

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042421\
 Data File : BF123723.D
 Acq On : 24 Apr 2021 18:22
 Operator : JU/CG
 Sample : M2150-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP-20

Quant Time: Apr 26 03:00:39 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 23 10:48:36 2021
 Response via : Initial Calibration

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

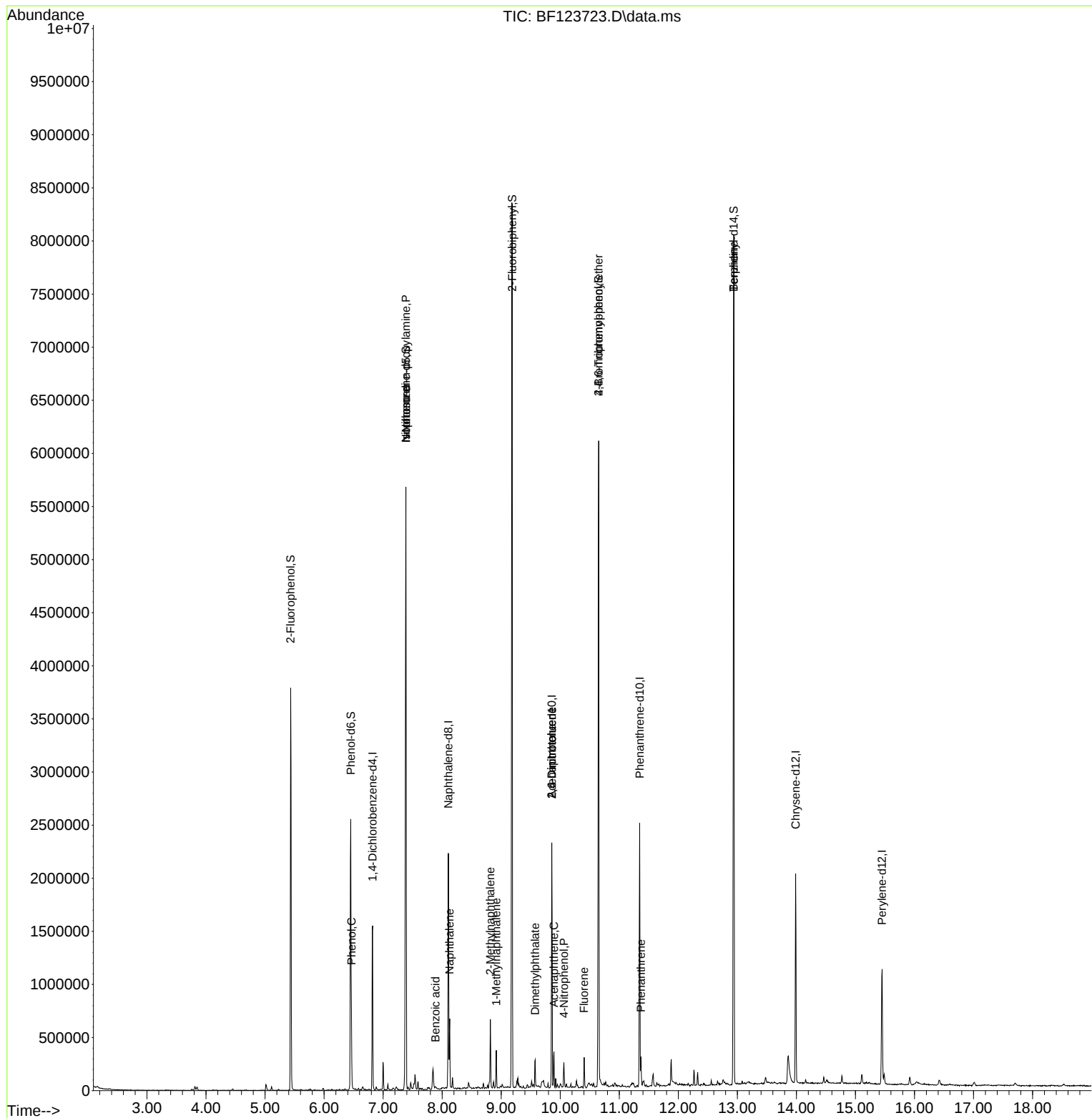
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	214557	20.00	ng	-0.02
21) Naphthalene-d8	8.104	136	814640	20.00	ng	-0.02
39) Acenaphthene-d10	9.857	164	409299	20.00	ng	-0.03
64) Phenanthrene-d10	11.345	188	801453	20.00	ng	-0.03
76) Chrysene-d12	13.986	240	656800	20.00	ng	-0.04
86) Perylene-d12	15.451	264	499984	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	845120	63.66	ng	-0.02
7) Phenol-d6	6.451	99	693841	37.72	ng	-0.02
23) Nitrobenzene-d5	7.386	82	1721018	97.12	ng	-0.02
42) 2,4,6-Tribromophenol	10.651	330	707175	152.58	ng	-0.02
45) 2-Fluorobiphenyl	9.186	172	2606659	94.94	ng	-0.02
79) Terphenyl-d14	12.939	244	2566686	75.95	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.463	94	159675	8.17	ng	92
19) n-Nitroso-di-n-propyla...	7.386	70	237542	19.49	ng	# 76
25) Isophorone	7.386	82	1721001	50.06	ng	# 69
31) Naphthalene	8.127	128	236932	5.65	ng	99
32) Benzoic acid	7.886	122	131	4.56	ng	# 68
37) 2-Methylnaphthalene	8.816	142	140419	5.10	ng	94
38) 1-Methylnaphthalene	8.916	142	73659	2.83	ng	93
50) Dimethylphthalate	9.574	163	91856	3.25	ng	99
51) 2,6-Dinitrotoluene	9.857	165	54251	8.74	ng	# 12
52) Acenaphthene	9.892	154	68167	2.69	ng	97
56) 4-Nitrophenol	10.063	139	26544	4.81	ng	# 1
57) 2,4-Dinitrotoluene	9.857	165	54251	6.54	ng	# 17
58) Fluorene	10.404	166	63306	2.22	ng	99
67) 4-Bromophenyl-phenylether	10.651	248	39776	4.75	ng	# 1
71) Phenanthrene	11.368	178	90882	2.17	ng	99
77) Benzidine	12.939	184	36587	2.05	ng	97
89) Benzo(k)fluoranthene	15.051	252	360	Below Cal	#	6
92) Benzo(g,h,i)perylene	17.315	276	136	Below Cal	#	56

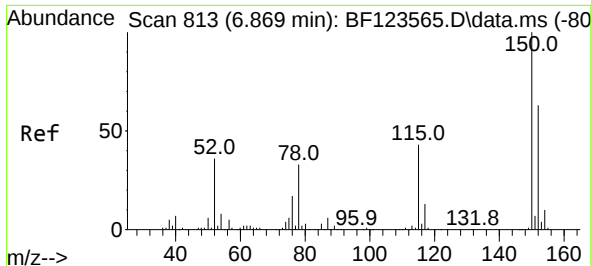
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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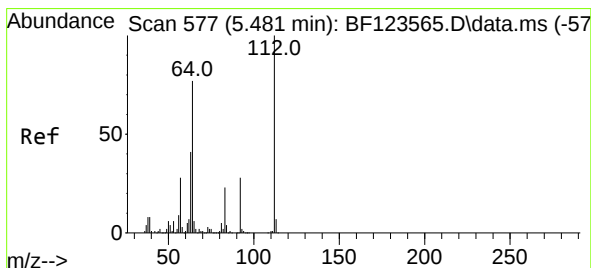
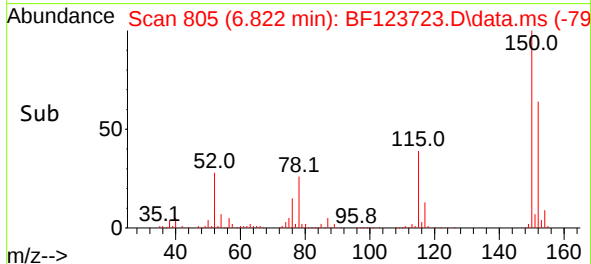
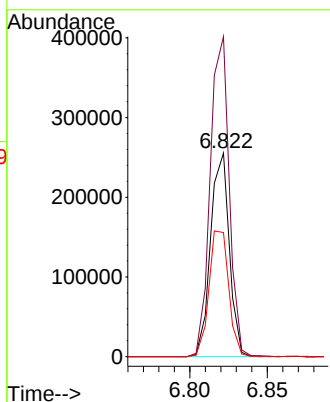
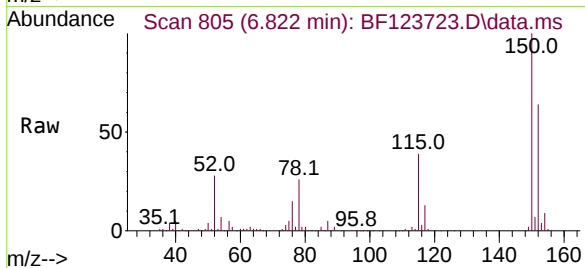




