

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
 Data File : BF124878.D
 Acq On : 30 Jul 2021 16:12
 Operator : JU/CG
 Sample : M3210-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(1.0-1.5)

Quant Time: Jul 30 17:24:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 22 15:28:57 2021
 Response via : Initial Calibration

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

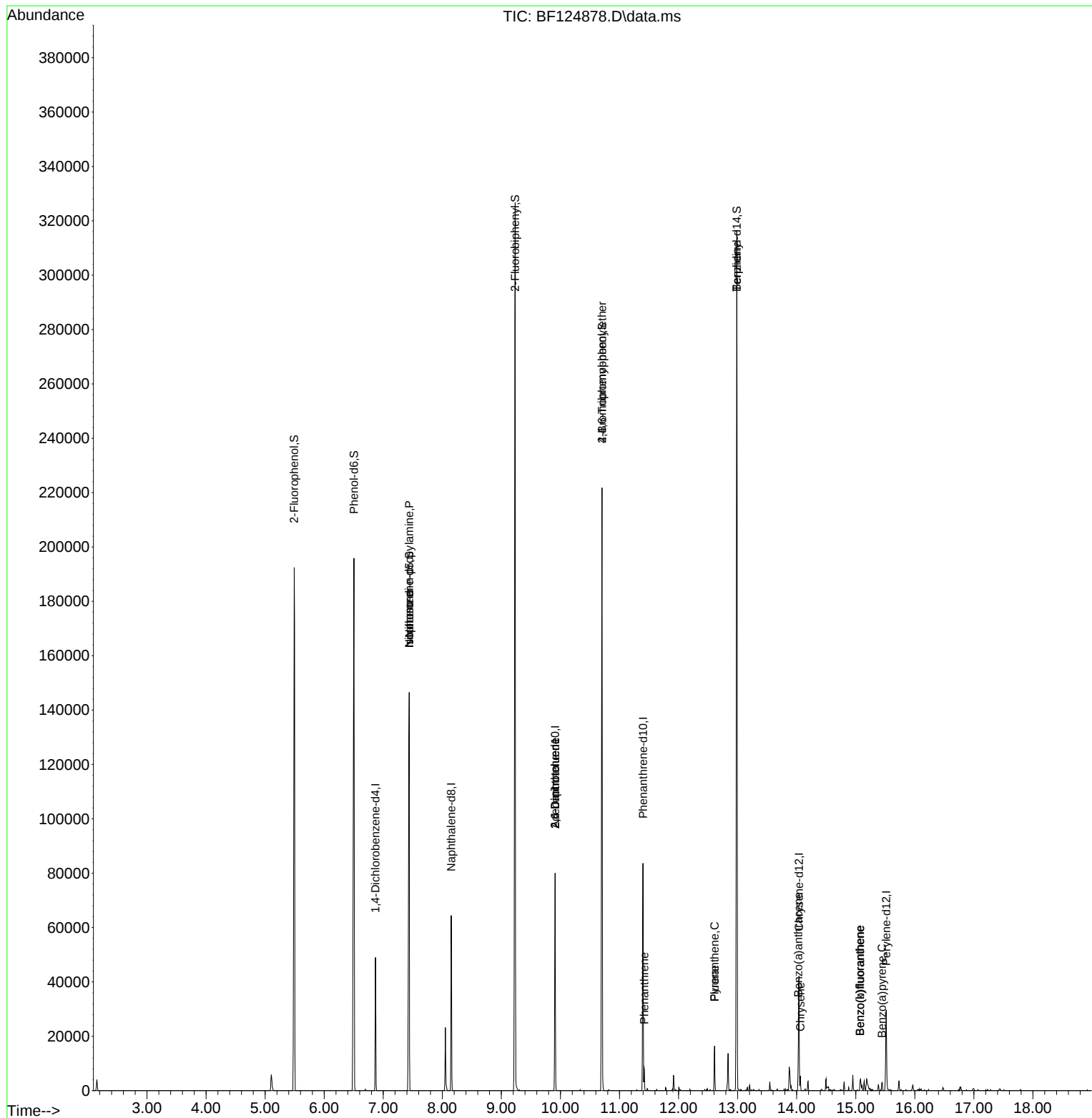
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	6701	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	25972	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	16014	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	29195	20.000	ng	0.00
76) Chrysene-d12	14.039	240	16644	20.000	ng	# 0.00
86) Perylene-d12	15.515	264	14012	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	56272	142.184	ng	0.01
7) Phenol-d6	6.504	99	71174	143.451	ng	0.00
23) Nitrobenzene-d5	7.439	82	50314	115.300	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	22612	164.456	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	105463	96.727	ng	0.00
79) Terphenyl-d14	12.986	244	114810	118.242	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	6790	25.628	ng	# 65
25) Isophorone	7.439	82	50312	65.204	ng	# 59
51) 2,6-Dinitrotoluene	9.910	165	1914	7.857	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	1914	5.790	ng	# 18
67) 4-Bromophenyl-phenylether	10.704	248	1630	5.264	ng	# 1
71) Phenanthrene	11.422	178	3755	2.391	ng	# 93
75) Fluoranthene	12.610	202	7693	4.801	ng	95
77) Benzidine	12.986	184	1870	3.984	ng	# 86
78) Pyrene	12.610	202	7693	5.838	ng	97
81) Benzo(a)anthracene	14.027	228	3072	2.824	ng	98
83) Chrysene	14.063	228	2563	2.445	ng	94
88) Benzo(b)fluoranthene	15.074	252	4906	4.973	ng	98
89) Benzo(k)fluoranthene	15.074	252	4906	5.443	ng	# 93
90) Benzo(a)pyrene	15.445	252	2352	2.854	ng	# 81

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

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Response via : Initial Calibration

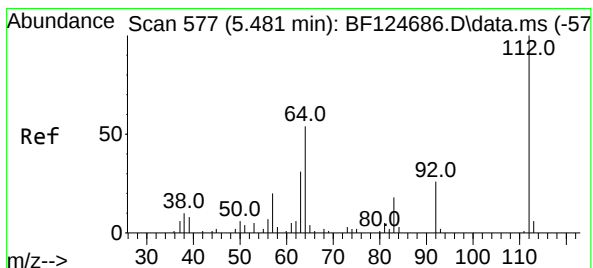
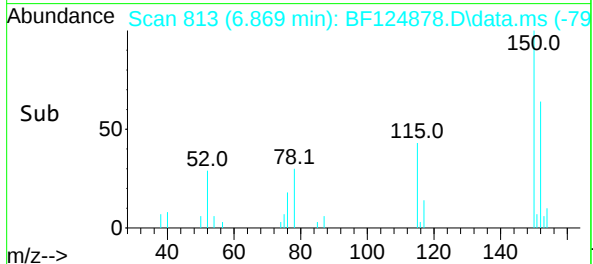
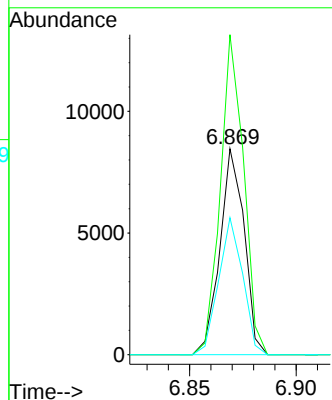
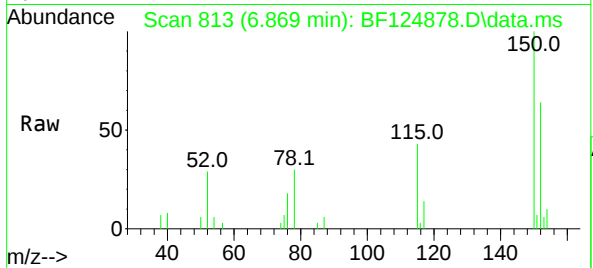




