

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
 Data File : BF122879.D
 Acq On : 30 Dec 2020 15:25
 Operator : JU/CG
 Sample : L5242-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1(494+26)

Quant Time: Dec 30 15:50:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 18:14:23 2020
 Response via : Initial Calibration

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

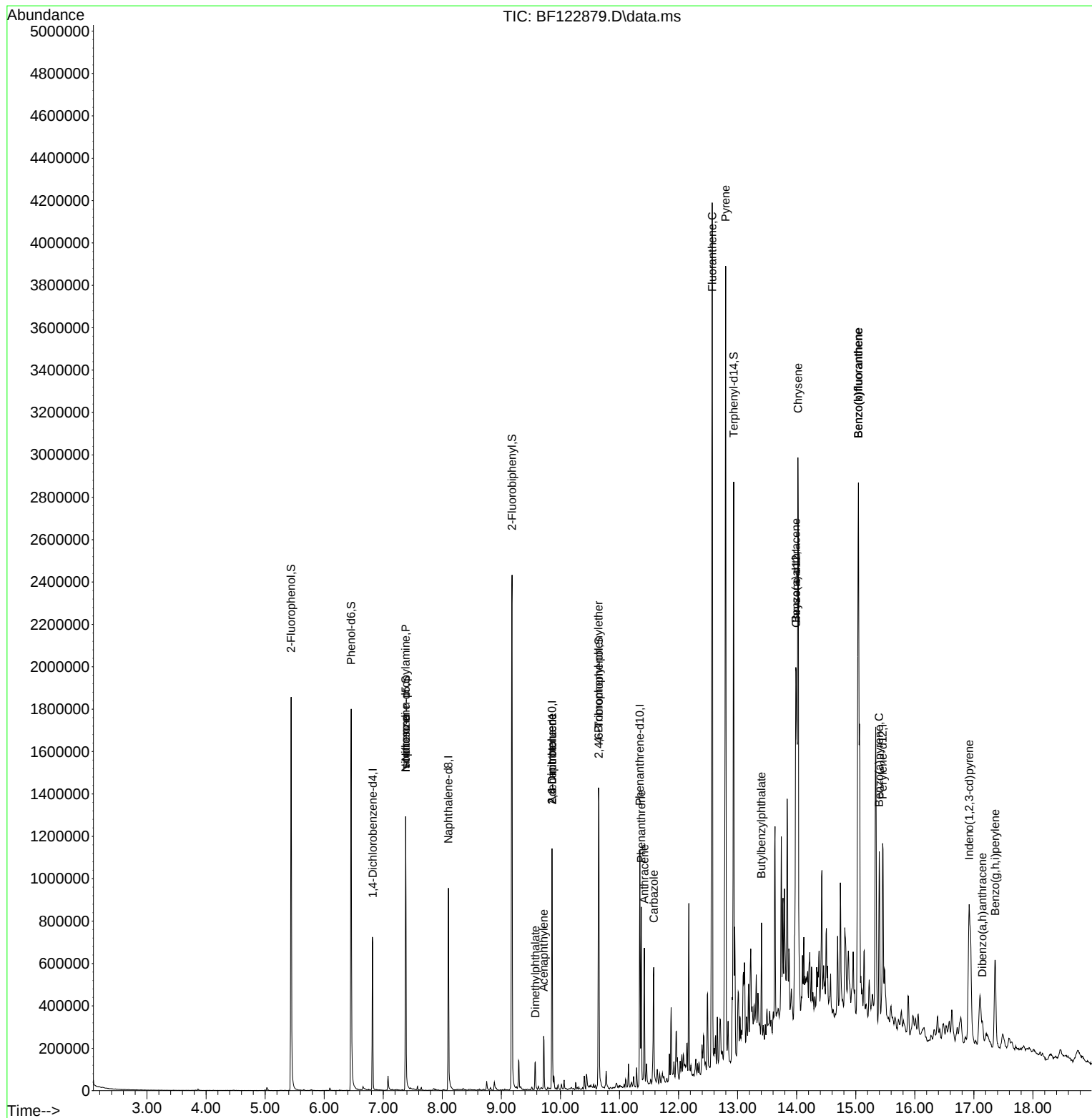
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	118348	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	443626	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	222911	20.00	ng	0.00
64) Phenanthrene-d10	11.345	188	381058	20.00	ng	0.00
76) Chrysene-d12	13.992	240	323346	20.00	ng	0.00
86) Perylene-d12	15.457	264	376232	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	554205	74.14	ng	0.00
7) Phenol-d6	6.457	99	659800	66.55	ng	0.00
23) Nitrobenzene-d5	7.381	82	420492	47.49	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	208873	71.59	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	841134	51.04	ng	0.00
79) Terphenyl-d14	12.933	244	858466	46.47	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	56033	9.87	ng	# 76
25) Isophorone	7.381	82	420487	27.57	ng	# 65
49) Acenaphthylene	9.716	152	114135	5.04	ng	97
50) Dimethylphthalate	9.575	163	60323	3.39	ng	99
51) 2,6-Dinitrotoluene	9.857	165	28852	7.67	ng	# 31
57) 2,4-Dinitrotoluene	9.857	165	28846	5.76	ng	# 25
67) 4-Bromophenyl-phenylether	10.645	248	13092	2.54	ng	# 1
71) Phenanthrene	11.369	178	290887	12.84	ng	98
72) Anthracene	11.421	178	249446	11.11	ng	98
73) Carbazole	11.580	167	230172	11.30	ng	98
75) Fluoranthene	12.568	202	1888916	79.54	ng	99
78) Pyrene	12.798	202	1623534	64.94	ng	100
80) Butylbenzylphthalate	13.404	149	69479	6.17	ng	97
81) Benzo(a)anthracene	13.986	228	617575	28.58	ng	94
83) Chrysene	14.021	228	1254648	58.34	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	405818	16.43	ng	95
88) Benzo(b)fluoranthene	15.045	252	1944349	73.66	ng	100
89) Benzo(k)fluoranthene	15.045	252	1944349	80.56	ng	98
90) Benzo(a)pyrene	15.398	252	343150	14.86	ng	95
91) Dibenzo(a,h)anthracene	17.145	278	55513	2.75	ng	95
92) Benzo(g,h,i)perylene	17.362	276	348070	17.79	ng	98

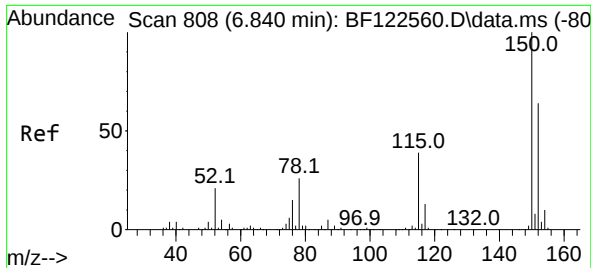
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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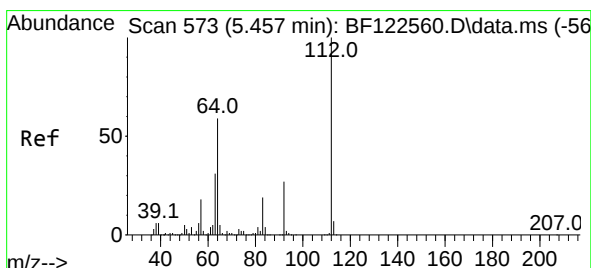
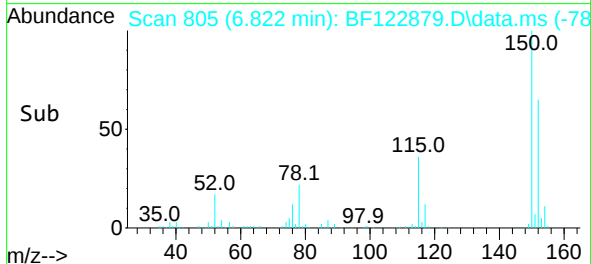
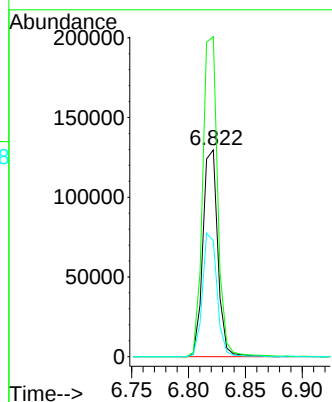
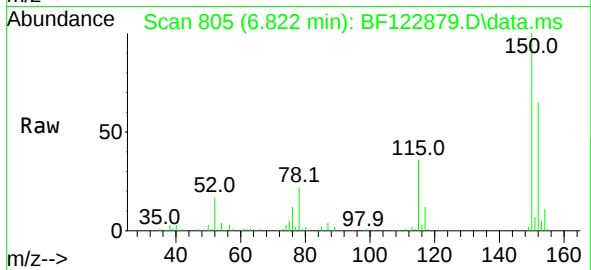




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.822 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF122879.D
 Acq: 30 Dec 2020 15:25

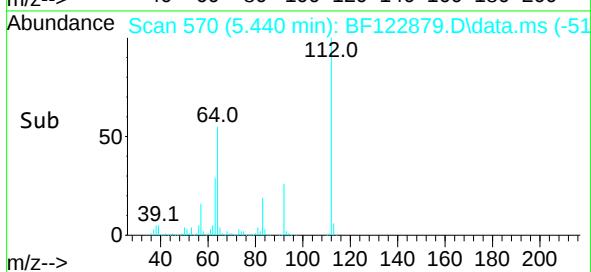
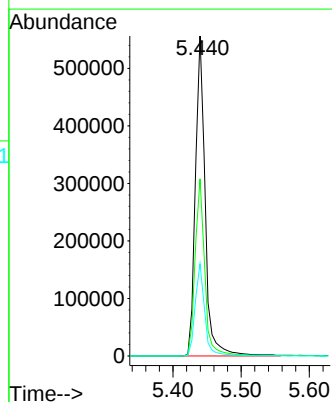
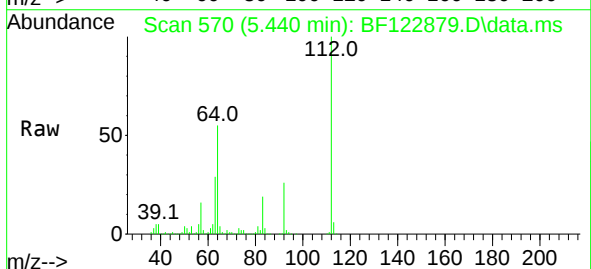
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1(494+26)

