

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062521\
 Data File : BF124454.D
 Acq On : 25 Jun 2021 16:27
 Operator : JU/CG
 Sample : M2812-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 293-347

Quant Time: Jun 25 16:55:17 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)

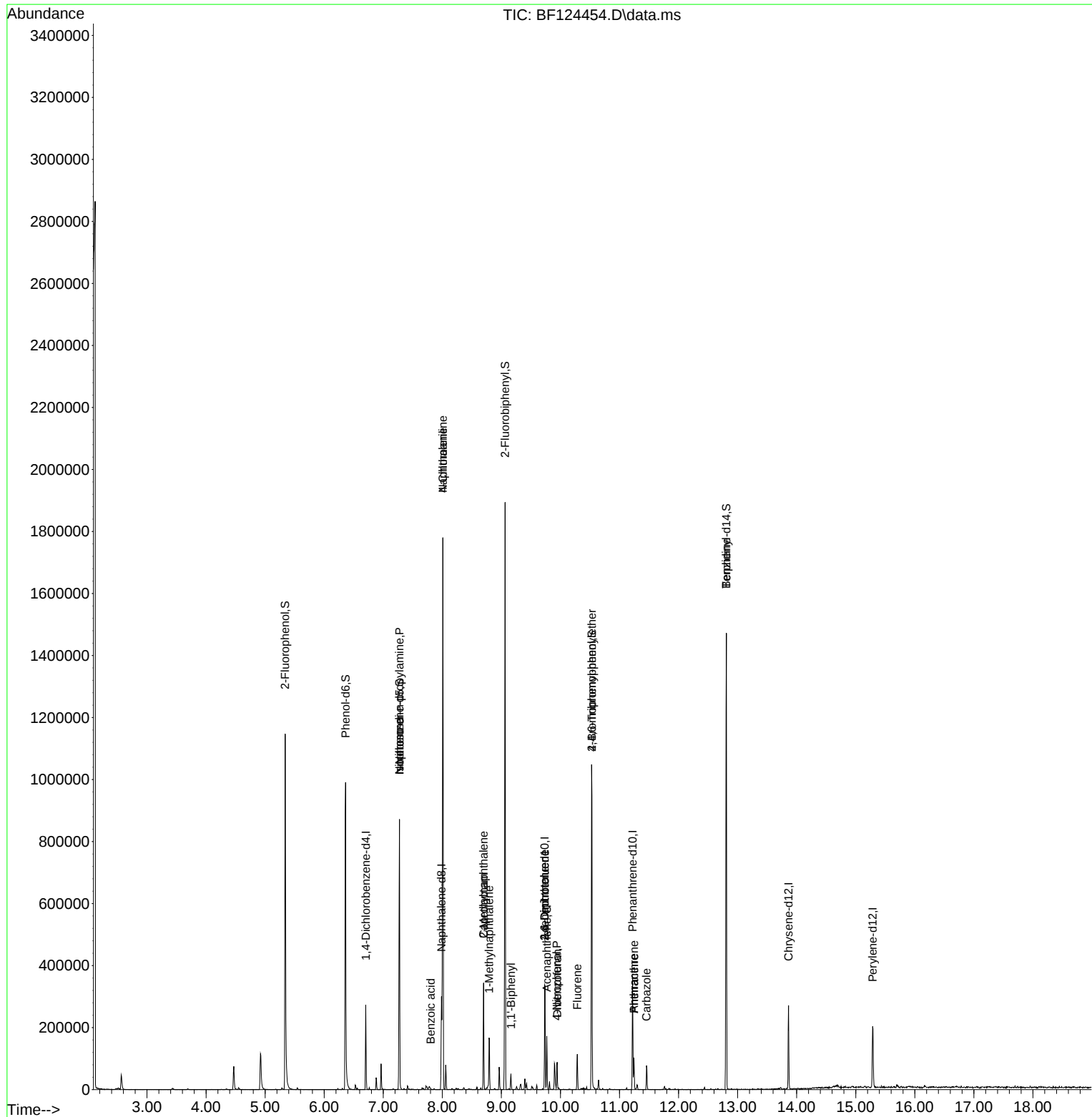
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.704	152	32950	20.000	ng	0.00
21) Naphthalene-d8	7.986	136	121126	20.000	ng	# 0.00
39) Acenaphthene-d10	9.733	164	69684	20.000	ng	0.00
64) Phenanthrene-d10	11.222	188	111726	20.000	ng	0.00
76) Chrysene-d12	13.863	240	80581	20.000	ng	0.00
86) Perylene-d12	15.286	264	80401	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	264802	126.389	ng	0.01
7) Phenol-d6	6.363	99	308981	112.948	ng	0.00
23) Nitrobenzene-d5	7.275	82	252441	86.413	ng	0.00
42) 2,4,6-Tribromophenol	10.533	330	116050	139.393	ng	0.00
45) 2-Fluorobiphenyl	9.063	172	497924	87.531	ng	0.00
79) Terphenyl-d14	12.810	244	443764	82.484	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.275	70	35484	19.288	ng	# 60
25) Isophorone	7.275	82	252439	50.261	ng	# 69
31) Naphthalene	8.010	128	693549	97.323	ng	98
32) Benzoic acid	7.804	122	1160	8.081	ng	# 18
33) 4-Chloroaniline	8.010	127	100079	37.391	ng	# 35
35) Caprolactam	8.698	113	2081	3.536	ng	# 1
37) 2-Methylnaphthalene	8.698	142	70013	13.884	ng	96
38) 1-Methylnaphthalene	8.792	142	43825	9.343	ng	96
46) 1,1'-Biphenyl	9.163	154	15217	2.569	ng	94
51) 2,6-Dinitrotoluene	9.733	165	8789	6.925	ng	# 12
52) Acenaphthene	9.769	154	30706	6.906	ng	90
55) Dibenzofuran	9.945	168	31763	4.482	ng	90
56) 4-Nitrophenol	9.939	139	11770	19.972	ng	# 1
57) 2,4-Dinitrotoluene	9.733	165	8789	5.225	ng	# 18
58) Fluorene	10.286	166	26549	4.875	ng	86
67) 4-Bromophenyl-phenylether	10.533	248	8274	5.505	ng	# 1
71) Phenanthrene	11.245	178	33302	4.728	ng	98
72) Anthracene	11.245	178	33302	4.746	ng	97
73) Carbazole	11.457	167	28760	4.702	ng	# 97
77) Benzidine	12.810	184	7859	4.866	ng	# 92

