

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050521\
 Data File : BF123843.D
 Acq On : 5 May 2021 23:26
 Operator : JU/CG
 Sample : M2278-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-050421

Quant Time: May 06 00:52:27 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 05 13:09:28 2021
 Response via : Initial Calibration

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

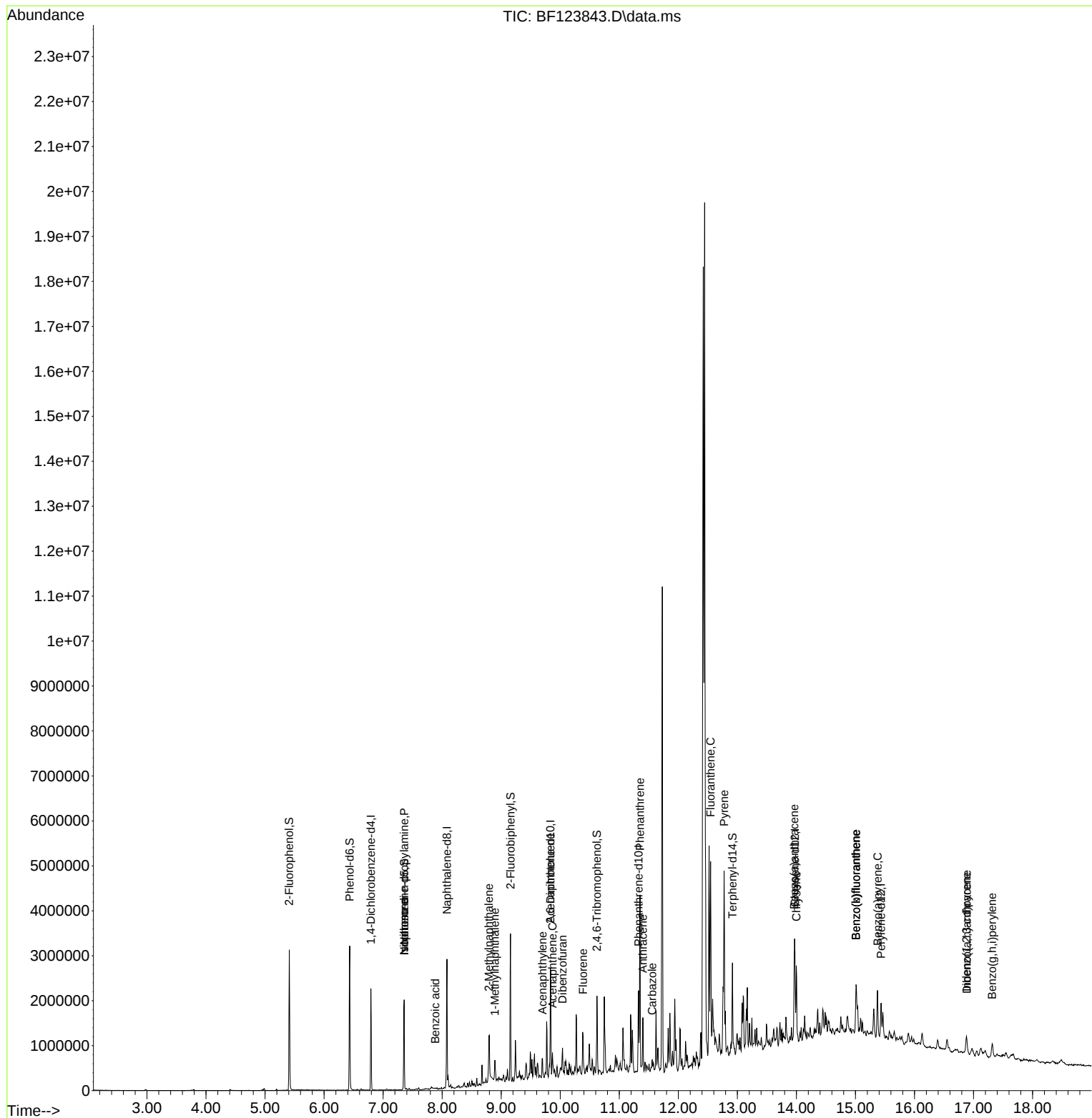
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	290395	20.00	ng	0.00
21) Naphthalene-d8	8.080	136	1076291	20.00	ng	0.00
39) Acenaphthene-d10	9.833	164	469524	20.00	ng	0.00
64) Phenanthrene-d10	11.327	188	719206	20.00	ng	0.00
76) Chrysene-d12	13.974	240	481348	20.00	ng	0.00
86) Perylene-d12	15.433	264	352453	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	680491	37.12	ng	0.00
7) Phenol-d6	6.434	99	884354	35.02	ng	0.00
23) Nitrobenzene-d5	7.357	82	591425	24.81	ng	0.00
42) 2,4,6-Tribromophenol	10.621	330	169778	29.05	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	861867	26.73	ng	0.00
79) Terphenyl-d14	12.915	244	608435	24.34	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	77250	4.95	ng	# 70
25) Isophorone	7.357	82	587664	13.15	ng	# 69
32) Benzoic acid	7.880	122	502	5.43	ng	# 57
37) 2-Methylnaphthalene	8.792	142	82167	2.27	ng	96
38) 1-Methylnaphthalene	8.892	142	95857	2.82	ng	97
49) Acenaphthylene	9.698	152	139607	2.98	ng	98
51) 2,6-Dinitrotoluene	9.833	165	67365	8.81	ng	# 13
52) Acenaphthene	9.869	154	88713	3.11	ng	97
55) Dibenzofuran	10.039	168	124796	2.89	ng	# 95
58) Fluorene	10.386	166	232132	7.00	ng	99
71) Phenanthrene	11.351	178	1322430	35.05	ng	99
72) Anthracene	11.398	178	388969	10.37	ng	99
73) Carbazole	11.557	167	86957	2.29	ng	99
75) Fluoranthene	12.545	202	1740698	42.31	ng	99
78) Pyrene	12.774	202	1756365	47.01	ng	98
81) Benzo(a)anthracene	13.962	228	763185	26.16	ng	97
83) Chrysene	13.998	228	668974	22.80	ng	96
87) Indeno(1,2,3-cd)pyrene	16.880	276	268726	13.09	ng	96
88) Benzo(b)fluoranthene	15.009	252	878677	37.00	ng	# 98
89) Benzo(k)fluoranthene	15.009	252	878677	38.76	ng	# 98
90) Benzo(a)pyrene	15.374	252	482695	23.77	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	69062	3.98	ng	# 82
92) Benzo(g,h,i)perylene	17.315	276	257441	14.83	ng	95

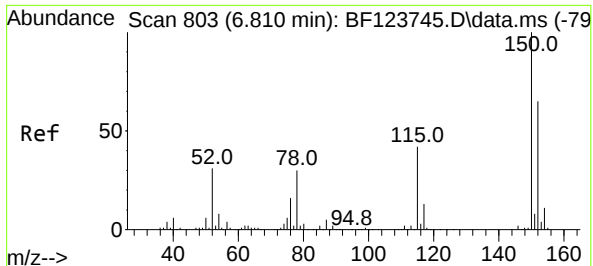
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050521\
Data File : BF123843.D
Acq On : 5 May 2021 23:26
Operator : JU/CG
Sample : M2278-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-01-050421

Quant Time: May 06 00:52:27 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 05 13:09:28 2021
Response via : Initial Calibration

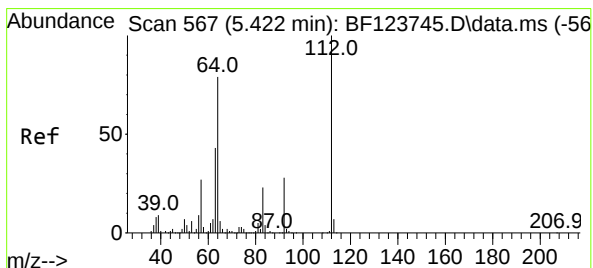
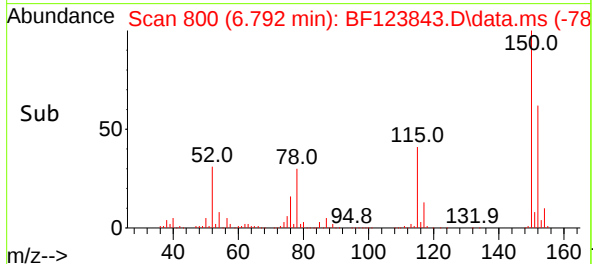
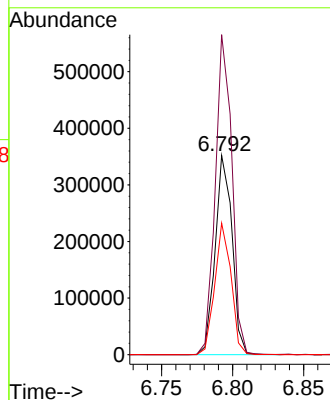
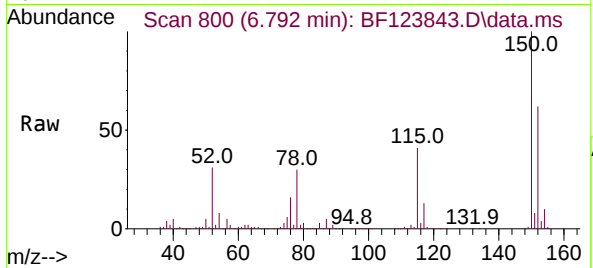




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

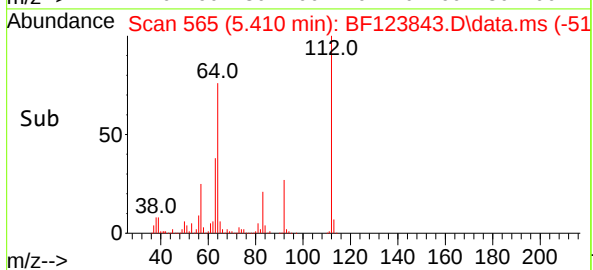
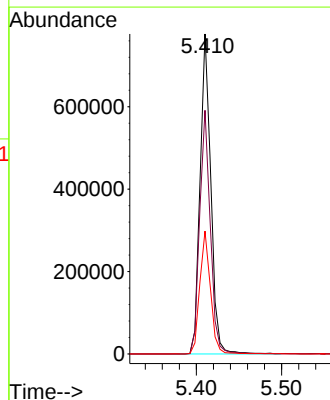
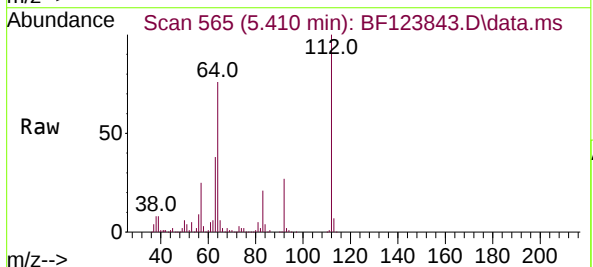
Instrument :
BNA_F
ClientSampleId :
SU-01-050421