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.017 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

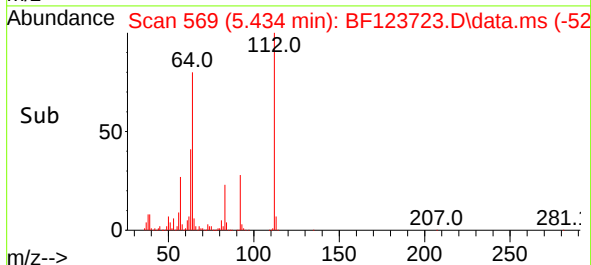
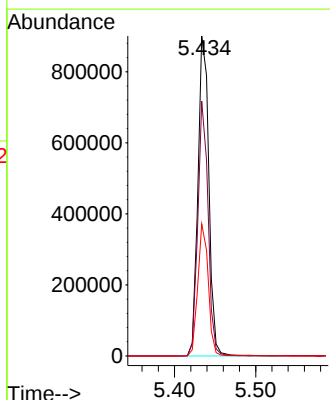
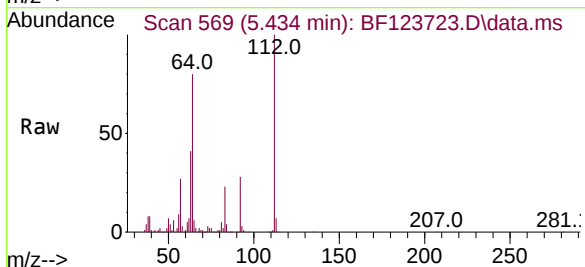
Instrument :
BNA_F
ClientSampleId :
TWP-20

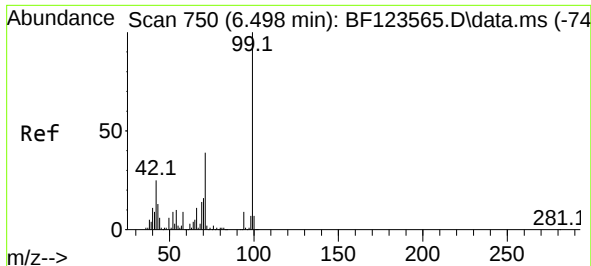
Tgt Ion:152 Resp: 214557
Ion Ratio Lower Upper
152 100
150 157.1 127.0 190.6
115 61.0 54.3 81.5



#5
2-Fluorophenol
Concen: 63.66 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.024 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

Tgt Ion:112 Resp: 845120
Ion Ratio Lower Upper
112 100
64 79.6 61.4 92.0
63 41.3 33.0 49.4

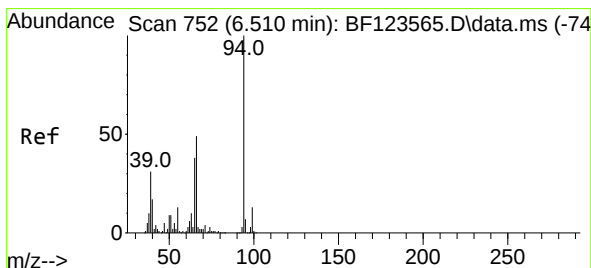
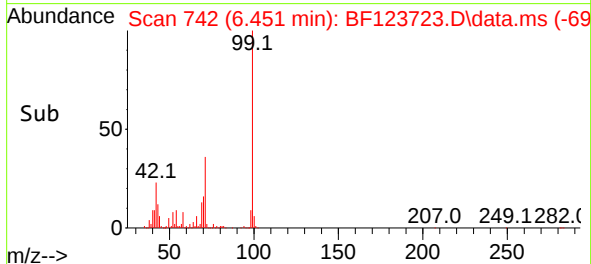
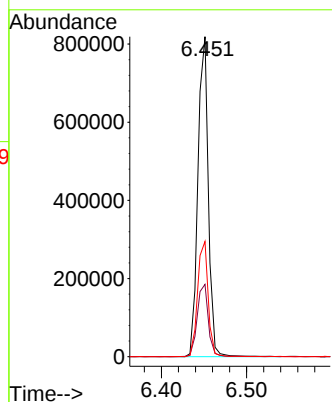
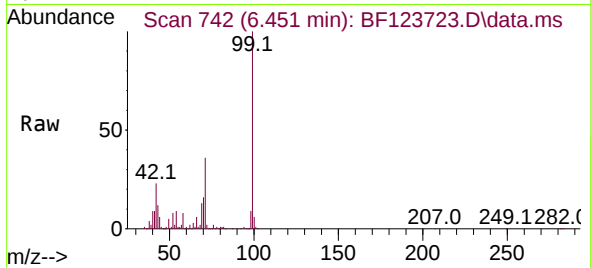




#7
Phenol-d6
Concen: 37.72 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.024 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

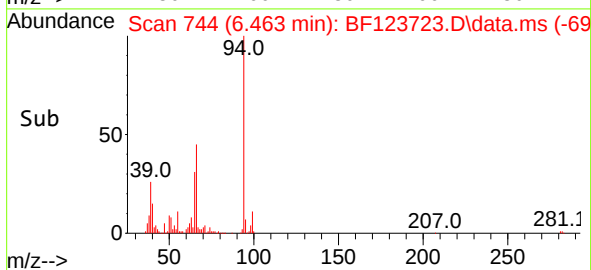
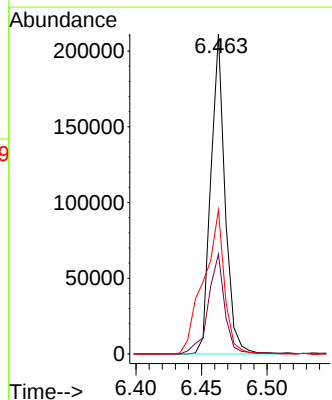
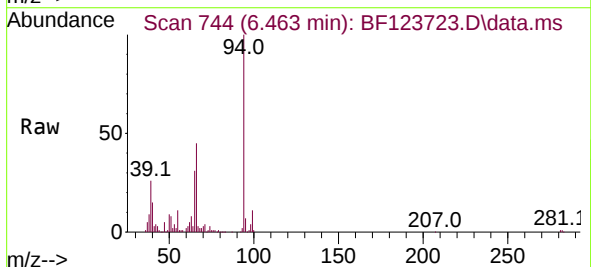
Instrument :
BNA_F
ClientSampleId :
TWP-20

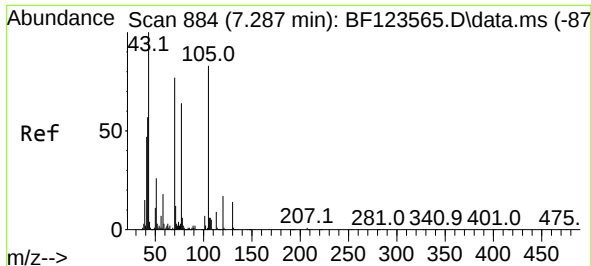
Tgt Ion: 99 Resp: 693841
Ion Ratio Lower Upper
99 100
42 22.6 19.8 29.8
71 36.0 31.1 46.7



#10
Phenol
Concen: 8.17 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.030 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

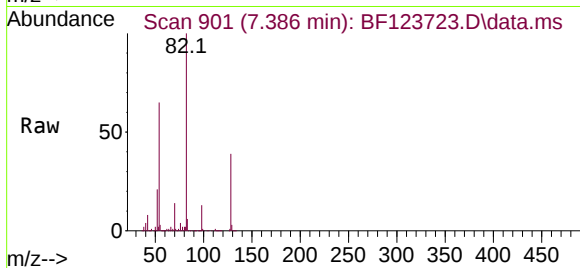
Tgt Ion: 94 Resp: 159675
Ion Ratio Lower Upper
94 100
65 31.2 18.1 58.1
66 45.1 29.0 69.0



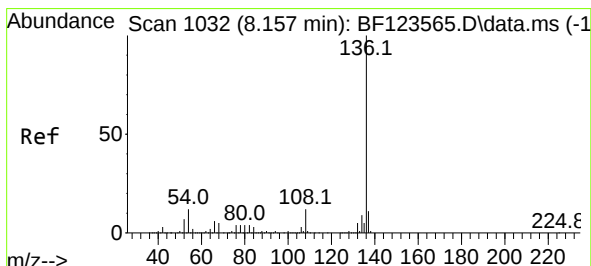
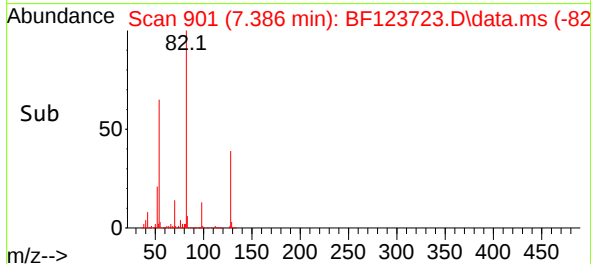
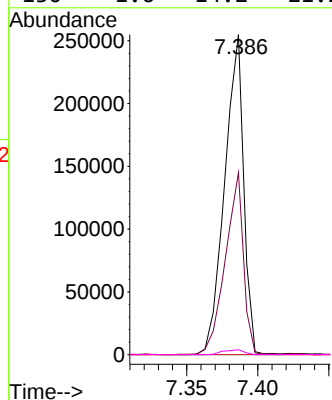