Tgt Ion:152 Resp: 118348
 Ion Ratio Lower Upper
 152 100
 150 154.8 125.8 188.6
 115 56.1 49.3 73.9



#5
 2-Fluorophenol
 Concen: 74.14 ng
 RT: 5.440 min Scan# 570
 Delta R.T. 0.006 min
 Lab File: BF122879.D
 Acq: 30 Dec 2020 15:25

Tgt Ion:112 Resp: 554205
 Ion Ratio Lower Upper
 112 100
 64 55.4 46.9 70.3
 63 28.8 24.5 36.7

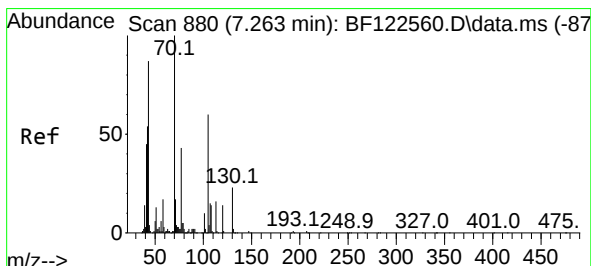
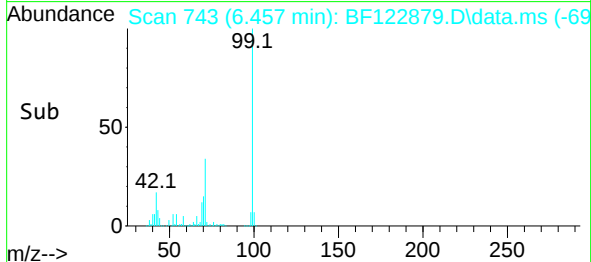
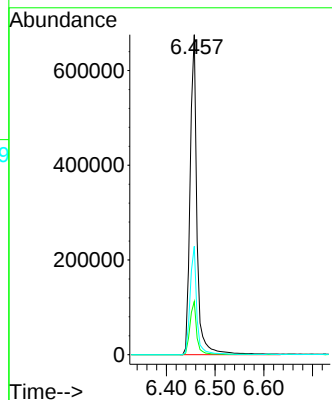
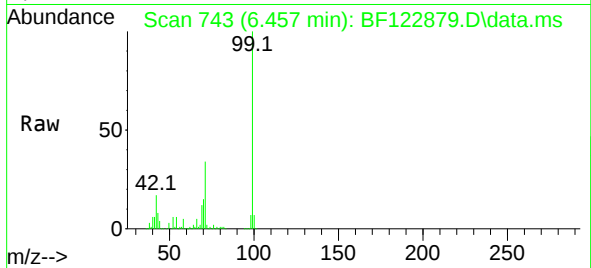




#7
Phenol-d6
Concen: 66.55 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

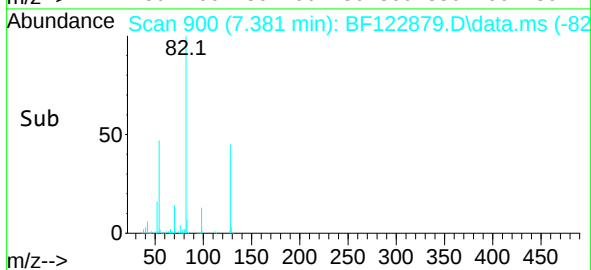
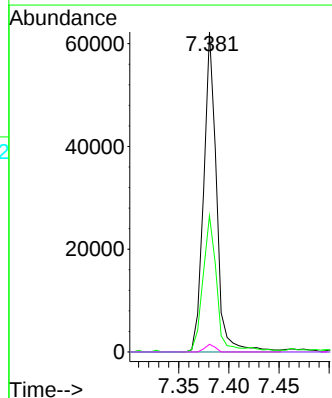
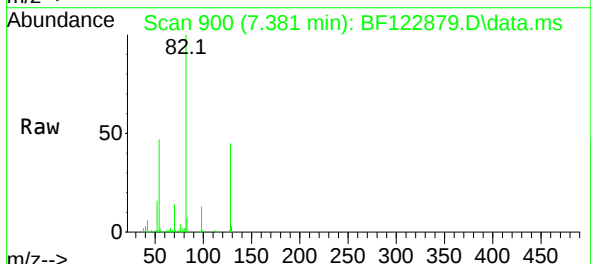
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

Tgt Ion: 99 Resp: 659800
Ion Ratio Lower Upper
99 100
42 16.6 13.8 20.6
71 33.8 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 9.87 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

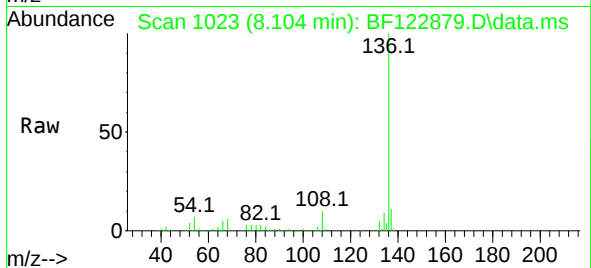
Tgt Ion: 70 Resp: 56033
Ion Ratio Lower Upper
70 100
42 42.6 43.0 64.4#
101 0.0 7.9 11.9#
130 2.4 18.5 27.7#



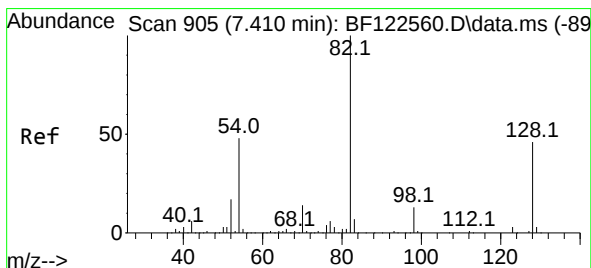
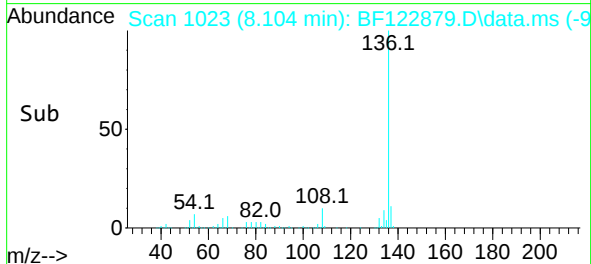
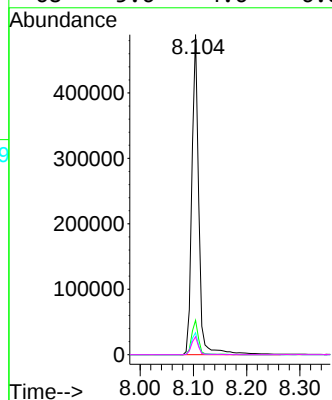


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

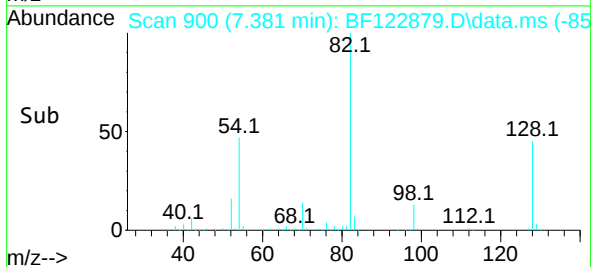
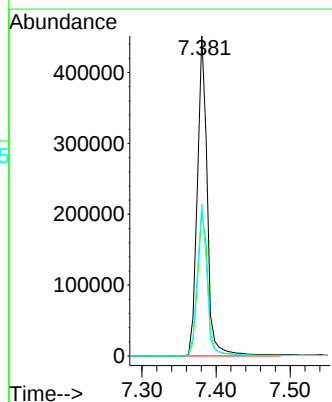
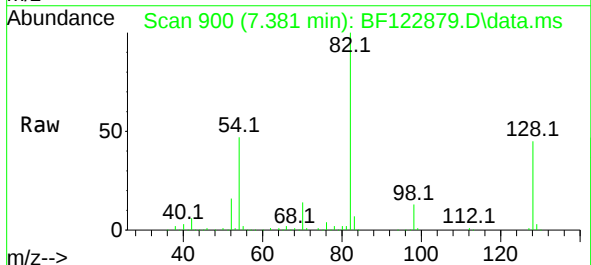


Tgt Ion:136 Resp: 443626
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.9 5.5 8.3
68 5.6 4.6 6.8



#23
Nitrobenzene-d5
Concen: 47.49 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

Tgt Ion: 82 Resp: 420492
Ion Ratio Lower Upper
82 100
128 45.3 37.0 55.4
54 47.4 38.4 57.6

