

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
 Data File : BF123674.D
 Acq On : 21 Apr 2021 19:01
 Operator : JU/CG
 Sample : M2099-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Apr 22 00:55:58 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

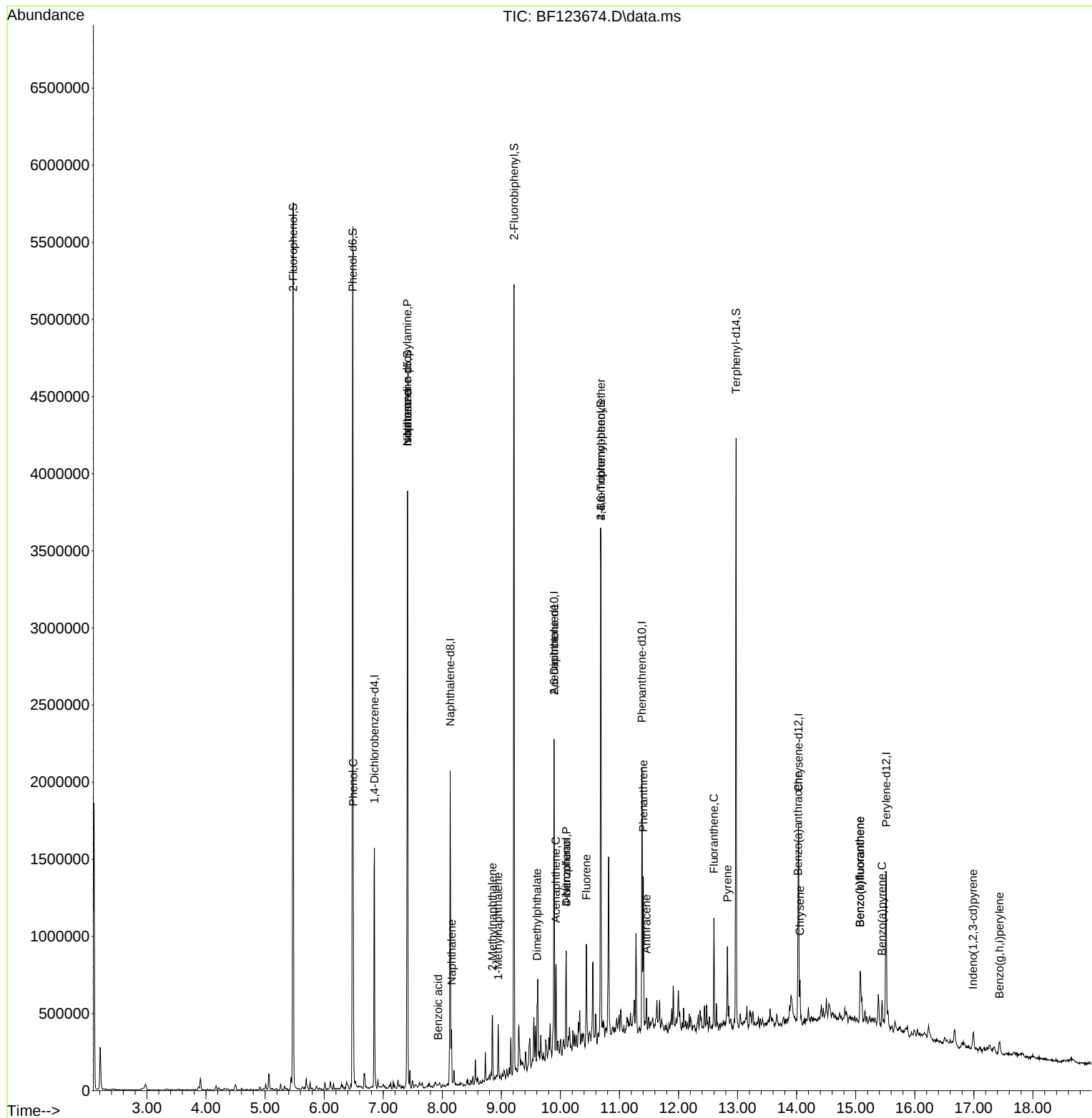
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	206031	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	769898	20.00	ng	0.00
39) Acenaphthene-d10	9.892	164	358622	20.00	ng	0.00
64) Phenanthrene-d10	11.380	188	594798	20.00	ng	0.00
76) Chrysene-d12	14.033	240	428306	20.00	ng	0.00
86) Perylene-d12	15.516	264	471873	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1330257	104.36	ng	0.00
7) Phenol-d6	6.487	99	1695201	95.97	ng	0.00
23) Nitrobenzene-d5	7.410	82	1190395	71.08	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	380766	93.76	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1575194	65.48	ng	0.00
79) Terphenyl-d14	12.975	244	1186949	53.86	ng	0.00
Target Compounds						
10) Phenol	6.493	94	109080	5.81	ng	89
19) n-Nitroso-di-n-propyla...	7.410	70	159919	13.67	ng	# 77
25) Isophorone	7.410	82	1188122	36.57	ng	# 69
31) Naphthalene	8.157	128	128366	3.24	ng	99
32) Benzoic acid	7.928	122	1227	4.70	ng	# 20
37) 2-Methylnaphthalene	8.851	142	115790	4.45	ng	92
38) 1-Methylnaphthalene	8.945	142	85921	3.49	ng	98
50) Dimethylphthalate	9.604	163	66980	2.70	ng	# 98
51) 2,6-Dinitrotoluene	9.892	165	49825	9.16	ng	# 13
52) Acenaphthene	9.922	154	116274	5.25	ng	99
55) Dibenzofuran	10.098	168	188104	5.92	ng	95
56) 4-Nitrophenol	10.098	139	73979	15.30	ng	# 1
58) Fluorene	10.439	166	135696	5.43	ng	99
67) 4-Bromophenyl-phenylether	10.686	248	22642	3.64	ng	# 1
71) Phenanthrene	11.404	178	320503	10.32	ng	99
72) Anthracene	11.457	178	68904	2.22	ng	97
75) Fluoranthene	12.598	202	251600	7.37	ng	98
78) Pyrene	12.827	202	211999	6.78	ng	96
81) Benzo(a)anthracene	14.022	228	96073	3.66	ng	96
83) Chrysene	14.057	228	121947	4.63	ng	96
87) Indeno(1,2,3-cd)pyrene	16.986	276	73099	2.90	ng	97
88) Benzo(b)fluoranthene	15.074	252	229817	6.90	ng	# 96
89) Benzo(k)fluoranthene	15.074	252	229817	6.34	ng	# 96
90) Benzo(a)pyrene	15.445	252	82209	3.10	ng	# 92
92) Benzo(g,h,i)perylene	17.433	276	62274	3.01	ng	# 92

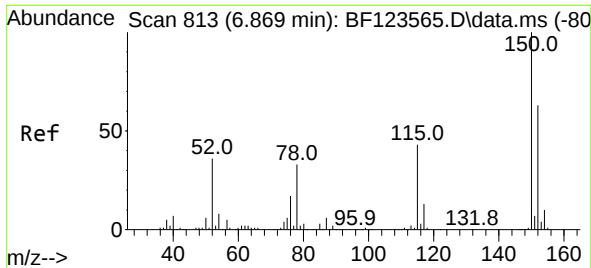
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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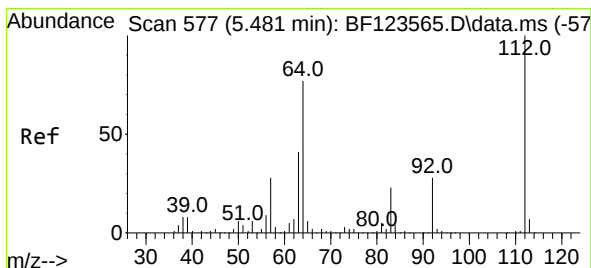
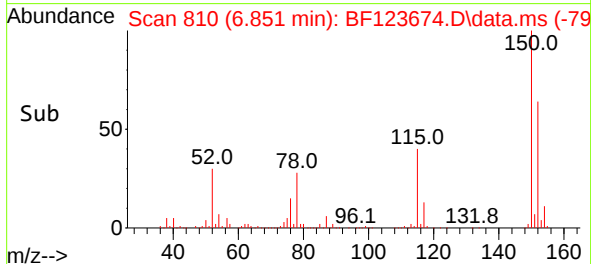
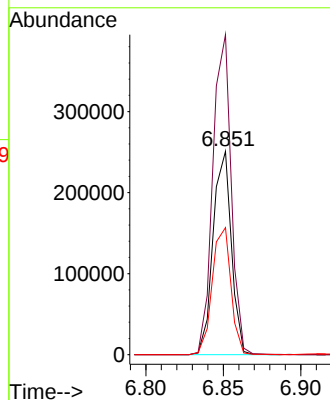
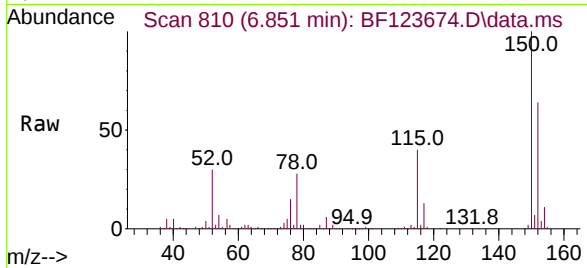




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

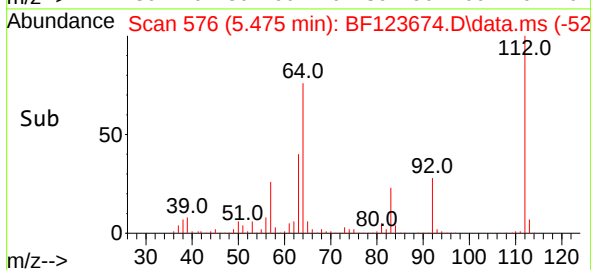
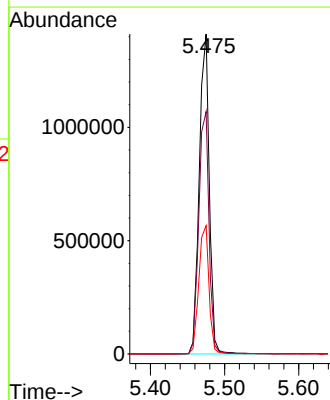
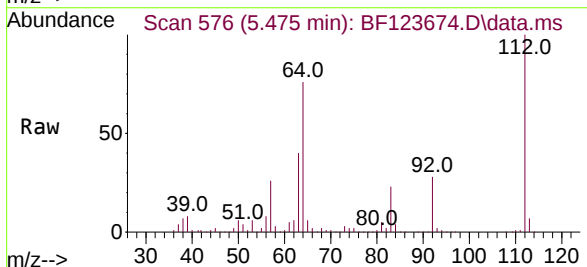
Instrument :
BNA_F
ClientSampled :
TP-3

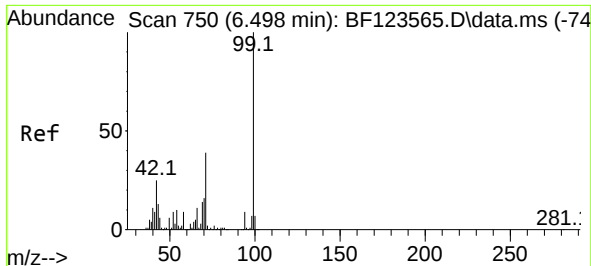
Tgt Ion:152 Resp: 206031
Ion Ratio Lower Upper
152 100
150 157.3 127.0 190.6
115 62.5 54.3 81.5