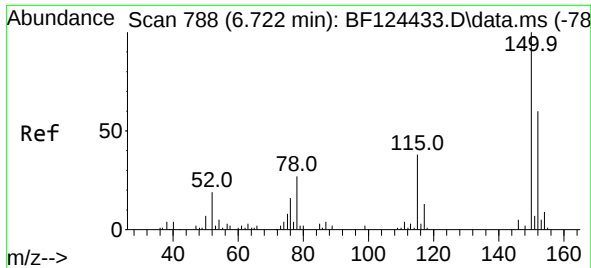
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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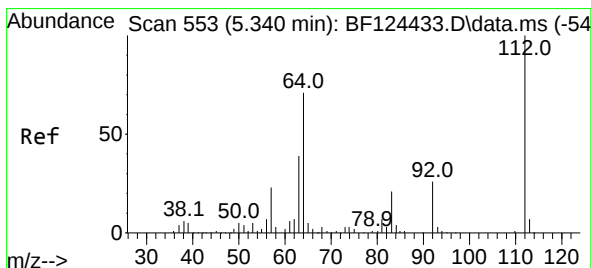
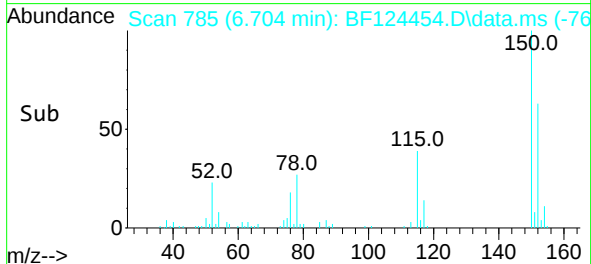
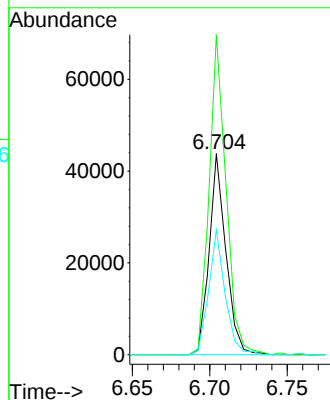
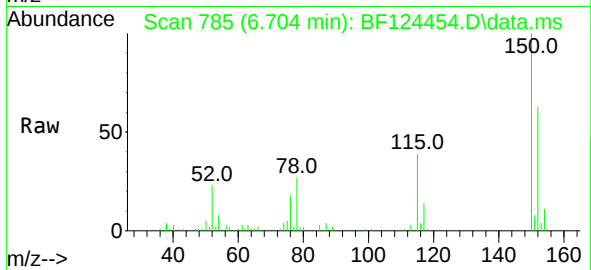