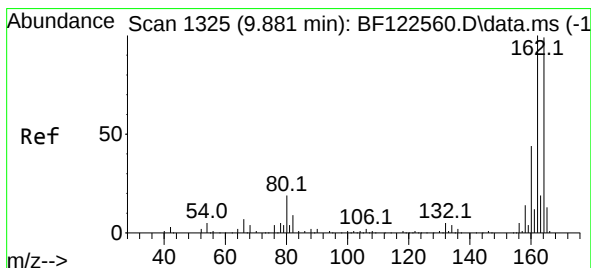
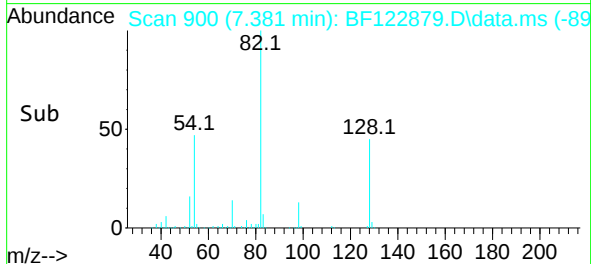
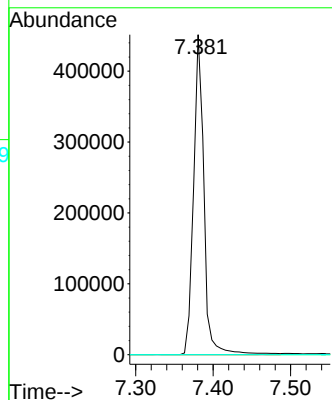
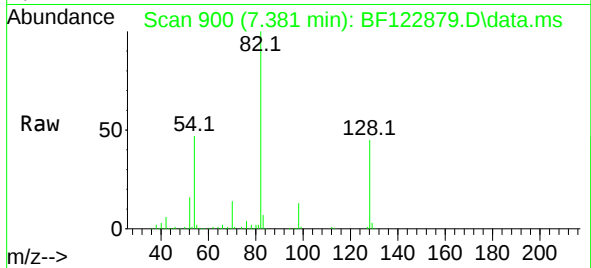




#25
Isophorone
Concen: 27.57 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

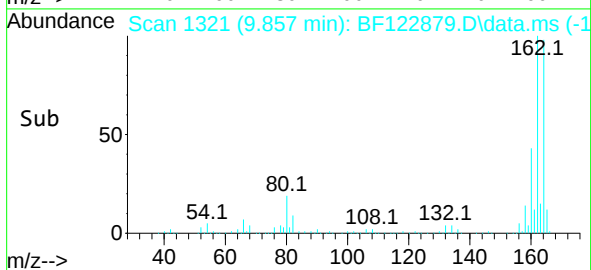
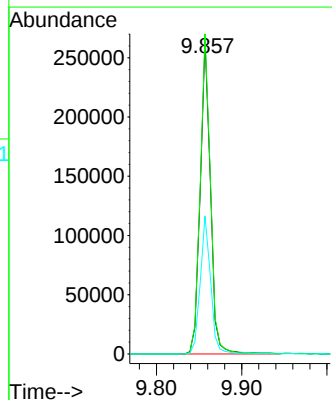
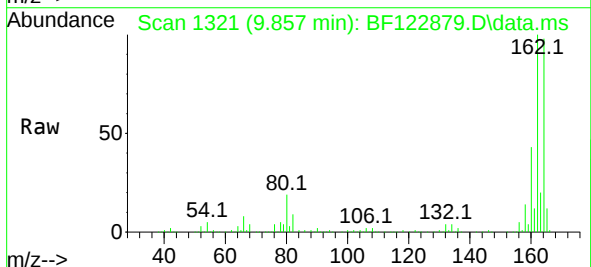
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

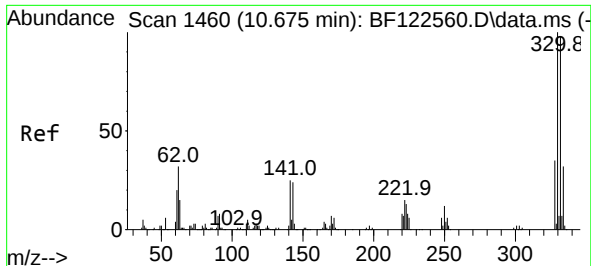
Tgt Ion: 82 Resp: 420487
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

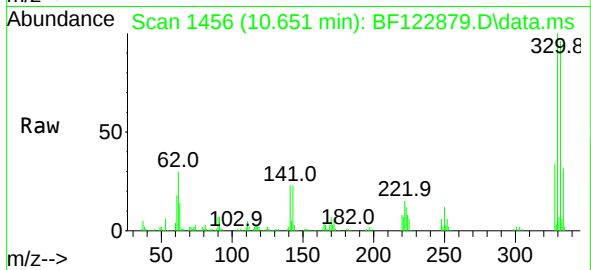
Tgt Ion:164 Resp: 222911
Ion Ratio Lower Upper
164 100
162 101.7 80.8 121.2
160 43.8 35.4 53.0



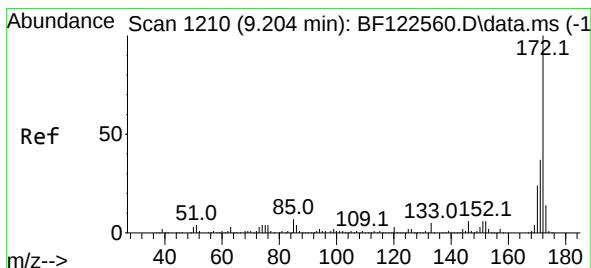
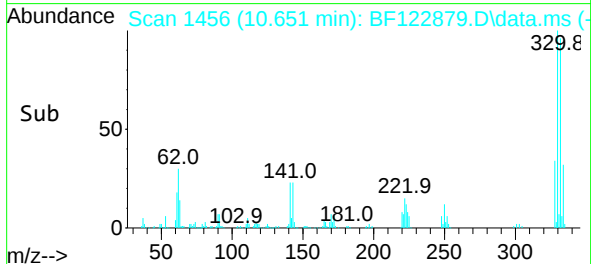
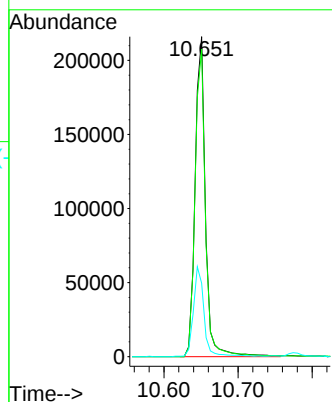


#42
2,4,6-Tribromophenol
Concen: 71.59 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

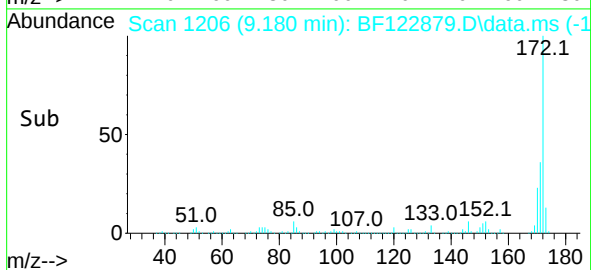
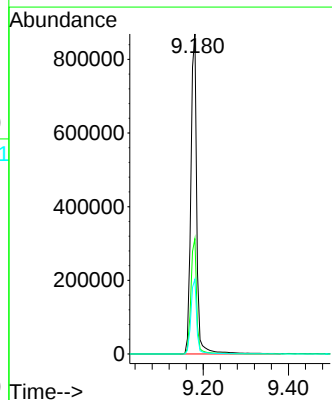
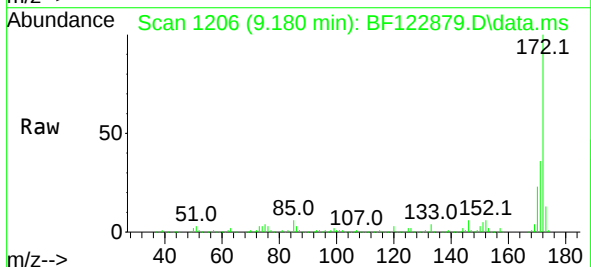


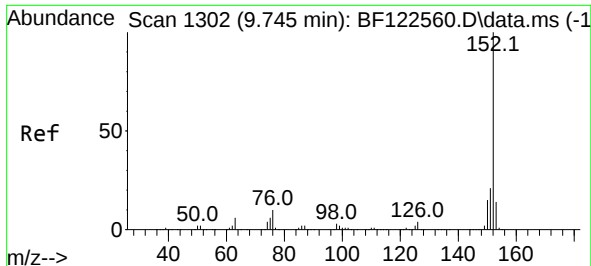
Tgt Ion: 330 Resp: 208873
Ion Ratio Lower Upper
330 100
332 97.2 77.5 116.3
141 29.3 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 51.04 ng
RT: 9.180 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

Tgt Ion: 172 Resp: 841134
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 23.4 19.5 29.3





#49

Acenaphthylene

Concen: 5.04 ng

RT: 9.716 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF122879.D

Acq: 30 Dec 2020 15:25

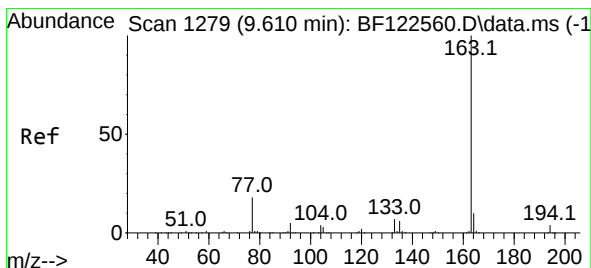
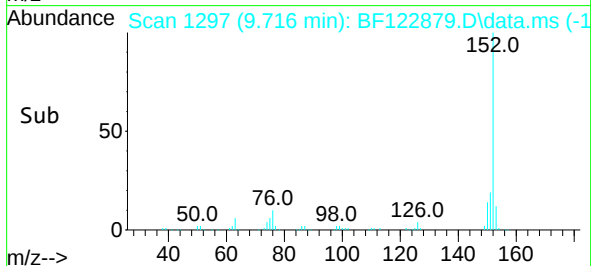
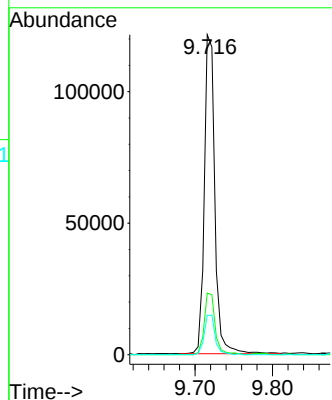
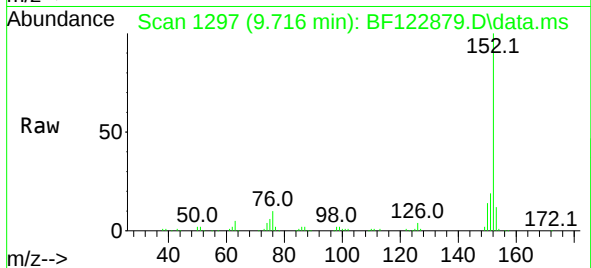
Tgt Ion:152 Resp: 114135

