

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042021\
 Data File : BF123654.D
 Acq On : 20 Apr 2021 21:22
 Operator : JU/CG
 Sample : M2076-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-17-14.5-15.0

Quant Time: Apr 21 01:22:20 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 20 15:49:40 2021
 Response via : Initial Calibration

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

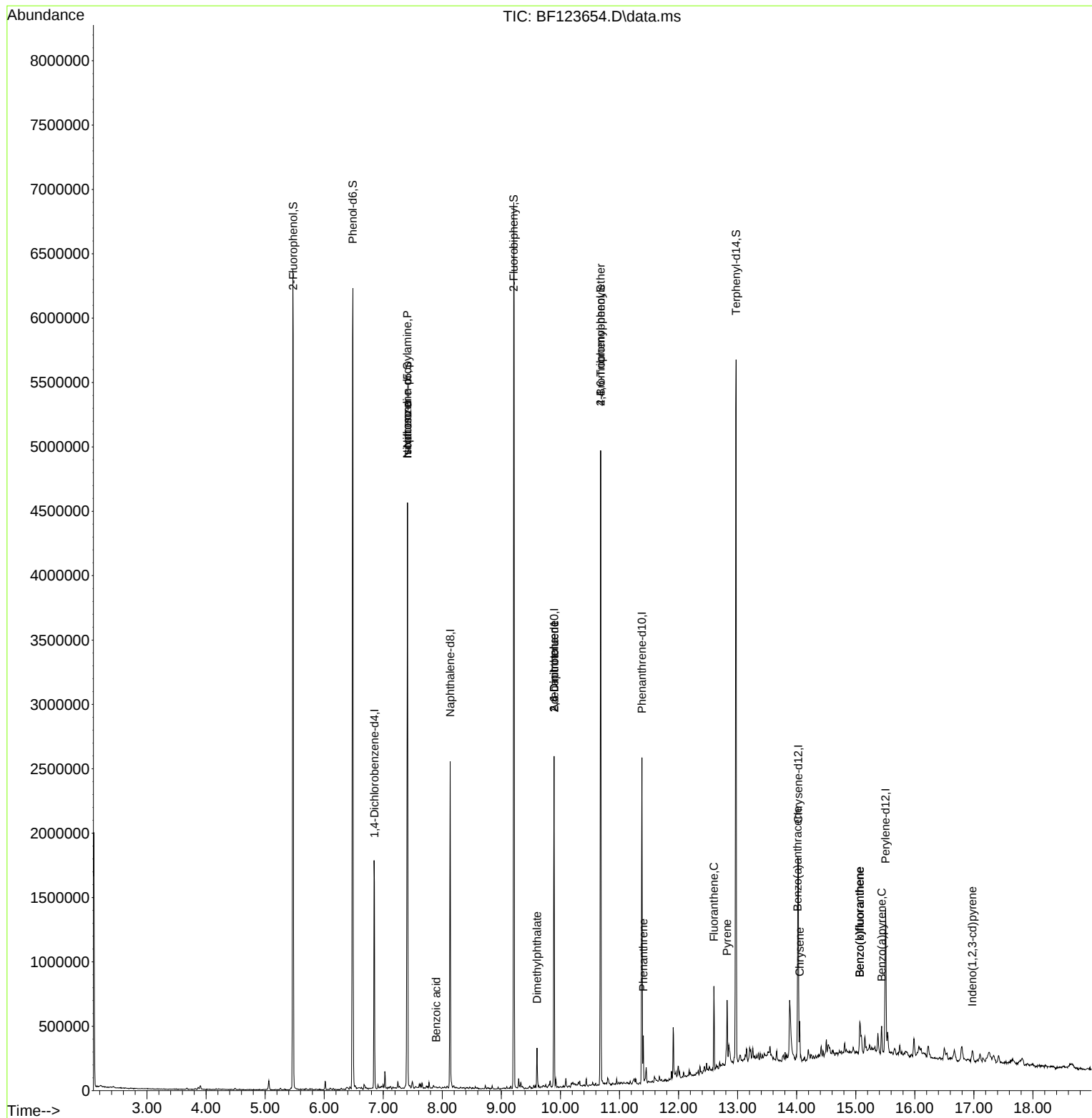
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	235254	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	909406	20.00	ng	# 0.00
39) Acenaphthene-d10	9.892	164	443243	20.00	ng	0.00
64) Phenanthrene-d10	11.380	188	826236	20.00	ng	0.00
76) Chrysene-d12	14.027	240	522863	20.00	ng	0.00
86) Perylene-d12	15.504	264	527962	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1488916	102.29	ng	0.00
7) Phenol-d6	6.487	99	1890051	93.71	ng	0.00
23) Nitrobenzene-d5	7.410	82	1343272	67.90	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	522510	104.10	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	2001771	67.32	ng	0.00
79) Terphenyl-d14	12.974	244	1842178	68.48	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	180918	13.54	ng	# 75
25) Isophorone	7.410	82	1336448	34.82	ng	# 69
32) Benzoic acid	7.898	122	125	4.56	ng	# 77
50) Dimethylphthalate	9.604	163	93529	3.05	ng	99
51) 2,6-Dinitrotoluene	9.892	165	56358	8.38	ng	# 11
57) 2,4-Dinitrotoluene	9.892	165	56358	6.28	ng	# 17
67) 4-Bromophenyl-phenylether	10.680	248	30341	3.51	ng	# 1
71) Phenanthrene	11.404	178	115127	2.67	ng	100
75) Fluoranthene	12.598	202	216848	4.58	ng	97
78) Pyrene	12.821	202	196766	5.16	ng	98
81) Benzo(a)anthracene	14.015	228	124642	3.89	ng	100
83) Chrysene	14.051	228	108432	3.37	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	57369	2.04	ng	# 91
88) Benzo(b)fluoranthene	15.068	252	183203	4.91	ng	# 94
89) Benzo(k)fluoranthene	15.068	252	183203	4.04	ng	# 95
90) Benzo(a)pyrene	15.439	252	99949	3.37	ng	95

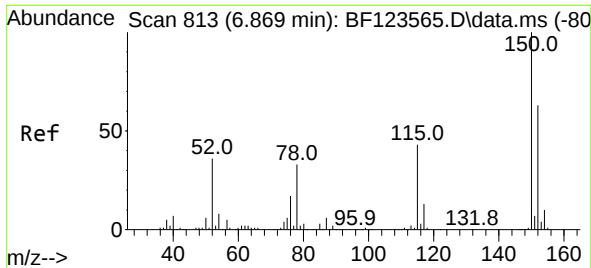
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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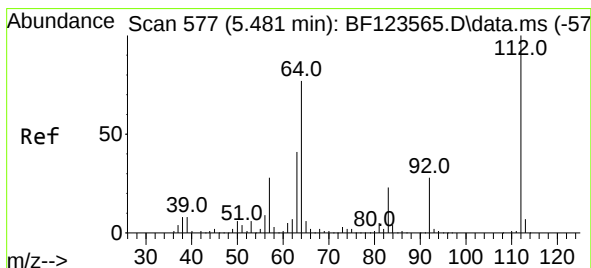
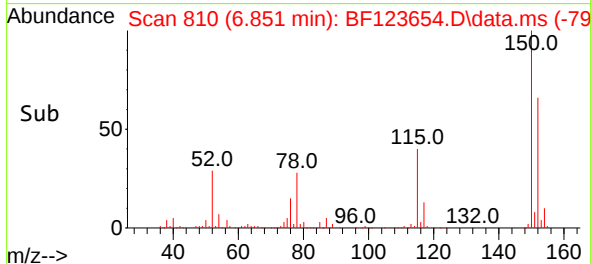
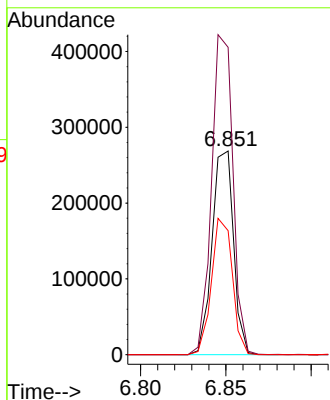
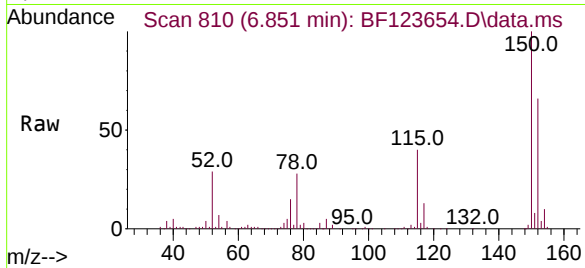




