

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062521\
 Data File : BF124453.D
 Acq On : 25 Jun 2021 15:55
 Operator : JU/CG
 Sample : M2812-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 356-349

Quant Time: Jun 25 16:54:57 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 25 13:23:23 2021
 Response via : Initial Calibration

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

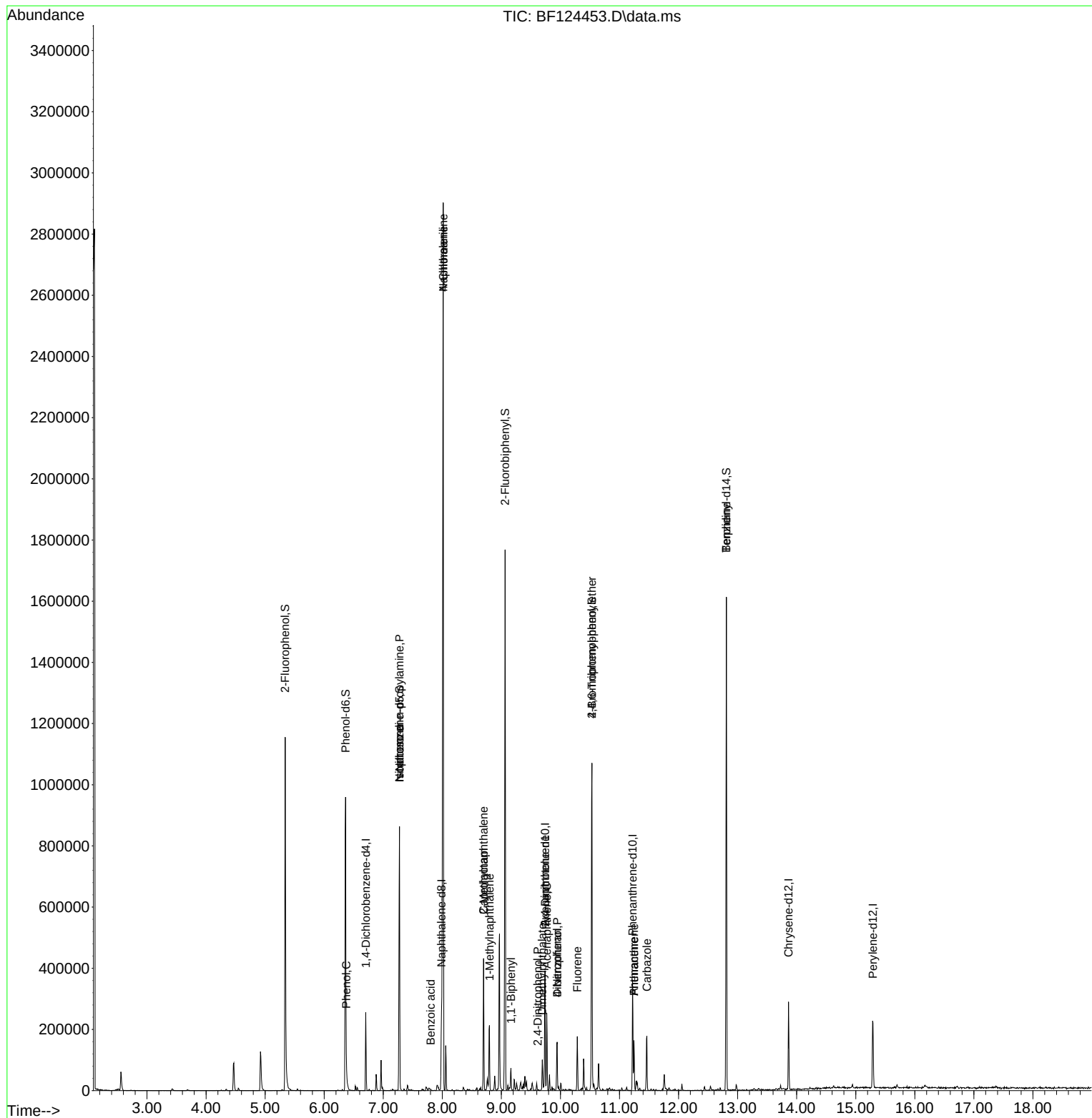
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.704	152	32610	20.000	ng	0.00
21) Naphthalene-d8	7.987	136	123015	20.000	ng	# 0.00
39) Acenaphthene-d10	9.739	164	69776	20.000	ng	0.00
64) Phenanthrene-d10	11.222	188	119867	20.000	ng	0.00
76) Chrysene-d12	13.863	240	85400	20.000	ng	0.00
86) Perylene-d12	15.292	264	91324	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	270182	130.301	ng	0.01
7) Phenol-d6	6.363	99	304582	112.501	ng	0.00
23) Nitrobenzene-d5	7.275	82	260566	87.825	ng	0.00
42) 2,4,6-Tribromophenol	10.533	330	116731	140.026	ng	0.00
45) 2-Fluorobiphenyl	9.063	172	513928	90.225	ng	0.00
79) Terphenyl-d14	12.810	244	468084	82.095	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.375	94	5907	2.018	ng	77
19) n-Nitroso-di-n-propyla...	7.275	70	39348	21.611	ng	# 57
25) Isophorone	7.275	82	260561	51.081	ng	# 69
31) Naphthalene	8.016	128	1274294	176.071	ng	98
32) Benzoic acid	7.804	122	1145	8.056	ng	# 20
33) 4-Chloroaniline	8.016	127	183693	67.576	ng	# 36
35) Caprolactam	8.698	113	2801	4.686	ng	# 1
37) 2-Methylnaphthalene	8.698	142	91759	17.916	ng	87
38) 1-Methylnaphthalene	8.798	142	53089	11.145	ng	97
46) 1,1'-Biphenyl	9.163	154	20827	3.512	ng	94
50) Dimethylphthalate	9.692	163	23159	4.210	ng	# 94
52) Acenaphthene	9.769	154	50660	11.378	ng	95
54) 2,4-Dinitrophenol	9.616	184	554	7.057	ng	# 9
55) Dibenzofuran	9.945	168	54906	7.737	ng	96
56) 4-Nitrophenol	9.945	139	20890	35.400	ng	# 1
57) 2,4-Dinitrotoluene	9.739	165	10506	6.237	ng	# 17
58) Fluorene	10.286	166	41668	7.642	ng	99
67) 4-Bromophenyl-phenylether	10.533	248	8555	5.305	ng	# 1
71) Phenanthrene	11.245	178	53801	7.120	ng	97
72) Anthracene	11.245	178	53801	7.146	ng	97
73) Carbazole	11.463	167	66942	10.202	ng	98
77) Benzidine	12.810	184	8761	5.119	ng	98

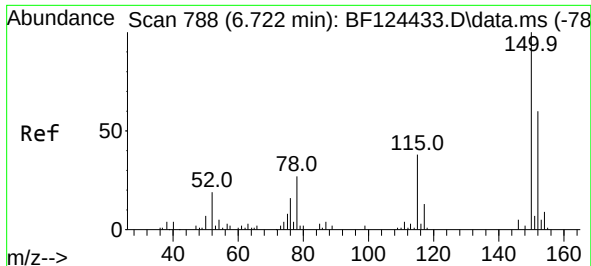
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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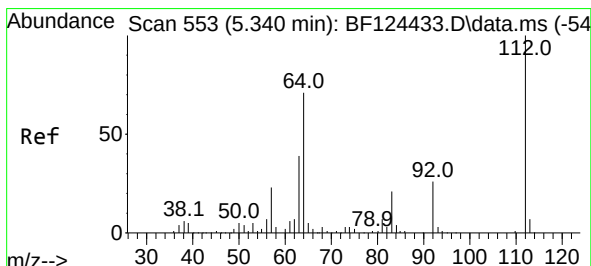
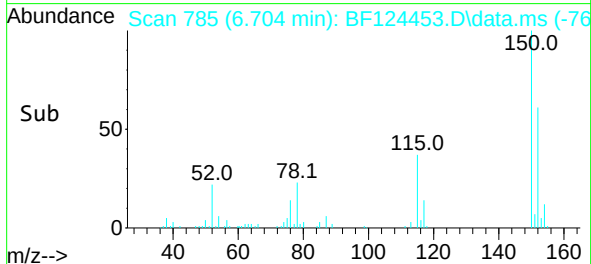
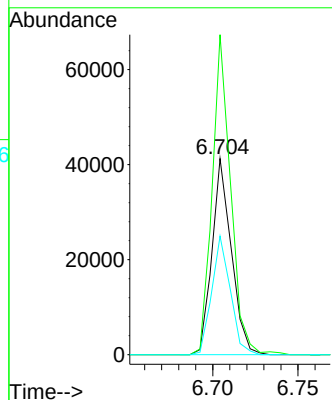
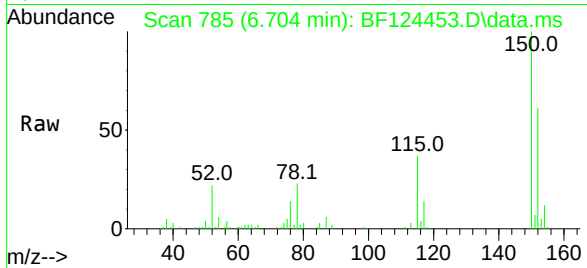




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.704 min Scan# 785
Delta R.T. 0.000 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

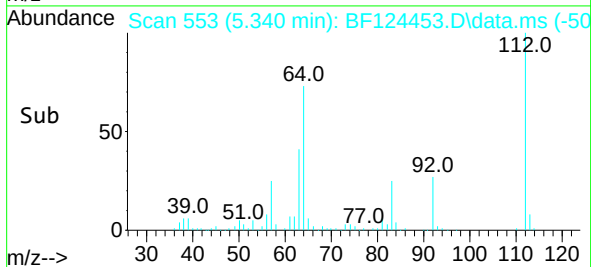
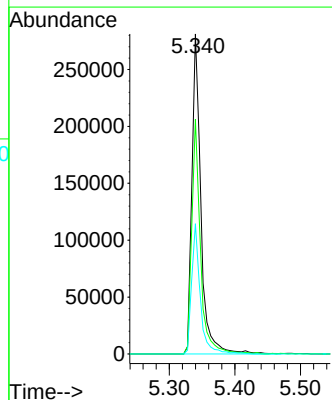
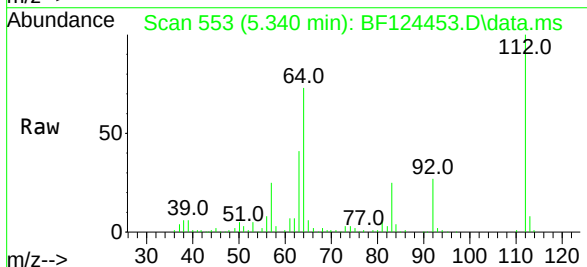
Instrument :
BNA_F
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356-349

