

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030221\
 Data File : BF123337.D
 Acq On : 2 Mar 2021 15:39
 Operator : JU/CG
 Sample : M1500-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

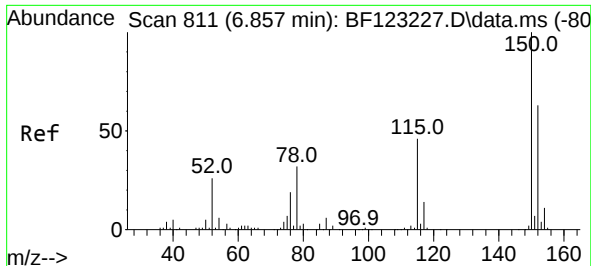
Instrument :
 BNA_F
 ClientSampleId :
 T-2

Quant Time: Mar 02 17:18:26 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 19 16:08:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	135637	20.00	ng	# 0.00
21) Naphthalene-d8	8.145	136	445475	20.00	ng	# 0.00
39) Acenaphthene-d10	9.910	164	277840	20.00	ng	0.00
64) Phenanthrene-d10	11.398	188	488550	20.00	ng	# 0.00
76) Chrysene-d12	14.039	240	344619	20.00	ng	0.00
86) Perylene-d12	15.515	264	300130	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	805645	85.50	ng	0.00
7) Phenol-d6	6.487	99	1048011	81.86	ng	0.00
23) Nitrobenzene-d5	7.416	82	711759	73.14	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	245803	86.88	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1076555	55.66	ng	0.00
79) Terphenyl-d14	12.986	244	1091510	60.90	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	2818	Below Cal	#	1
10) Phenol	6.498	94	29906	2.14	ng	86
18) Hexachloroethane	7.345	117	26650	6.87	ng	# 1
19) n-Nitroso-di-n-propyla...	7.287	70	25258	3.32	ng	# 64
22) Acetophenone	7.251	105	350006	30.29	ng	# 56
24) Nitrobenzene	7.428	77	26596	2.59	ng	# 21
25) Isophorone	7.669	82	63923	3.51	ng	# 1
35) Caprolactam	8.604	113	8482	3.68	ng	# 1
37) 2-Methylnaphthalene	8.857	142	114265	7.03	ng	99
38) 1-Methylnaphthalene	8.957	142	434580	28.57	ng	99
46) 1,1'-Biphenyl	9.322	154	91610	3.97	ng	94
52) Acenaphthene	9.939	154	85847	4.51	ng	# 83
55) Dibenzofuran	10.110	168	55663	2.16	ng	# 1
56) 4-Nitrophenol	10.016	139	69152	16.33	ng	# 70
57) 2,4-Dinitrotoluene	10.116	165	44697	6.94	ng	# 58
58) Fluorene	10.457	166	176759	8.72	ng	# 90
66) n-Nitrosodiphenylamine	10.569	169	246178	14.57	ng	# 53
71) Phenanthrene	11.427	178	555151	19.22	ng	96
72) Anthracene	11.427	178	555151	19.26	ng	97
78) Pyrene	12.845	202	128418	4.77	ng	# 95

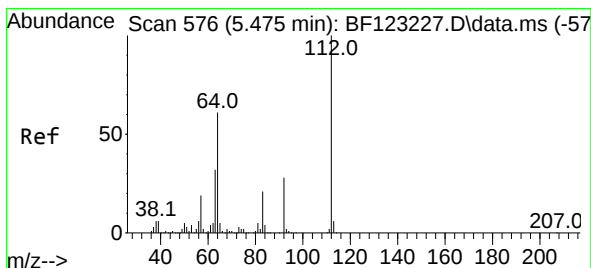
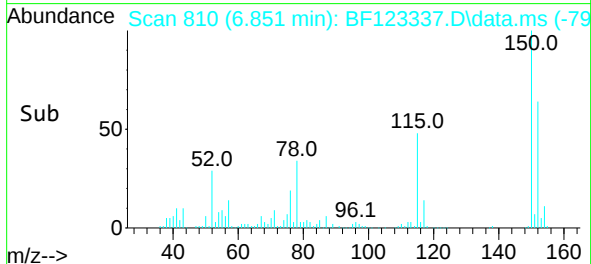
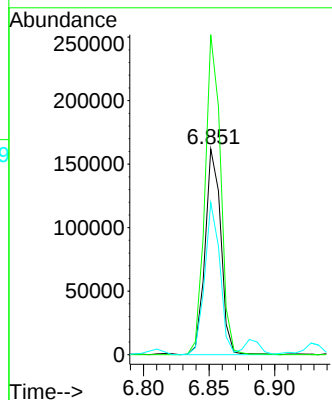
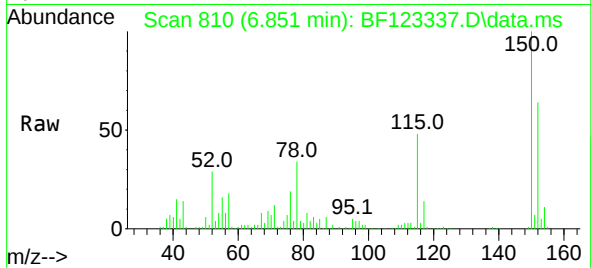
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

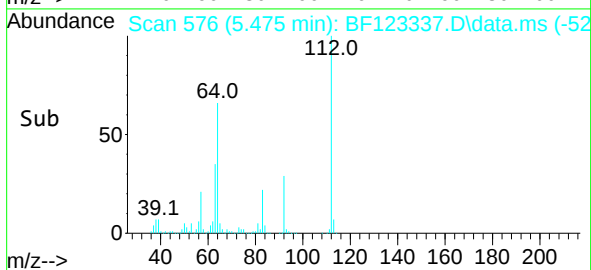
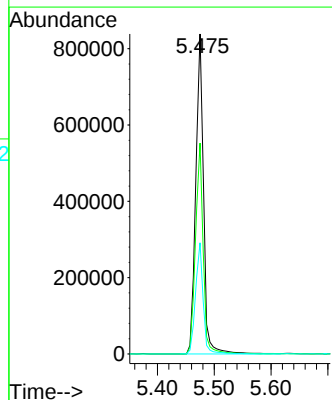
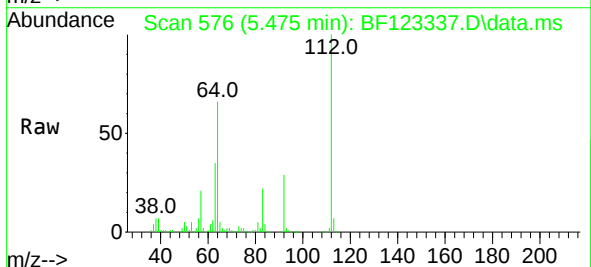
Instrument :
BNA_F
ClientSampleId :
T-2

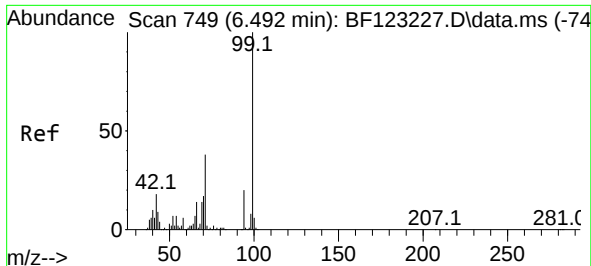
Tgt Ion:152 Resp: 135637
Ion Ratio Lower Upper
152 100
150 155.5 125.8 188.6
115 74.0 49.3 73.9#



#5
2-Fluorophenol
Concen: 85.50 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

Tgt Ion:112 Resp: 805645
Ion Ratio Lower Upper
112 100
64 65.9 46.9 70.3
63 34.7 24.5 36.7

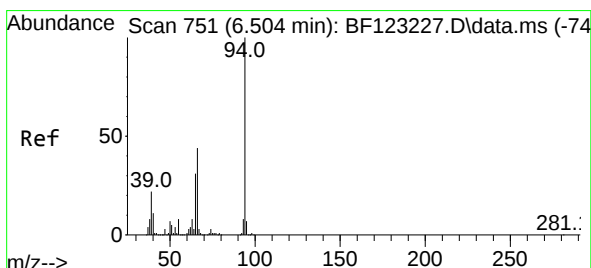
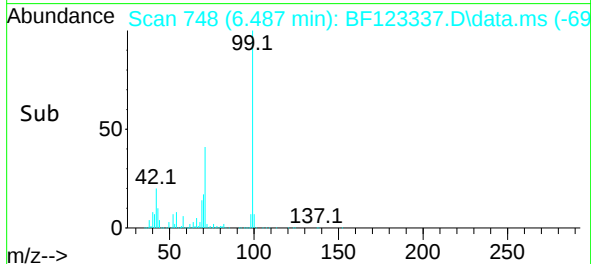
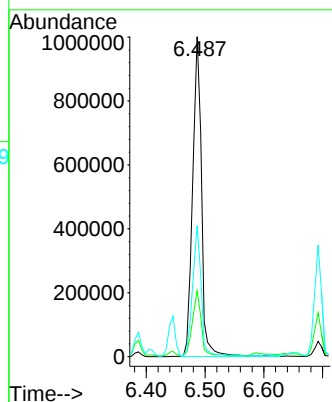
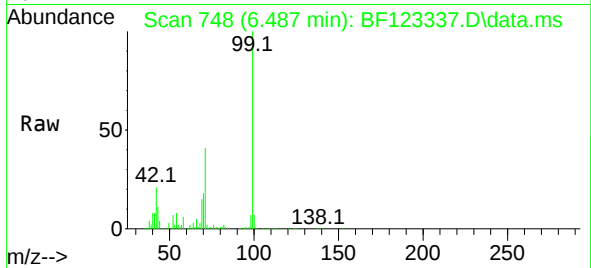