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

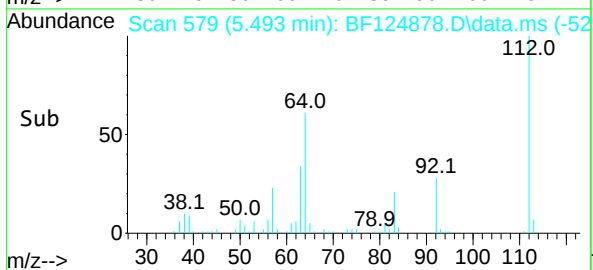
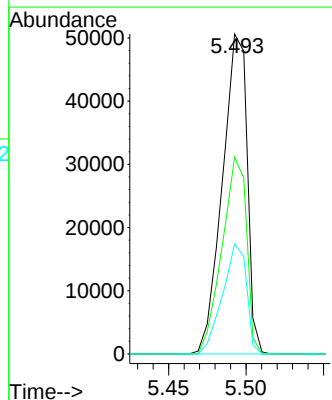
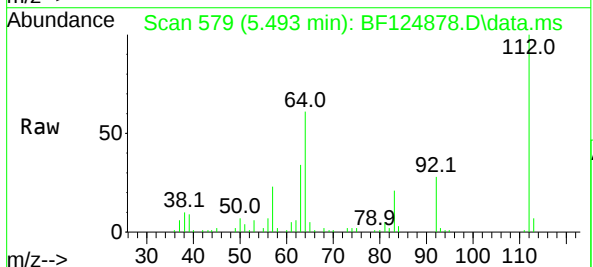
Instrument :
BNA_F
ClientSampleId :
SB-2(1.0-1.5)

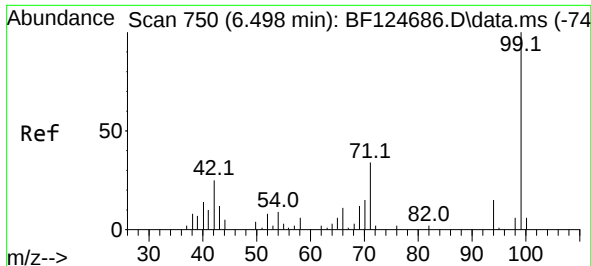
Tgt Ion:152 Resp: 6701
Ion Ratio Lower Upper
152 100
150 155.4 117.6 176.4
115 66.5 47.1 70.7



#5
2-Fluorophenol
Concen: 142.184 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

Tgt Ion:112 Resp: 56272
Ion Ratio Lower Upper
112 100
64 61.5 44.2 66.2
63 34.4 26.2 39.2

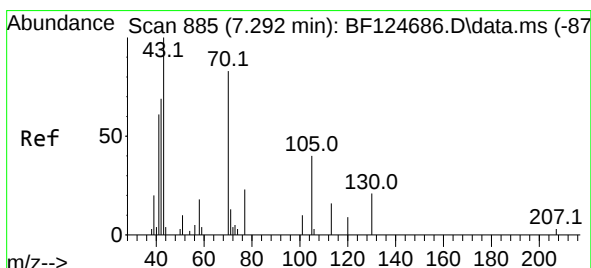
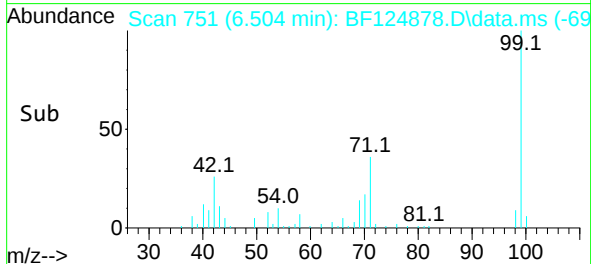
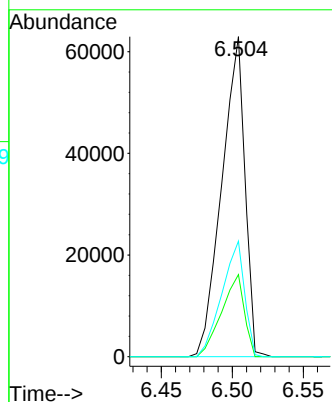
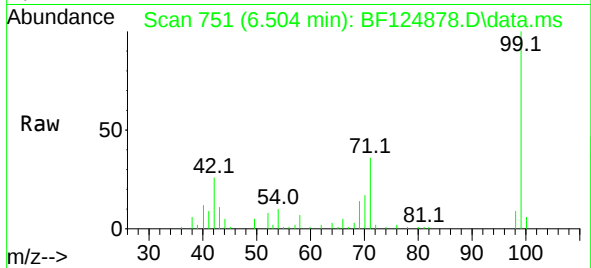




#7
Phenol-d6
Concen: 143.451 ng
RT: 6.504 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

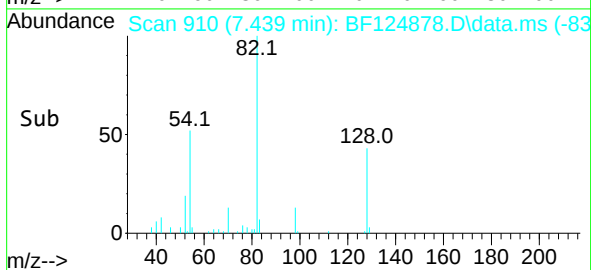
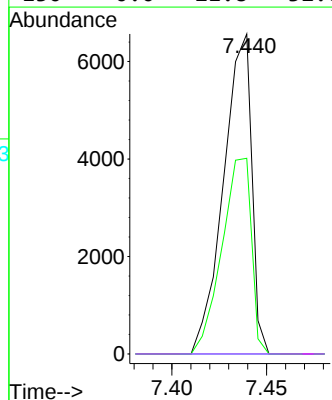
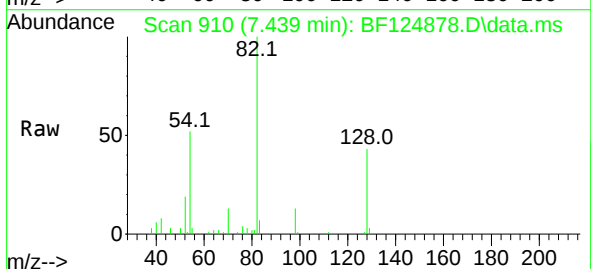
Instrument :
BNA_F
ClientSampleId :
SB-2(1.0-1.5)

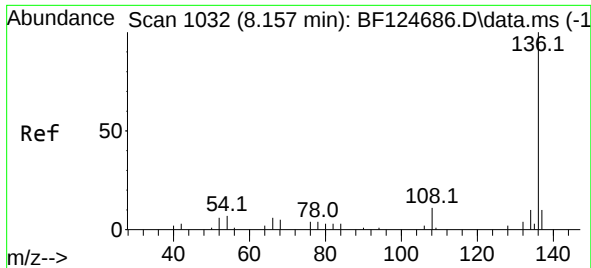
Tgt Ion:	99	Resp:	71174
Ion	Ratio	Lower	Upper
99	100		
42	25.6	23.5	35.3
71	36.1	25.6	38.4



#19
n-Nitroso-di-n-propylamine
Concen: 25.628 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.147 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

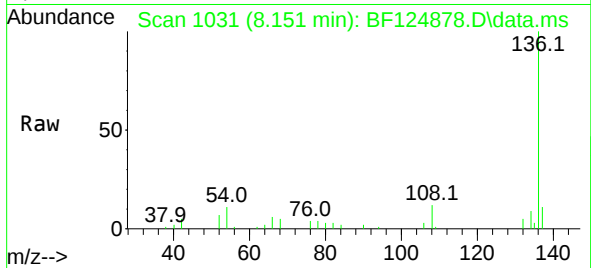
Tgt Ion:	70	Resp:	6790
Ion	Ratio	Lower	Upper
70	100		
42	61.1	72.2	108.2#
101	0.0	7.8	11.8#
130	0.0	21.8	32.6#