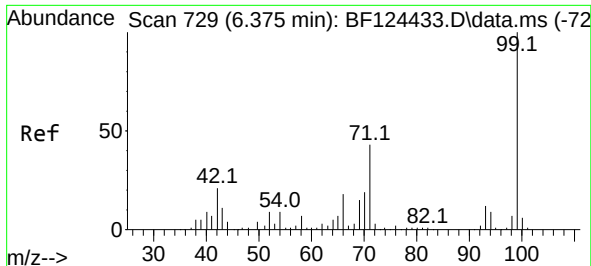
Tgt Ion:152 Resp: 32610
Ion Ratio Lower Upper
152 100
150 163.1 127.0 190.6
115 60.5 54.3 81.5



#5
2-Fluorophenol
Concen: 130.301 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.012 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

Tgt Ion:112 Resp: 270182
Ion Ratio Lower Upper
112 100
64 73.3 61.4 92.0
63 40.7 33.0 49.4

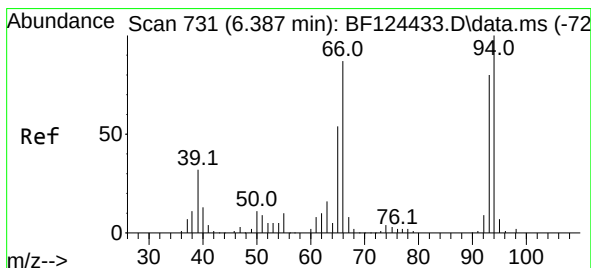
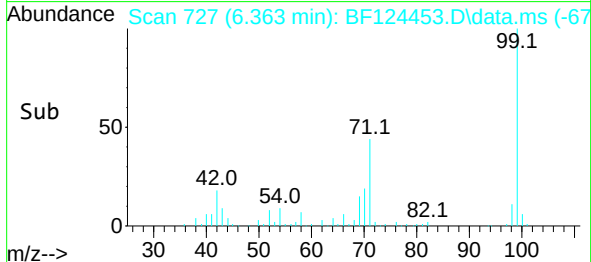
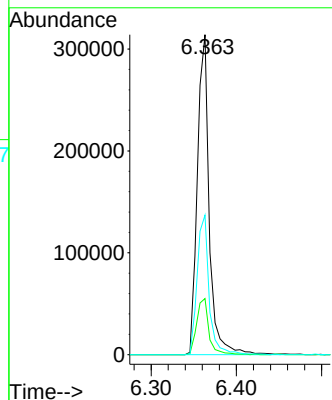
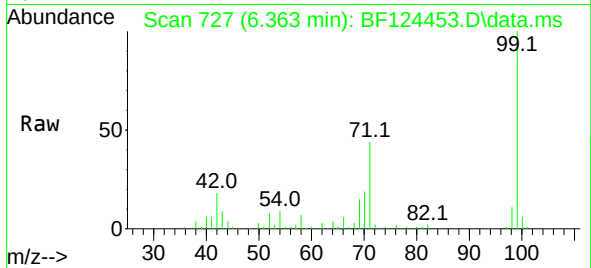




#7
Phenol-d6
Concen: 112.501 ng
RT: 6.363 min Scan# 727
Delta R.T. 0.000 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

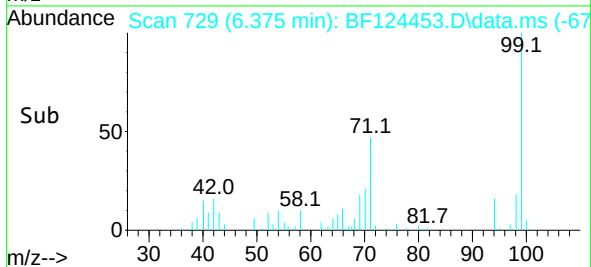
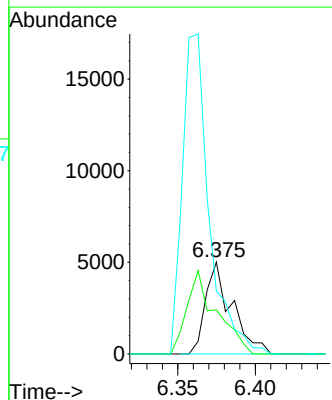
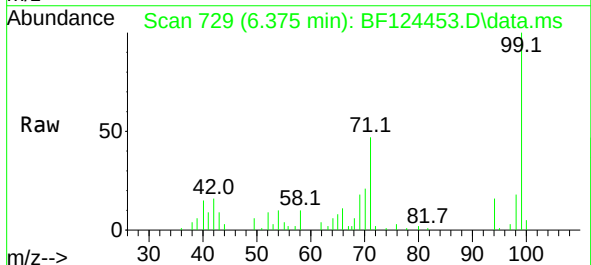
Instrument :
BNA_F
ClientSampleId :
356-349

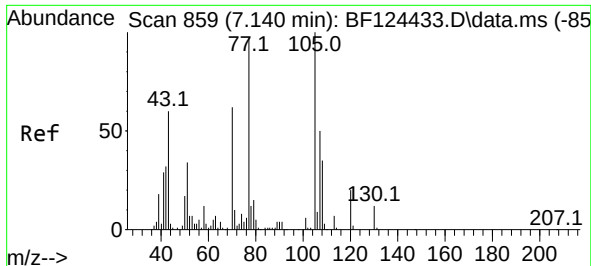
Tgt Ion: 99 Resp: 304582
Ion Ratio Lower Upper
99 100
42 17.5 19.8 29.8#
71 43.6 31.1 46.7



#10
Phenol
Concen: 2.018 ng
RT: 6.375 min Scan# 729
Delta R.T. 0.000 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

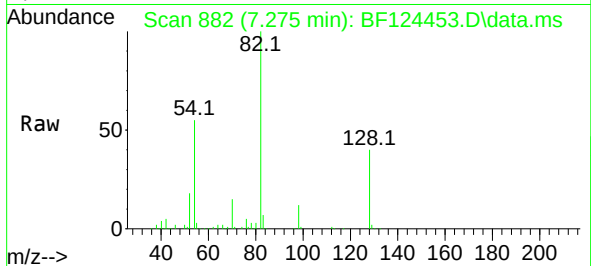
Tgt Ion: 94 Resp: 5907
Ion Ratio Lower Upper
94 100
65 48.1 18.1 58.1
66 68.5 29.0 69.0



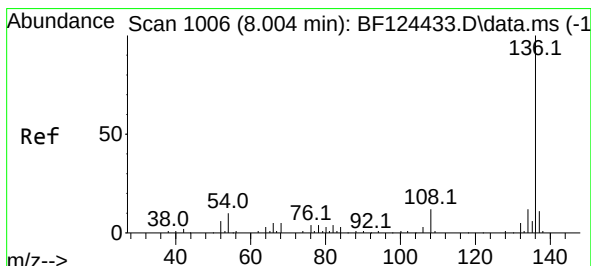
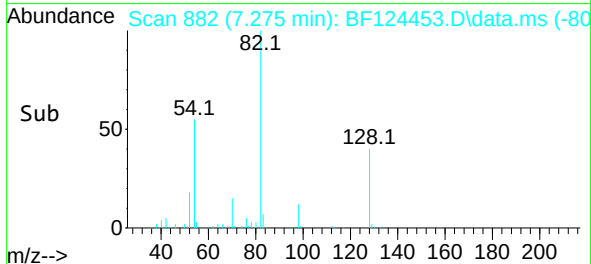
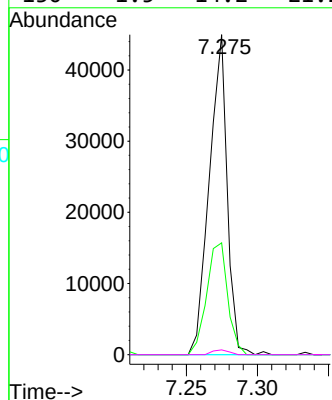


#19
n-Nitroso-di-n-propylamine
Concen: 21.611 ng
RT: 7.275 min Scan# 882
Delta R.T. 0.147 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

Instrument :
BNA_F
ClientSampleId :
356-349

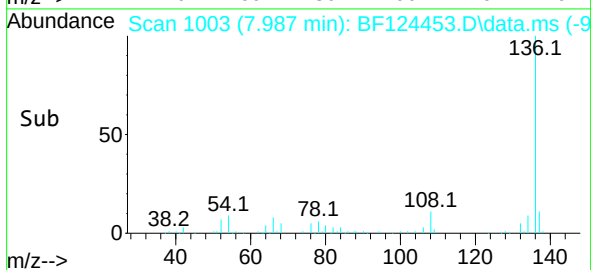
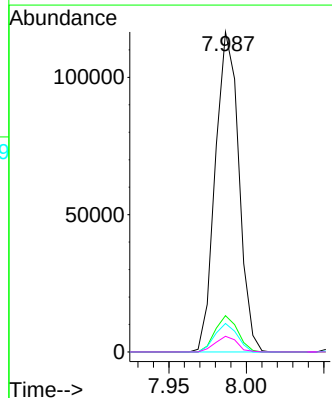
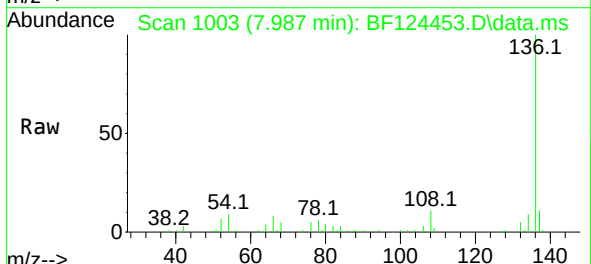


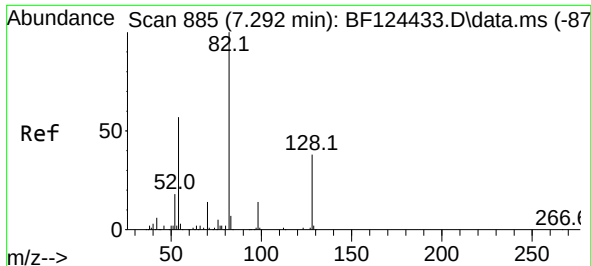
Tgt Ion: 70 Resp: 39348
Ion Ratio Lower Upper
70 100
42 34.9 60.1 90.1#
101 0.0 7.4 11.2#
130 1.5 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.987 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