#7
Phenol-d6
Concen: 81.86 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

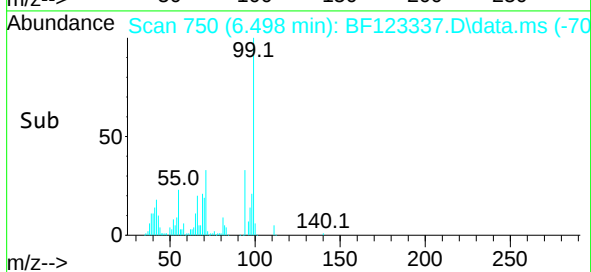
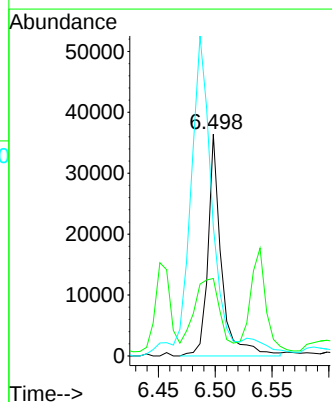
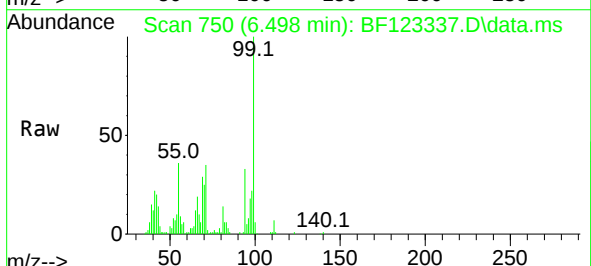
Instrument :
BNA_F
ClientSampleId :
T-2

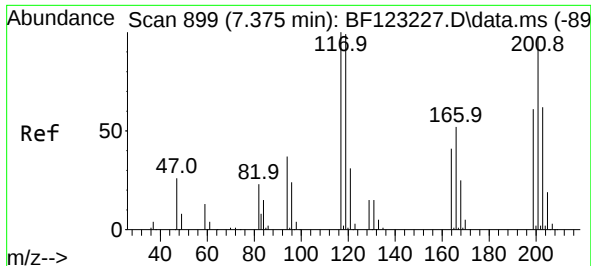
Tgt Ion: 99 Resp: 1048011
Ion Ratio Lower Upper
99 100
42 20.6 13.8 20.6
71 40.9 26.9 40.3#



#10
Phenol
Concen: 2.14 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

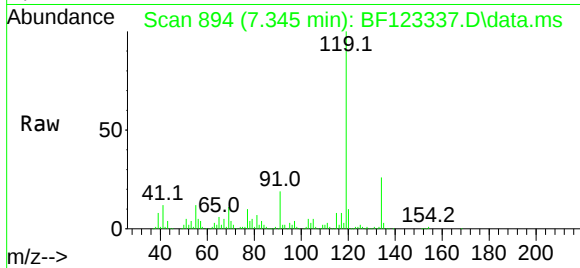
Tgt Ion: 94 Resp: 29906
Ion Ratio Lower Upper
94 100
65 34.9 11.2 51.2
66 58.4 25.8 65.8



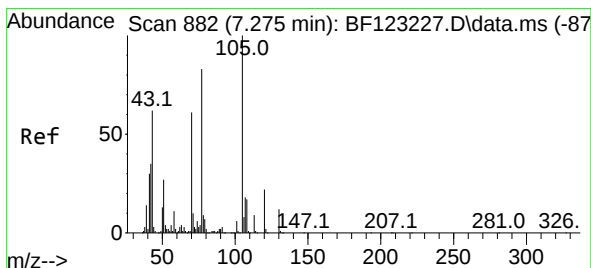
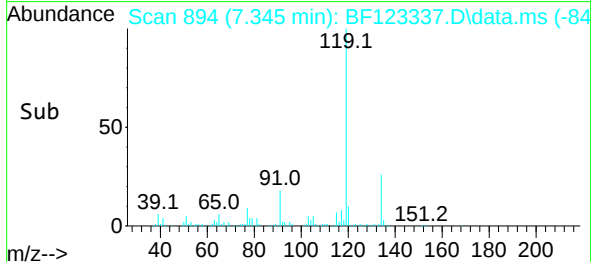
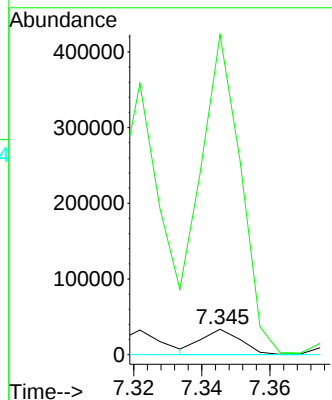


#18
Hexachloroethane
Concen: 6.87 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.029 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

Instrument :
BNA_F
ClientSampleId :
T-2

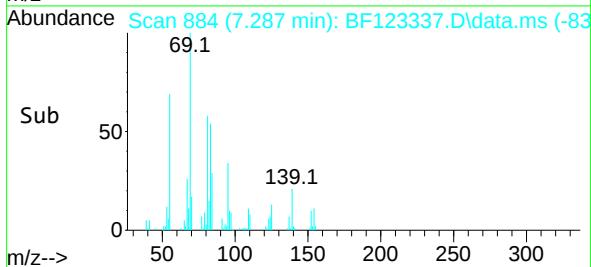
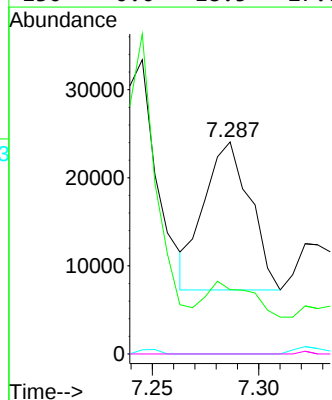
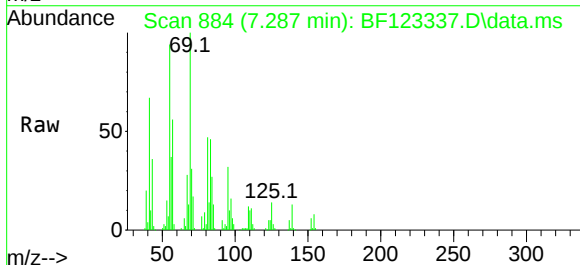


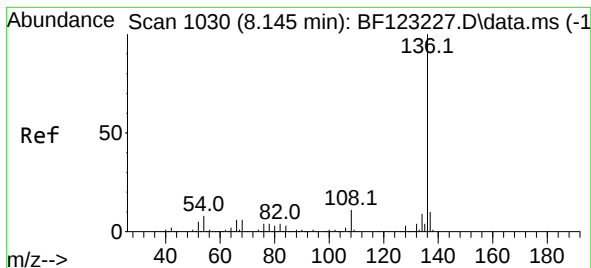
Tgt Ion:117 Resp: 26650
Ion Ratio Lower Upper
117 100
119 1254.2 78.4 117.6#
201 0.0 79.6 119.4#



#19
n-Nitroso-di-n-propylamine
Concen: 3.32 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.012 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

Tgt Ion: 70 Resp: 25258
Ion Ratio Lower Upper
70 100
42 30.4 43.0 64.4#
101 0.0 7.9 11.9#
130 0.0 18.5 27.7#

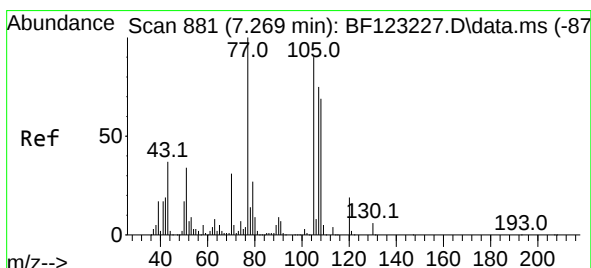
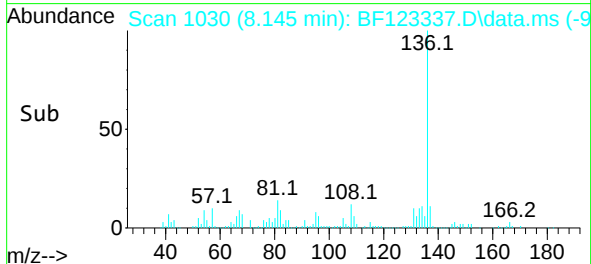
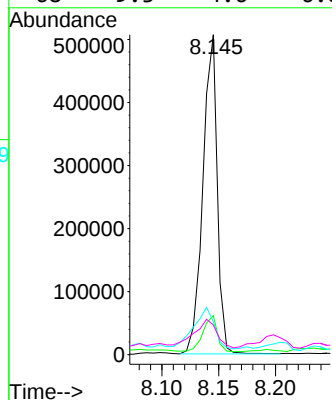
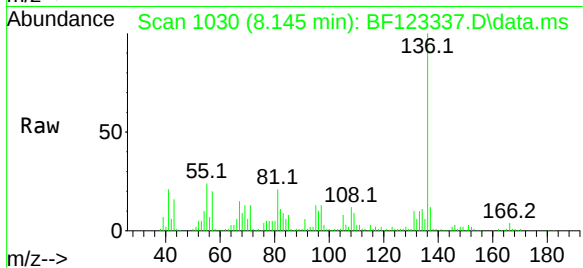




