

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041621\
 Data File : BF123601.D
 Acq On : 16 Apr 2021 20:12
 Operator : JU/CG
 Sample : M2046-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Quant Time: Apr 17 01:25:37 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)

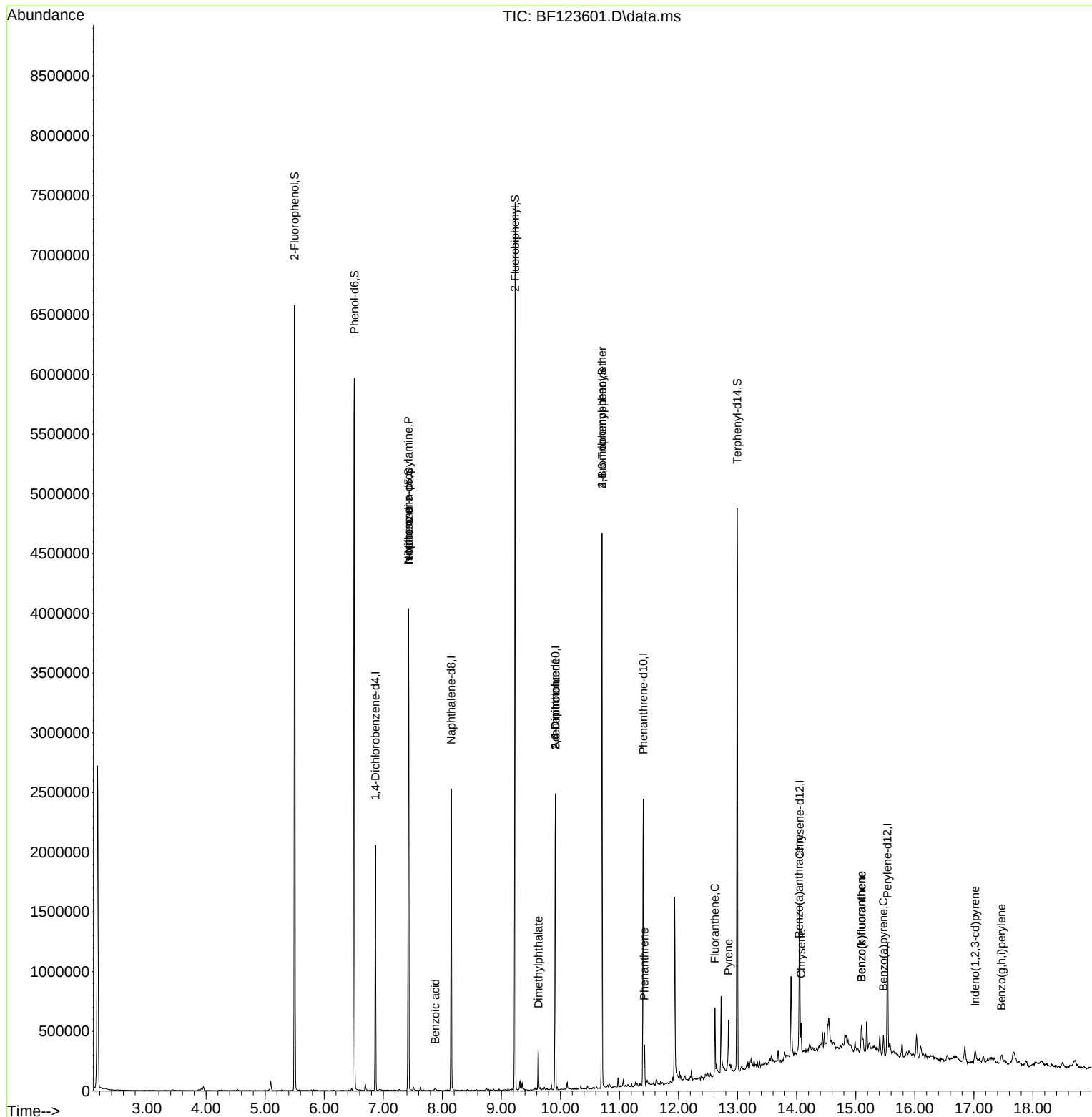
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	246544	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	929029	20.00	ng	0.00
39) Acenaphthene-d10	9.916	164	457245	20.00	ng	0.00
64) Phenanthrene-d10	11.404	188	822494	20.00	ng	0.00
76) Chrysene-d12	14.051	240	433015	20.00	ng	0.00
86) Perylene-d12	15.539	264	446108	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1388320	91.01	ng	0.02
7) Phenol-d6	6.510	99	1748526	82.72	ng	0.01
23) Nitrobenzene-d5	7.428	82	1294519	64.06	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	489595	94.56	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1989020	64.85	ng	0.00
79) Terphenyl-d14	12.992	244	1542115	69.22	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	175667	12.55	ng	# 78
25) Isophorone	7.428	82	1294496	33.02	ng	# 69
32) Benzoic acid	7.881	122	132	4.56	ng	# 55
50) Dimethylphthalate	9.628	163	115589	3.66	ng	96
51) 2,6-Dinitrotoluene	9.916	165	61475	8.87	ng	# 12
57) 2,4-Dinitrotoluene	9.916	165	61475	6.64	ng	# 18
67) 4-Bromophenyl-phenylether	10.704	248	26679	3.10	ng	# 1
71) Phenanthrene	11.422	178	113544	2.65	ng	99
75) Fluoranthene	12.616	202	192709	4.08	ng	96
78) Pyrene	12.845	202	155635	4.92	ng	99
81) Benzo(a)anthracene	14.039	228	70357	2.65	ng	96
83) Chrysene	14.074	228	96464	3.62	ng	99
87) Indeno(1,2,3-cd)pyrene	17.021	276	60256	2.53	ng	99
88) Benzo(b)fluoranthene	15.098	252	148285	4.71	ng	# 96
89) Benzo(k)fluoranthene	15.098	252	148285	3.80	ng	# 96
90) Benzo(a)pyrene	15.468	252	70112	2.80	ng	# 96
92) Benzo(g,h,i)perylene	17.468	276	64681	3.42	ng	# 94

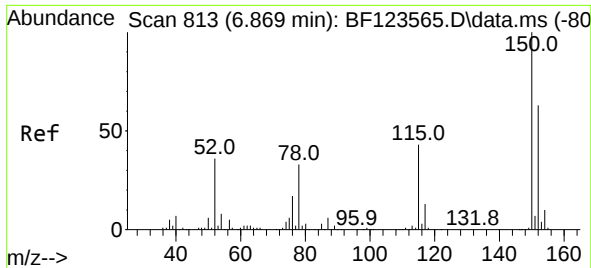
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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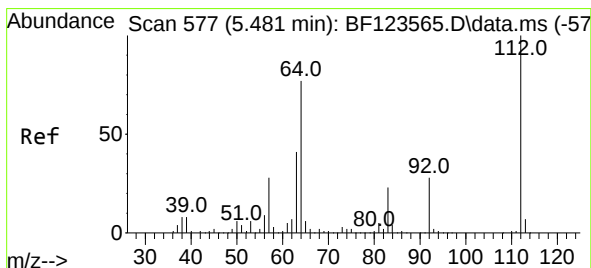
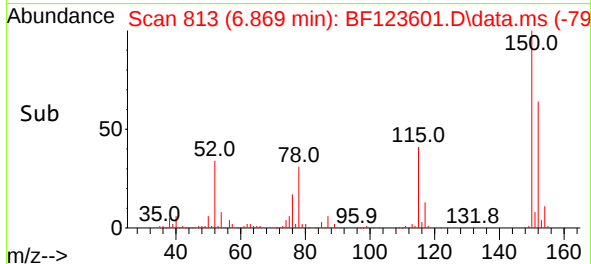
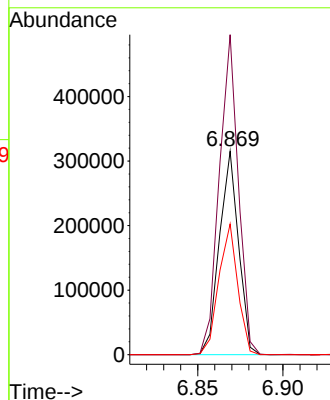
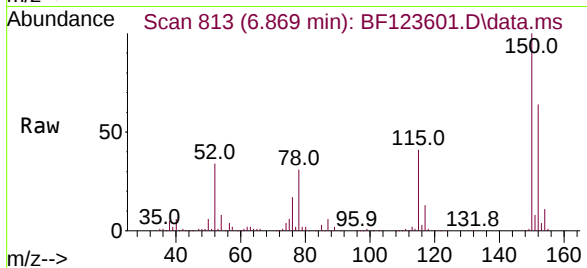




