

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
 Data File : BF124880.D
 Acq On : 30 Jul 2021 17:19
 Operator : JU/CG
 Sample : M3229-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOLID-A-E

Quant Time: Jul 30 17:42:57 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)

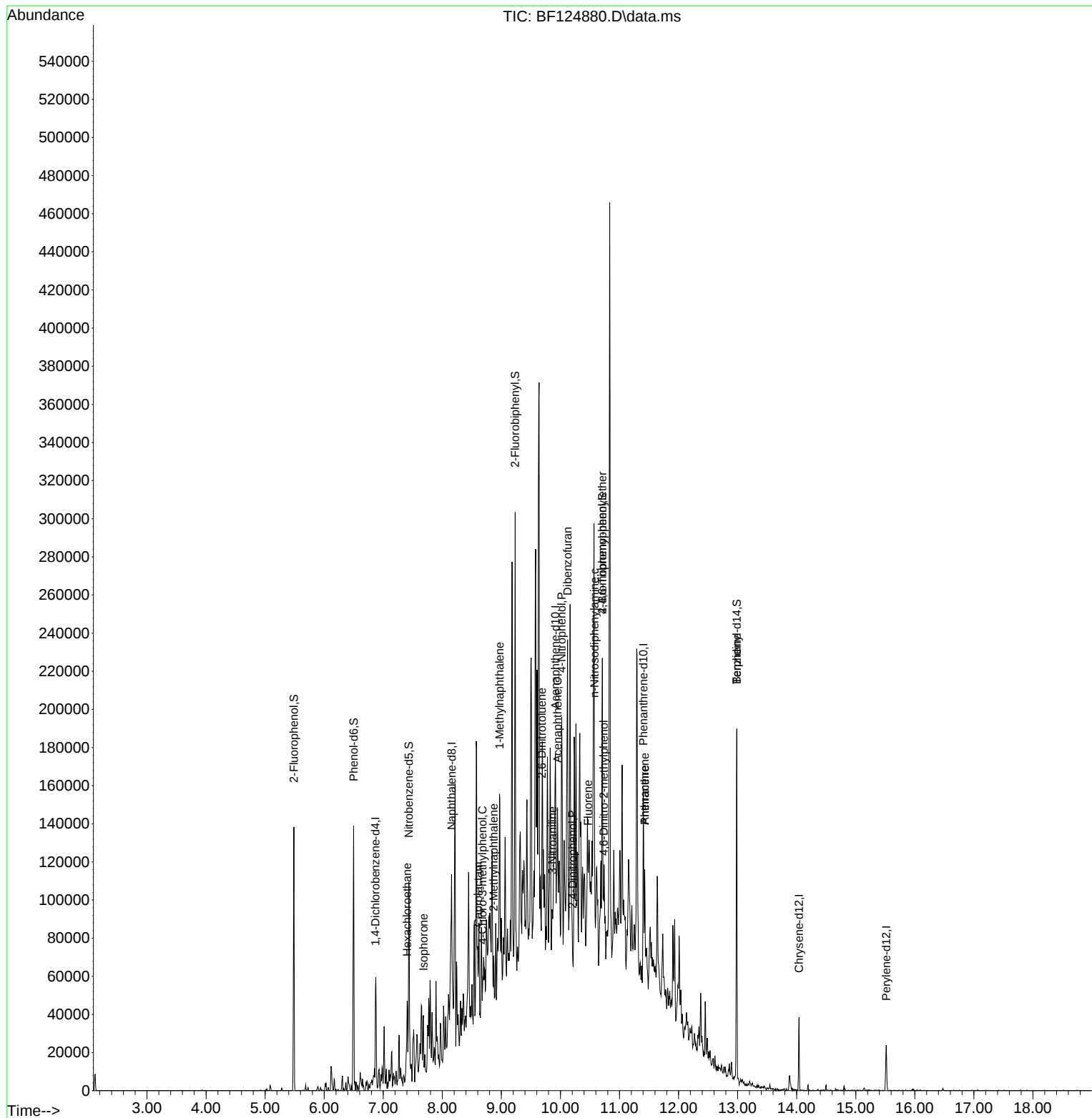
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	6269	20.000	ng	# 0.00
21) Naphthalene-d8	8.157	136	26493	20.000	ng	# 0.00
39) Acenaphthene-d10	9.916	164	16093	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	26927	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	14379	20.000	ng	# 0.00
86) Perylene-d12	15.515	264	12982	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	34130	92.180	ng	0.00
7) Phenol-d6	6.498	99	42369	91.279	ng	0.00
23) Nitrobenzene-d5	7.434	82	29497	66.266	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	12624	91.363	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	60681	55.381	ng	0.00
79) Terphenyl-d14	12.986	244	59942	71.458	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.404	117	1356	7.879	ng	# 1
25) Isophorone	7.681	82	1720	2.185	ng	# 1
35) Caprolactam	8.610	113	361	3.526	ng	# 1
36) 4-Chloro-3-methylphenol	8.681	107	1015	2.702	ng	# 17
37) 2-Methylnaphthalene	8.869	142	5745	6.219	ng	92
38) 1-Methylnaphthalene	8.969	142	24855	28.401	ng	100
51) 2,6-Dinitrotoluene	9.686	165	652	2.663	ng	# 1
52) Acenaphthene	9.951	154	3080	3.168	ng	# 58
53) 3-Nitroaniline	9.869	138	803	3.118	ng	# 1
54) 2,4-Dinitrophenol	10.204	184	548	3.871	ng	# 9
55) Dibenzofuran	10.122	168	3868	2.784	ng	# 1
56) 4-Nitrophenol	10.022	139	3788	18.625	ng	# 58
58) Fluorene	10.469	166	6263	5.877	ng	# 90
65) 4,6-Dinitro-2-methylph...	10.733	198	1082	6.205	ng	# 44
66) n-Nitrosodiphenylamine	10.575	169	10810	12.388	ng	# 48
67) 4-Bromophenyl-phenylether	10.710	248	994	3.481	ng	# 1
71) Phenanthrene	11.427	178	15755	10.879	ng	# 95
72) Anthracene	11.427	178	15755	10.882	ng	95
77) Benzdine	12.986	184	951	2.345	ng	# 69

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

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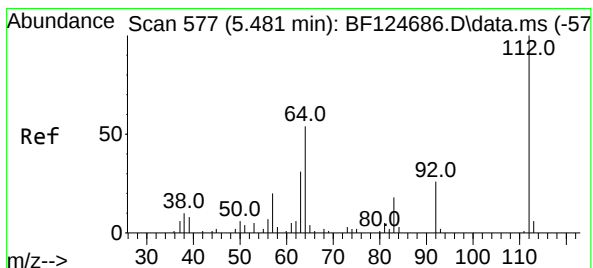
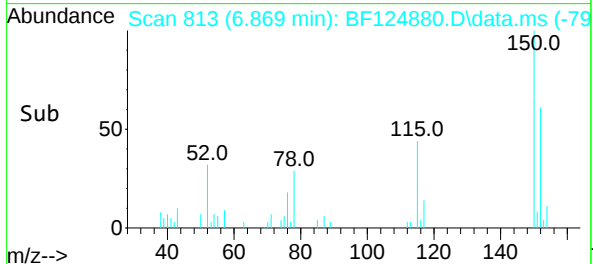
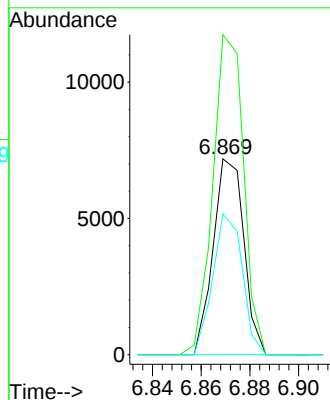
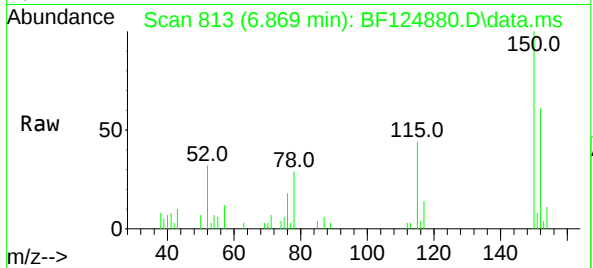




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

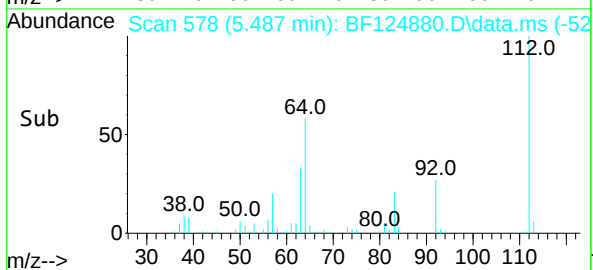
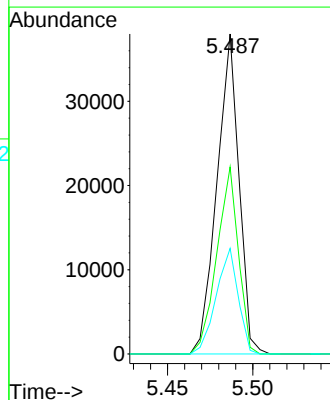
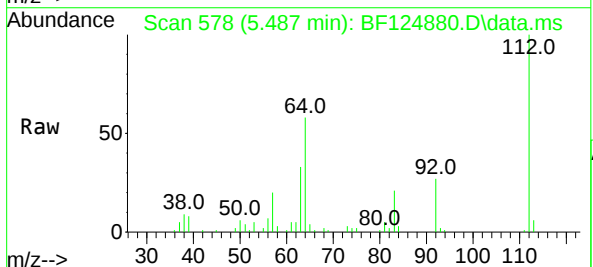
Instrument :
BNA_F
ClientSampleId :
SOLID-A-E

