

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
 Data File : BF123623.D
 Acq On : 19 Apr 2021 15:30
 Operator : JU/CG
 Sample : M2051-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0124027

Quant Time: Apr 19 16:27:50 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 10:31:33 2021
 Response via : Initial Calibration

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

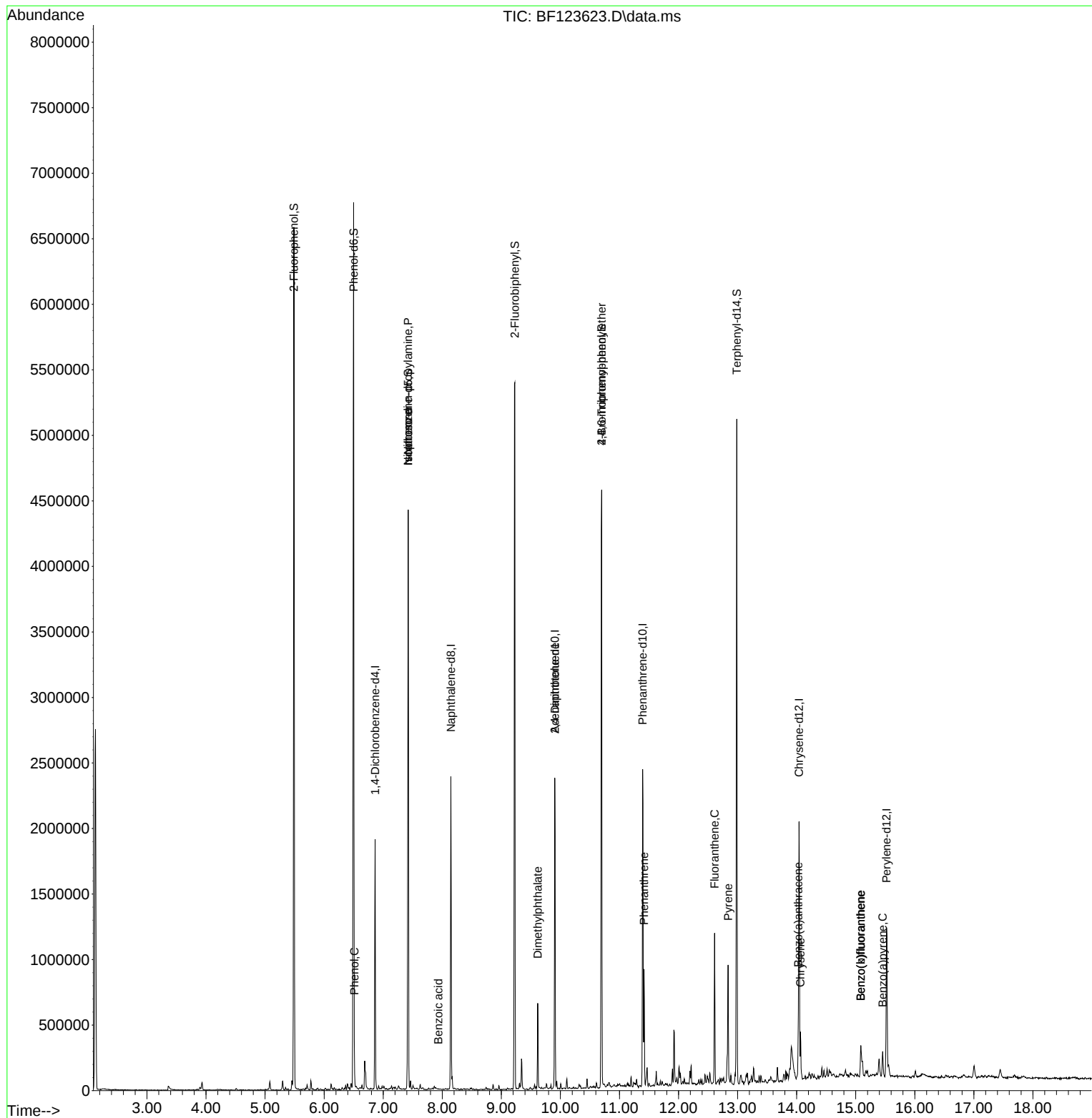
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	228364	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	886515	20.00	ng	-0.01
39) Acenaphthene-d10	9.904	164	440200	20.00	ng	-0.01
64) Phenanthrene-d10	11.392	188	850056	20.00	ng	-0.01
76) Chrysene-d12	14.039	240	612525	20.00	ng	-0.02
86) Perylene-d12	15.521	264	520786	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1414169	100.09	ng	0.00
7) Phenol-d6	6.498	99	1823232	93.12	ng	0.00
23) Nitrobenzene-d5	7.422	82	1311294	68.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	529384	106.20	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1647745	55.80	ng	-0.01
79) Terphenyl-d14	12.986	244	1476156	46.84	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.510	94	51006	2.45	ng	96
19) n-Nitroso-di-n-propyla...	7.422	70	176068	13.58	ng	# 73
25) Isophorone	7.422	82	1308800	34.98	ng	# 69
32) Benzoic acid	7.934	122	401	4.59	ng	# 25
50) Dimethylphthalate	9.616	163	202606	6.66	ng	100
57) 2,4-Dinitrotoluene	9.904	165	58076	6.51	ng	# 17
67) 4-Bromophenyl-phenylether	10.698	248	28978	3.26	ng	# 1
71) Phenanthrene	11.416	178	288806	6.51	ng	99
75) Fluoranthene	12.610	202	395049	8.10	ng	98
78) Pyrene	12.839	202	342466	7.66	ng	98
81) Benzo(a)anthracene	14.027	228	130035	3.46	ng	98
83) Chrysene	14.063	228	130917	3.47	ng	98
88) Benzo(b)fluoranthene	15.086	252	166798	4.54	ng	# 96
89) Benzo(k)fluoranthene	15.086	252	166798	3.60	ng	# 96
90) Benzo(a)pyrene	15.457	252	92482	3.16	ng	94

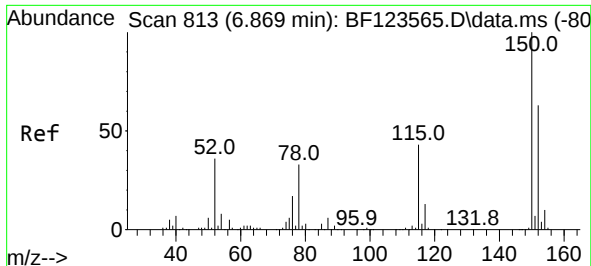
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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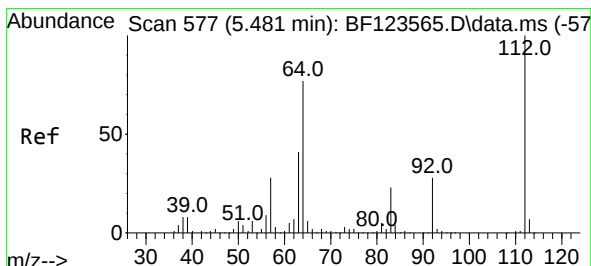
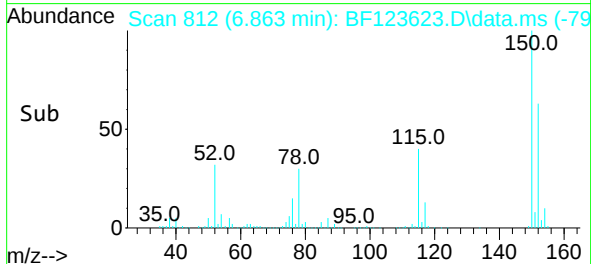
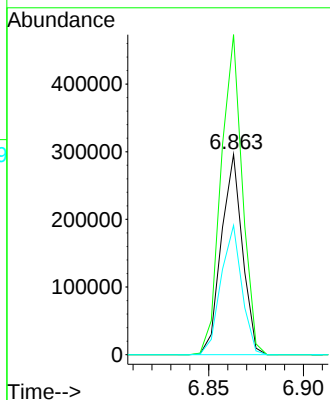
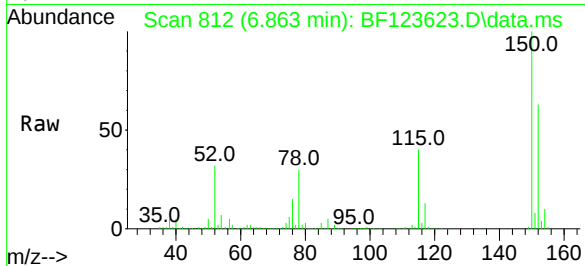