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

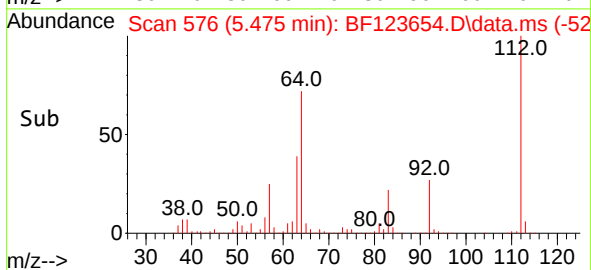
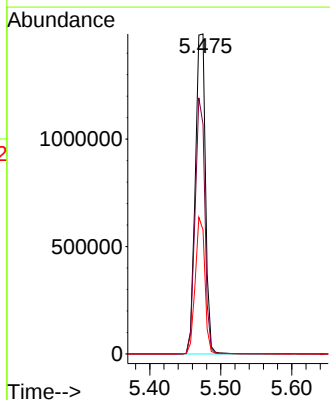
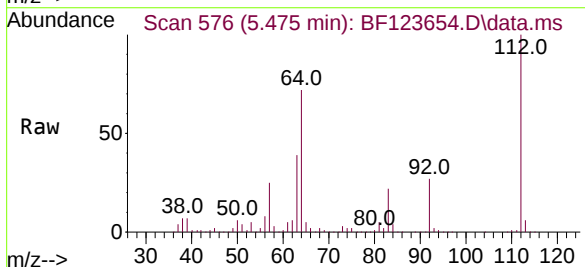
Instrument :
BNA_F
ClientSampleId :
SB-17-14.5-15.0

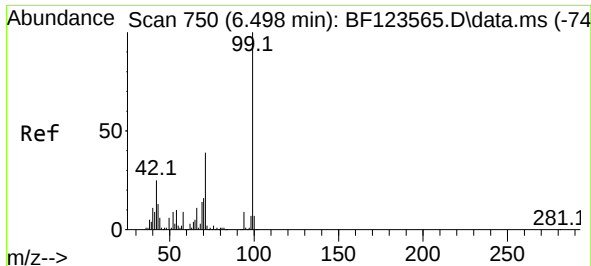
Tgt Ion:152 Resp: 235254
Ion Ratio Lower Upper
152 100
150 150.8 127.0 190.6
115 60.9 54.3 81.5



#5
2-Fluorophenol
Concen: 102.29 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

Tgt Ion:112 Resp: 1488916
Ion Ratio Lower Upper
112 100
64 71.8 61.4 92.0
63 38.8 33.0 49.4

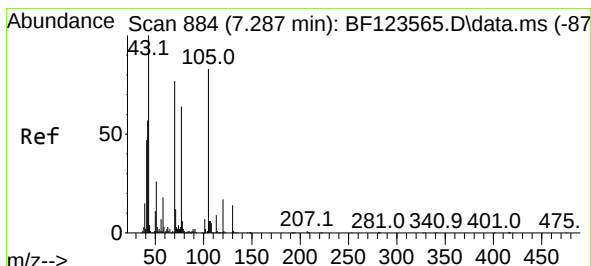
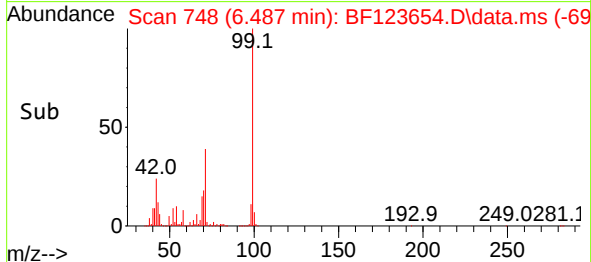
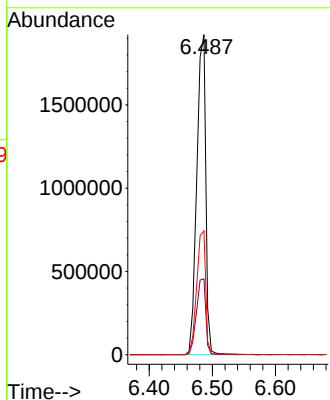
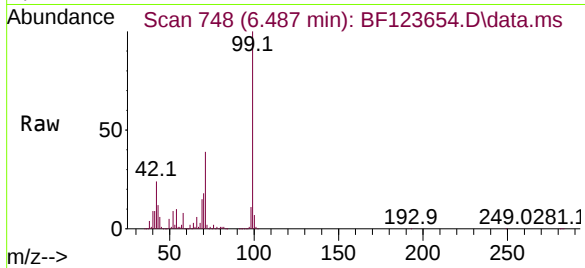




#7
Phenol-d6
Concen: 93.71 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

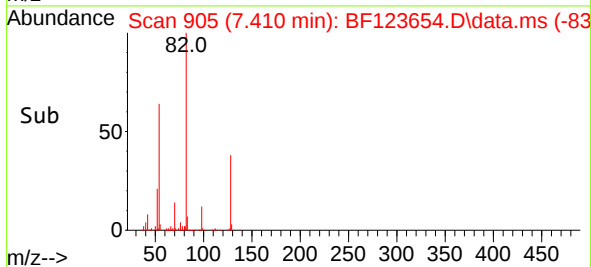
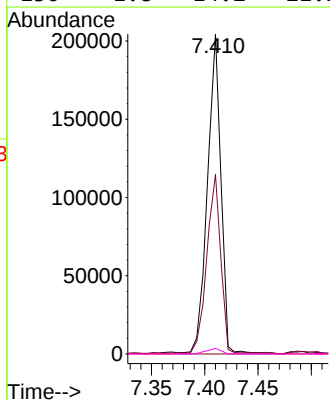
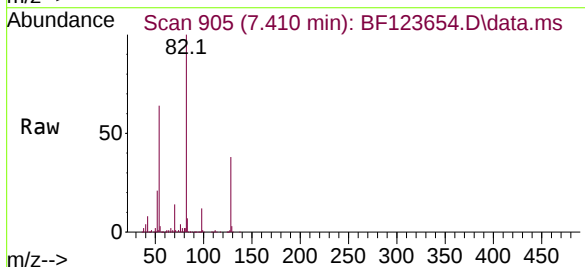
Instrument :
BNA_F
ClientSampleId :
SB-17-14.5-15.0

Tgt Ion: 99 Resp: 1890051
Ion Ratio Lower Upper
99 100
42 23.7 19.8 29.8
71 38.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.54 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

Tgt Ion: 70 Resp: 180918
Ion Ratio Lower Upper
70 100
42 56.1 60.1 90.1#
101 0.0 7.4 11.2#
130 1.8 14.2 21.2#

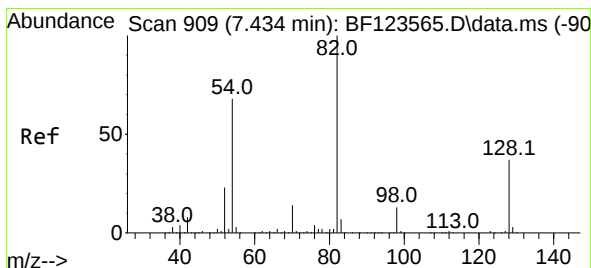
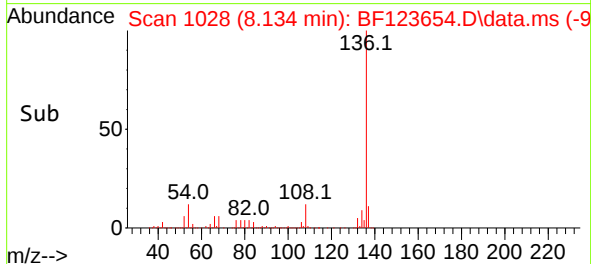
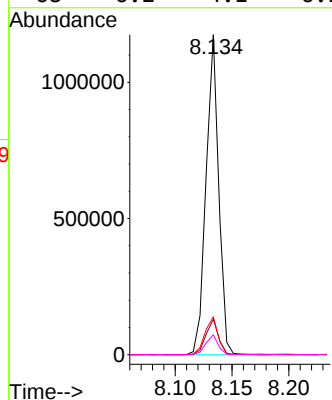
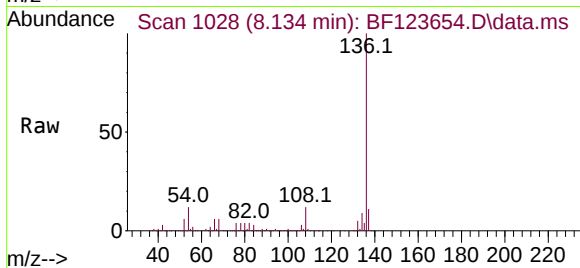