Tgt Ion: 136 Resp: 123015
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 8.9 9.8 14.6#
68 4.9 4.1 6.1





#23

Nitrobenzene-d5

Concen: 87.825 ng

RT: 7.275 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF124453.D

Acq: 25 Jun 2021 15:55

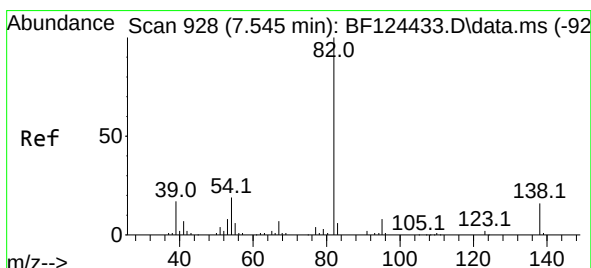
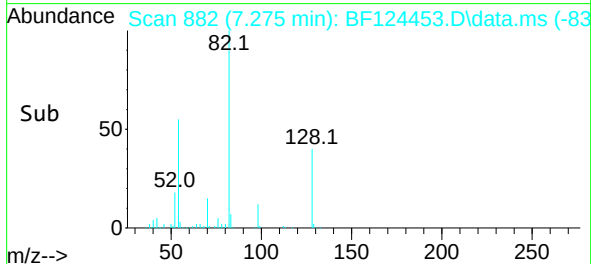
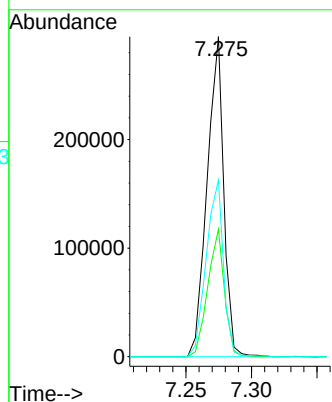
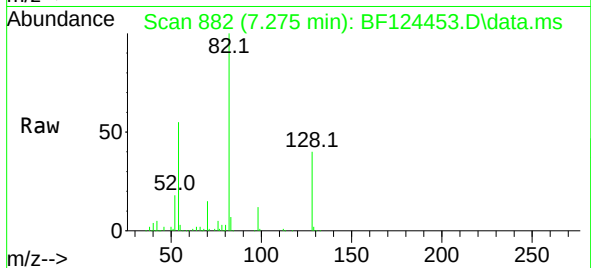
Instrument :

BNA_F

ClientSampleId :

356-349

Tgt Ion:	82	Resp:	260566
Ion	Ratio	Lower	Upper
82	100		
128	39.9	29.4	44.2
54	55.2	54.1	81.1



#25

Isophorone

Concen: 51.081 ng

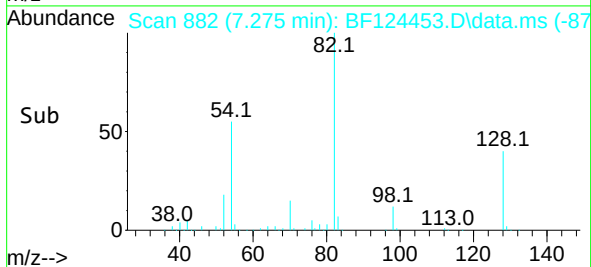
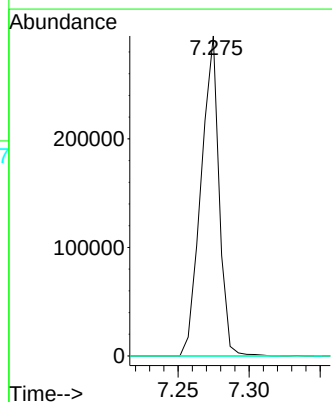
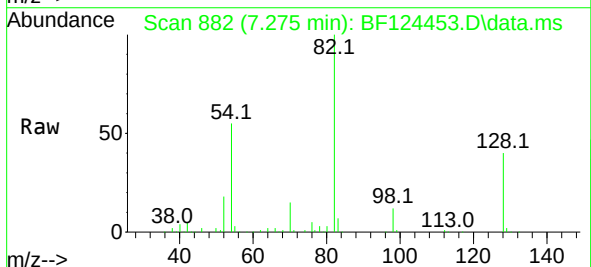
RT: 7.275 min Scan# 882

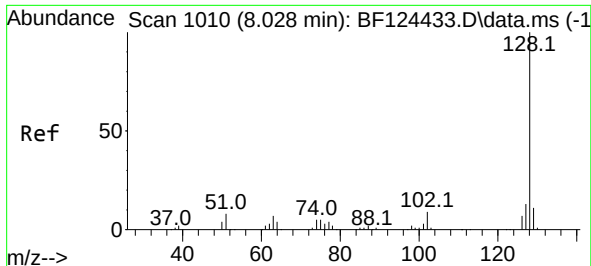
Delta R.T. -0.259 min

Lab File: BF124453.D

Acq: 25 Jun 2021 15:55

Tgt Ion:	82	Resp:	260561
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	11.8	17.8#

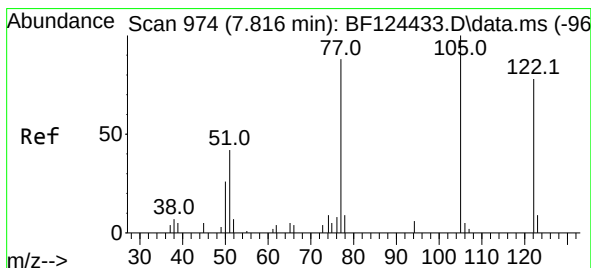
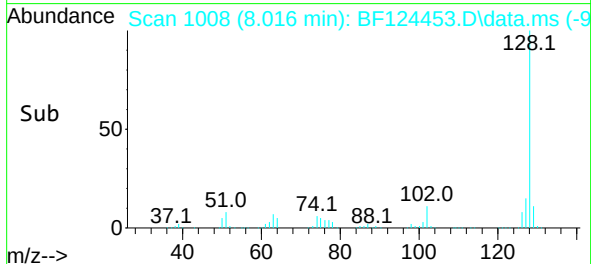
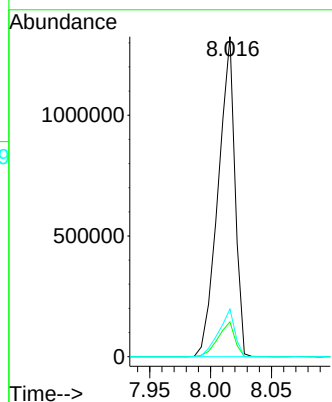
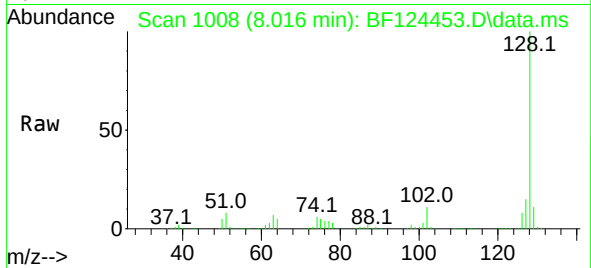




#31
Naphthalene
Concen: 176.071 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.006 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

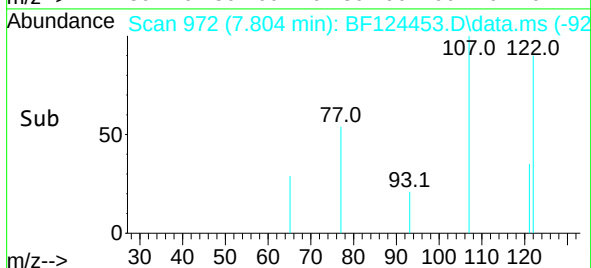
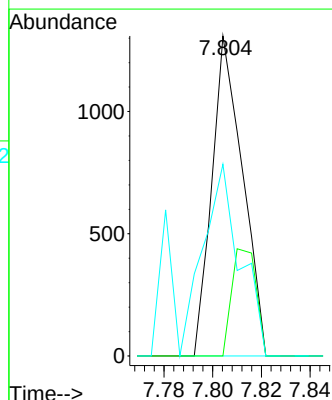
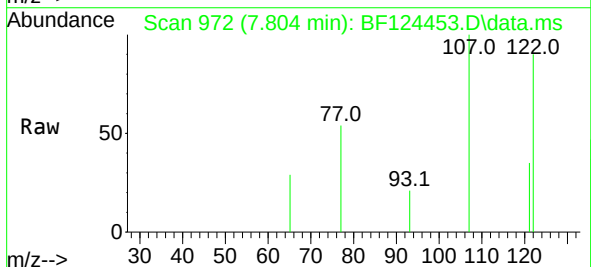
Instrument :
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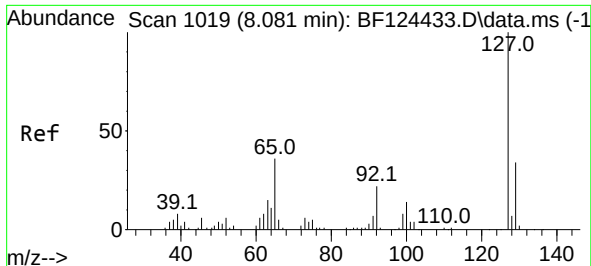
Tgt Ion:128 Resp: 1274294
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 14.9 10.8 16.2



#32
Benzoic acid
Concen: 8.056 ng
RT: 7.804 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

Tgt Ion:122 Resp: 1145
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 59.9 81.6 121.6#

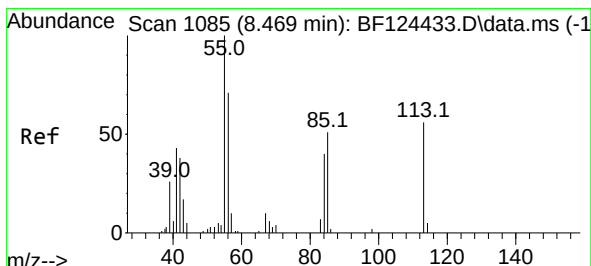
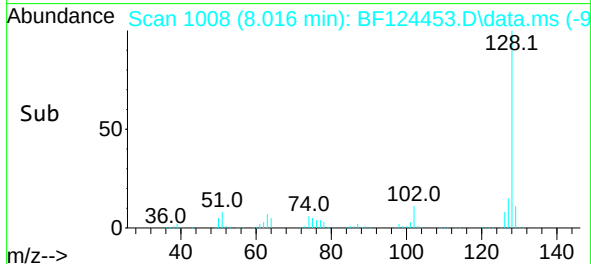
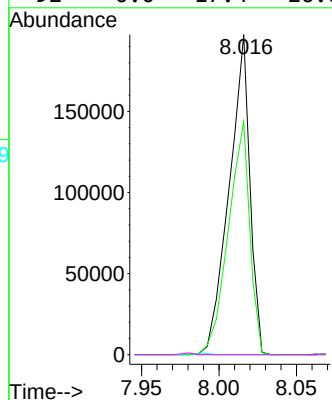
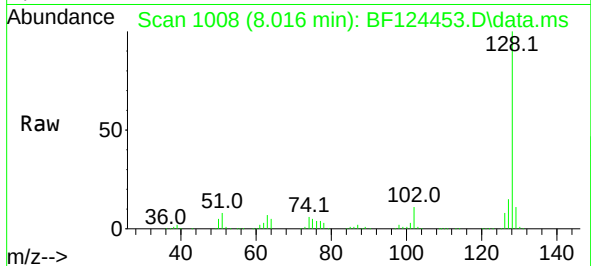