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.704 min Scan# 785
Delta R.T. 0.000 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

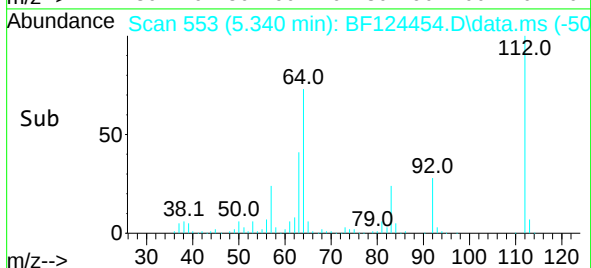
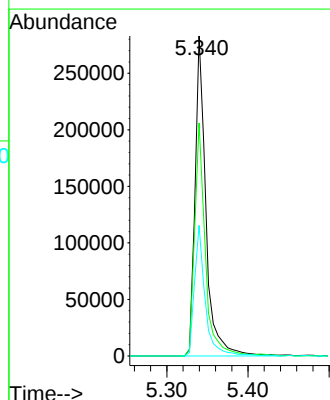
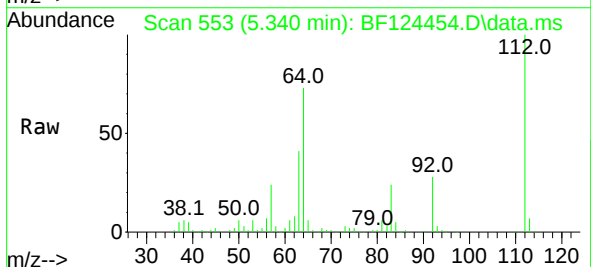
Instrument :
BNA_F
ClientSampleId :
293-347

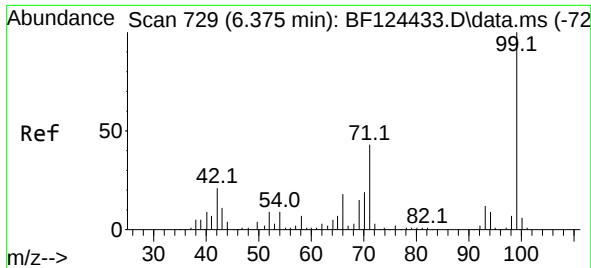
Tgt Ion:152 Resp: 32950
Ion Ratio Lower Upper
152 100
150 159.1 127.0 190.6
115 62.0 54.3 81.5



#5
2-Fluorophenol
Concen: 126.389 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.012 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

Tgt Ion:112 Resp: 264802
Ion Ratio Lower Upper
112 100
64 72.8 61.4 92.0
63 40.8 33.0 49.4