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

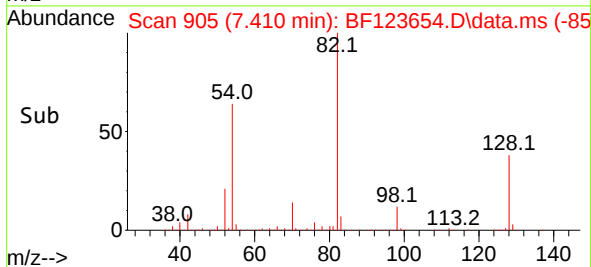
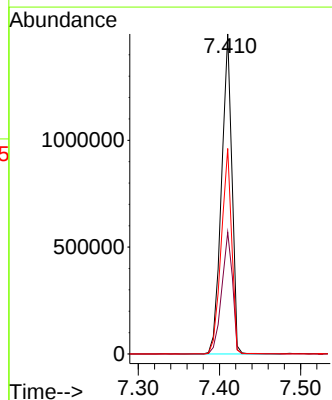
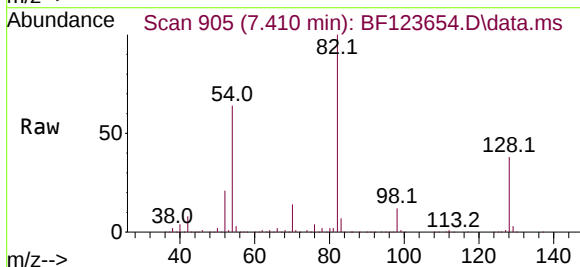
Instrument :
BNA_F
ClientSampleId :
SB-17-14.5-15.0

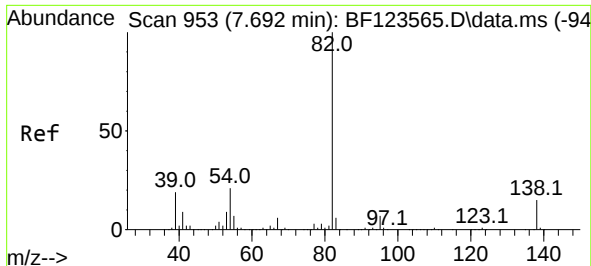
Tgt Ion:136 Resp: 909406
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 11.8 9.8 14.6
68 6.2 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 67.90 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

Tgt Ion: 82 Resp: 1343272
Ion Ratio Lower Upper
82 100
128 38.0 29.4 44.2
54 64.2 54.1 81.1

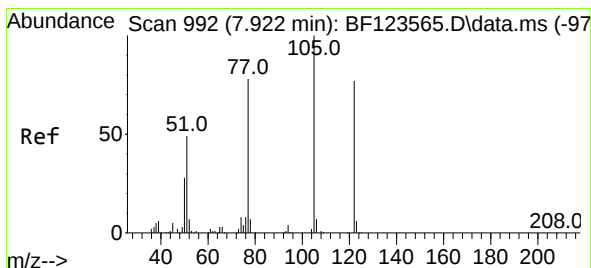
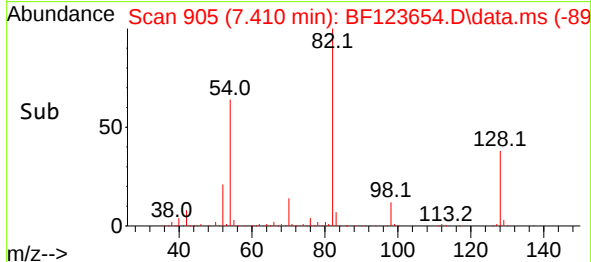
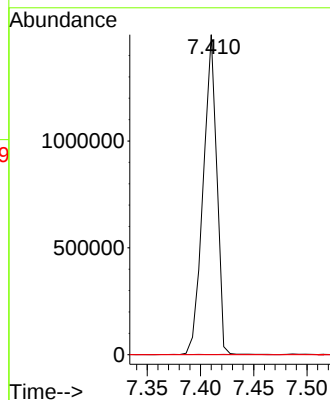
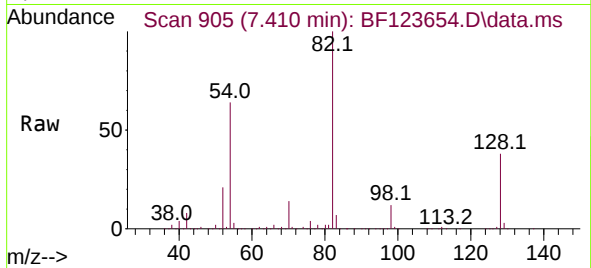




#25
Isophorone
Concen: 34.82 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

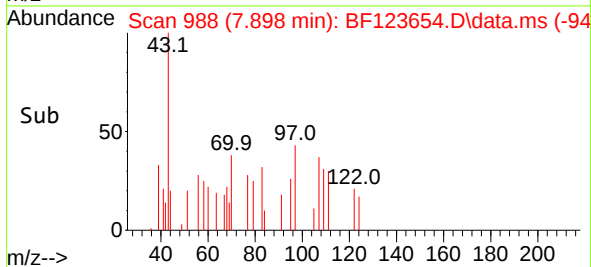
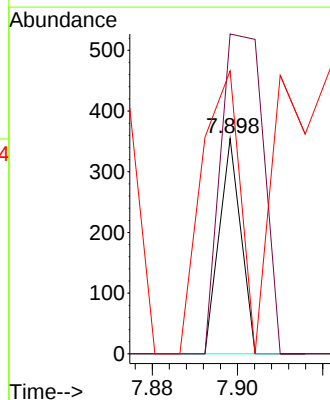
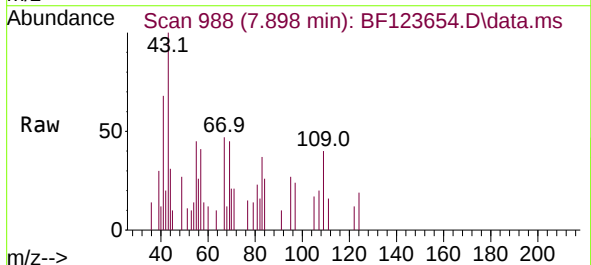
Instrument :
BNA_F
ClientSampleId :
SB-17-14.5-15.0

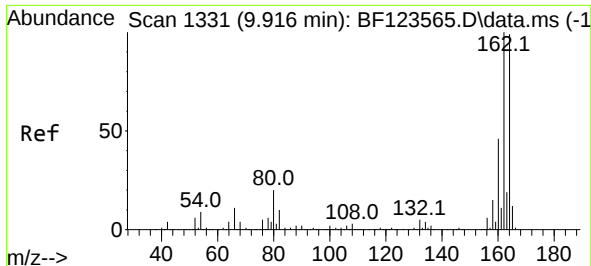
Tgt Ion: 82 Resp: 1336448
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 4.56 ng
RT: 7.898 min Scan# 988
Delta R.T. -0.018 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

Tgt Ion: 122 Resp: 125
Ion Ratio Lower Upper
122 100
105 148.5 107.8 147.8#
77 131.3 81.6 121.6#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.892 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF123654.D

Acq: 20 Apr 2021 21:22

Tgt Ion:164 Resp: 443243

Ion Ratio Lower Upper

164 100

162 102.2 80.7 121.1

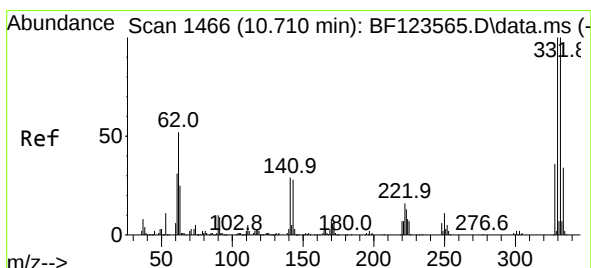
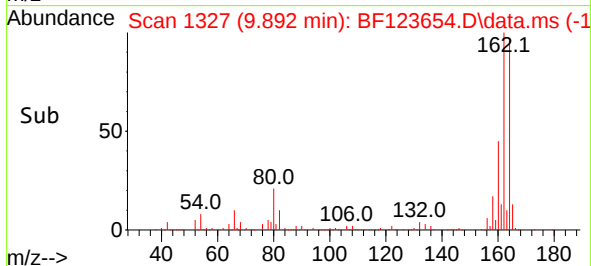
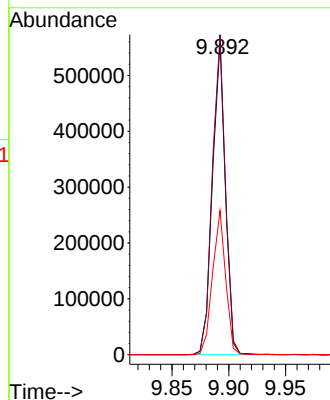
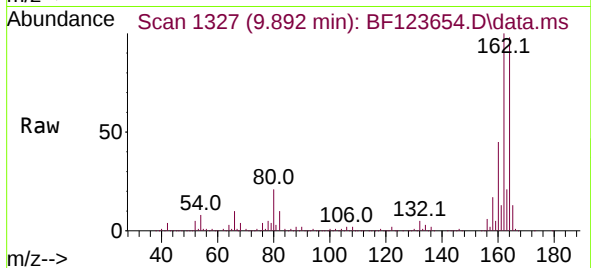
160 46.0 37.3 55.9