#19
n-Nitroso-di-n-propylamine
Concen: 19.49 ng
RT: 7.386 min Scan# 901
Delta R.T. 0.129 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

Instrument :
BNA_F
ClientSampleId :
TWP-20

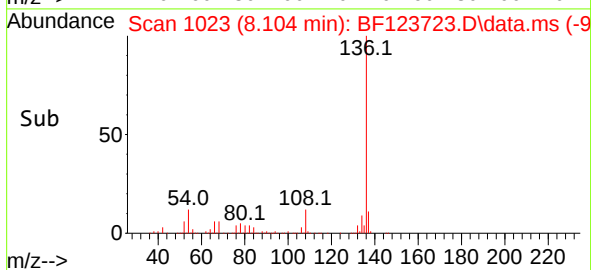
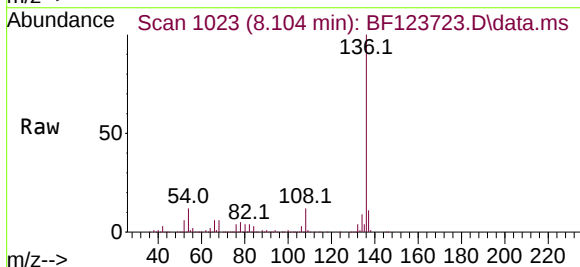
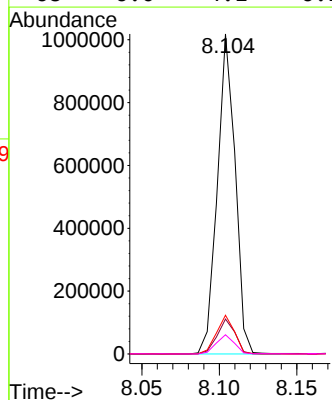


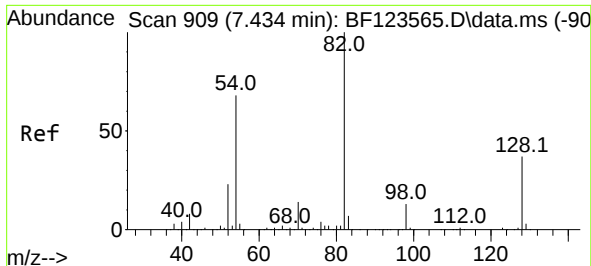
Tgt Ion: 70 Resp: 237542
Ion Ratio Lower Upper
70 100
42 56.9 60.1 90.1#
101 0.0 7.4 11.2#
130 1.6 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.024 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

Tgt Ion: 136 Resp: 814640
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 12.1 9.8 14.6
68 6.0 4.1 6.1





#23

Nitrobenzene-d5

Concen: 97.12 ng

RT: 7.386 min Scan# 901

Delta R.T. -0.018 min

Lab File: BF123723.D

Acq: 24 Apr 2021 18:22

Tgt Ion: 82 Resp: 1721018

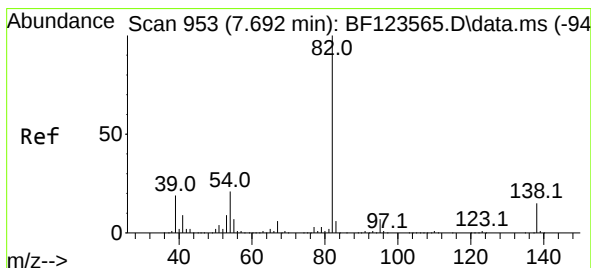
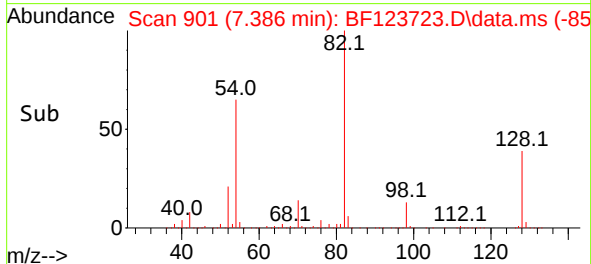
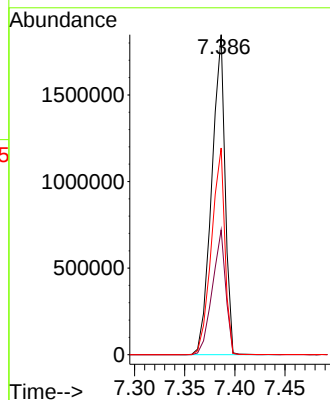
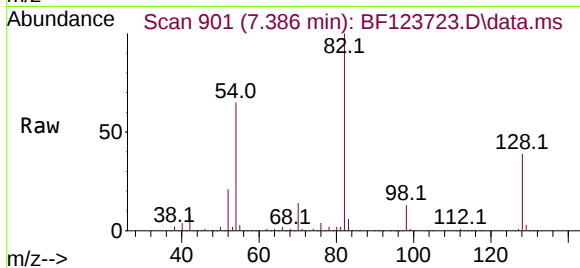
Ion	Ratio	Lower	Upper
82	100		
128	39.0	29.4	44.2
54	64.6	54.1	81.1

Instrument :

BNA_F

ClientSampleId :

TWP-20



#25

Isophorone

Concen: 50.06 ng

RT: 7.386 min Scan# 901

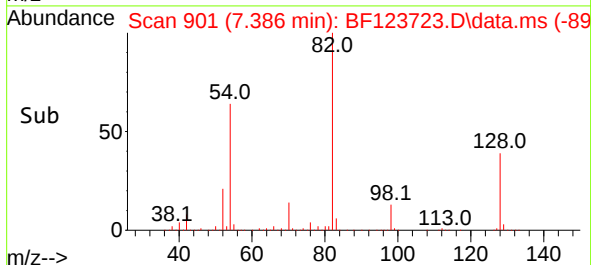
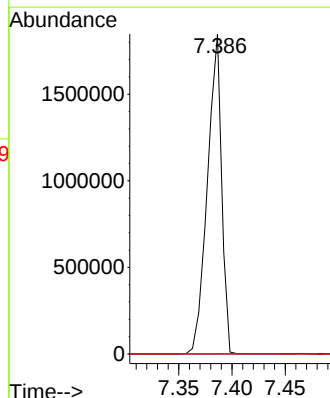
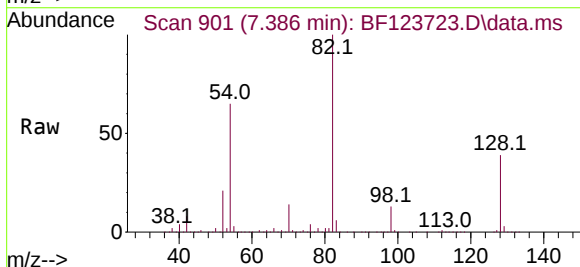
Delta R.T. -0.277 min

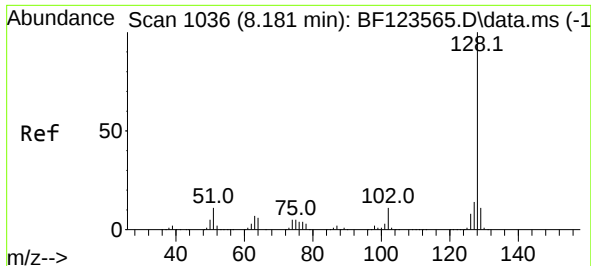
Lab File: BF123723.D

Acq: 24 Apr 2021 18:22

Tgt Ion: 82 Resp: 1721001

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

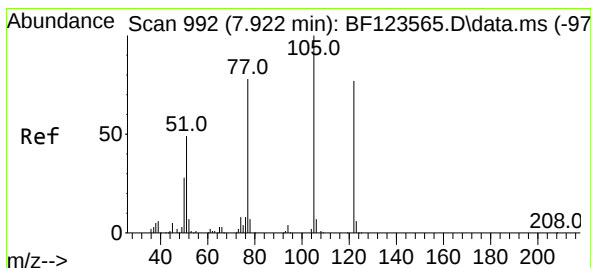
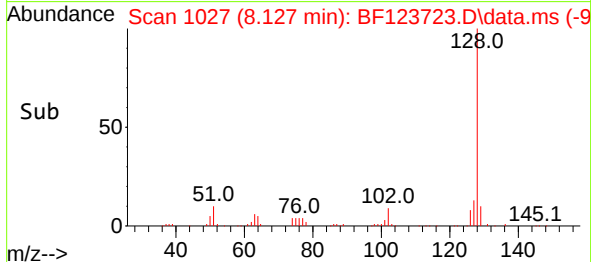
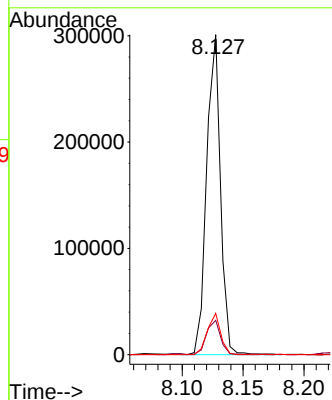
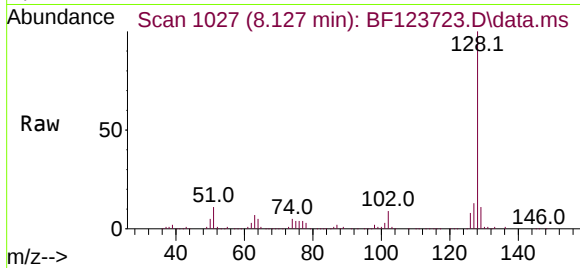