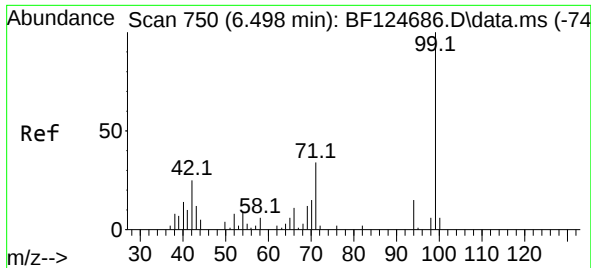
Tgt Ion:152 Resp: 6269
Ion Ratio Lower Upper
152 100
150 163.4 117.6 176.4
115 71.9 47.1 70.7#



#5
2-Fluorophenol
Concen: 92.180 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

Tgt Ion:112 Resp: 34130
Ion Ratio Lower Upper
112 100
64 58.4 44.2 66.2
63 33.0 26.2 39.2

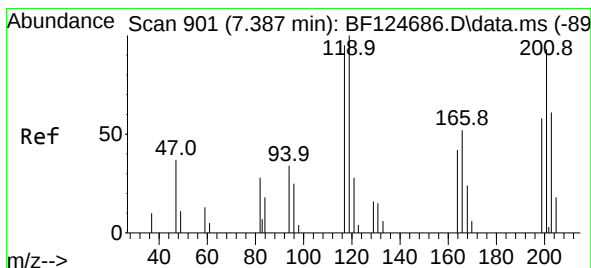
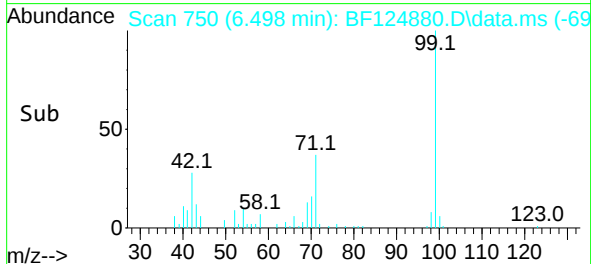
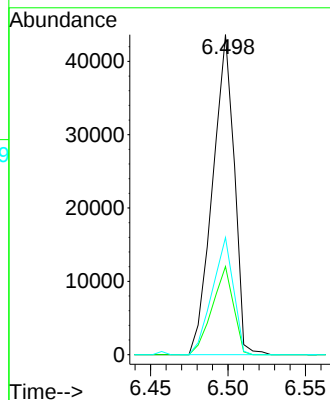
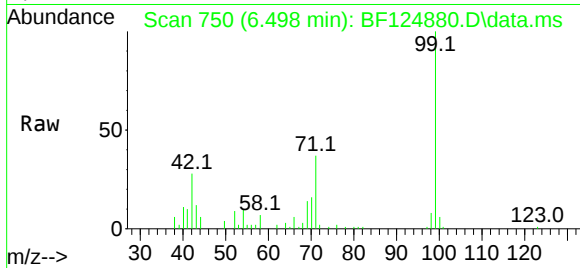




#7
Phenol-d6
Concen: 91.279 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.000 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

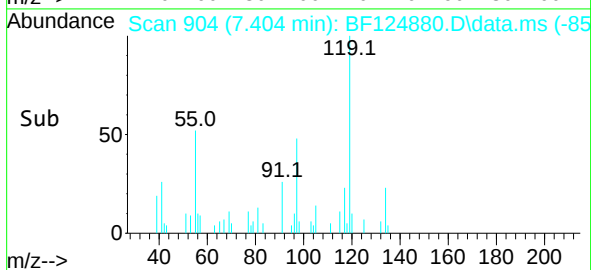
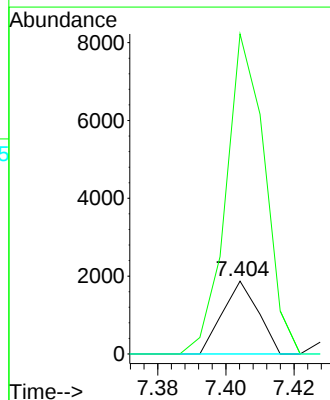
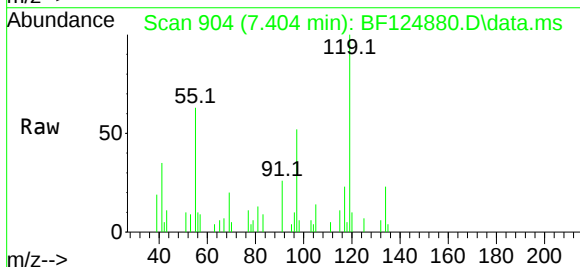
Instrument :
BNA_F
ClientSampleId :
SOLID-A-E

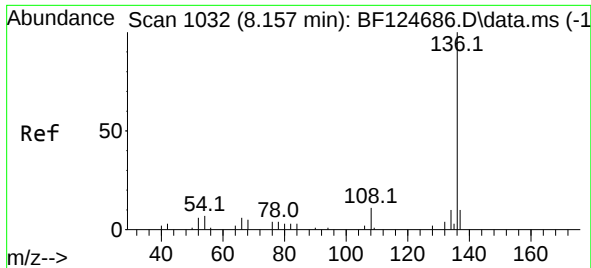
Tgt Ion:	99	Resp:	42369
Ion	Ratio	Lower	Upper
99	100		
42	27.6	23.5	35.3
71	36.6	25.6	38.4



#18
Hexachloroethane
Concen: 7.879 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.018 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

Tgt Ion:	117	Resp:	1356
Ion	Ratio	Lower	Upper
117	100		
119	440.0	73.4	110.2#
201	0.0	64.9	97.3#

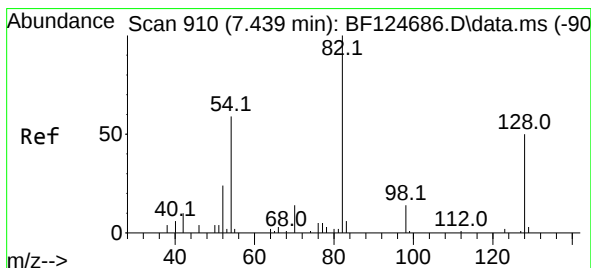
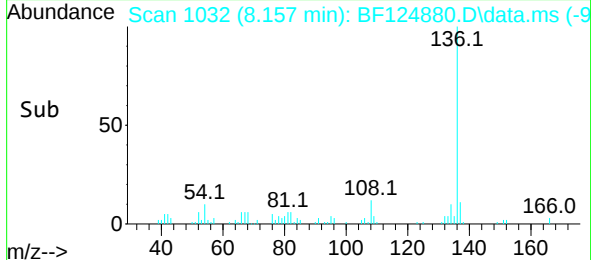
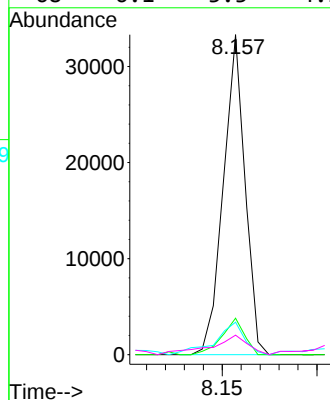
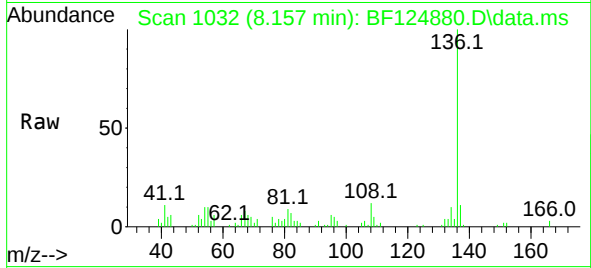




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

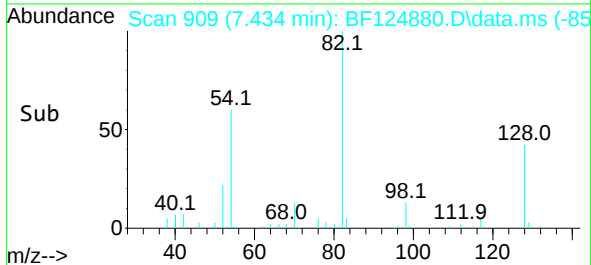
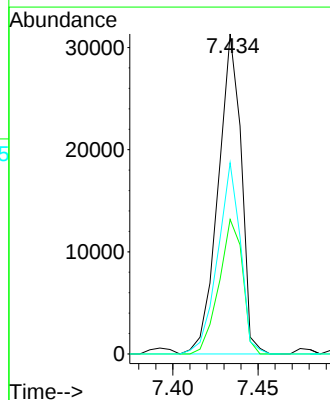
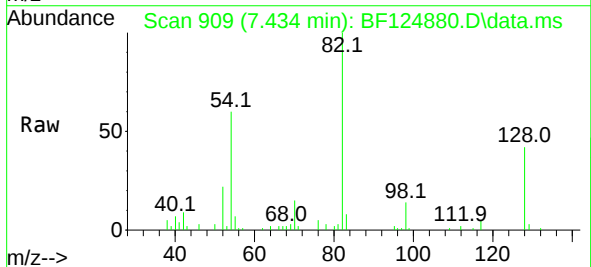
Instrument :
BNA_F
ClientSampleId :
SOLID-A-E