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

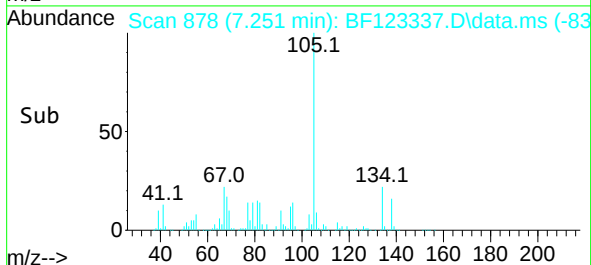
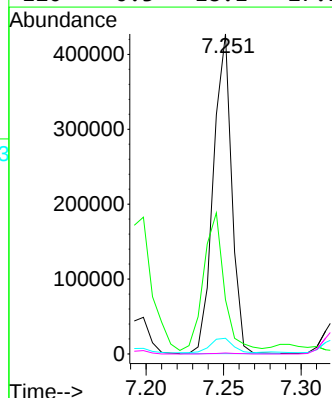
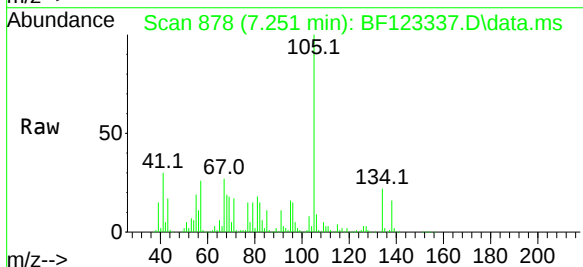
Instrument :
BNA_F
ClientSampled :
T-2

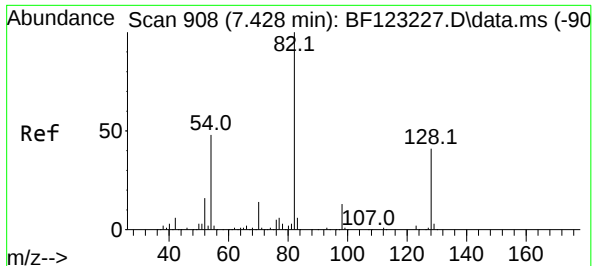
Tgt Ion:	136	Resp:	445475
Ion Ratio	Lower	Upper	
136	100		
137	12.2	8.8	13.2
54	10.3	5.5	8.3#
68	9.3	4.6	6.8#



#22
Acetophenone
Concen: 30.29 ng
RT: 7.251 min Scan# 878
Delta R.T. -0.018 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

Tgt Ion:	105	Resp:	350006
Ion Ratio	Lower	Upper	
105	100		
71	17.0	6.5	9.7#
51	4.9	24.3	36.5#
120	0.3	18.1	27.1#





#23

Nitrobenzene-d5

Concen: 73.14 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF123337.D

Acq: 2 Mar 2021 15:39

Tgt Ion: 82 Resp: 711759

Ion Ratio Lower Upper

82 100

128 36.2 37.0 55.4#

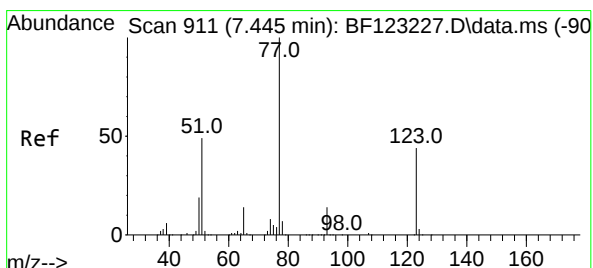
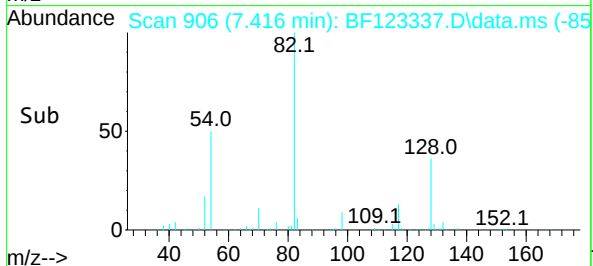
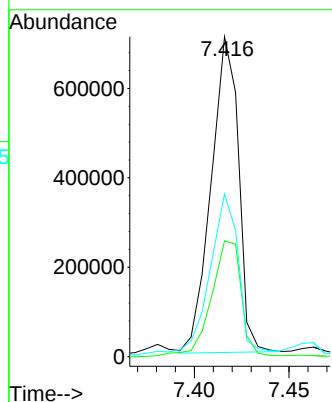
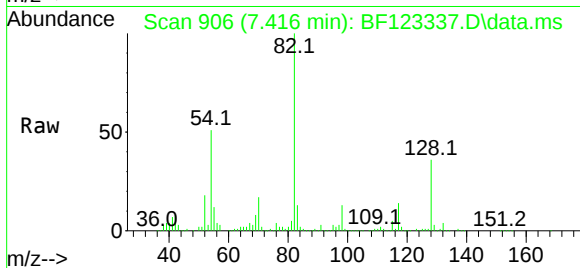
54 50.9 38.4 57.6

Instrument :

BNA_F

ClientSampled :

T-2



#24

Nitrobenzene

Concen: 2.59 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.018 min

Lab File: BF123337.D

Acq: 2 Mar 2021 15:39

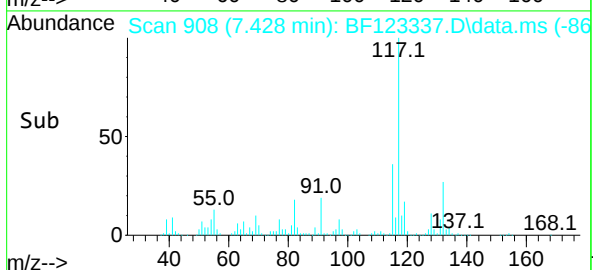
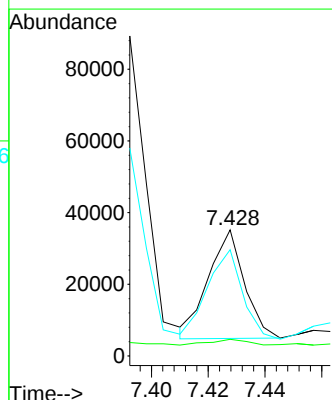
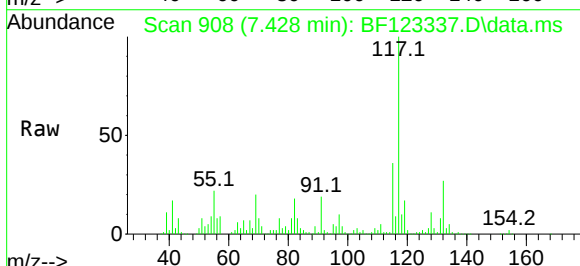
Tgt Ion: 77 Resp: 26596

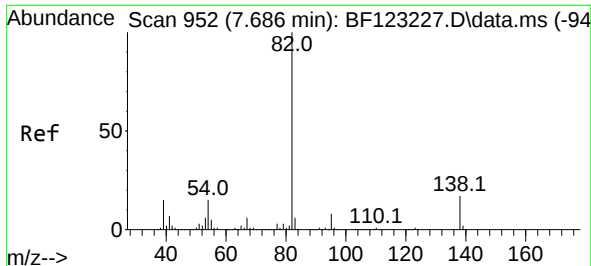
Ion Ratio Lower Upper

77 100

123 13.2 39.3 58.9#

65 84.3 10.6 15.8#

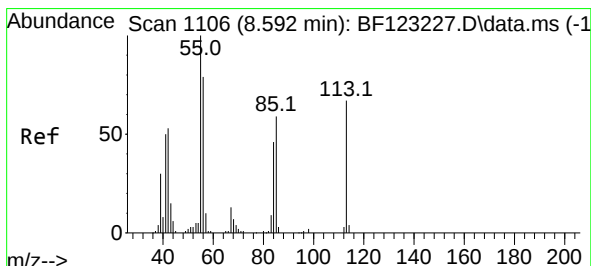
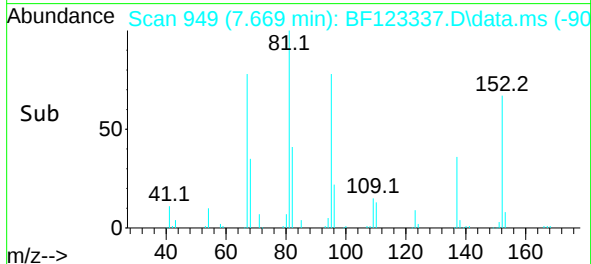
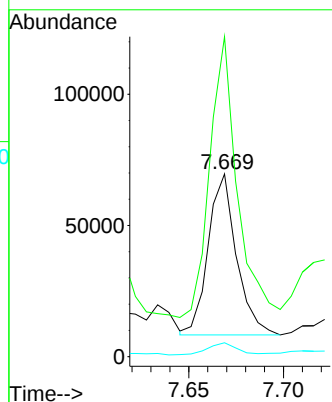
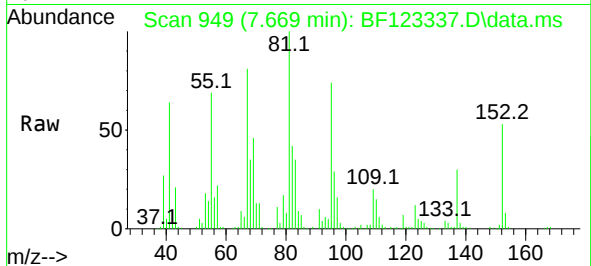