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

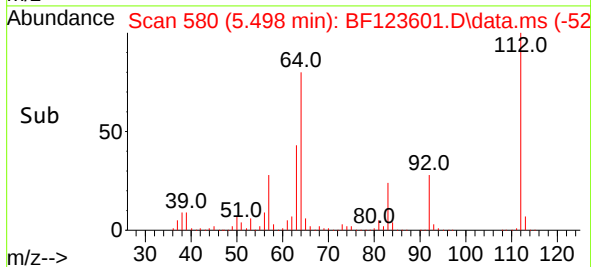
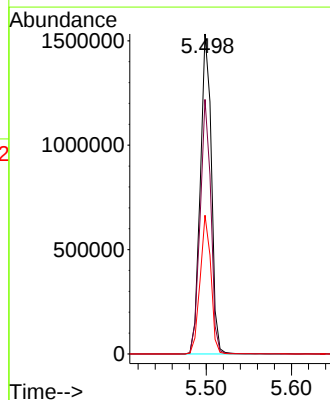
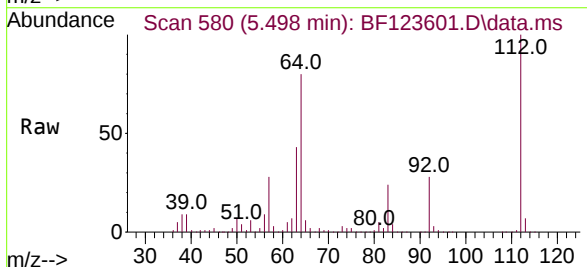
Instrument :
BNA_F
ClientSampleID :
WC-5

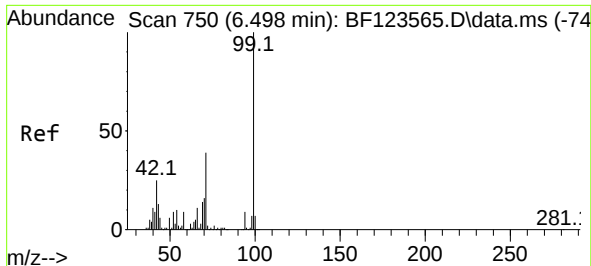
Tgt Ion:152 Resp: 246544
Ion Ratio Lower Upper
152 100
150 157.3 127.0 190.6
115 64.2 54.3 81.5



#5
2-Fluorophenol
Concen: 91.01 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

Tgt Ion:112 Resp: 1388320
Ion Ratio Lower Upper
112 100
64 79.6 61.4 92.0
63 43.4 33.0 49.4

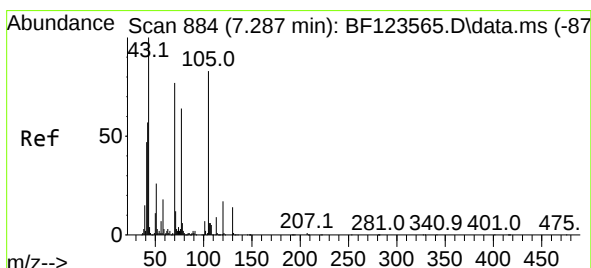
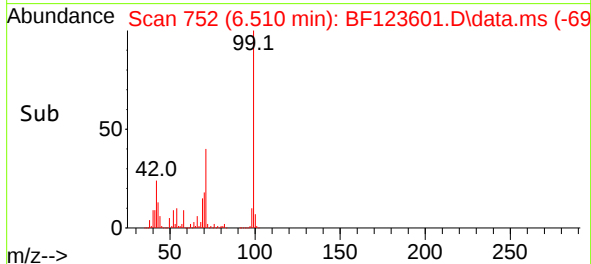
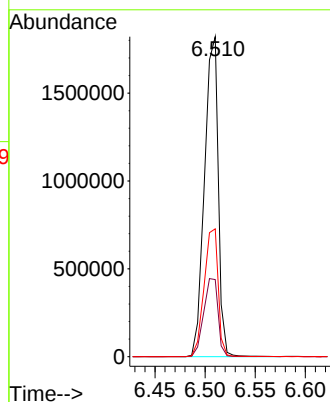
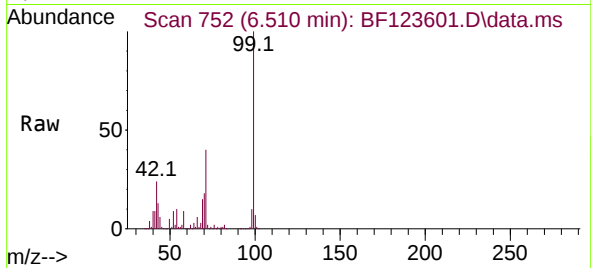




#7
Phenol-d6
Concen: 82.72 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.012 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

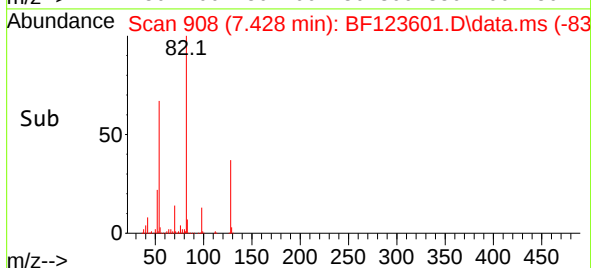
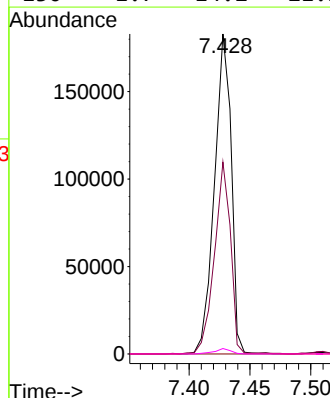
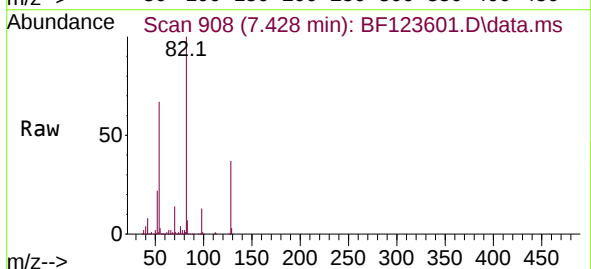
Instrument :
BNA_F
ClientSampleId :
WC-5

Tgt Ion: 99 Resp: 1748526
Ion Ratio Lower Upper
99 100
42 24.1 19.8 29.8
71 39.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.55 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

Tgt Ion: 70 Resp: 175667
Ion Ratio Lower Upper
70 100
42 59.9 60.1 90.1#
101 0.0 7.4 11.2#
130 1.7 14.2 21.2#



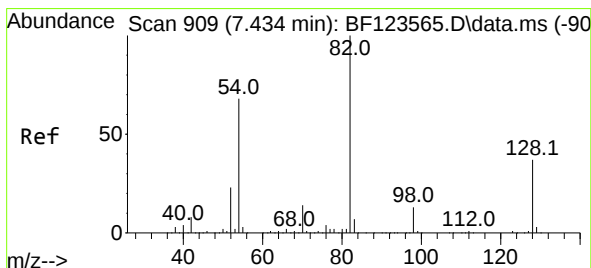
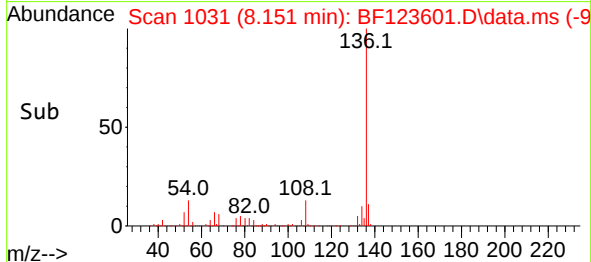
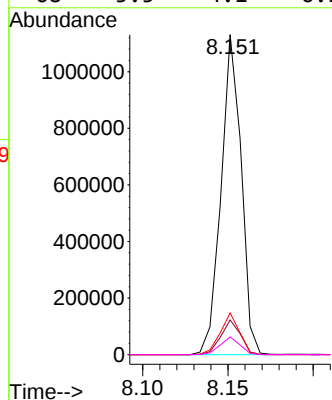
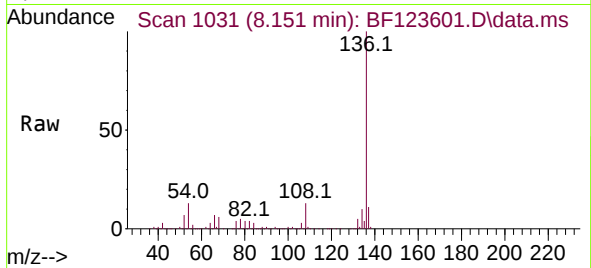