#31
Naphthalene
Concen: 5.65 ng
RT: 8.127 min Scan# 1027
Delta R.T. -0.024 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

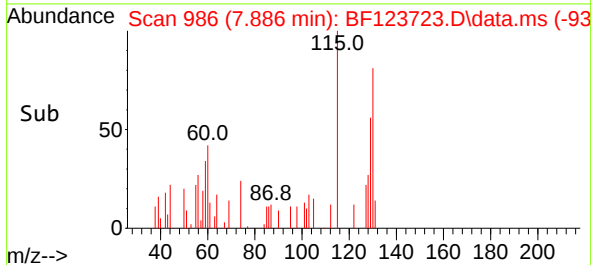
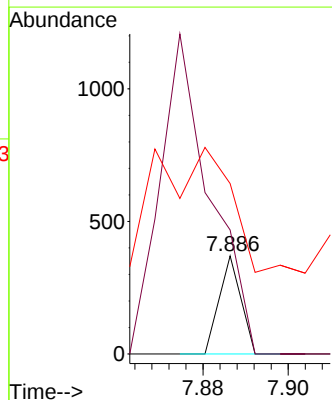
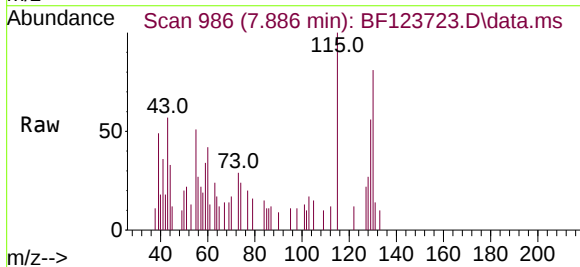
Instrument :
BNA_F
ClientSampled :
TWP-20

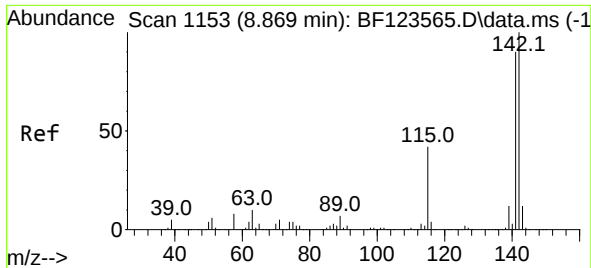
Tgt Ion:128 Resp: 236932
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 12.9 10.8 16.2



#32
Benzoic acid
Concen: 4.56 ng
RT: 7.886 min Scan# 986
Delta R.T. -0.012 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

Tgt Ion:122 Resp: 131
Ion Ratio Lower Upper
122 100
105 126.5 107.8 147.8
77 173.8 81.6 121.6#

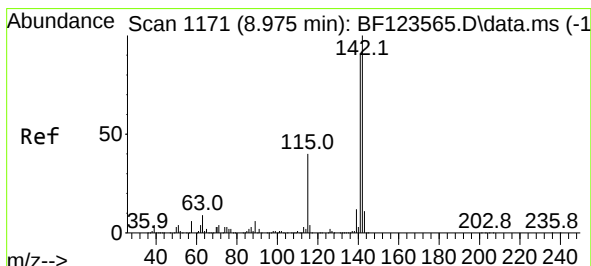
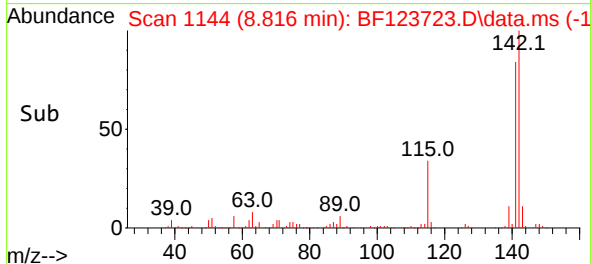
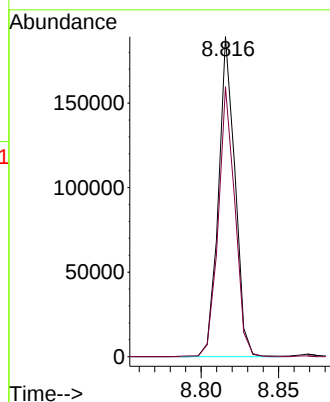
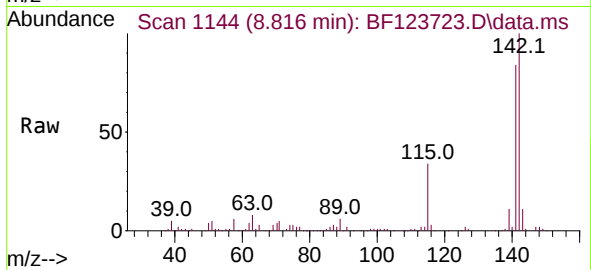




#37
2-Methylnaphthalene
Concen: 5.10 ng
RT: 8.816 min Scan# 1144
Delta R.T. -0.024 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

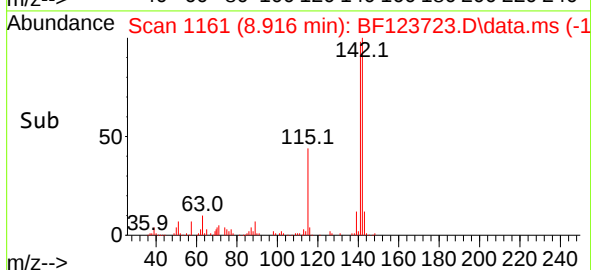
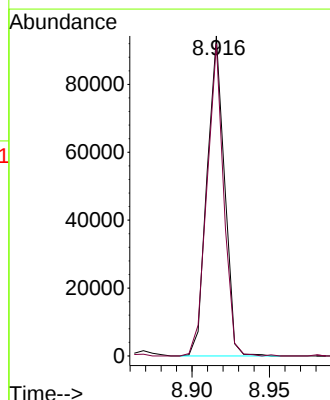
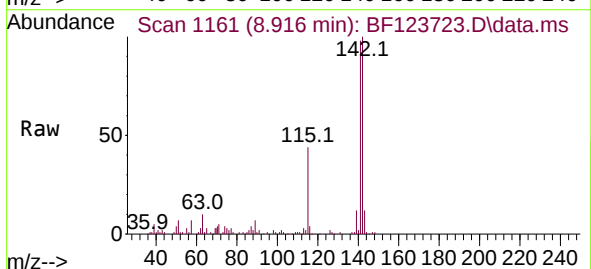
Instrument :
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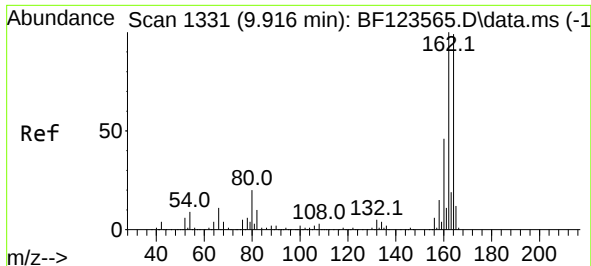
Tgt Ion:142 Resp: 140419
Ion Ratio Lower Upper
142 100
141 84.4 71.8 107.6



#38
1-Methylnaphthalene
Concen: 2.83 ng
RT: 8.916 min Scan# 1161
Delta R.T. -0.024 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