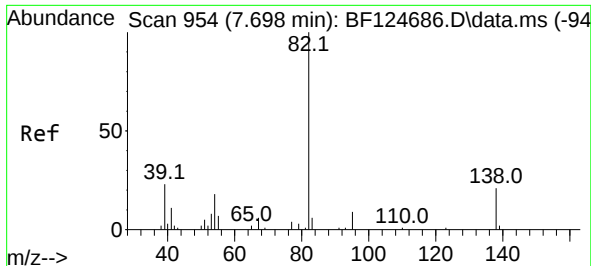
Tgt Ion:	136	Resp:	26493
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.8	14.6
54	10.1	6.4	9.6#
68	6.1	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 66.266 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

Tgt Ion:	82	Resp:	29497
Ion Ratio	Lower	Upper	
82	100		
128	42.1	40.6	60.8
54	59.8	49.6	74.4

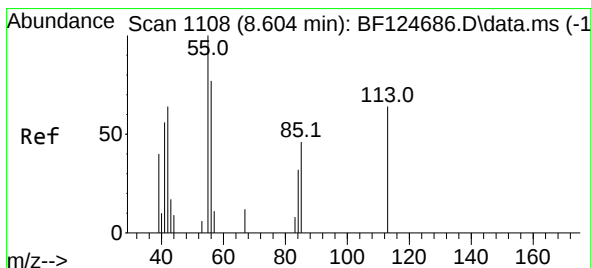
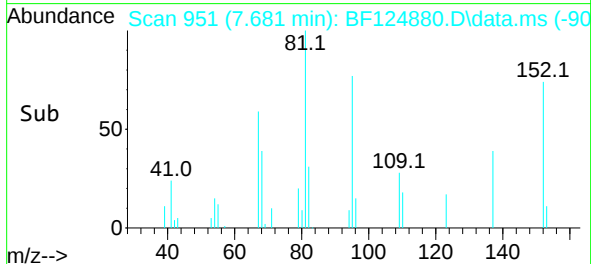
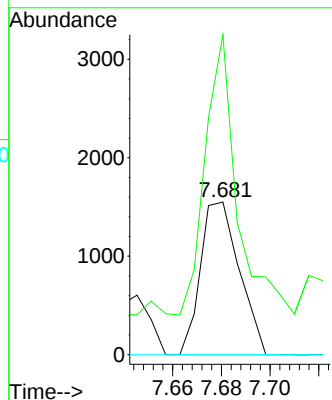
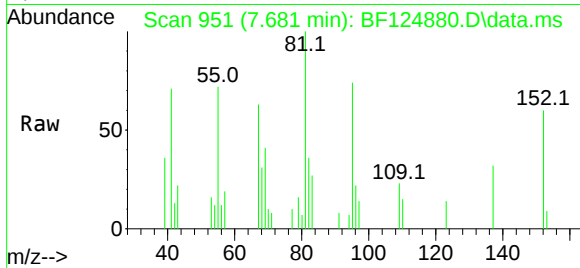




#25
Isophorone
Concen: 2.185 ng
RT: 7.681 min Scan# 951
Delta R.T. -0.018 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

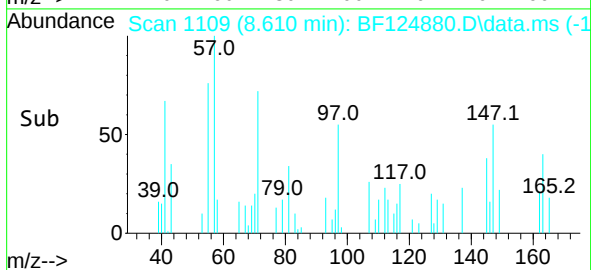
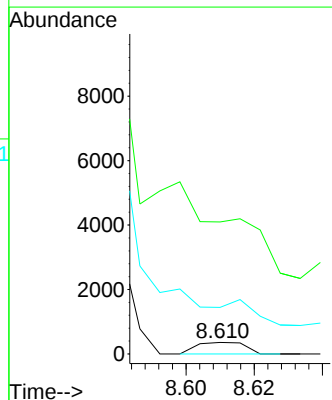
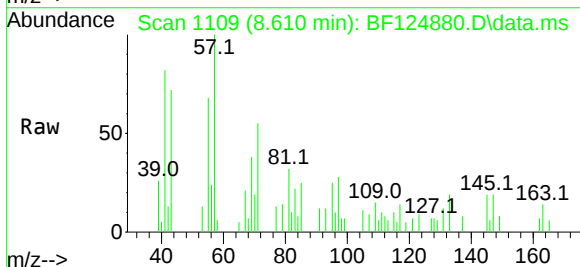
Instrument :
BNA_F
ClientSampleId :
SOLID-A-E

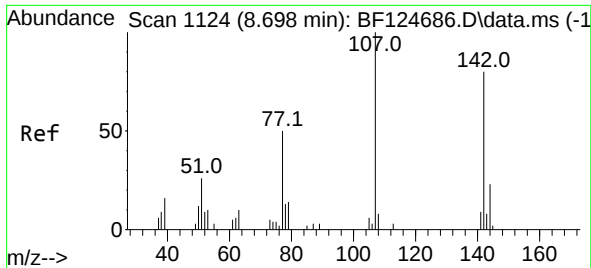
Tgt Ion: 82 Resp: 1720
Ion Ratio Lower Upper
82 100
95 209.7 6.5 9.7#
138 0.0 18.4 27.6#



#35
Caprolactam
Concen: 3.526 ng
RT: 8.610 min Scan# 1109
Delta R.T. 0.006 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

Tgt Ion: 113 Resp: 361
Ion Ratio Lower Upper
113 100
55 1147.3 154.1 194.1#
56 405.3 108.7 148.7#

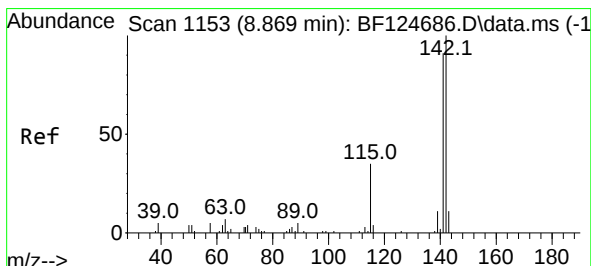
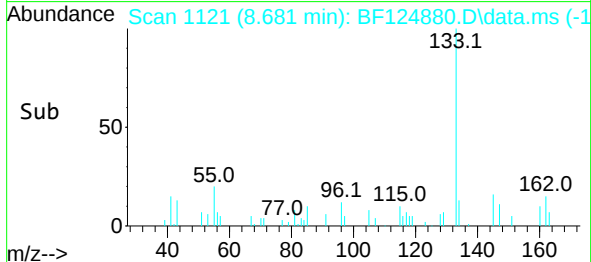
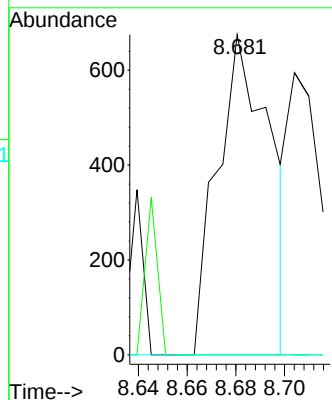
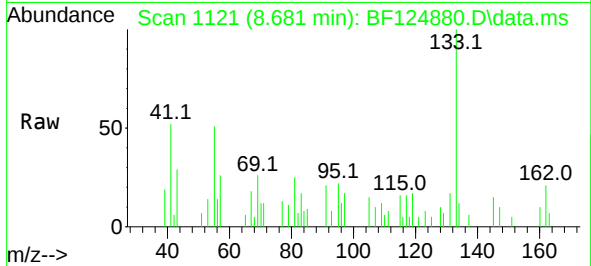




#36
4-Chloro-3-methylphenol
Concen: 2.702 ng
RT: 8.681 min Scan# 1121
Delta R.T. -0.018 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

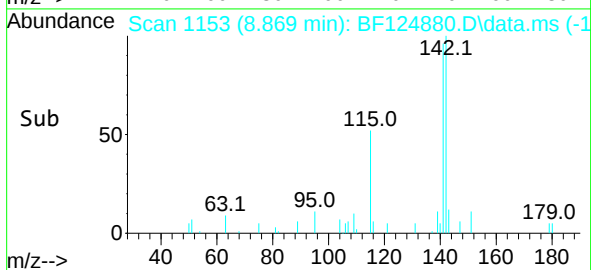
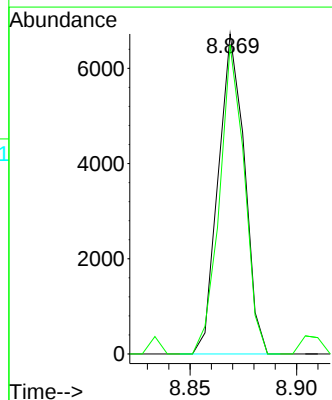
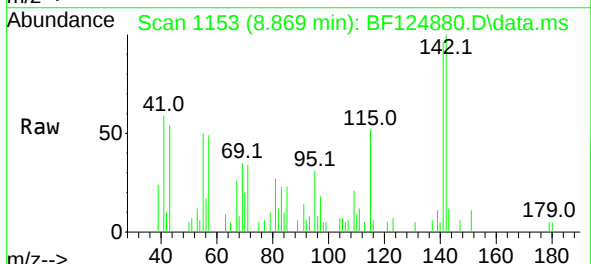
Instrument :
BNA_F
ClientSampled :
SOLID-A-E

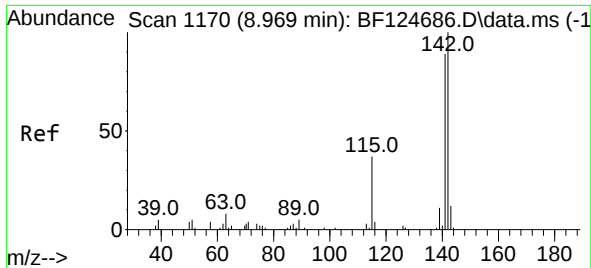
Tgt Ion:107 Resp: 1015
Ion Ratio Lower Upper
107 100
144 0.0 21.9 32.9#
142 0.0 67.1 100.7#