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

Instrument :
BNA_F
ClientSampleId :
WC-5

Tgt Ion:136 Resp: 929029

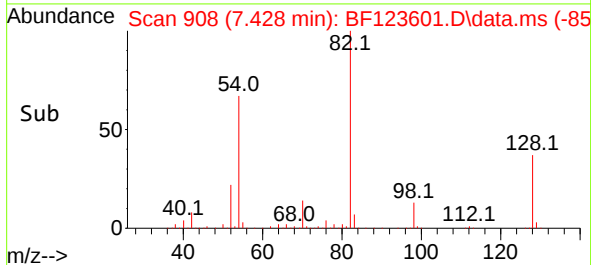
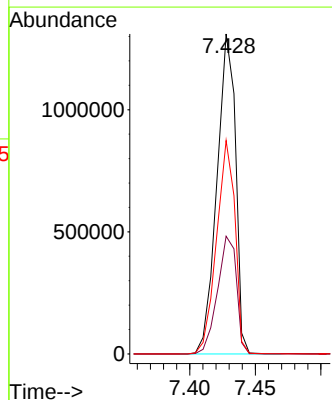
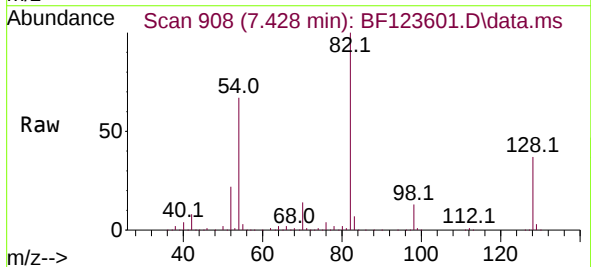
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	13.1	9.8	14.6
68	5.5	4.1	6.1

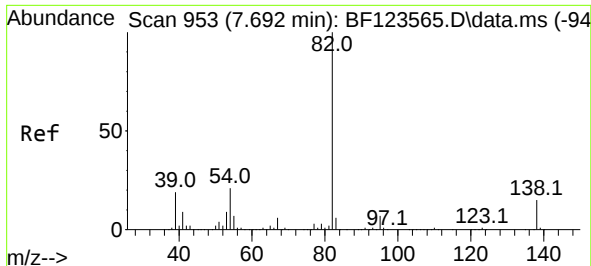


#23
Nitrobenzene-d5
Concen: 64.06 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

Tgt Ion: 82 Resp: 1294519

Ion	Ratio	Lower	Upper
82	100		
128	36.8	29.4	44.2
54	66.7	54.1	81.1

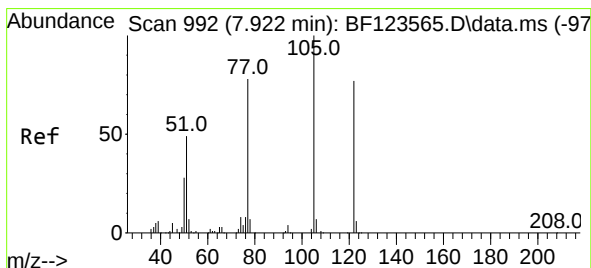
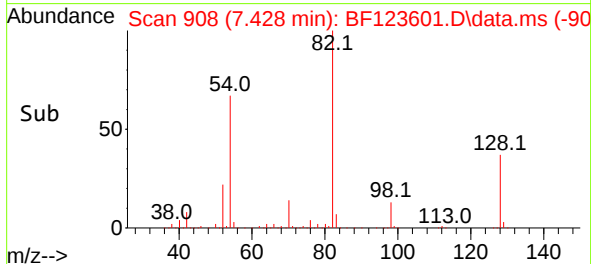
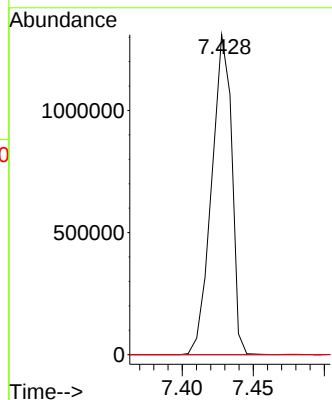
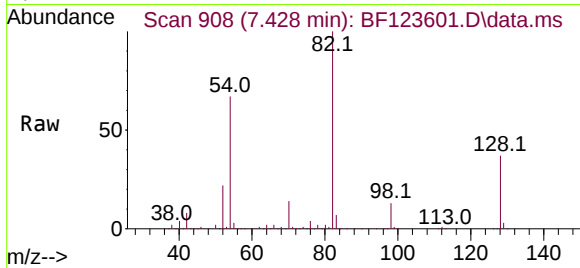




#25
Isophorone
Concen: 33.02 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

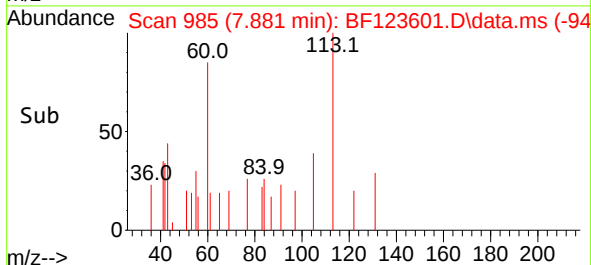
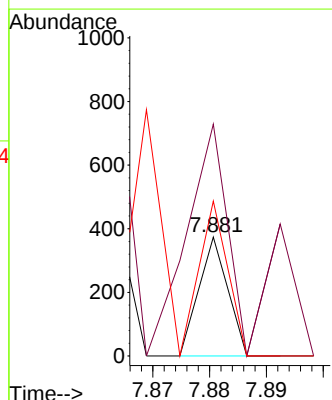
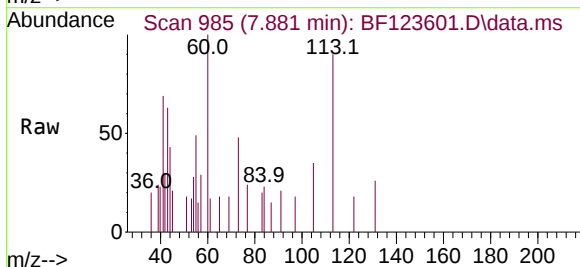
Instrument :
BNA_F
ClientSampleId :
WC-5

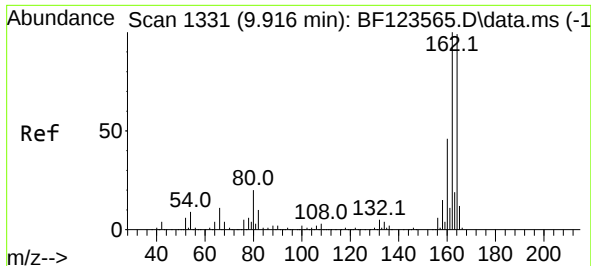
Tgt Ion: 82 Resp: 1294496
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 4.56 ng
RT: 7.881 min Scan# 985
Delta R.T. -0.041 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

Tgt Ion: 122 Resp: 132
Ion Ratio Lower Upper
122 100
105 194.9 107.8 147.8#
77 130.2 81.6 121.6#

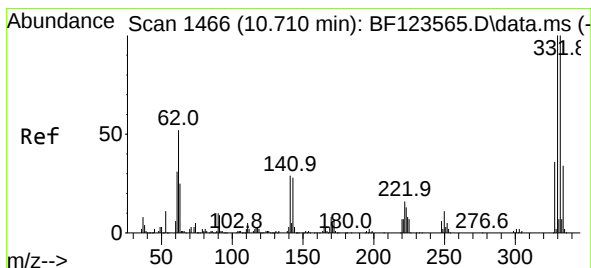
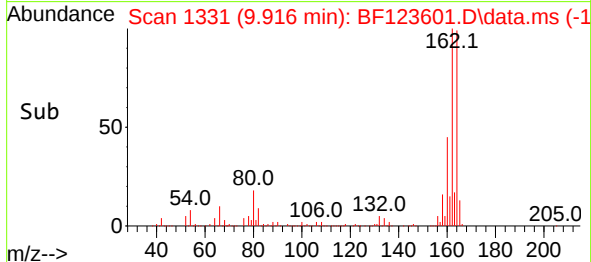
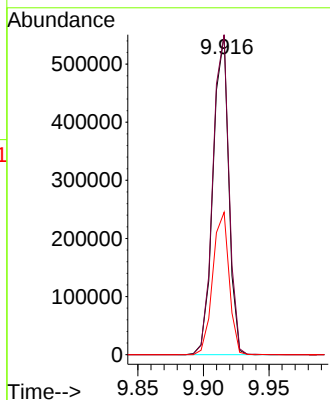
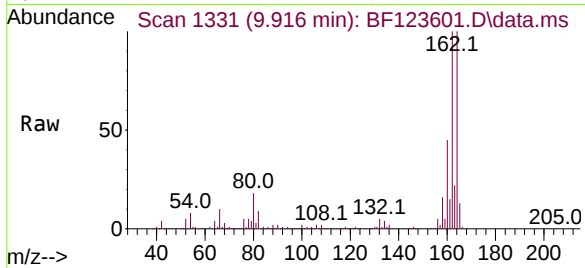