Tgt Ion:142 Resp: 73659
Ion Ratio Lower Upper
142 100
141 97.6 72.8 109.2

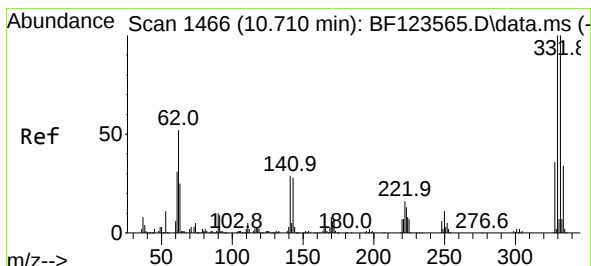
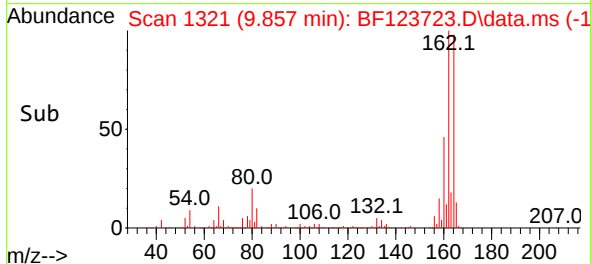
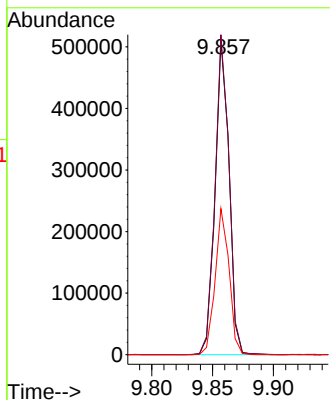
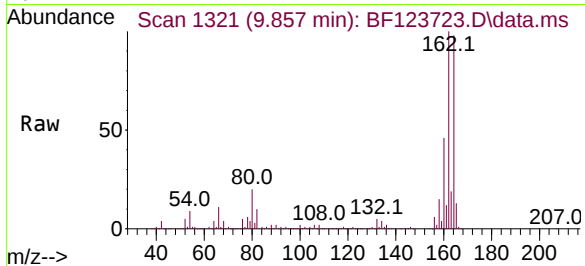




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.030 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

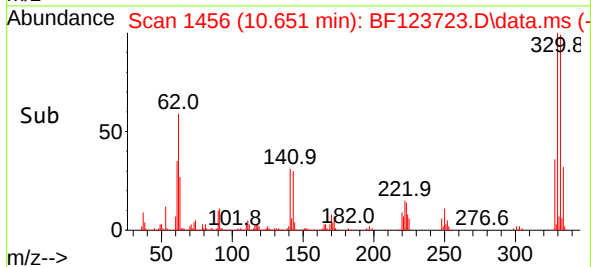
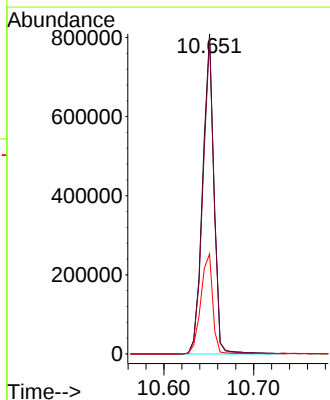
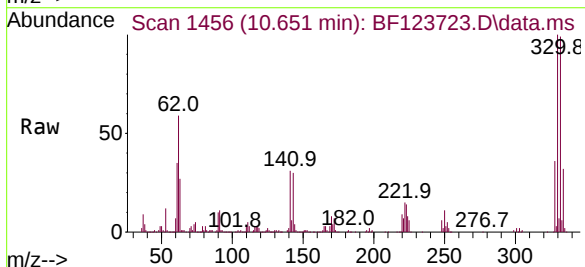
Instrument :
BNA_F
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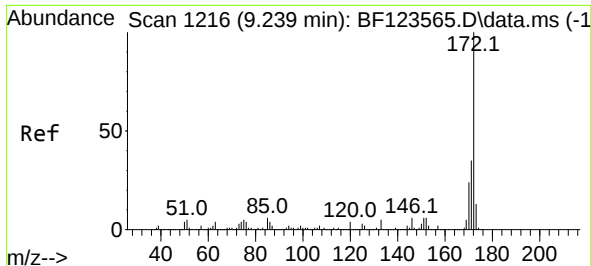
Tgt Ion:164 Resp: 409299
Ion Ratio Lower Upper
164 100
162 101.9 80.7 121.1
160 46.5 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 152.58 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.024 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

Tgt Ion:330 Resp: 707175
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 33.3 27.9 41.9

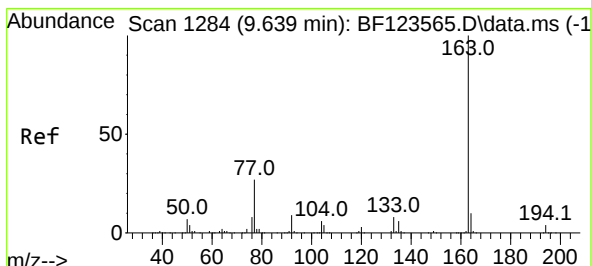
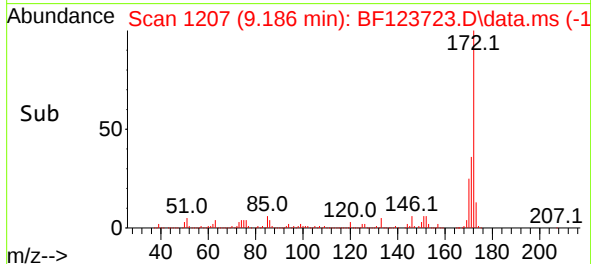
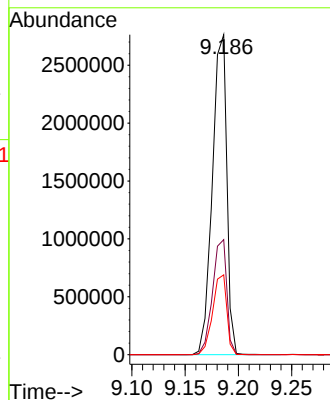
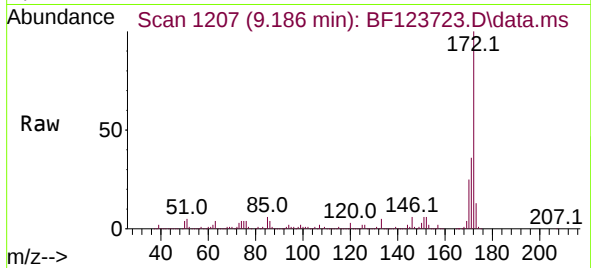




#45
2-Fluorobiphenyl
Concen: 94.94 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.018 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

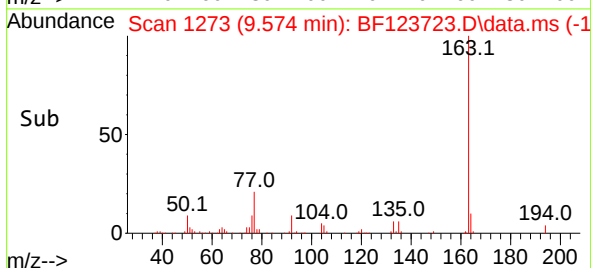
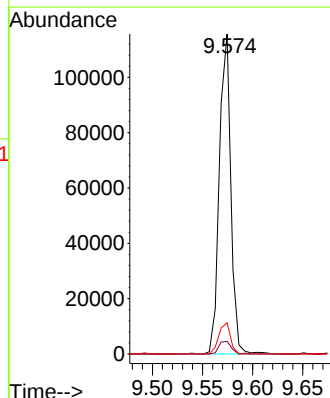
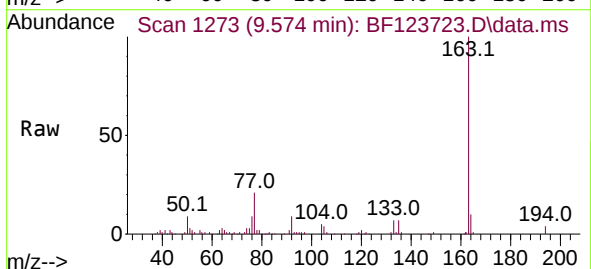
Instrument :
BNA_F
ClientSampleId :
TWP-20

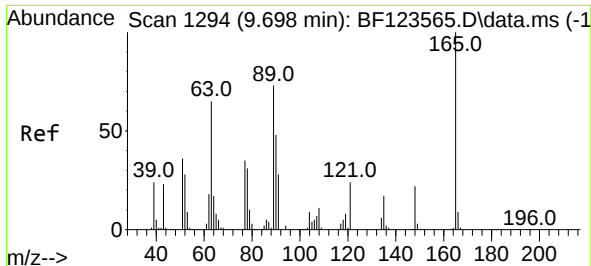
Tgt Ion:172 Resp: 2606659
Ion Ratio Lower Upper
172 100
171 35.9 28.1 42.1
170 25.0 19.2 28.8



#50
Dimethylphthalate
Concen: 3.25 ng
RT: 9.574 min Scan# 1273
Delta R.T. -0.035 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