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

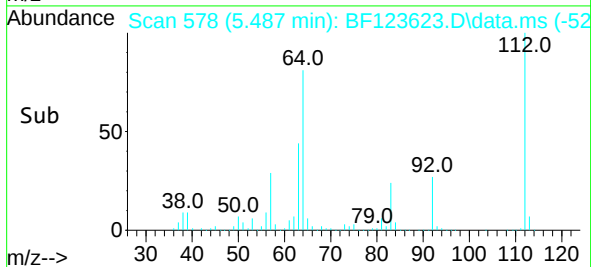
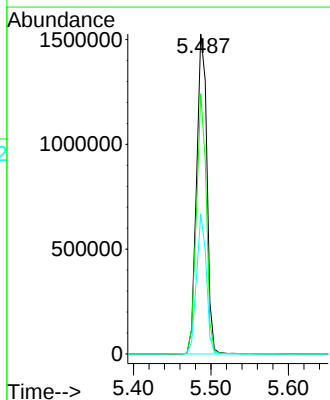
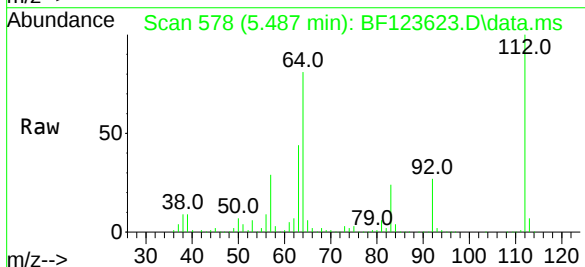
Instrument :
BNA_F
ClientSampleId :
0124027

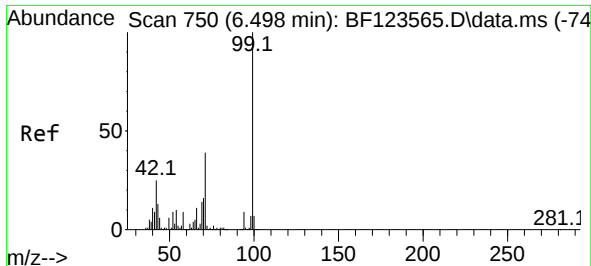
Tgt Ion:152 Resp: 228364
Ion Ratio Lower Upper
152 100
150 159.7 127.0 190.6
115 64.6 54.3 81.5



#5
2-Fluorophenol
Concen: 100.09 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

Tgt Ion:112 Resp: 1414169
Ion Ratio Lower Upper
112 100
64 81.3 61.4 92.0
63 43.7 33.0 49.4

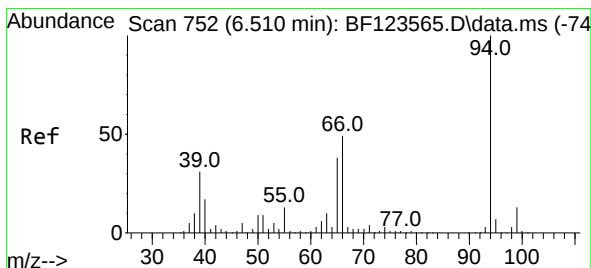
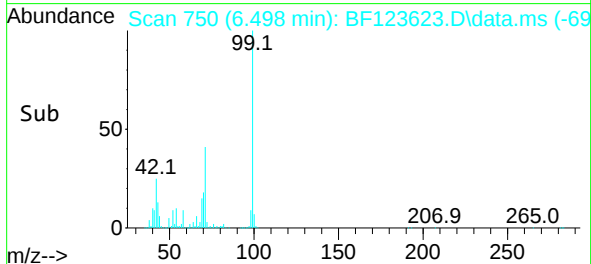
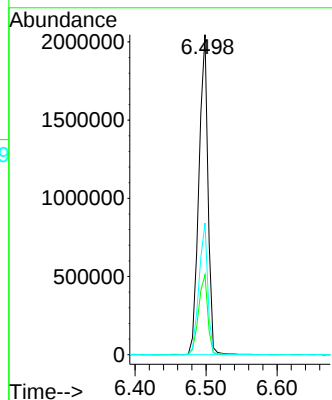
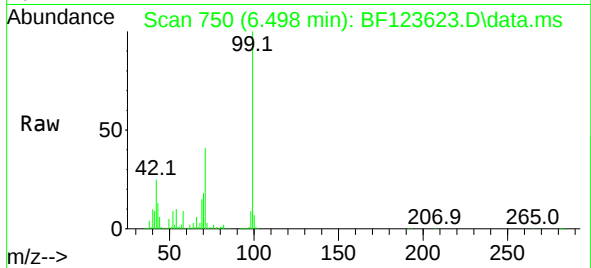




#7
Phenol-d6
Concen: 93.12 ng
RT: 6.498 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

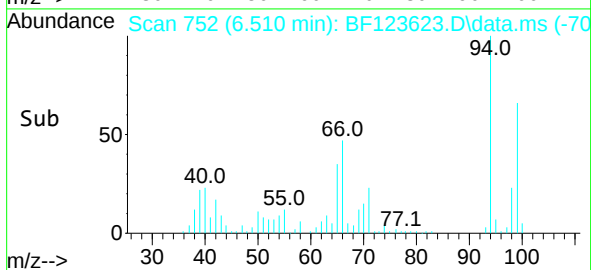
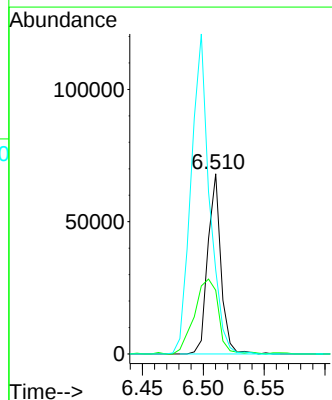
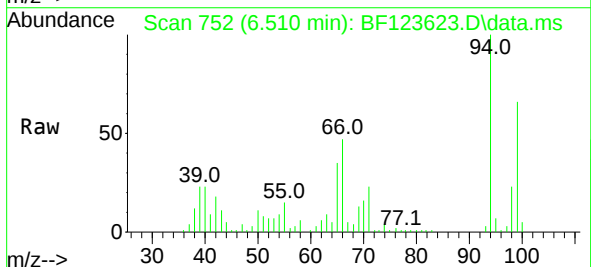
Instrument :
BNA_F
ClientSampleId :
0124027

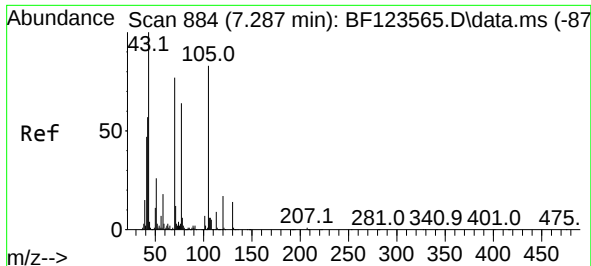
Tgt Ion: 99 Resp: 1823232
Ion Ratio Lower Upper
99 100
42 25.0 19.8 29.8
71 41.2 31.1 46.7



#10
Phenol
Concen: 2.45 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

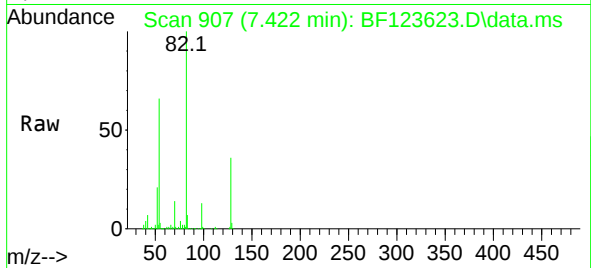
Tgt Ion: 94 Resp: 51006
Ion Ratio Lower Upper
94 100
65 35.3 18.1 58.1
66 46.7 29.0 69.0



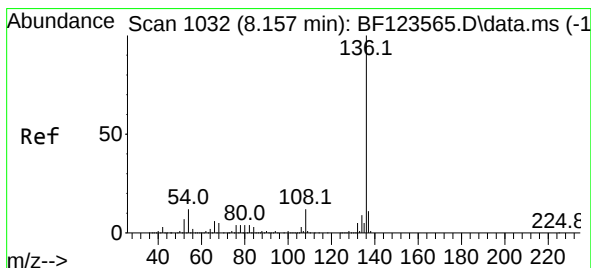
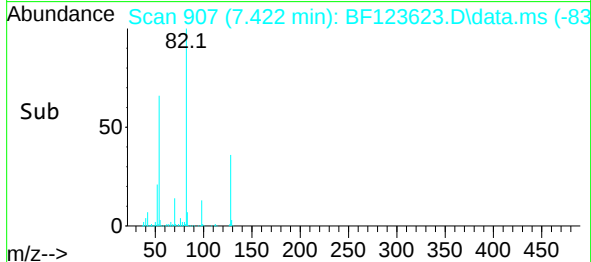
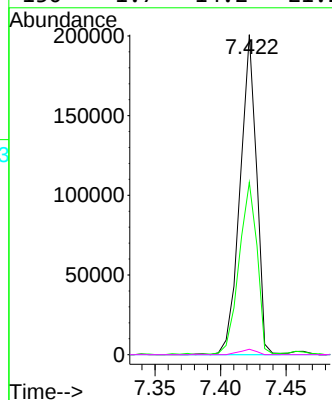