Instrument :

BNA_F

ClientSampleId :

SB-17-14.5-15.0



#42

2,4,6-Tribromophenol

Concen: 104.10 ng

RT: 10.680 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF123654.D

Acq: 20 Apr 2021 21:22

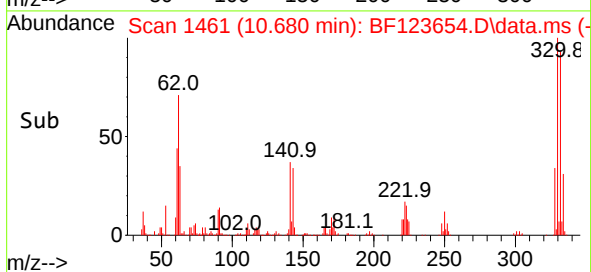
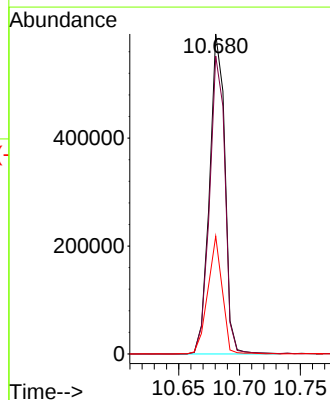
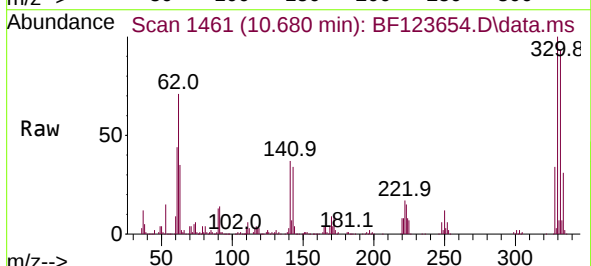
Tgt Ion:330 Resp: 522510

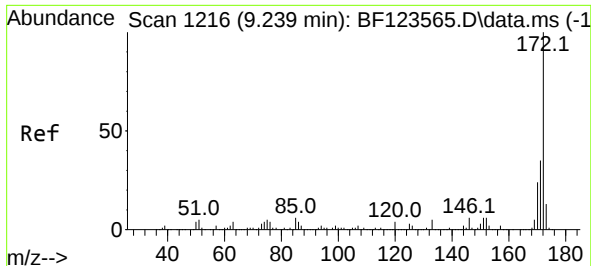
Ion Ratio Lower Upper

330 100

332 93.7 77.1 115.7

141 34.6 27.9 41.9

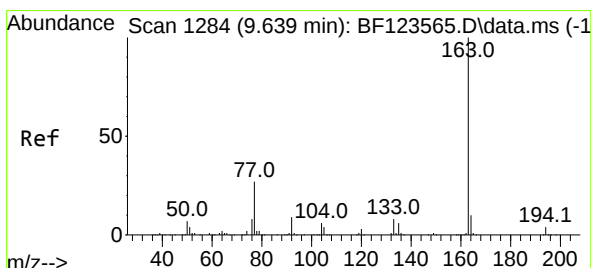
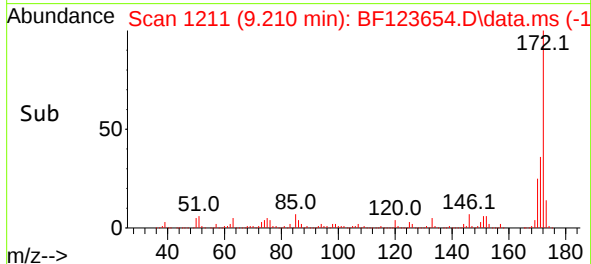
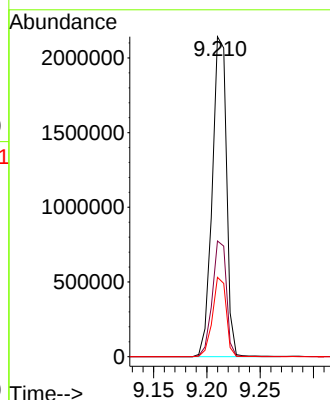
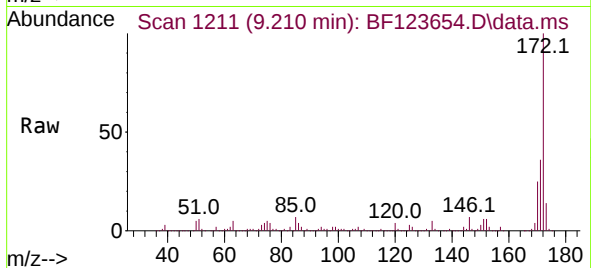




#45
2-Fluorobiphenyl
Concen: 67.32 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

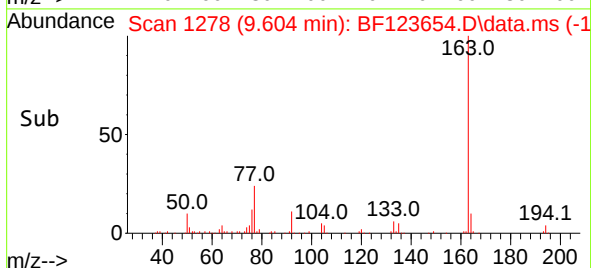
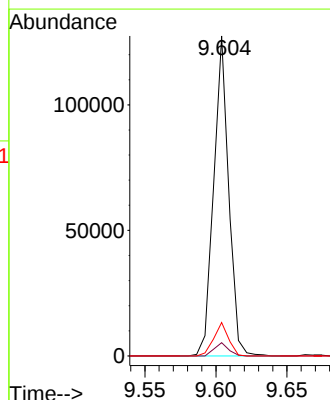
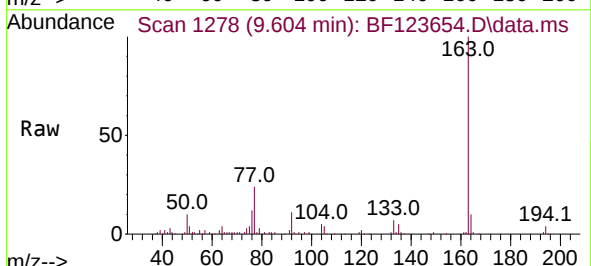
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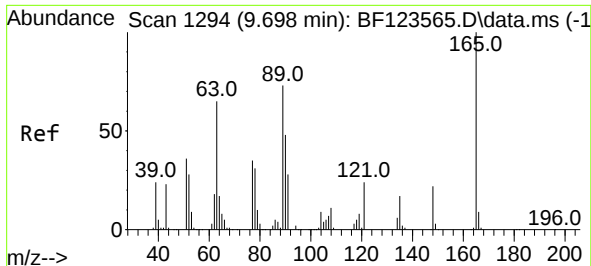
Tgt Ion:172 Resp: 2001771
Ion Ratio Lower Upper
172 100
171 36.1 28.1 42.1
170 24.8 19.2 28.8



#50
Dimethylphthalate
Concen: 3.05 ng
RT: 9.604 min Scan# 1278
Delta R.T. -0.018 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

Tgt Ion:163 Resp: 93529
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.5 8.2 12.2