Tgt Ion:163 Resp: 91856
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.8 8.2 12.2

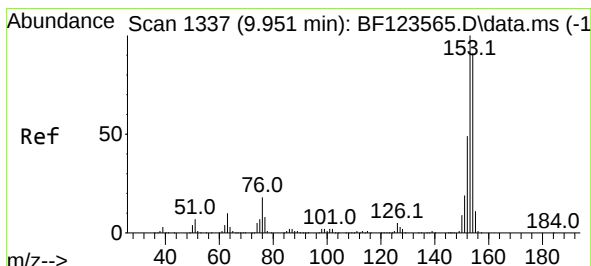
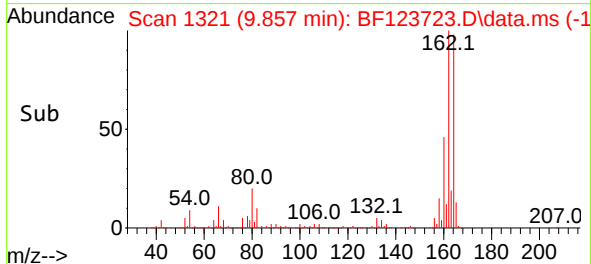
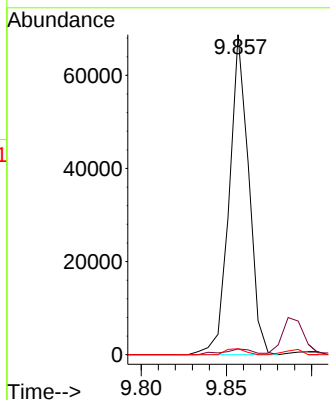
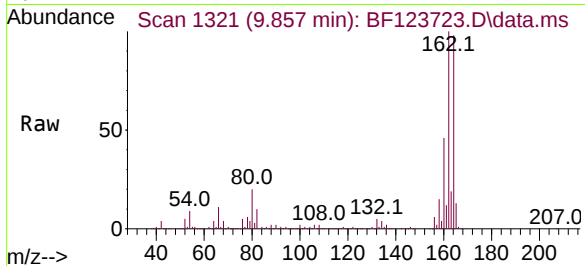




#51
2,6-Dinitrotoluene
Concen: 8.74 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.188 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

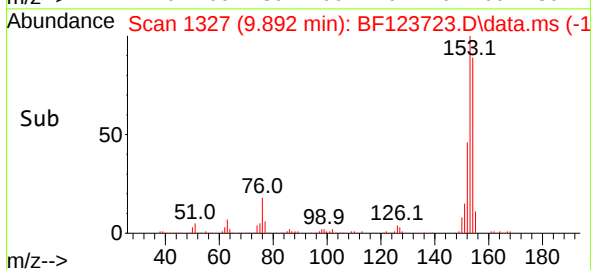
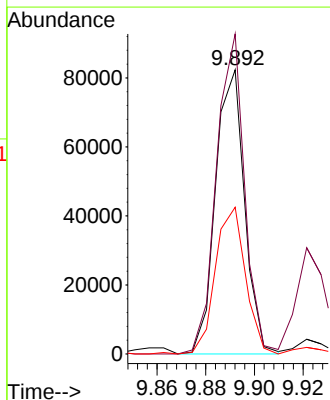
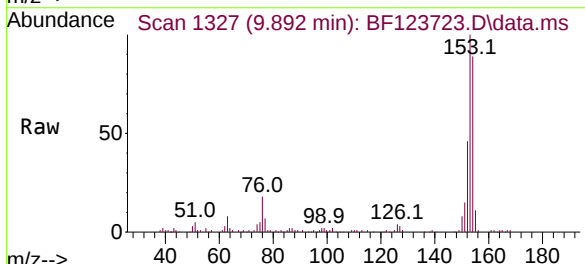
Instrument :
BNA_F
ClientSampled :
TWP-20

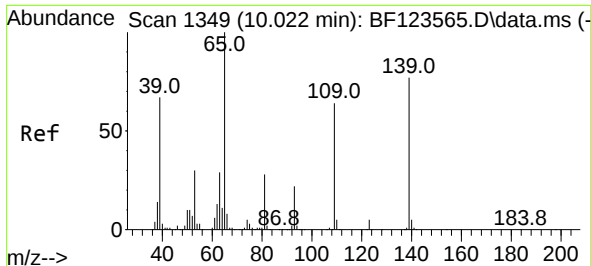
Tgt Ion:165 Resp: 54251
Ion Ratio Lower Upper
165 100
63 1.8 67.7 101.5#
89 1.9 58.8 88.2#



#52
Acenaphthene
Concen: 2.69 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.029 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

Tgt Ion:154 Resp: 68167
Ion Ratio Lower Upper
154 100
153 112.6 88.1 132.1
152 51.6 43.4 65.0

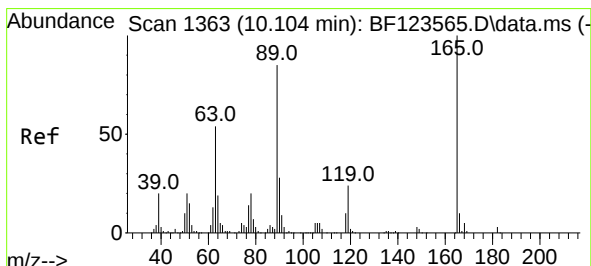
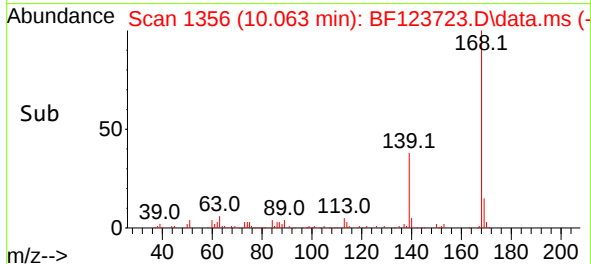
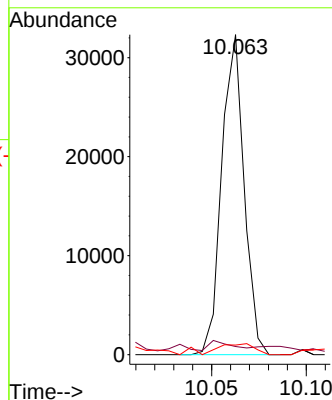
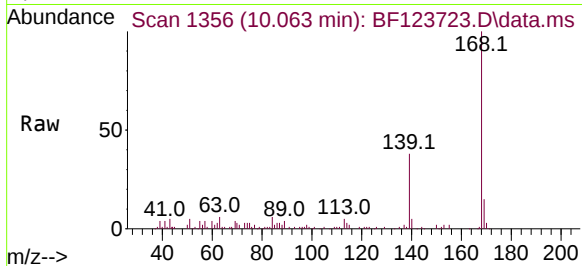




#56
4-Nitrophenol
Concen: 4.81 ng
RT: 10.063 min Scan# 1356
Delta R.T. 0.059 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

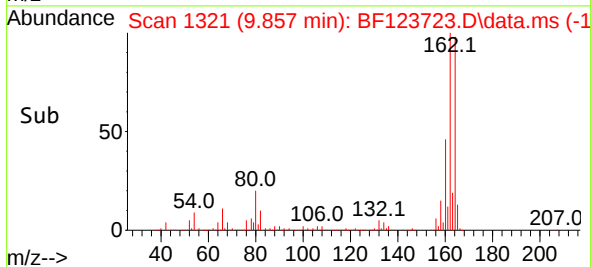
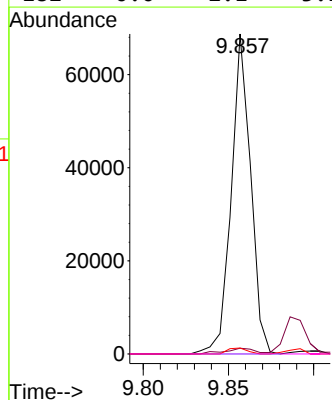
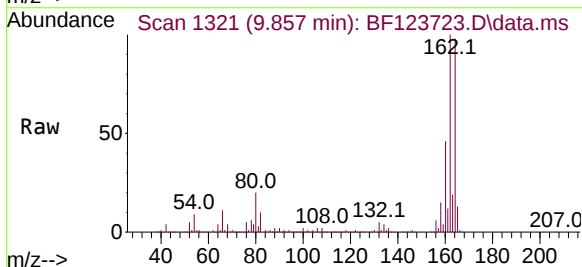
Instrument :
BNA_F
ClientSampleId :
TWP-20