#19
n-Nitroso-di-n-propylamine
Concen: 13.58 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.135 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

Instrument :
BNA_F
ClientSampleId :
0124027

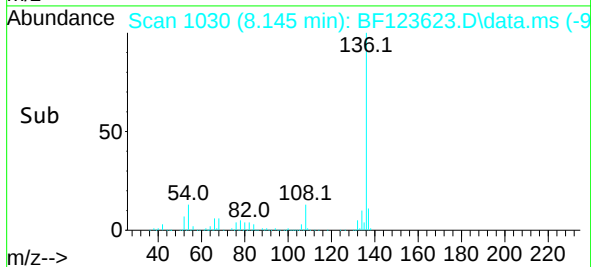
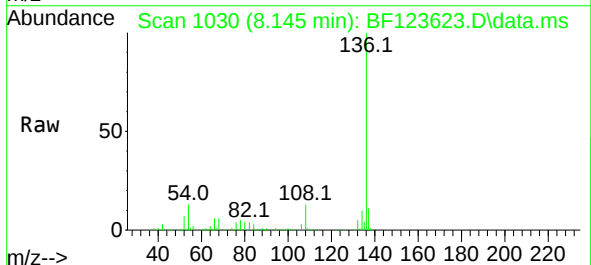
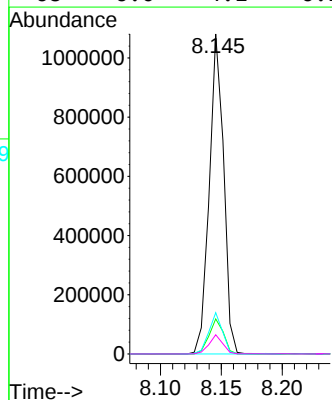


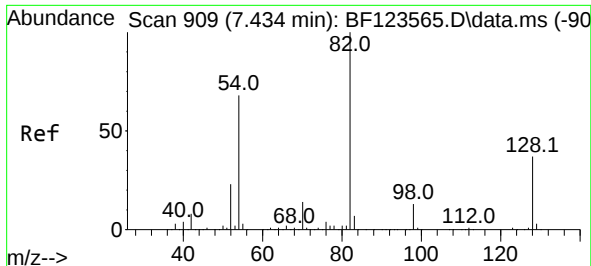
Tgt Ion: 70 Resp: 176068
Ion Ratio Lower Upper
70 100
42 53.8 60.1 90.1#
101 0.0 7.4 11.2#
130 1.7 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

Tgt Ion: 136 Resp: 886515
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 12.9 9.8 14.6
68 6.0 4.1 6.1





#23

Nitrobenzene-d5

Concen: 68.00 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.012 min

Lab File: BF123623.D

Acq: 19 Apr 2021 15:30

Tgt Ion: 82 Resp: 1311294

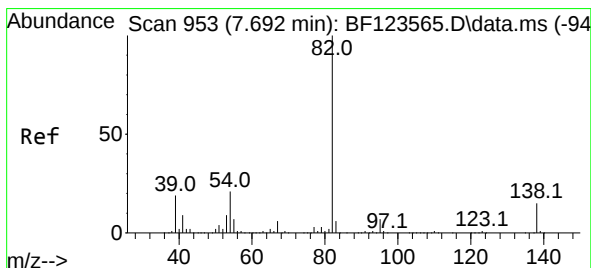
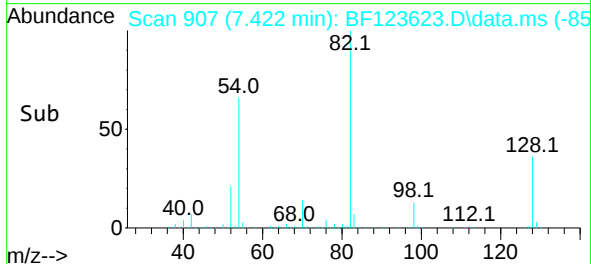
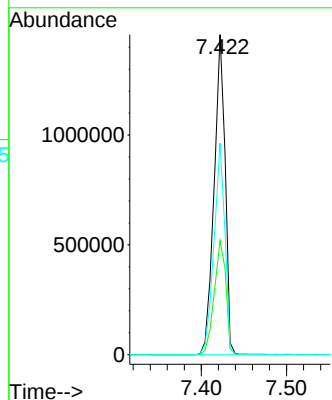
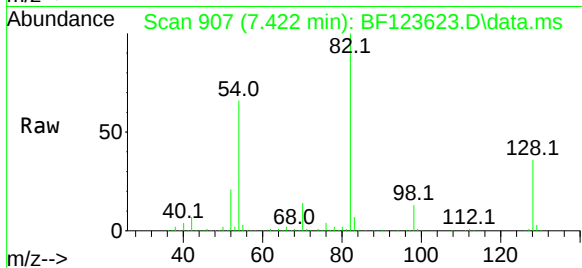
Ion	Ratio	Lower	Upper
82	100		
128	35.6	29.4	44.2
54	66.1	54.1	81.1

Instrument :

BNA_F

ClientSampleId :

0124027



#25

Isophorone

Concen: 34.98 ng

RT: 7.422 min Scan# 907

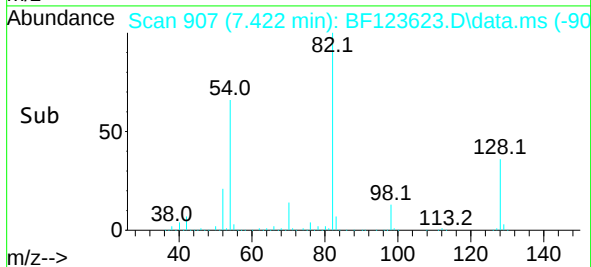
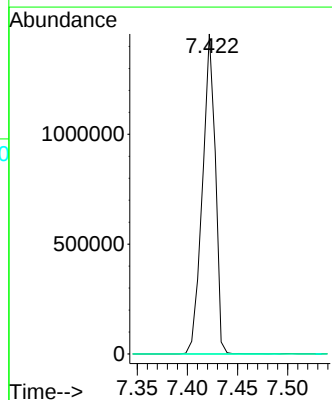
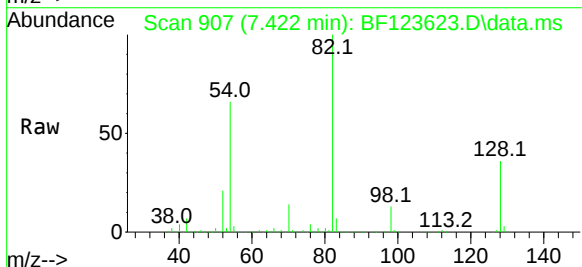
Delta R.T. -0.270 min