#33
4-Chloroaniline
Concen: 67.576 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.053 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

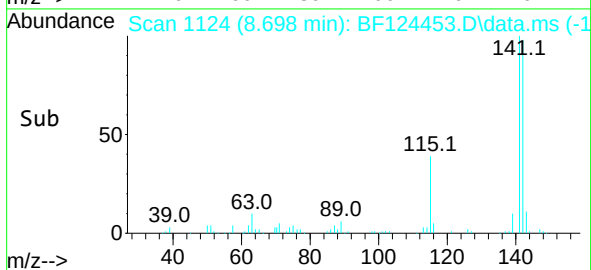
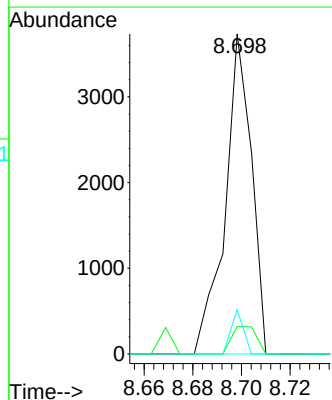
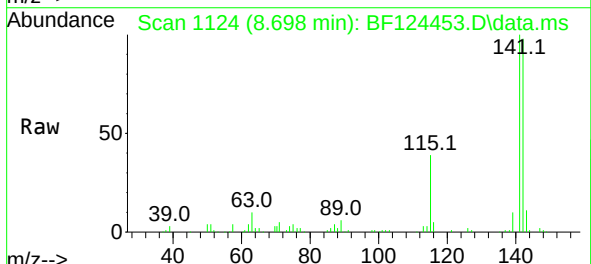
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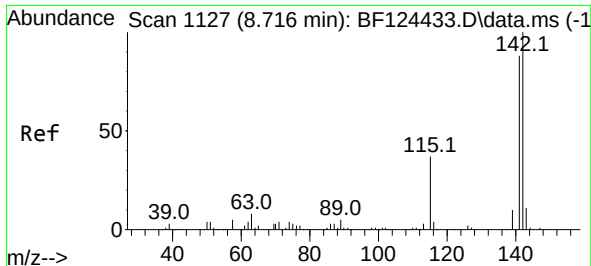
Tgt Ion:127 Resp: 183693
Ion Ratio Lower Upper
127 100
129 72.8 25.7 38.5#
65 0.0 34.5 51.7#
92 0.0 17.4 26.0#



#35
Caprolactam
Concen: 4.686 ng
RT: 8.698 min Scan# 1124
Delta R.T. 0.247 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

Tgt Ion:113 Resp: 2801
Ion Ratio Lower Upper
113 100
55 8.5 254.9 294.9#
56 13.8 179.4 219.4#

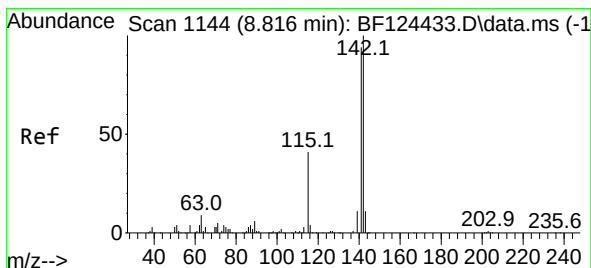
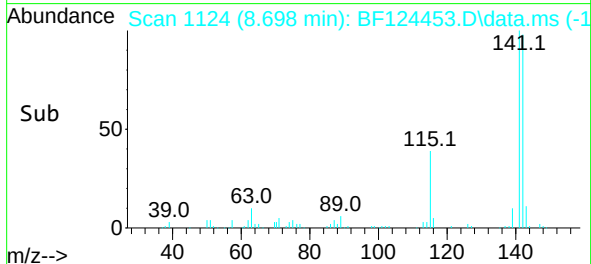
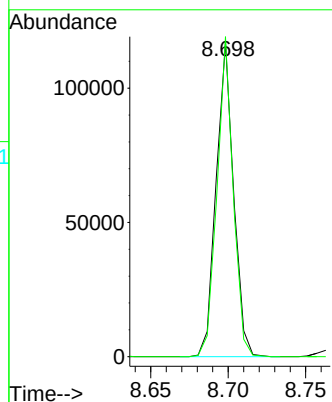
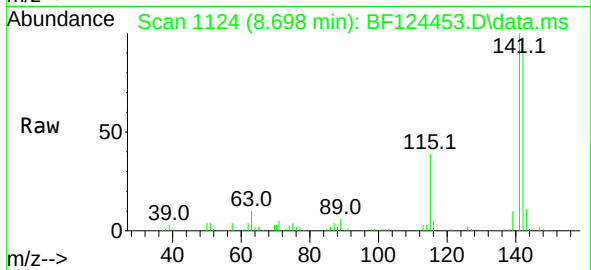




#37
2-Methylnaphthalene
Concen: 17.916 ng
RT: 8.698 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

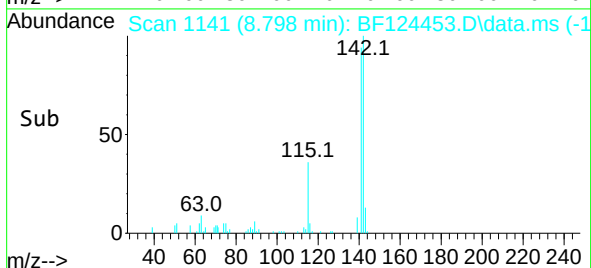
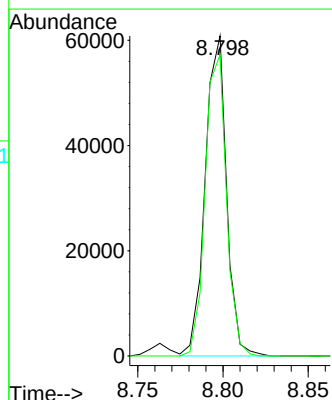
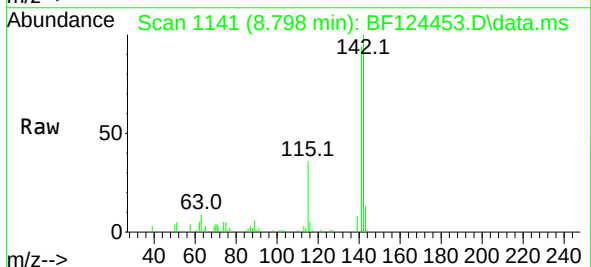
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356-349

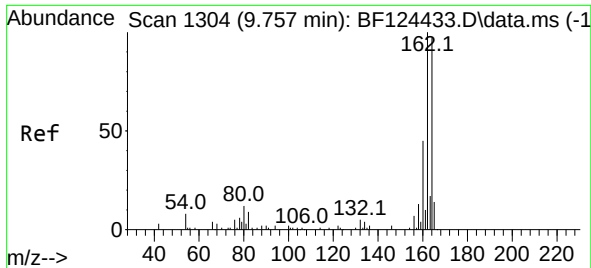
Tgt Ion:142 Resp: 91759
Ion Ratio Lower Upper
142 100
141 101.8 71.8 107.6



#38
1-Methylnaphthalene
Concen: 11.145 ng
RT: 8.798 min Scan# 1141
Delta R.T. 0.000 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

Tgt Ion:142 Resp: 53089
Ion Ratio Lower Upper
142 100
141 94.1 72.8 109.2

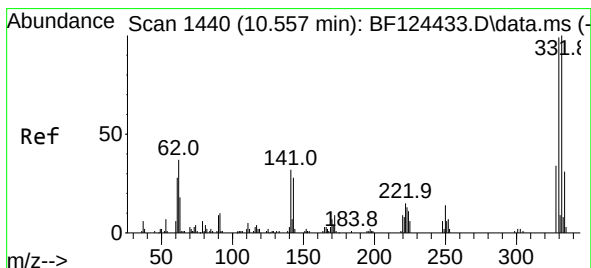
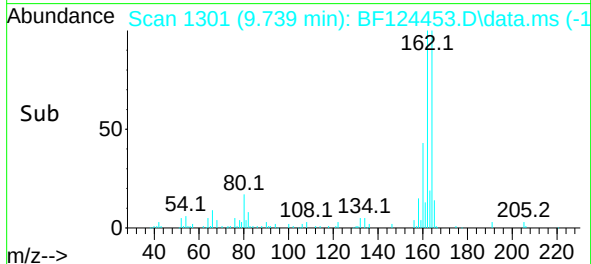
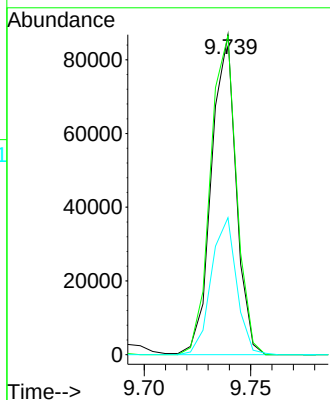
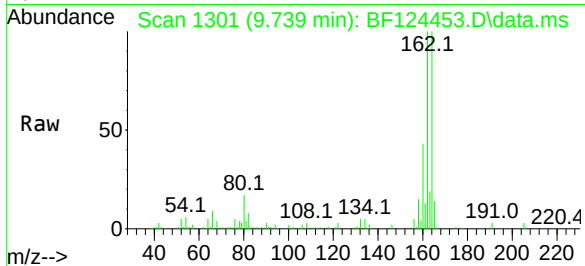




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.739 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