#5
2-Fluorophenol
Concen: 104.36 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Tgt Ion:112 Resp: 1330257
Ion Ratio Lower Upper
112 100
64 75.7 61.4 92.0
63 40.1 33.0 49.4



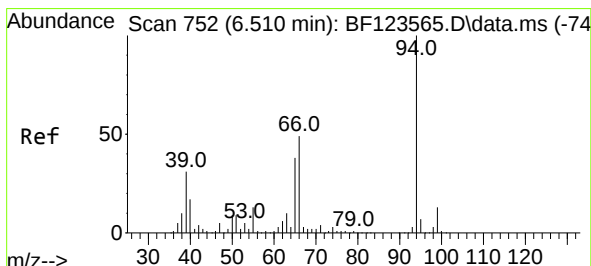
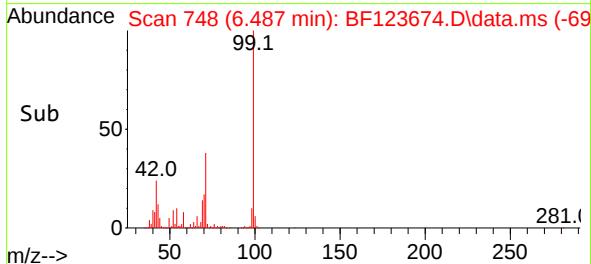
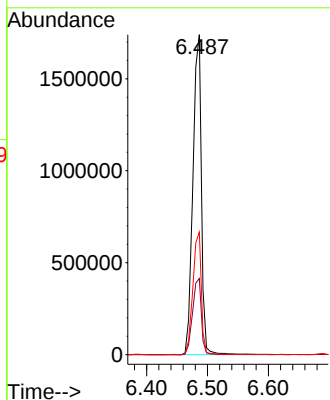
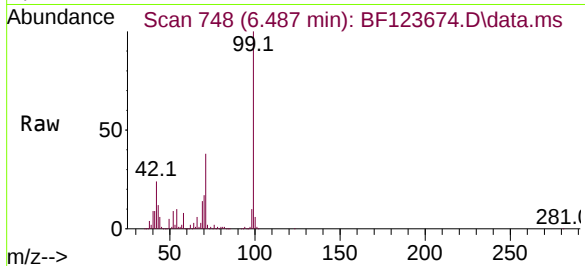


#7
Phenol-d6
Concen: 95.97 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 1695201

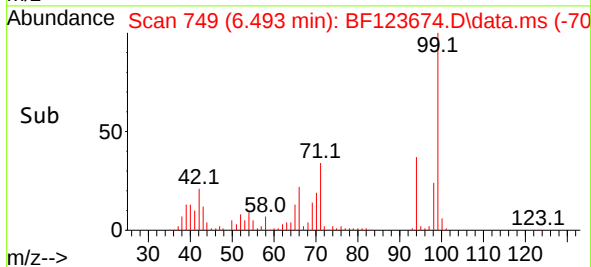
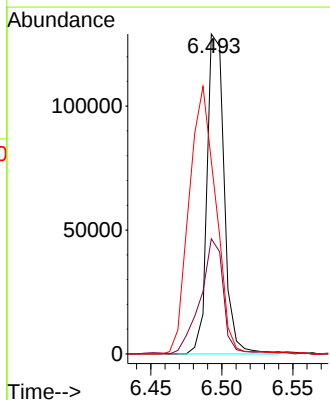
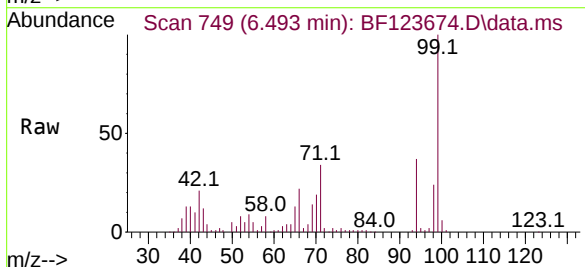
Ion	Ratio	Lower	Upper
99	100		
42	23.8	19.8	29.8
71	38.3	31.1	46.7

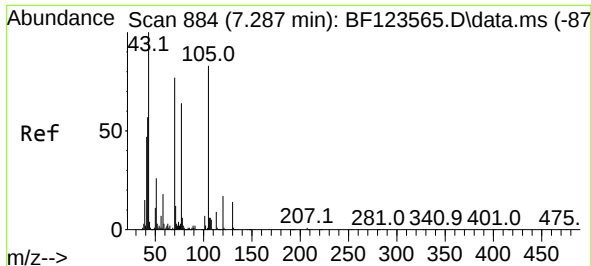


#10
Phenol
Concen: 5.81 ng
RT: 6.493 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Tgt Ion: 94 Resp: 109080

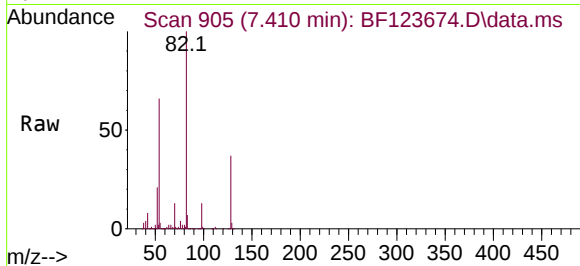
Ion	Ratio	Lower	Upper
94	100		
65	36.0	18.1	58.1
66	60.2	29.0	69.0



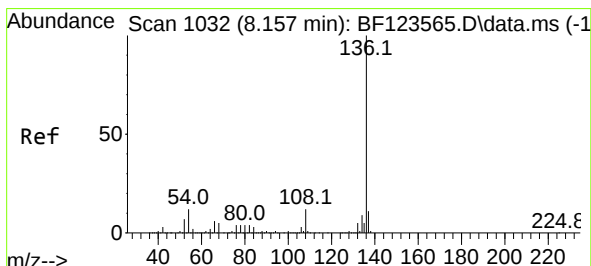
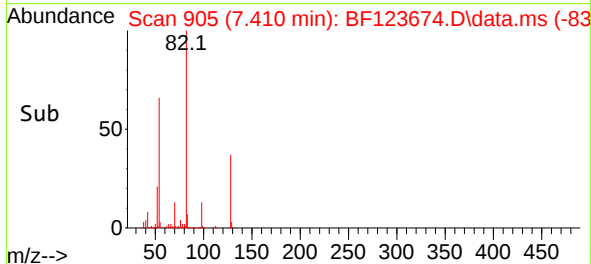
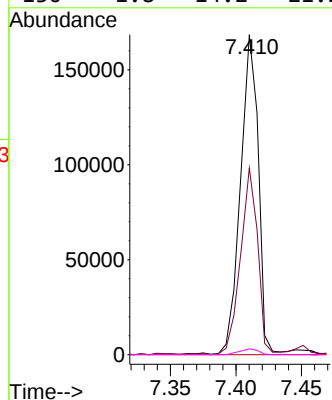


#19
n-Nitroso-di-n-propylamine
Concen: 13.67 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Instrument :
BNA_F
ClientSampled :
TP-3

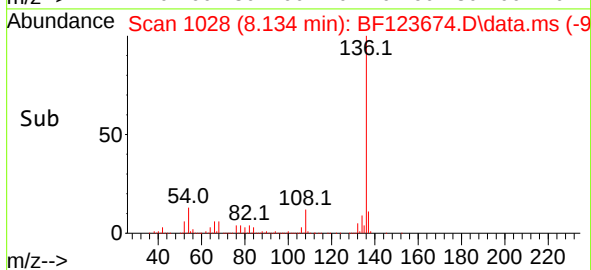
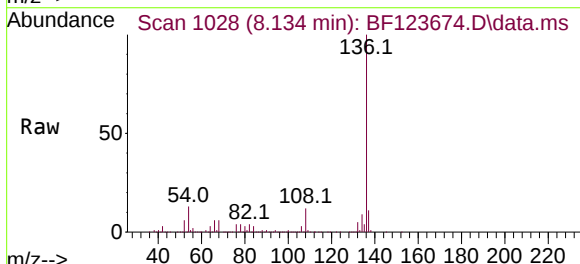
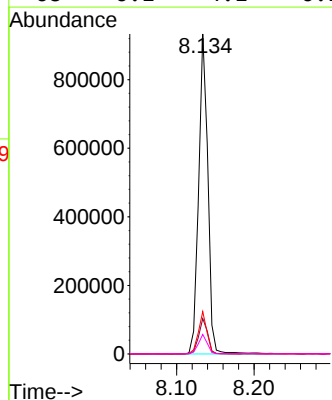


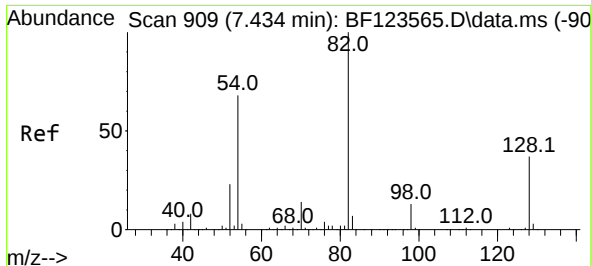
Tgt Ion: 70 Resp: 159919
Ion Ratio Lower Upper
70 100
42 58.3 60.1 90.1#
101 0.0 7.4 11.2#
130 1.8 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Tgt Ion: 136 Resp: 769898
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 13.3 9.8 14.6
68 6.1 4.1 6.1

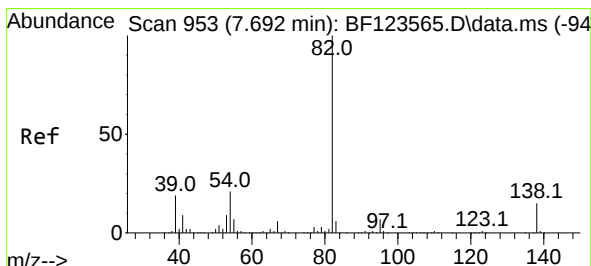
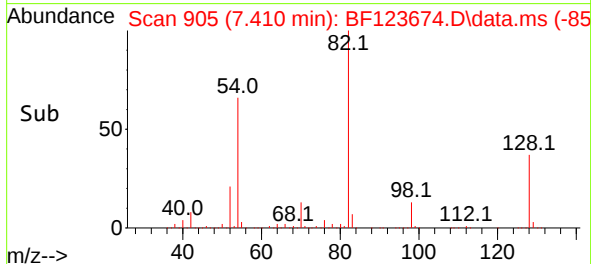
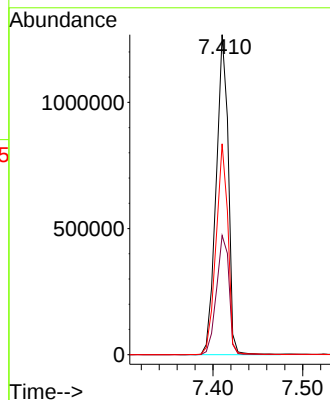
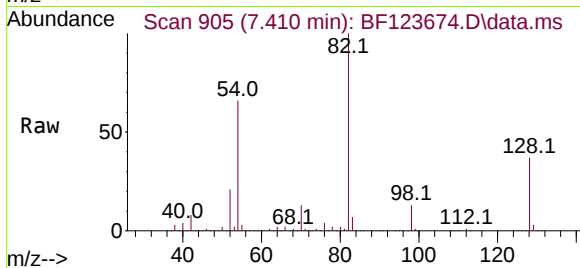




#23
Nitrobenzene-d5
Concen: 71.08 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