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

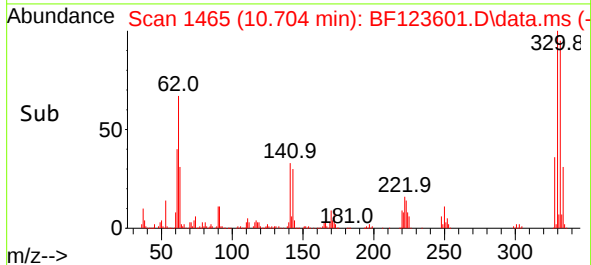
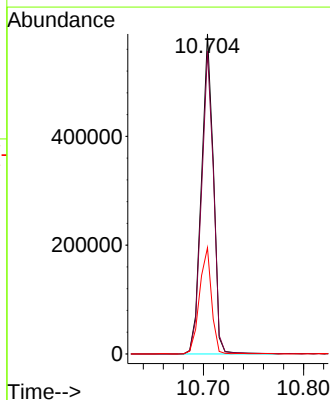
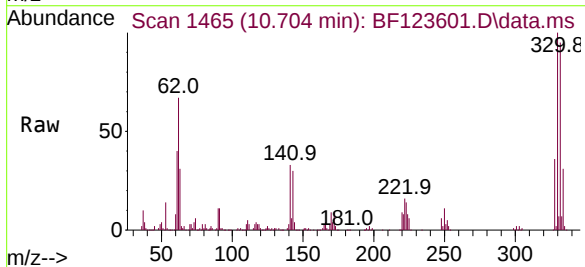
Instrument :
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ClientSampleId :
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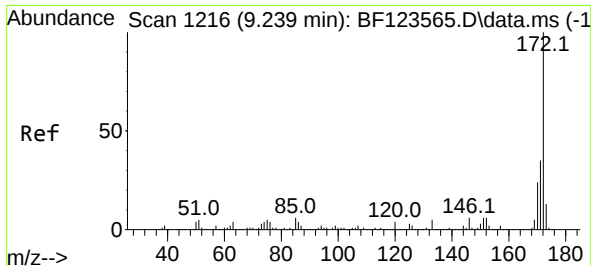
Tgt Ion:164 Resp: 457245
Ion Ratio Lower Upper
164 100
162 100.2 80.7 121.1
160 44.6 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 94.56 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

Tgt Ion:330 Resp: 489595
Ion Ratio Lower Upper
330 100
332 95.3 77.1 115.7
141 33.4 27.9 41.9



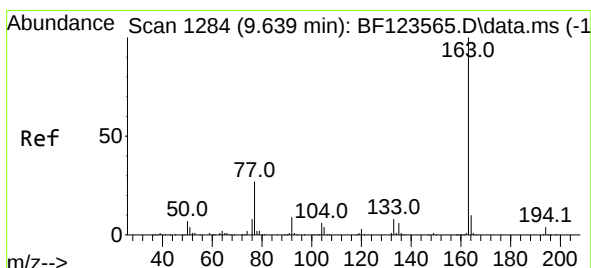
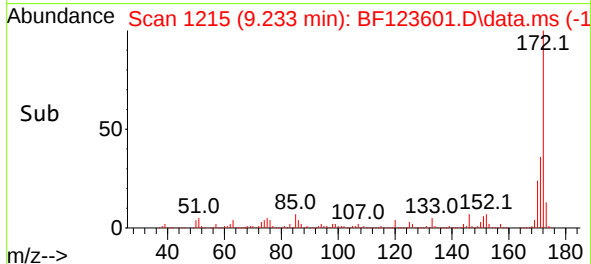
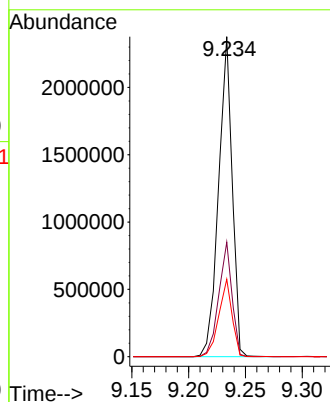
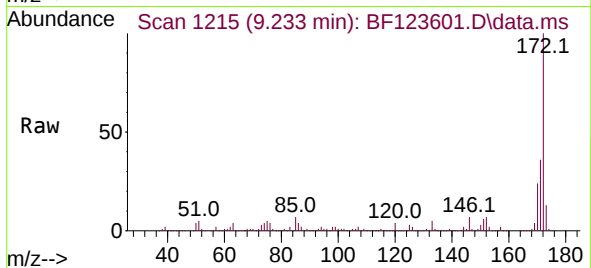


#45
2-Fluorobiphenyl
Concen: 64.85 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

Instrument :
BNA_F
ClientSampleId :
WC-5

Tgt Ion:172 Resp: 1989020

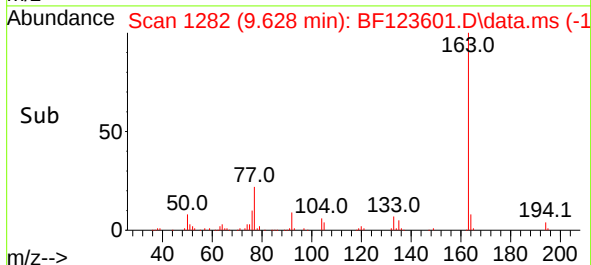
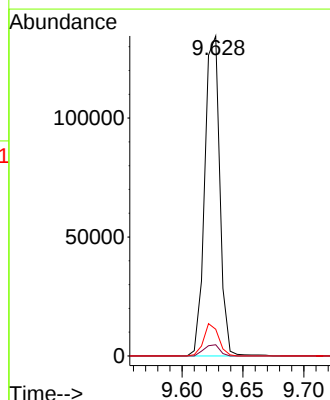
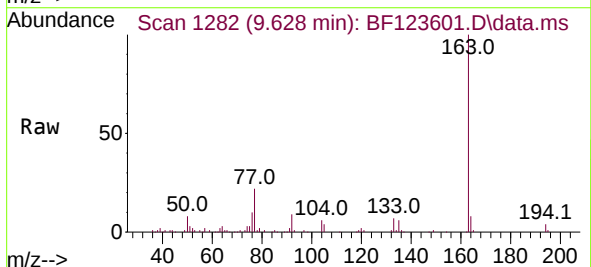
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.1	42.1
170	24.2	19.2	28.8

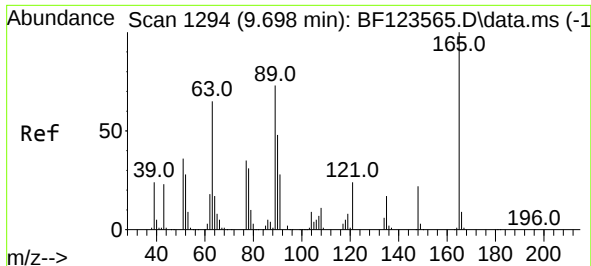


#50
Dimethylphthalate
Concen: 3.66 ng
RT: 9.628 min Scan# 1282
Delta R.T. -0.012 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

Tgt Ion:163 Resp: 115589

Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.1	4.7
164	8.4	8.2	12.2

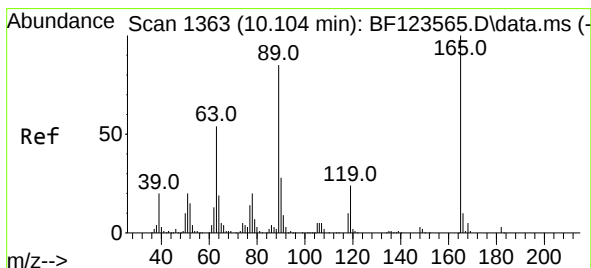
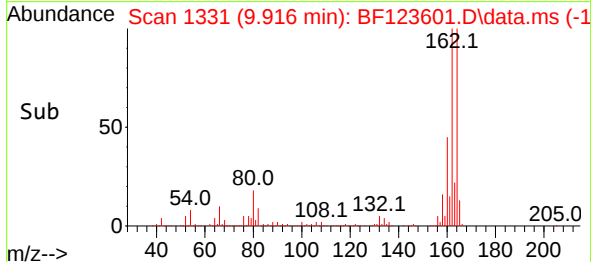
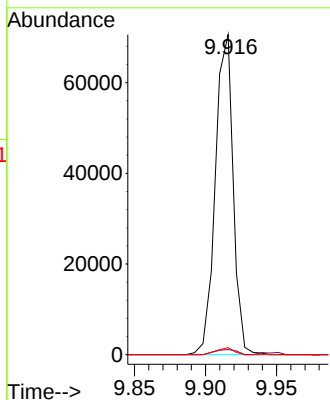
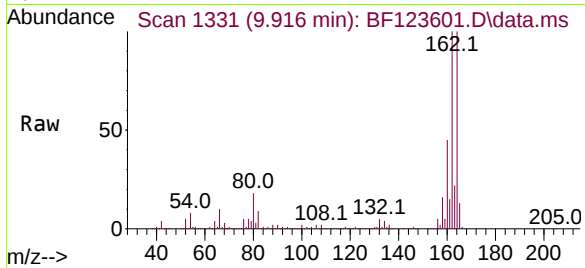