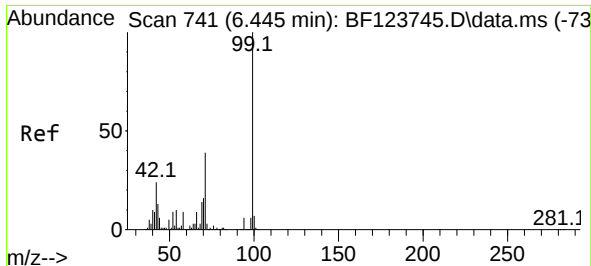
Tgt Ion:152 Resp: 290395
Ion Ratio Lower Upper
152 100
150 160.7 127.0 190.6
115 66.0 54.3 81.5



#5
2-Fluorophenol
Concen: 37.12 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:112 Resp: 680491
Ion Ratio Lower Upper
112 100
64 76.2 61.4 92.0
63 38.4 33.0 49.4

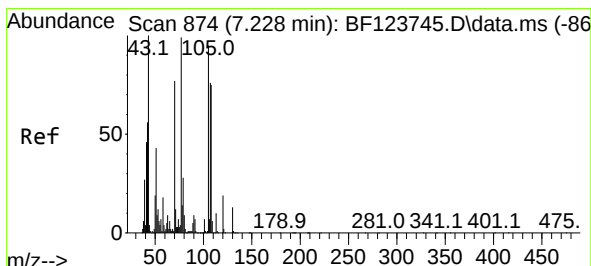
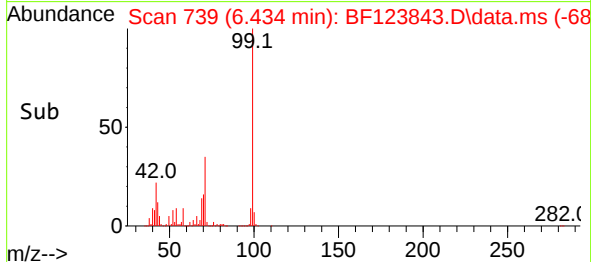
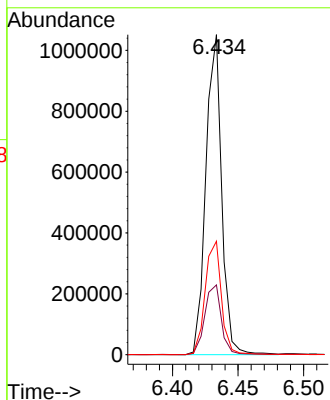
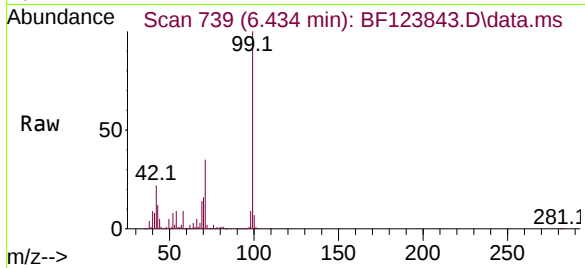




#7
Phenol-d6
Concen: 35.02 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

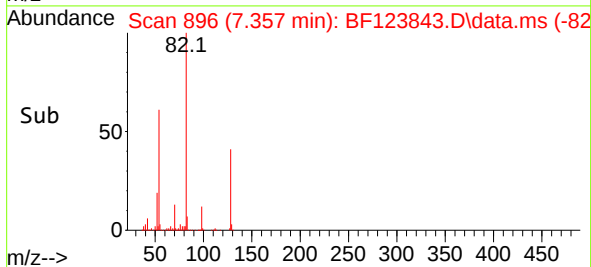
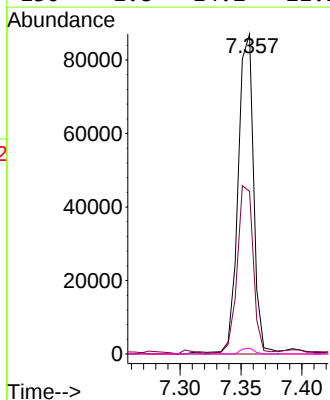
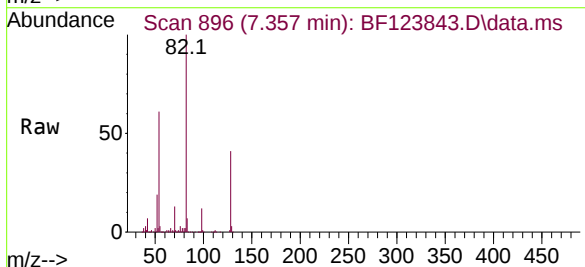
Instrument :
BNA_F
ClientSampleId :
SU-01-050421

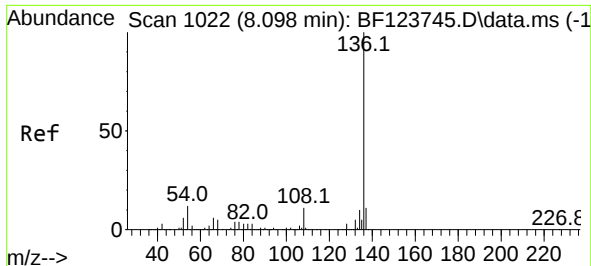
Tgt Ion: 99 Resp: 884354
Ion Ratio Lower Upper
99 100
42 21.8 19.8 29.8
71 35.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 4.95 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion: 70 Resp: 77250
Ion Ratio Lower Upper
70 100
42 50.8 60.1 90.1#
101 0.0 7.4 11.2#
130 1.8 14.2 21.2#



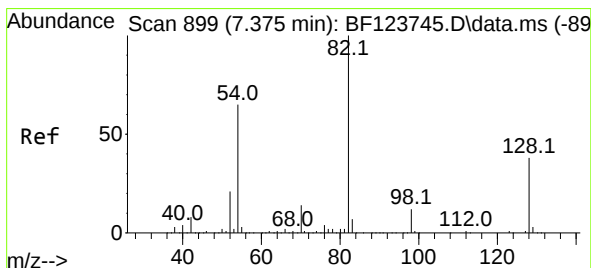
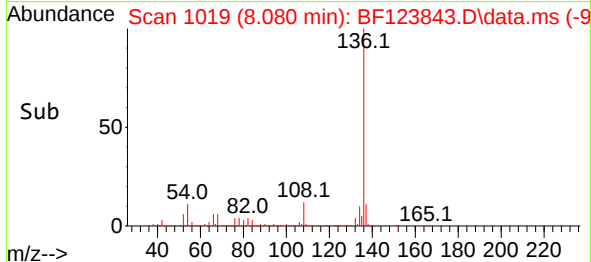
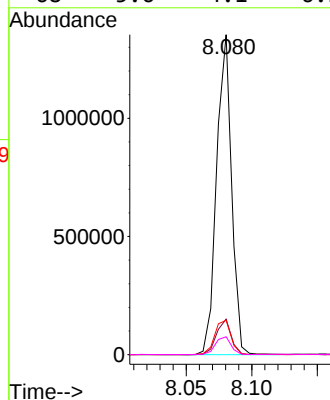
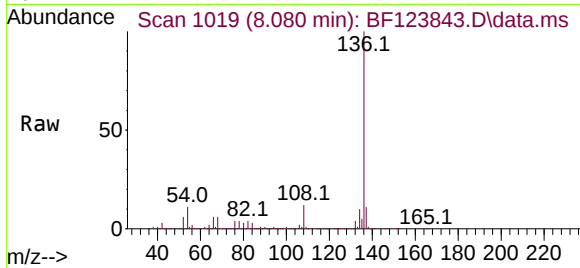


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.080 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Instrument :
BNA_F
ClientSampleId :
SU-01-050421

Tgt Ion:136 Resp: 1076291

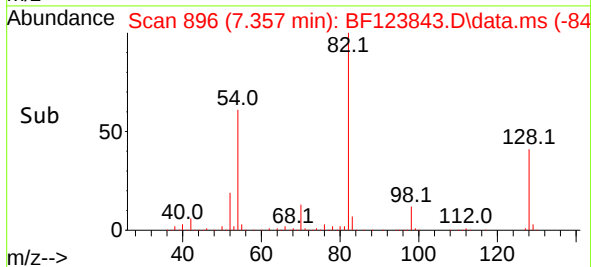
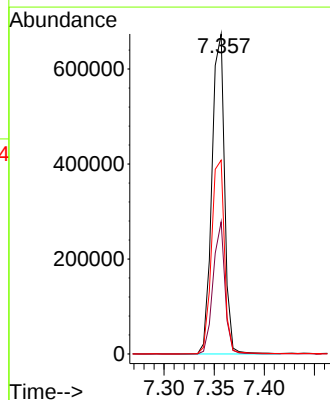
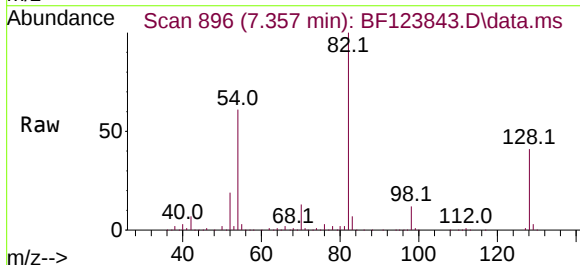
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.7	9.8	14.6
68	5.6	4.1	6.1

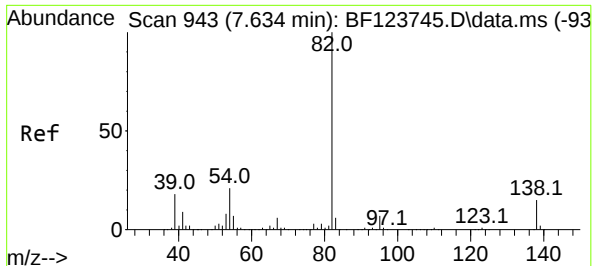


#23
Nitrobenzene-d5
Concen: 24.81 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion: 82 Resp: 591425