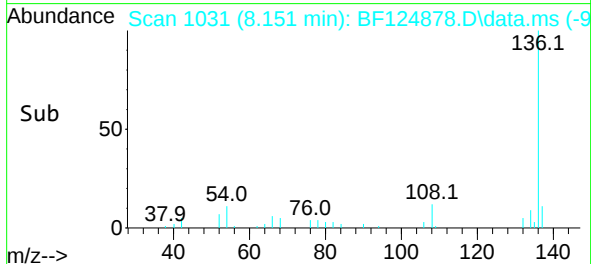
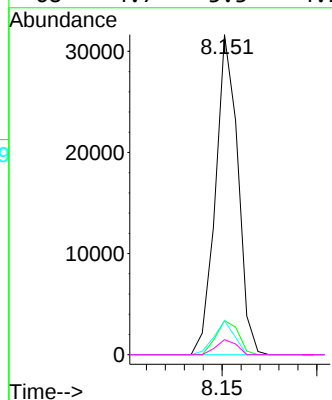


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

Instrument :
BNA_F
ClientSampleId :
SB-2(1.0-1.5)

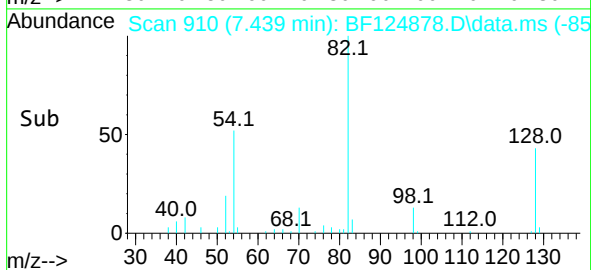
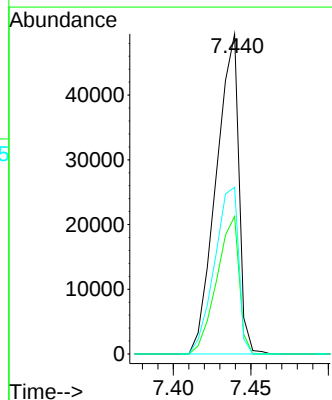
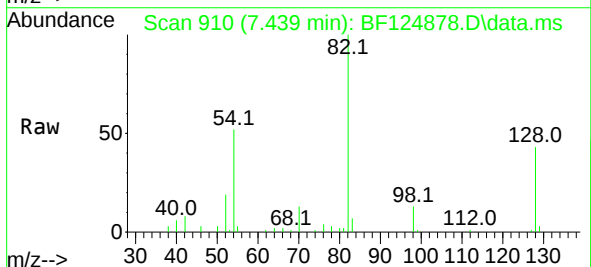


Tgt Ion:136 Resp: 25972
Ion Ratio Lower Upper
136 100
137 10.7 9.8 14.6
54 10.6 6.4 9.6#
68 4.7 3.3 4.9



#23
Nitrobenzene-d5
Concen: 115.300 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

Tgt Ion: 82 Resp: 50314
Ion Ratio Lower Upper
82 100
128 43.0 40.6 60.8
54 52.1 49.6 74.4

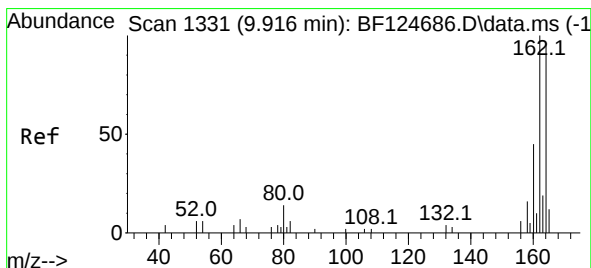
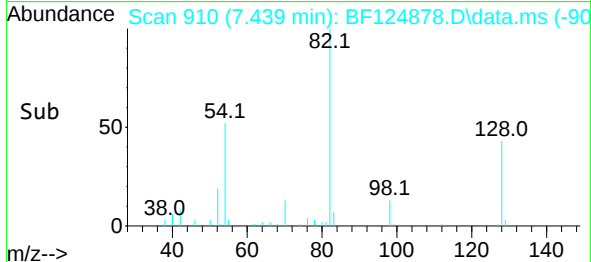
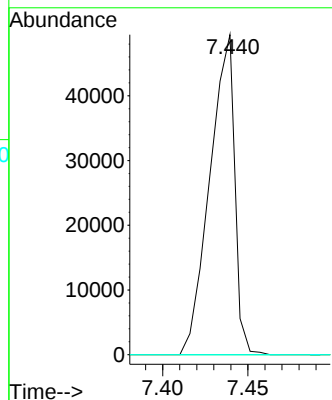
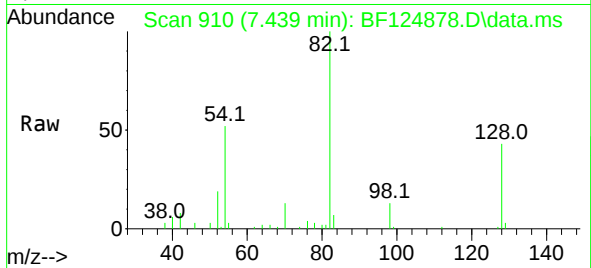




#25
Isophorone
Concen: 65.204 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.259 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

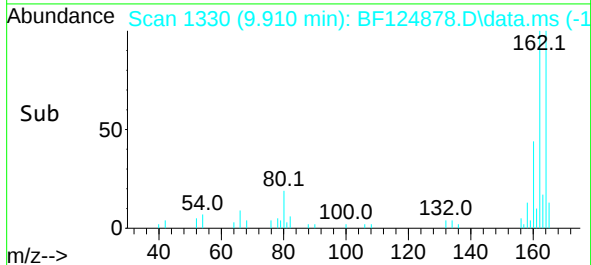
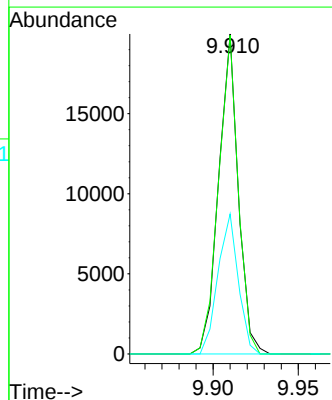
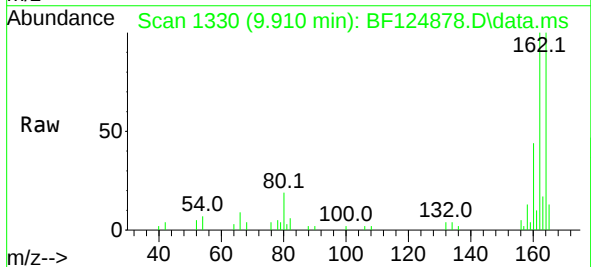
Instrument :
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ClientSampleId :
SB-2(1.0-1.5)

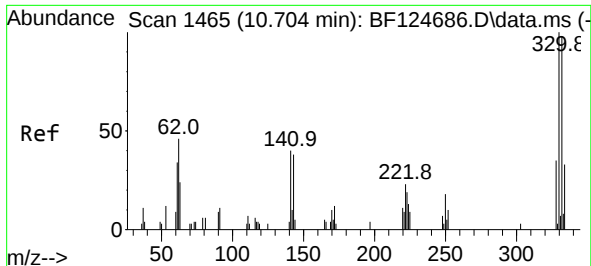
Tgt Ion: 82 Resp: 50312
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

Tgt Ion:164 Resp: 16014
Ion Ratio Lower Upper
164 100
162 99.6 81.3 121.9
160 43.8 38.0 57.0