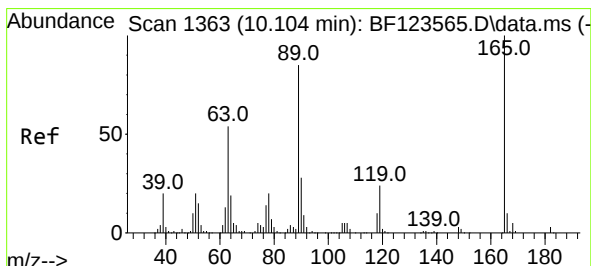
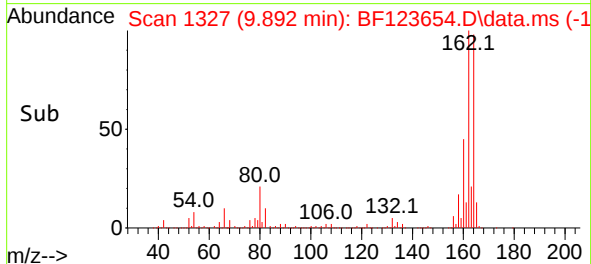
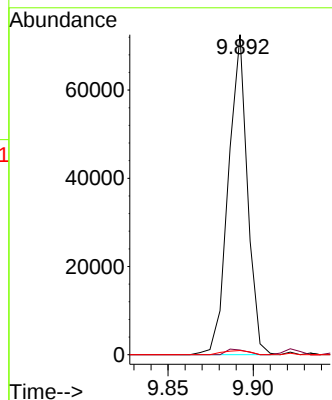
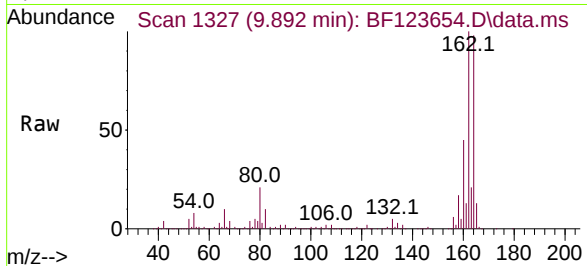




#51
2,6-Dinitrotoluene
Concen: 8.38 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

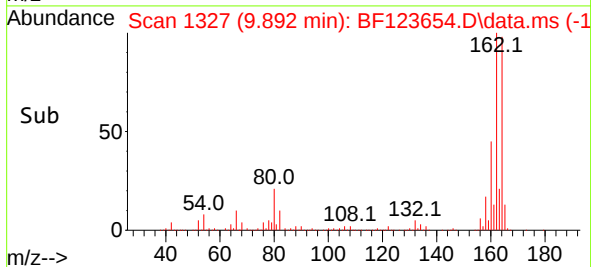
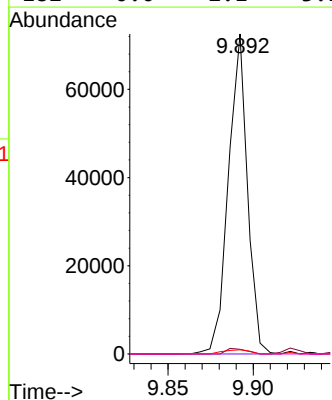
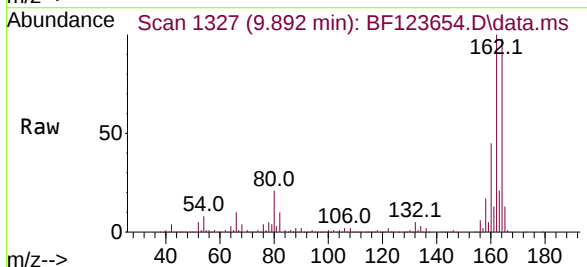
Instrument :
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SB-17-14.5-15.0

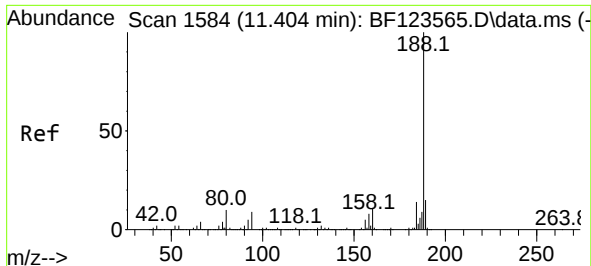
Tgt Ion:165 Resp: 56358
Ion Ratio Lower Upper
165 100
63 1.5 67.7 101.5#
89 1.3 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.28 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.188 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

Tgt Ion:165 Resp: 56358
Ion Ratio Lower Upper
165 100
63 1.5 43.5 65.3#
89 1.3 67.7 101.5#
182 0.0 2.1 3.1#

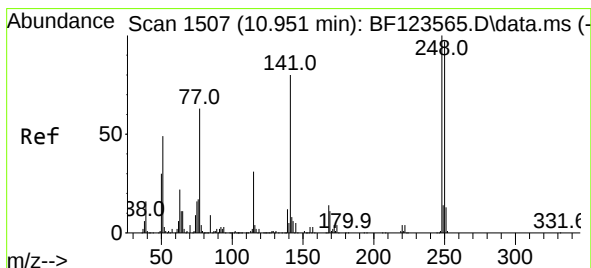
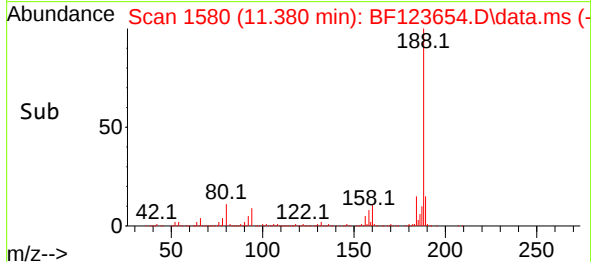
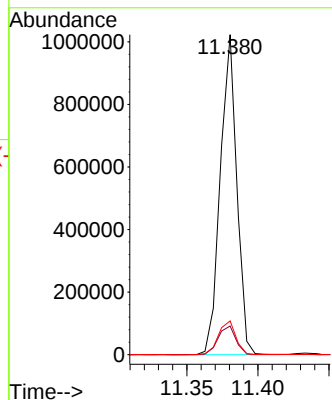
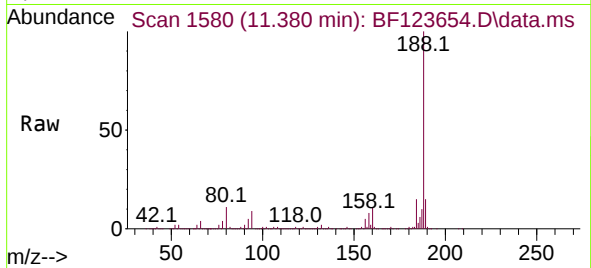




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

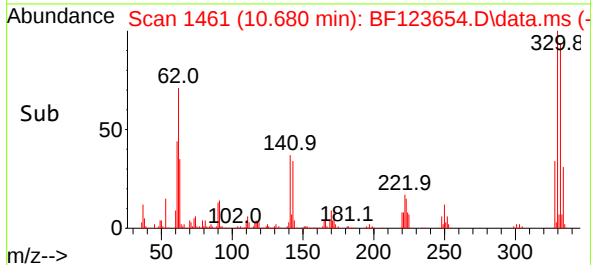
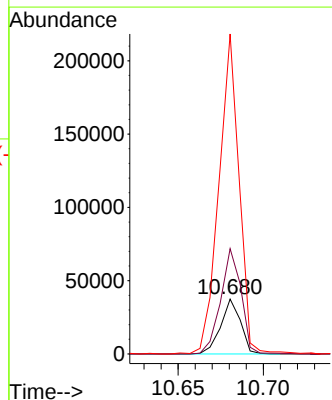
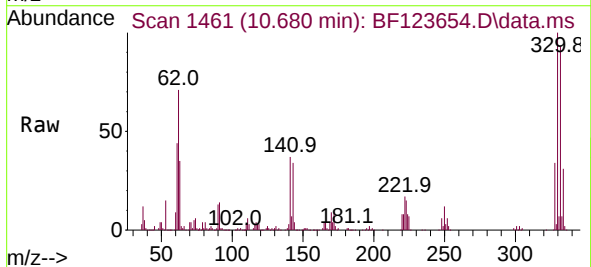
Instrument :
BNA_F
ClientSampleId :
SB-17-14.5-15.0

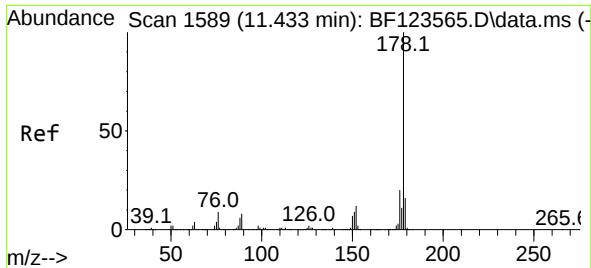
Tgt Ion:188 Resp: 826236
Ion Ratio Lower Upper
188 100
94 9.0 6.9 10.3
80 10.6 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 3.51 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

Tgt Ion:248 Resp: 30341
Ion Ratio Lower Upper
248 100
250 191.5 77.4 116.2#
141 582.5 63.7 95.5#