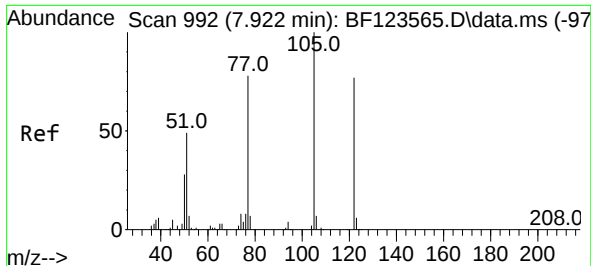
Lab File: BF123623.D

Acq: 19 Apr 2021 15:30

Tgt Ion: 82 Resp: 1308800

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

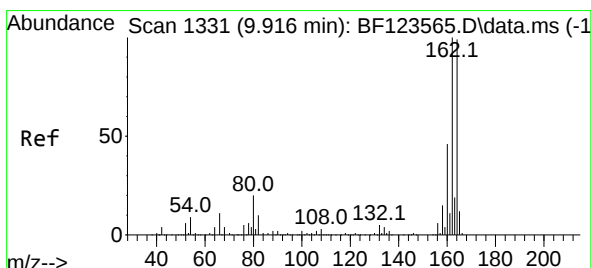
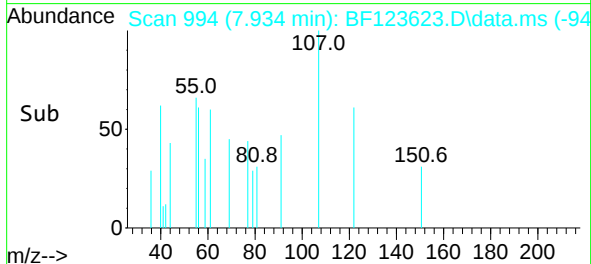
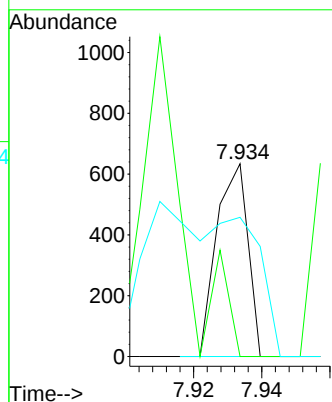
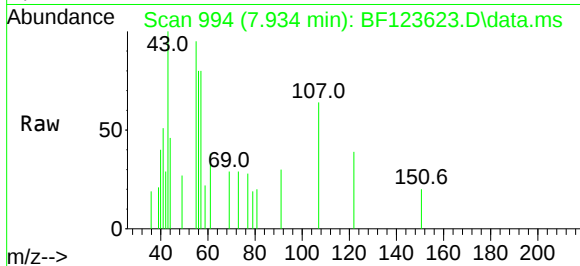




#32
Benzoic acid
Concen: 4.59 ng
RT: 7.934 min Scan# 994
Delta R.T. 0.012 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

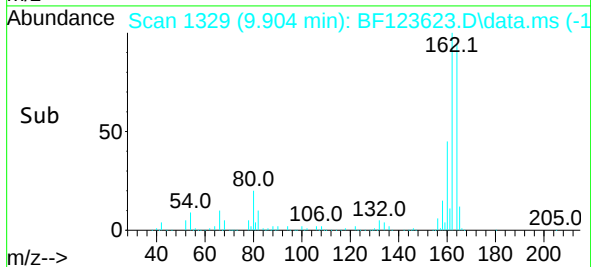
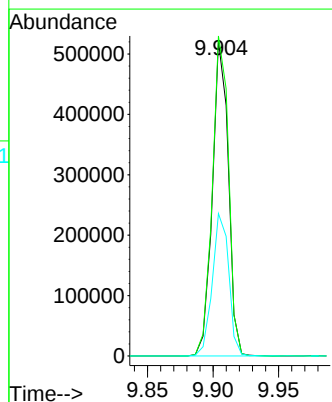
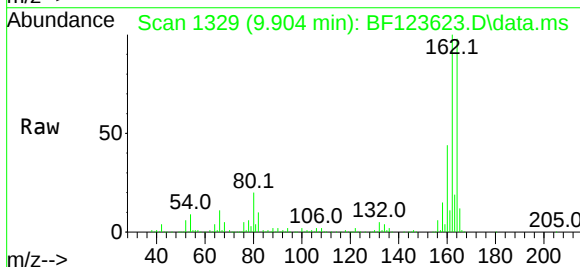
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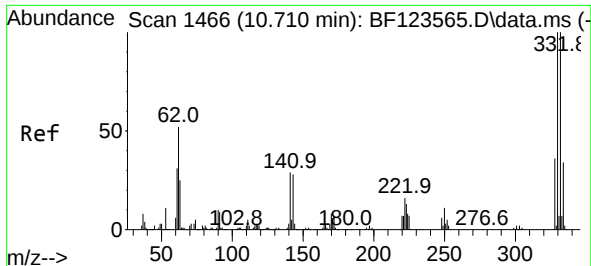
Tgt Ion:122 Resp: 401
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 72.2 81.6 121.6#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

Tgt Ion:164 Resp: 440200
Ion Ratio Lower Upper
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162 101.6 80.7 121.1
160 45.2 37.3 55.9

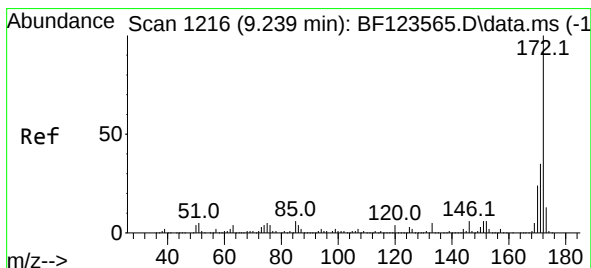
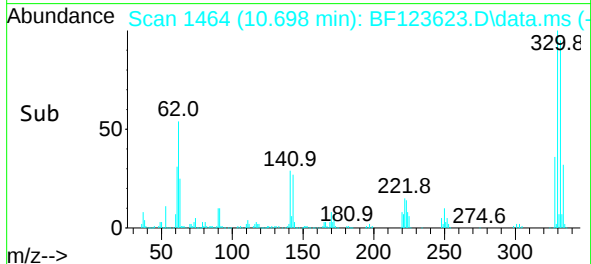
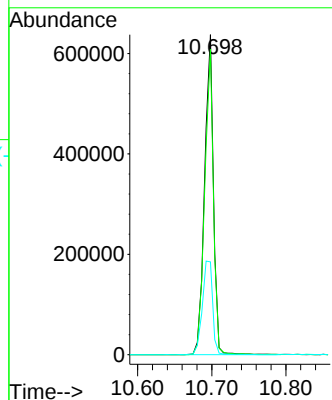
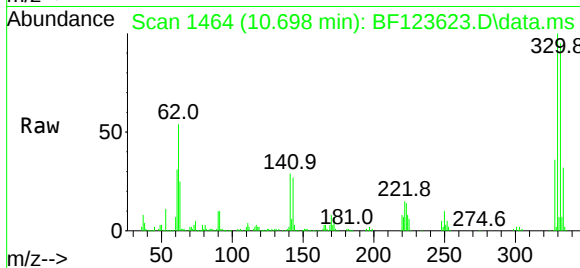




#42
2,4,6-Tribromophenol
Concen: 106.20 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

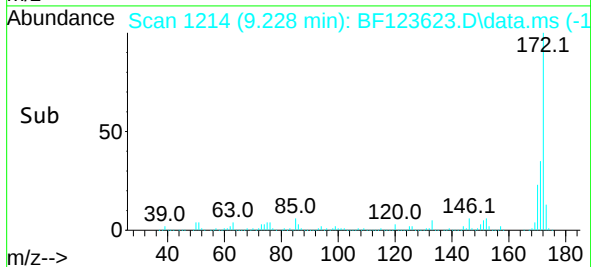
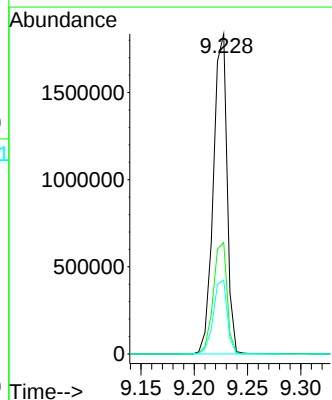
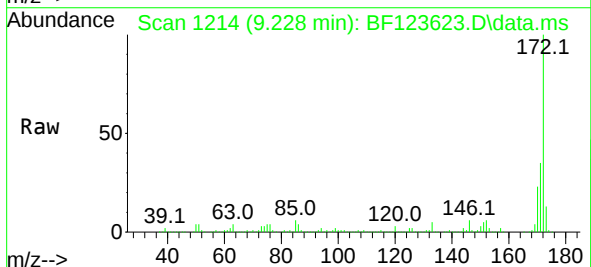
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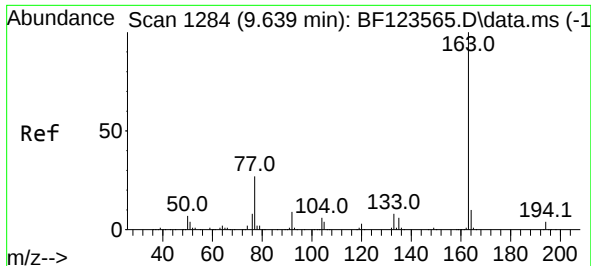
Tgt Ion: 330 Resp: 529384
Ion Ratio Lower Upper
330 100
332 94.3 77.1 115.7
141 34.1 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 55.80 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

Tgt Ion: 172 Resp: 1647745
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.1 19.2 28.8