#51
2,6-Dinitrotoluene
Concen: 8.87 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.218 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

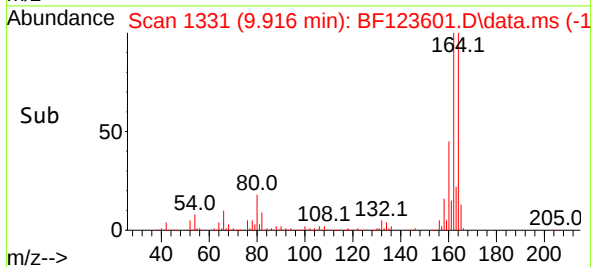
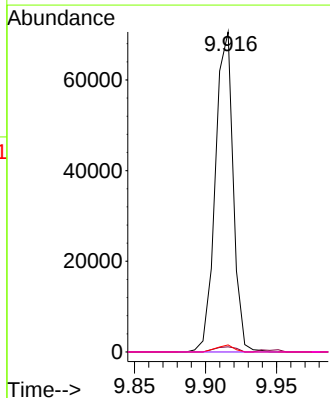
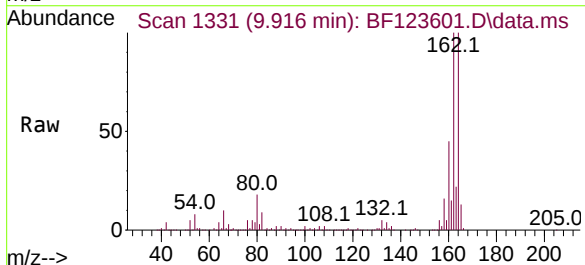
Instrument :
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WC-5

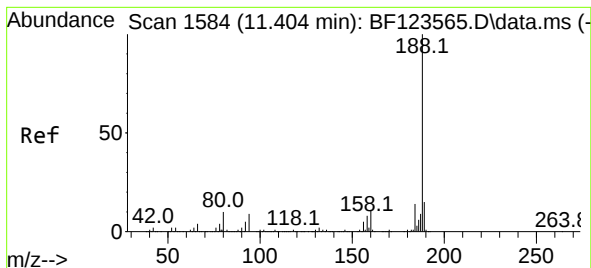
Tgt Ion:165 Resp: 61475
Ion Ratio Lower Upper
165 100
63 1.6 67.7 101.5#
89 2.2 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.64 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

Tgt Ion:165 Resp: 61475
Ion Ratio Lower Upper
165 100
63 1.6 43.5 65.3#
89 2.2 67.7 101.5#
182 0.0 2.1 3.1#

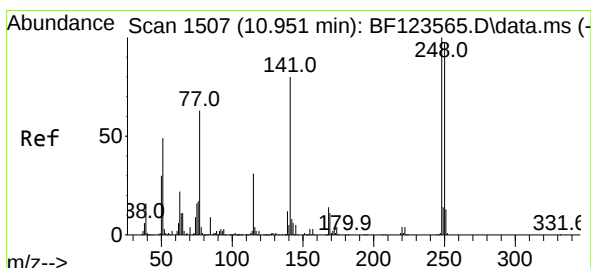
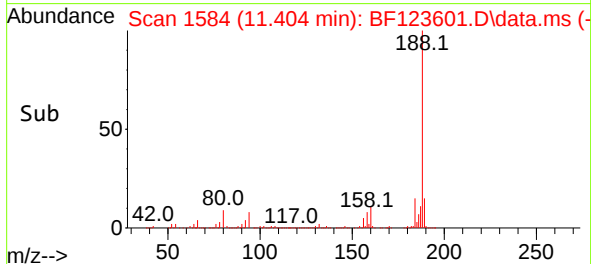
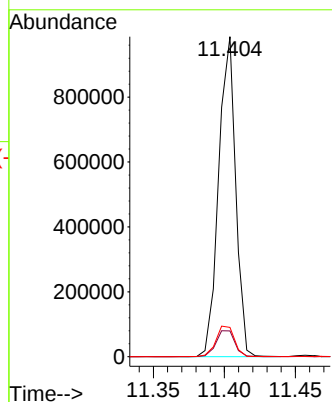
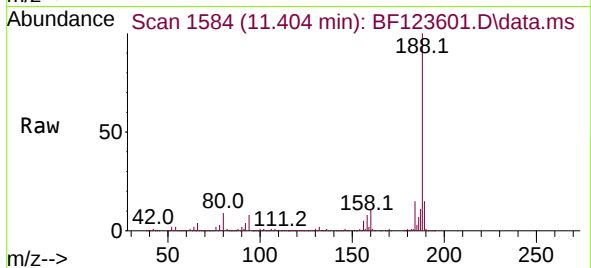




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

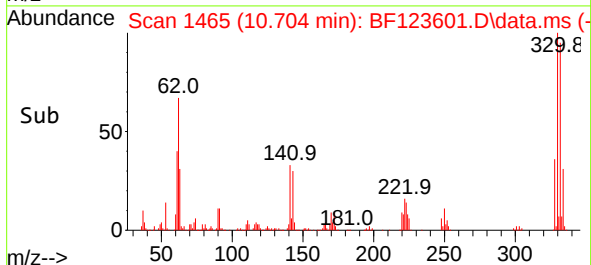
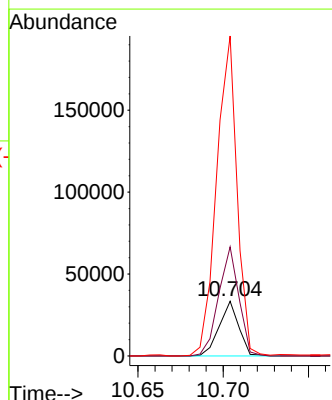
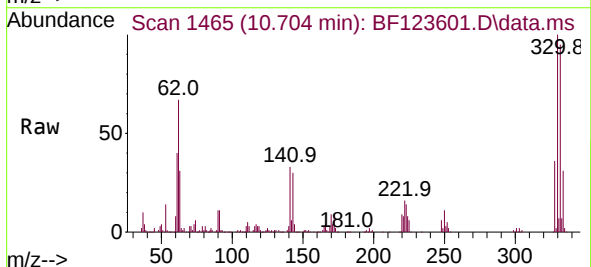
Instrument :
BNA_F
ClientSampled :
WC-5

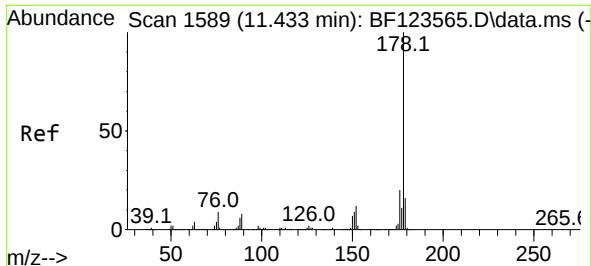
Tgt Ion:188 Resp: 822494
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 9.2 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 3.10 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

Tgt Ion:248 Resp: 26679
Ion Ratio Lower Upper
248 100
250 199.4 77.4 116.2#
141 584.7 63.7 95.5#

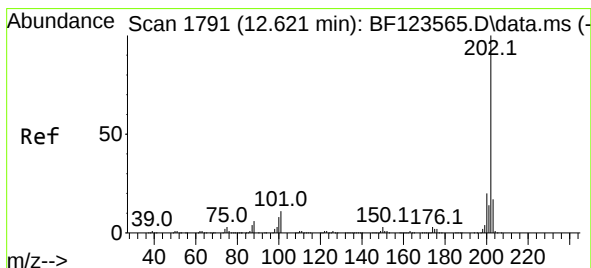
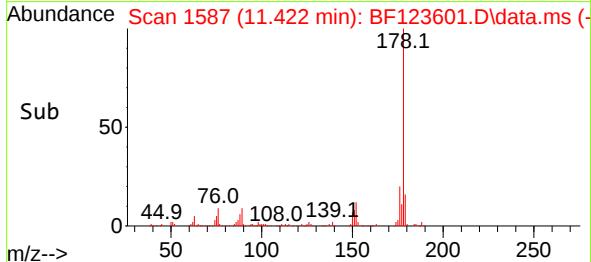
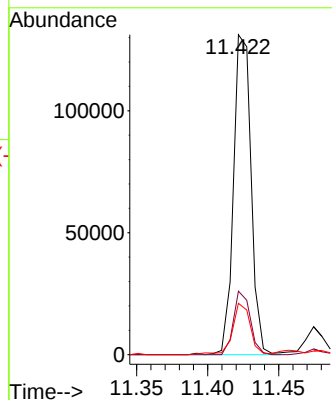
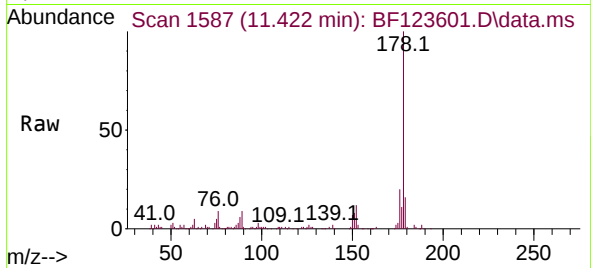