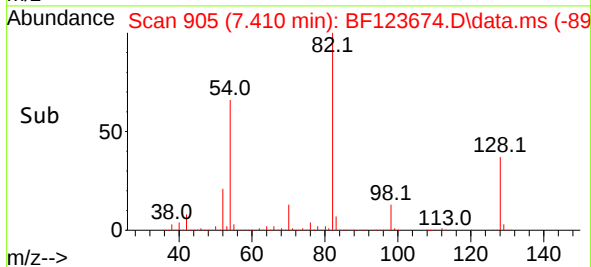
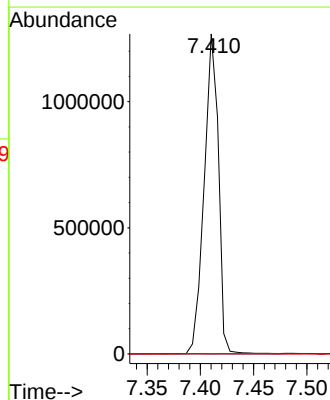
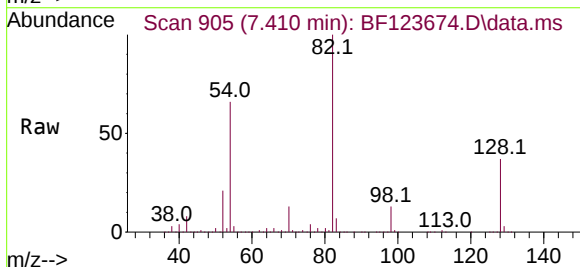
Instrument :
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ClientSampled :
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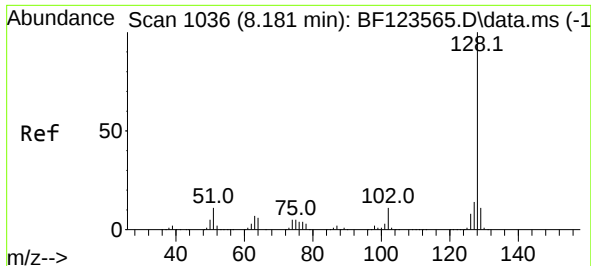
Tgt Ion: 82 Resp: 1190395
Ion Ratio Lower Upper
82 100
128 37.3 29.4 44.2
54 65.9 54.1 81.1



#25
Isophorone
Concen: 36.57 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Tgt Ion: 82 Resp: 1188122
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 11.8 17.8#

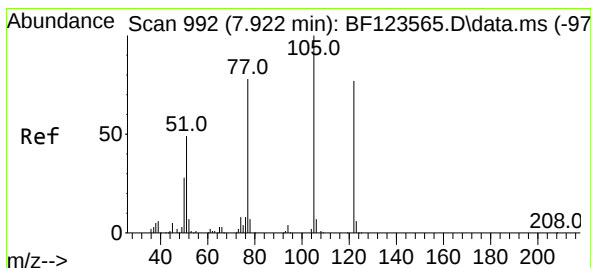
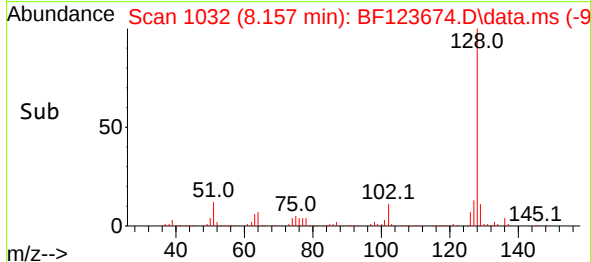
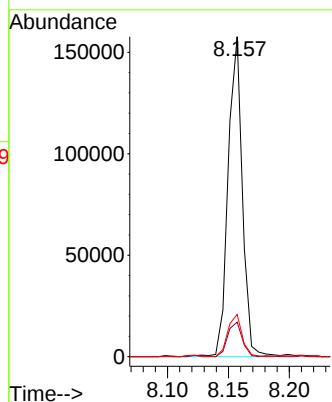
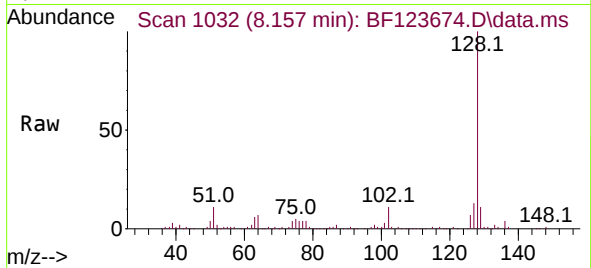




#31
Naphthalene
Concen: 3.24 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

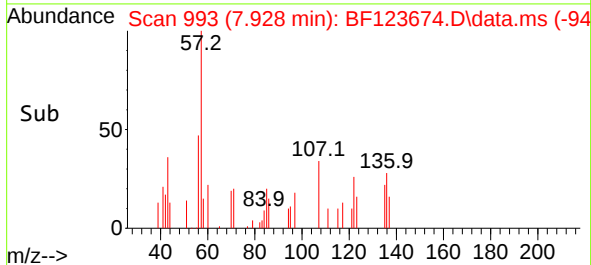
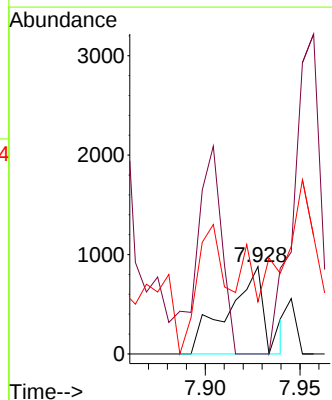
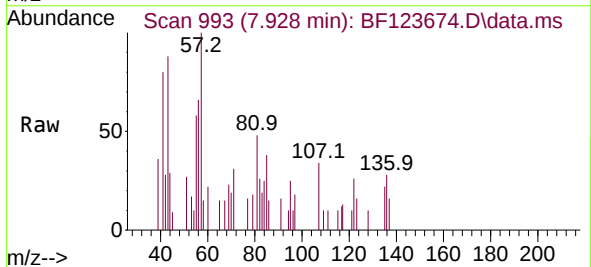
Instrument :
BNA_F
ClientSampled :
TP-3

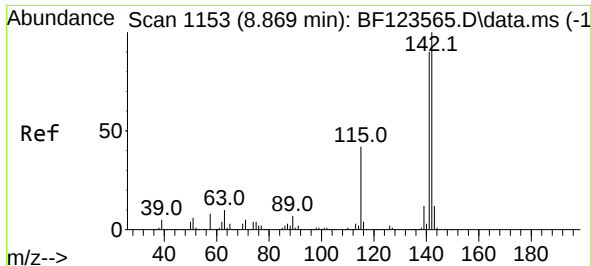
Tgt Ion:128 Resp: 128366
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 13.2 10.8 16.2



#32
Benzoic acid
Concen: 4.70 ng
RT: 7.928 min Scan# 993
Delta R.T. 0.012 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Tgt Ion:122 Resp: 1227
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 59.7 81.6 121.6#

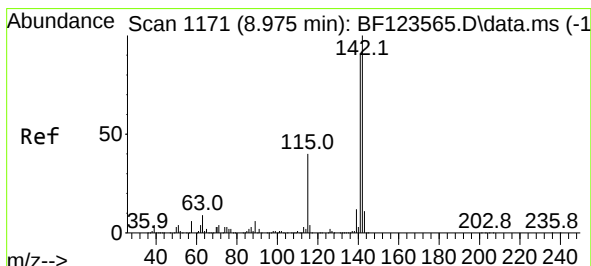
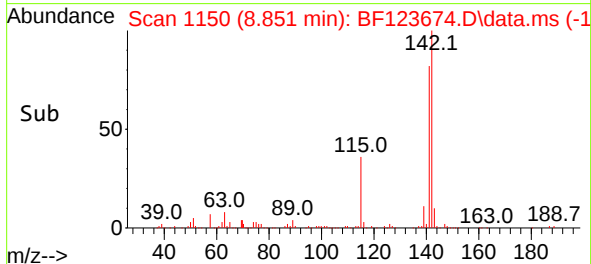
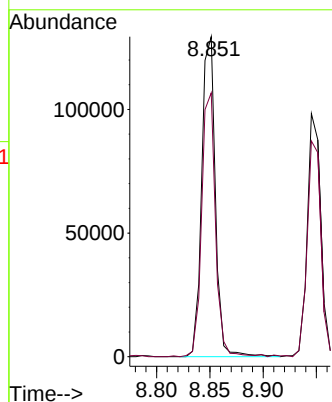
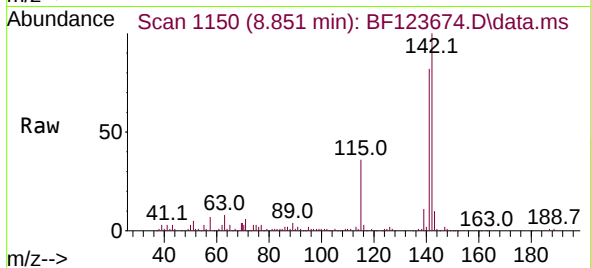




#37
2-Methylnaphthalene
Concen: 4.45 ng
RT: 8.851 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

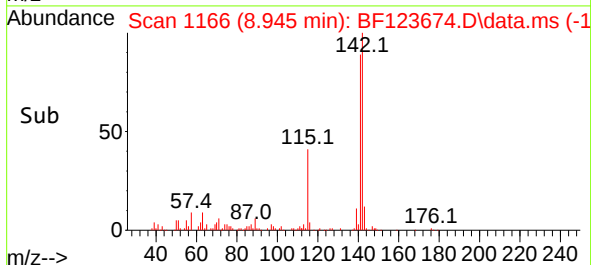
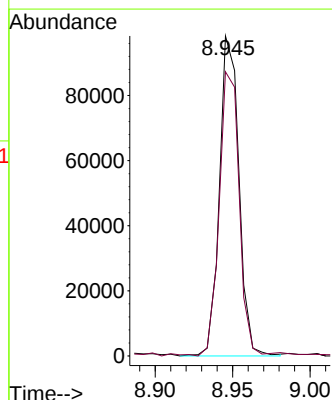
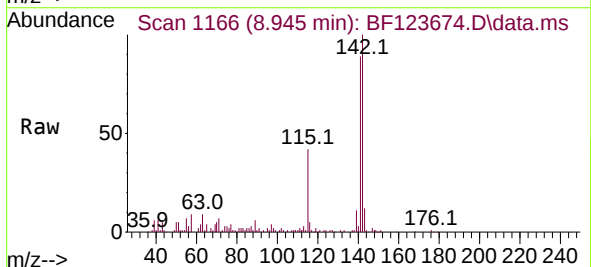
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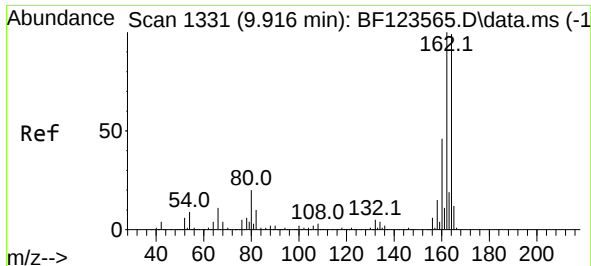
Tgt Ion:142 Resp: 115790
Ion Ratio Lower Upper
142 100
141 82.5 71.8 107.6



#38
1-Methylnaphthalene
Concen: 3.49 ng
RT: 8.945 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Tgt Ion:142 Resp: 85921
Ion Ratio Lower Upper
142 100
141 88.8 72.8 109.2