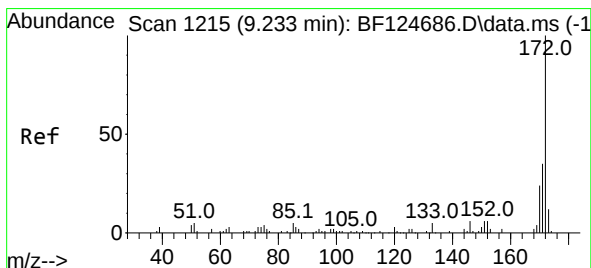
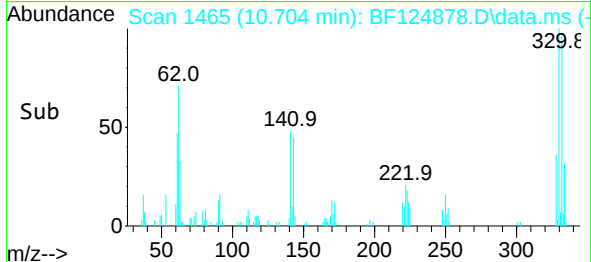
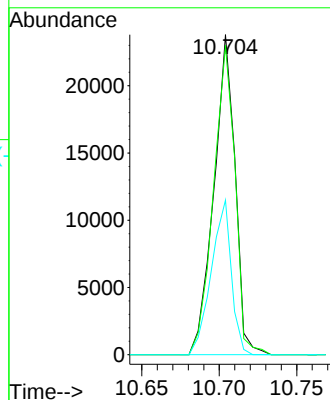
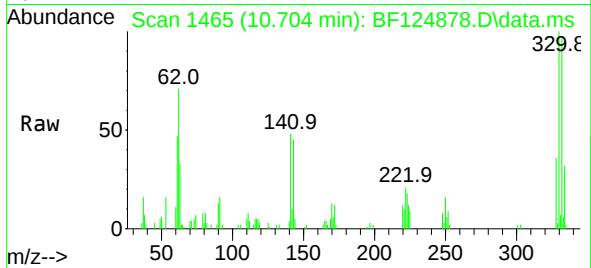




#42
2,4,6-Tribromophenol
Concen: 164.456 ng
RT: 10.704 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

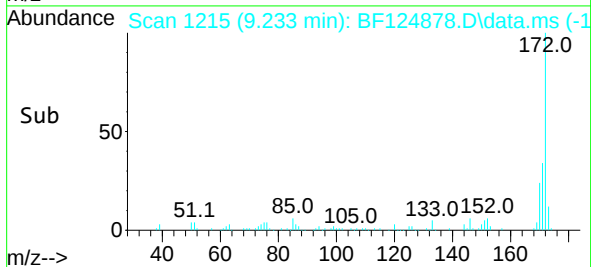
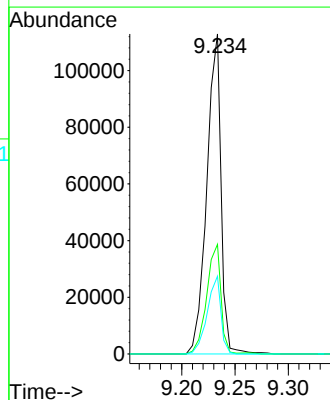
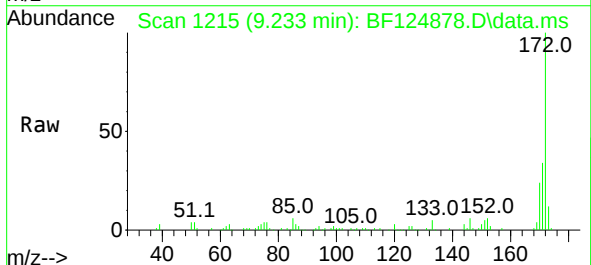
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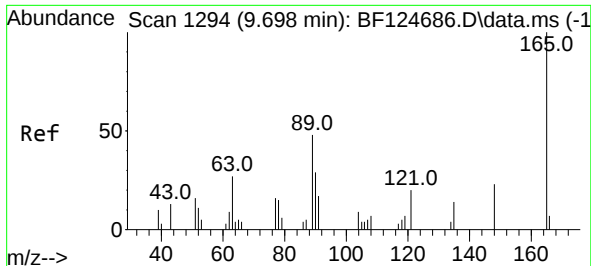
Tgt Ion: 330 Resp: 22612
Ion Ratio Lower Upper
330 100
332 98.2 76.2 114.4
141 45.9 44.6 66.8



#45
2-Fluorobiphenyl
Concen: 96.727 ng
RT: 9.233 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

Tgt Ion: 172 Resp: 105463
Ion Ratio Lower Upper
172 100
171 34.3 26.5 39.7
170 24.3 18.8 28.2

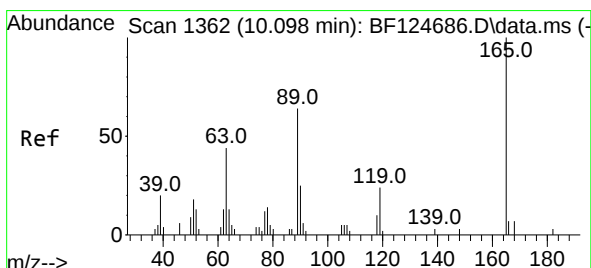
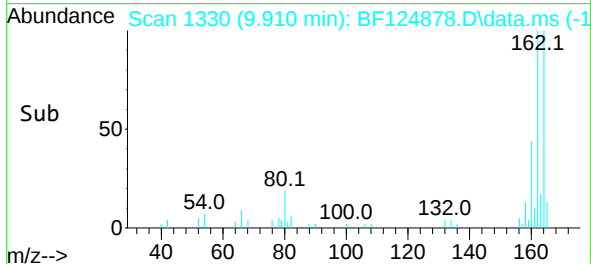
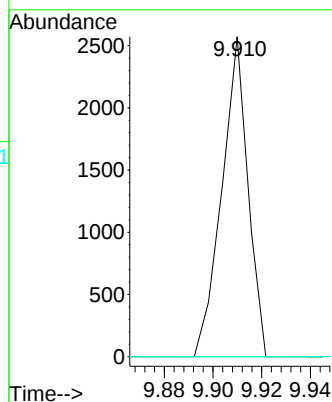
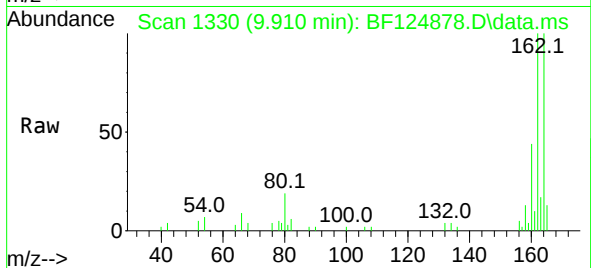




#51
2,6-Dinitrotoluene
Concen: 7.857 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.212 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

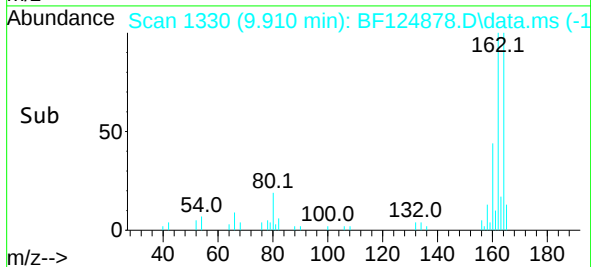
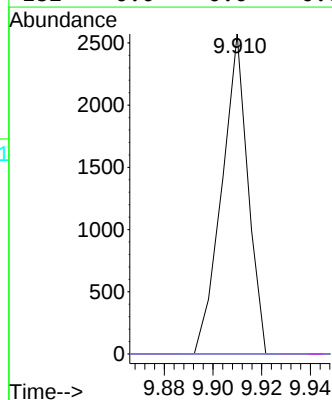
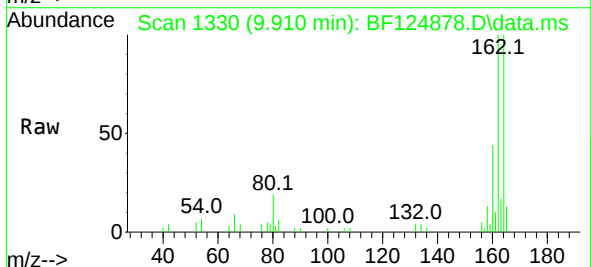
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SB-2(1.0-1.5)