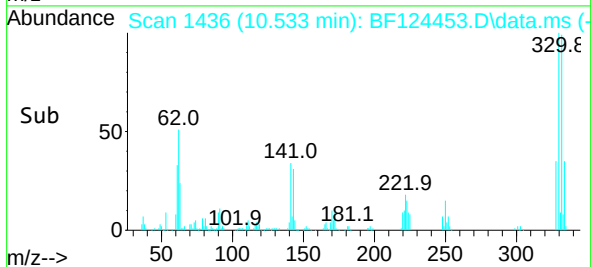
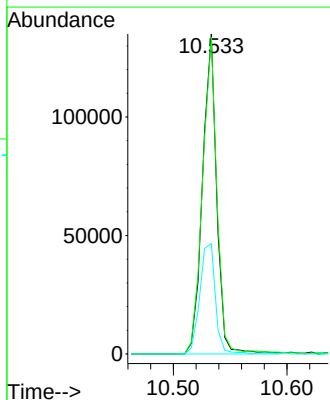
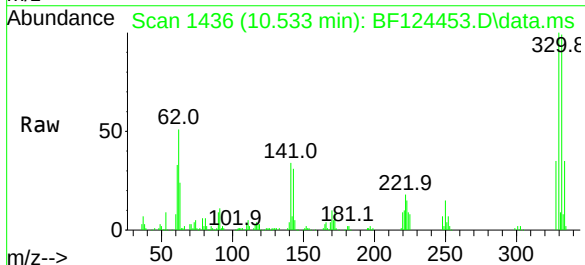
Instrument :
BNA_F
ClientSampleId :
356-349

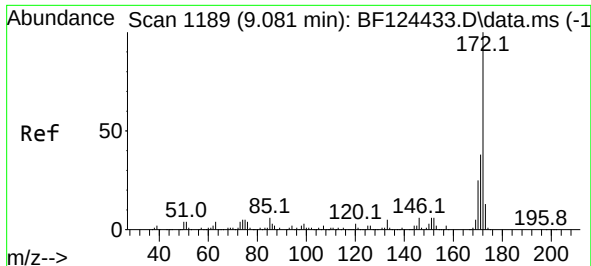
Tgt Ion:164 Resp: 69776
Ion Ratio Lower Upper
164 100
162 99.7 80.7 121.1
160 42.8 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 140.026 ng
RT: 10.533 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

Tgt Ion:330 Resp: 116731
Ion Ratio Lower Upper
330 100
332 102.2 77.1 115.7
141 37.9 27.9 41.9

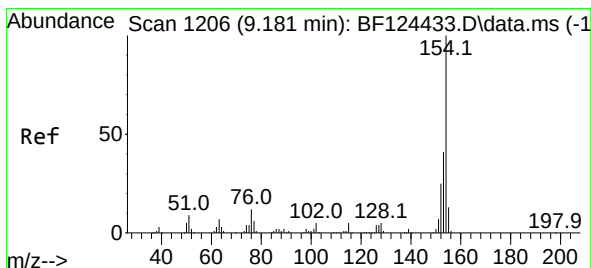
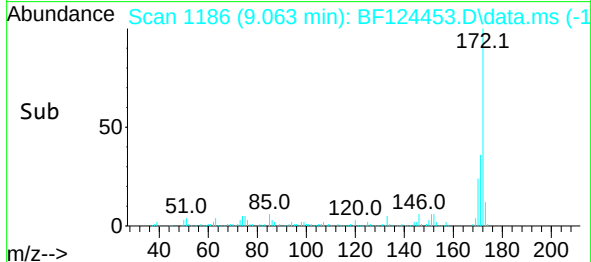
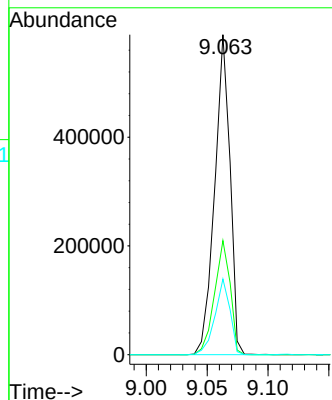
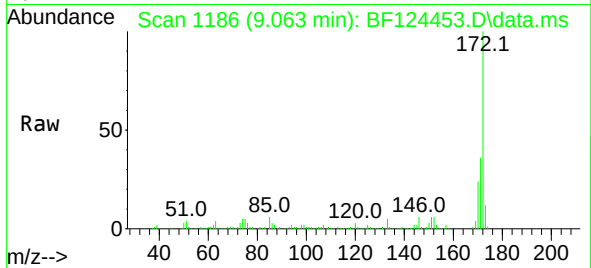




#45
2-Fluorobiphenyl
Concen: 90.225 ng
RT: 9.063 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

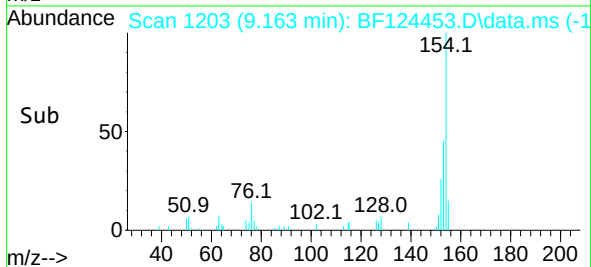
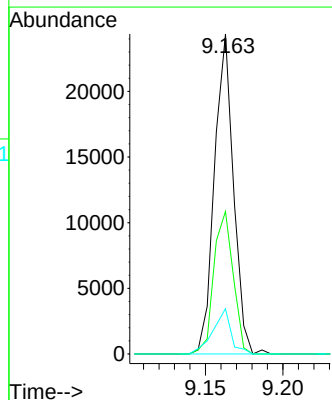
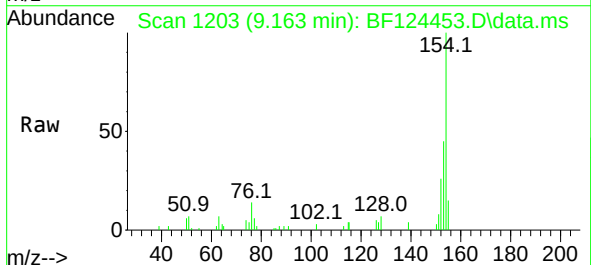
Instrument :
BNA_F
ClientSampleId :
356-349

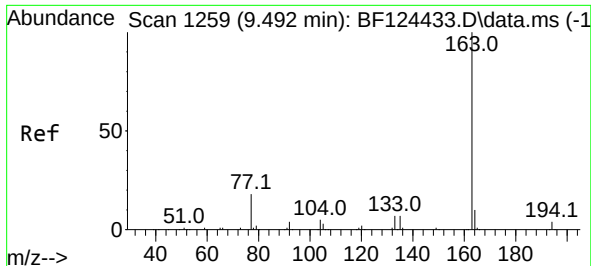
Tgt Ion:172 Resp: 513928
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 23.7 19.2 28.8



#46
1,1'-Biphenyl
Concen: 3.512 ng
RT: 9.163 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

Tgt Ion:154 Resp: 20827
Ion Ratio Lower Upper
154 100
153 44.5 20.7 60.7
76 14.2 0.0 31.7

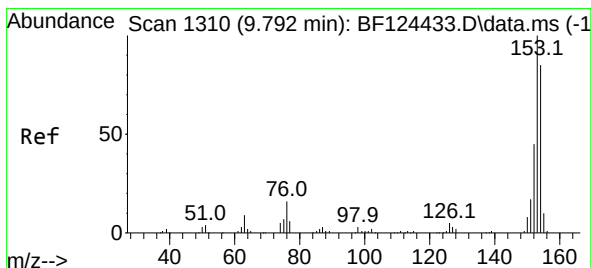
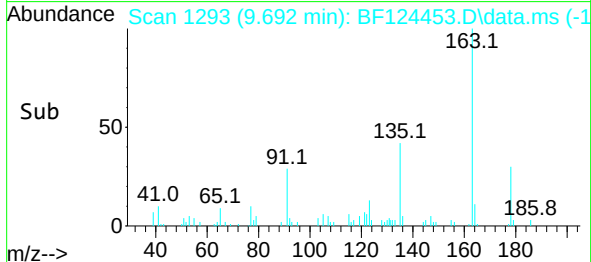
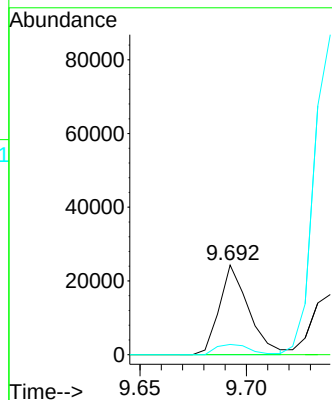
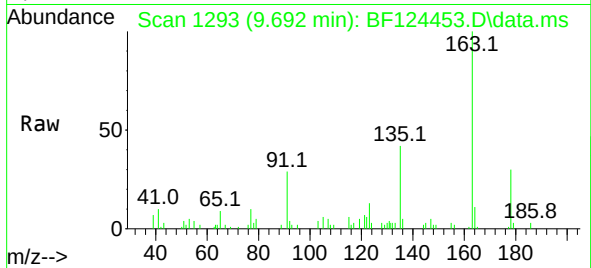




#50
Dimethylphthalate
Concen: 4.210 ng
RT: 9.692 min Scan# 1293
Delta R.T. 0.218 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

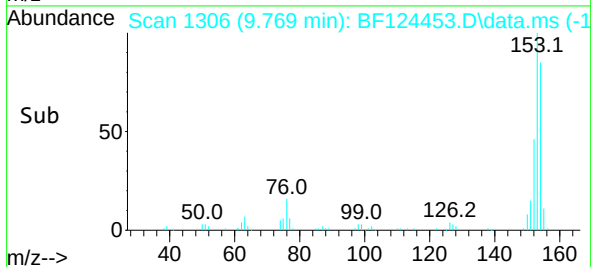
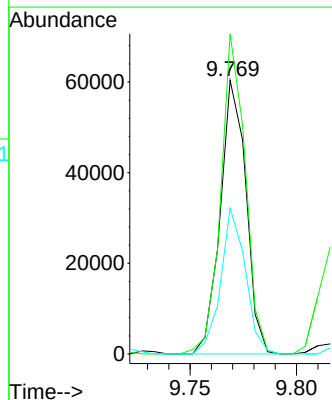
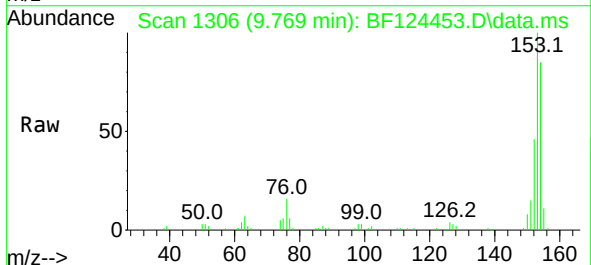
Instrument :
BNA_F
ClientSampleId :
356-349