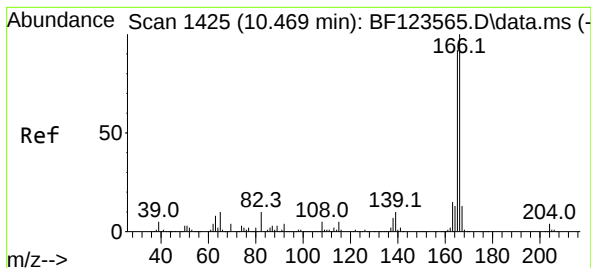
Tgt Ion:139 Resp: 26544
Ion Ratio Lower Upper
139 100
109 2.6 63.2 103.2#
65 3.0 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 6.54 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.218 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

Tgt Ion:165 Resp: 54251
Ion Ratio Lower Upper
165 100
63 1.8 43.5 65.3#
89 1.9 67.7 101.5#
182 0.0 2.1 3.1#





#58

Fluorene

Concen: 2.22 ng

RT: 10.404 min Scan# 1414

Delta R.T. -0.029 min

Lab File: BF123723.D

Acq: 24 Apr 2021 18:22

Tgt Ion:166 Resp: 63306

Ion Ratio Lower Upper

166 100

165 92.2 73.5 110.3

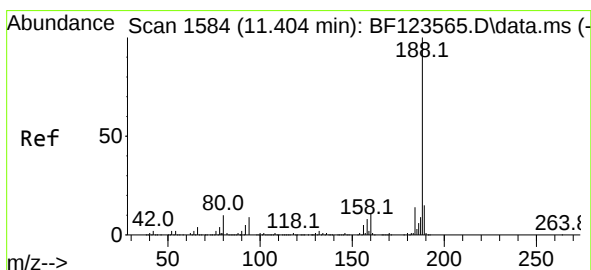
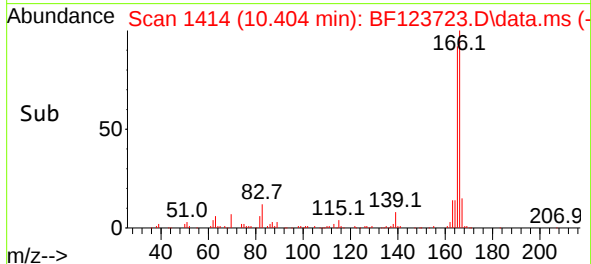
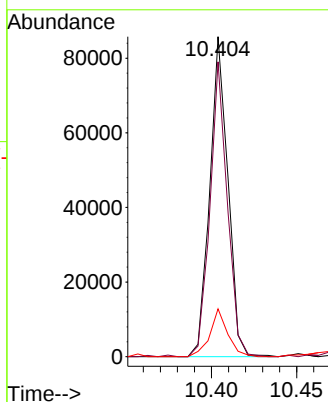
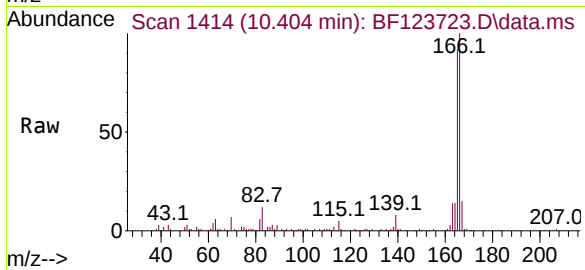
167 15.0 10.7 16.1

Instrument :

BNA_F

ClientSampleId :

TWP-20



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.029 min

Lab File: BF123723.D

Acq: 24 Apr 2021 18:22

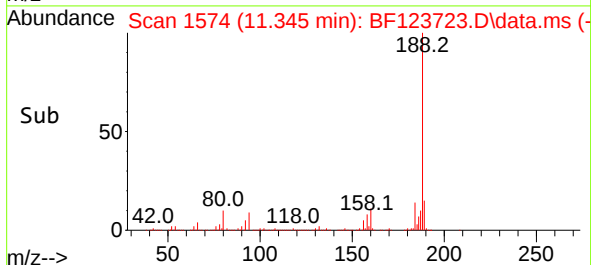
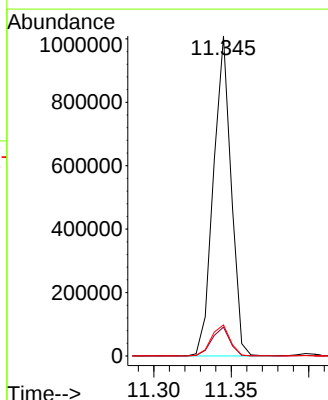
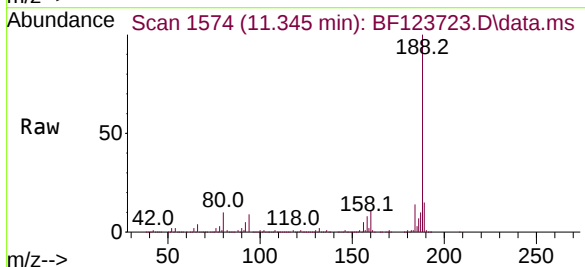
Tgt Ion:188 Resp: 801453

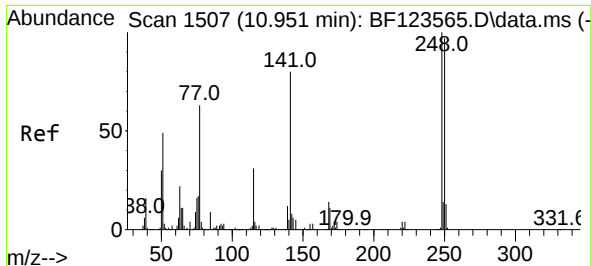
Ion Ratio Lower Upper

188 100

94 9.0 6.9 10.3

80 9.7 8.2 12.2

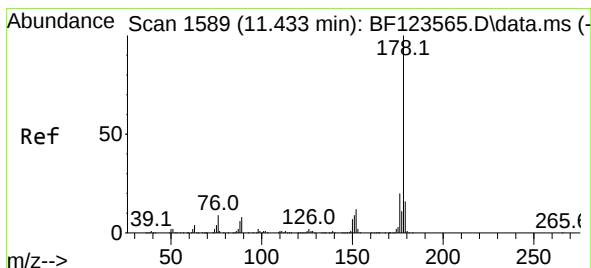
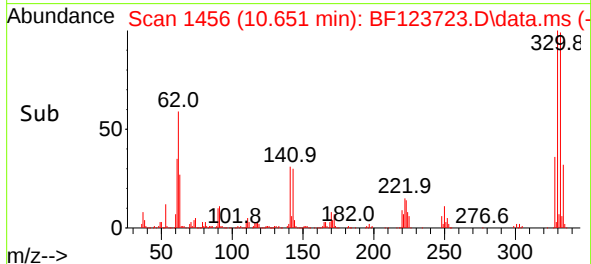
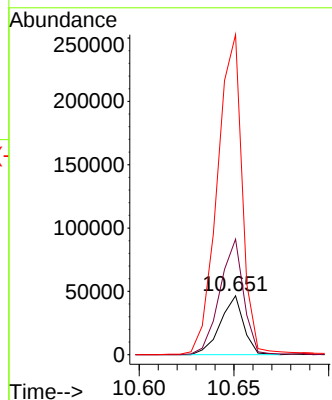
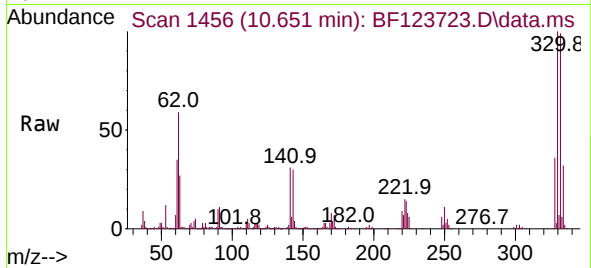




#67
4-Bromophenyl-phenylether
Concen: 4.75 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.265 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

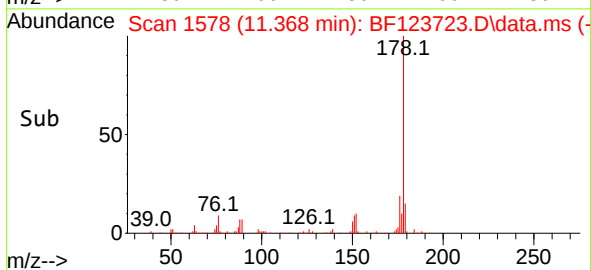
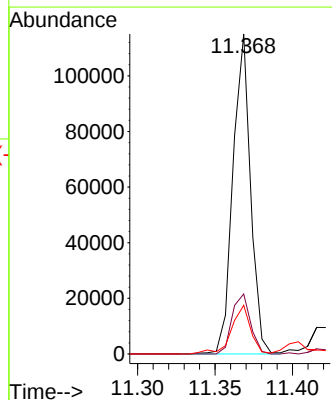
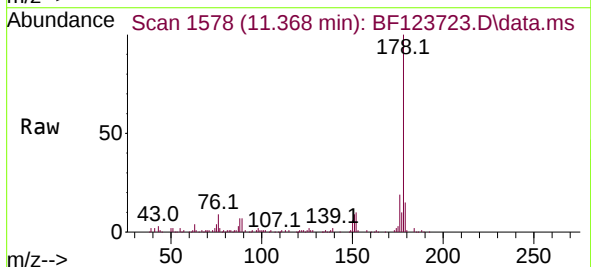
Instrument :
BNA_F
ClientSampleId :
TWP-20