#25
Isophorone
Concen: 3.51 ng
RT: 7.669 min Scan# 949
Delta R.T. -0.018 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

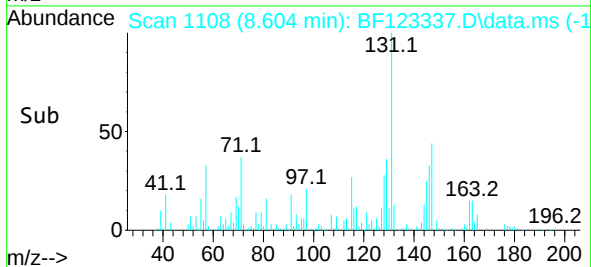
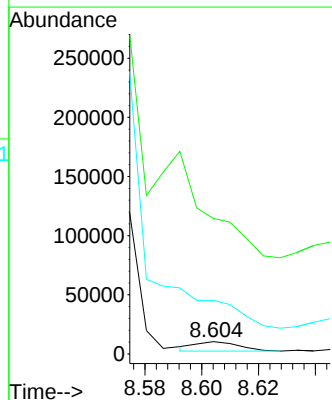
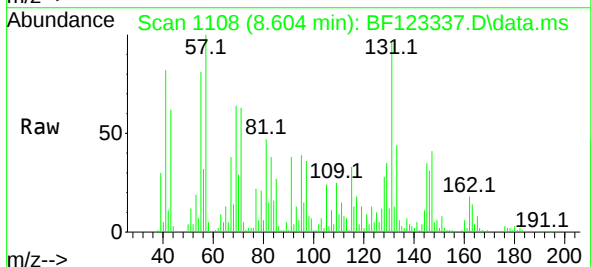
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BNA_F
ClientSampleId :
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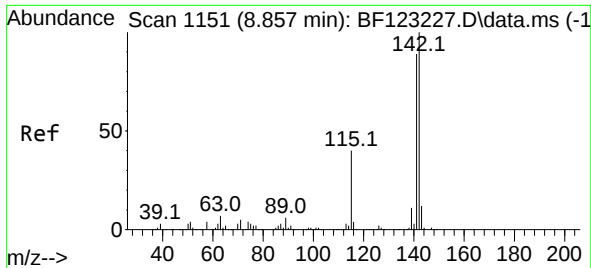
Tgt Ion: 82 Resp: 63923
Ion Ratio Lower Upper
82 100
95 175.1 5.8 8.6#
138 7.6 14.6 21.8#



#35
Caprolactam
Concen: 3.68 ng
RT: 8.604 min Scan# 1108
Delta R.T. 0.012 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

Tgt Ion: 113 Resp: 8482
Ion Ratio Lower Upper
113 100
55 1101.9 133.7 173.7#
56 435.6 95.3 135.3#

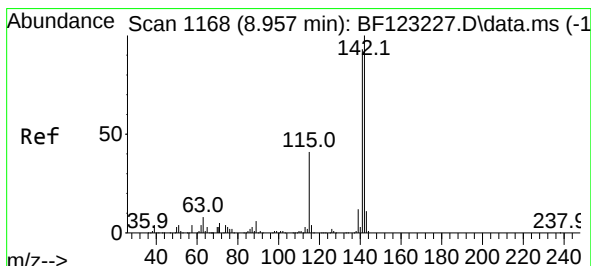
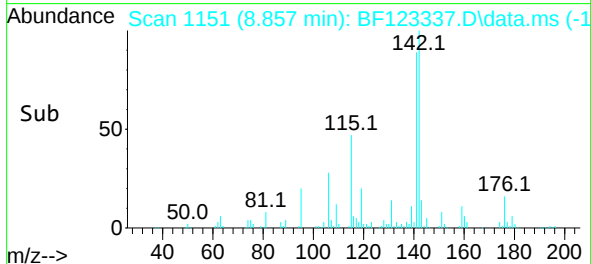
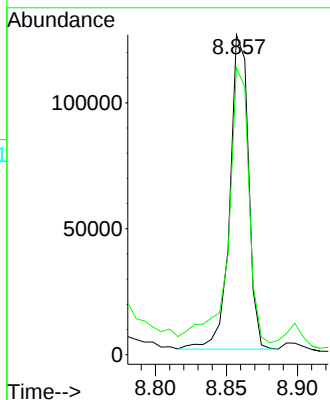
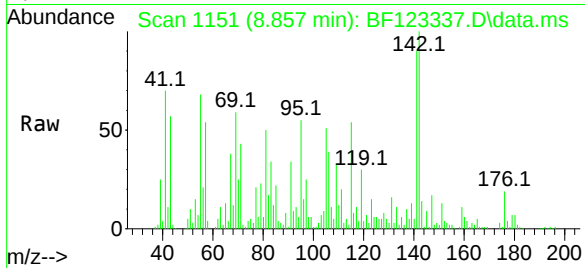




#37
2-Methylnaphthalene
Concen: 7.03 ng
RT: 8.857 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

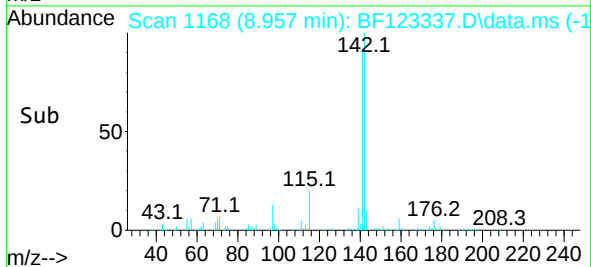
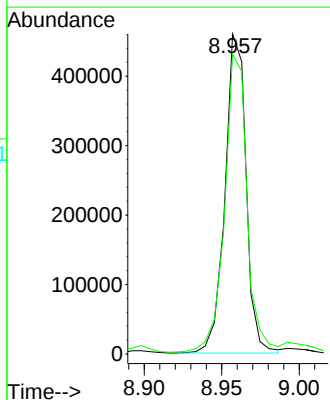
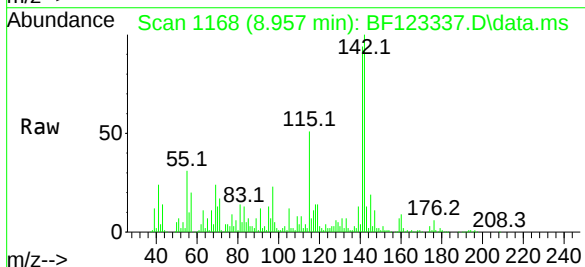
Instrument :
BNA_F
ClientSampleId :
T-2

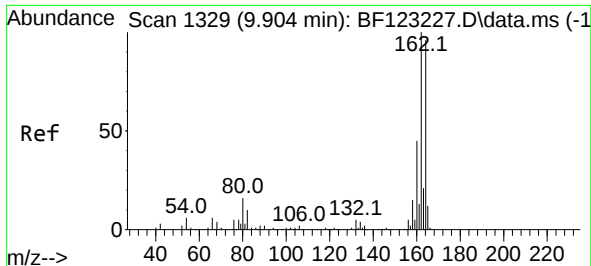
Tgt Ion:142 Resp: 114265
Ion Ratio Lower Upper
142 100
141 89.7 70.6 106.0



#38
1-Methylnaphthalene
Concen: 28.57 ng
RT: 8.957 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

Tgt Ion:142 Resp: 434580
Ion Ratio Lower Upper
142 100
141 93.7 74.5 111.7





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.910 min Scan# 1330

Delta R.T. 0.006 min

Lab File: BF123337.D

Acq: 2 Mar 2021 15:39

Tgt Ion:164 Resp: 277840

Ion Ratio Lower Upper

164 100

162 102.6 80.8 121.2

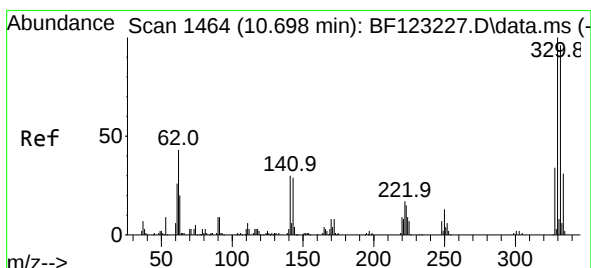
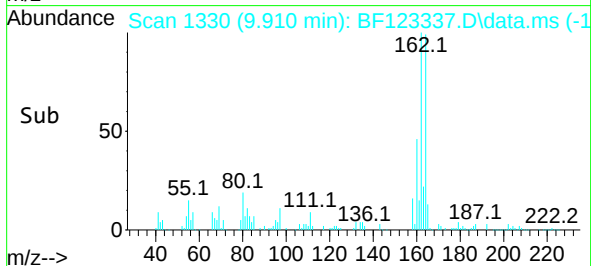
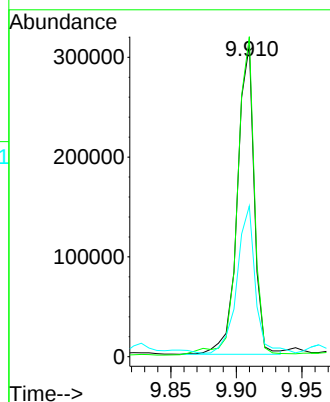
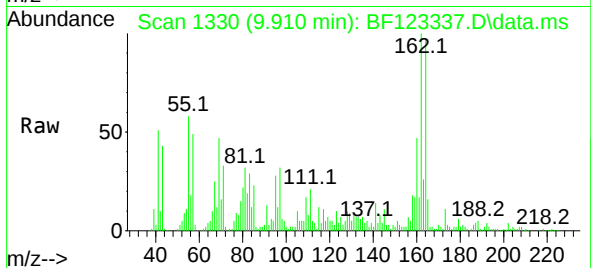
160 48.4 35.4 53.0