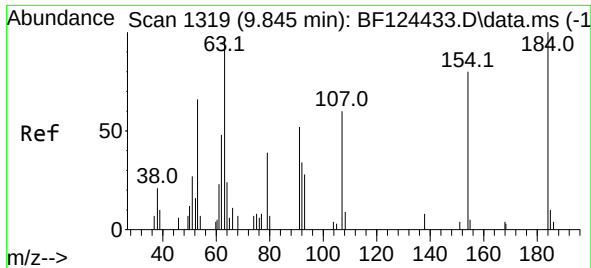
Tgt Ion:163 Resp: 23159
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 11.5 8.2 12.2



#52
Acenaphthene
Concen: 11.378 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

Tgt Ion:154 Resp: 50660
Ion Ratio Lower Upper
154 100
153 117.0 88.1 132.1
152 53.4 43.4 65.0

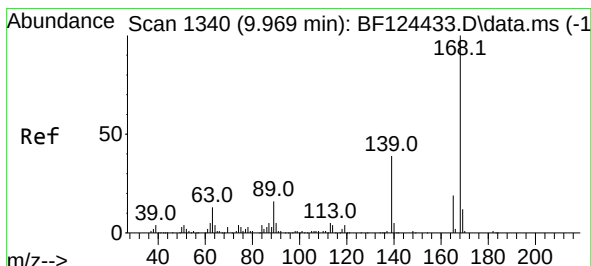
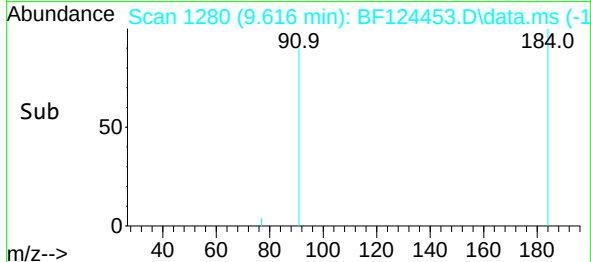
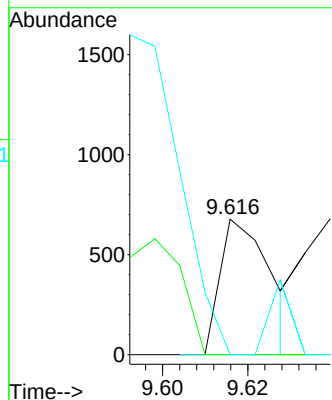
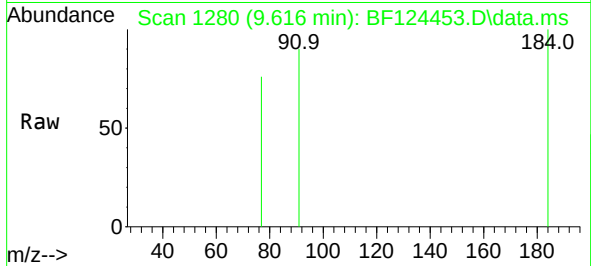




#54
2,4-Dinitrophenol
Concen: 7.057 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.212 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

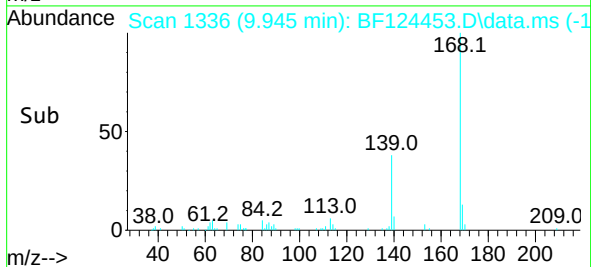
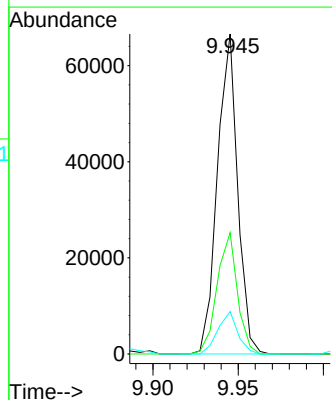
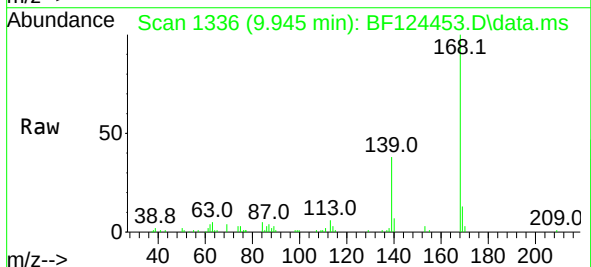
Instrument :
BNA_F
ClientSampled :
356-349

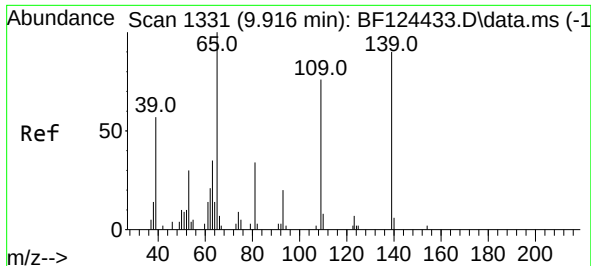
Tgt Ion:184 Resp: 554
Ion Ratio Lower Upper
184 100
63 0.0 73.5 110.3#
154 0.0 52.5 78.7#



#55
Dibenzofuran
Concen: 7.737 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

Tgt Ion:168 Resp: 54906
Ion Ratio Lower Upper
168 100
139 37.9 33.2 49.8
169 13.3 10.8 16.2

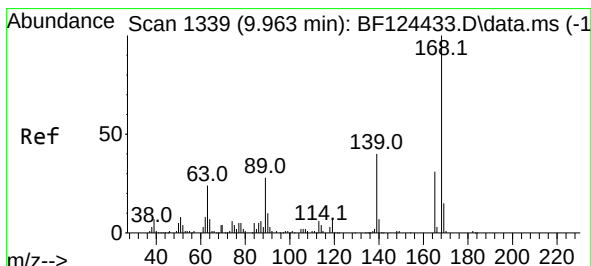
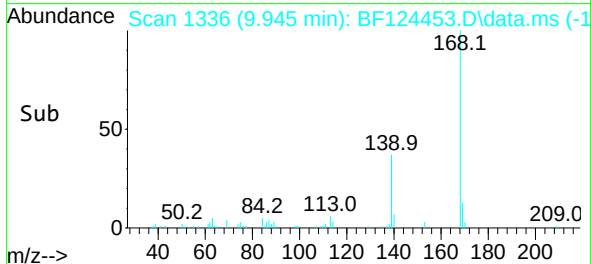
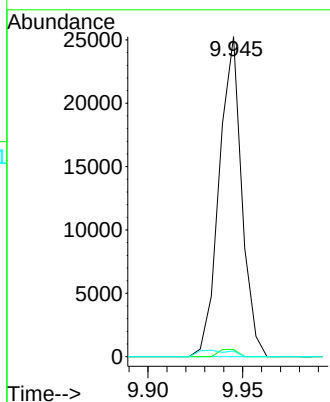
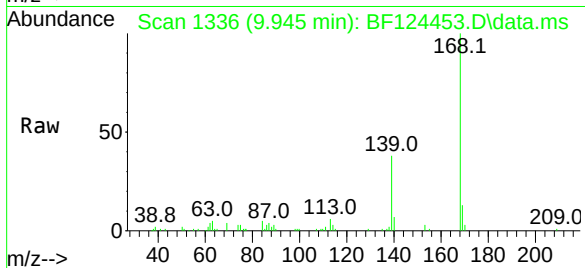




#56
4-Nitrophenol
Concen: 35.400 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.053 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

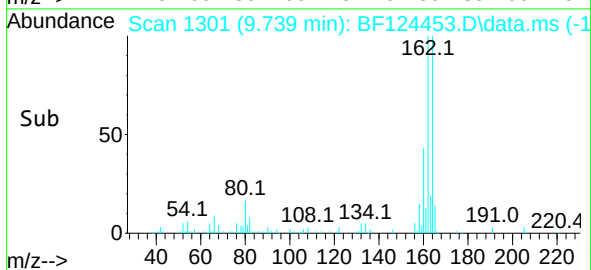
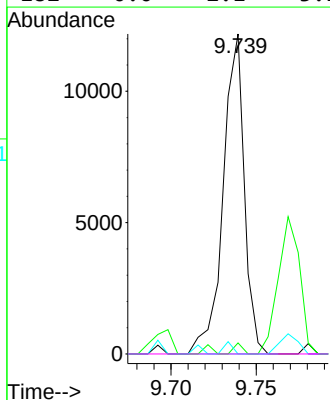
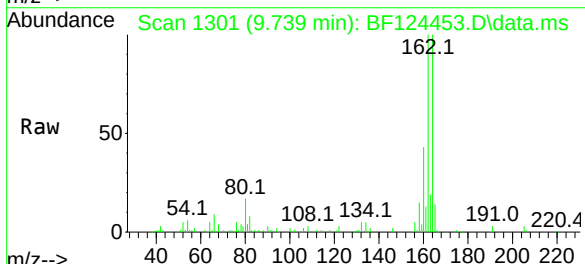
Instrument :
BNA_F
ClientSampled :
356-349

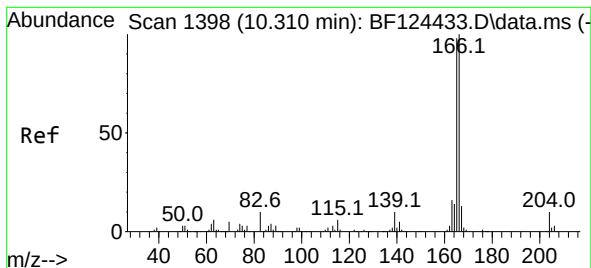
Tgt Ion:139 Resp: 20890
Ion Ratio Lower Upper
139 100
109 2.2 63.2 103.2#
65 1.8 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 6.237 ng
RT: 9.739 min Scan# 1301
Delta R.T. -0.206 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

Tgt Ion:165 Resp: 10506
Ion Ratio Lower Upper
165 100
63 3.5 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