Ion Ratio Lower Upper

152 100

151 19.2 16.6 25.0

153 12.3 10.9 16.3



#50

Dimethylphthalate

Concen: 3.39 ng

RT: 9.575 min Scan# 1273

Delta R.T. -0.012 min

Lab File: BF122879.D

Acq: 30 Dec 2020 15:25

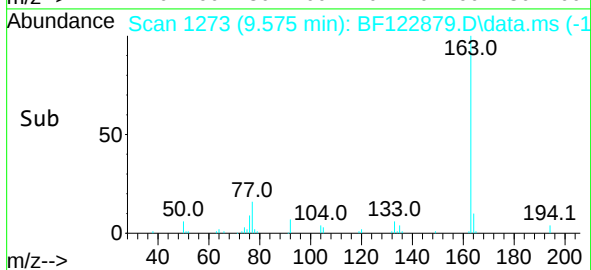
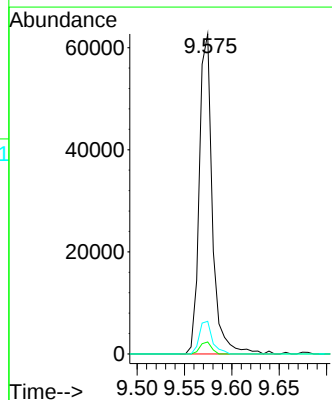
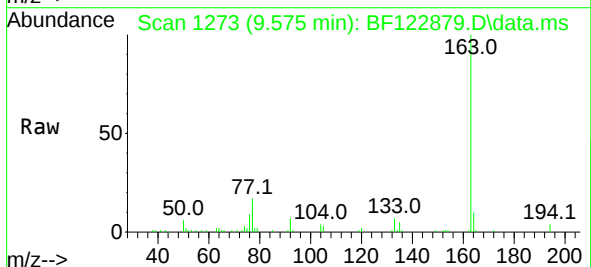
Tgt Ion:163 Resp: 60323

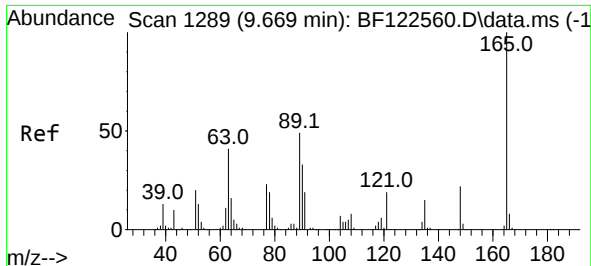
Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.0

164 10.2 8.1 12.1

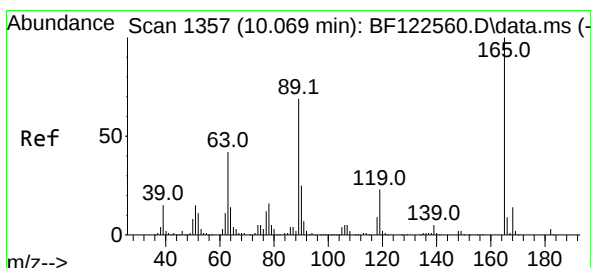
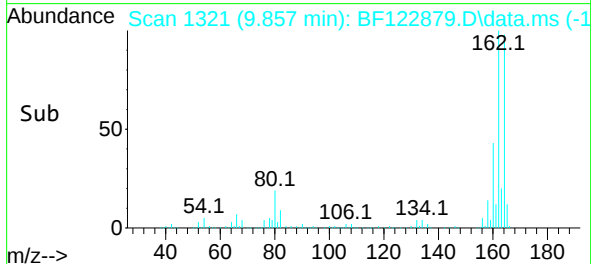
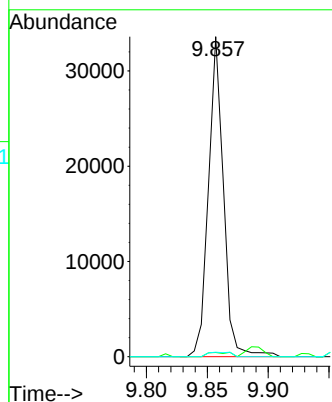
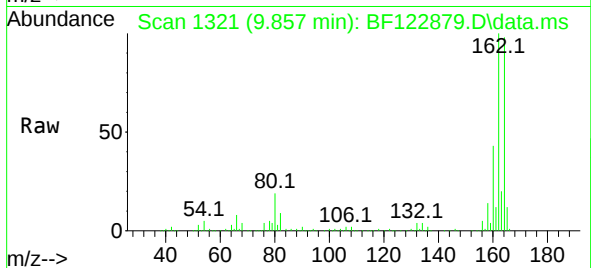




#51
2,6-Dinitrotoluene
Concen: 7.67 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

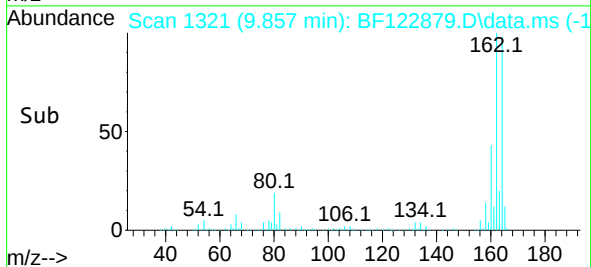
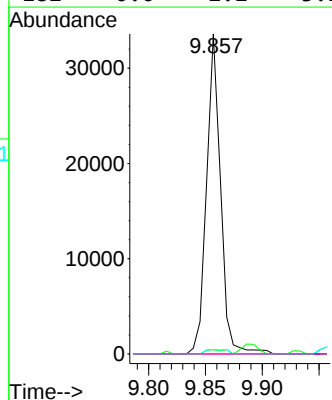
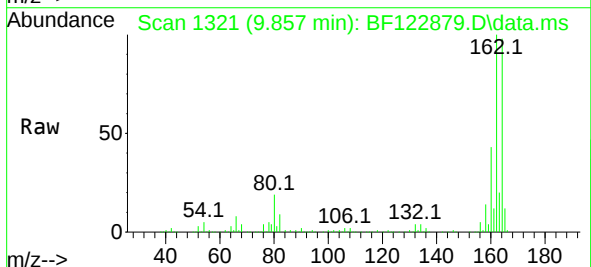
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

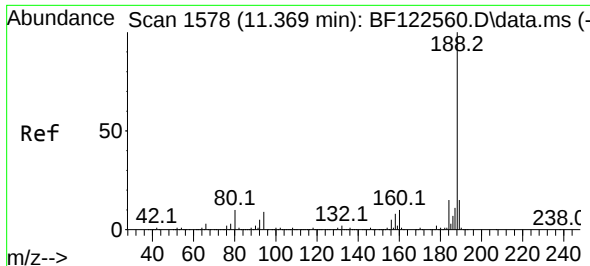
Tgt Ion:165 Resp: 28852
Ion Ratio Lower Upper
165 100
63 1.3 36.6 55.0#
89 1.4 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 5.76 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

Tgt Ion:165 Resp: 28846
Ion Ratio Lower Upper
165 100
63 1.3 34.3 51.5#
89 1.4 55.2 82.8#
182 0.0 2.2 3.2#

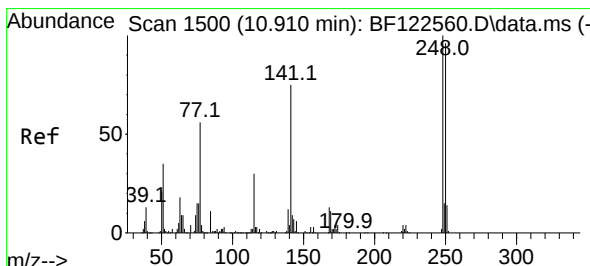
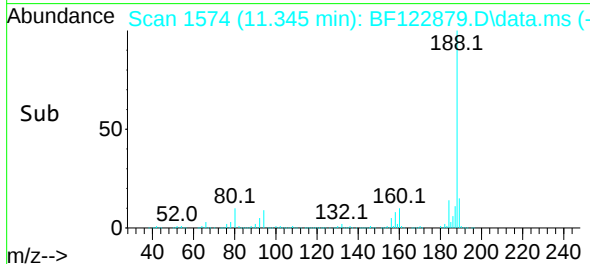
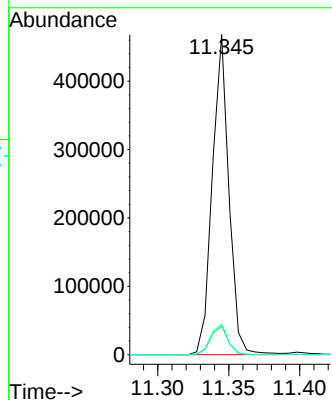
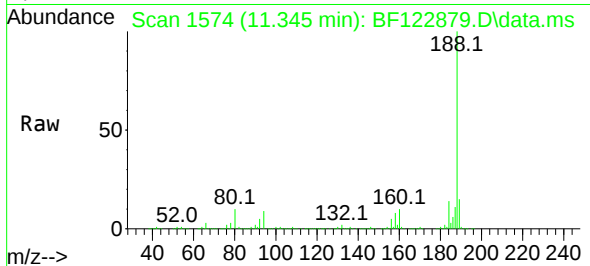