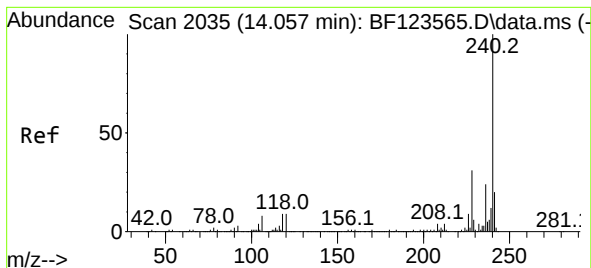
Tgt Ion:248 Resp: 39776
Ion Ratio Lower Upper
248 100
250 196.1 77.4 116.2#
141 542.9 63.7 95.5#



#71
Phenanthrene
Concen: 2.17 ng
RT: 11.368 min Scan# 1578
Delta R.T. -0.030 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

Tgt Ion:178 Resp: 90882
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.2 12.5 18.7

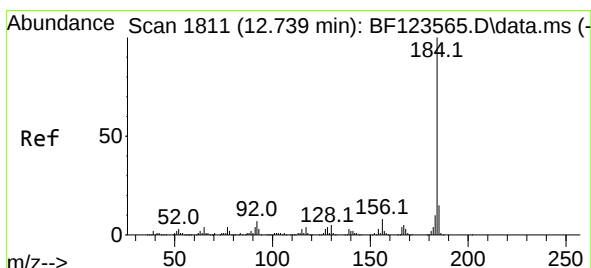
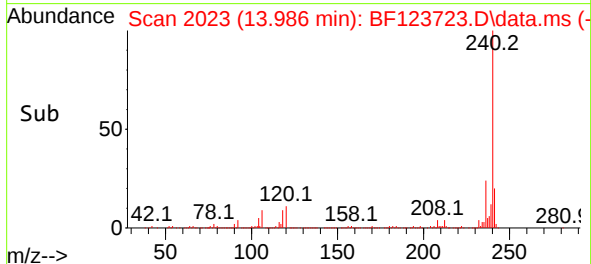
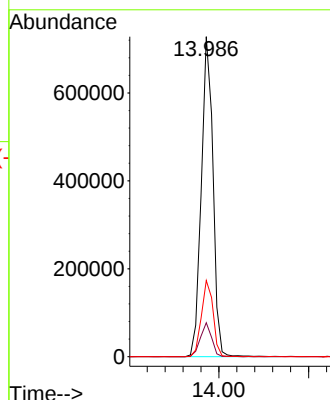
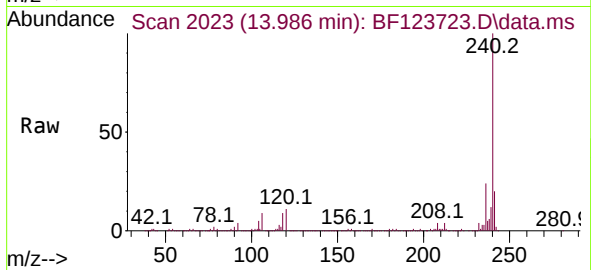




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.035 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

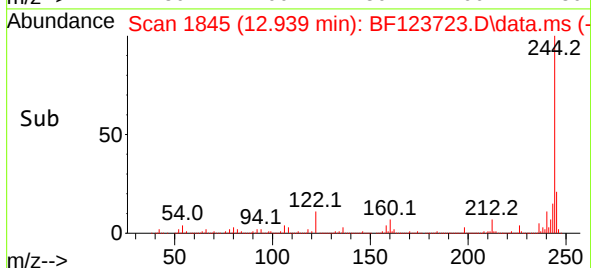
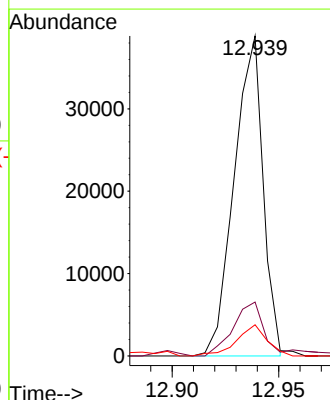
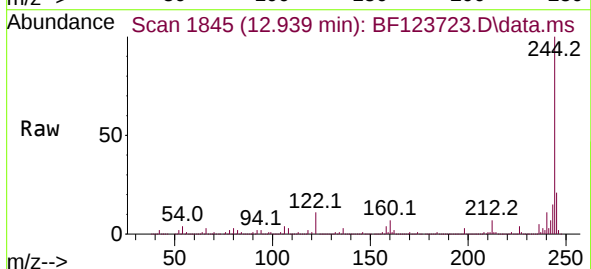
Instrument :
BNA_F
ClientSampleId :
TWP-20

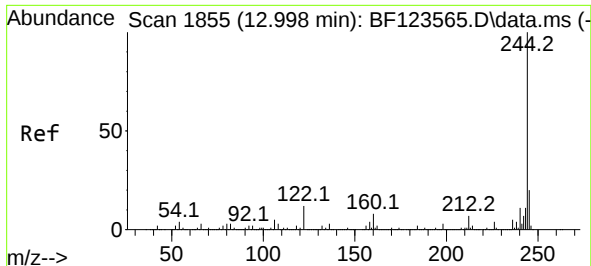
Tgt Ion:240 Resp: 656800
Ion Ratio Lower Upper
240 100
120 10.6 7.2 10.8
236 23.8 19.0 28.4



#77
Benzidine
Concen: 2.05 ng
RT: 12.939 min Scan# 1845
Delta R.T. 0.229 min
Lab File: BF123723.D
Acq: 24 Apr 2021 18:22

Tgt Ion:184 Resp: 36587
Ion Ratio Lower Upper
184 100
185 16.9 12.1 18.1
183 9.7 7.8 11.8

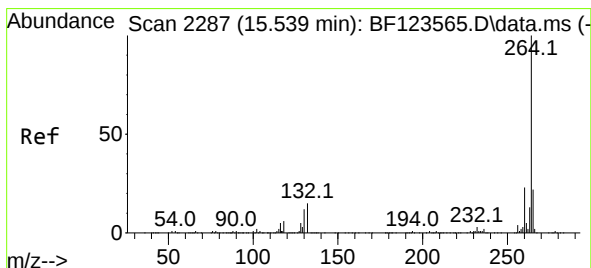
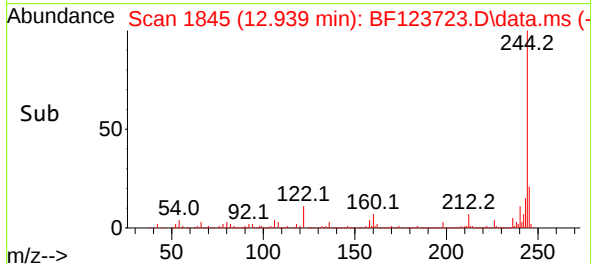
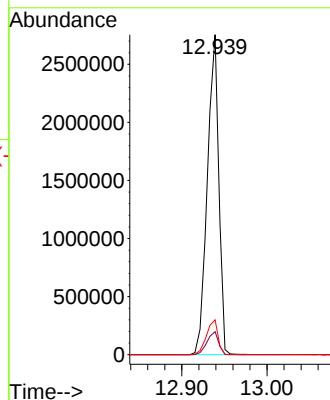
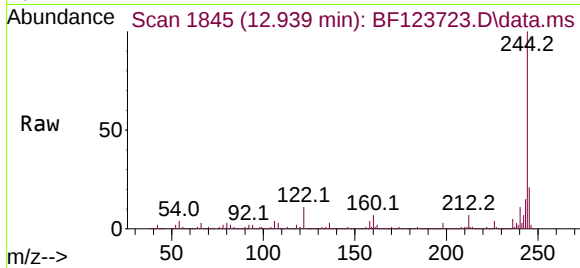




#79
 Terphenyl-d14
 Concen: 75.95 ng
 RT: 12.939 min Scan# 1845
 Delta R.T. -0.024 min
 Lab File: BF123723.D
 Acq: 24 Apr 2021 18:22

Instrument :
 BNA_F
 ClientSampleId :
 TWP-20

Tgt Ion:244 Resp: 2566686
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 10.9 9.7 14.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.451 min Scan# 2272
 Delta R.T. -0.041 min
 Lab File: BF123723.D
 Acq: 24 Apr 2021 18:22

Tgt Ion:264 Resp: 499984
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.7 28.1
 265 20.4 17.8 26.8