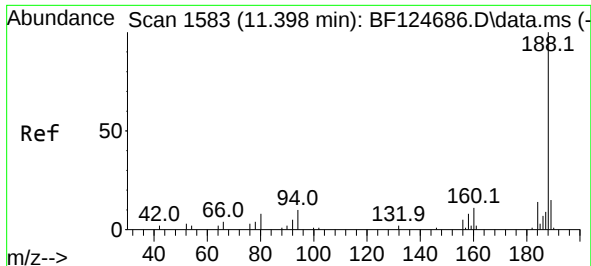
Tgt Ion:165 Resp: 1914
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 5.790 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

Tgt Ion:165 Resp: 1914
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0

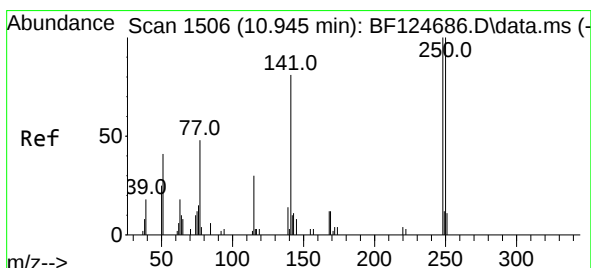
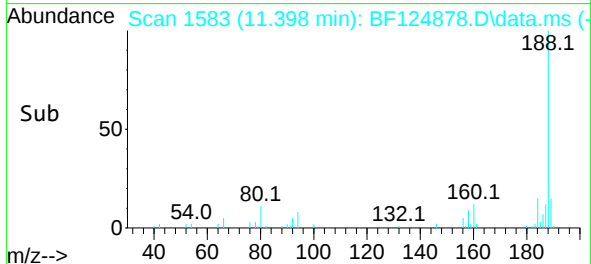
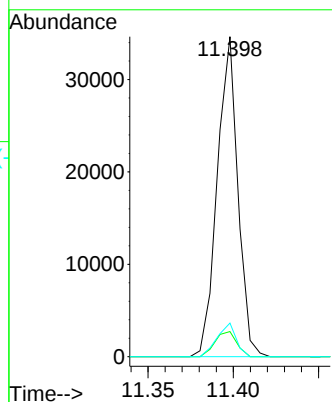
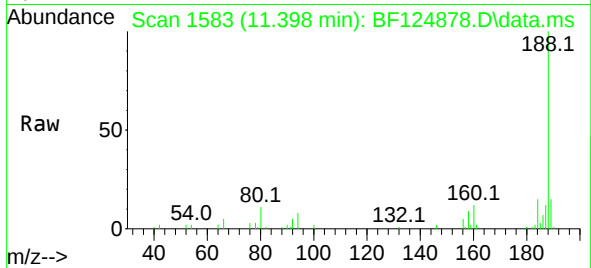




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

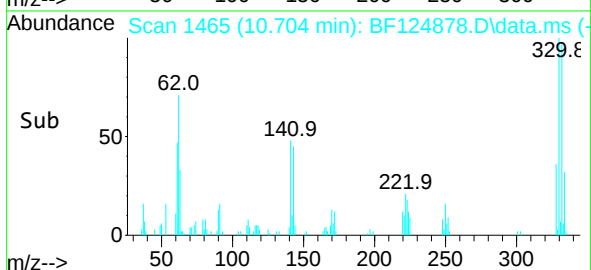
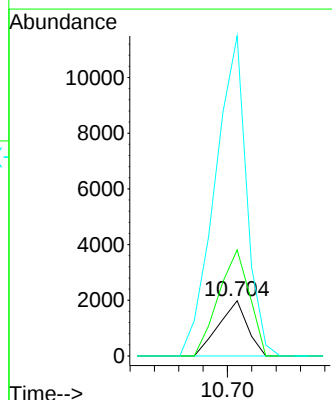
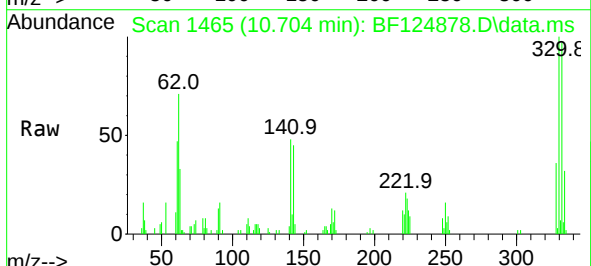
Instrument :
BNA_F
ClientSampleId :
SB-2(1.0-1.5)

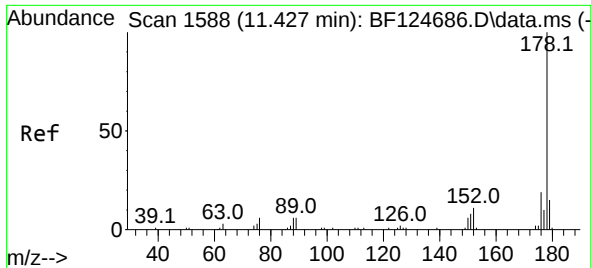
Tgt Ion:188 Resp: 29195
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 10.5 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 5.264 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.241 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

Tgt Ion:248 Resp: 1630
Ion Ratio Lower Upper
248 100
250 192.3 74.2 111.4#
141 580.4 60.4 90.6#

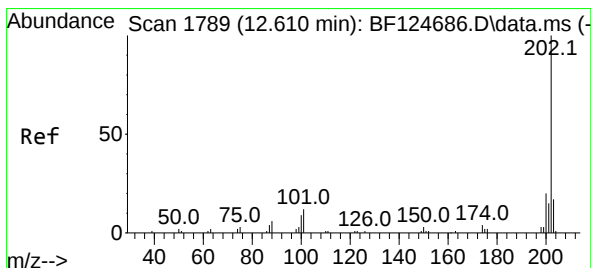
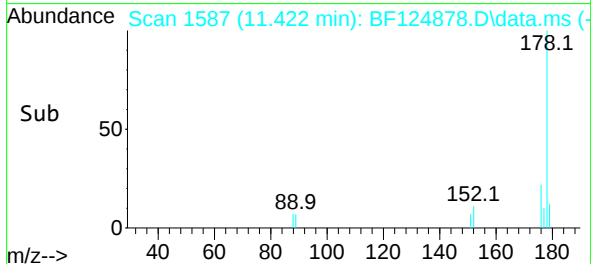
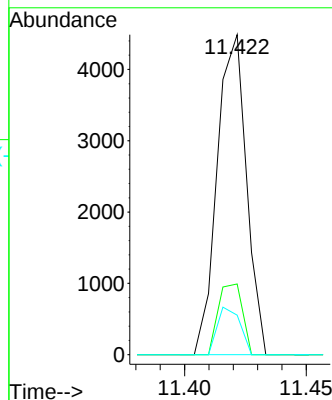
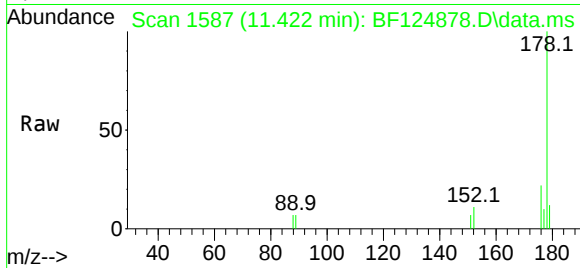




#71
Phenanthrene
Concen: 2.391 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