Instrument :

BNA_F

ClientSampled :

T-2



#42

2,4,6-Tribromophenol

Concen: 86.88 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.006 min

Lab File: BF123337.D

Acq: 2 Mar 2021 15:39

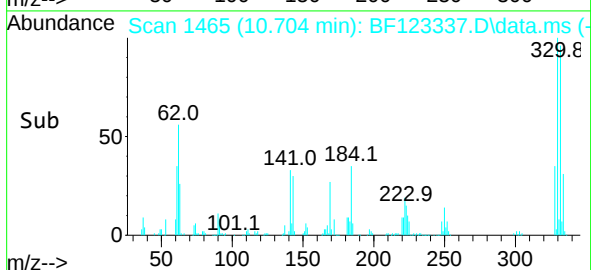
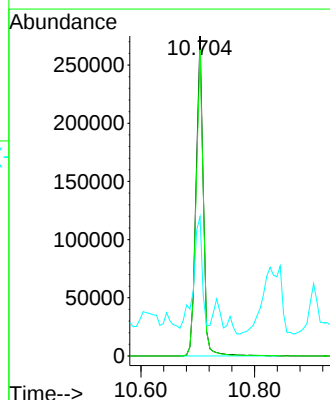
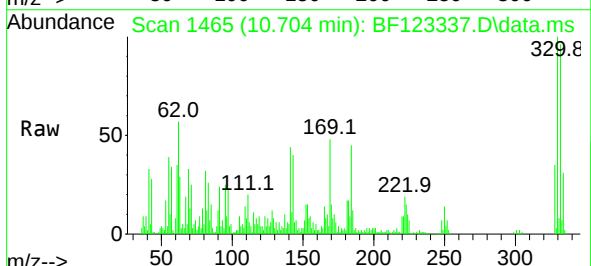
Tgt Ion:330 Resp: 245803

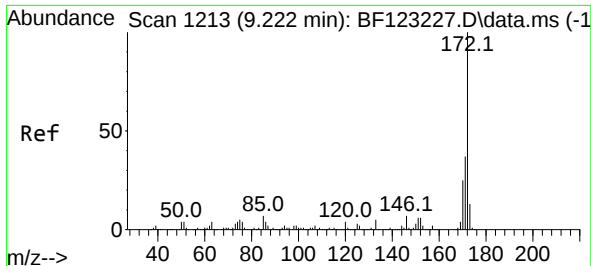
Ion Ratio Lower Upper

330 100

332 95.7 77.5 116.3

141 41.5 23.8 35.8#

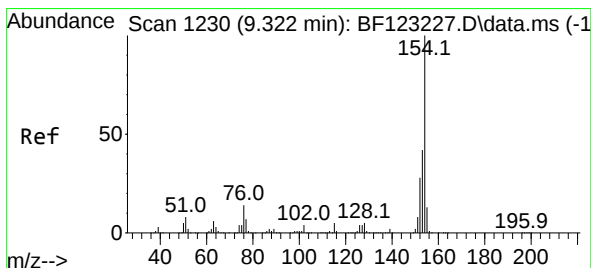
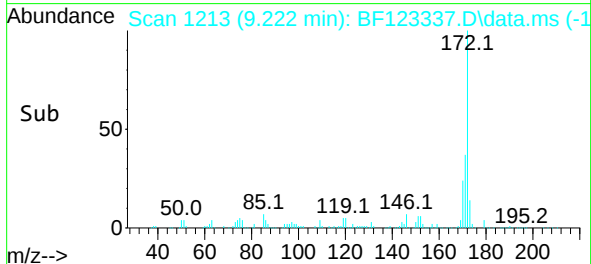
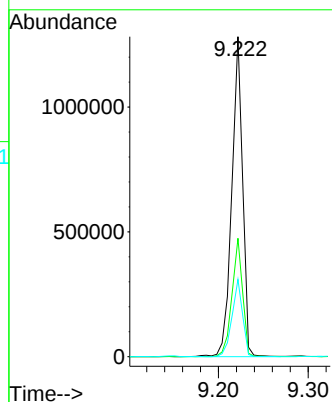
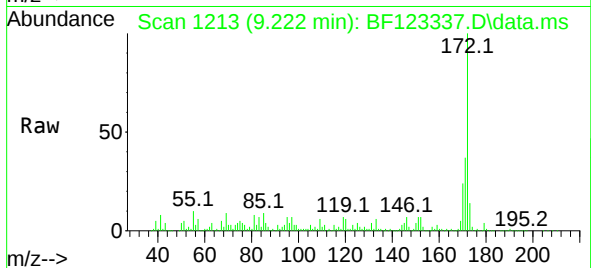




#45
2-Fluorobiphenyl
Concen: 55.66 ng
RT: 9.222 min Scan# 1213
Delta R.T. 0.000 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

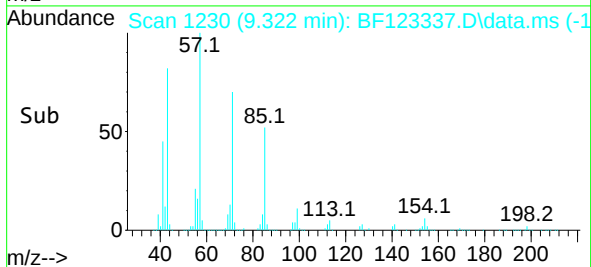
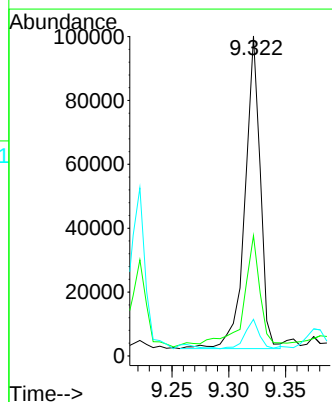
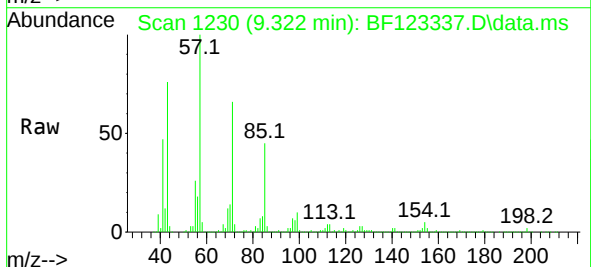
Instrument :
BNA_F
ClientSampled :
T-2

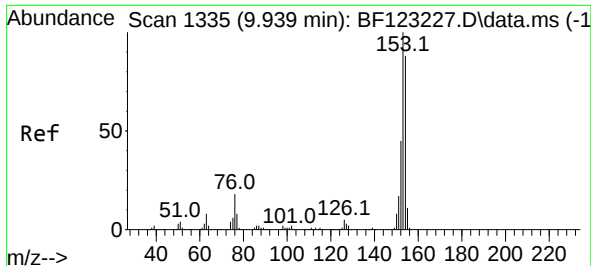
Tgt Ion:172 Resp: 1076555
Ion Ratio Lower Upper
172 100
171 37.0 29.6 44.4
170 24.1 19.5 29.3



#46
1,1'-Biphenyl
Concen: 3.97 ng
RT: 9.322 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

Tgt Ion:154 Resp: 91610
Ion Ratio Lower Upper
154 100
153 37.6 21.8 61.8
76 11.5 0.0 33.4

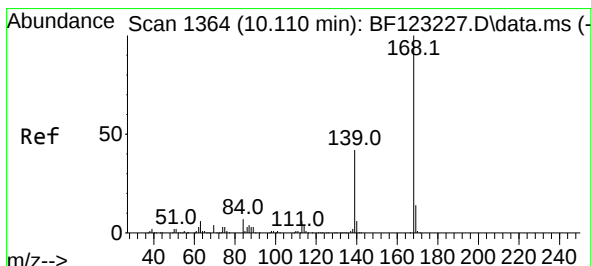
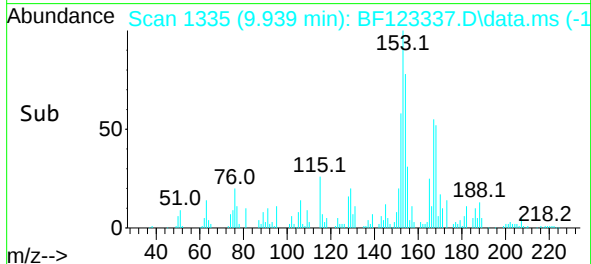
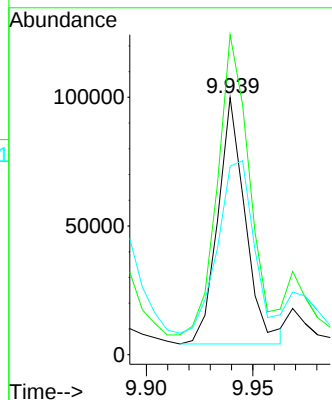
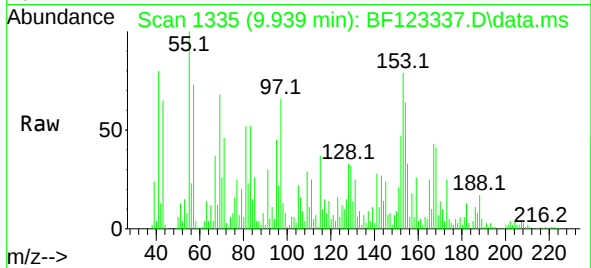