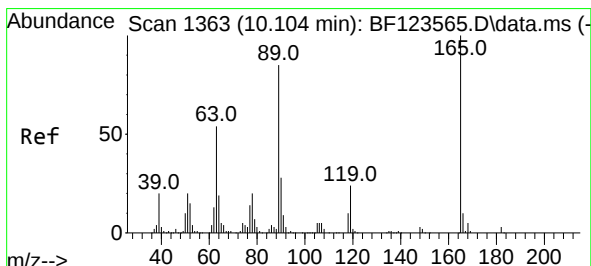
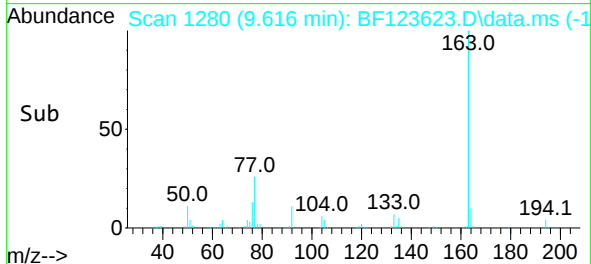
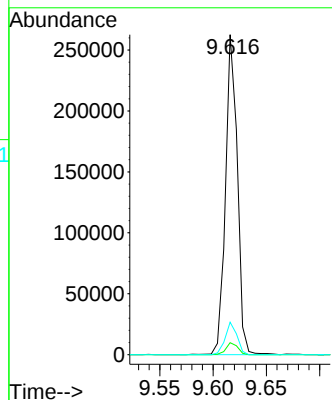
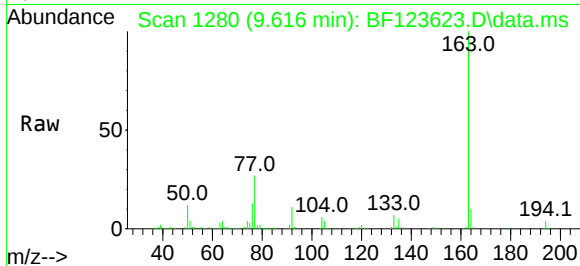




#50
Dimethylphthalate
Concen: 6.66 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.023 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

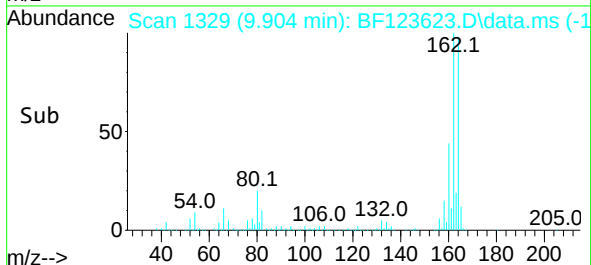
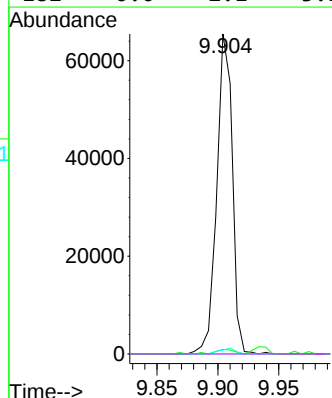
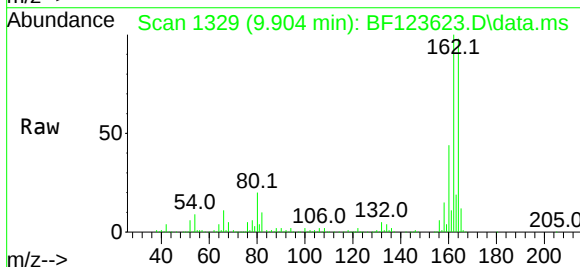
Instrument :
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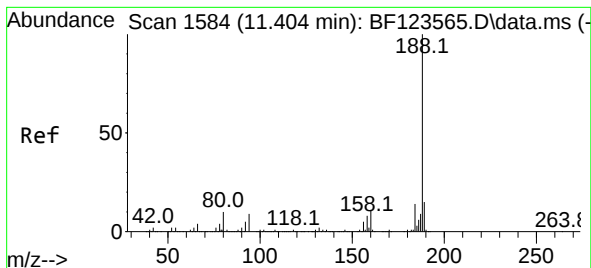
Tgt Ion:163 Resp: 202606
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.2 8.2 12.2



#57
2,4-Dinitrotoluene
Concen: 6.51 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.200 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

Tgt Ion:165 Resp: 58076
Ion Ratio Lower Upper
165 100
63 1.5 43.5 65.3#
89 1.2 67.7 101.5#
182 0.0 2.1 3.1#

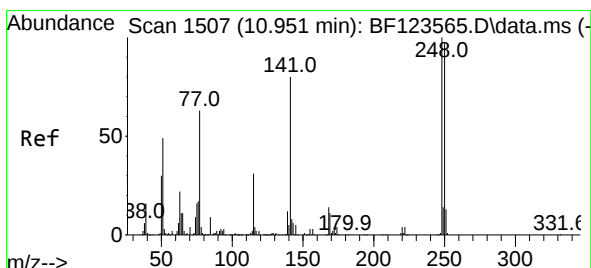
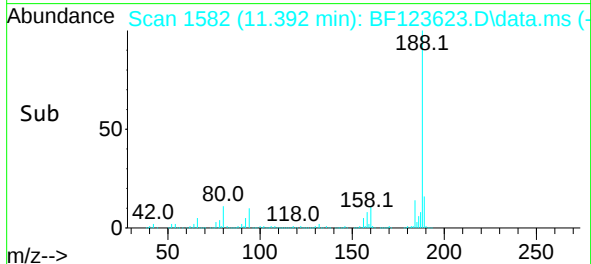
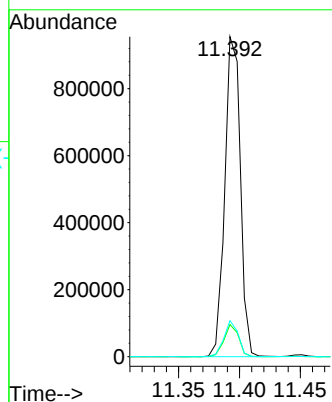
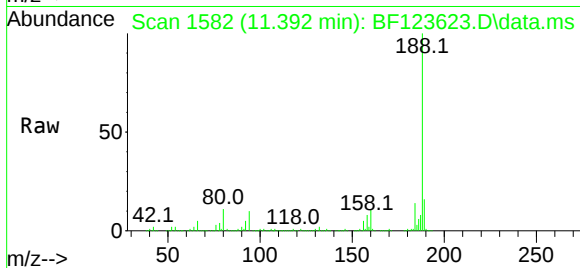




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

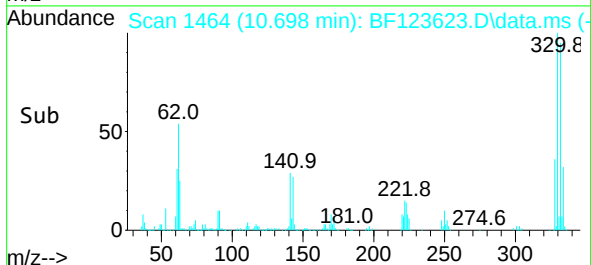
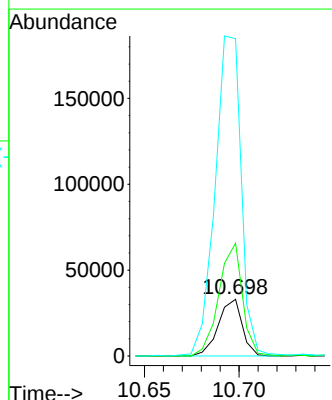
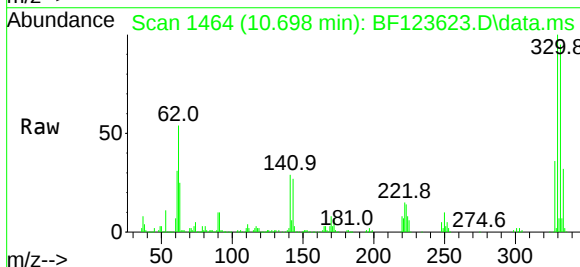
Instrument :
BNA_F
ClientSampleId :
0124027

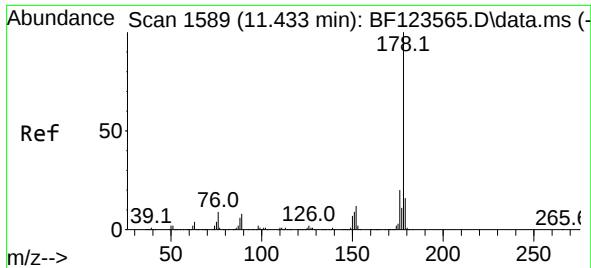
Tgt Ion:188	Resp:	850056
Ion Ratio	Lower	Upper
188	100	
94	10.1	6.9 10.3
80	11.3	8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 3.26 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