Ion	Ratio	Lower	Upper
82	100		
128	41.3	29.4	44.2
54	60.6	54.1	81.1

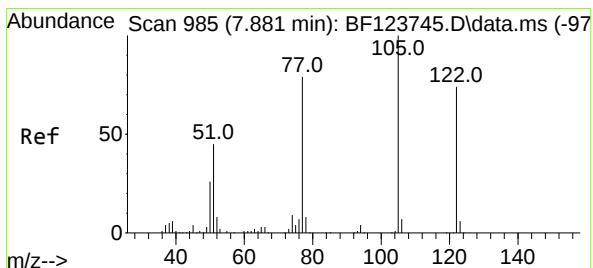
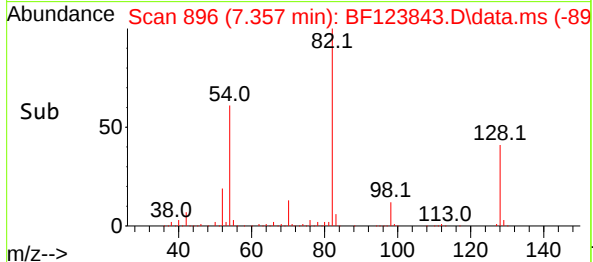
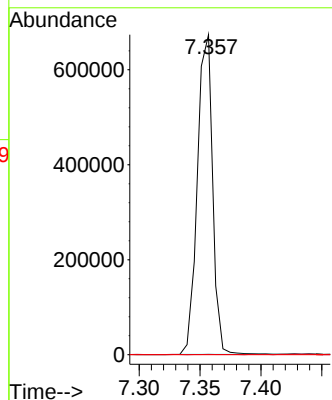
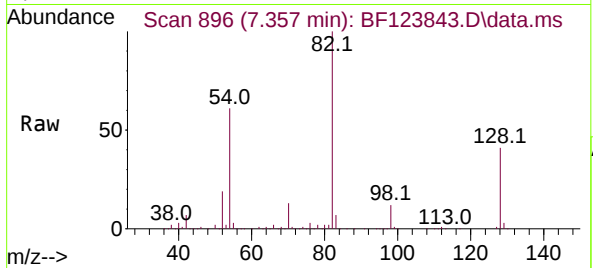




#25
Isophorone
Concen: 13.15 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

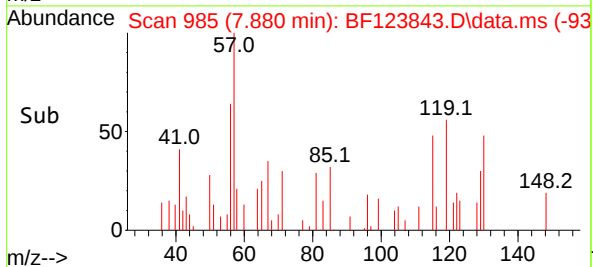
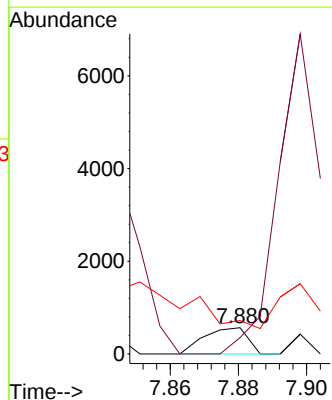
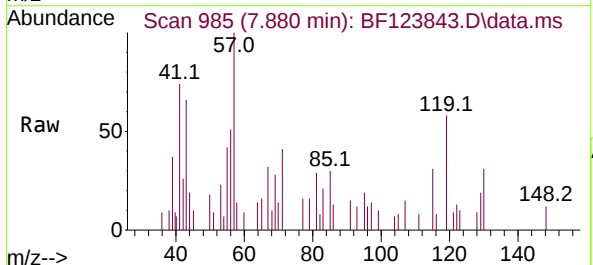
Instrument :
BNA_F
ClientSampleId :
SU-01-050421

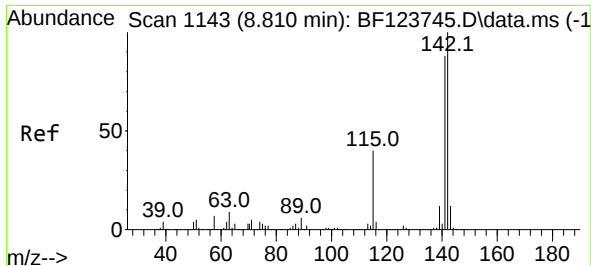
Tgt Ion: 82 Resp: 587664
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 5.43 ng
RT: 7.880 min Scan# 985
Delta R.T. 0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion: 122 Resp: 502
Ion Ratio Lower Upper
122 100
105 62.5 107.8 147.8#
77 127.4 81.6 121.6#

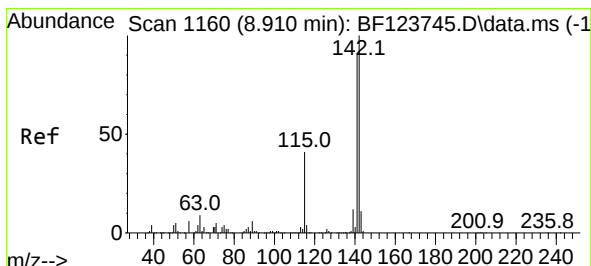
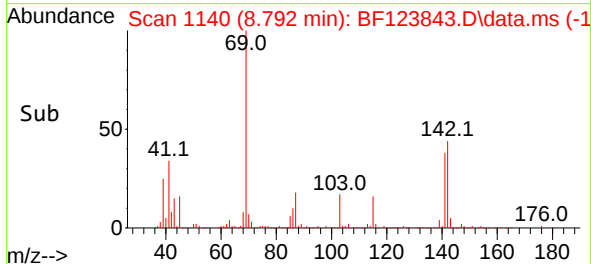
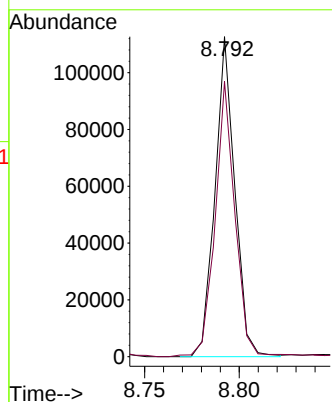
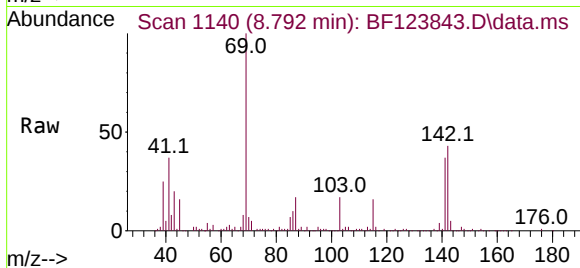




#37
2-Methylnaphthalene
Concen: 2.27 ng
RT: 8.792 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

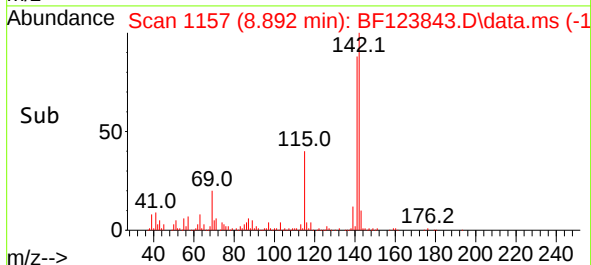
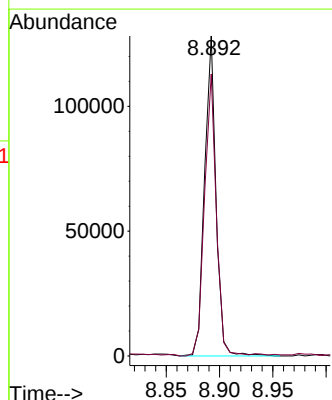
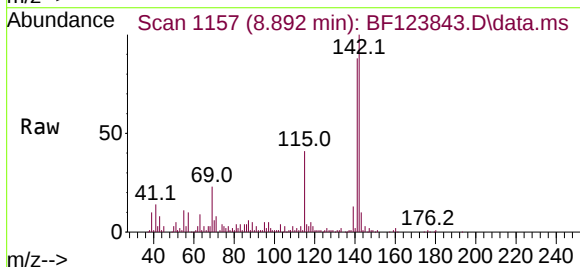
Instrument :
BNA_F
ClientSampleId :
SU-01-050421

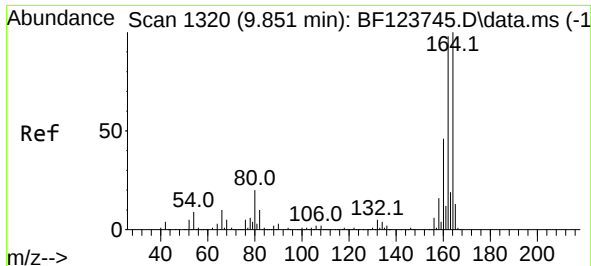
Tgt Ion:142 Resp: 82167
Ion Ratio Lower Upper
142 100
141 86.0 71.8 107.6



#38
1-Methylnaphthalene
Concen: 2.82 ng
RT: 8.892 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:142 Resp: 95857
Ion Ratio Lower Upper
142 100
141 88.1 72.8 109.2

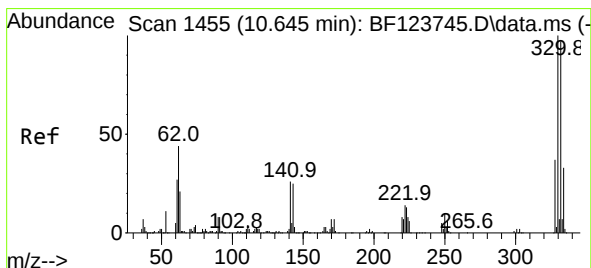
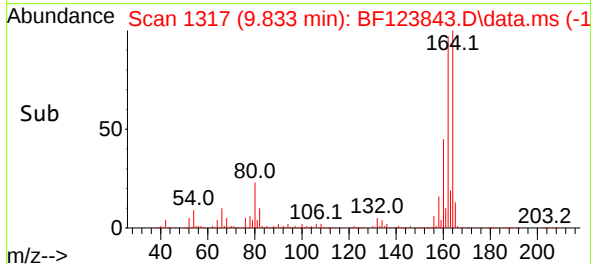
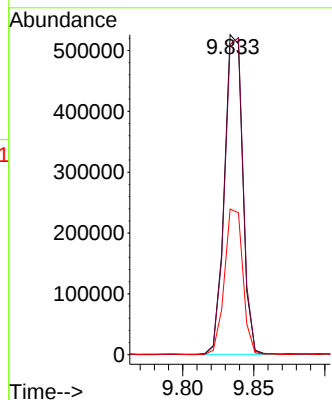
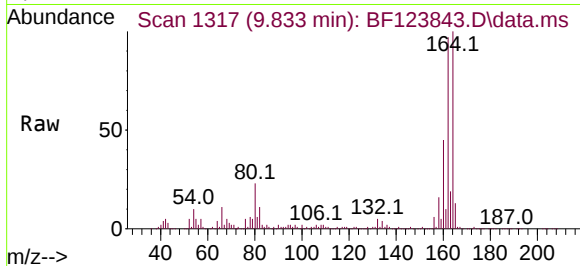