#71
Phenanthrene
Concen: 2.65 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

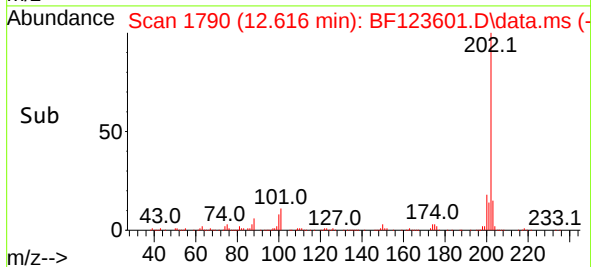
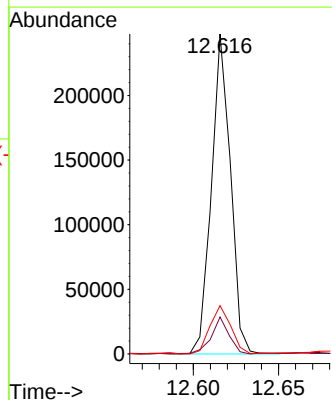
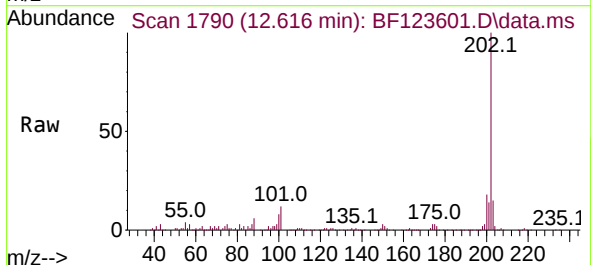
Instrument :
BNA_F
ClientSampleId :
WC-5

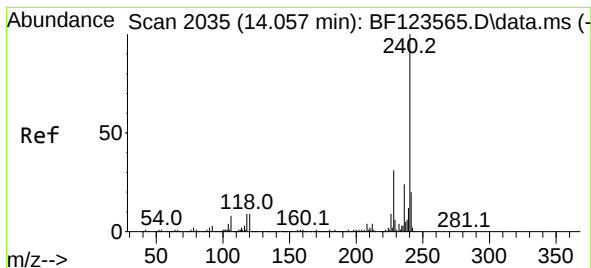
Tgt Ion:178 Resp: 113544
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 16.1 12.5 18.7



#75
Fluoranthene
Concen: 4.08 ng
RT: 12.616 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

Tgt Ion:202 Resp: 192709
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.9
203 15.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF123601.D

Acq: 16 Apr 2021 20:12

Tgt Ion:240 Resp: 433015

Ion Ratio Lower Upper

240 100

120 9.2 7.2 10.8

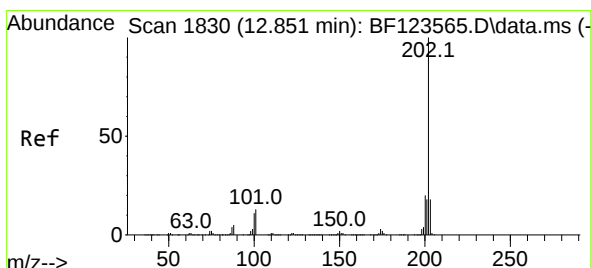
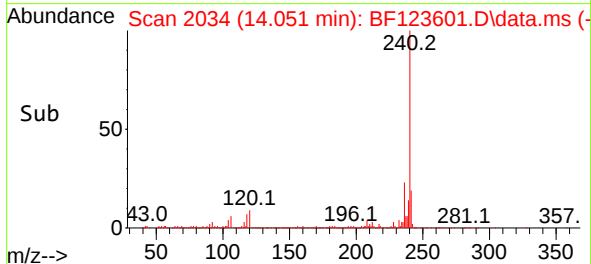
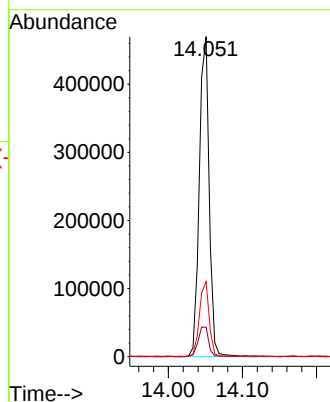
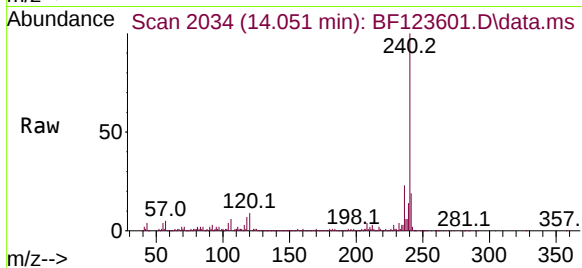
236 23.5 19.0 28.4

Instrument :

BNA_F

ClientSampleId :

WC-5



#78

Pyrene

Concen: 4.92 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF123601.D

Acq: 16 Apr 2021 20:12

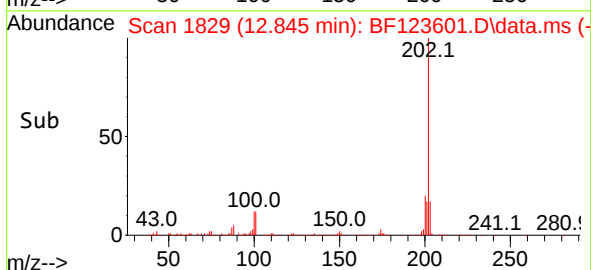
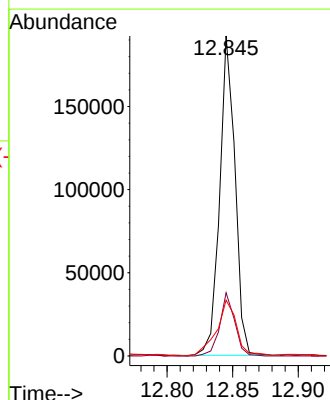
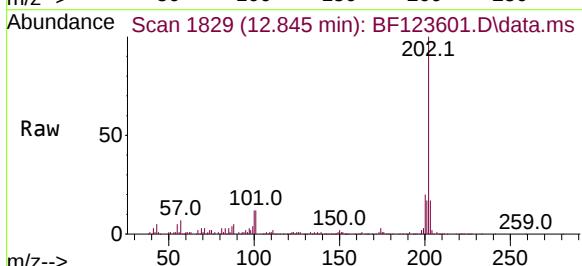
Tgt Ion:202 Resp: 155635

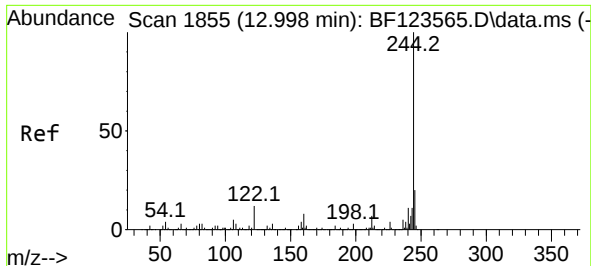
Ion Ratio Lower Upper

202 100

200 19.8 16.1 24.1

203 17.5 14.8 22.2

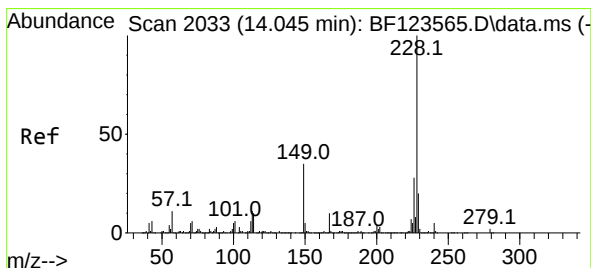
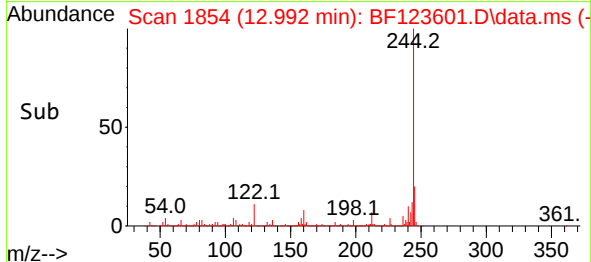
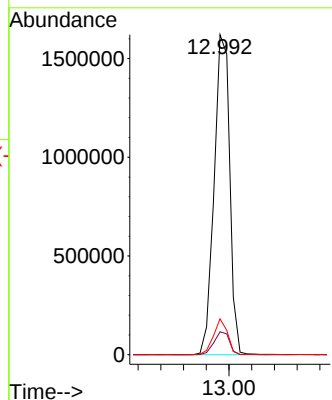
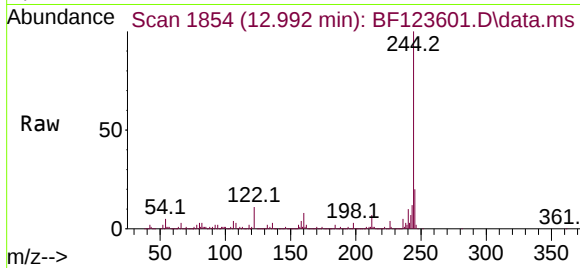




