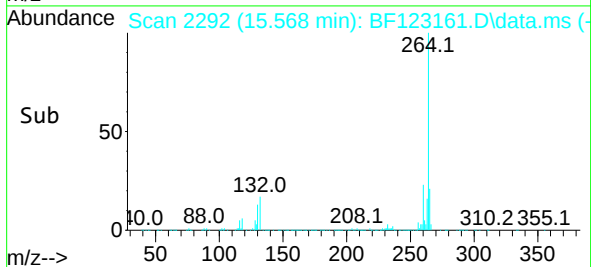
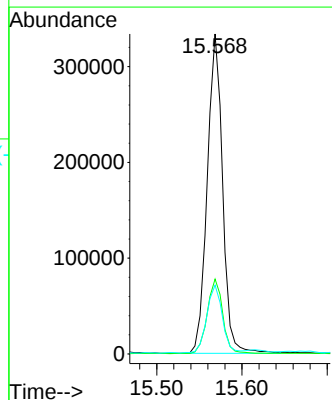
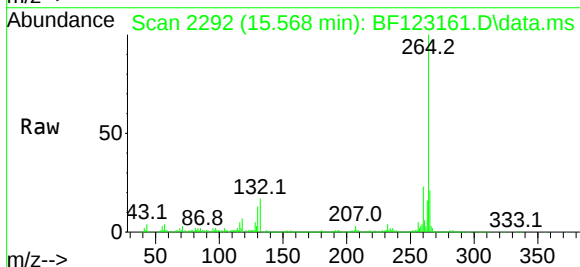
Instrument :
BNA_F
ClientSampleId :
TR-05-020521

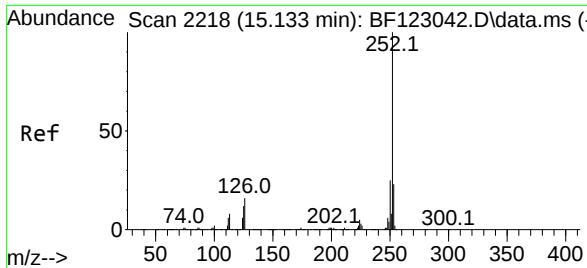
Tgt Ion:228 Resp: 205450
Ion Ratio Lower Upper
228 100
226 30.8 24.6 36.8
229 21.4 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

Tgt Ion:264 Resp: 417709
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 21.5 17.0 25.6

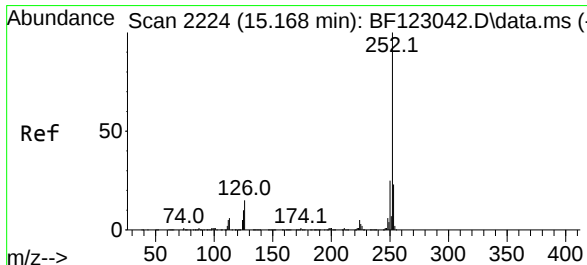
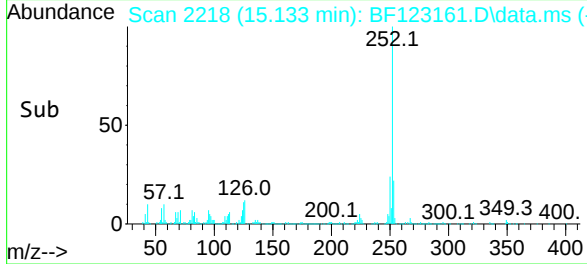
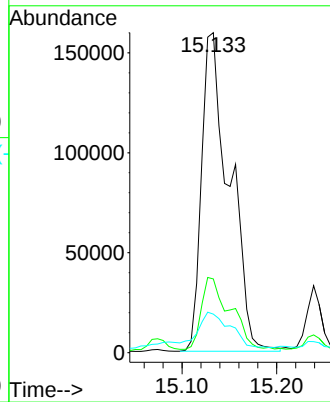
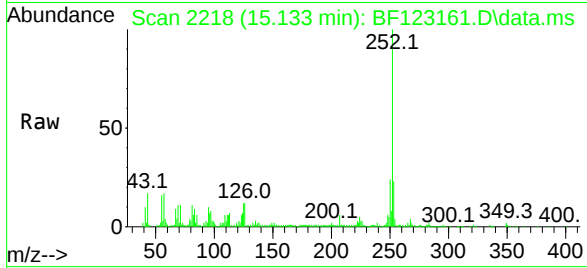




#88
Benzo(b)fluoranthene
Concen: 10.83 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.000 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