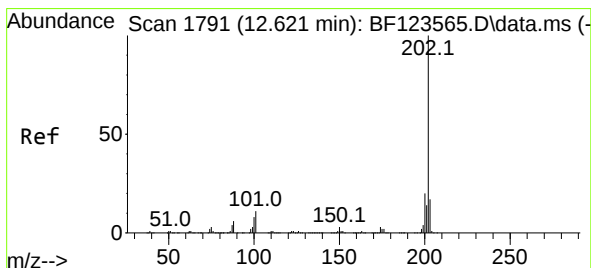
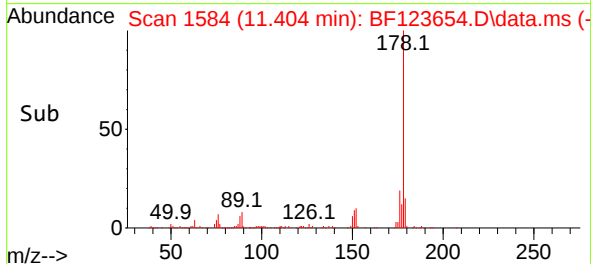
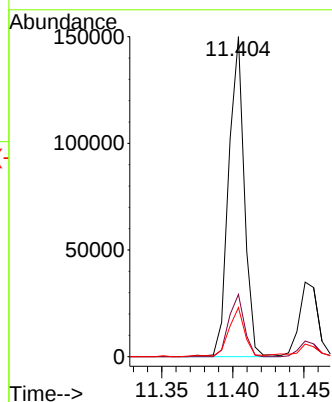
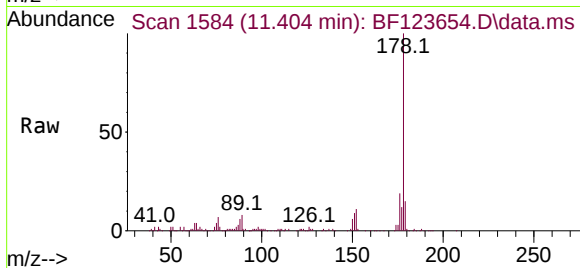




#71
Phenanthrene
Concen: 2.67 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

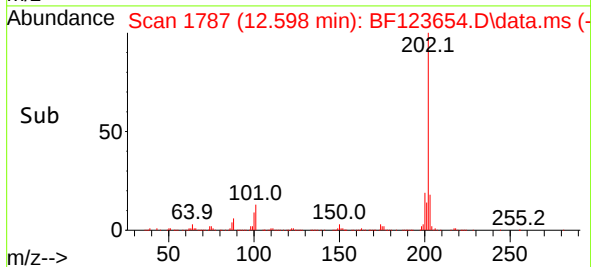
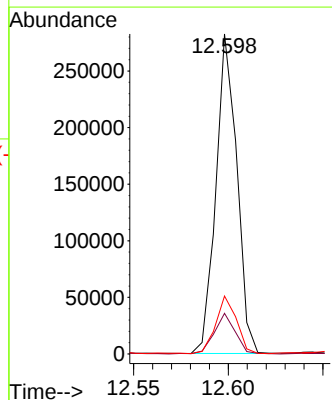
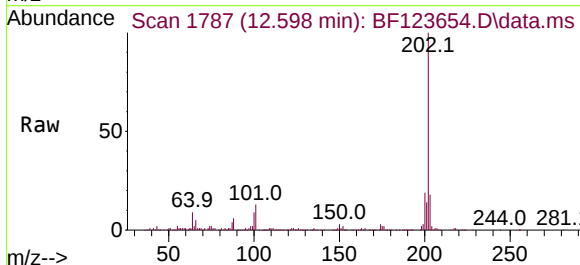
Instrument :
BNA_F
ClientSampleId :
SB-17-14.5-15.0

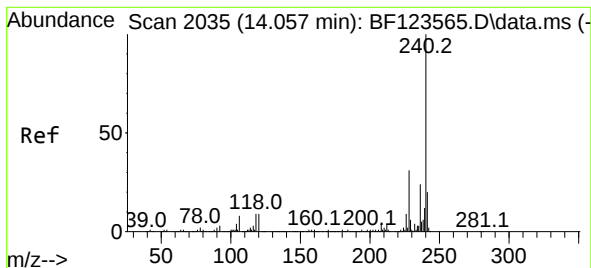
Tgt Ion:178 Resp: 115127
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.4 12.5 18.7



#75
Fluoranthene
Concen: 4.58 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

Tgt Ion:202 Resp: 216848
Ion Ratio Lower Upper
202 100
101 12.7 0.0 30.9
203 18.1 0.0 37.5

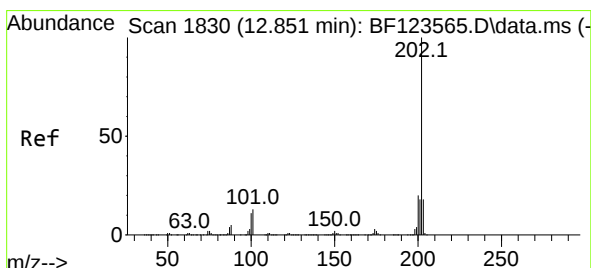
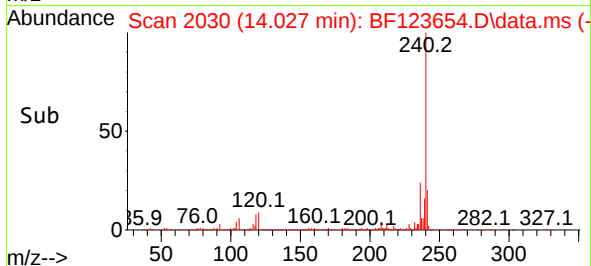
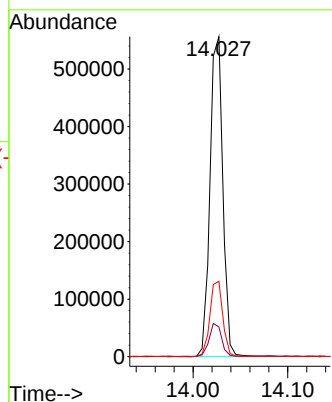
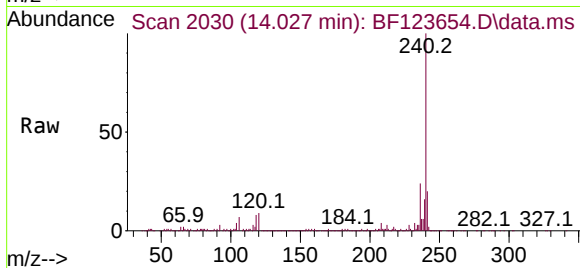




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

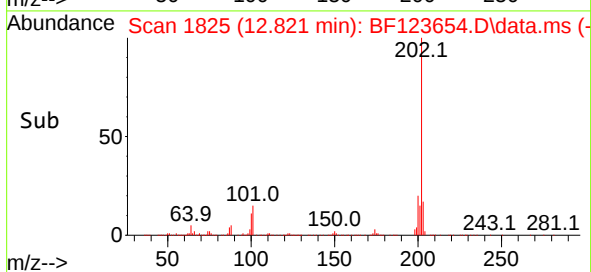
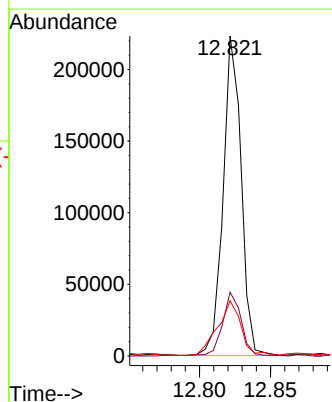
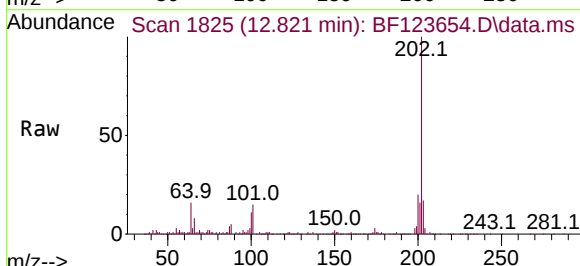
Instrument :
BNA_F
ClientSampleId :
SB-17-14.5-15.0

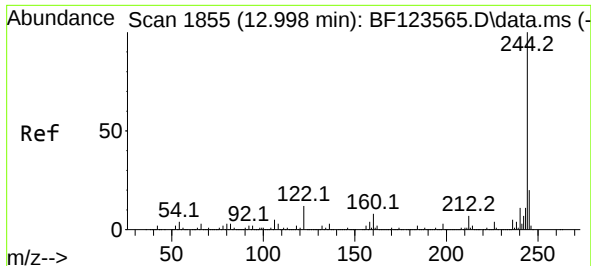
Tgt Ion:240 Resp: 522863
Ion Ratio Lower Upper
240 100
120 9.3 7.2 10.8
236 23.6 19.0 28.4