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

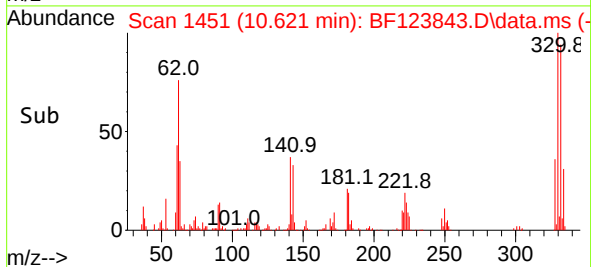
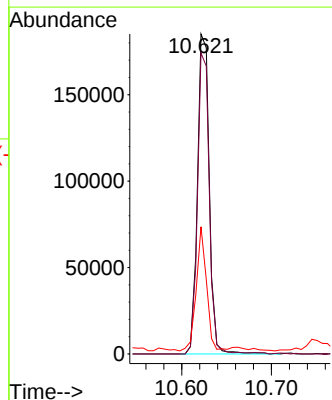
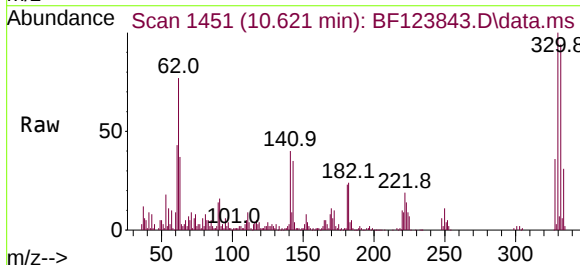
Instrument :
BNA_F
ClientSampleId :
SU-01-050421

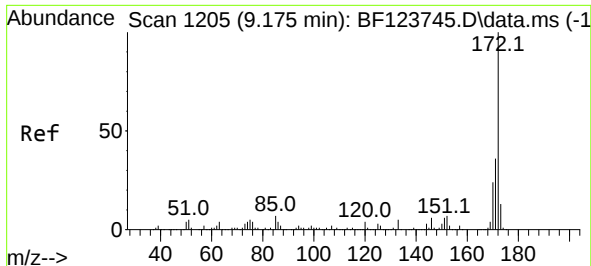
Tgt Ion:164 Resp: 469524
Ion Ratio Lower Upper
164 100
162 96.9 80.7 121.1
160 45.5 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 29.05 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:330 Resp: 169778
Ion Ratio Lower Upper
330 100
332 93.4 77.1 115.7
141 33.7 27.9 41.9

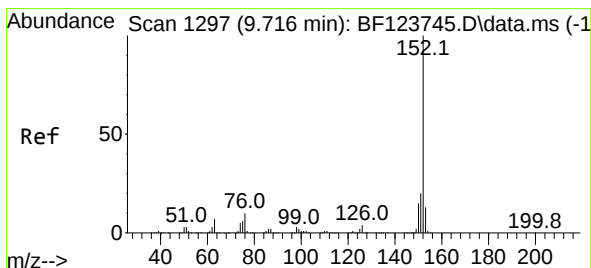
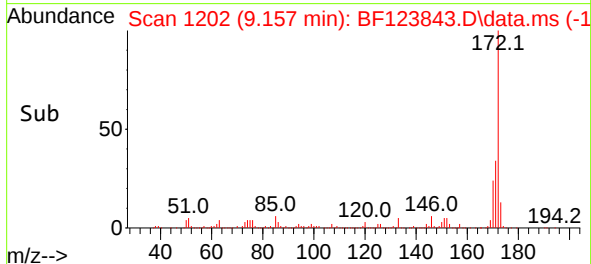
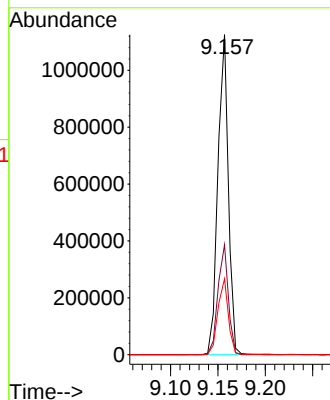
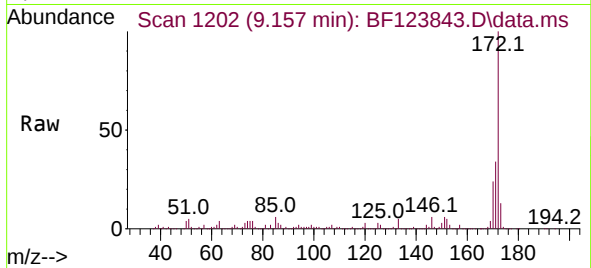




#45
2-Fluorobiphenyl
Concen: 26.73 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

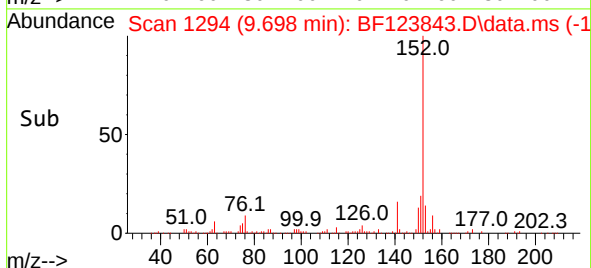
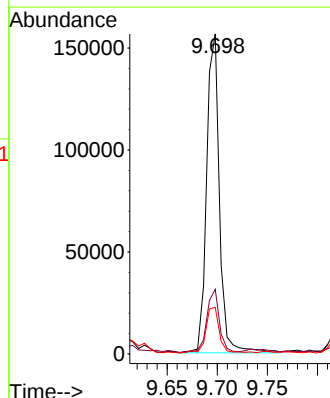
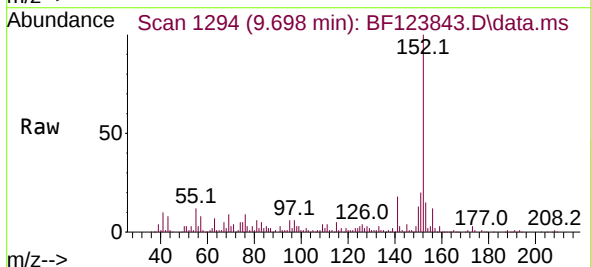
Instrument :
BNA_F
ClientSampleId :
SU-01-050421

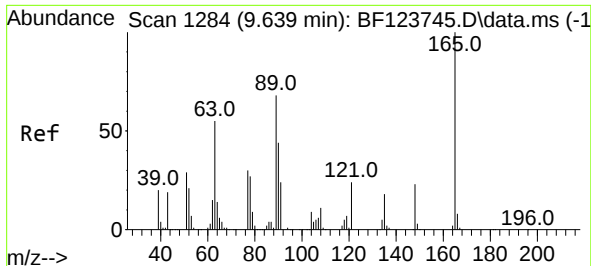
Tgt Ion:172 Resp: 861867
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.7 19.2 28.8



#49
Acenaphthylene
Concen: 2.98 ng
RT: 9.698 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:152 Resp: 139607
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 14.6 10.4 15.6

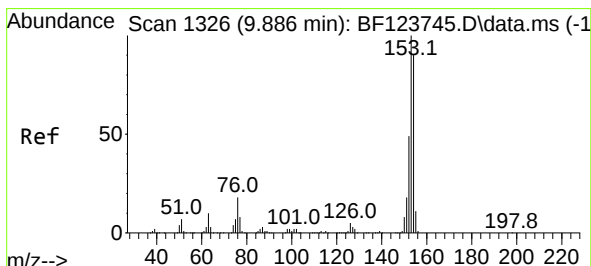
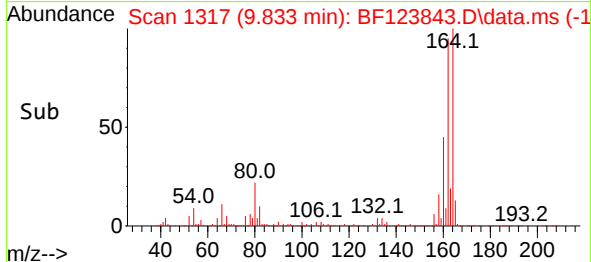
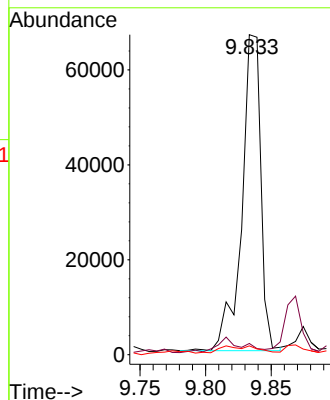
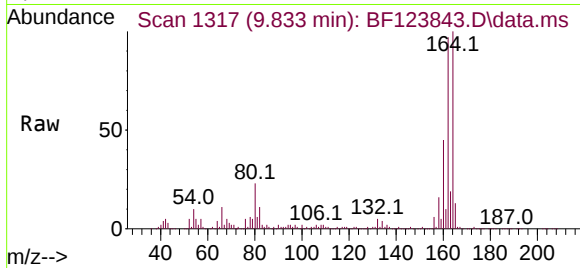




#51
2,6-Dinitrotoluene
Concen: 8.81 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

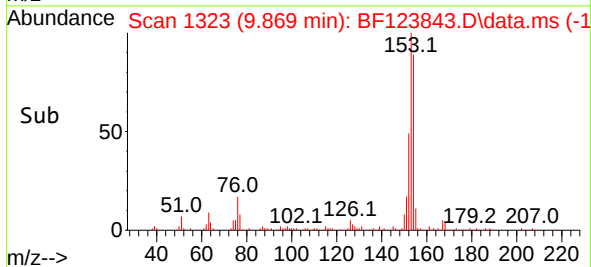
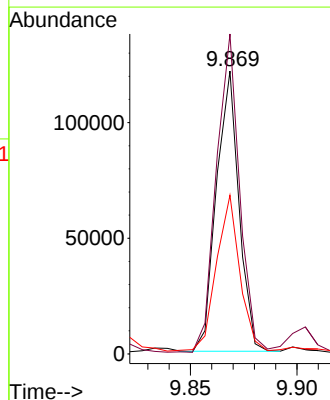
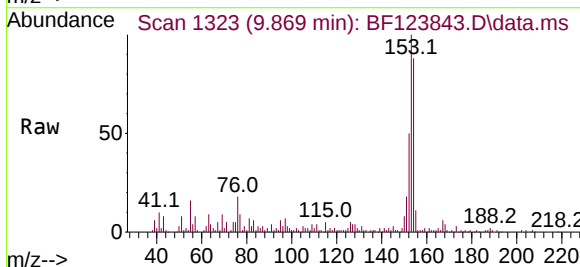
Instrument :
BNA_F
ClientSampleId :
SU-01-050421