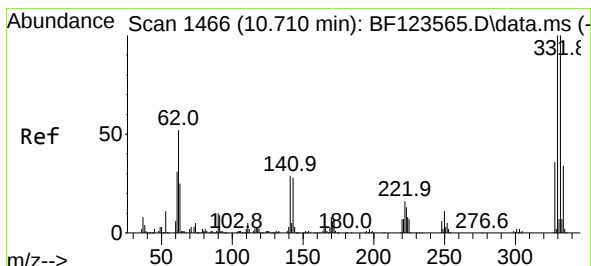
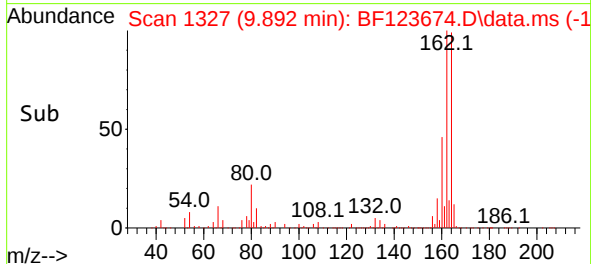
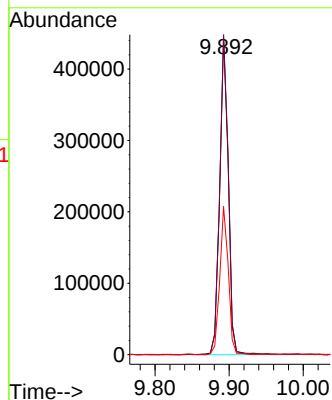
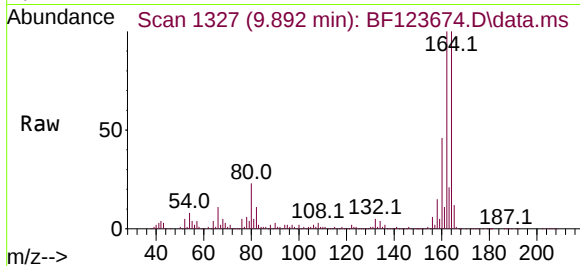




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

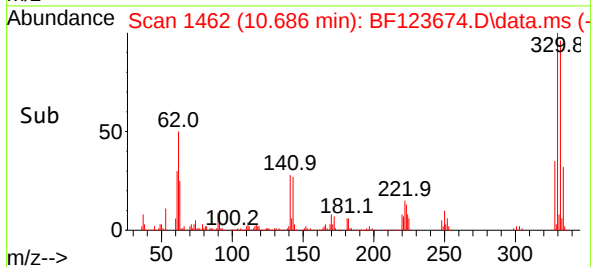
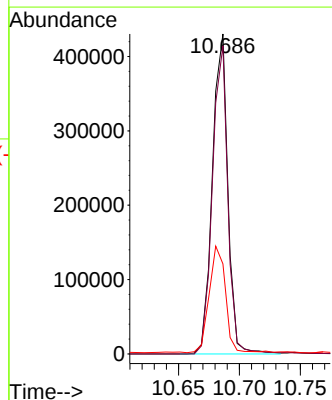
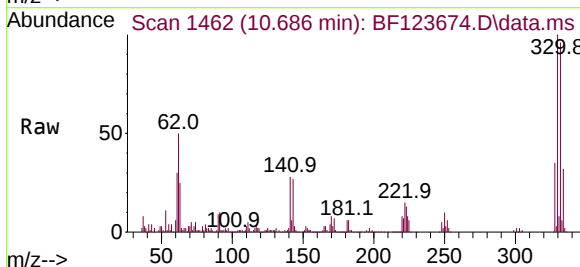
Instrument :
BNA_F
ClientSampled :
TP-3

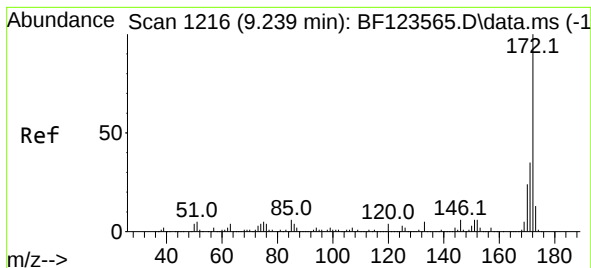
Tgt Ion:164 Resp: 358622
Ion Ratio Lower Upper
164 100
162 100.4 80.7 121.1
160 46.5 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 93.76 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Tgt Ion:330 Resp: 380766
Ion Ratio Lower Upper
330 100
332 95.1 77.1 115.7
141 35.6 27.9 41.9

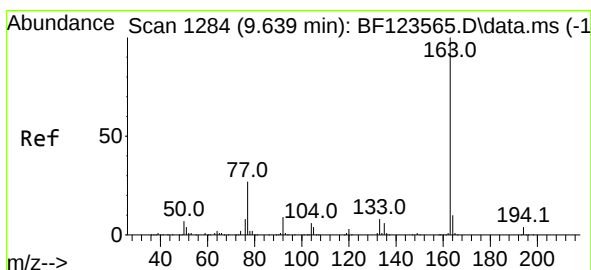
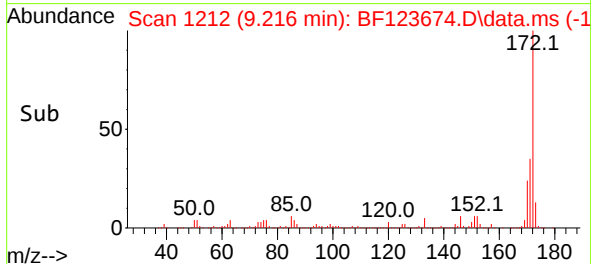
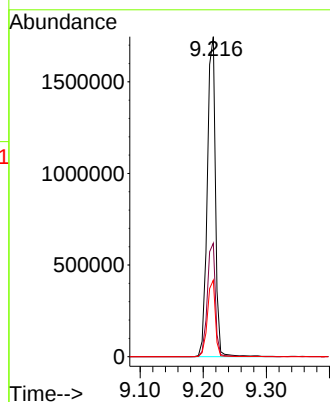
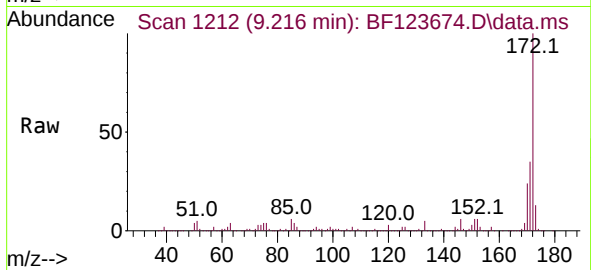




#45
2-Fluorobiphenyl
Concen: 65.48 ng
RT: 9.216 min Scan# 1212
Delta R.T. 0.000 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

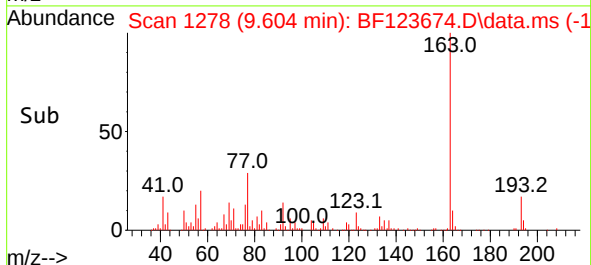
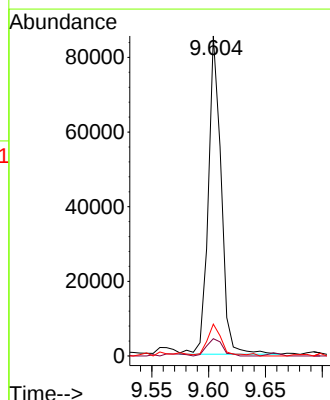
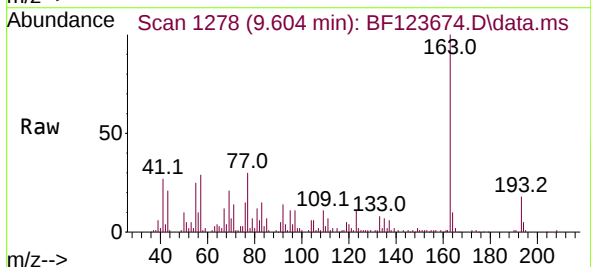
Instrument :
BNA_F
ClientSampleId :
TP-3

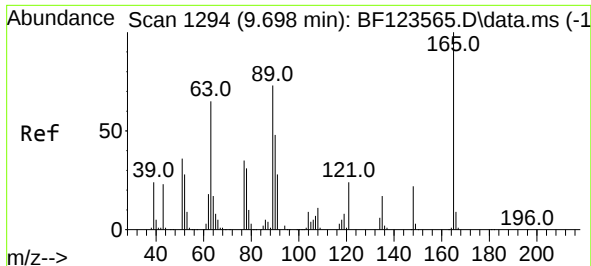
Tgt Ion:172 Resp: 1575194
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.9 19.2 28.8



#50
Dimethylphthalate
Concen: 2.70 ng
RT: 9.604 min Scan# 1278
Delta R.T. -0.018 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Tgt Ion:163 Resp: 66980
Ion Ratio Lower Upper
163 100
194 5.4 3.1 4.7#
164 9.9 8.2 12.2

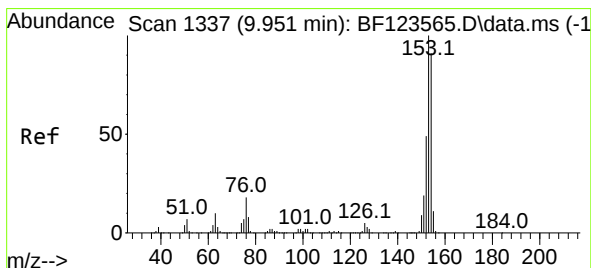
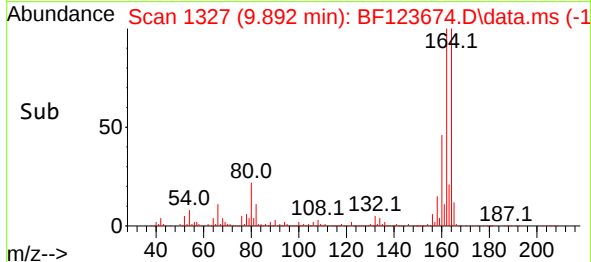
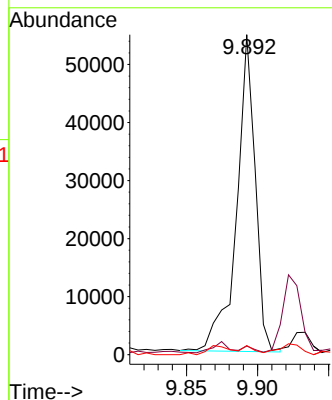
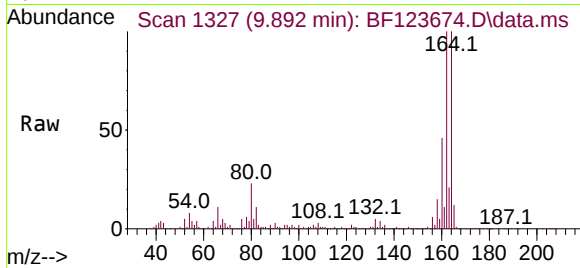




#51
2,6-Dinitrotoluene
Concen: 9.16 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