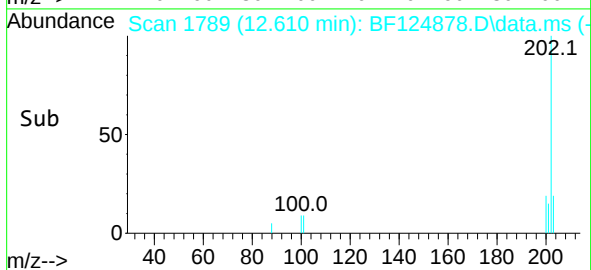
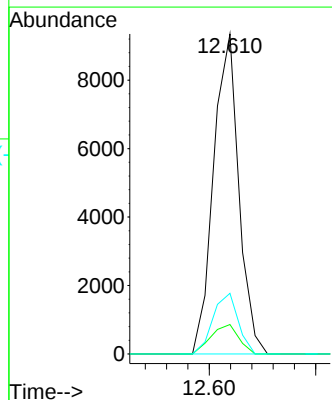
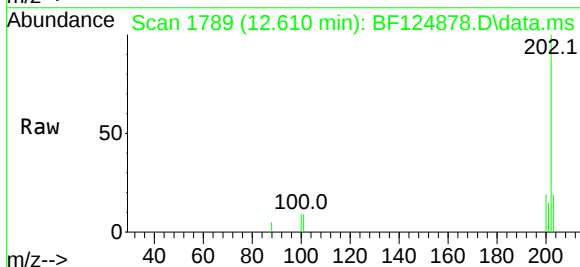
Instrument :
BNA_F
ClientSampleId :
SB-2(1.0-1.5)

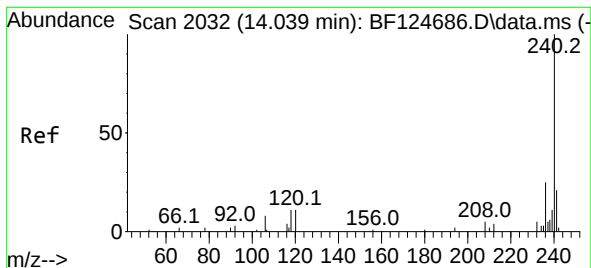
Tgt Ion:178 Resp: 3755
Ion Ratio Lower Upper
178 100
176 22.1 14.7 22.1#
179 12.4 11.5 17.3



#75
Fluoranthene
Concen: 4.801 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

Tgt Ion:202 Resp: 7693
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.7
203 19.0 0.0 36.3

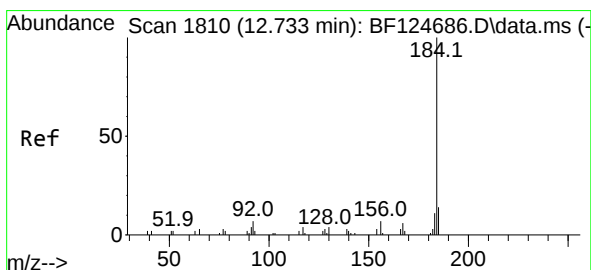
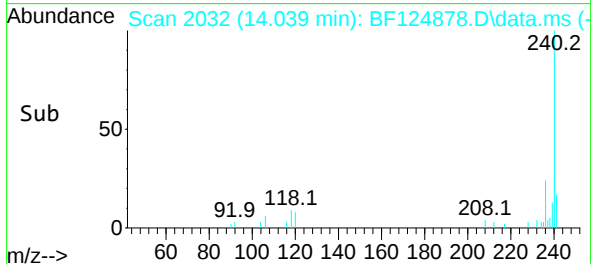
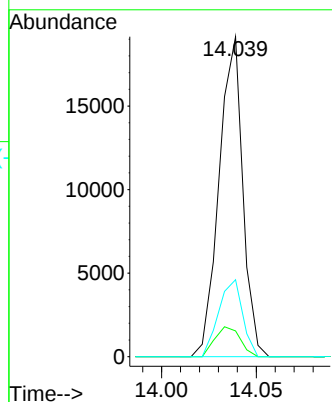
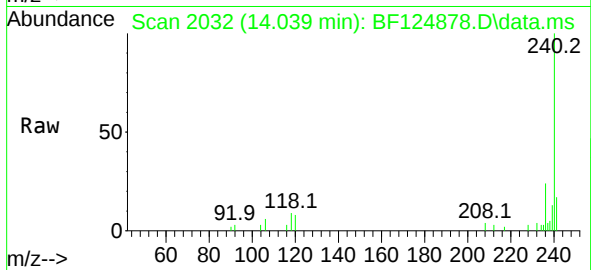




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

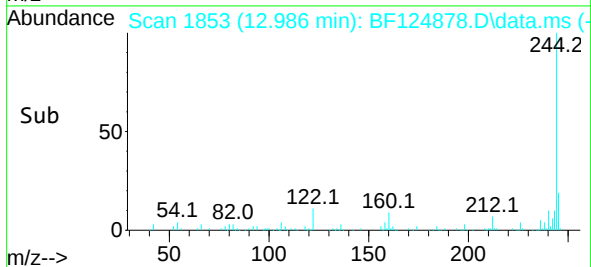
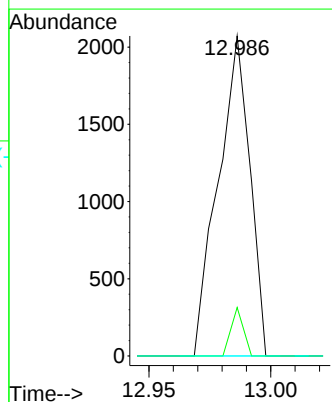
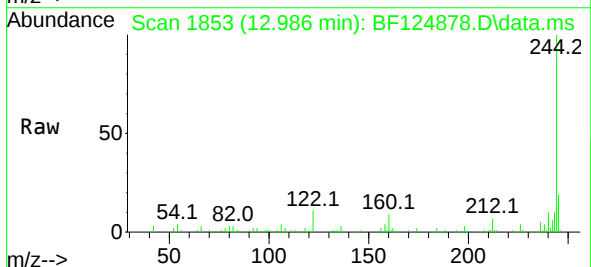
Instrument :
BNA_F
ClientSampleId :
SB-2(1.0-1.5)

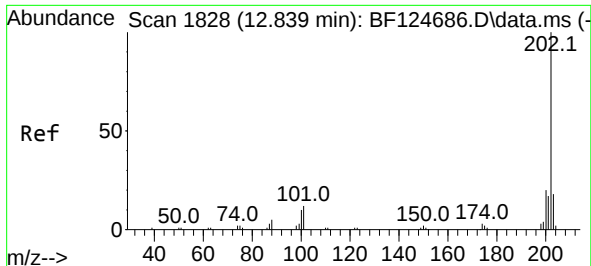
Tgt Ion:240 Resp: 16644
Ion Ratio Lower Upper
240 100
120 8.1 10.8 16.2#
236 24.0 21.6 32.4



#77
Benzidine
Concen: 3.984 ng
RT: 12.986 min Scan# 1853
Delta R.T. 0.253 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

Tgt Ion:184 Resp: 1870
Ion Ratio Lower Upper
184 100
185 15.2 10.8 16.2
183 0.0 8.1 12.1#

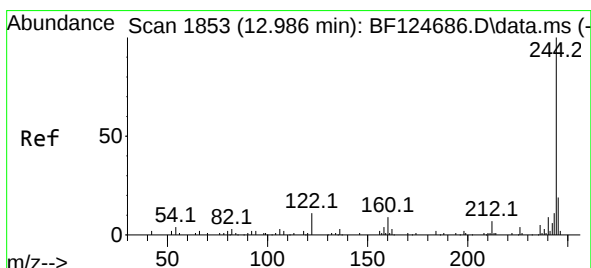
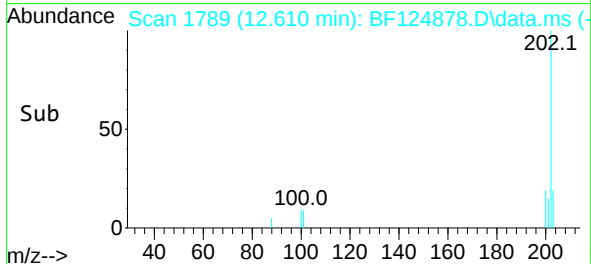
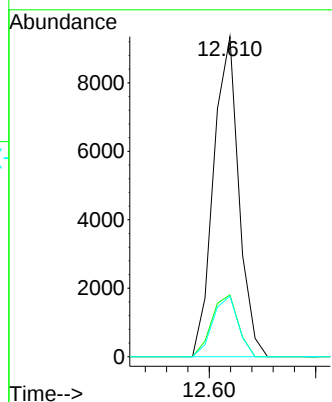
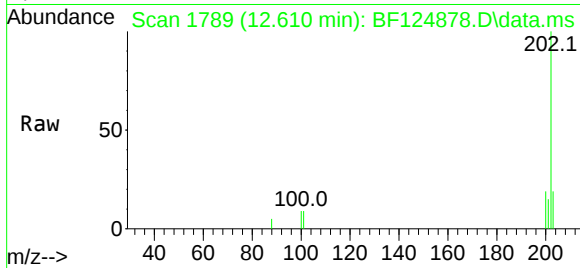