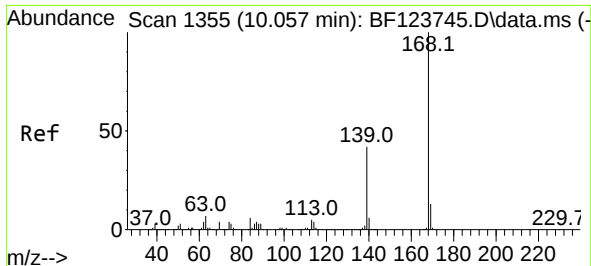
Tgt Ion:165 Resp: 67365
Ion Ratio Lower Upper
165 100
63 3.5 67.7 101.5#
89 2.7 58.8 88.2#



#52
Acenaphthene
Concen: 3.11 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:154 Resp: 88713
Ion Ratio Lower Upper
154 100
153 113.1 88.1 132.1
152 56.1 43.4 65.0

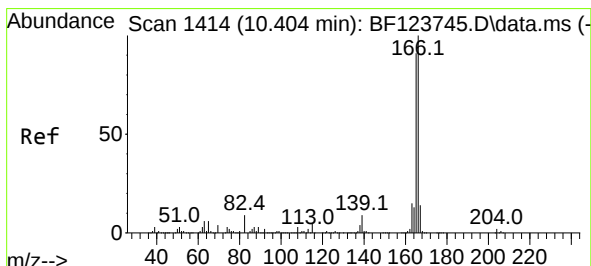
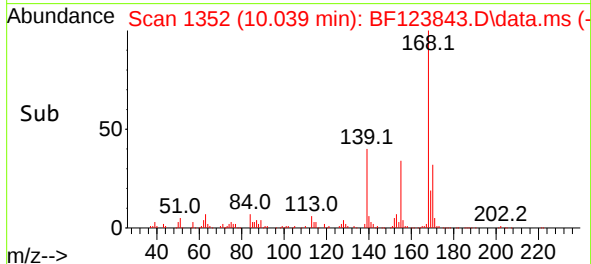
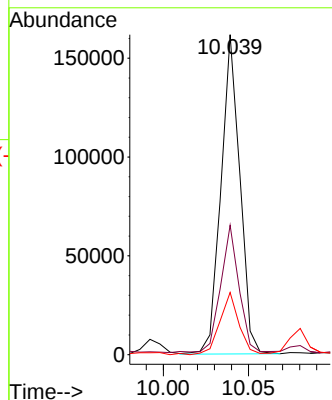
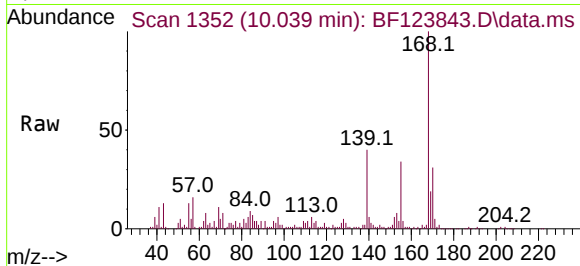




#55
Dibenzofuran
Concen: 2.89 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

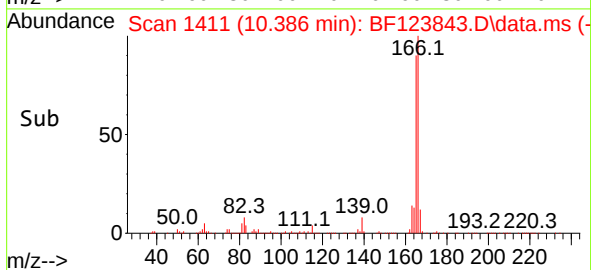
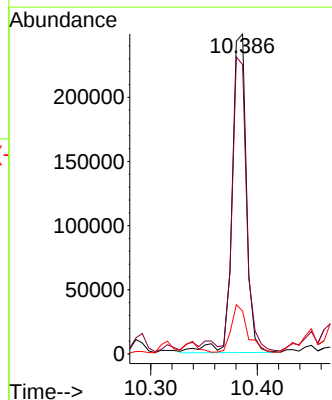
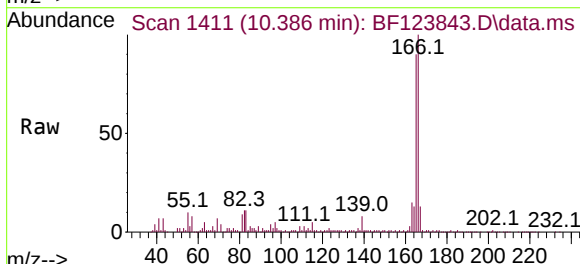
Instrument :
BNA_F
ClientSampleId :
SU-01-050421

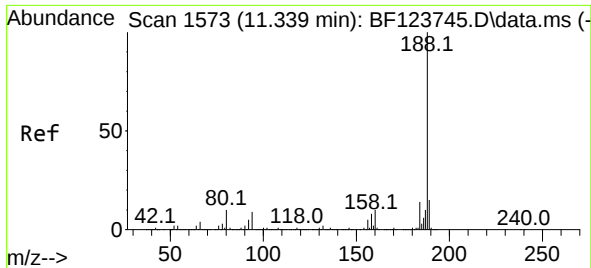
Tgt Ion:168 Resp: 124796
Ion Ratio Lower Upper
168 100
139 40.5 33.2 49.8
169 19.4 10.8 16.2#



#58
Fluorene
Concen: 7.00 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:166 Resp: 232132
Ion Ratio Lower Upper
166 100
165 90.4 73.5 110.3
167 13.4 10.7 16.1

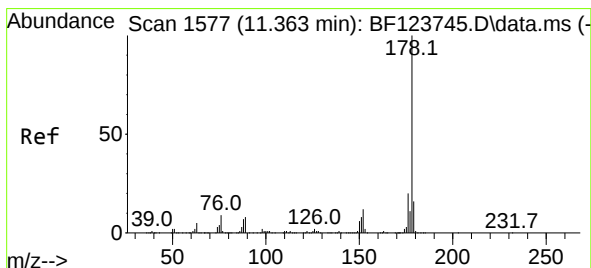
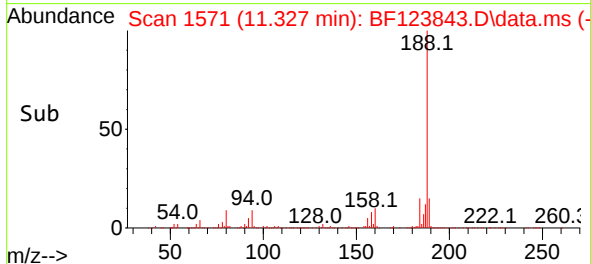
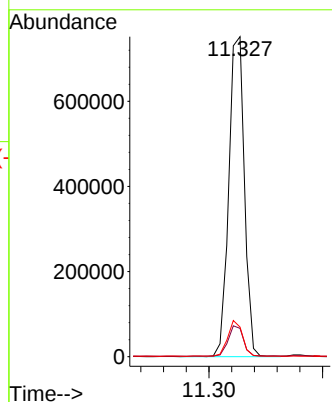
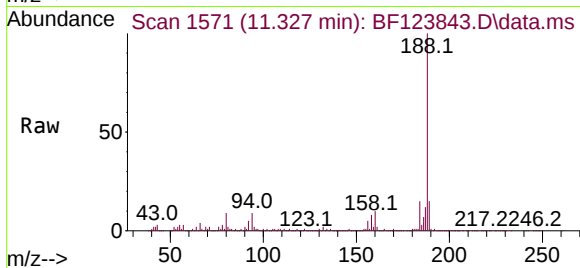




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

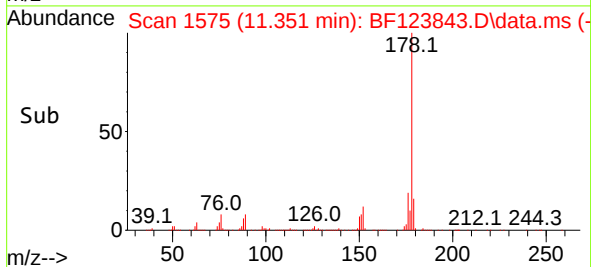
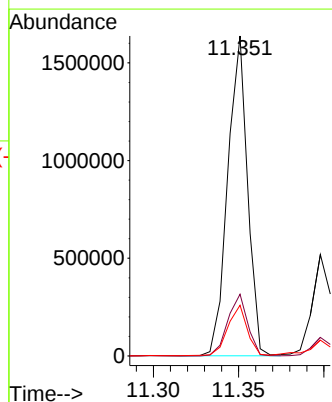
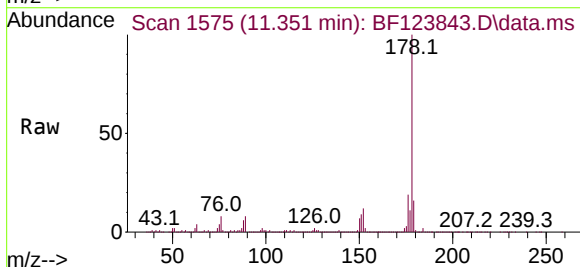
Instrument :
BNA_F
ClientSampleId :
SU-01-050421

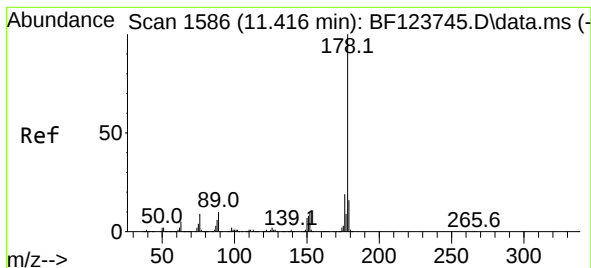
Tgt Ion:188 Resp: 719206
Ion Ratio Lower Upper
188 100
94 8.8 6.9 10.3
80 9.2 8.2 12.2



#71
Phenanthrene
Concen: 35.05 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:178 Resp: 1322430
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.9 12.5 18.7