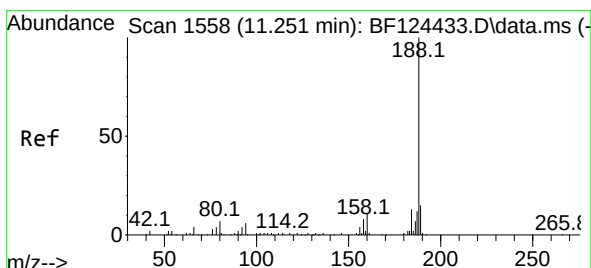
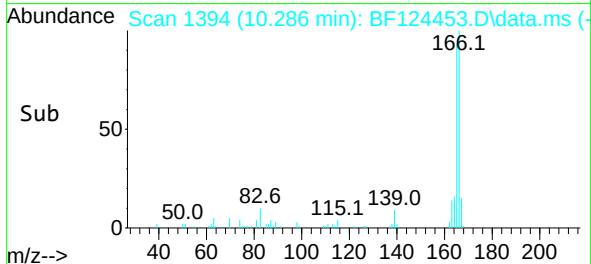
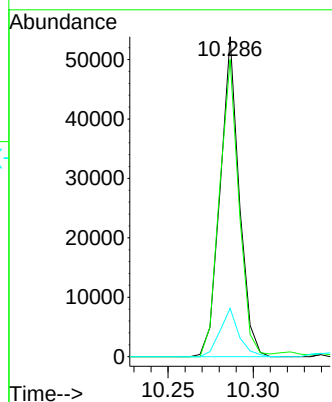
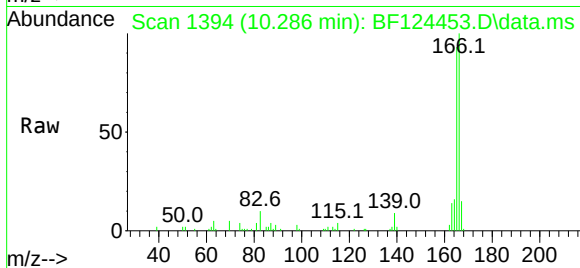




#58
Fluorene
Concen: 7.642 ng
RT: 10.286 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

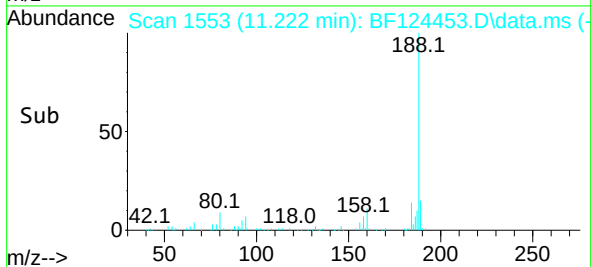
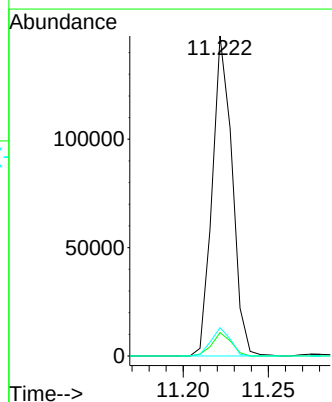
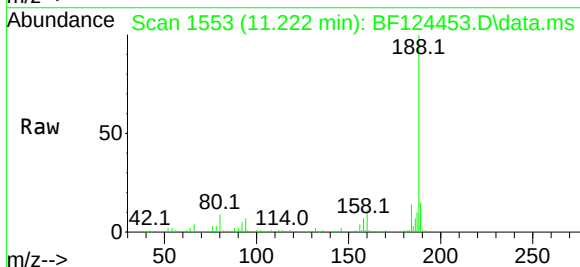
Instrument :
BNA_F
ClientSampleId :
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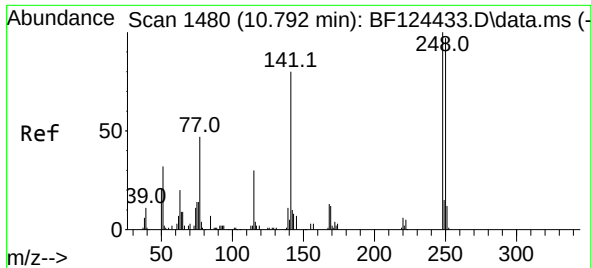
Tgt Ion:166 Resp: 41668
Ion Ratio Lower Upper
166 100
165 92.9 73.5 110.3
167 15.1 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.222 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

Tgt Ion:188 Resp: 119867
Ion Ratio Lower Upper
188 100
94 7.3 6.9 10.3
80 8.8 8.2 12.2

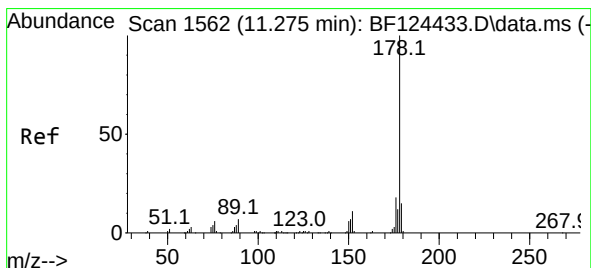
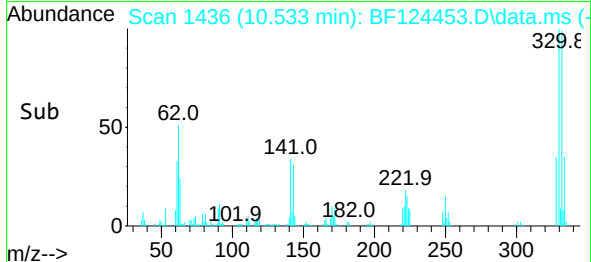
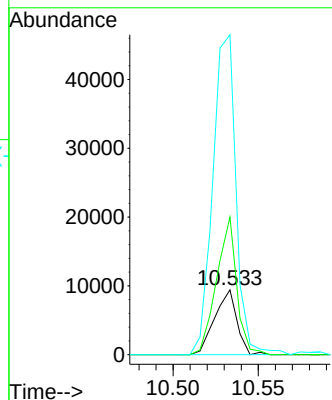
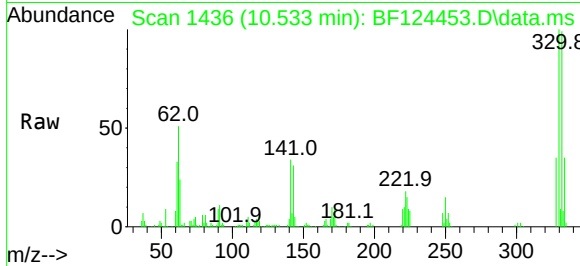




#67
4-Bromophenyl-phenylether
Concen: 5.305 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.235 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

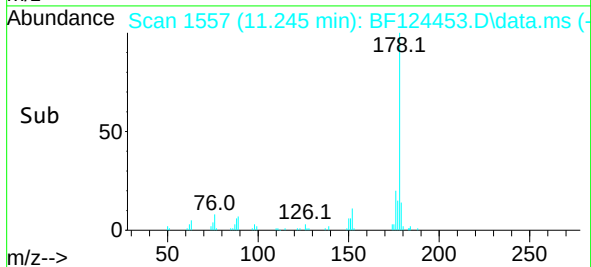
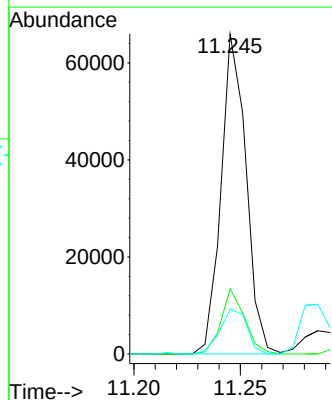
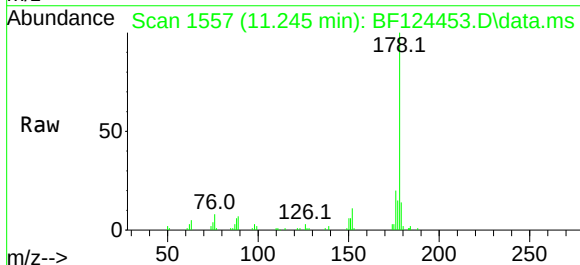
Instrument :
BNA_F
ClientSampleId :
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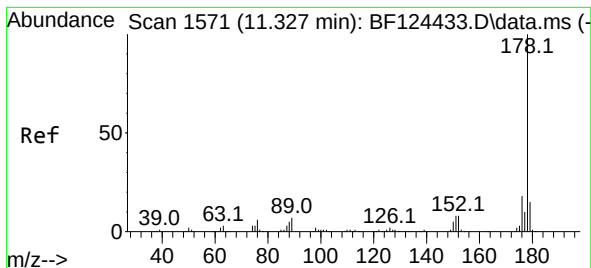
Tgt Ion:248 Resp: 8555
Ion Ratio Lower Upper
248 100
250 212.5 77.4 116.2#
141 493.7 63.7 95.5#



#71
Phenanthrene
Concen: 7.120 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

Tgt Ion:178 Resp: 53801
Ion Ratio Lower Upper
178 100
176 20.4 15.6 23.4
179 14.1 12.5 18.7

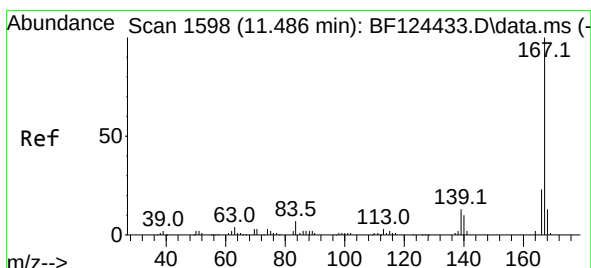
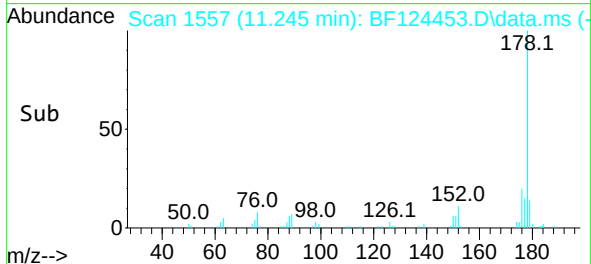
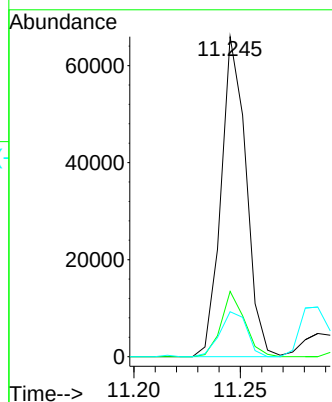
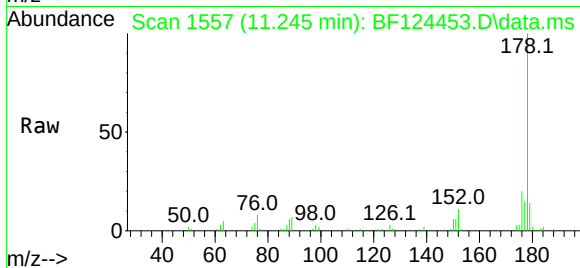