#37
2-Methylnaphthalene
Concen: 6.219 ng
RT: 8.869 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

Tgt Ion:142 Resp: 5745
Ion Ratio Lower Upper
142 100
141 96.4 71.2 106.8

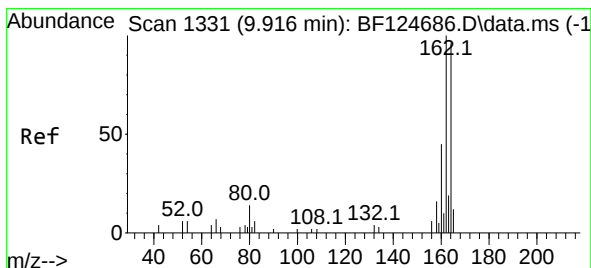
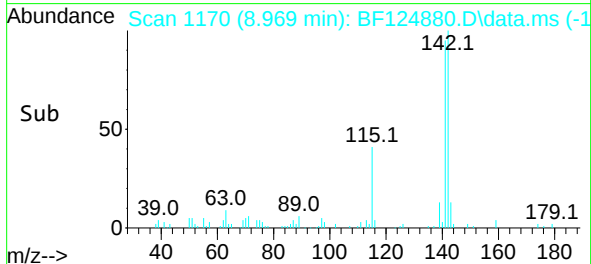
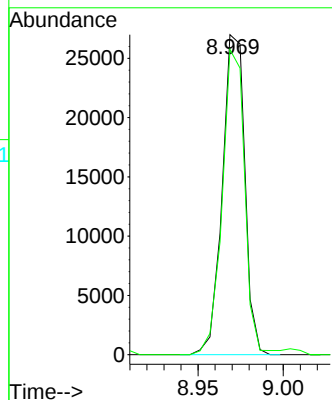
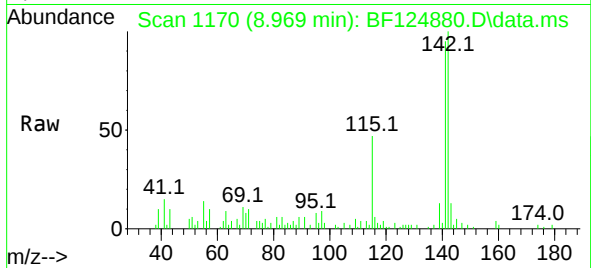




#38
1-Methylnaphthalene
Concen: 28.401 ng
RT: 8.969 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

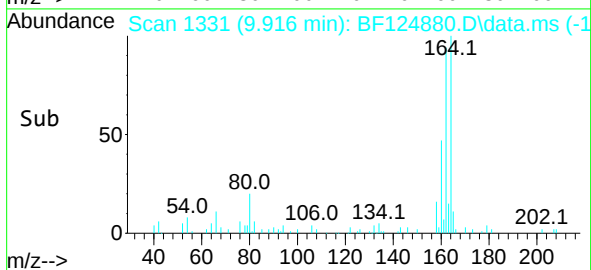
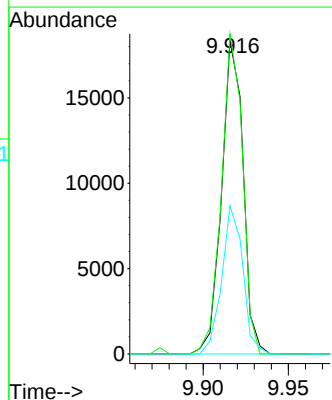
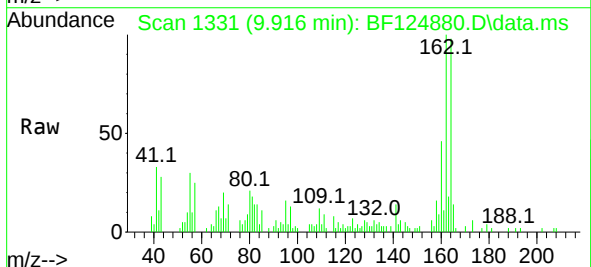
Instrument :
BNA_F
ClientSampled :
SOLID-A-E

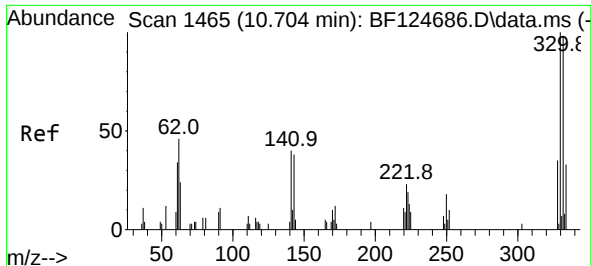
Tgt Ion:142 Resp: 24855
Ion Ratio Lower Upper
142 100
141 95.4 76.0 114.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

Tgt Ion:164 Resp: 16093
Ion Ratio Lower Upper
164 100
162 102.0 81.3 121.9
160 47.3 38.0 57.0

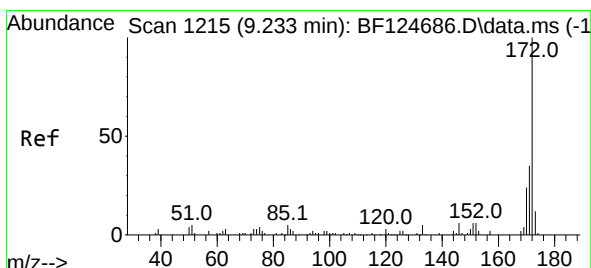
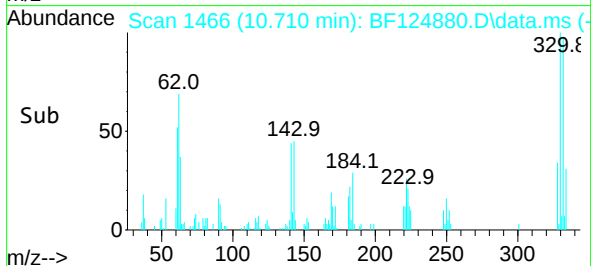
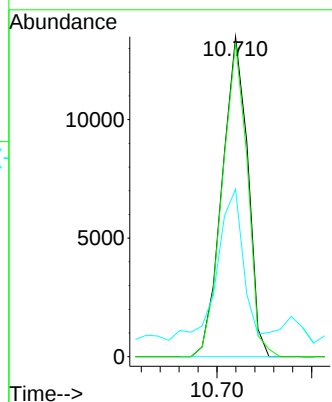
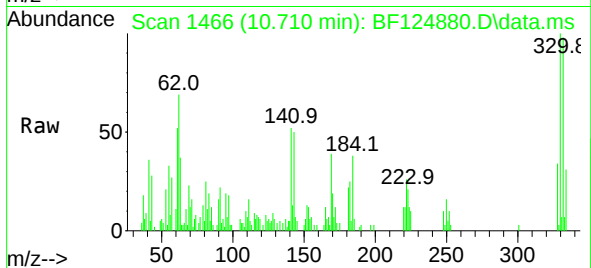




#42
2,4,6-Tribromophenol
Concen: 91.363 ng
RT: 10.710 min Scan# 1466
Delta R.T. 0.006 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

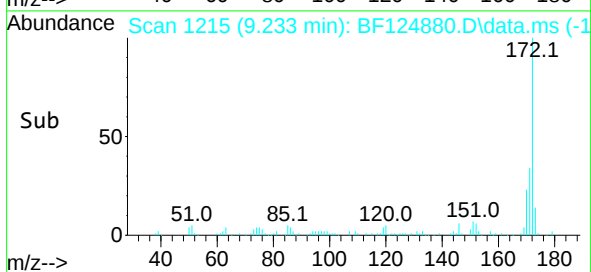
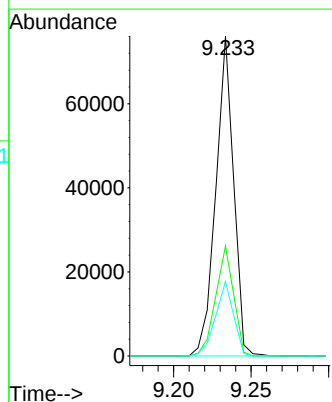
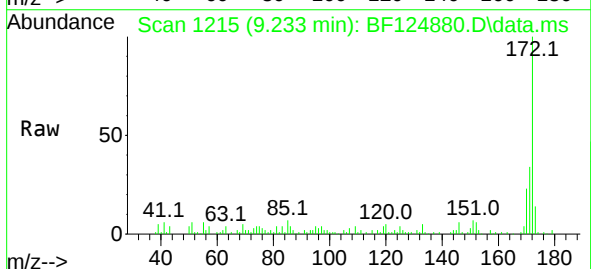
Instrument :
BNA_F
ClientSampleId :
SOLID-A-E

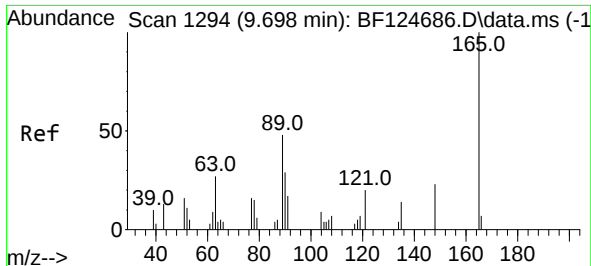
Tgt Ion: 330 Resp: 12624
Ion Ratio Lower Upper
330 100
332 97.0 76.2 114.4
141 57.0 44.6 66.8



#45
2-Fluorobiphenyl
Concen: 55.381 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.000 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