#72

Anthracene

Concen: 10.37 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF123843.D

Acq: 5 May 2021 23:26

Tgt Ion:178 Resp: 388969

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

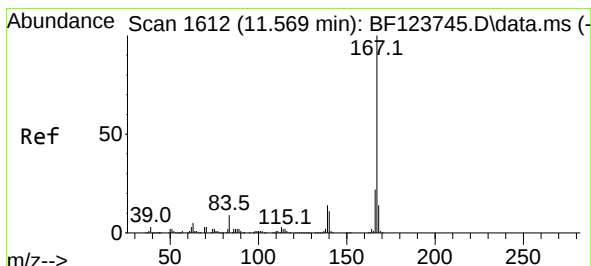
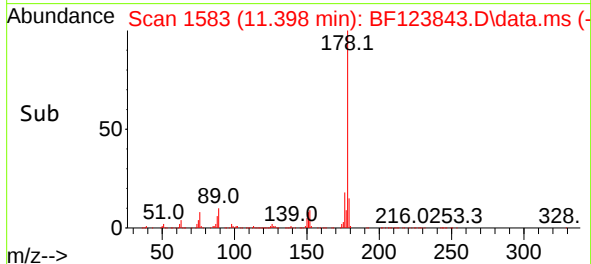
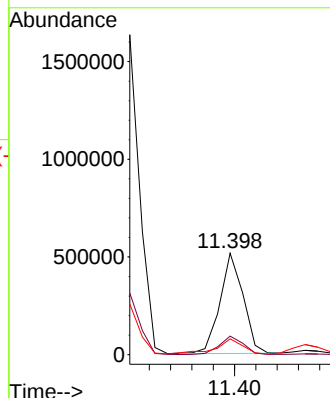
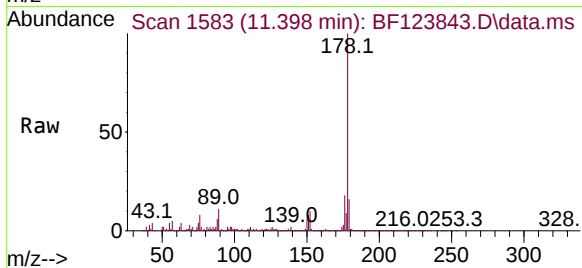
179 15.6 12.6 18.8

Instrument :

BNA_F

ClientSampleId :

SU-01-050421



#73

Carbazole

Concen: 2.29 ng

RT: 11.557 min Scan# 1610

Delta R.T. -0.006 min

Lab File: BF123843.D

Acq: 5 May 2021 23:26

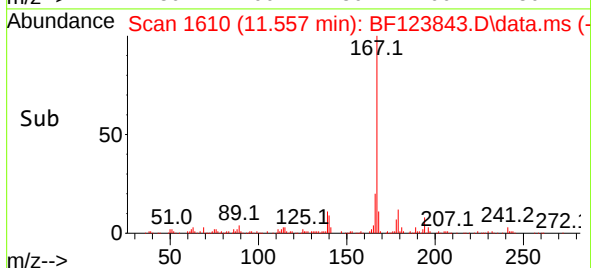
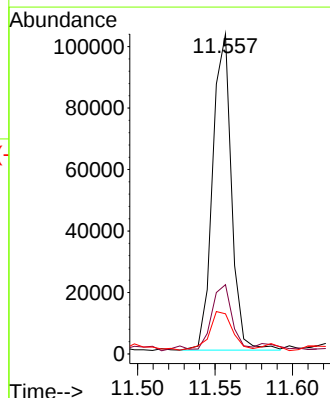
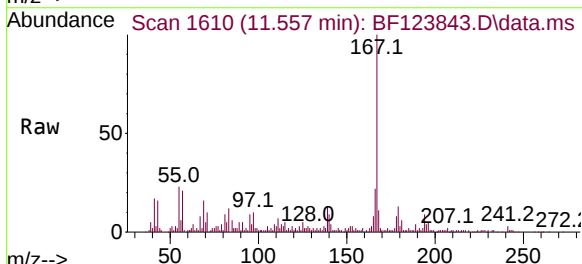
Tgt Ion:167 Resp: 86957

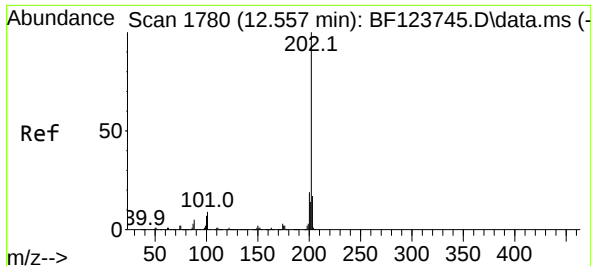
Ion Ratio Lower Upper

167 100

166 21.6 17.0 25.6

139 12.6 10.4 15.6

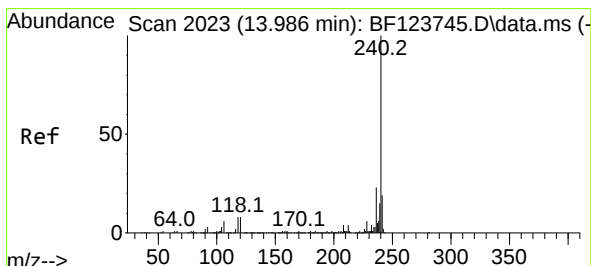
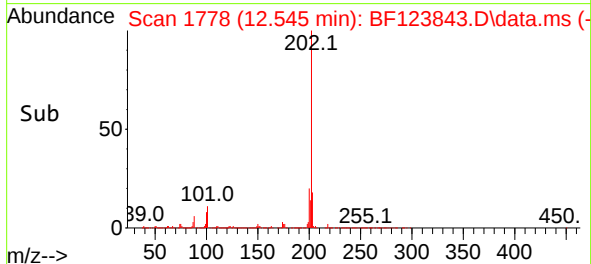
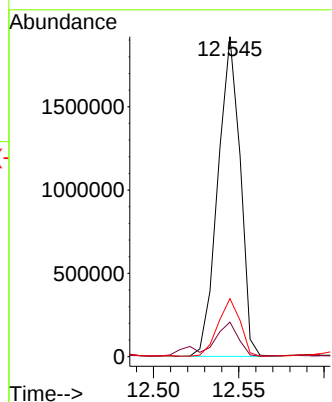
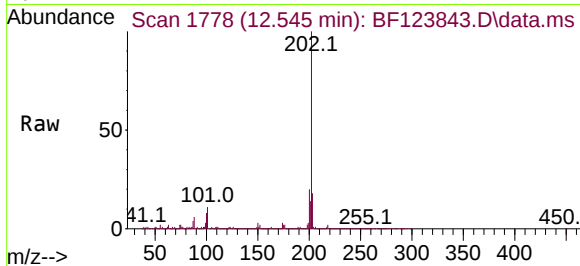




#75
Fluoranthene
Concen: 42.31 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

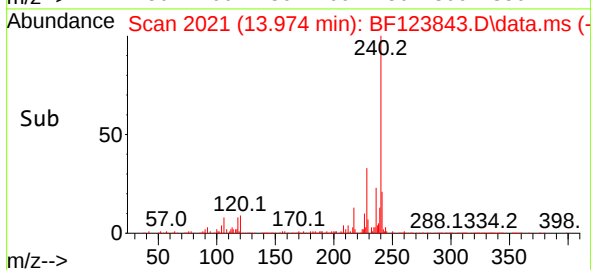
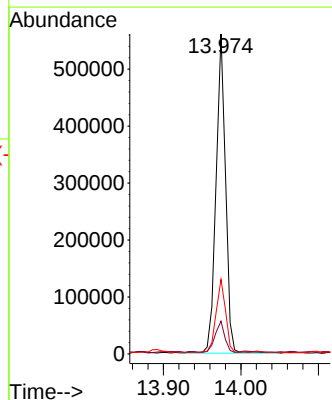
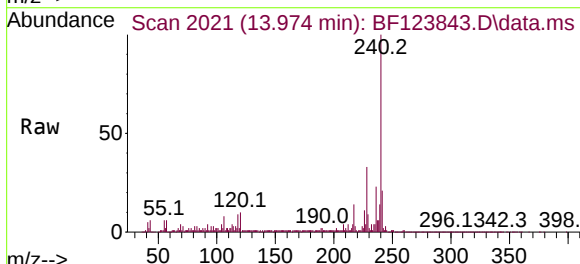
Instrument :
BNA_F
ClientSampleId :
SU-01-050421

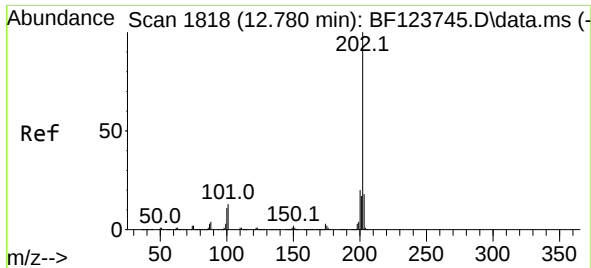
Tgt Ion:202 Resp: 1740698
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.9
203 18.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:240 Resp: 481348
Ion Ratio Lower Upper
240 100
120 10.2 7.2 10.8
236 23.3 19.0 28.4

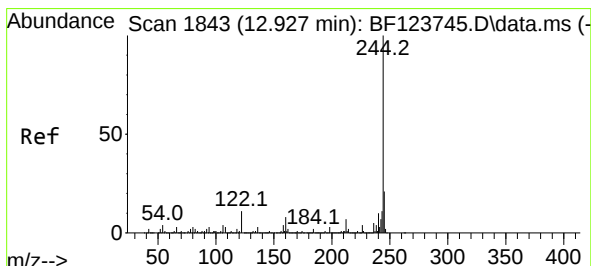
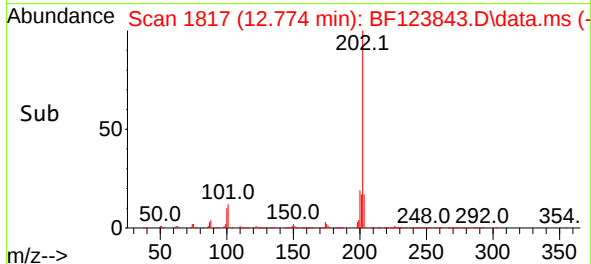
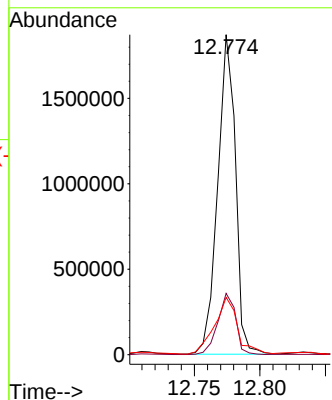
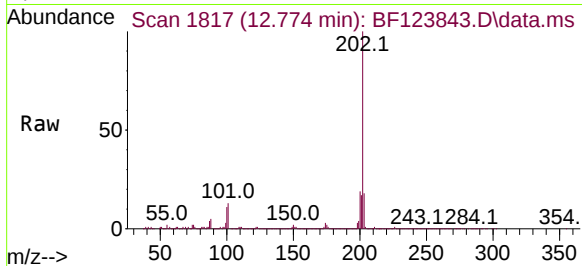