#78
Pyrene
Concen: 5.16 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

Tgt Ion:202 Resp: 196766
Ion Ratio Lower Upper
202 100
200 19.9 16.1 24.1
203 17.3 14.8 22.2

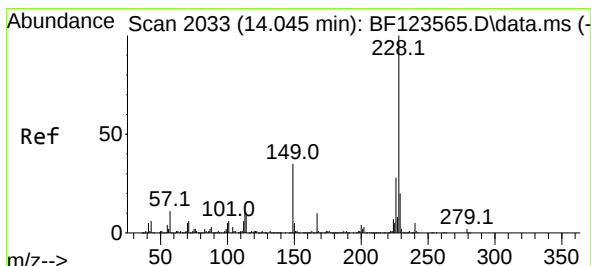
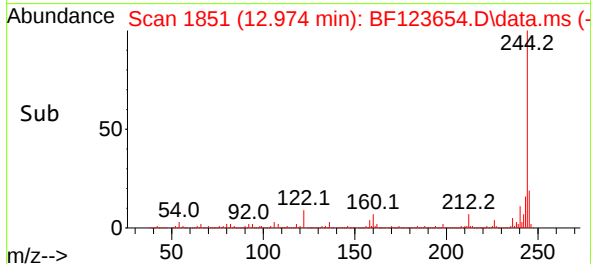
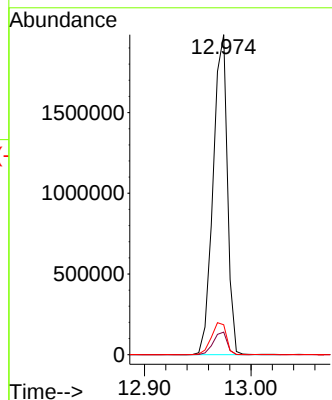
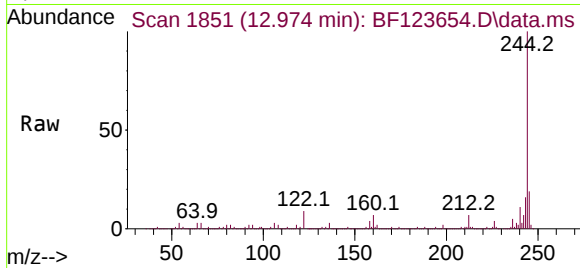




#79
Terphenyl-d14
Concen: 68.48 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.000 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

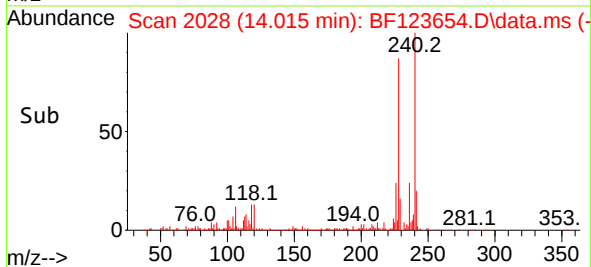
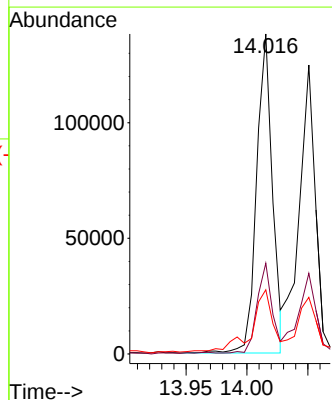
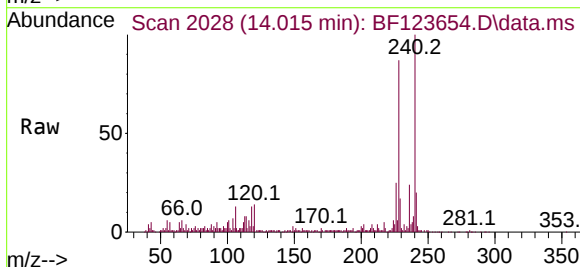
Instrument :
BNA_F
ClientSampleId :
SB-17-14.5-15.0

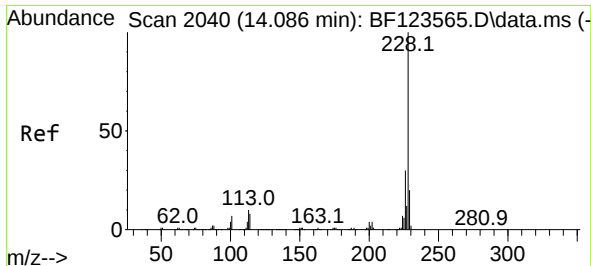
Tgt Ion:244 Resp: 1842178
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 9.4 9.7 14.5#



#81
Benzo(a)anthracene
Concen: 3.89 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

Tgt Ion:228 Resp: 124642
Ion Ratio Lower Upper
228 100
226 28.3 22.4 33.6
229 20.0 16.0 24.0

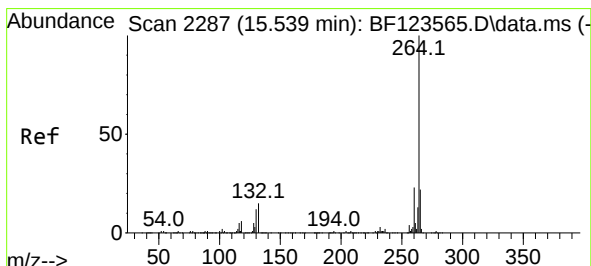
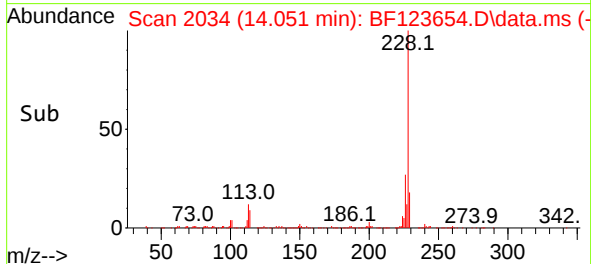
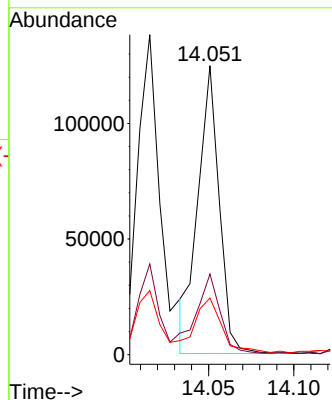
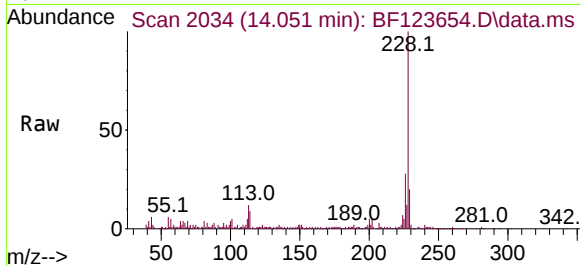




#83
Chrysene
Concen: 3.37 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

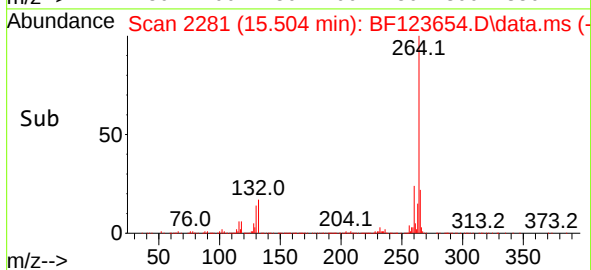
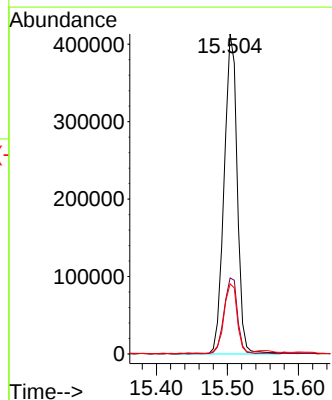
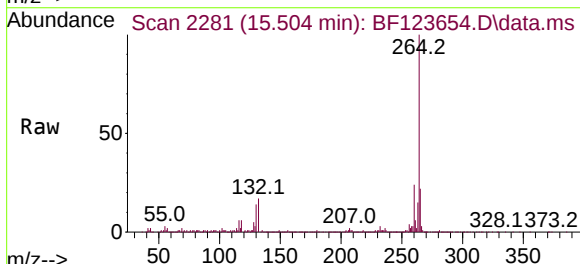
Instrument :
BNA_F
ClientSampleId :
SB-17-14.5-15.0