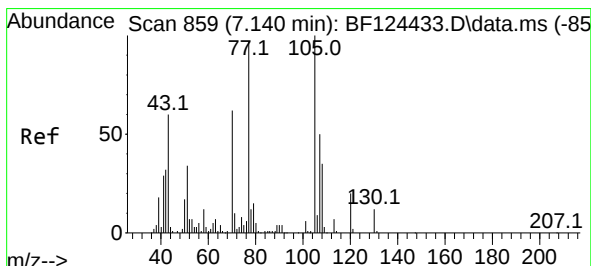
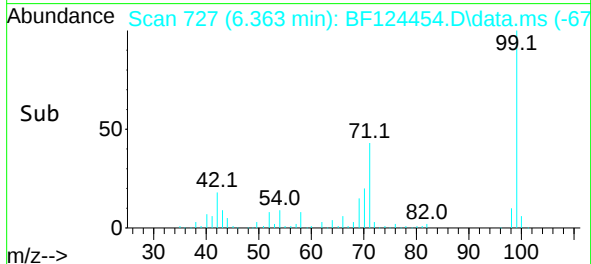
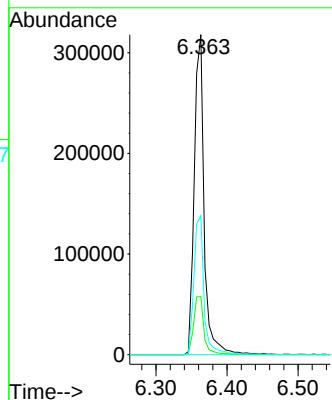
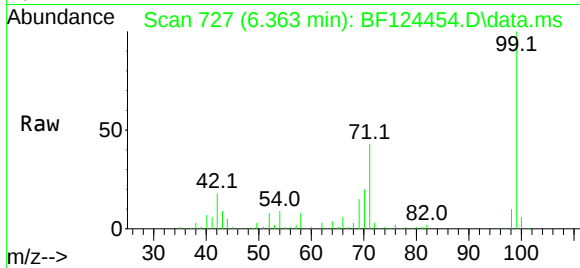




#7
Phenol-d6
Concen: 112.948 ng
RT: 6.363 min Scan# 727
Delta R.T. 0.000 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

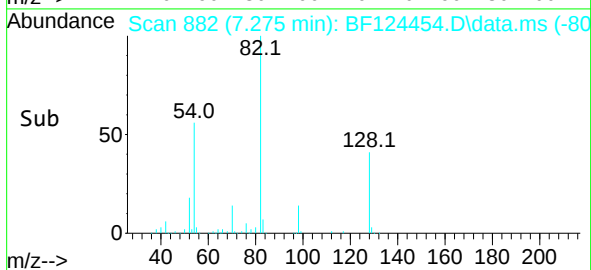
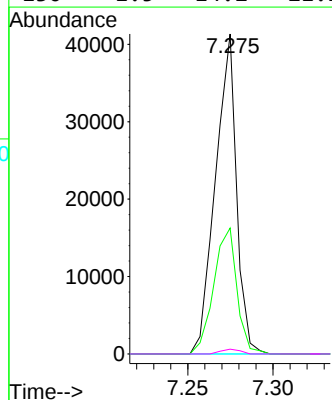
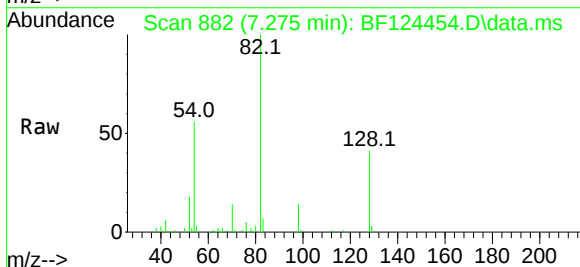
Instrument :
BNA_F
ClientSampled :
293-347