Tgt Ion: 172 Resp: 60681
Ion Ratio Lower Upper
172 100
171 34.4 26.5 39.7
170 23.4 18.8 28.2

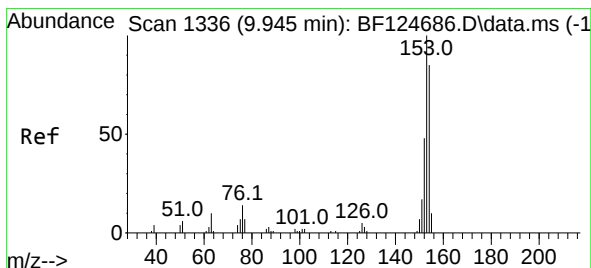
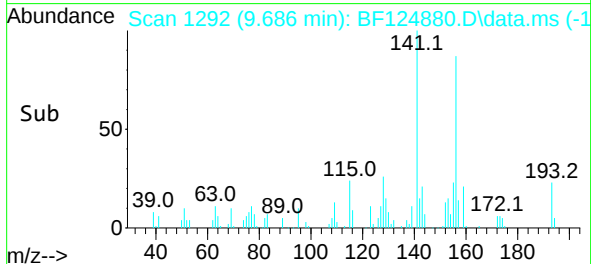
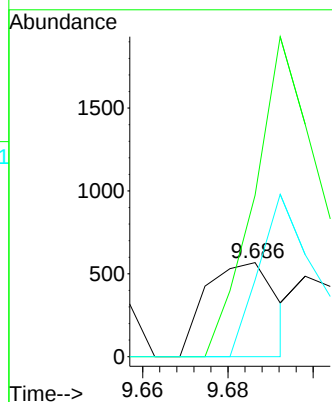
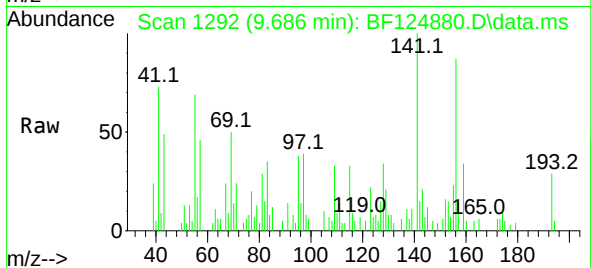




#51
2,6-Dinitrotoluene
Concen: 2.663 ng
RT: 9.686 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

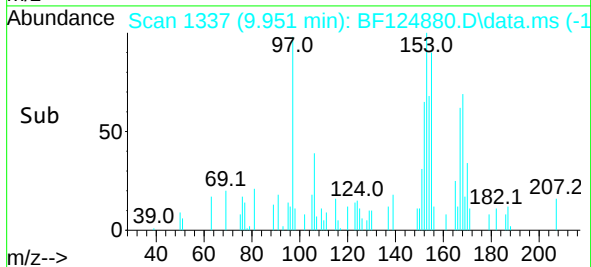
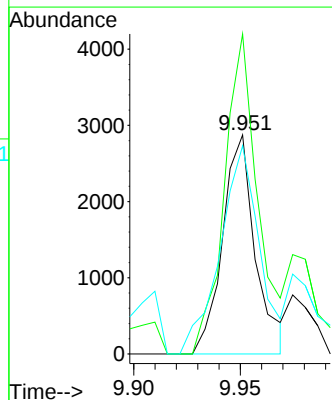
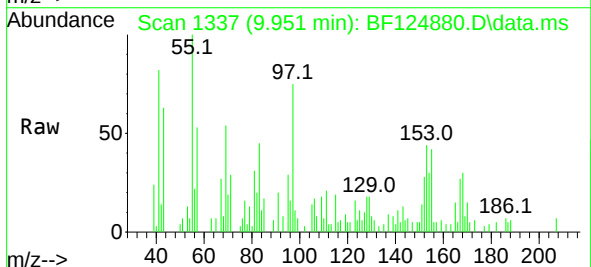
Instrument :
BNA_F
ClientSampled :
SOLID-A-E

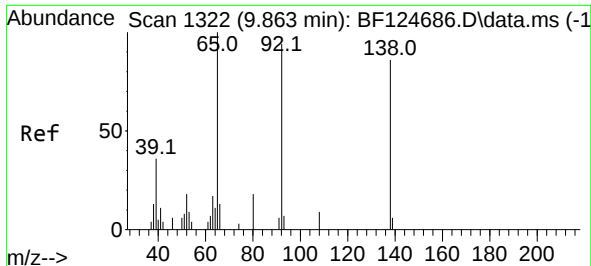
Tgt Ion:165 Resp: 652
Ion Ratio Lower Upper
165 100
63 171.5 42.6 63.8#
89 81.3 40.6 60.8#



#52
Acenaphthene
Concen: 3.168 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

Tgt Ion:154 Resp: 3080
Ion Ratio Lower Upper
154 100
153 146.1 89.4 134.2#
152 95.0 40.5 60.7#

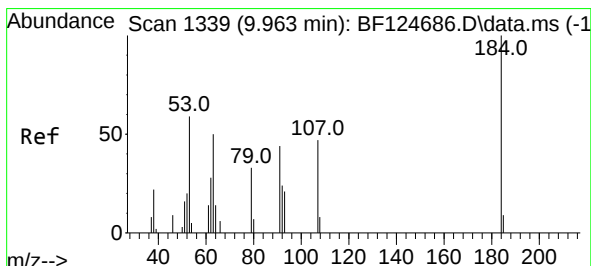
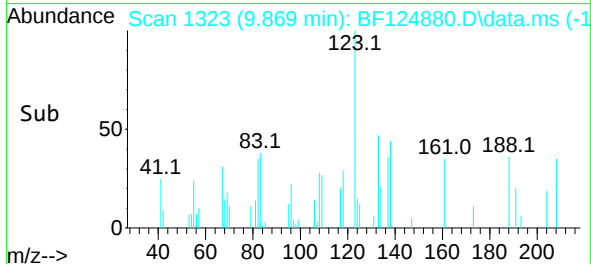
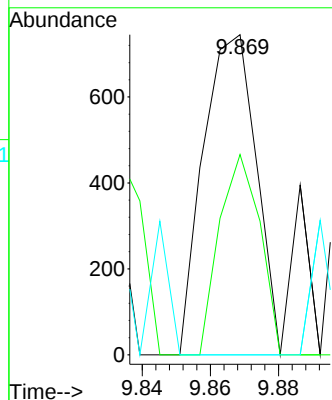
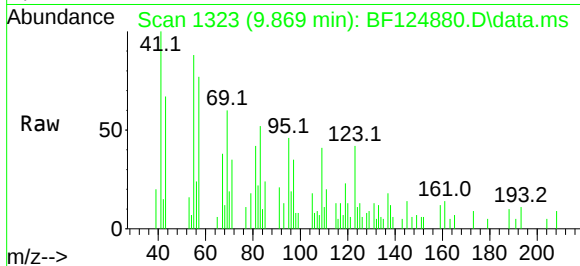




#53
3-Nitroaniline
Concen: 3.118 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

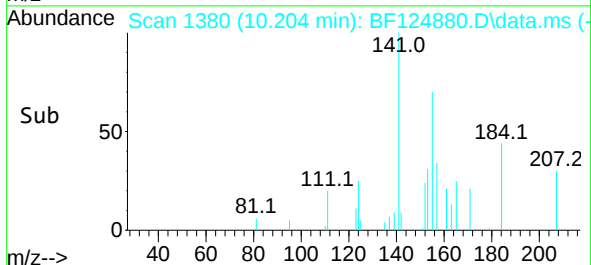
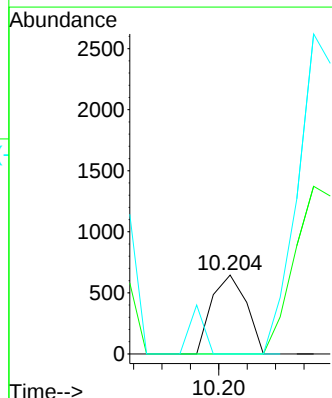
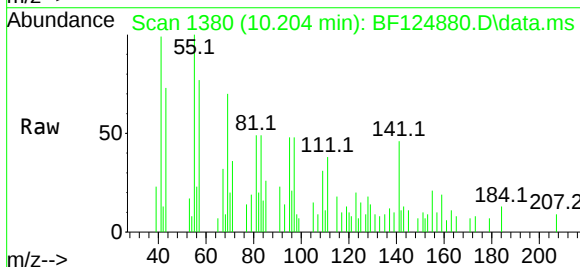
Instrument :
BNA_F
ClientSampled :
SOLID-A-E

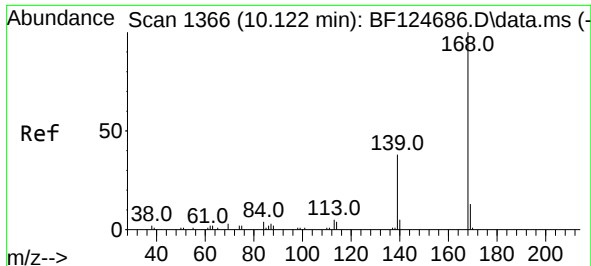
Tgt Ion:138 Resp: 803
Ion Ratio Lower Upper
138 100
108 62.6 9.3 13.9#
92 0.0 76.5 114.7#



#54
2,4-Dinitrophenol
Concen: 3.871 ng
RT: 10.204 min Scan# 1380
Delta R.T. 0.241 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

Tgt Ion:184 Resp: 548
Ion Ratio Lower Upper
184 100
63 0.0 59.3 88.9#
154 0.0 68.6 102.8#