#78
Pyrene
Concen: 5.838 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.229 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

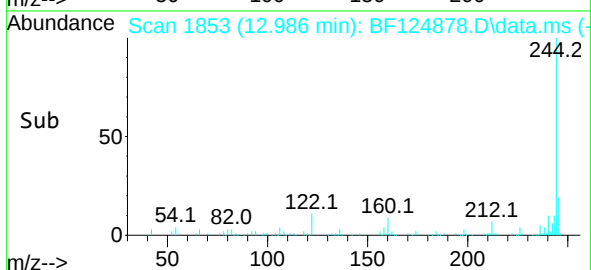
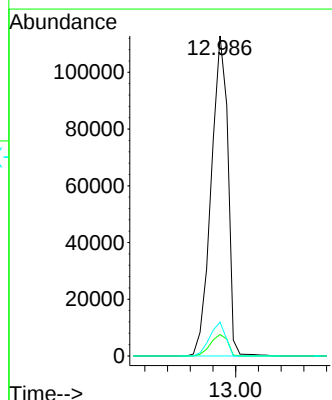
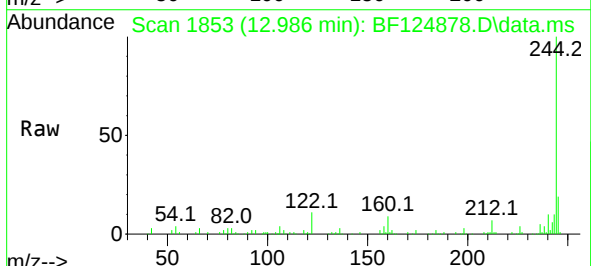
Instrument :
BNA_F
ClientSampleId :
SB-2(1.0-1.5)

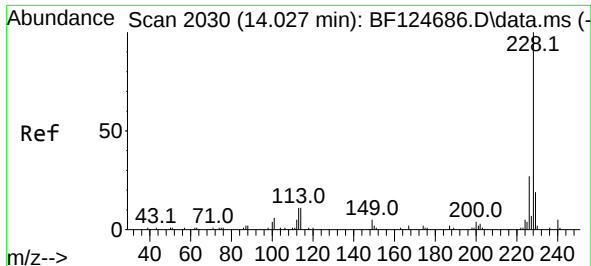
Tgt Ion:	202	Resp:	7693
Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.3	22.9
203	19.0	13.4	20.0



#79
Terphenyl-d14
Concen: 118.242 ng
RT: 12.986 min Scan# 1853
Delta R.T. 0.000 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

Tgt Ion:	244	Resp:	114810
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.9	8.9
122	10.5	9.0	13.4

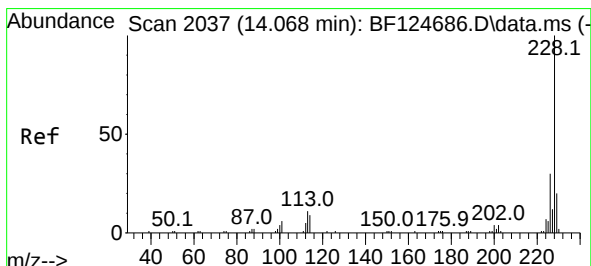
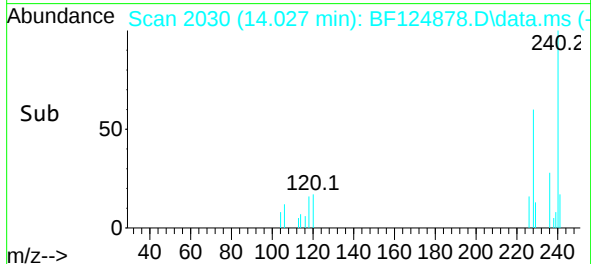
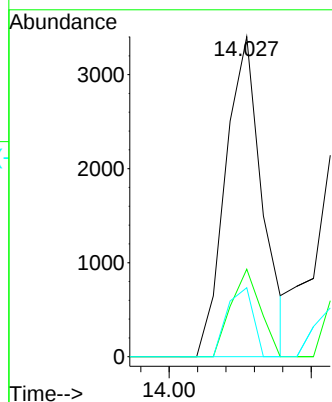
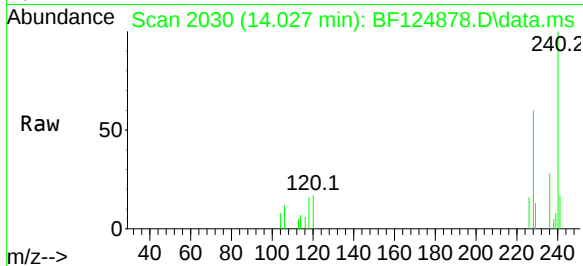




#81
Benzo(a)anthracene
Concen: 2.824 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

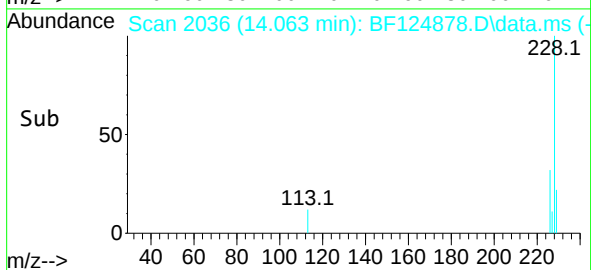
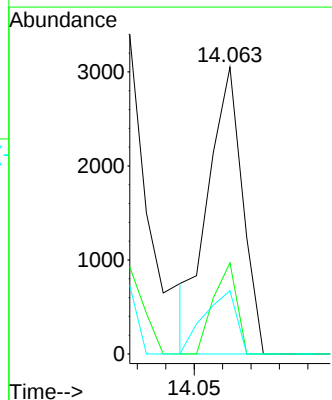
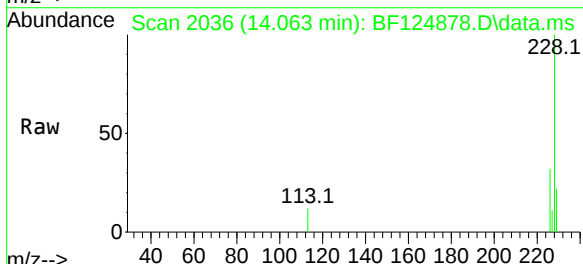
Instrument :
BNA_F
ClientSampleId :
SB-2(1.0-1.5)

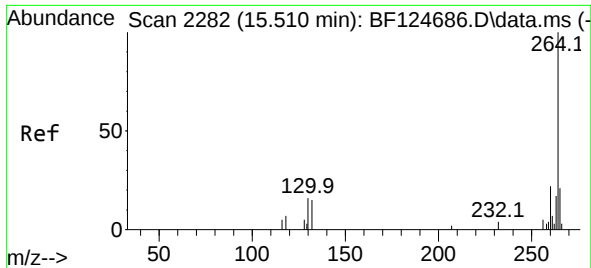
Tgt Ion:228 Resp: 3072
Ion Ratio Lower Upper
228 100
226 27.4 21.6 32.4
229 21.6 15.6 23.4



#83
Chrysene
Concen: 2.445 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF124878.D
Acq: 30 Jul 2021 16:12