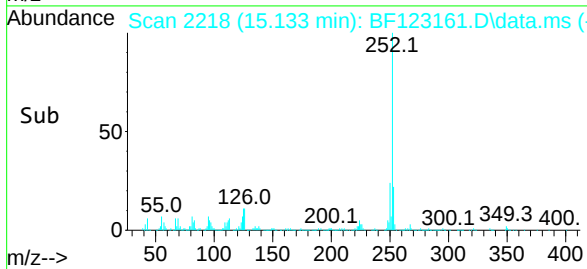
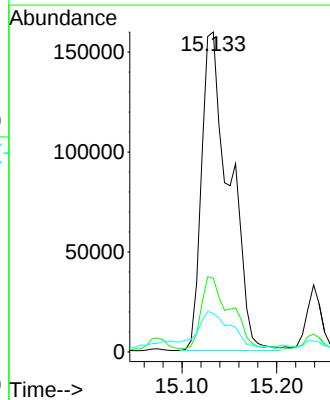
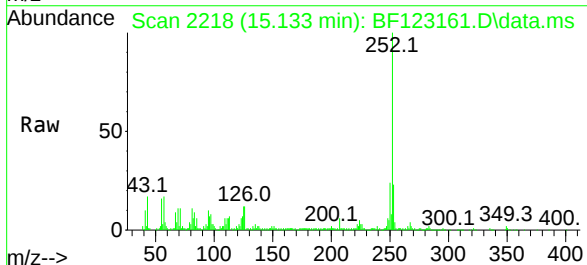
Instrument :
BNA_F
ClientSampleId :
TR-05-020521

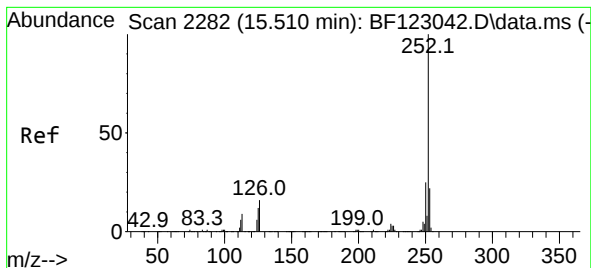
Tgt Ion:252 Resp: 326545
Ion Ratio Lower Upper
252 100
253 23.1 18.3 27.5
125 12.1 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 11.66 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.035 min
Lab File: BF123161.D
Acq: 9 Feb 2021 12:23

Tgt Ion:252 Resp: 326545
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 12.1 8.4 12.6





#90

Benzo(a)pyrene

Concen: 6.50 ng

RT: 15.504 min Scan# 2281

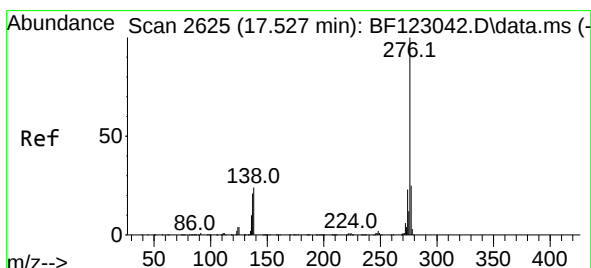
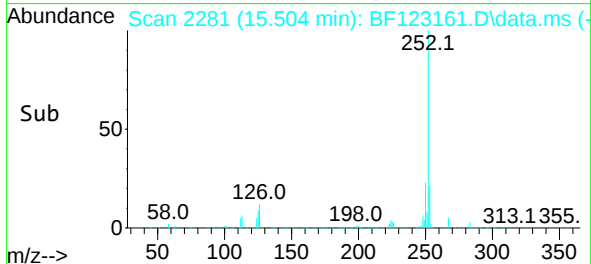
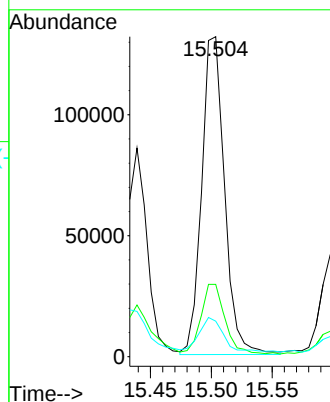
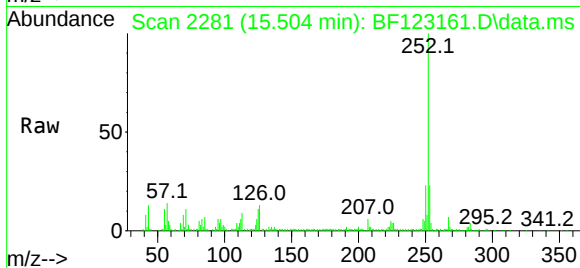
Delta R.T. -0.006 min

Lab File: BF123161.D

Acq: 9 Feb 2021 12:23

Tgt Ion:252 Resp: 172007

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	11.1	8.6	12.8



#92

Benzo(g,h,i)perylene

Concen: 4.68 ng

RT: 17.521 min Scan# 2624

Delta R.T. -0.006 min

Lab File: BF123161.D

Acq: 9 Feb 2021 12:23

Tgt Ion:276 Resp: 103762

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.3	28.9
138	20.1	16.6	24.8