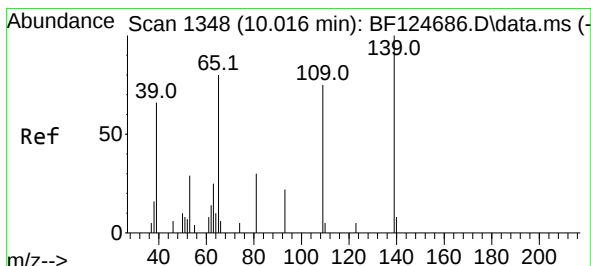
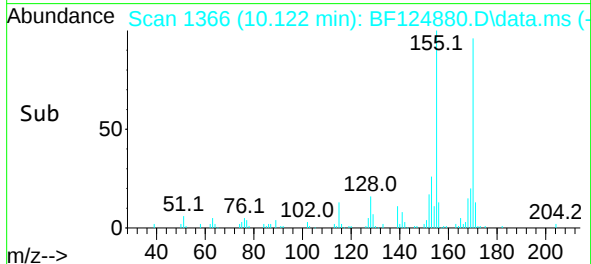
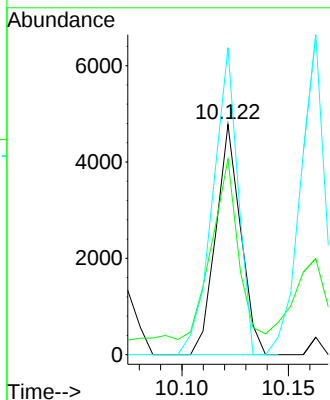
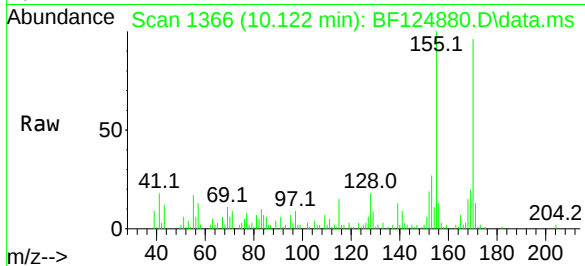




#55
Dibenzenofuran
Concen: 2.784 ng
RT: 10.122 min Scan# 1366
Delta R.T. -0.000 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

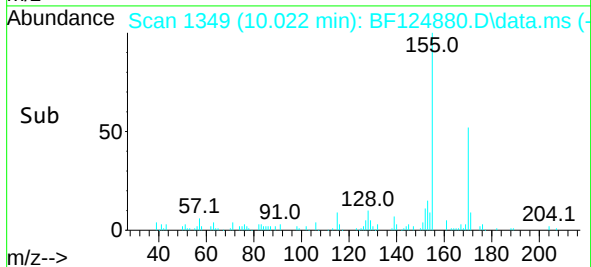
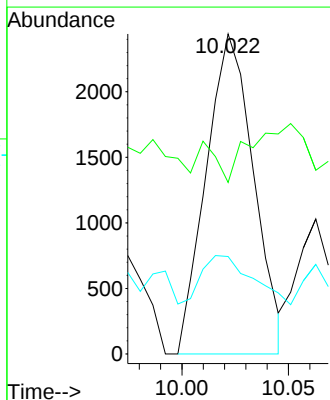
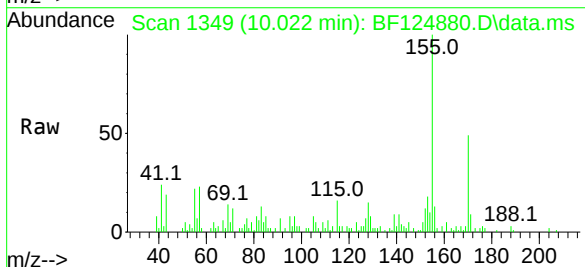
Instrument :
BNA_F
ClientSampled :
SOLID-A-E

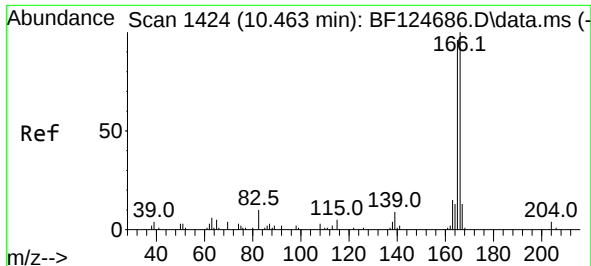
Tgt Ion:168 Resp: 3868
Ion Ratio Lower Upper
168 100
139 85.0 32.7 49.1#
169 133.3 11.2 16.8#



#56
4-Nitrophenol
Concen: 18.625 ng
RT: 10.022 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

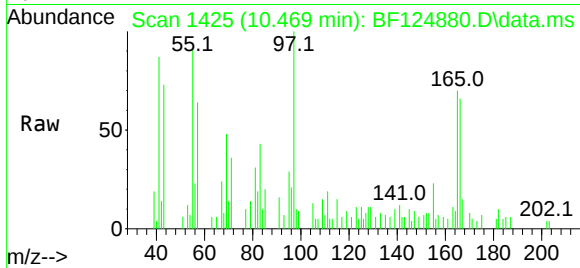
Tgt Ion:139 Resp: 3788
Ion Ratio Lower Upper
139 100
109 53.6 60.4 100.4#
65 30.4 58.4 98.4#



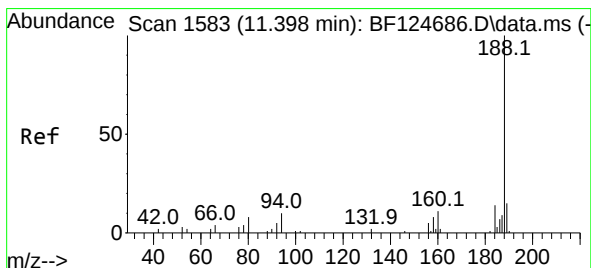
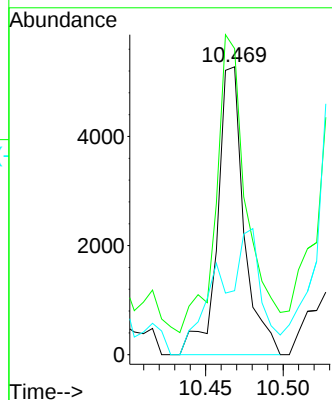
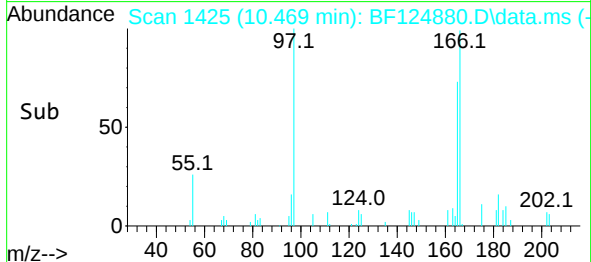


#58
Fluorene
Concen: 5.877 ng
RT: 10.469 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

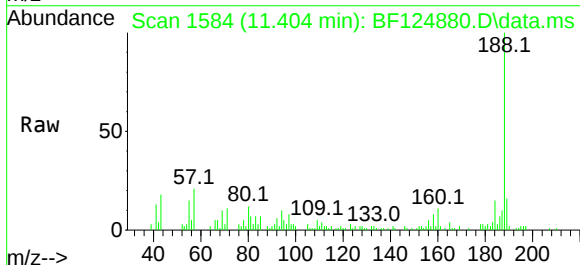
Instrument :
BNA_F
ClientSampled :
SOLID-A-E



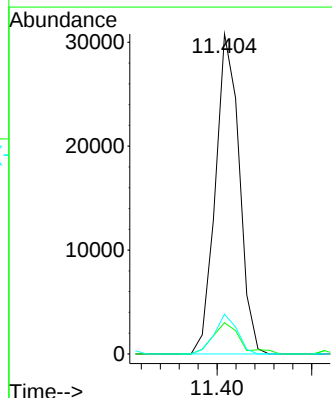
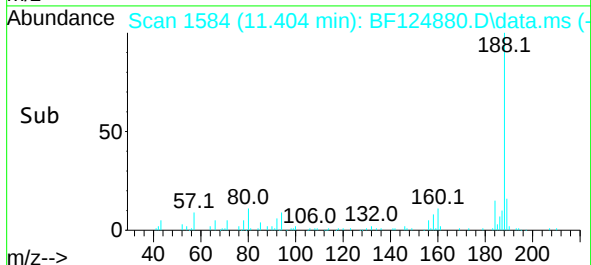
Tgt Ion:166 Resp: 6263
Ion Ratio Lower Upper
166 100
165 106.3 78.1 117.1
167 22.2 11.1 16.7#

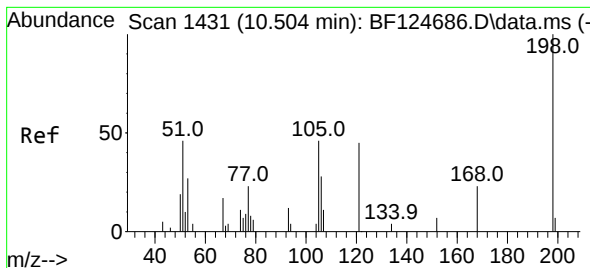


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19



Tgt Ion:188 Resp: 26927
Ion Ratio Lower Upper
188 100
94 9.8 6.7 10.1
80 12.4 7.5 11.3#