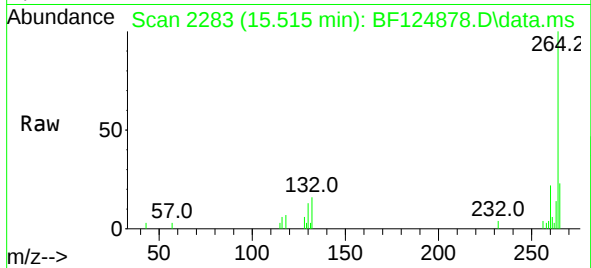
Tgt Ion:228 Resp: 2563
Ion Ratio Lower Upper
228 100
226 31.8 22.6 34.0
229 22.1 15.9 23.9



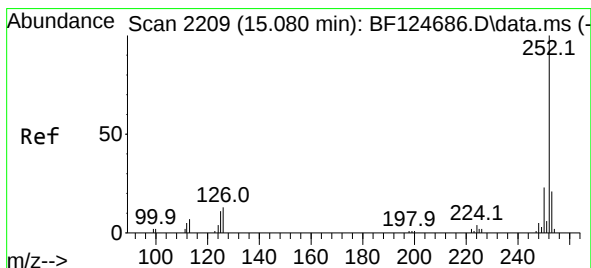
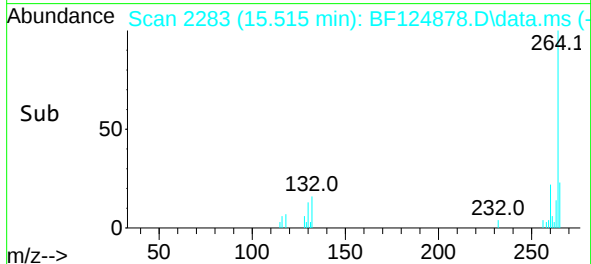
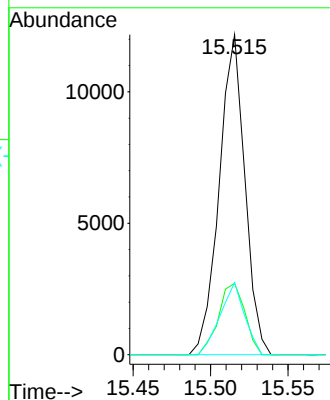


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 2283
 Delta R.T. 0.006 min
 Lab File: BF124878.D
 Acq: 30 Jul 2021 16:12

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(1.0-1.5)

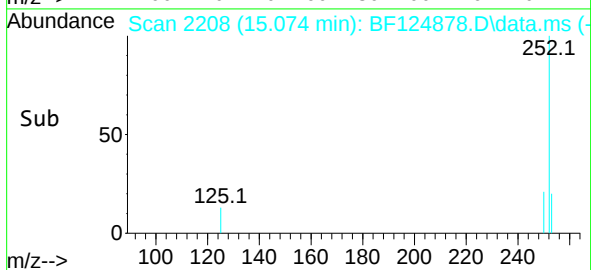
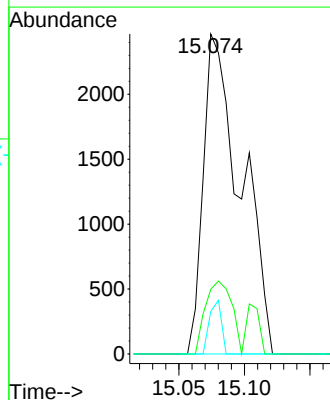
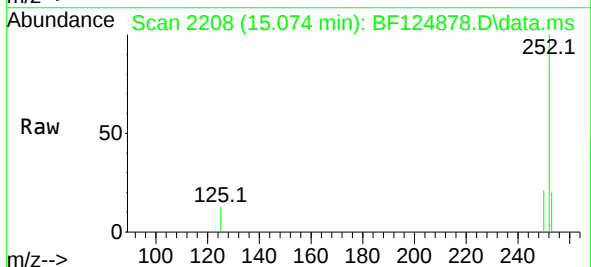


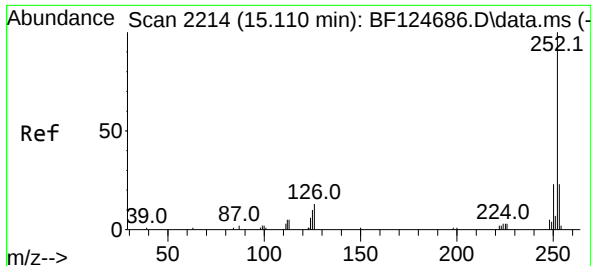
Tgt Ion:264 Resp: 14012
 Ion Ratio Lower Upper
 264 100
 260 22.3 19.6 29.4
 265 22.5 17.2 25.8



#88
 Benzo(b)fluoranthene
 Concen: 4.973 ng
 RT: 15.074 min Scan# 2208
 Delta R.T. -0.006 min
 Lab File: BF124878.D
 Acq: 30 Jul 2021 16:12

Tgt Ion:252 Resp: 4906
 Ion Ratio Lower Upper
 252 100
 253 20.2 16.8 25.2
 125 13.3 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 5.443 ng

RT: 15.074 min Scan# 2208

Delta R.T. -0.035 min

Lab File: BF124878.D

Acq: 30 Jul 2021 16:12

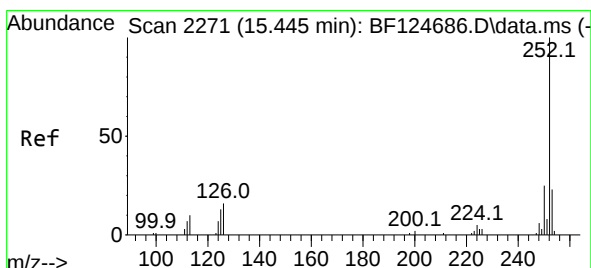
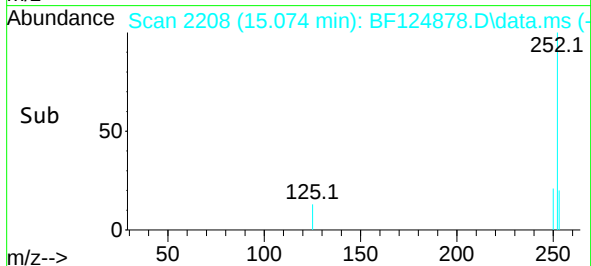
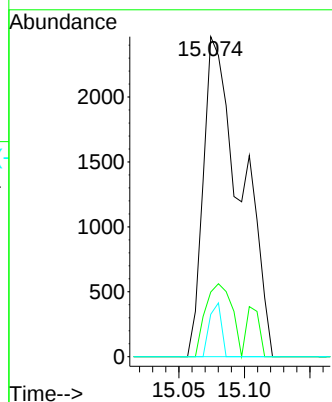
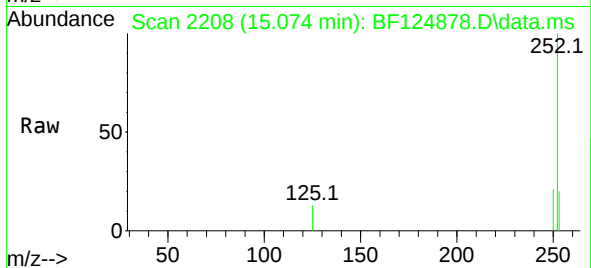
Instrument :

BNA_F

ClientSampleId :

SB-2(1.0-1.5)

Tgt Ion:252	Resp:	4906
Ion Ratio	Lower	Upper
252	100	
253	20.2	17.8 26.8
125	13.3	7.2 10.8#



#90

Benzo(a)pyrene

Concen: 2.854 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF124878.D

Acq: 30 Jul 2021 16:12

Tgt Ion:252	Resp:	2352
Ion Ratio	Lower	Upper
252	100	
253	29.3	18.4 27.6#
125	0.0	9.9 14.9#