#52
Acenaphthene
Concen: 4.51 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

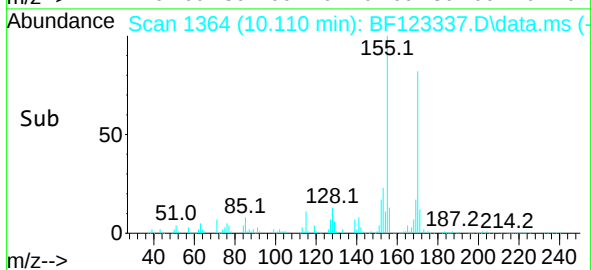
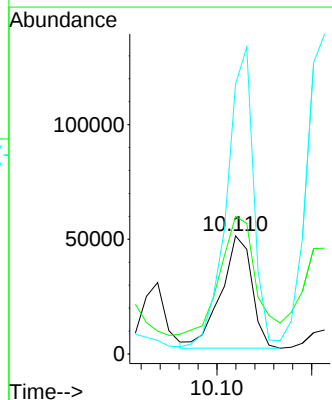
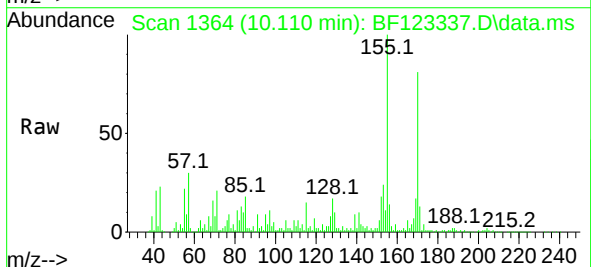
Instrument :
BNA_F
ClientSampled :
T-2

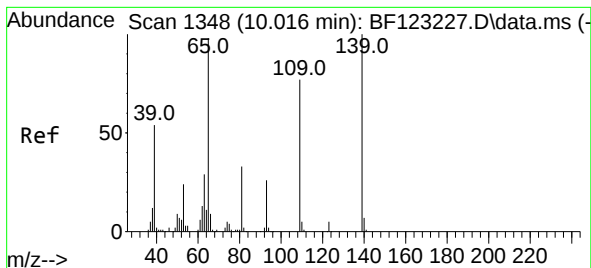
Tgt Ion:154 Resp: 85847
Ion Ratio Lower Upper
154 100
153 124.4 89.0 133.6
152 73.4 42.7 64.1#



#55
Dibenzofuran
Concen: 2.16 ng
RT: 10.110 min Scan# 1364
Delta R.T. 0.000 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

Tgt Ion:168 Resp: 55663
Ion Ratio Lower Upper
168 100
139 116.6 31.3 46.9#
169 228.6 11.2 16.8#

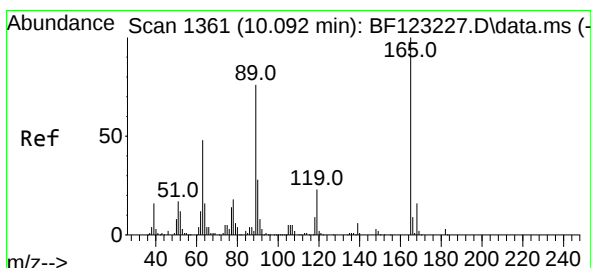
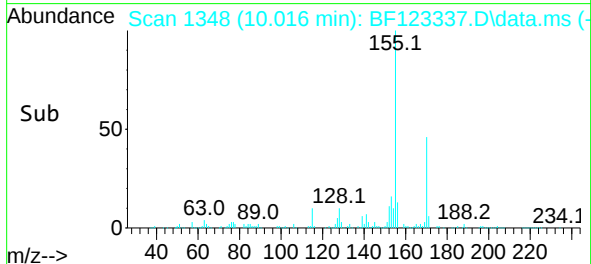
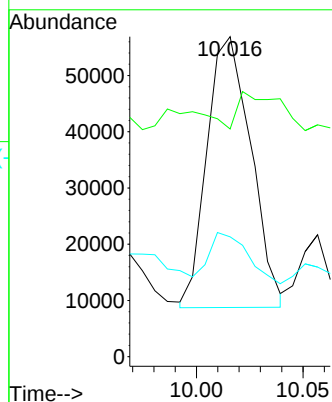
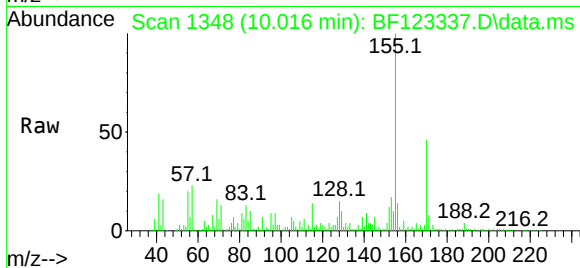




#56
4-Nitrophenol
Concen: 16.33 ng
RT: 10.016 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

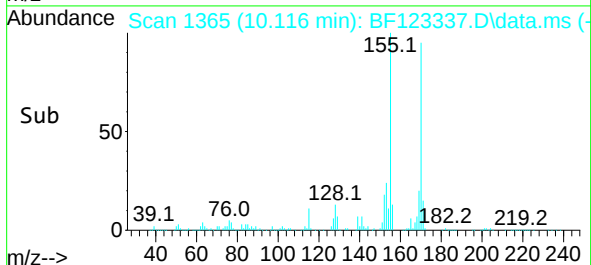
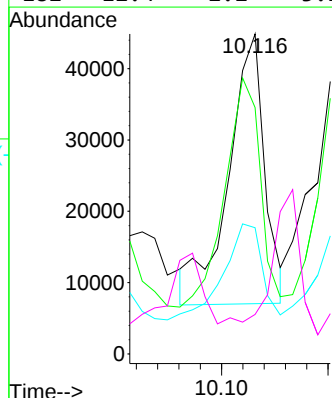
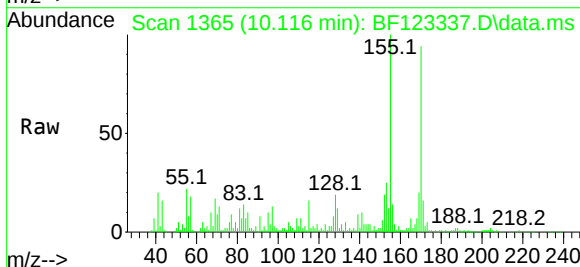
Instrument :
BNA_F
ClientSampled :
T-2

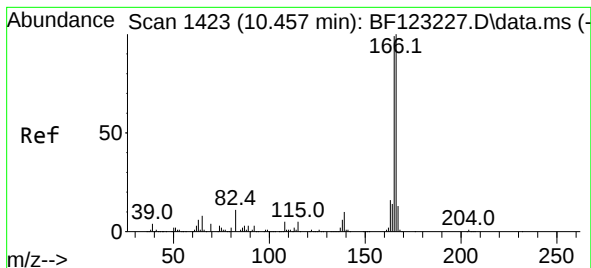
Tgt Ion:139 Resp: 69152
Ion Ratio Lower Upper
139 100
109 71.2 45.1 85.1
65 37.5 59.2 99.2#



#57
2,4-Dinitrotoluene
Concen: 6.94 ng
RT: 10.116 min Scan# 1365
Delta R.T. 0.024 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

Tgt Ion:165 Resp: 44697
Ion Ratio Lower Upper
165 100
63 77.0 34.3 51.5#
89 39.5 55.2 82.8#
182 12.4 2.2 3.2#