Tgt Ion:248	Resp:	28978
Ion Ratio	Lower	Upper
248	100	
250	199.1	77.4 116.2#
141	560.1	63.7 95.5#

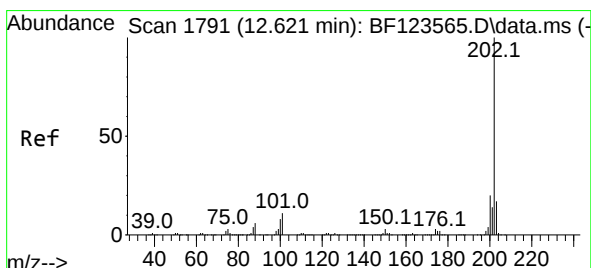
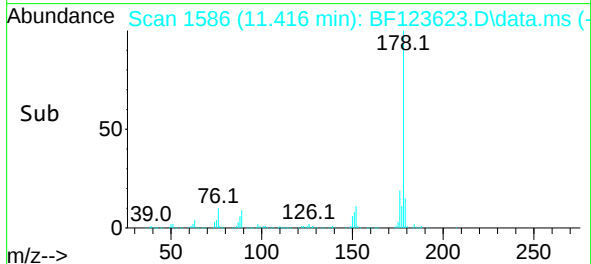
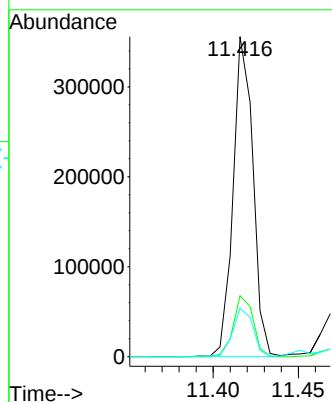
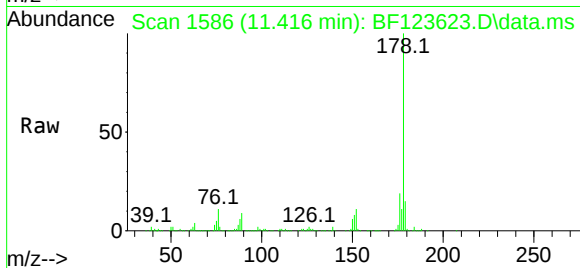




#71
Phenanthrene
Concen: 6.51 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.018 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

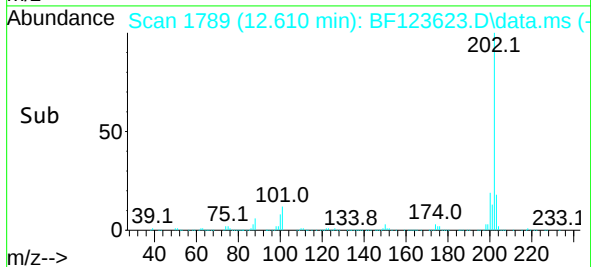
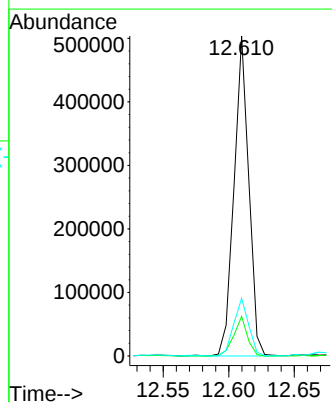
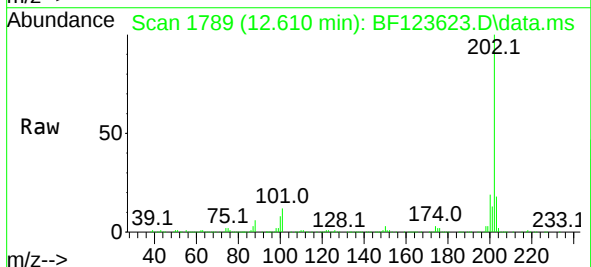
Instrument :
BNA_F
ClientSampleId :
0124027

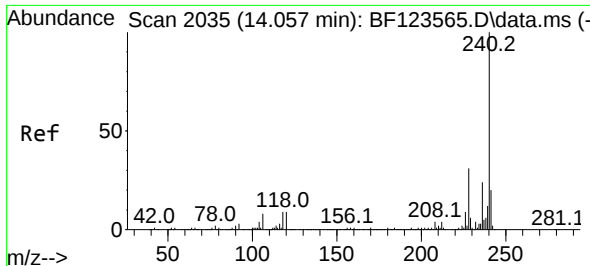
Tgt Ion:178 Resp: 288806
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.1 12.5 18.7



#75
Fluoranthene
Concen: 8.10 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.018 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

Tgt Ion:202 Resp: 395049
Ion Ratio Lower Upper
202 100
101 12.4 0.0 30.9
203 18.0 0.0 37.5

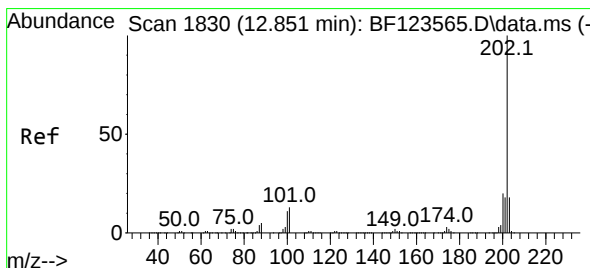
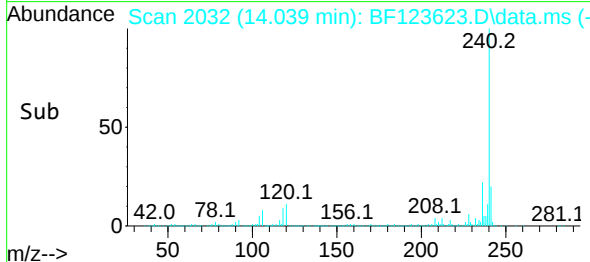
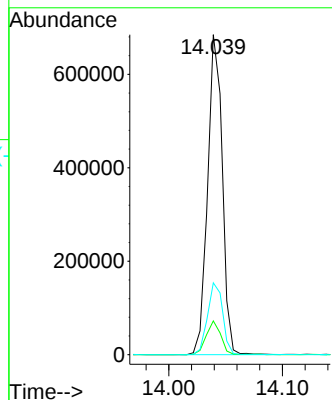
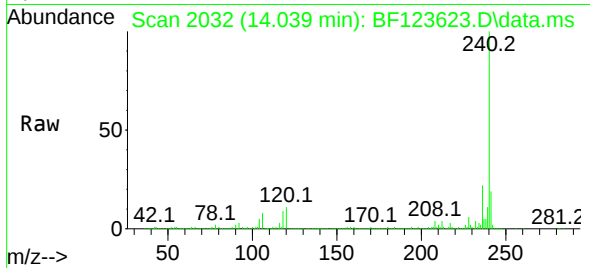




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.018 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

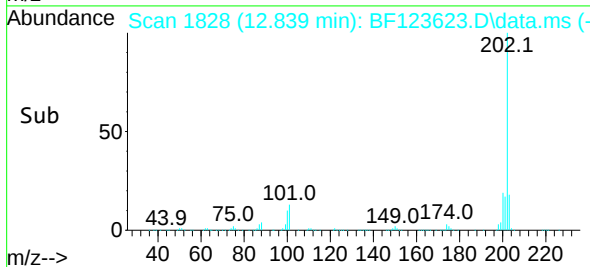
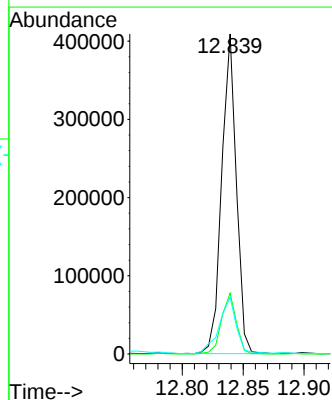
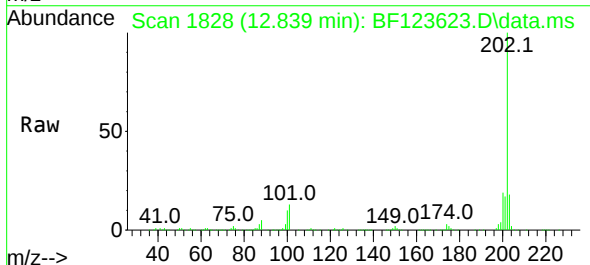
Instrument :
BNA_F
ClientSampleId :
0124027