#78
Pyrene
Concen: 47.01 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

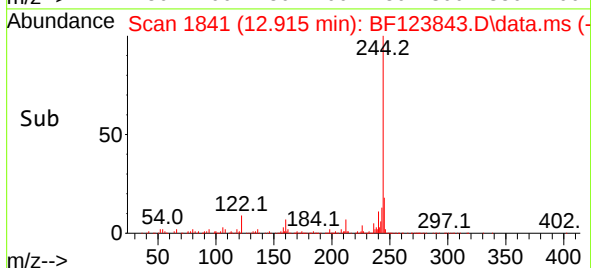
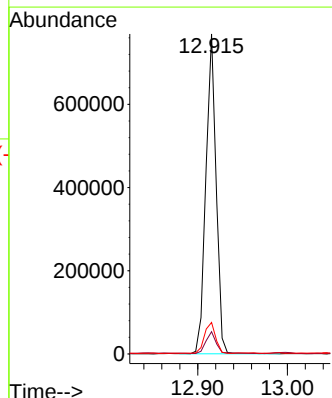
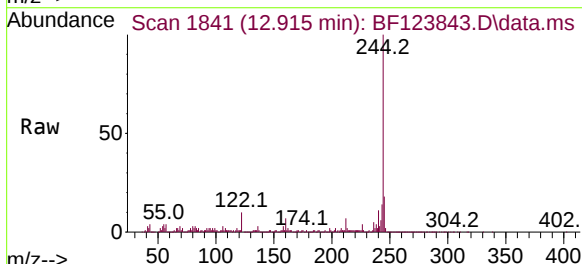
Instrument :
BNA_F
ClientSampleId :
SU-01-050421

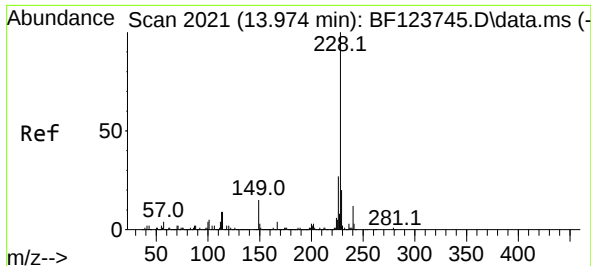
Tgt Ion:202 Resp: 1756365
Ion Ratio Lower Upper
202 100
200 19.2 16.1 24.1
203 17.9 14.8 22.2



#79
Terphenyl-d14
Concen: 24.34 ng
RT: 12.915 min Scan# 1841
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:244 Resp: 608435
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 9.9 9.7 14.5

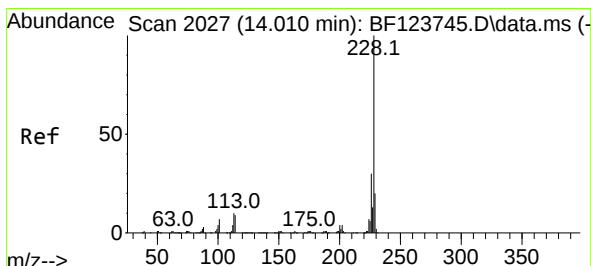
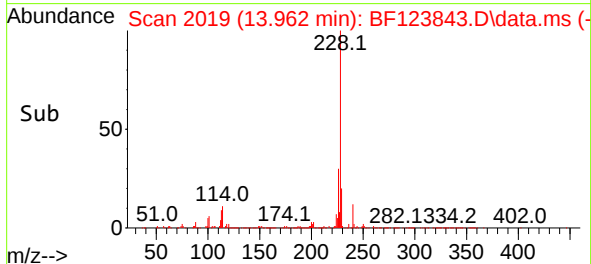
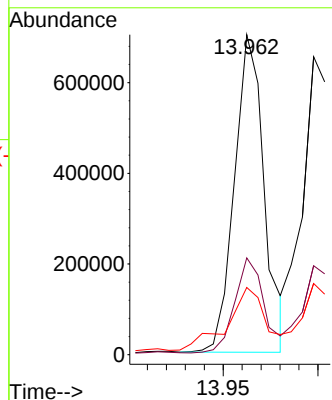
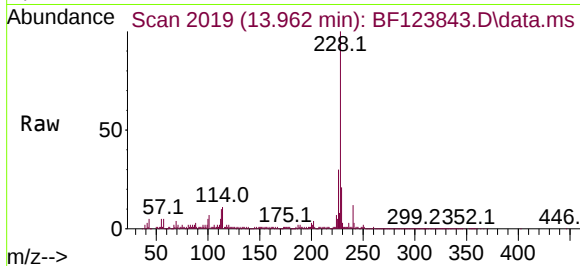




#81
Benzo(a)anthracene
Concen: 26.16 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

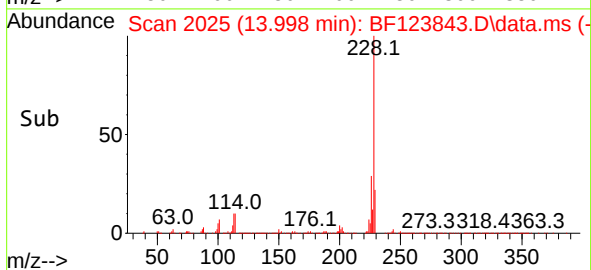
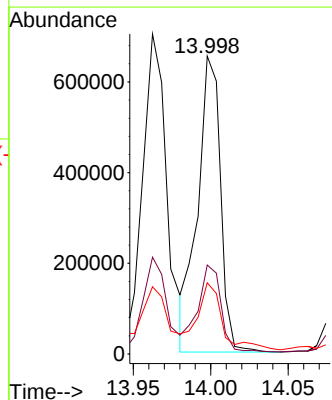
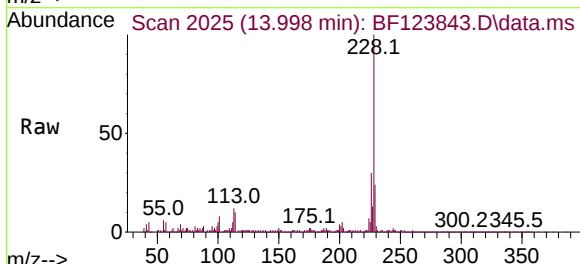
Instrument :
BNA_F
ClientSampleId :
SU-01-050421

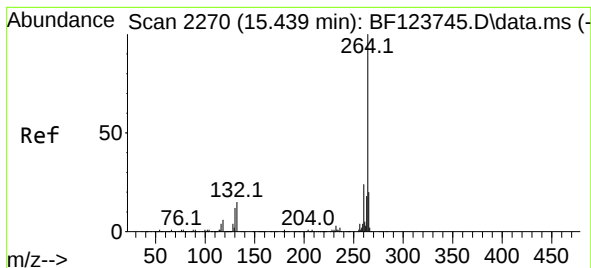
Tgt Ion:228 Resp: 763185
Ion Ratio Lower Upper
228 100
226 30.2 22.4 33.6
229 21.0 16.0 24.0



#83
Chrysene
Concen: 22.80 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:228 Resp: 668974
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 23.9 16.2 24.2



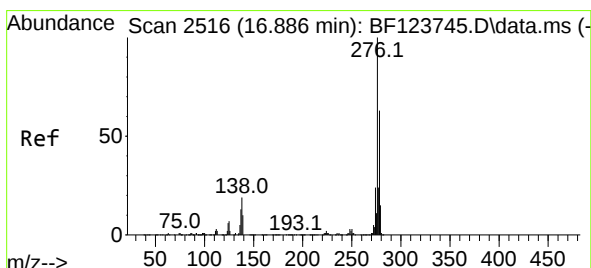
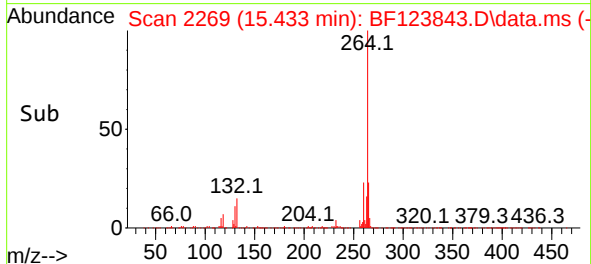
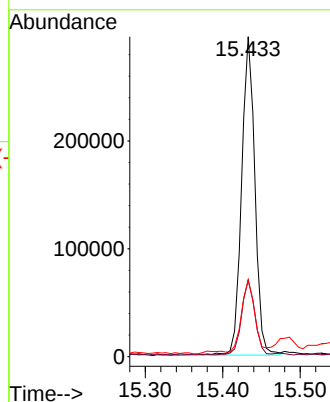
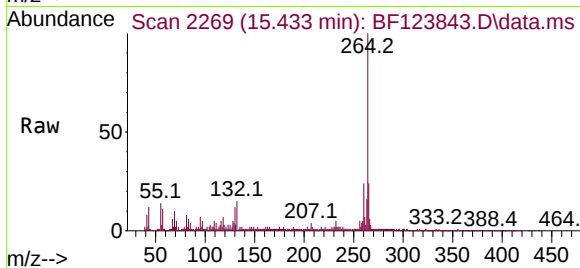


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Instrument :
BNA_F
ClientSampleId :
SU-01-050421

Tgt Ion:264 Resp: 352453

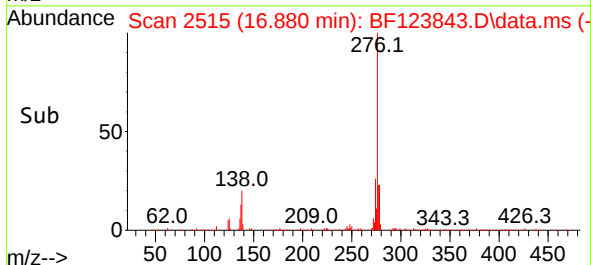
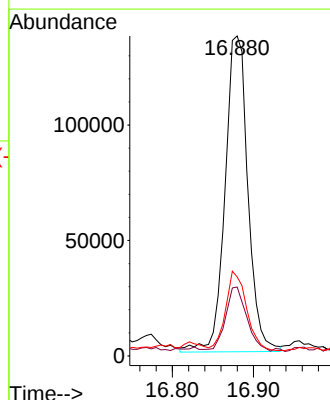
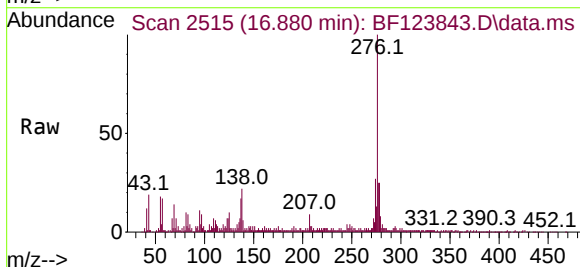
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	24.1	17.8	26.8