#79
 Terphenyl-d14
 Concen: 69.22 ng
 RT: 12.992 min Scan# 1854
 Delta R.T. -0.006 min
 Lab File: BF123601.D
 Acq: 16 Apr 2021 20:12

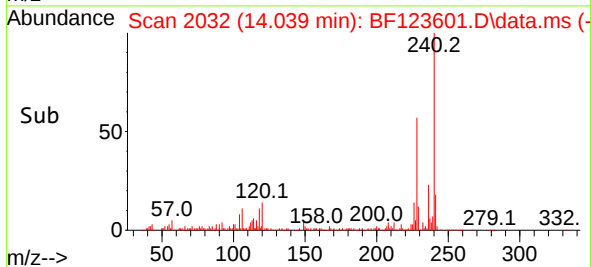
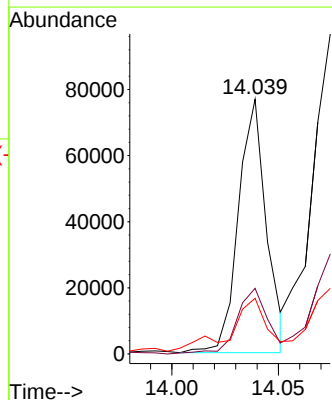
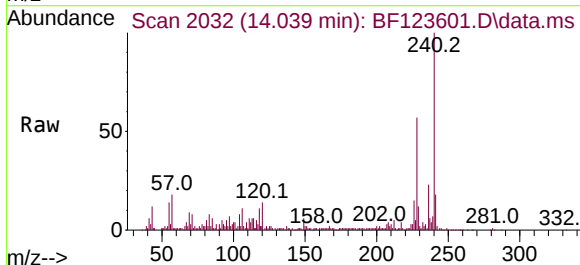
Instrument :
 BNA_F
 ClientSampleId :
 WC-5

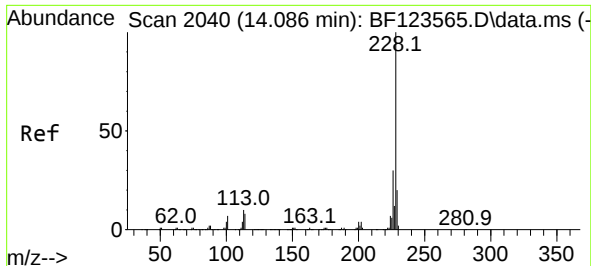
Tgt Ion:244 Resp: 1542115
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 11.2 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 2.65 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF123601.D
 Acq: 16 Apr 2021 20:12

Tgt Ion:228 Resp: 70357
 Ion Ratio Lower Upper
 228 100
 226 25.8 22.4 33.6
 229 21.9 16.0 24.0

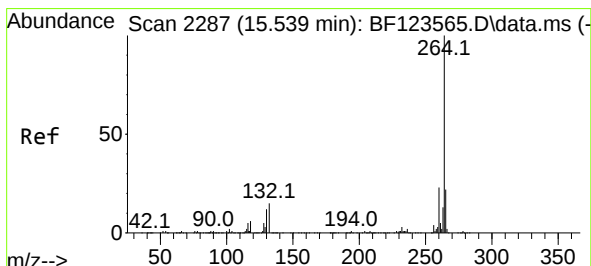
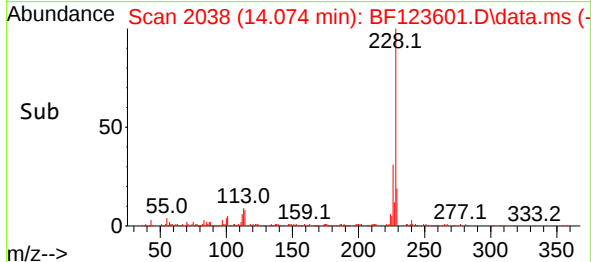
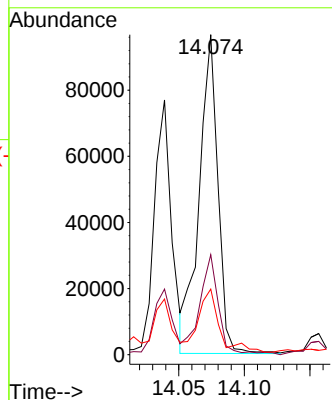
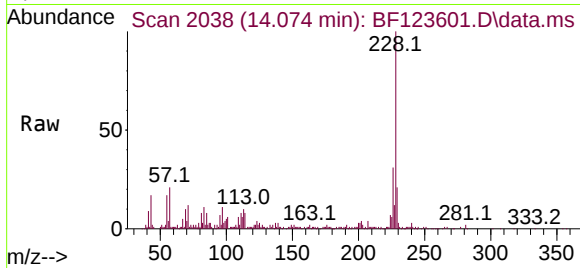




#83
Chrysene
Concen: 3.62 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

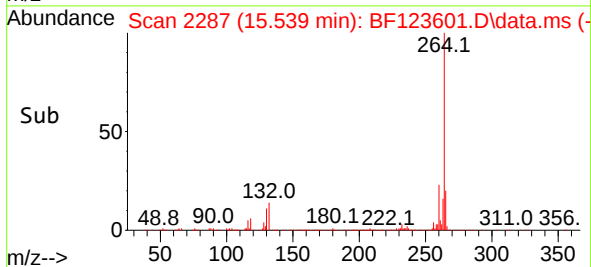
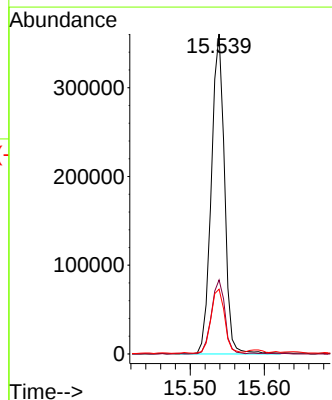
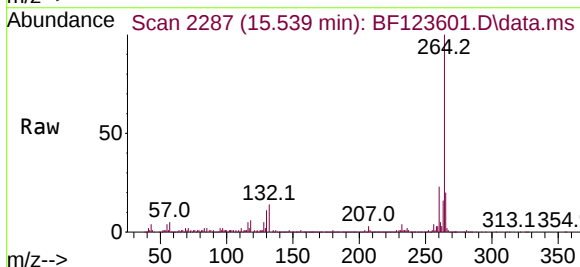
Instrument :
BNA_F
ClientSampleId :
WC-5

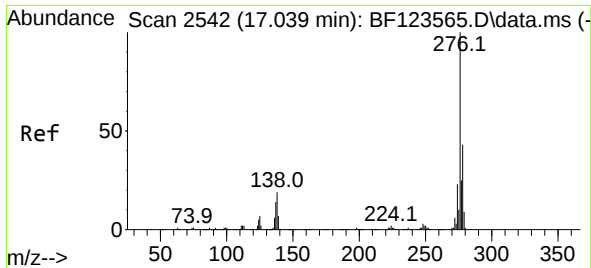
Tgt Ion:228 Resp: 96464
Ion Ratio Lower Upper
228 100
226 31.3 24.3 36.5
229 20.5 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.539 min Scan# 2287
Delta R.T. 0.000 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

Tgt Ion:264 Resp: 446108
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 20.3 17.8 26.8