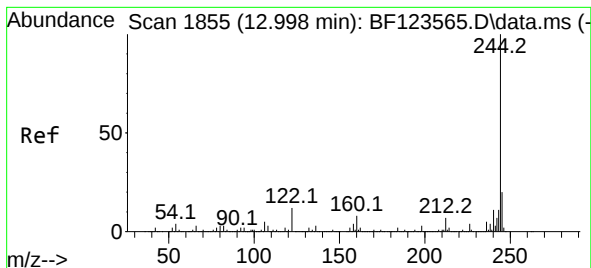
Tgt Ion:240 Resp: 612525
Ion Ratio Lower Upper
240 100
120 10.6 7.2 10.8
236 22.5 19.0 28.4



#78
Pyrene
Concen: 7.66 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.018 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

Tgt Ion:202 Resp: 342466
Ion Ratio Lower Upper
202 100
200 19.0 16.1 24.1
203 17.7 14.8 22.2





#79

Terphenyl-d14

Concen: 46.84 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.012 min

Lab File: BF123623.D

Acq: 19 Apr 2021 15:30

Instrument :

BNA_F

ClientSampleId :

0124027

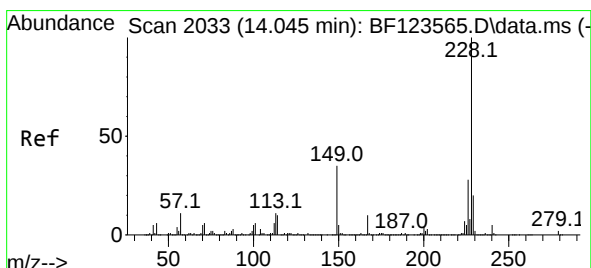
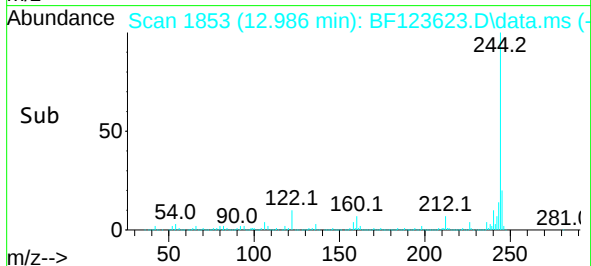
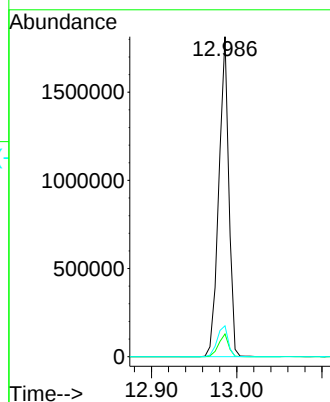
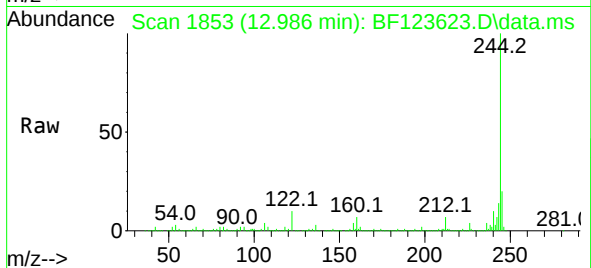
Tgt Ion:244 Resp: 1476156

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 9.7 9.7 14.5#



#81

Benzo(a)anthracene

Concen: 3.46 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.018 min

Lab File: BF123623.D

Acq: 19 Apr 2021 15:30

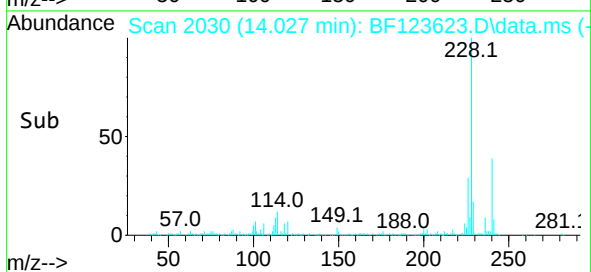
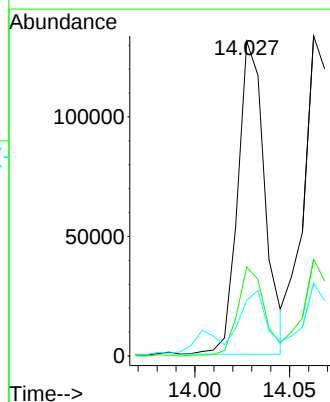
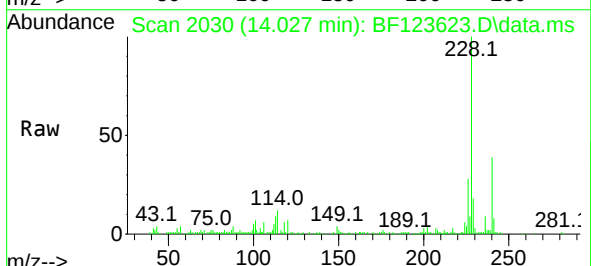
Tgt Ion:228 Resp: 130035

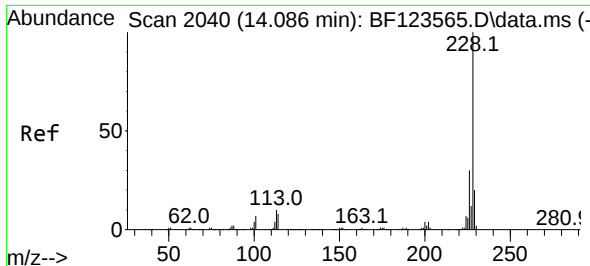
Ion Ratio Lower Upper

228 100

226 28.3 22.4 33.6

229 17.7 16.0 24.0

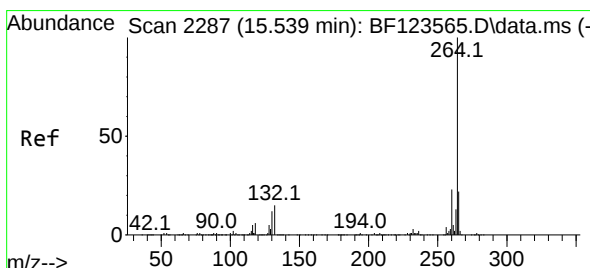
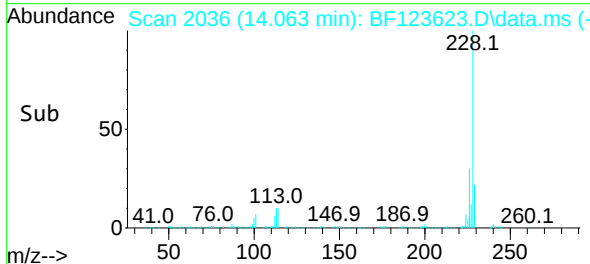
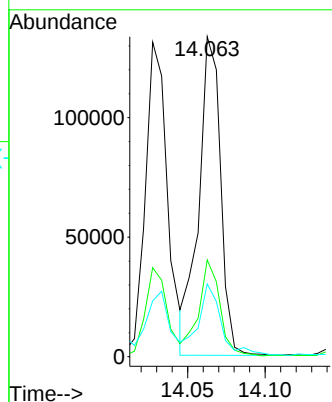
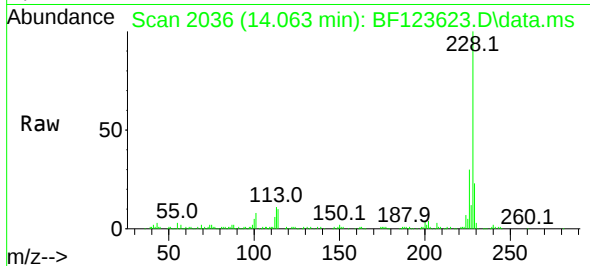




#83
Chrysene
Concen: 3.47 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.023 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