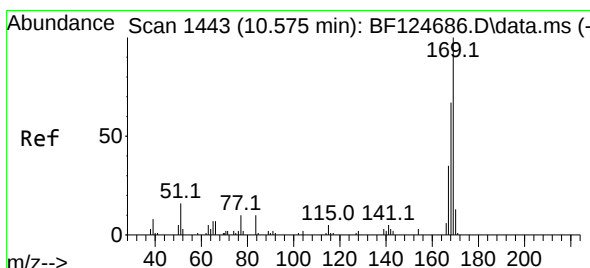
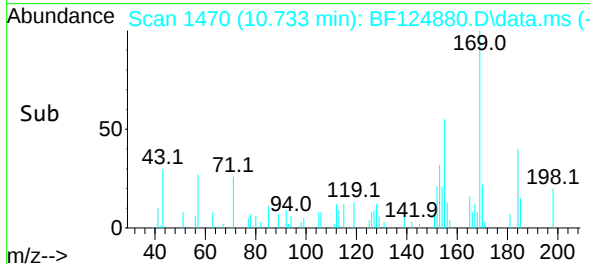
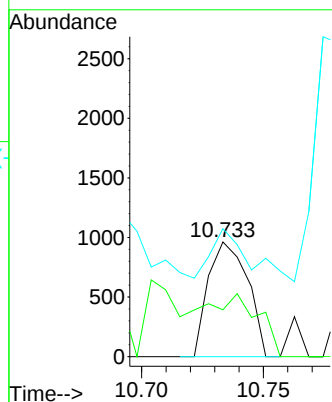
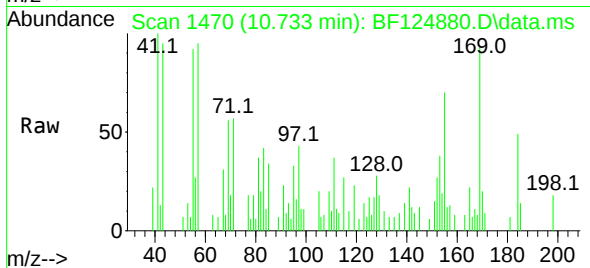




#65
4,6-Dinitro-2-methylphenol
Concen: 6.205 ng
RT: 10.733 min Scan# 1470
Delta R.T. 0.229 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

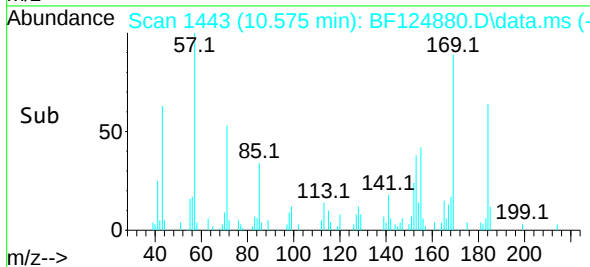
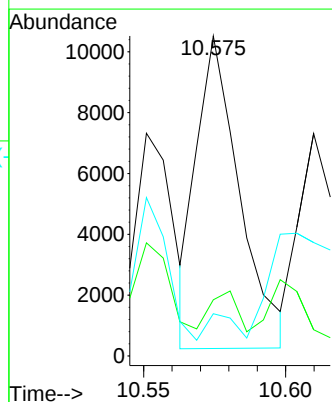
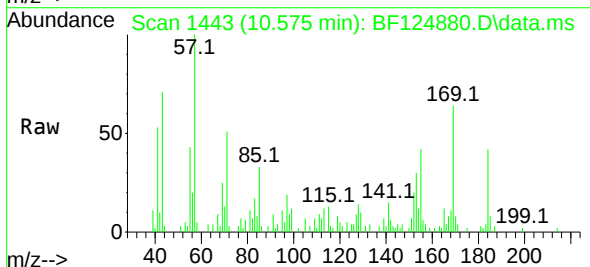
Instrument :
BNA_F
ClientSampled :
SOLID-A-E

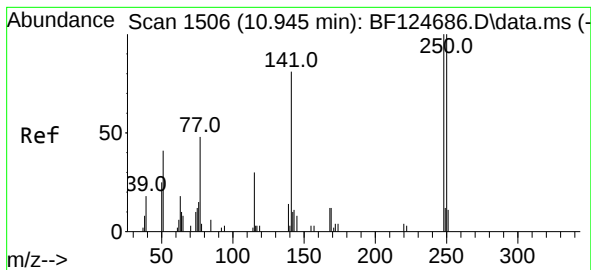
Tgt Ion:198 Resp: 1082
Ion Ratio Lower Upper
198 100
51 40.8 45.3 85.3#
105 111.5 30.6 70.6#



#66
n-Nitrosodiphenylamine
Concen: 12.388 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

Tgt Ion:169 Resp: 10810
Ion Ratio Lower Upper
169 100
168 17.5 50.8 76.2#
167 13.2 28.8 43.2#

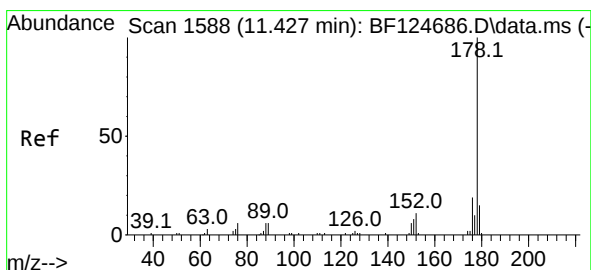
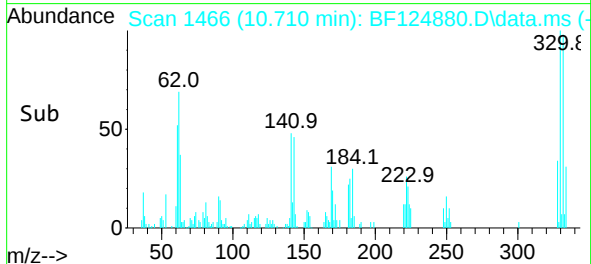
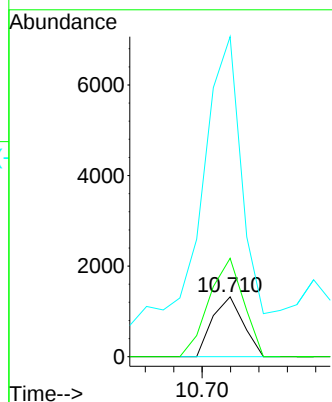
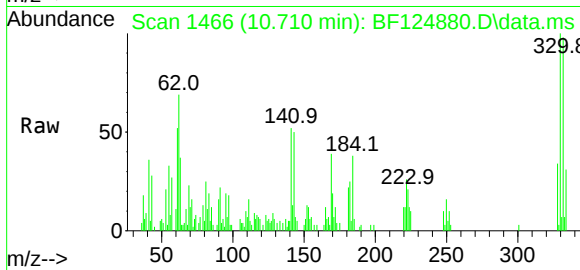




#67
4-Bromophenyl-phenylether
Concen: 3.481 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.235 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

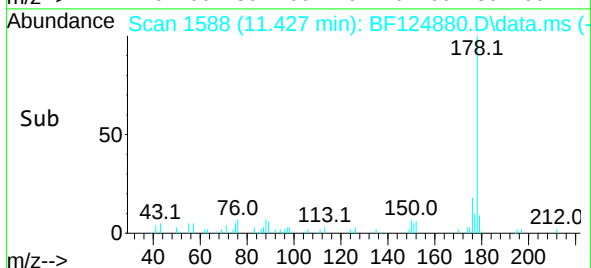
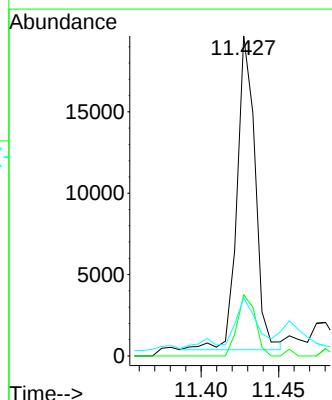
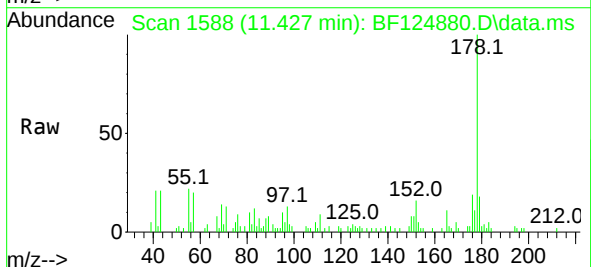
Instrument :
BNA_F
ClientSampled :
SOLID-A-E

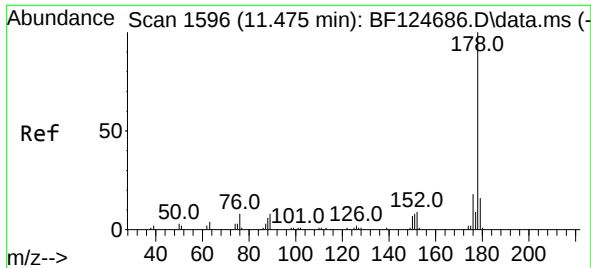
Tgt Ion:248 Resp: 994
Ion Ratio Lower Upper
248 100
250 164.5 74.2 111.4#
141 535.3 60.4 90.6#



#71
Phenanthrene
Concen: 10.879 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

Tgt Ion:178 Resp: 15755
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 18.1 11.5 17.3#