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

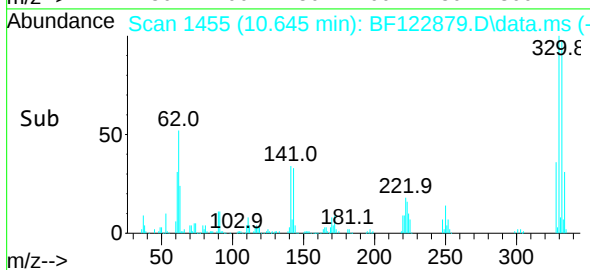
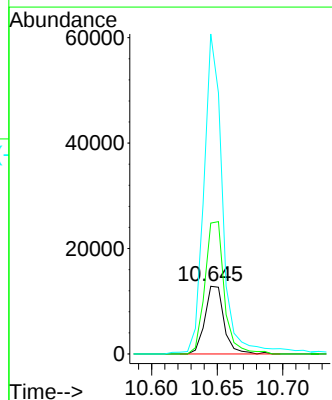
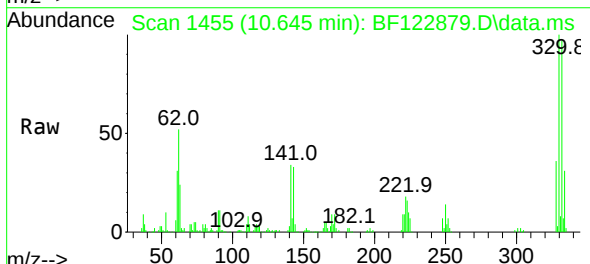
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

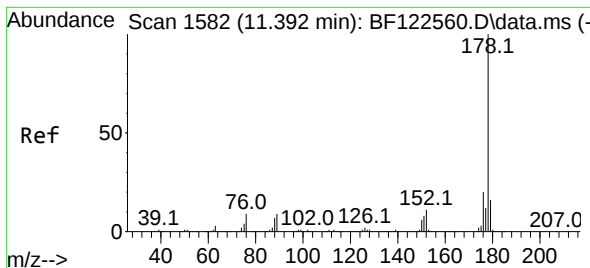
Tgt Ion:188 Resp: 381058
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 9.5 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 2.54 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.247 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

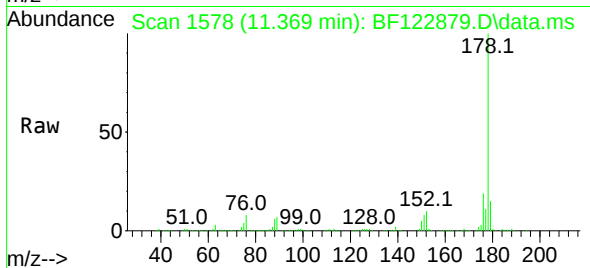
Tgt Ion:248 Resp: 13092
Ion Ratio Lower Upper
248 100
250 193.2 76.8 115.2#
141 472.4 59.8 89.8#



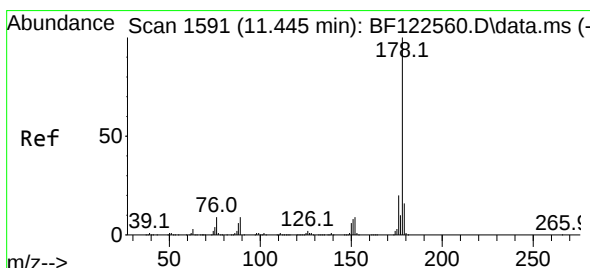
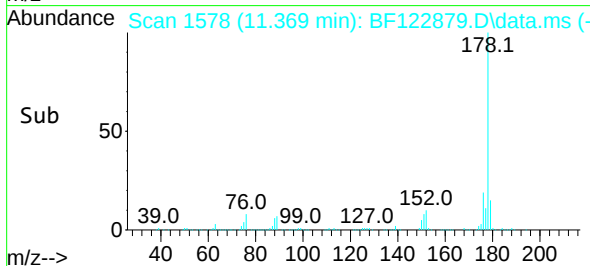
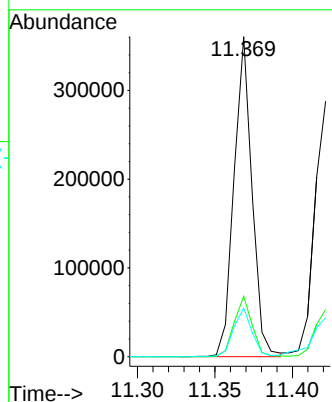


#71
Phenanthrene
Concen: 12.84 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

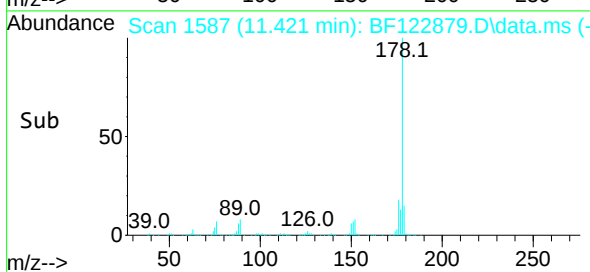
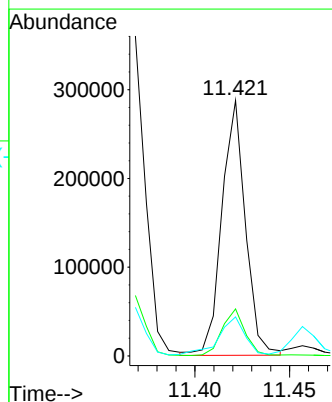
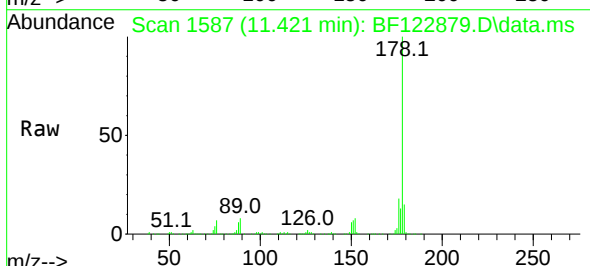


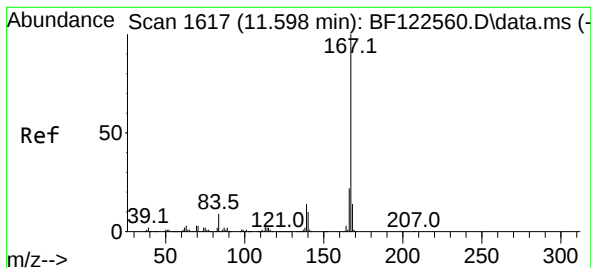
Tgt Ion:178 Resp: 290887
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.2
179 15.2 12.7 19.1



#72
Anthracene
Concen: 11.11 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

Tgt Ion:178 Resp: 249446
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 15.3 12.8 19.2

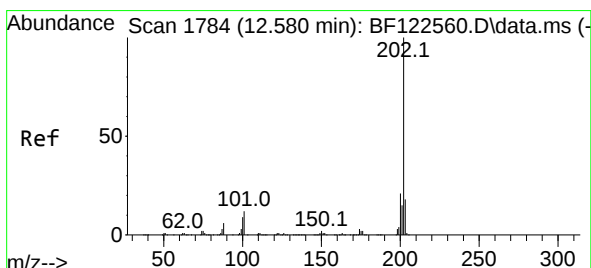
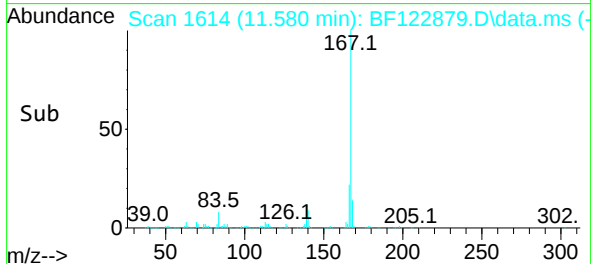
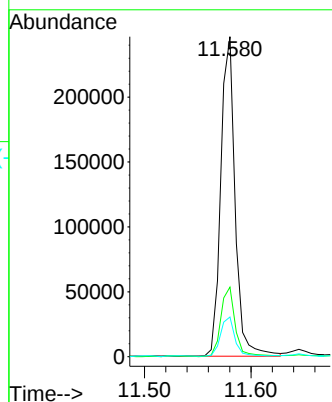
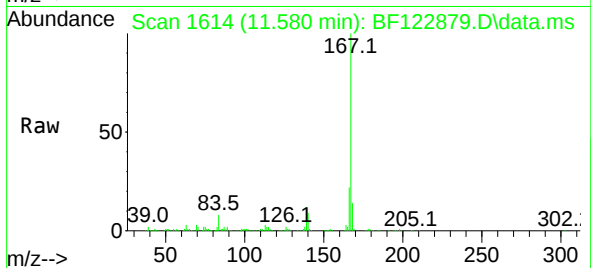




#73
 Carbazole
 Concen: 11.30 ng
 RT: 11.580 min Scan# 1614
 Delta R.T. 0.006 min
 Lab File: BF122879.D
 Acq: 30 Dec 2020 15:25