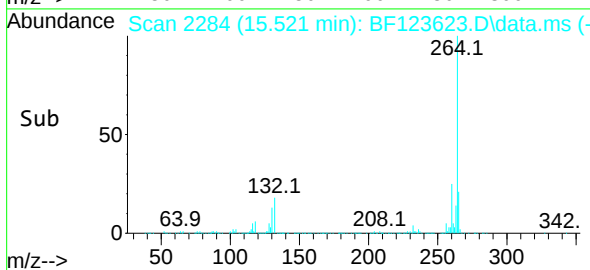
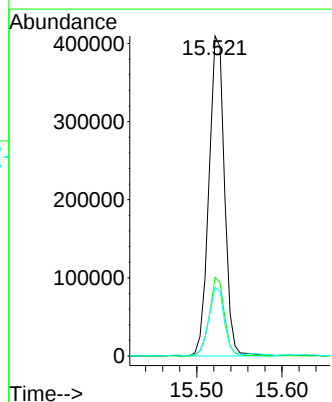
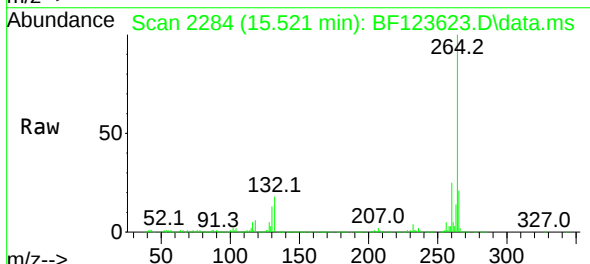
Instrument :
BNA_F
ClientSampleId :
0124027

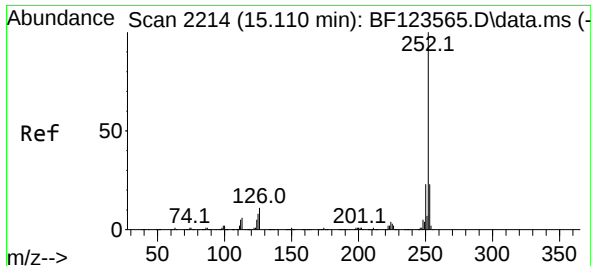
Tgt Ion:228 Resp: 130917
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 22.7 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.521 min Scan# 2284
Delta R.T. -0.018 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

Tgt Ion:264 Resp: 520786
Ion Ratio Lower Upper
264 100
260 24.5 18.7 28.1
265 21.5 17.8 26.8

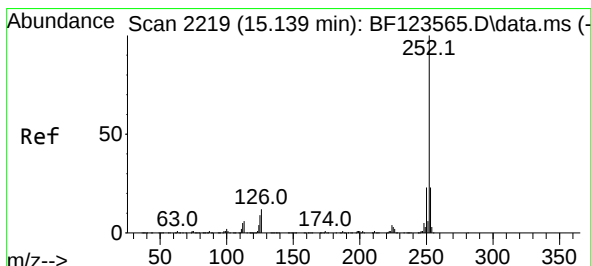
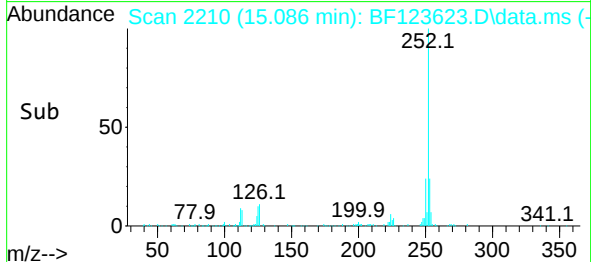
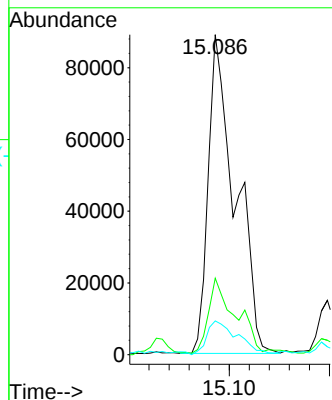
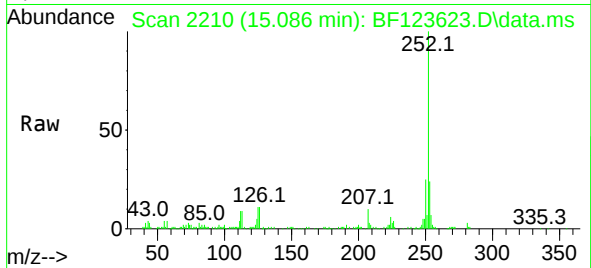




#88
Benzo(b)fluoranthene
Concen: 4.54 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.023 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

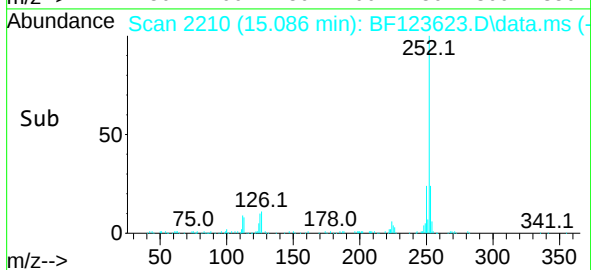
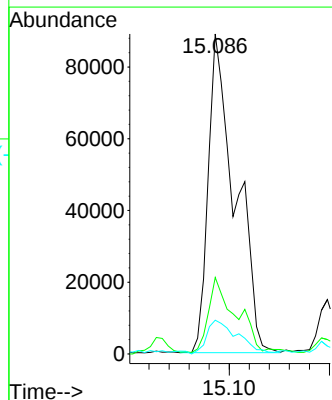
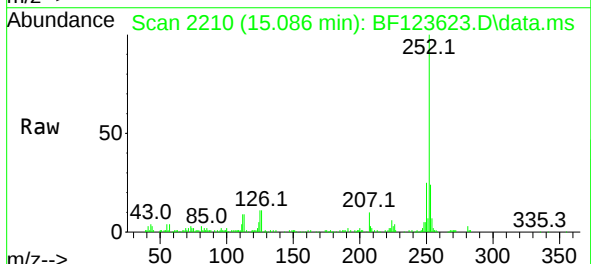
Instrument :
BNA_F
ClientSampleId :
0124027

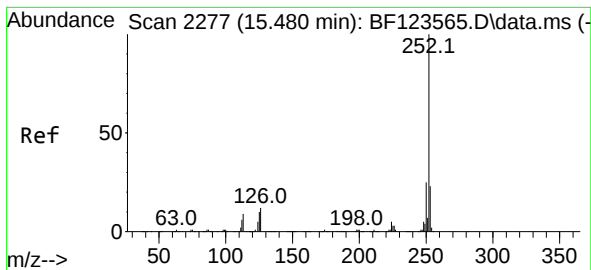
Tgt Ion:252 Resp: 166798
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 10.6 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 3.60 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.053 min
Lab File: BF123623.D
Acq: 19 Apr 2021 15:30

Tgt Ion:252 Resp: 166798
Ion Ratio Lower Upper
252 100
253 23.9 17.9 26.9
125 10.6 7.0 10.6#





#90

Benzo(a)pyrene

Concen: 3.16 ng

RT: 15.457 min Scan# 2273

Delta R.T. -0.023 min

Lab File: BF123623.D

Acq: 19 Apr 2021 15:30

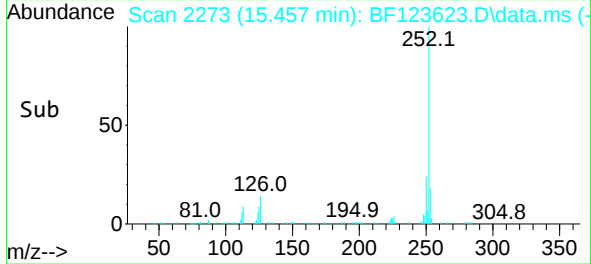
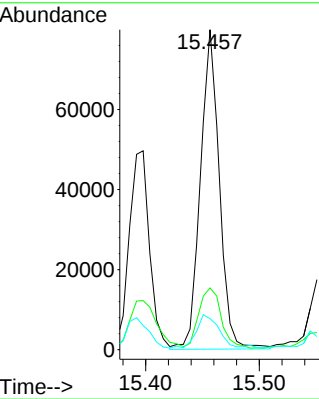
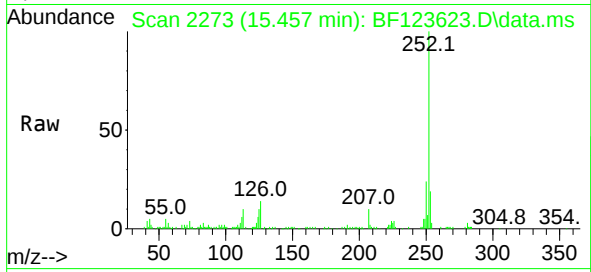
Tgt Ion:252 Resp: 92482

Ion Ratio Lower Upper

252 100

253 19.3 18.4 27.6

125 9.7 8.0 12.0



Instrument :

BNA_F

ClientSampleId :

0124027