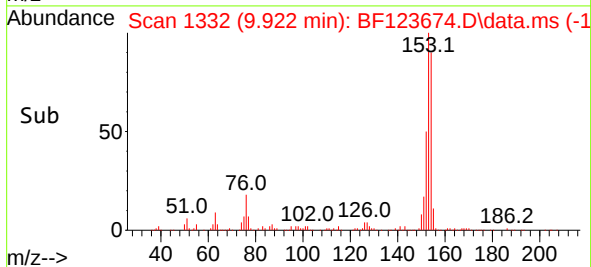
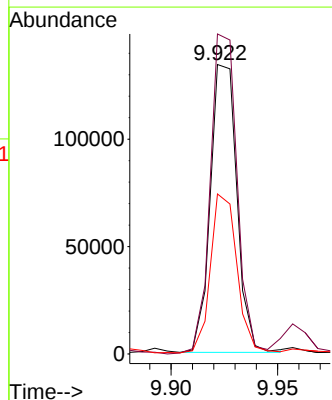
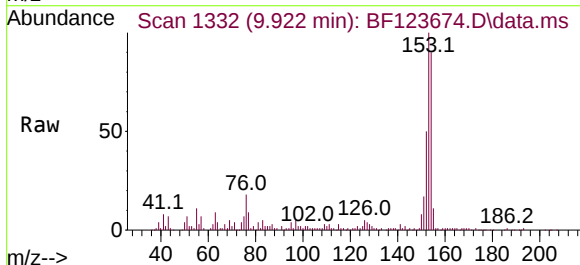
Instrument :
BNA_F
ClientSampled :
TP-3

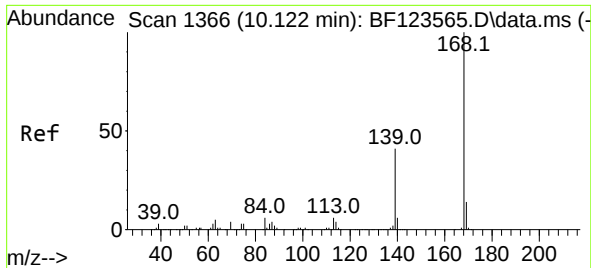
Tgt Ion:165 Resp: 49825
Ion Ratio Lower Upper
165 100
63 2.7 67.7 101.5#
89 2.8 58.8 88.2#



#52
Acenaphthene
Concen: 5.25 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Tgt Ion:154 Resp: 116274
Ion Ratio Lower Upper
154 100
153 110.5 88.1 132.1
152 55.2 43.4 65.0

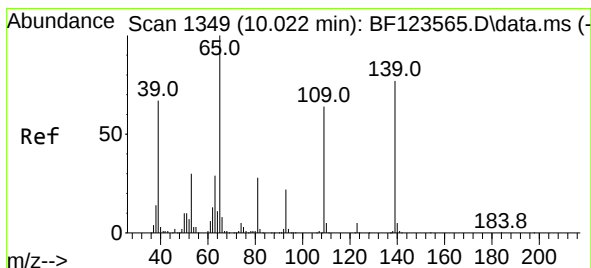
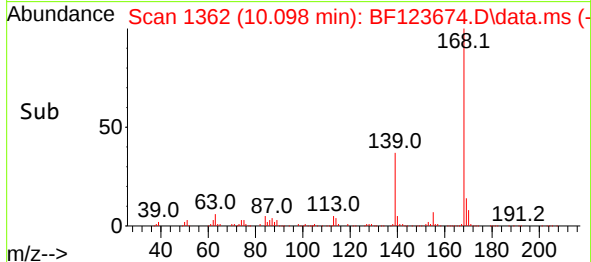
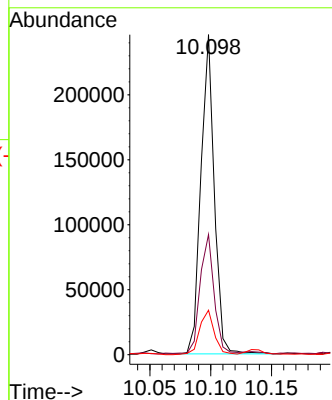
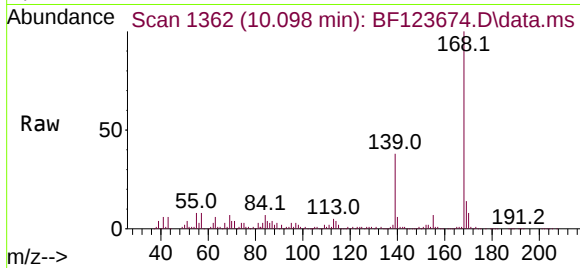




#55
Dibenzofuran
Concen: 5.92 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

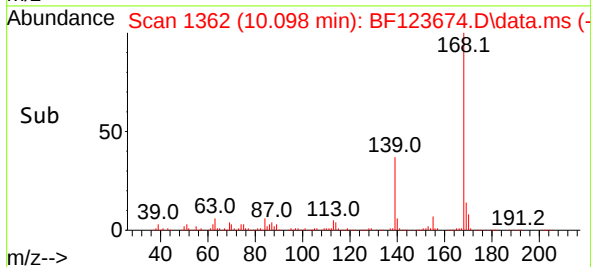
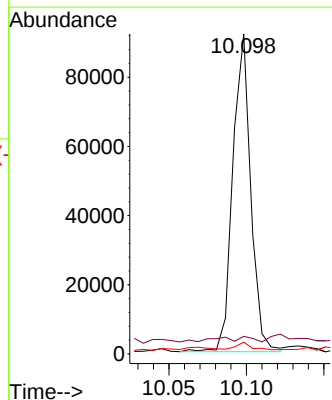
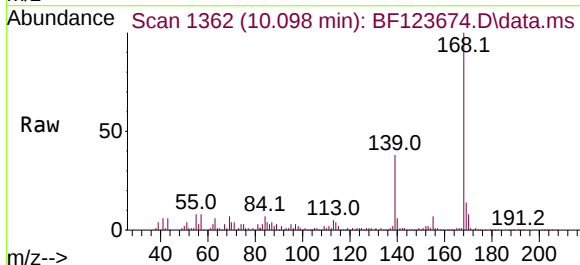
Instrument :
BNA_F
ClientSampleId :
TP-3

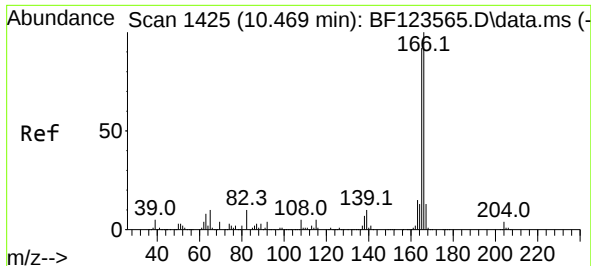
Tgt Ion:168 Resp: 188104
Ion Ratio Lower Upper
168 100
139 37.6 33.2 49.8
169 13.9 10.8 16.2



#56
4-Nitrophenol
Concen: 15.30 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.082 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Tgt Ion:139 Resp: 73979
Ion Ratio Lower Upper
139 100
109 5.5 63.2 103.2#
65 3.7 110.0 150.0#

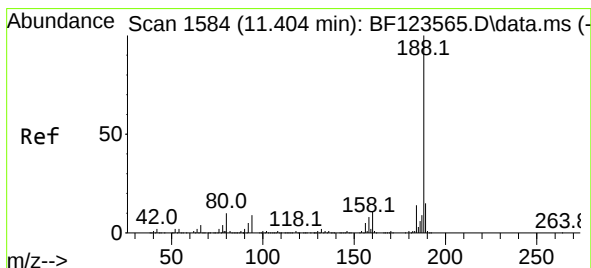
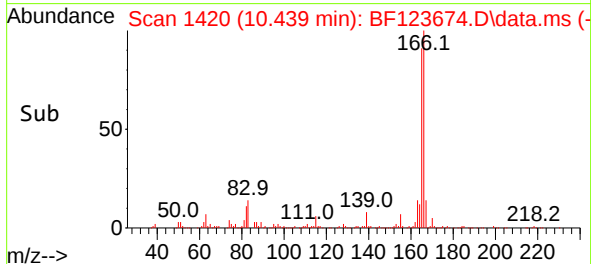
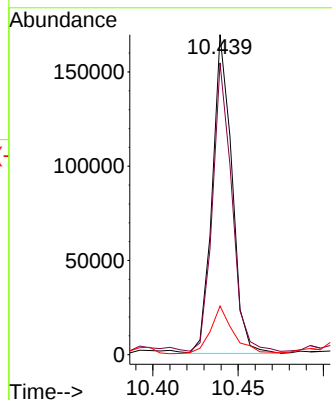
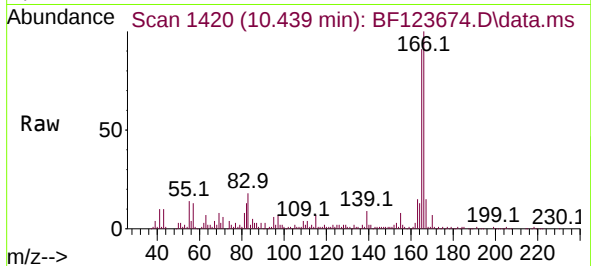




#58
Fluorene
Concen: 5.43 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

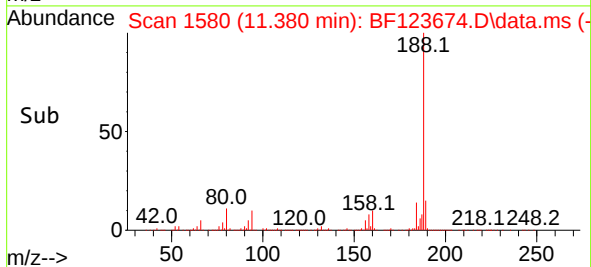
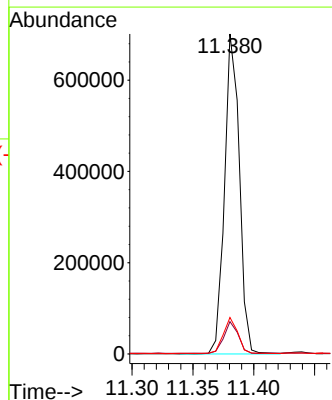
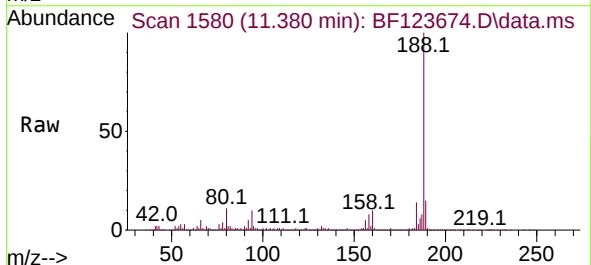
Instrument :
BNA_F
ClientSampleId :
TP-3

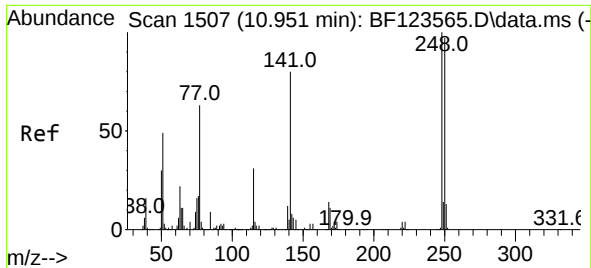
Tgt Ion:166 Resp: 135696
Ion Ratio Lower Upper
166 100
165 91.2 73.5 110.3
167 15.2 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Tgt Ion:188 Resp: 594798
Ion Ratio Lower Upper
188 100
94 10.1 6.9 10.3
80 11.4 8.2 12.2