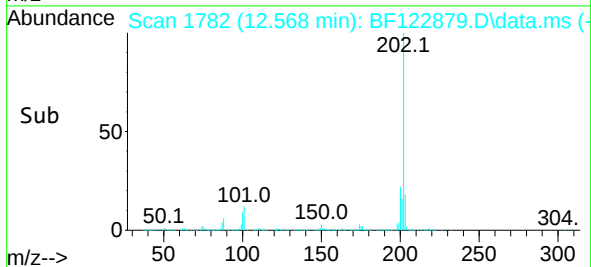
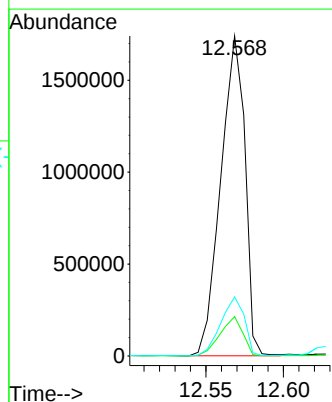
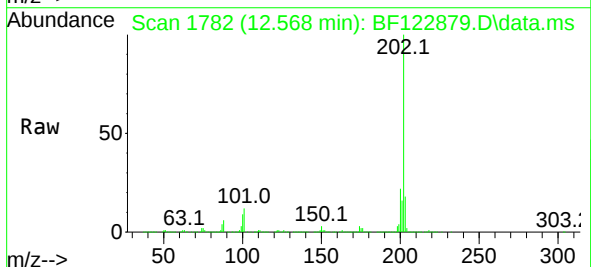
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1(494+26)

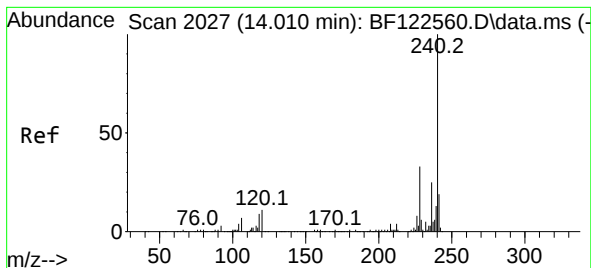
Tgt Ion:167 Resp: 230172
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.0 27.0
 139 12.4 10.9 16.3



#75
 Fluoranthene
 Concen: 79.54 ng
 RT: 12.568 min Scan# 1782
 Delta R.T. 0.012 min
 Lab File: BF122879.D
 Acq: 30 Dec 2020 15:25

Tgt Ion:202 Resp: 1888916
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 32.2
 203 18.5 0.0 38.1

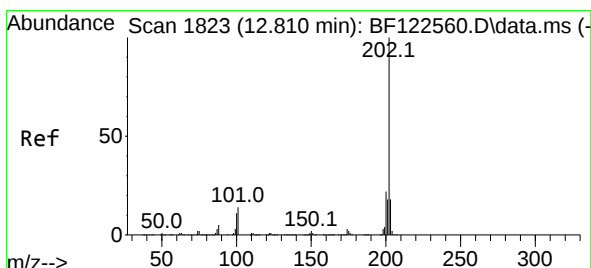
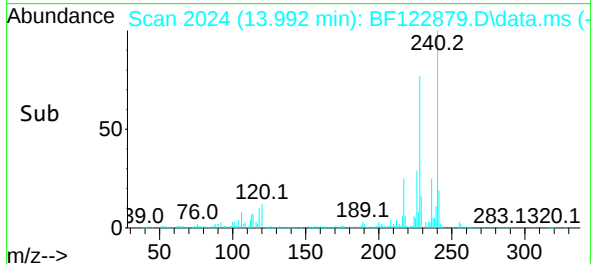
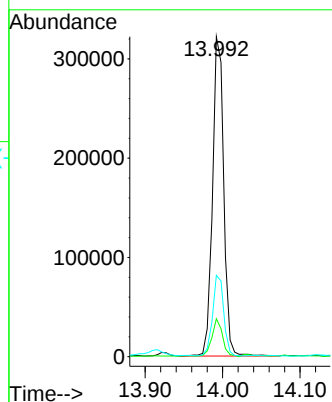
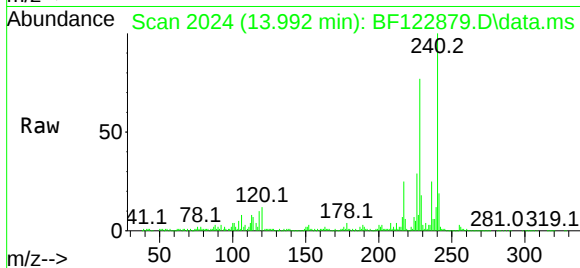




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

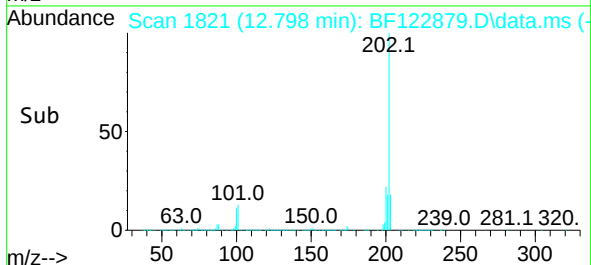
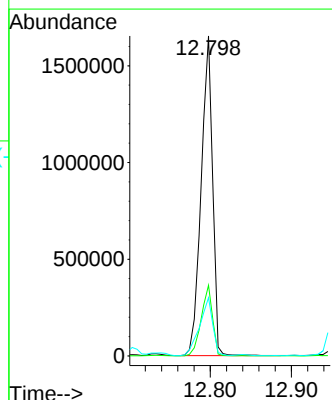
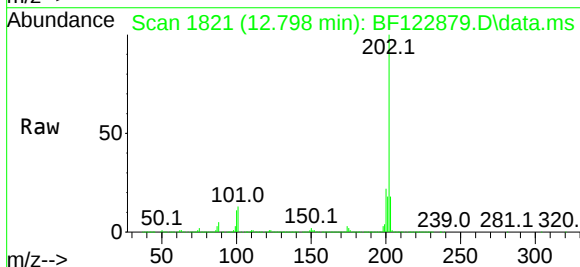
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

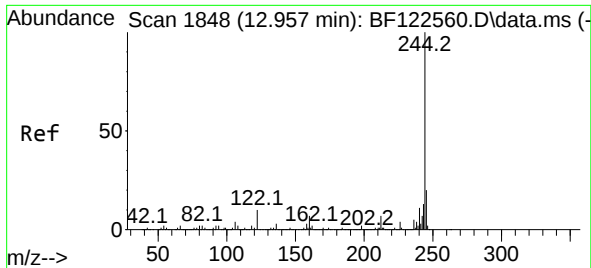
Tgt Ion:240 Resp: 323346
Ion Ratio Lower Upper
240 100
120 11.9 8.6 12.8
236 25.4 20.3 30.5



#78
Pyrene
Concen: 64.94 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.012 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

Tgt Ion:202 Resp: 1623534
Ion Ratio Lower Upper
202 100
200 22.1 17.6 26.4
203 18.2 14.6 21.8

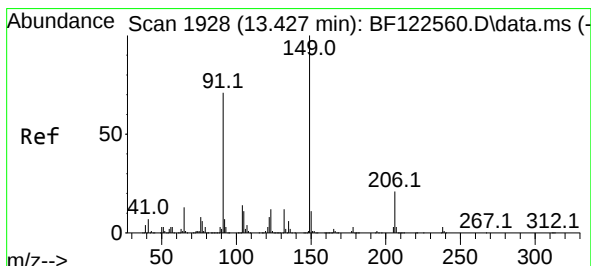
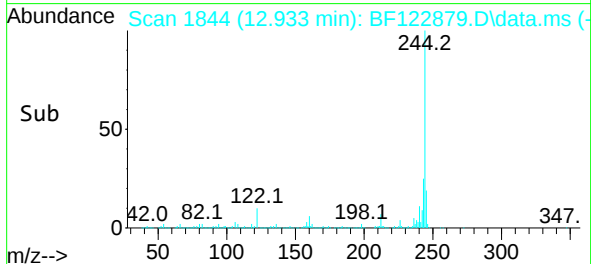
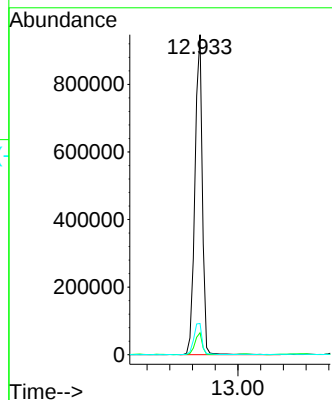
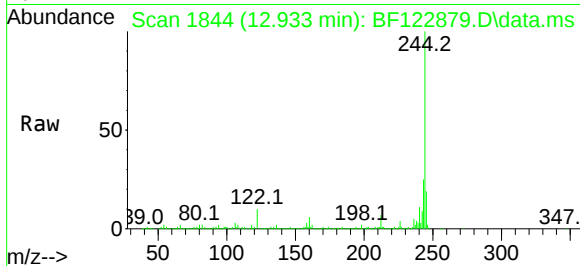




#79
Terphenyl-d14
Concen: 46.47 ng
RT: 12.933 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

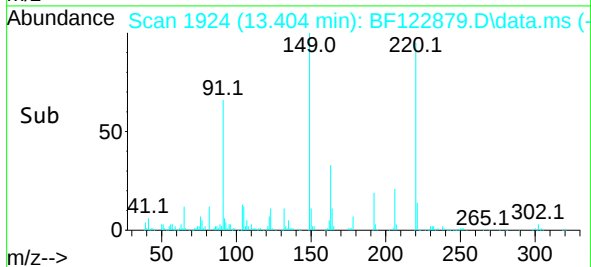
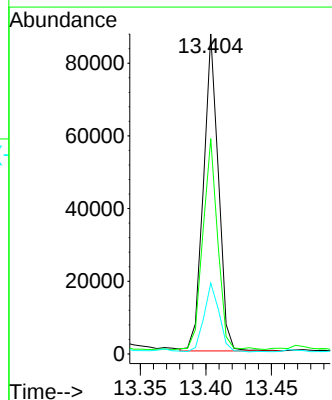
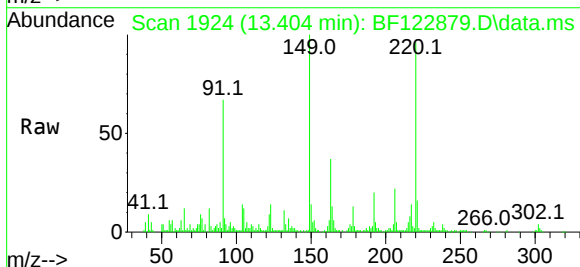
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