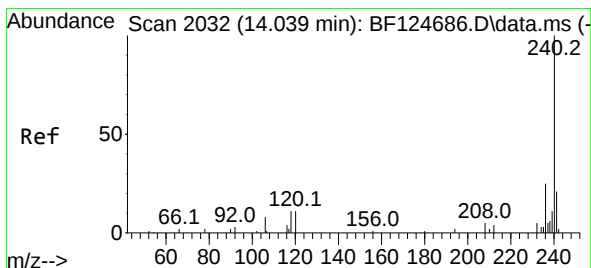
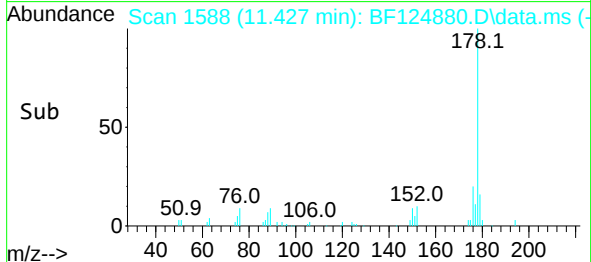
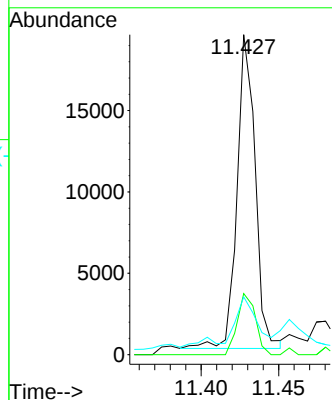
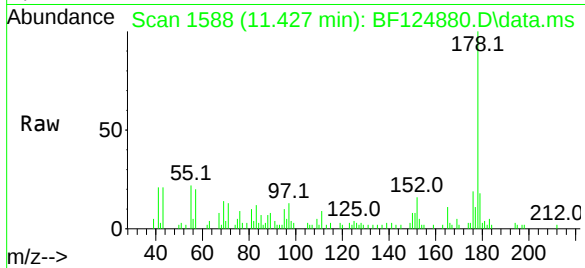




#72
 Anthracene
 Concen: 10.882 ng
 RT: 11.427 min Scan# 1588
 Delta R.T. -0.047 min
 Lab File: BF124880.D
 Acq: 30 Jul 2021 17:19

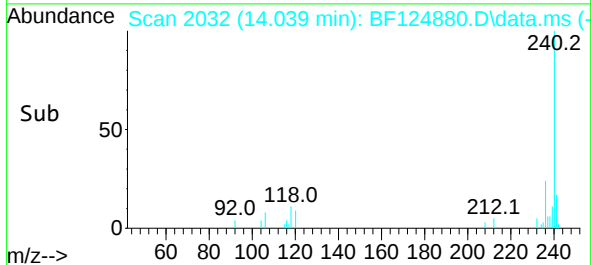
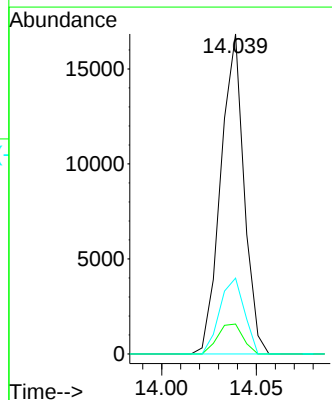
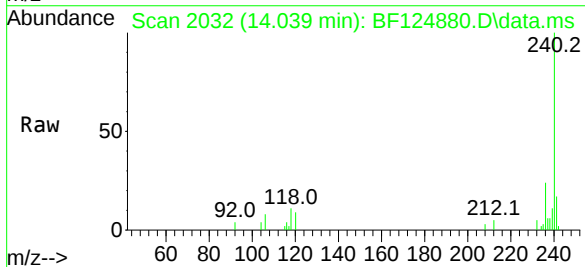
Instrument :
 BNA_F
 ClientSampleID :
 SOLID-A-E

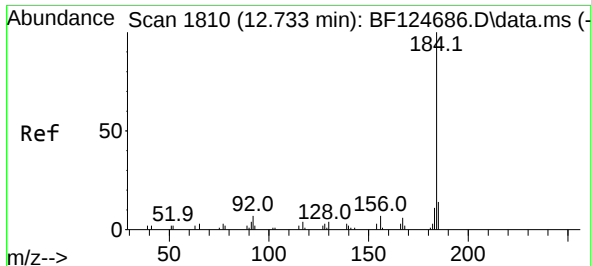
Tgt Ion:178 Resp: 15755
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.3 21.5
 179 18.1 12.2 18.4



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.000 min
 Lab File: BF124880.D
 Acq: 30 Jul 2021 17:19

Tgt Ion:240 Resp: 14379
 Ion Ratio Lower Upper
 240 100
 120 9.3 10.8 16.2#
 236 23.7 21.6 32.4

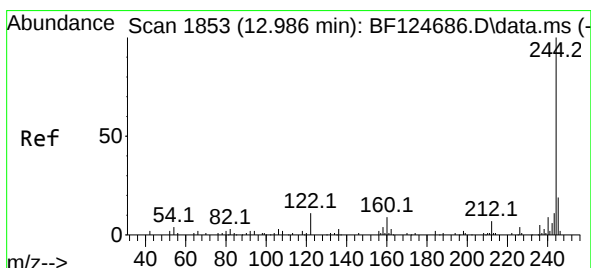
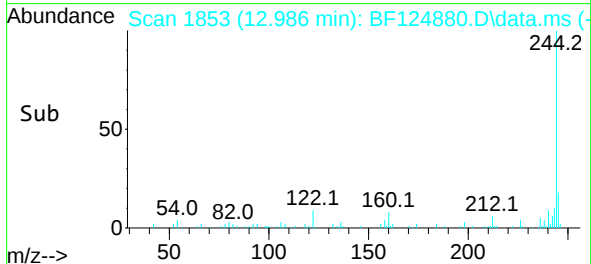
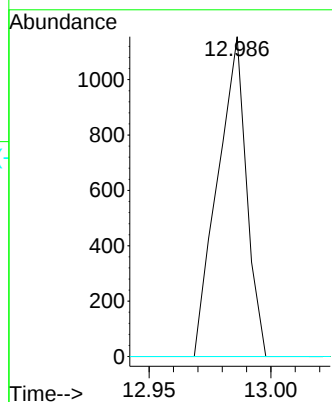
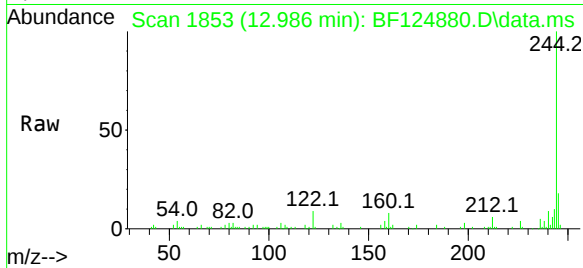




#77
Benzidine
Concen: 2.345 ng
RT: 12.986 min Scan# 1853
Delta R.T. 0.253 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

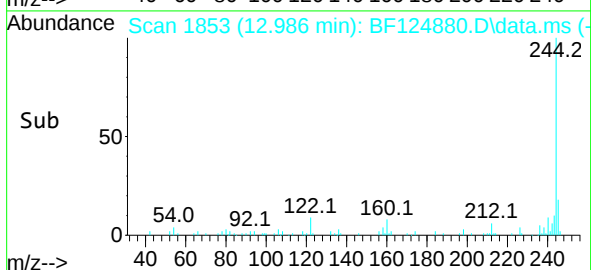
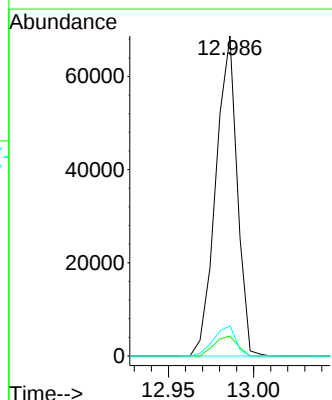
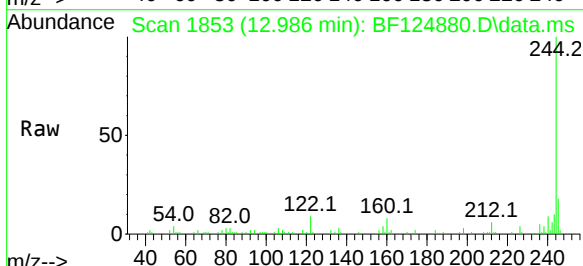
Instrument :
BNA_F
ClientSampleId :
SOLID-A-E

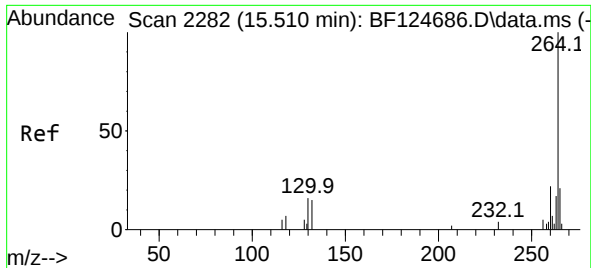
Tgt Ion:184 Resp: 951
Ion Ratio Lower Upper
184 100
185 0.0 10.8 16.2#
183 0.0 8.1 12.1#



#79
Terphenyl-d14
Concen: 71.458 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.000 min
Lab File: BF124880.D
Acq: 30 Jul 2021 17:19

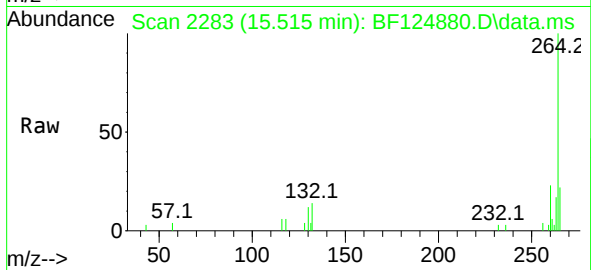
Tgt Ion:244 Resp: 59942
Ion Ratio Lower Upper
244 100
212 6.2 5.9 8.9
122 9.4 9.0 13.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 2283
 Delta R.T. 0.006 min
 Lab File: BF124880.D
 Acq: 30 Jul 2021 17:19

Instrument :
 BNA_F
 ClientSampleId :
 SOLID-A-E



Tgt Ion:	264	Resp:	12982
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.6	29.4
265	22.2	17.2	25.8