#58

Fluorene

Concen: 8.72 ng

RT: 10.457 min Scan# 1423

Delta R.T. 0.000 min

Lab File: BF123337.D

Acq: 2 Mar 2021 15:39

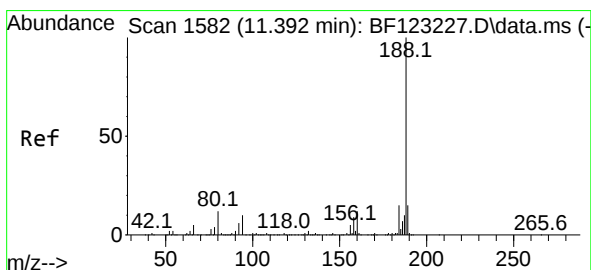
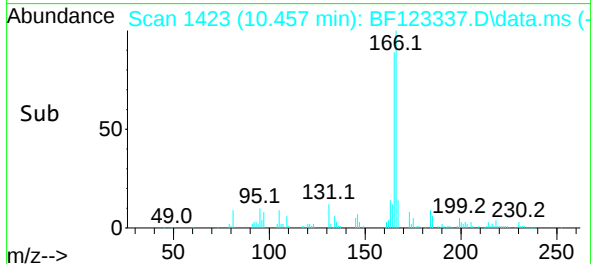
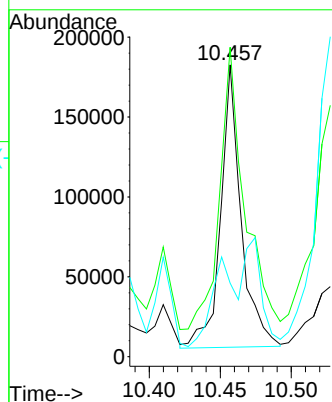
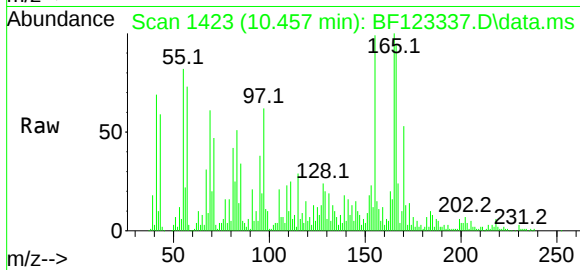
Tgt Ion:166 Resp: 176759

Ion Ratio Lower Upper

166 100

165 106.0 79.4 119.0

167 25.2 10.9 16.3#



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.398 min Scan# 1583

Delta R.T. 0.006 min

Lab File: BF123337.D

Acq: 2 Mar 2021 15:39

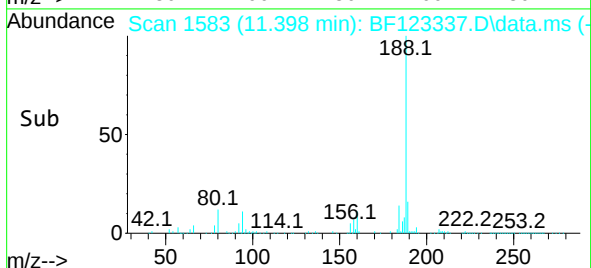
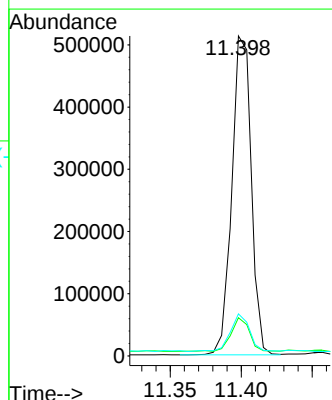
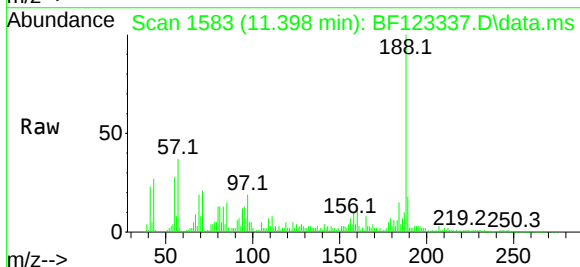
Tgt Ion:188 Resp: 488550

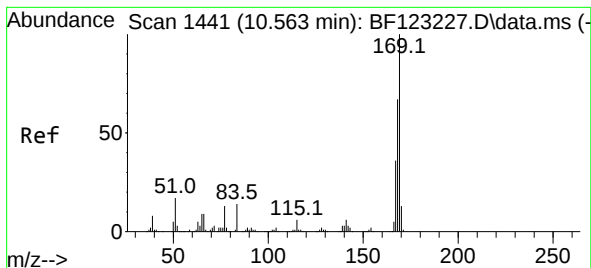
Ion Ratio Lower Upper

188 100

94 11.9 7.4 11.2#

80 13.1 8.2 12.4#

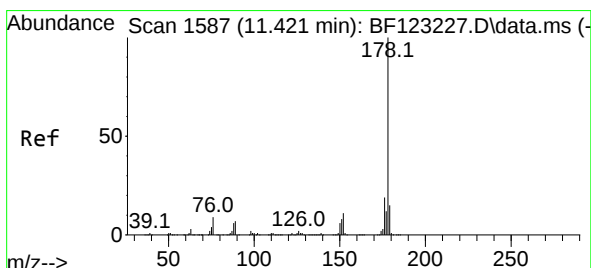
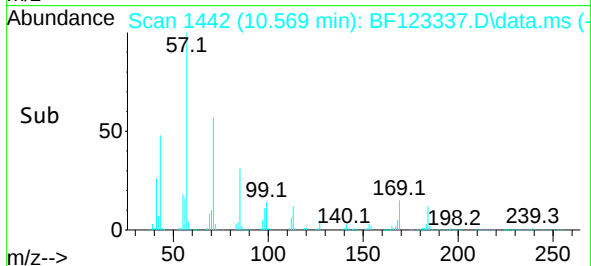
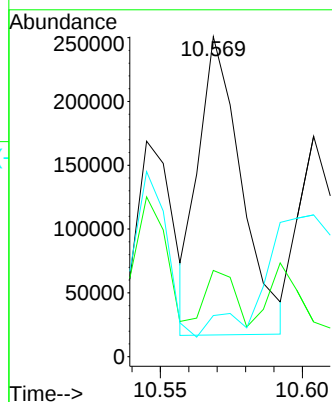
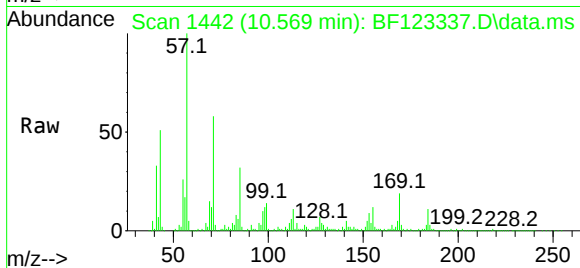




#66
n-Nitrosodiphenylamine
Concen: 14.57 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

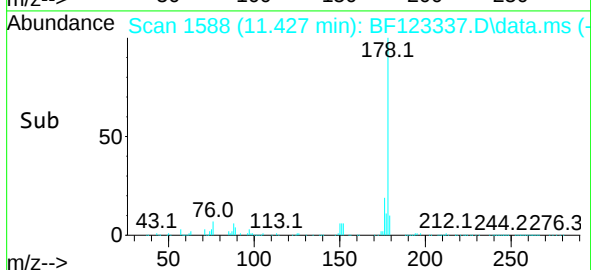
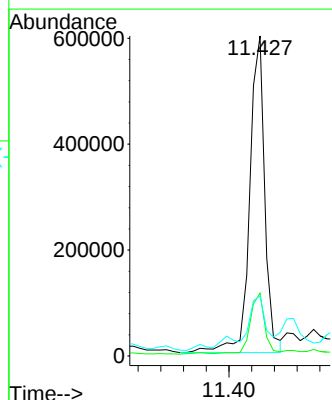
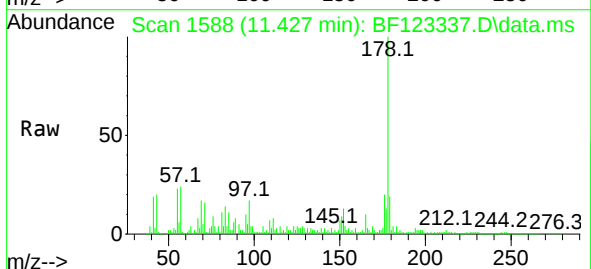
Instrument :
BNA_F
ClientSampled :
T-2

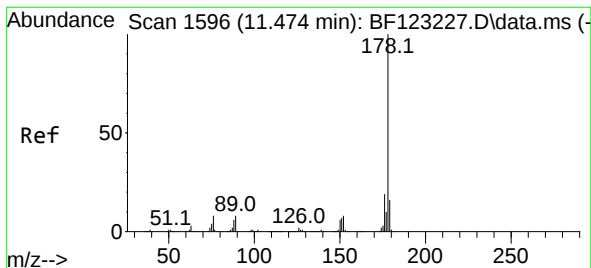
Tgt Ion:169 Resp: 246178
Ion Ratio Lower Upper
169 100
168 26.9 54.2 81.2#
167 12.9 29.2 43.8#



#71
Phenanthrene
Concen: 19.22 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

Tgt Ion:178 Resp: 555151
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.2
179 18.8 12.7 19.1

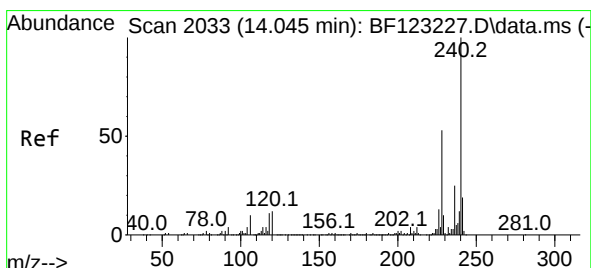
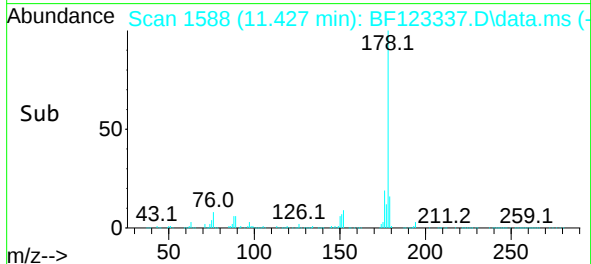
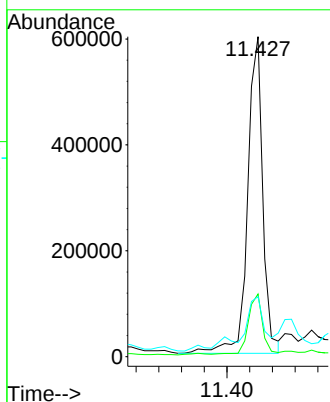
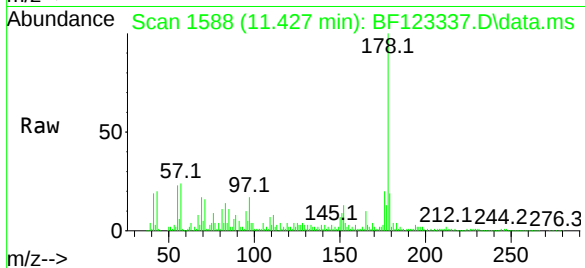