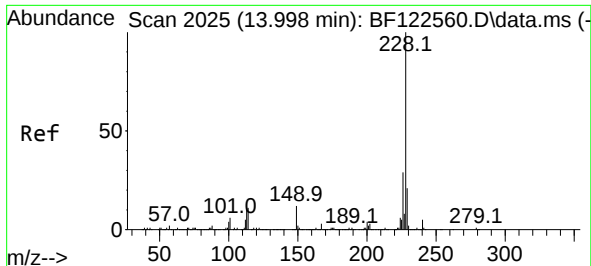
Tgt Ion:244 Resp: 858466
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 9.8 8.3 12.5



#80
Butylbenzylphthalate
Concen: 6.17 ng
RT: 13.404 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

Tgt Ion:149 Resp: 69479
Ion Ratio Lower Upper
149 100
91 67.3 56.5 84.7
206 22.1 17.0 25.6

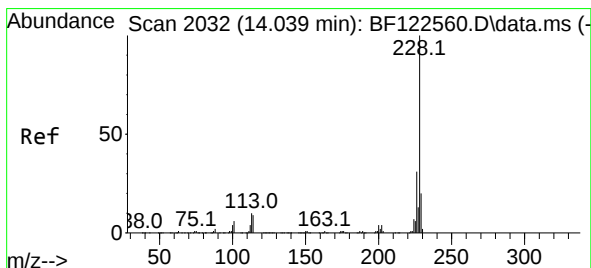
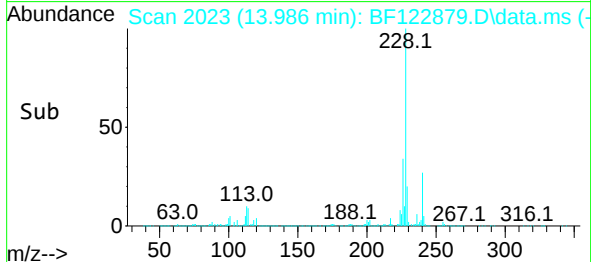
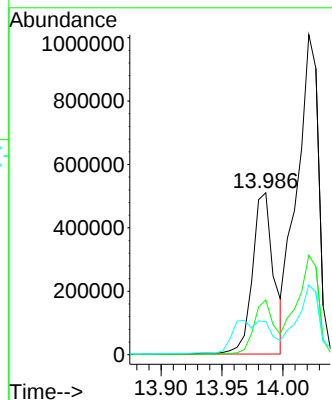
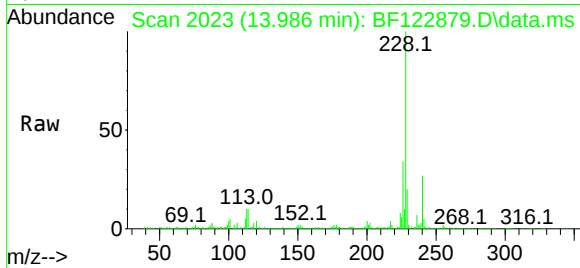




#81
Benzo(a)anthracene
Concen: 28.58 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.012 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

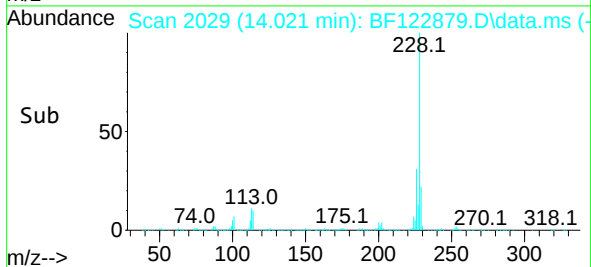
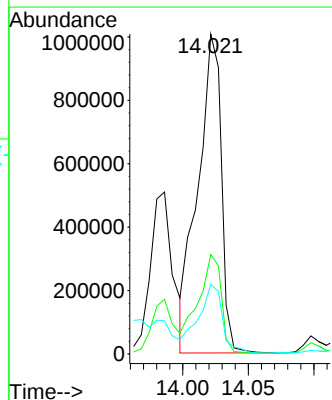
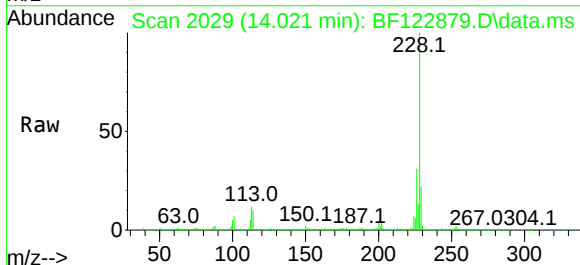
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

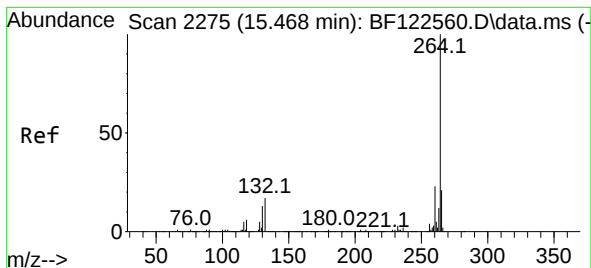
Tgt Ion:228 Resp: 617575
Ion Ratio Lower Upper
228 100
226 33.8 23.0 34.4
229 20.4 16.6 24.8



#83
Chrysene
Concen: 58.34 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

Tgt Ion:228 Resp: 1254648
Ion Ratio Lower Upper
228 100
226 31.1 24.6 36.8
229 21.8 15.8 23.6

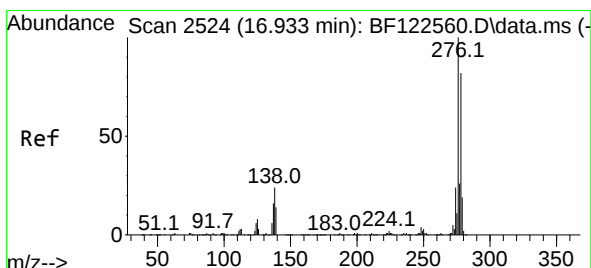
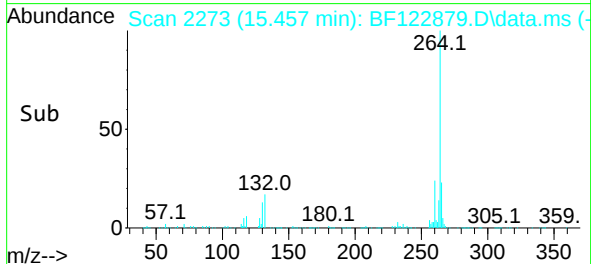
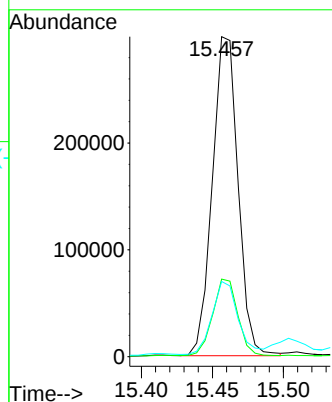
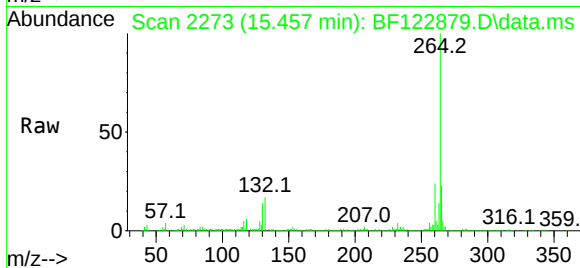




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.017 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

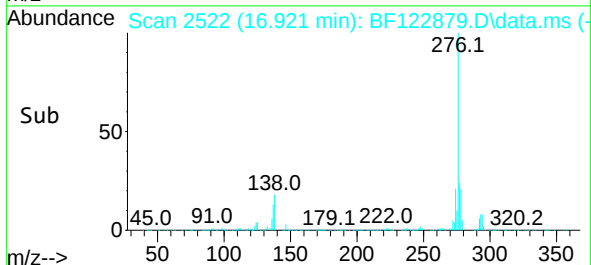
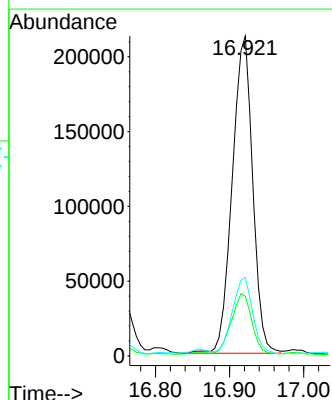
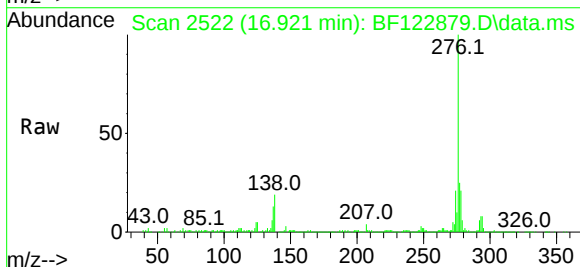
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

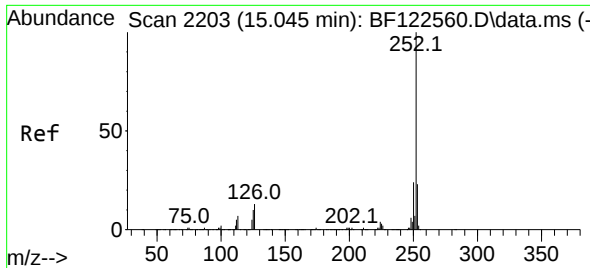
Tgt Ion:	264	Resp:	376232
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.6	28.0
265	23.5	17.0	25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 16.43 ng
RT: 16.921 min Scan# 2522
Delta R.T. 0.029 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