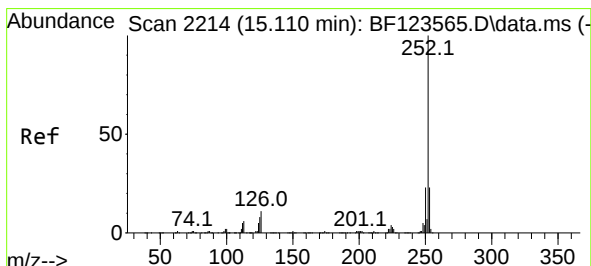
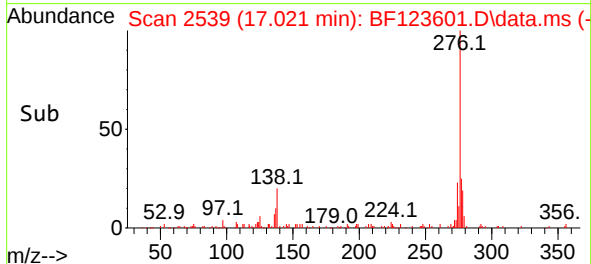
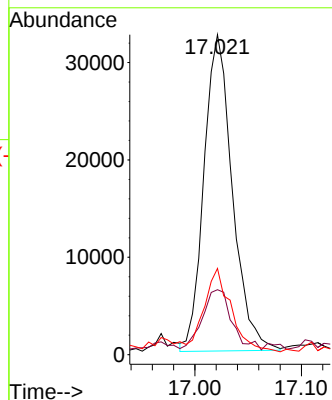
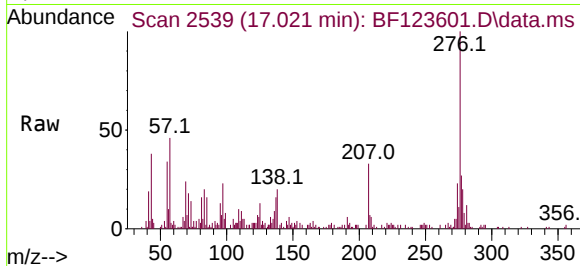




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.53 ng
RT: 17.021 min Scan# 2539
Delta R.T. -0.018 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

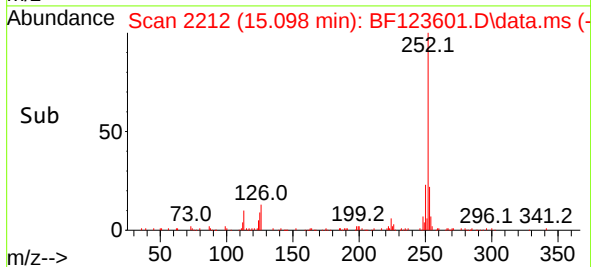
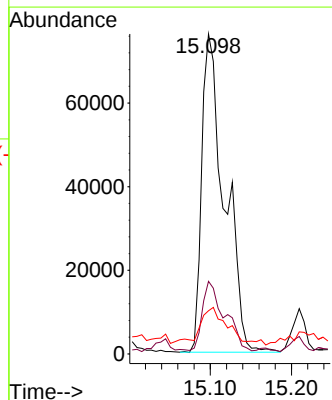
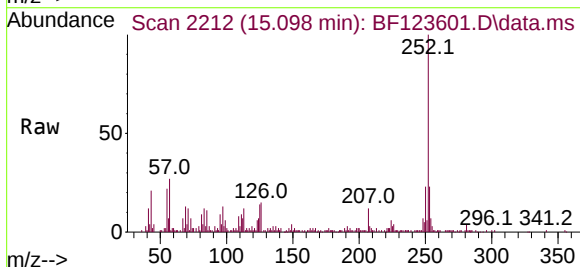
Instrument :
BNA_F
ClientSampleId :
WC-5

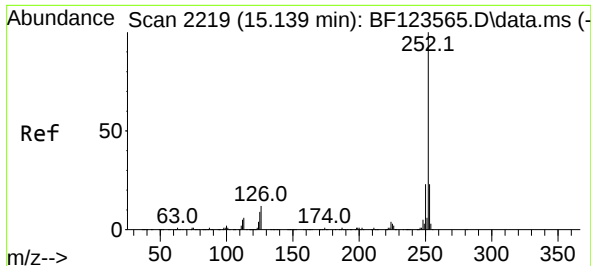
Tgt Ion:276 Resp: 60256
Ion Ratio Lower Upper
276 100
138 19.7 16.2 24.2
277 25.0 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 4.71 ng
RT: 15.098 min Scan# 2212
Delta R.T. -0.012 min
Lab File: BF123601.D
Acq: 16 Apr 2021 20:12

Tgt Ion:252 Resp: 148285
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 13.5 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 3.80 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.041 min

Lab File: BF123601.D

Acq: 16 Apr 2021 20:12

Tgt Ion:252 Resp: 148285

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

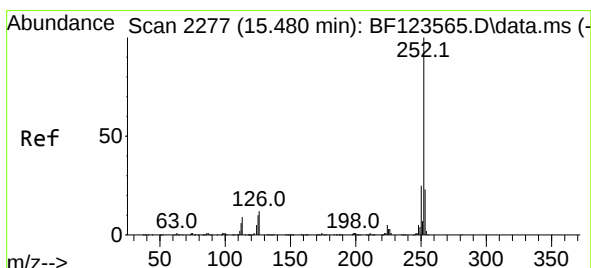
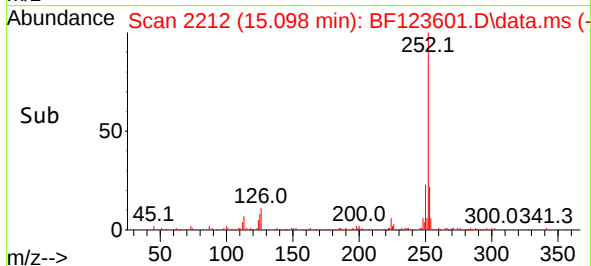
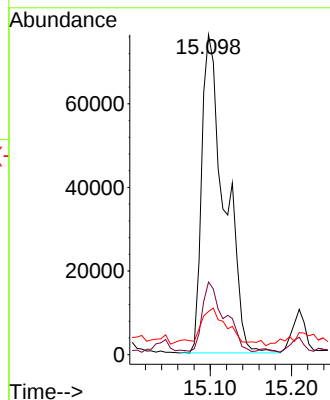
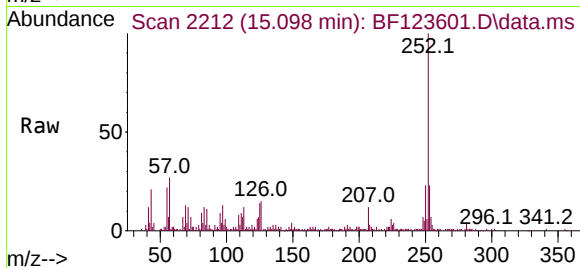
125 13.5 7.0 10.6#

Instrument :

BNA_F

ClientSampleId :

WC-5



#90

Benzo(a)pyrene

Concen: 2.80 ng

RT: 15.468 min Scan# 2275

Delta R.T. -0.012 min

Lab File: BF123601.D

Acq: 16 Apr 2021 20:12

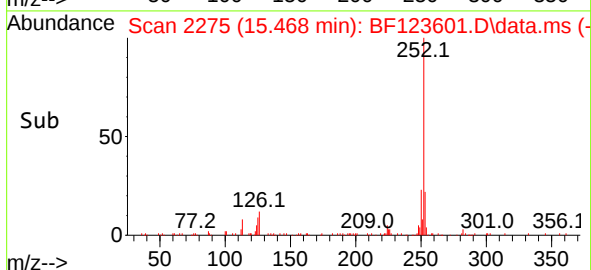
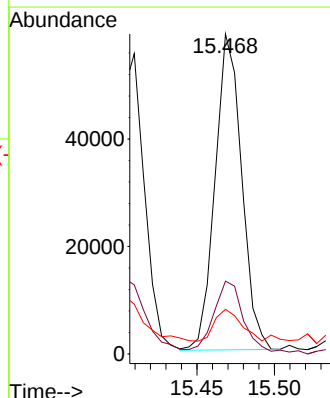
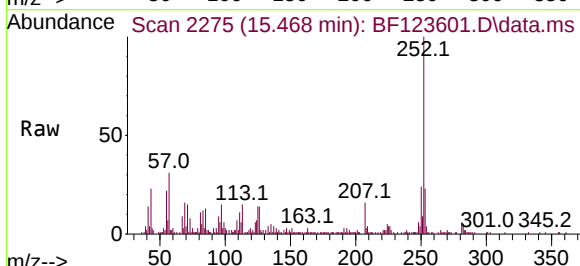
Tgt Ion:252 Resp: 70112

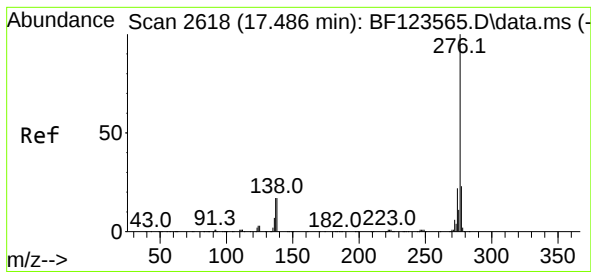
Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

125 14.0 8.0 12.0#





#92
 Benzo(g,h,i)perylene
 Concen: 3.42 ng
 RT: 17.468 min Scan# 2615
 Delta R.T. -0.018 min
 Lab File: BF123601.D
 Acq: 16 Apr 2021 20:12

Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Tgt Ion: 276 Resp: 64681
 Ion Ratio Lower Upper
 276 100
 277 24.2 18.2 27.2
 138 21.0 13.8 20.6#