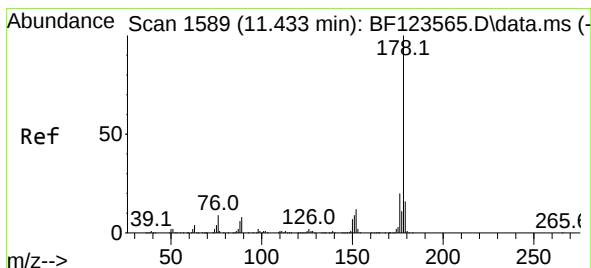
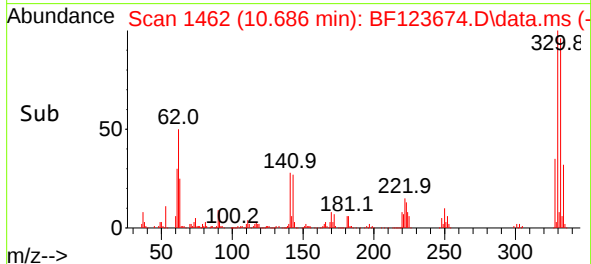
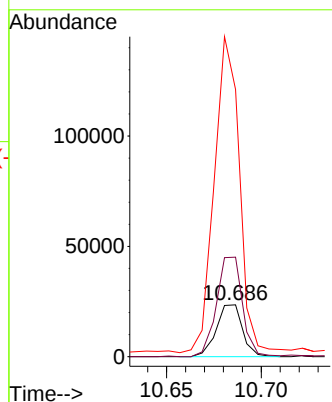
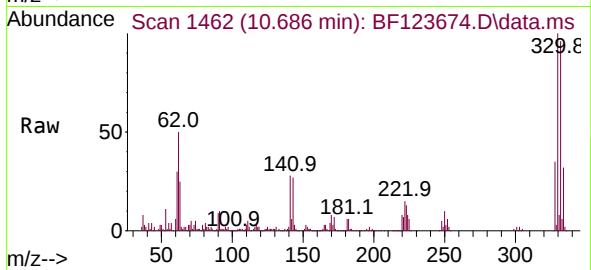




#67
4-Bromophenyl-phenylether
Concen: 3.64 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.241 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

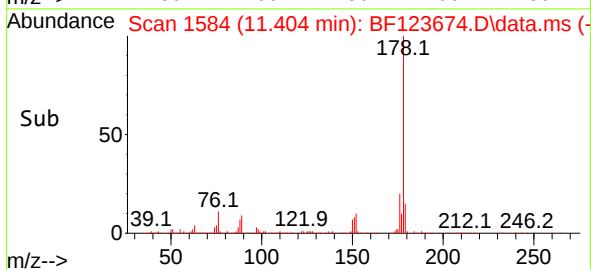
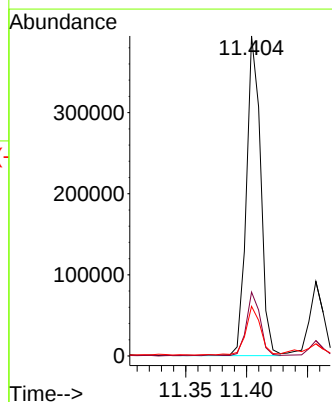
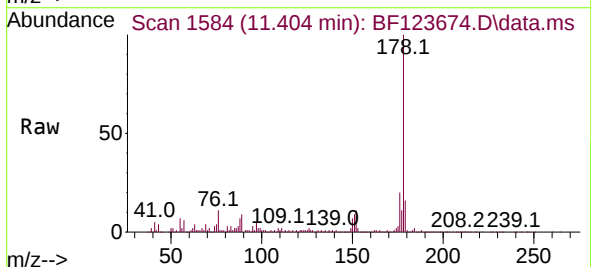
Instrument :
BNA_F
ClientSampled :
TP-3

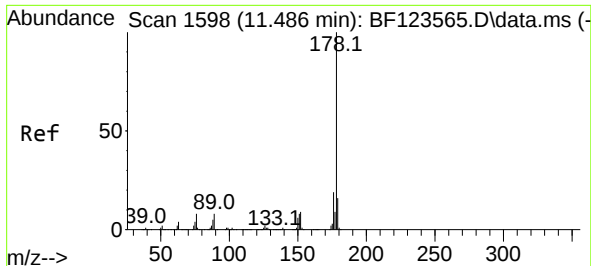
Tgt Ion:248 Resp: 22642
Ion Ratio Lower Upper
248 100
250 191.8 77.4 116.2#
141 514.5 63.7 95.5#



#71
Phenanthrene
Concen: 10.32 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Tgt Ion:178 Resp: 320503
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 15.5 12.5 18.7

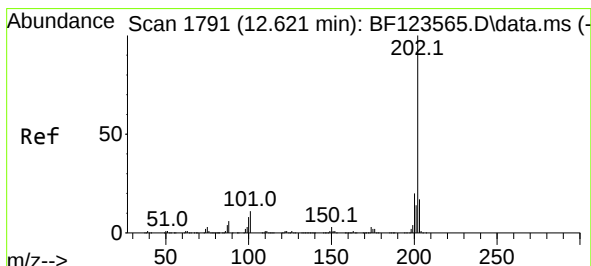
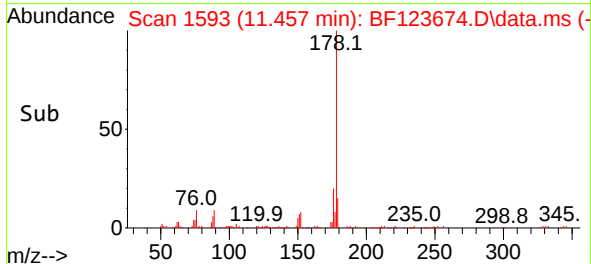
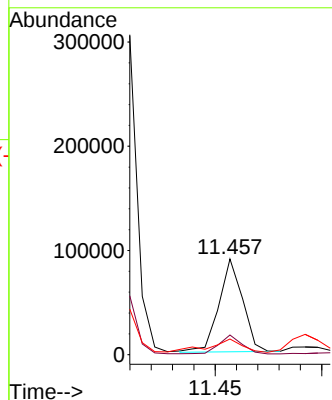
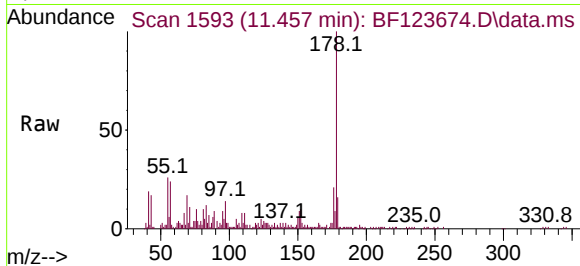




#72
 Anthracene
 Concen: 2.22 ng
 RT: 11.457 min Scan# 1593
 Delta R.T. -0.006 min
 Lab File: BF123674.D
 Acq: 21 Apr 2021 19:01

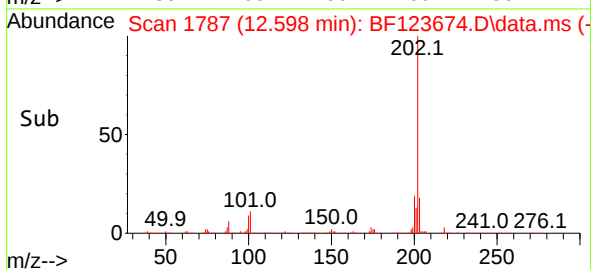
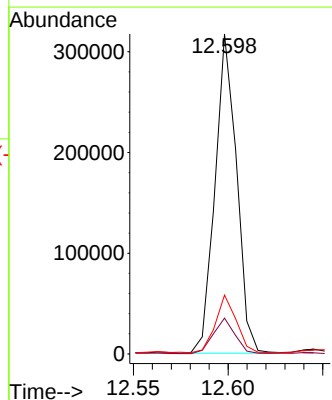
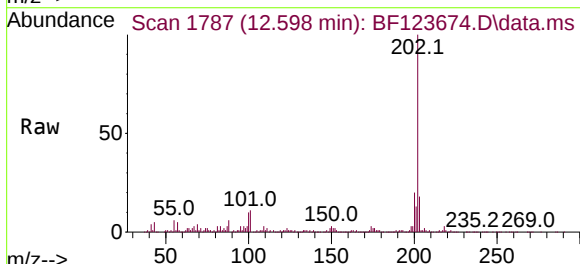
Instrument :
 BNA_F
 ClientSampled :
 TP-3

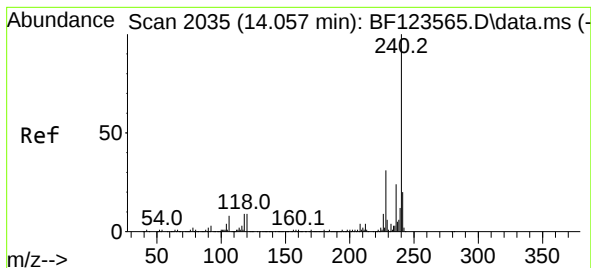
Tgt Ion:178 Resp: 68904
 Ion Ratio Lower Upper
 178 100
 176 20.6 15.4 23.0
 179 16.4 12.6 18.8



#75
 Fluoranthene
 Concen: 7.37 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. -0.006 min
 Lab File: BF123674.D
 Acq: 21 Apr 2021 19:01

Tgt Ion:202 Resp: 251600
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 30.9
 203 18.4 0.0 37.5

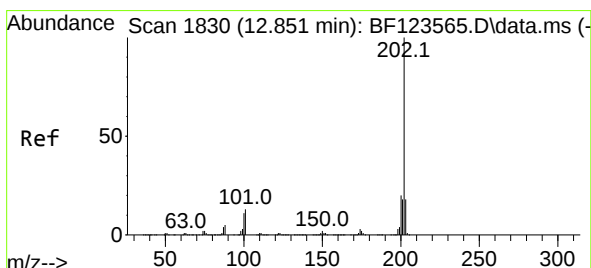
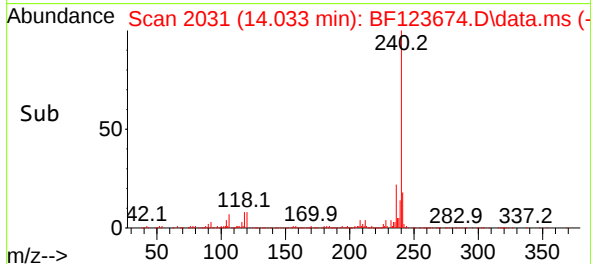
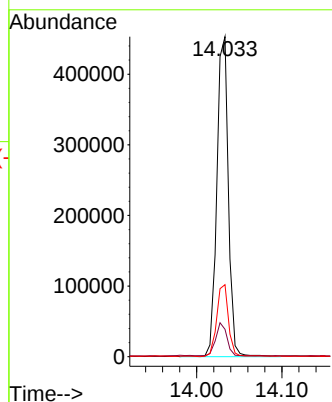
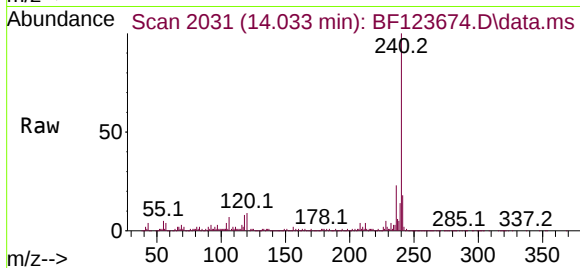