Tgt Ion:	276	Resp:	405818
Ion Ratio	Lower	Upper	
276	100		
138	19.1	18.7	28.1
277	24.2	20.2	30.4

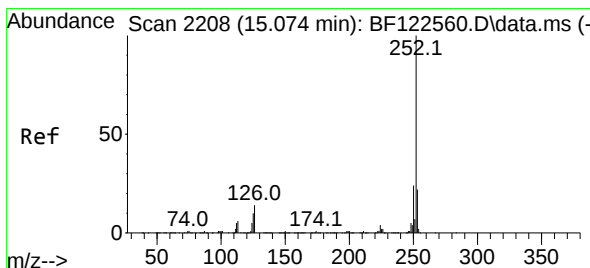
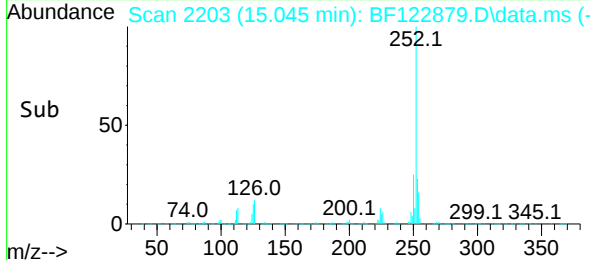
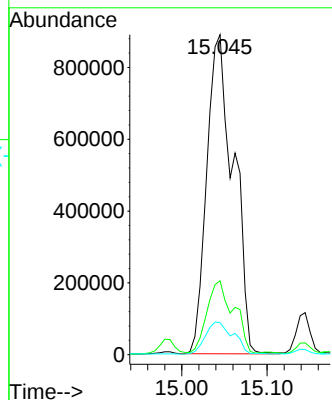
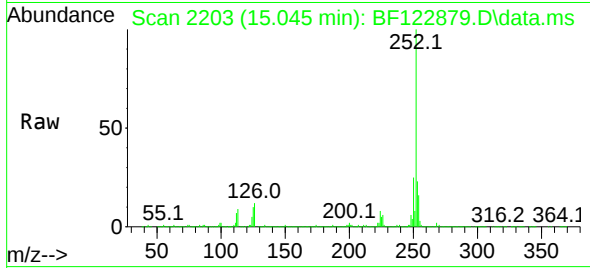




#88
Benzo(b)fluoranthene
Concen: 73.66 ng
RT: 15.045 min Scan# 2203
Delta R.T. 0.023 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

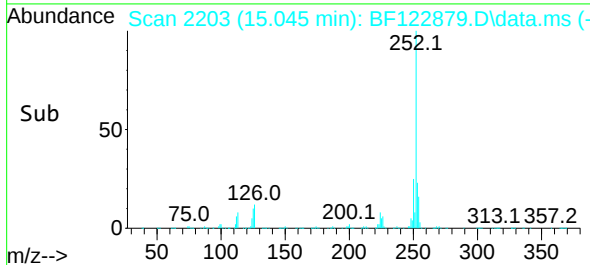
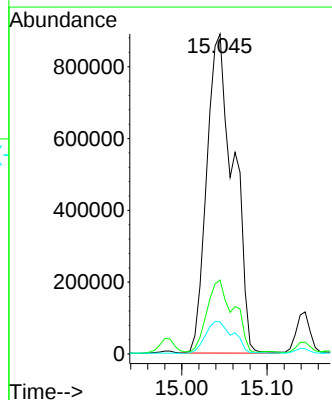
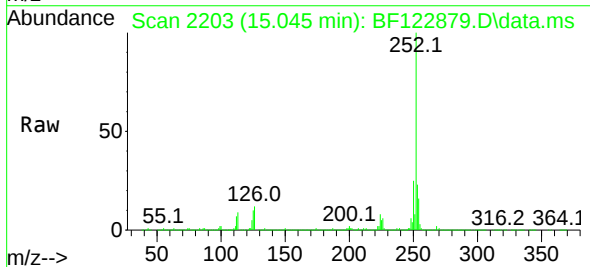
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

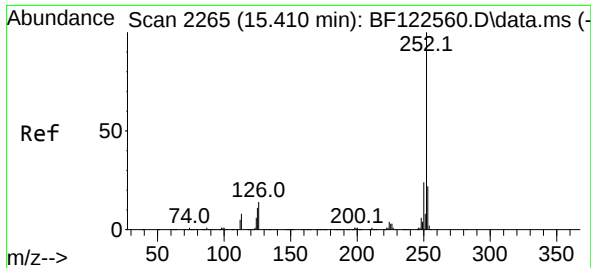
Tgt Ion:252 Resp: 1944349
Ion Ratio Lower Upper
252 100
253 23.1 18.3 27.5
125 10.0 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 80.56 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

Tgt Ion:252 Resp: 1944349
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 10.0 8.4 12.6

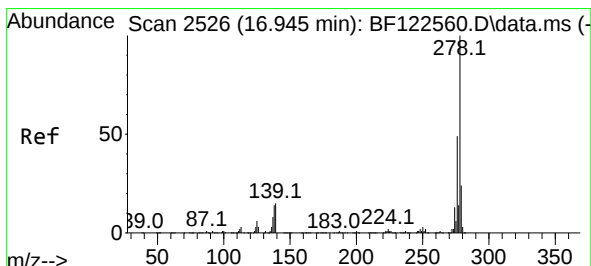
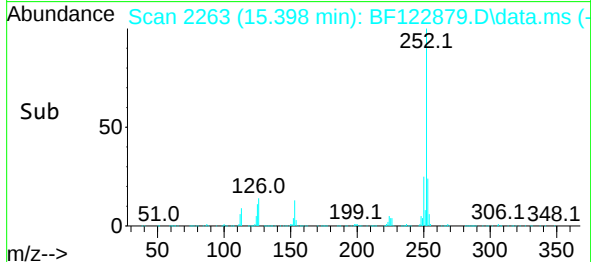
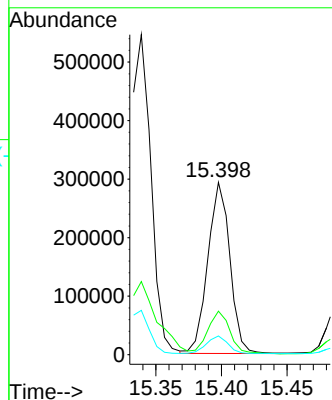
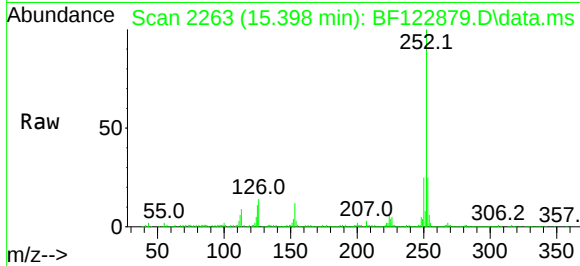




#90
Benzo(a)pyrene
Concen: 14.86 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.017 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

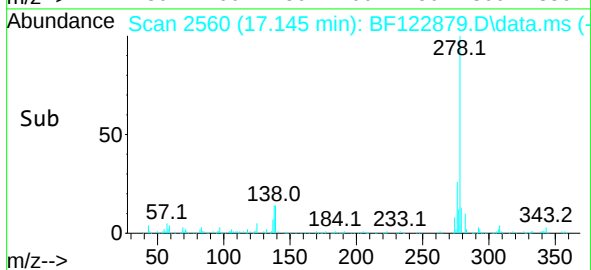
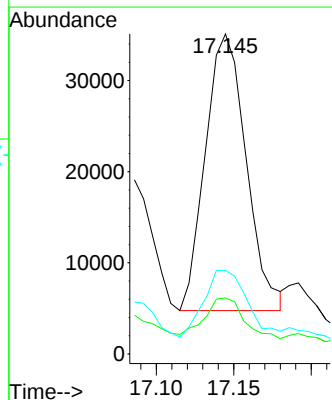
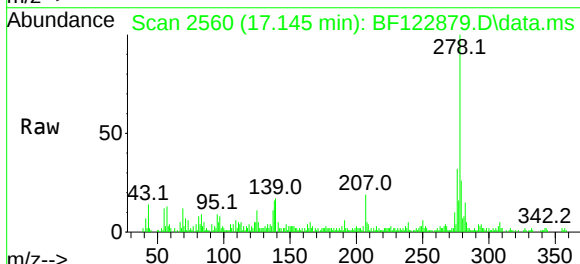
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

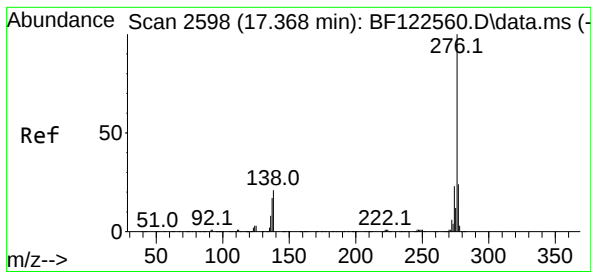
Tgt Ion:252 Resp: 343150
Ion Ratio Lower Upper
252 100
253 25.3 17.5 26.3
125 10.9 8.6 12.8



#91
Dibenzo(a,h)anthracene
Concen: 2.75 ng
RT: 17.145 min Scan# 2560
Delta R.T. 0.241 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

Tgt Ion:278 Resp: 55513
Ion Ratio Lower Upper
278 100
139 17.5 12.0 18.0
279 26.1 19.4 29.2





#92
Benzo(g,h,i)perylene
Concen: 17.79 ng
RT: 17.362 min Scan# 2597
Delta R.T. 0.035 min
Lab File: BF122879.D
Acq: 30 Dec 2020 15:25

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

Tgt Ion:276 Resp: 348070
Ion Ratio Lower Upper
276 100
277 23.6 19.3 28.9
138 19.4 16.6 24.8