#72
 Anthracene
 Concen: 19.26 ng
 RT: 11.427 min Scan# 1588
 Delta R.T. -0.047 min
 Lab File: BF123337.D
 Acq: 2 Mar 2021 15:39

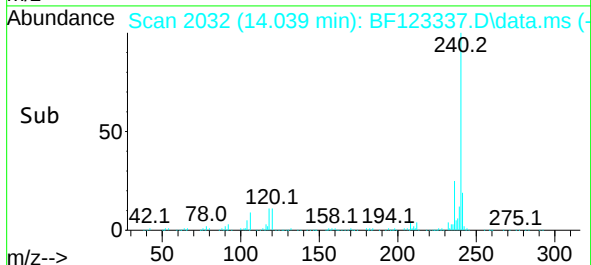
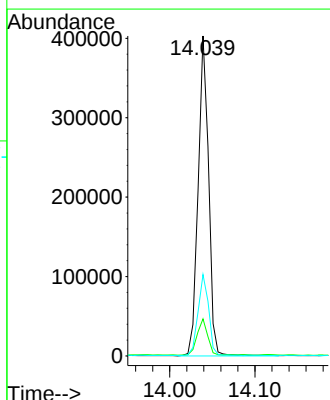
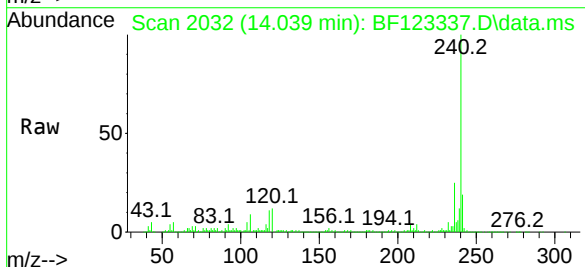
Instrument :
 BNA_F
 ClientSampleId :
 T-2

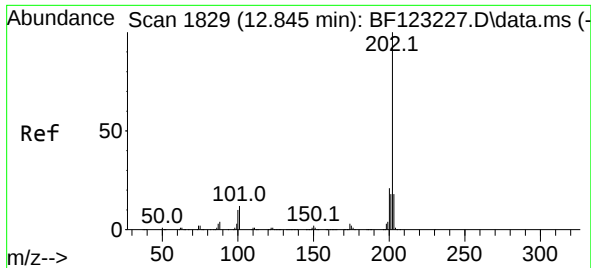
Tgt Ion:178 Resp: 555151
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.6 23.4
 179 18.8 12.8 19.2



#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF123337.D
 Acq: 2 Mar 2021 15:39

Tgt Ion:240 Resp: 344619
 Ion Ratio Lower Upper
 240 100
 120 11.6 8.6 12.8
 236 25.5 20.3 30.5

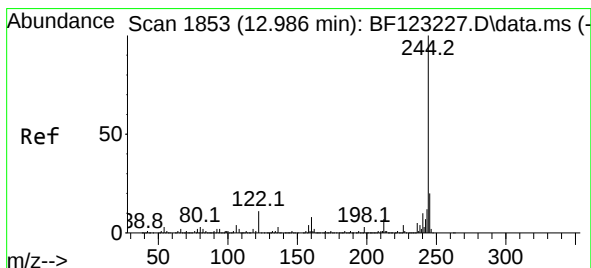
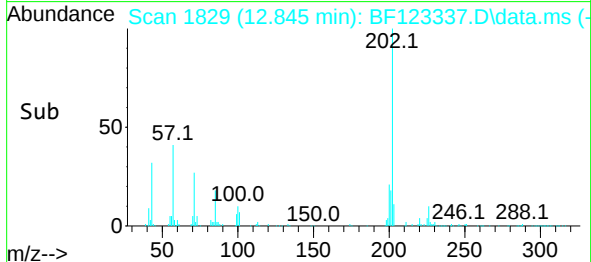
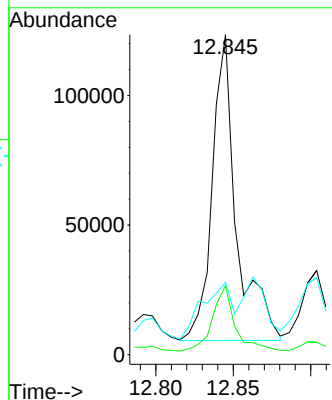
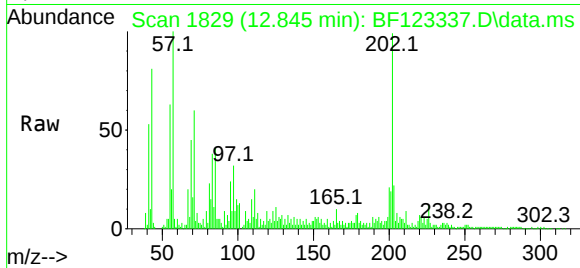




#78
Pyrene
Concen: 4.77 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

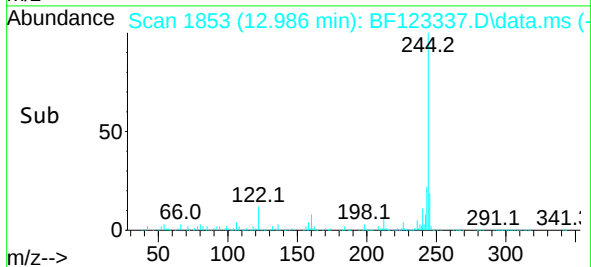
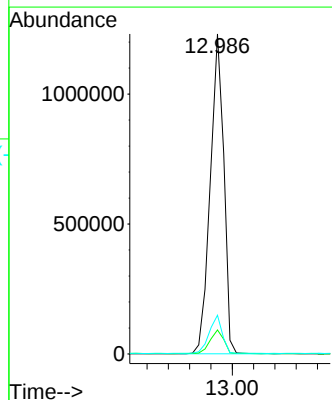
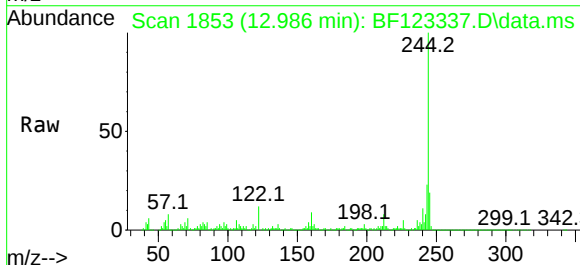
Instrument :
BNA_F
ClientSampled :
T-2

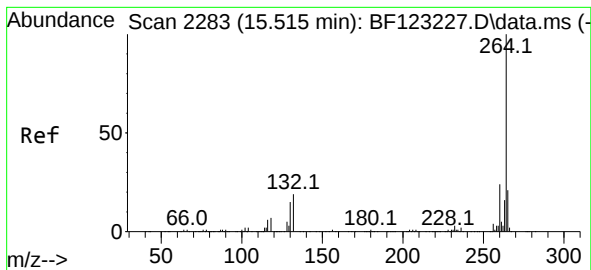
Tgt Ion:202 Resp: 128418
Ion Ratio Lower Upper
202 100
200 21.5 17.6 26.4
203 22.6 14.6 21.8#



#79
Terphenyl-d14
Concen: 60.90 ng
RT: 12.986 min Scan# 1853
Delta R.T. 0.000 min
Lab File: BF123337.D
Acq: 2 Mar 2021 15:39

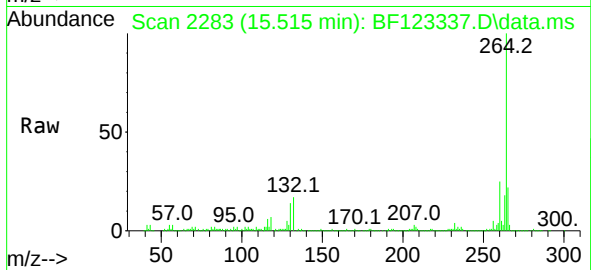
Tgt Ion:244 Resp: 1091510
Ion Ratio Lower Upper
244 100
212 7.5 5.7 8.5
122 12.1 8.3 12.5





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.515 min Scan# 2283
 Delta R.T. 0.000 min
 Lab File: BF123337.D
 Acq: 2 Mar 2021 15:39

Instrument :
 BNA_F
 ClientSampled :
 T-2



Tgt Ion:264 Resp: 300130
 Ion Ratio Lower Upper
 264 100
 260 24.9 18.6 28.0
 265 22.0 17.0 25.6