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

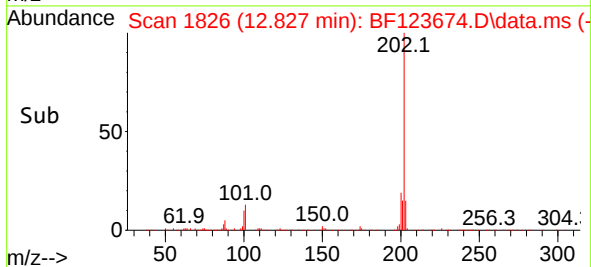
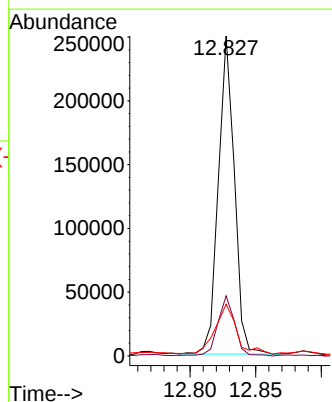
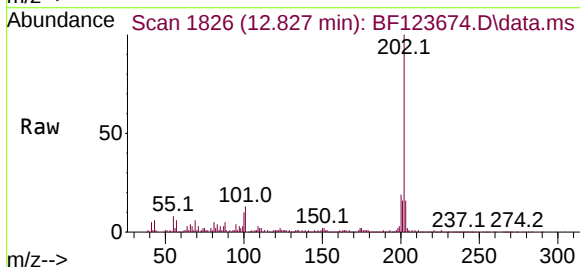
Instrument :
BNA_F
ClientSampled :
TP-3

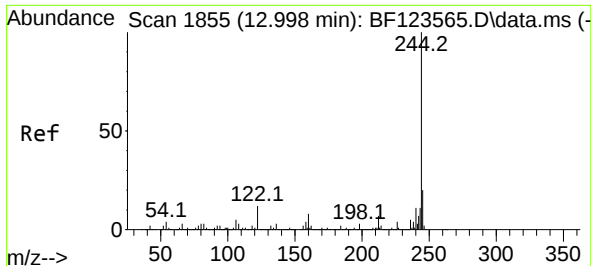
Tgt Ion:240 Resp: 428306
Ion Ratio Lower Upper
240 100
120 8.6 7.2 10.8
236 22.5 19.0 28.4



#78
Pyrene
Concen: 6.78 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Tgt Ion:202 Resp: 211999
Ion Ratio Lower Upper
202 100
200 18.8 16.1 24.1
203 16.1 14.8 22.2

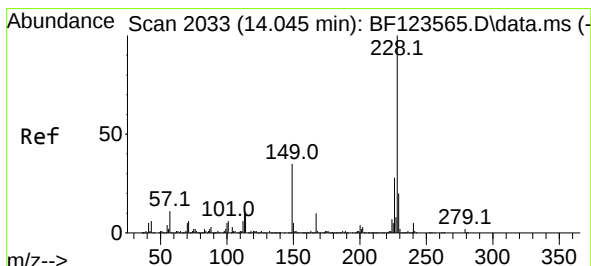
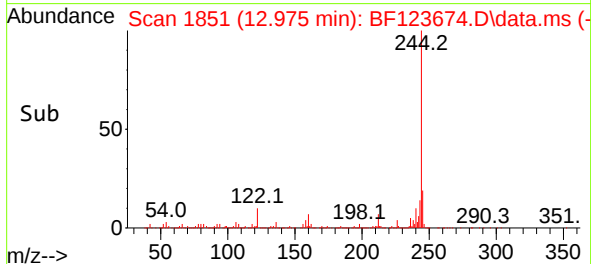
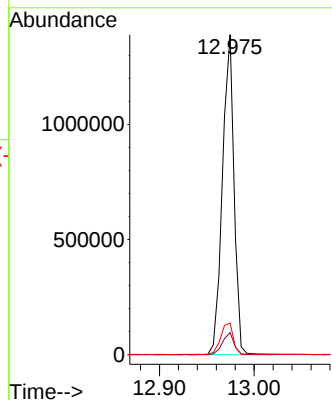
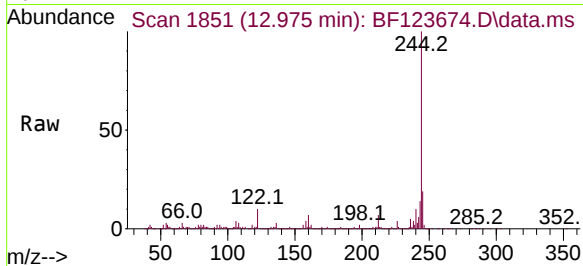




#79
Terphenyl-d14
Concen: 53.86 ng
RT: 12.975 min Scan# 1851
Delta R.T. 0.000 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

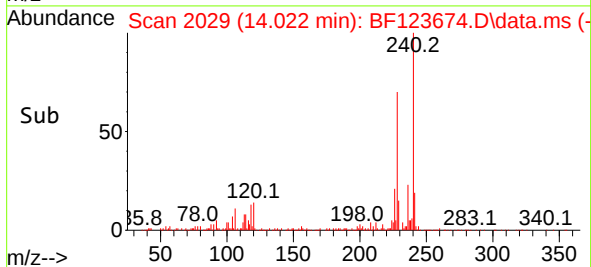
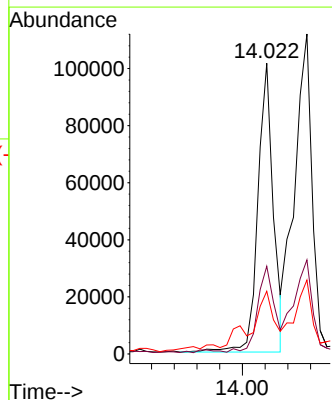
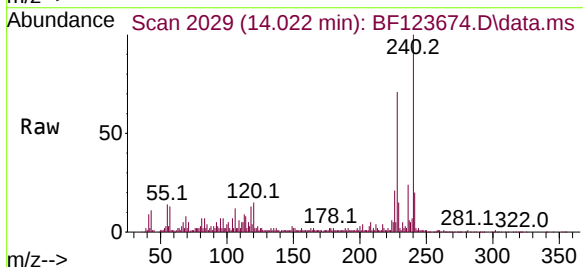
Instrument :
BNA_F
ClientSampled :
TP-3

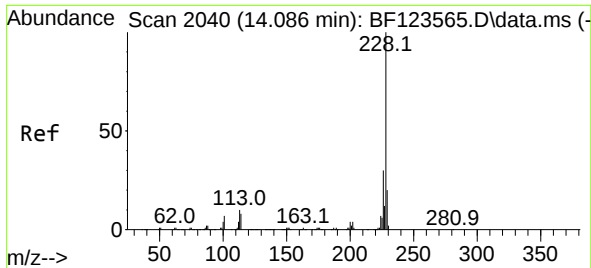
Tgt Ion:244 Resp: 1186949
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 9.8 9.7 14.5



#81
Benzo(a)anthracene
Concen: 3.66 ng
RT: 14.022 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Tgt Ion:228 Resp: 96073
Ion Ratio Lower Upper
228 100
226 30.2 22.4 33.6
229 21.5 16.0 24.0

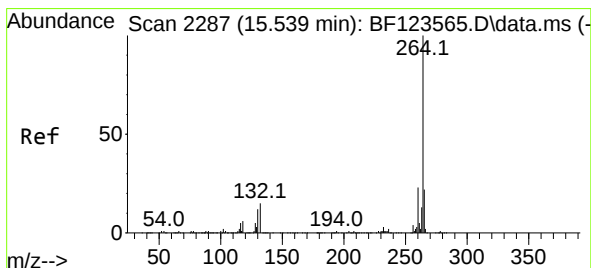
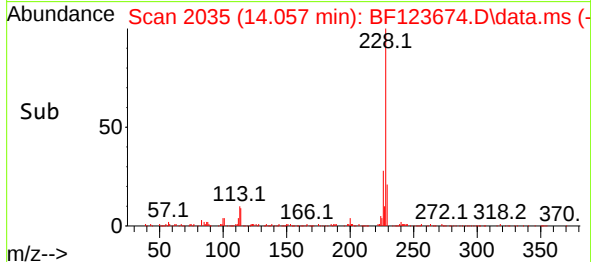
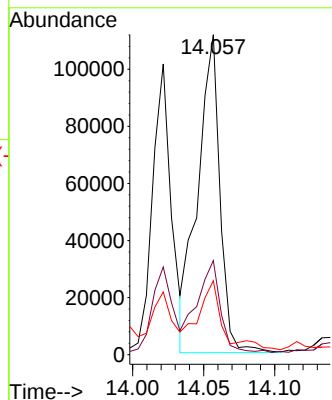
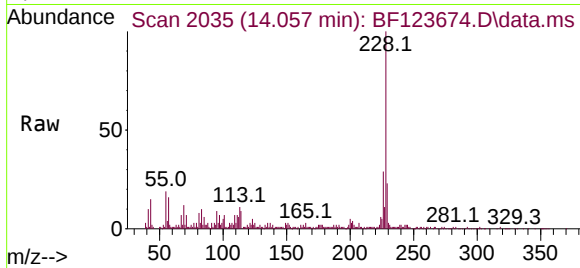




#83
Chrysene
Concen: 4.63 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

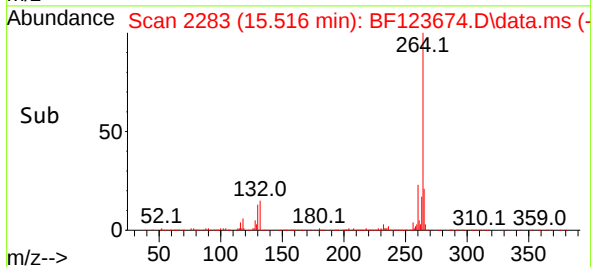
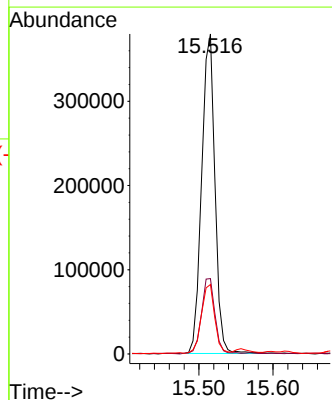
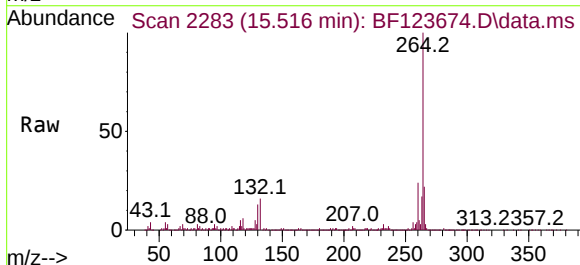
Instrument :
BNA_F
ClientSampled :
TP-3

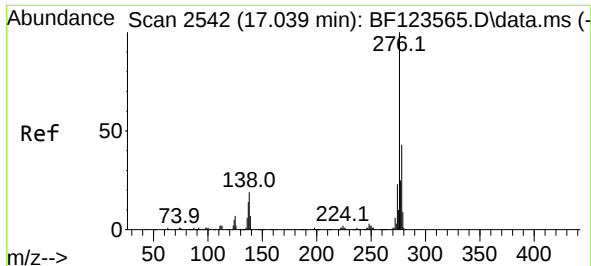
Tgt Ion:228 Resp: 121947
Ion Ratio Lower Upper
228 100
226 29.4 24.3 36.5
229 23.1 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.516 min Scan# 2283
Delta R.T. 0.012 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Tgt Ion:264 Resp: 471873
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 21.7 17.8 26.8