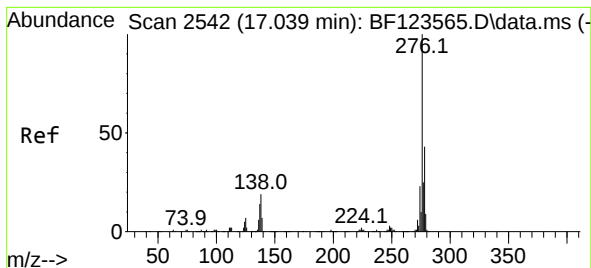
Tgt Ion:228 Resp: 108432
Ion Ratio Lower Upper
228 100
226 27.9 24.3 36.5
229 19.6 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF123654.D
Acq: 20 Apr 2021 21:22

Tgt Ion:264 Resp: 527962
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 21.9 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.04 ng

RT: 16.974 min Scan# 2531

Delta R.T. -0.012 min

Lab File: BF123654.D

Acq: 20 Apr 2021 21:22

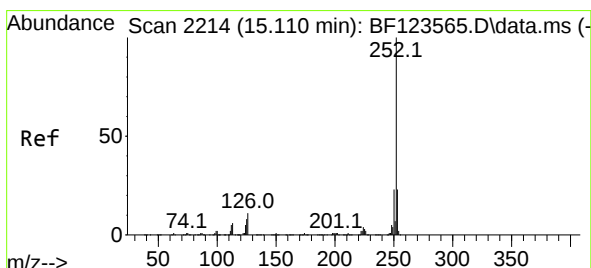
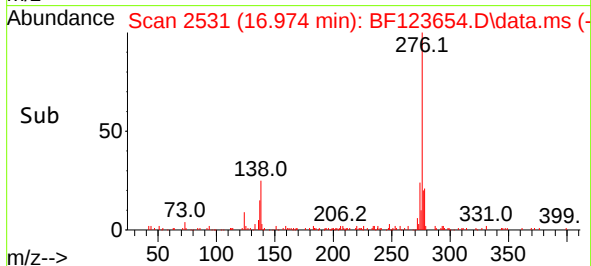
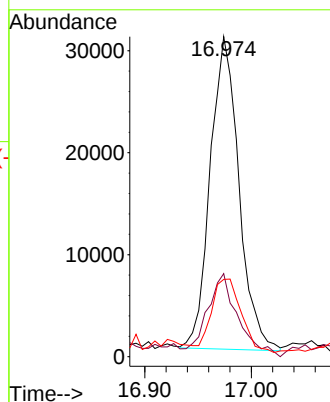
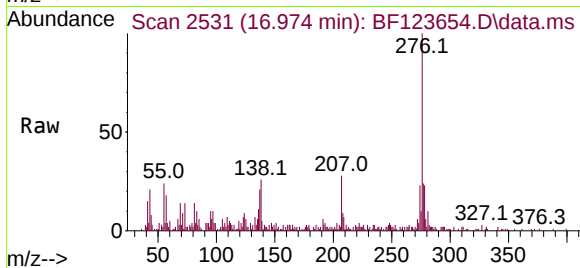
Instrument :

BNA_F

ClientSampleId :

SB-17-14.5-15.0

Tgt Ion:276	Resp:	57369
Ion Ratio	Lower	Upper
276	100	
138	28.9	16.2 24.2#
277	24.9	20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 4.91 ng

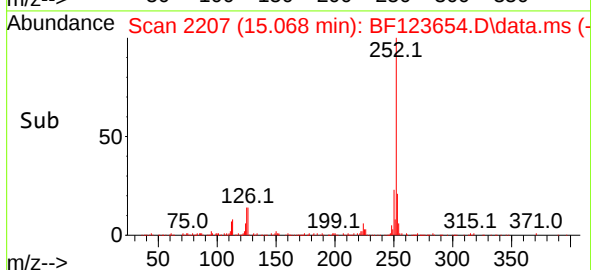
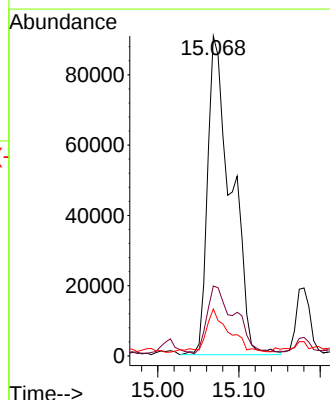
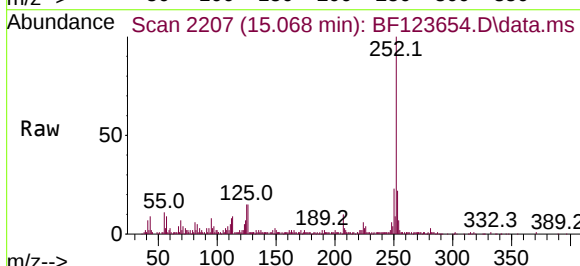
RT: 15.068 min Scan# 2207

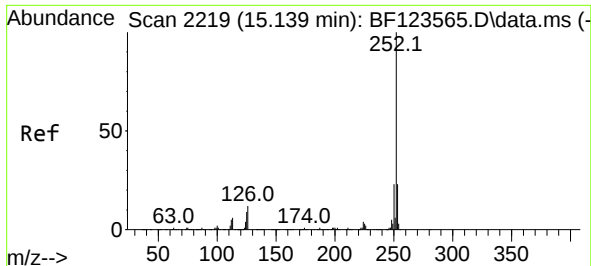
Delta R.T. -0.006 min

Lab File: BF123654.D

Acq: 20 Apr 2021 21:22

Tgt Ion:252	Resp:	183203
Ion Ratio	Lower	Upper
252	100	
253	21.8	18.1 27.1
125	14.7	6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 4.04 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.041 min

Lab File: BF123654.D

Acq: 20 Apr 2021 21:22

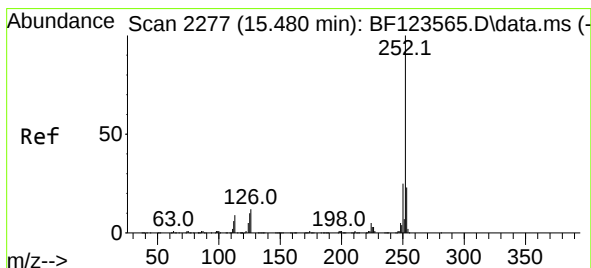
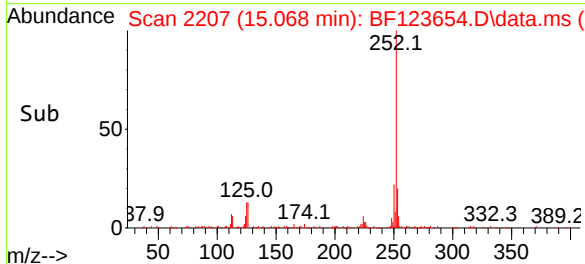
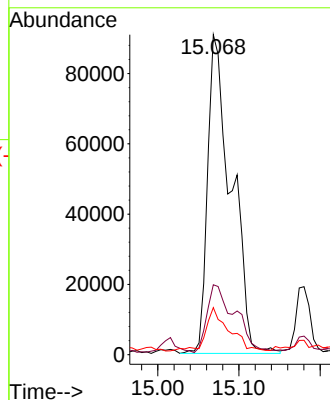
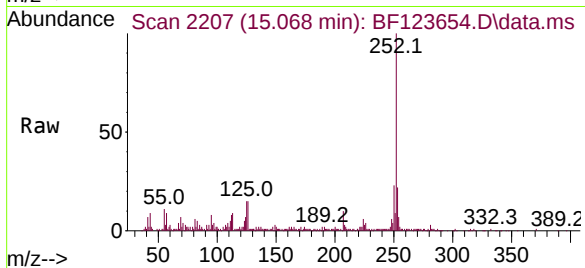
Instrument :

BNA_F

ClientSampleId :

SB-17-14.5-15.0

Tgt Ion:252	Resp:	183203
Ion Ratio	Lower	Upper
252	100	
253	21.8	17.9 26.9
125	14.7	7.0 10.6#



#90

Benzo(a)pyrene

Concen: 3.37 ng

RT: 15.439 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF123654.D

Acq: 20 Apr 2021 21:22

Tgt Ion:252	Resp:	99949
Ion Ratio	Lower	Upper
252	100	
253	20.4	18.4 27.6
125	11.9	8.0 12.0