#72
 Anthracene
 Concen: 7.146 ng
 RT: 11.245 min Scan# 1557
 Delta R.T. -0.059 min
 Lab File: BF124453.D
 Acq: 25 Jun 2021 15:55

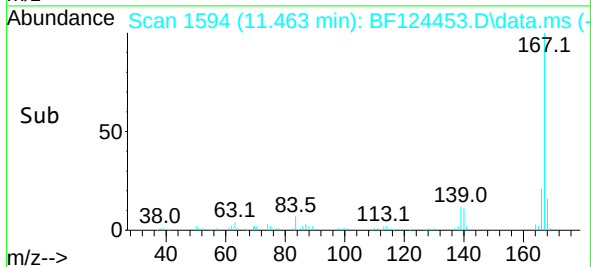
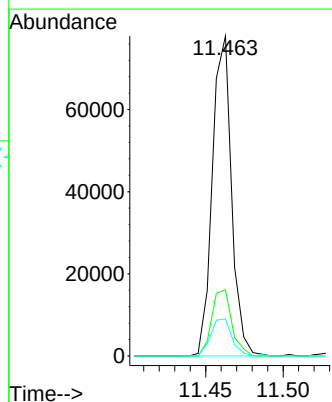
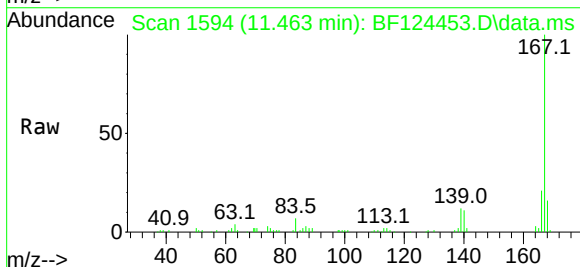
Instrument :
 BNA_F
 ClientSampleId :
 356-349

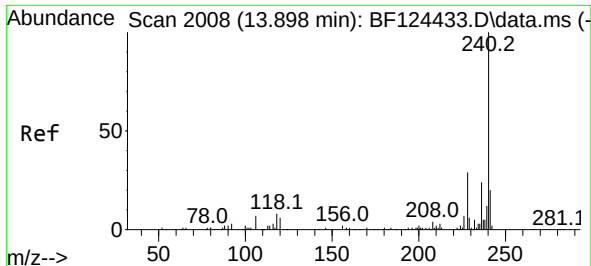
Tgt Ion:178 Resp: 53801
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.4 23.0
 179 14.1 12.6 18.8



#73
 Carbazole
 Concen: 10.202 ng
 RT: 11.463 min Scan# 1594
 Delta R.T. 0.000 min
 Lab File: BF124453.D
 Acq: 25 Jun 2021 15:55

Tgt Ion:167 Resp: 66942
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.0 25.6
 139 11.6 10.4 15.6

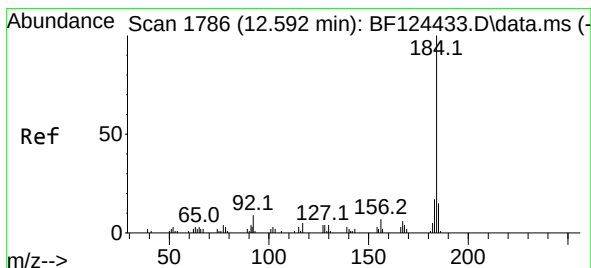
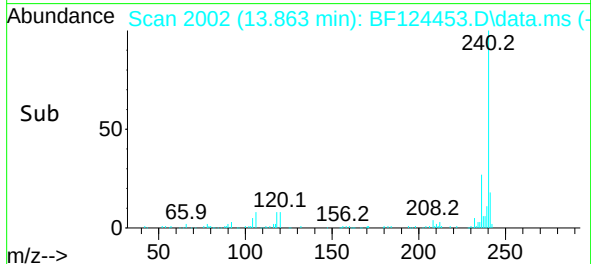
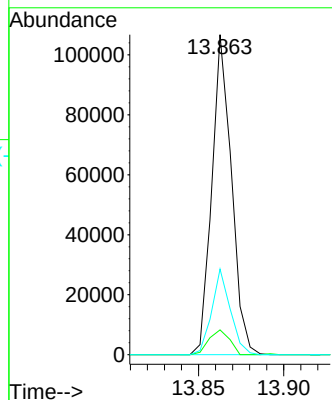
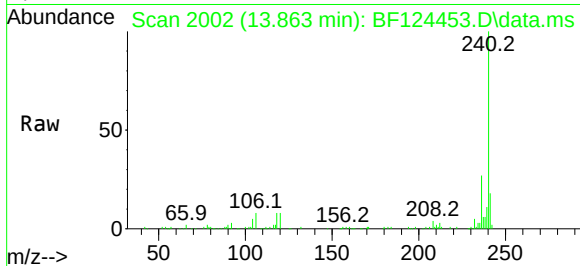




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

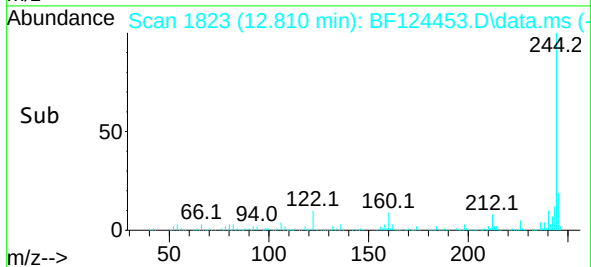
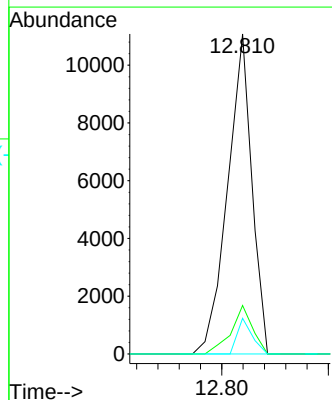
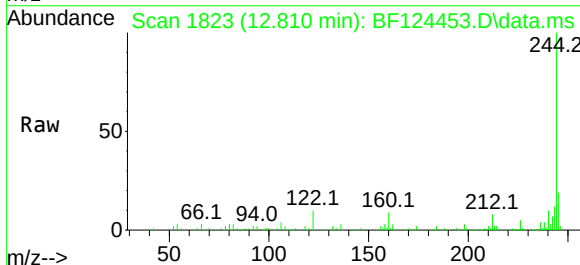
Instrument :
BNA_F
ClientSampleId :
356-349

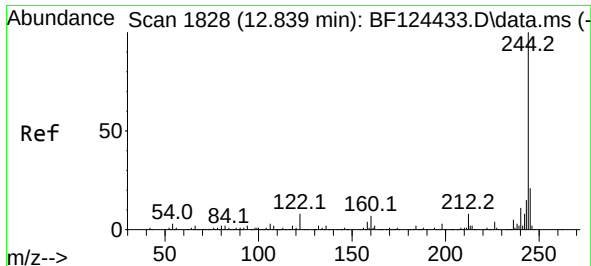
Tgt Ion:240 Resp: 85400
Ion Ratio Lower Upper
240 100
120 7.8 7.2 10.8
236 26.8 19.0 28.4



#77
Benzidine
Concen: 5.119 ng
RT: 12.810 min Scan# 1823
Delta R.T. 0.247 min
Lab File: BF124453.D
Acq: 25 Jun 2021 15:55

Tgt Ion:184 Resp: 8761
Ion Ratio Lower Upper
184 100
185 15.2 12.1 18.1
183 11.1 7.8 11.8

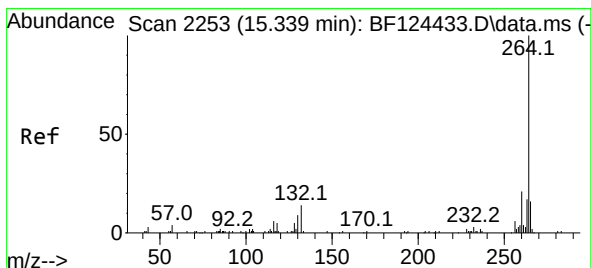
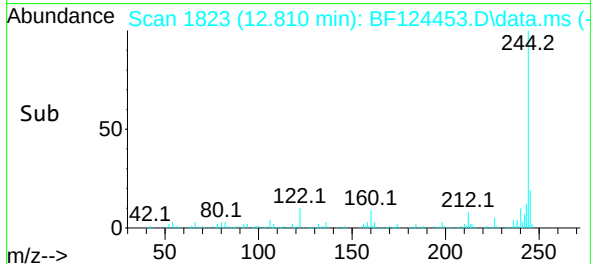
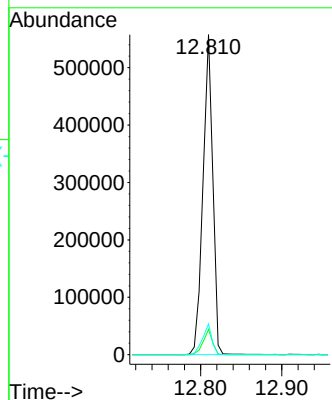
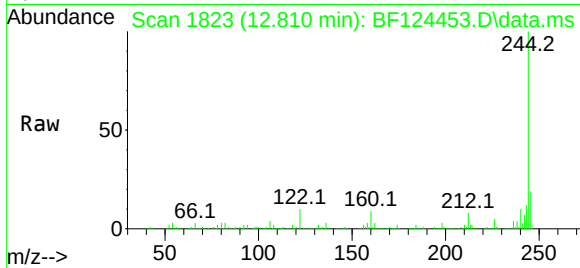




#79
 Terphenyl-d14
 Concen: 82.095 ng
 RT: 12.810 min Scan# 1823
 Delta R.T. 0.000 min
 Lab File: BF124453.D
 Acq: 25 Jun 2021 15:55

Instrument :
 BNA_F
 ClientSampleId :
 356-349

Tgt Ion:244 Resp: 468084
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.7 8.5
 122 9.6 9.7 14.5#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.292 min Scan# 2245
 Delta R.T. 0.000 min
 Lab File: BF124453.D
 Acq: 25 Jun 2021 15:55

Tgt Ion:264 Resp: 91324
 Ion Ratio Lower Upper
 264 100
 260 19.9 18.7 28.1
 265 21.4 17.8 26.8