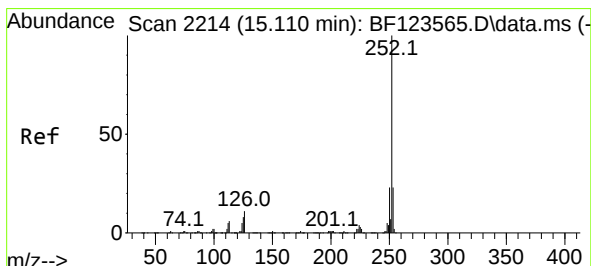
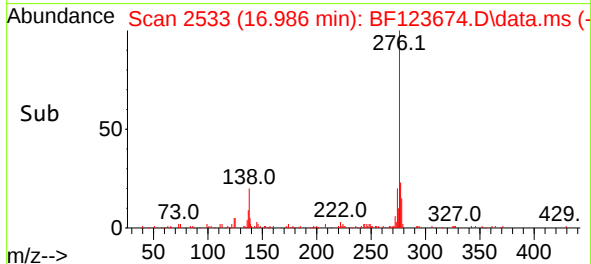
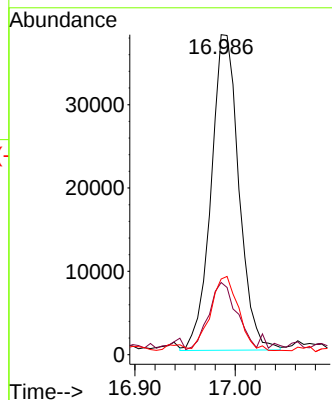
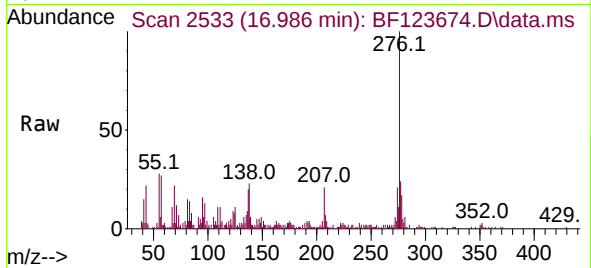




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.90 ng
RT: 16.986 min Scan# 2533
Delta R.T. 0.000 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

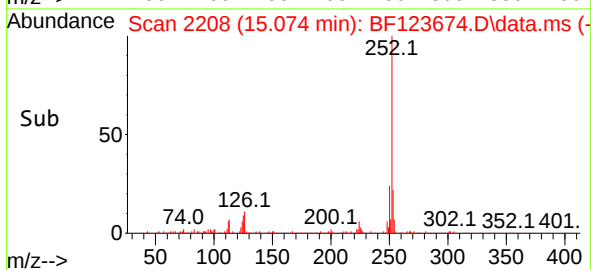
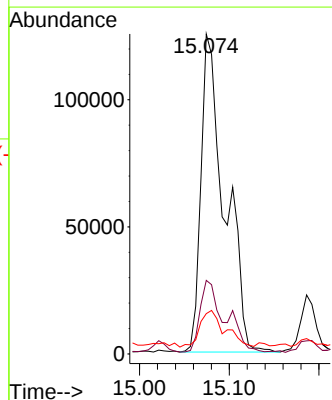
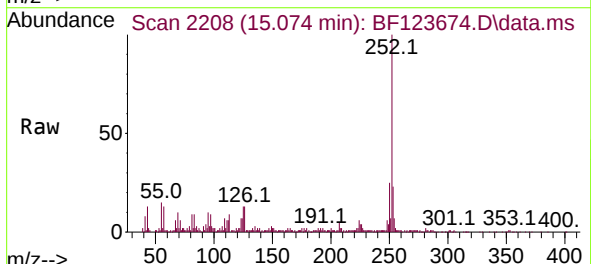
Instrument :
BNA_F
ClientSampled :
TP-3

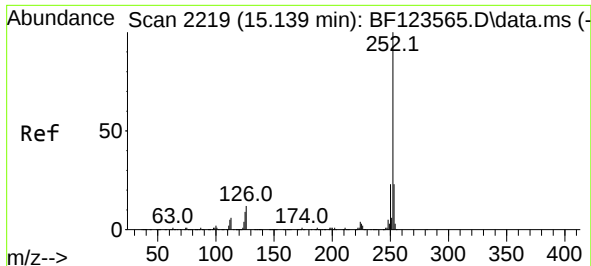
Tgt Ion:276 Resp: 73099
Ion Ratio Lower Upper
276 100
138 21.2 16.2 24.2
277 23.3 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 6.90 ng
RT: 15.074 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF123674.D
Acq: 21 Apr 2021 19:01

Tgt Ion:252 Resp: 229817
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 12.6 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 6.34 ng

RT: 15.074 min Scan# 2208

Delta R.T. -0.035 min

Lab File: BF123674.D

Acq: 21 Apr 2021 19:01

Tgt Ion:252 Resp: 229817

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

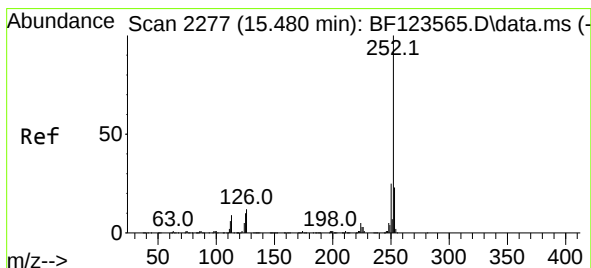
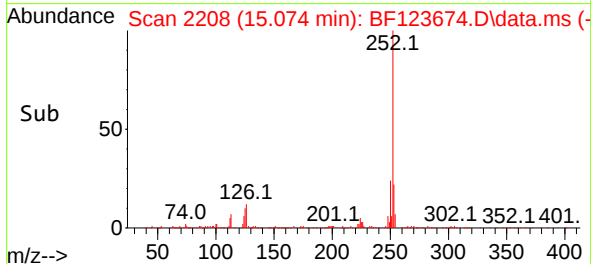
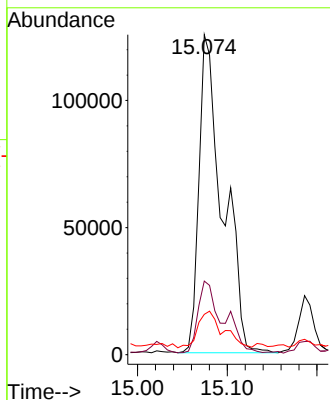
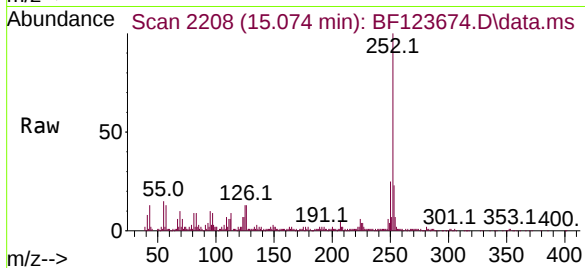
125 12.6 7.0 10.6#

Instrument :

BNA_F

ClientSampled :

TP-3



#90

Benzo(a)pyrene

Concen: 3.10 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF123674.D

Acq: 21 Apr 2021 19:01

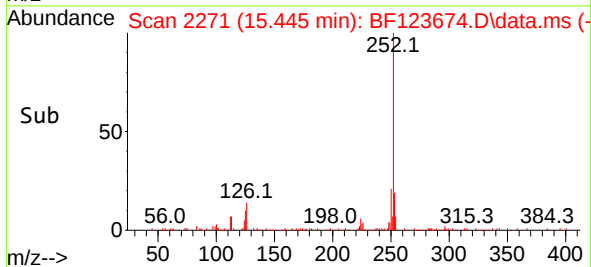
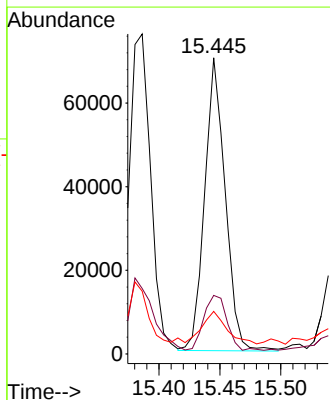
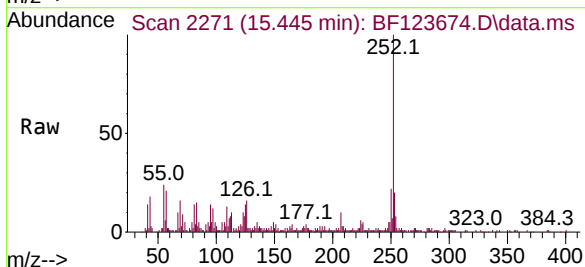
Tgt Ion:252 Resp: 82209

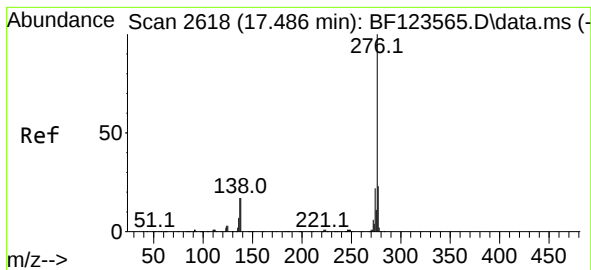
Ion Ratio Lower Upper

252 100

253 19.8 18.4 27.6

125 14.4 8.0 12.0#





#92

Benzo(g,h,i)perylene

Concen: 3.01 ng

RT: 17.433 min Scan# 2609

Delta R.T. -0.006 min

Lab File: BF123674.D

Acq: 21 Apr 2021 19:01

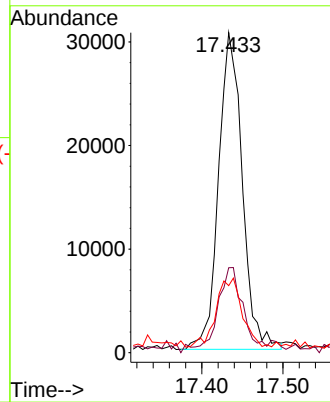
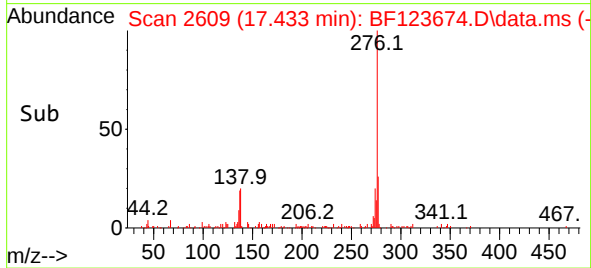
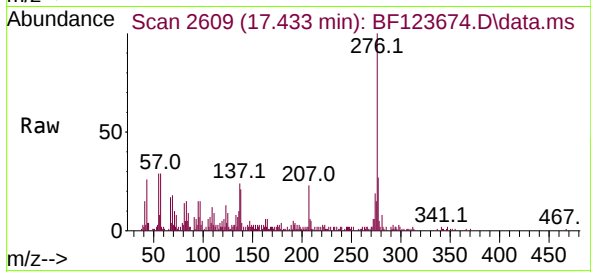
Tgt Ion: 276 Resp: 62274

Ion Ratio Lower Upper

276 100

277 26.6 18.2 27.2

138 20.9 13.8 20.6#



Instrument :

BNA_F

ClientSampleId :

TP-3