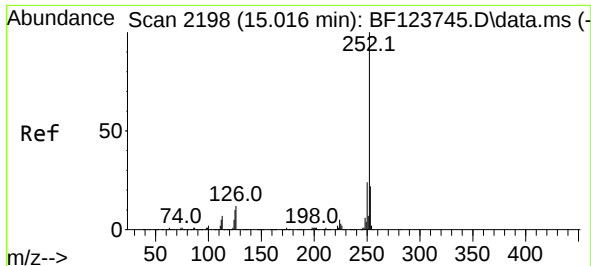


#87
Indeno(1,2,3-cd)pyrene
Concen: 13.09 ng
RT: 16.880 min Scan# 2515
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:276 Resp: 268726

Ion	Ratio	Lower	Upper
276	100		
138	18.8	16.2	24.2
277	22.9	20.1	30.1

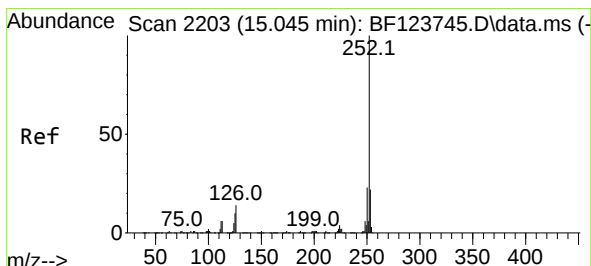
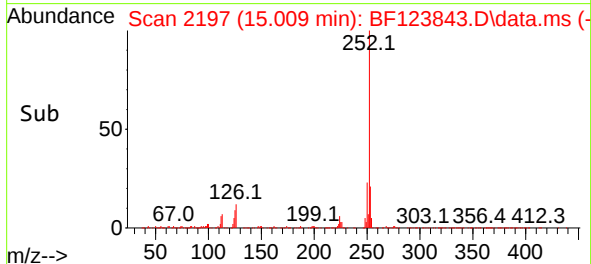
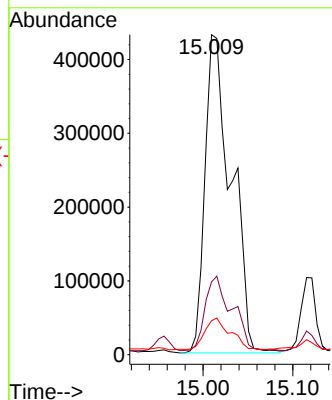
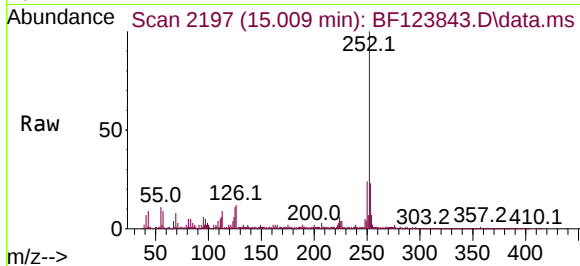




#88
Benzo(b)fluoranthene
Concen: 37.00 ng
RT: 15.009 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

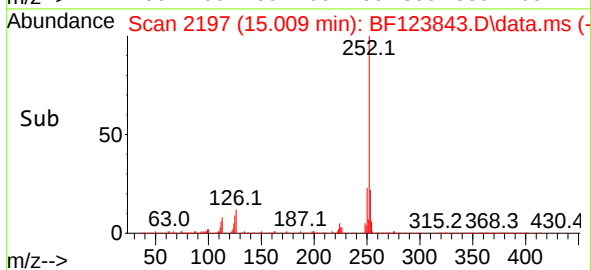
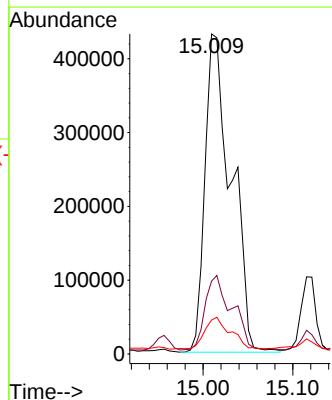
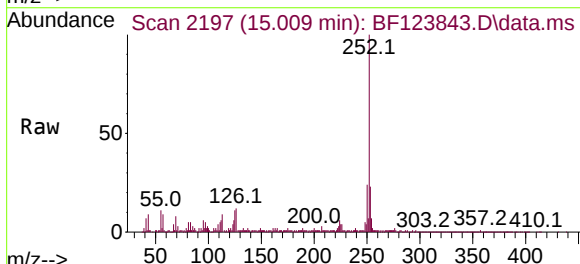
Instrument :
BNA_F
ClientSampleId :
SU-01-050421

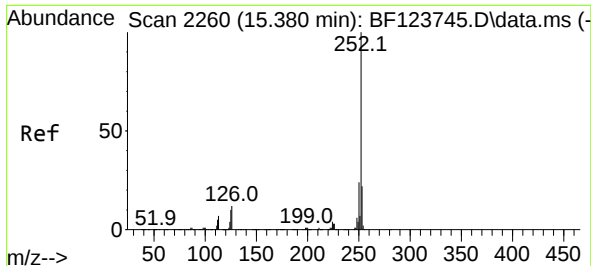
Tgt Ion:252 Resp: 878677
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 10.6 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 38.76 ng
RT: 15.009 min Scan# 2197
Delta R.T. -0.030 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:252 Resp: 878677
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 10.6 7.0 10.6#

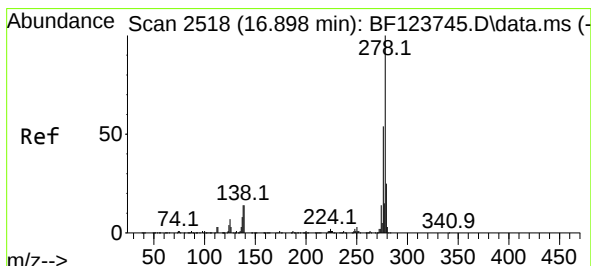
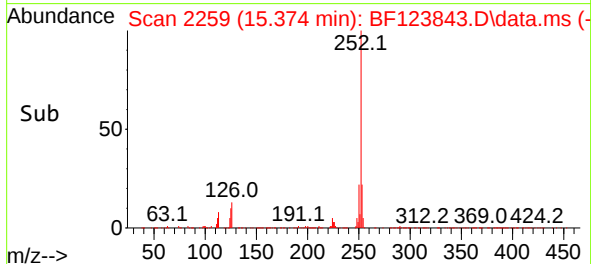
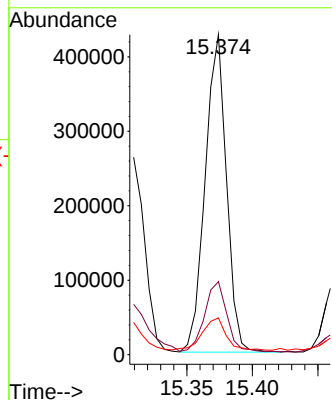
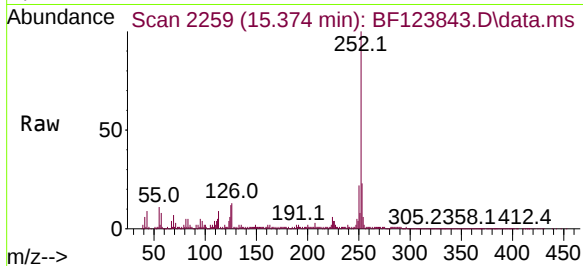




#90
Benzo(a)pyrene
Concen: 23.77 ng
RT: 15.374 min Scan# 2259
Delta R.T. 0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

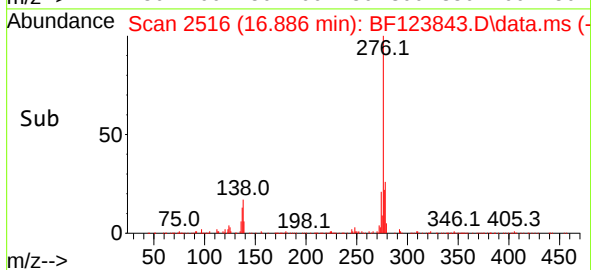
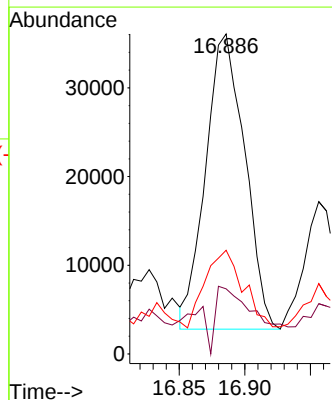
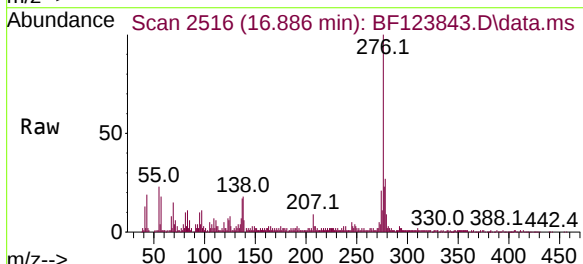
Instrument :
BNA_F
ClientSampleId :
SU-01-050421

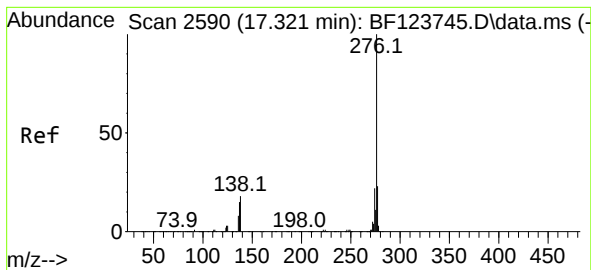
Tgt Ion:252 Resp: 482695
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 11.5 8.0 12.0



#91
Dibenzo(a,h)anthracene
Concen: 3.98 ng
RT: 16.886 min Scan# 2516
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

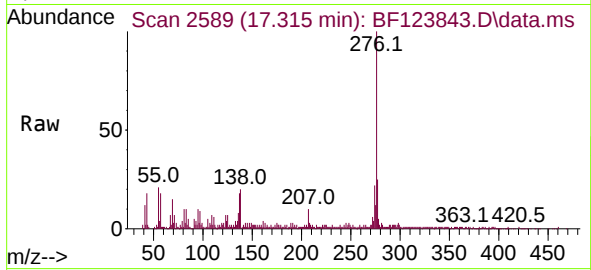
Tgt Ion:278 Resp: 69062
Ion Ratio Lower Upper
278 100
139 20.3 10.2 15.2#
279 32.4 19.4 29.0#





#92
 Benzo(g,h,i)perylene
 Concen: 14.83 ng
 RT: 17.315 min Scan# 2589
 Delta R.T. -0.000 min
 Lab File: BF123843.D
 Acq: 5 May 2021 23:26

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-050421



Tgt Ion:276 Resp: 257441

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.2	27.2
138	19.8	13.8	20.6