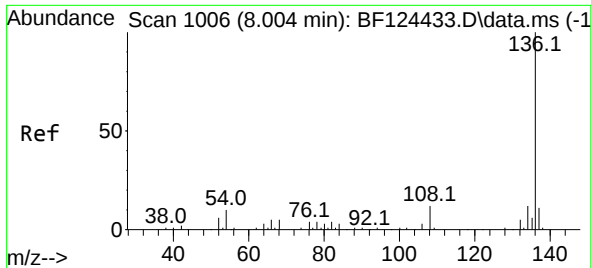
Tgt Ion: 99 Resp: 308981
Ion Ratio Lower Upper
99 100
42 18.2 19.8 29.8#
71 43.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 19.288 ng
RT: 7.275 min Scan# 882
Delta R.T. 0.147 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

Tgt Ion: 70 Resp: 35484
Ion Ratio Lower Upper
70 100
42 39.3 60.1 90.1#
101 0.0 7.4 11.2#
130 1.5 14.2 21.2#

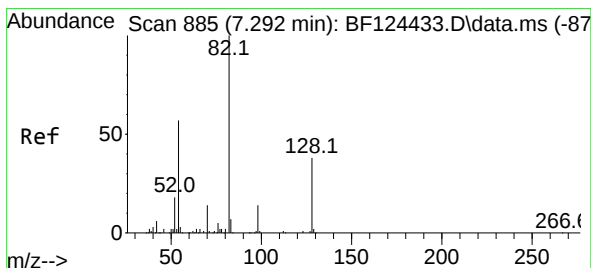
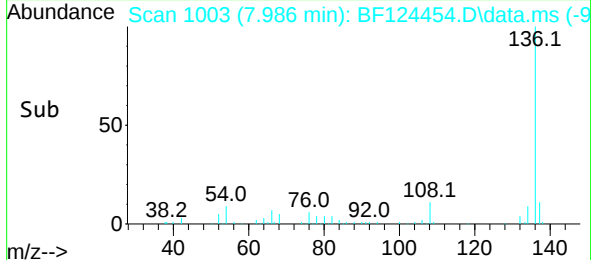
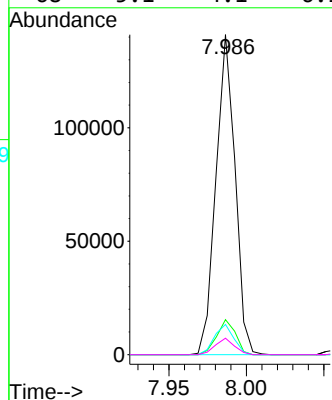
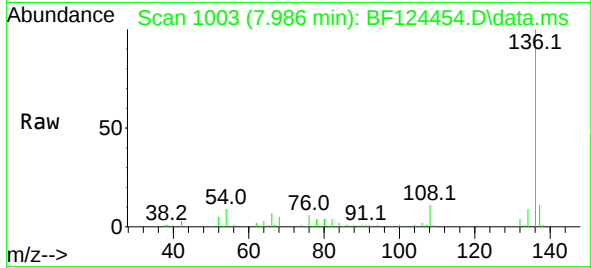




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.986 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

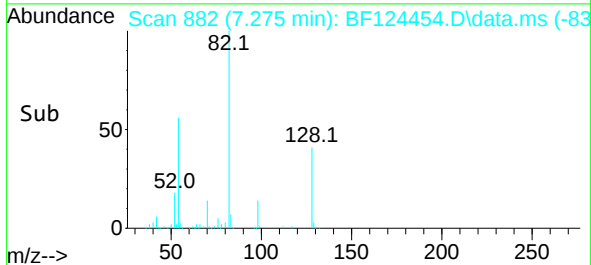
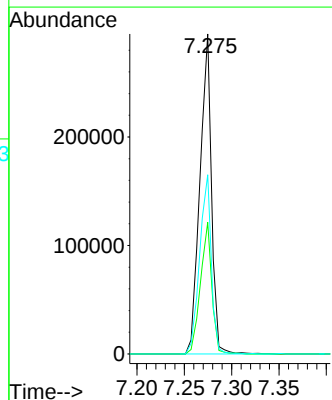
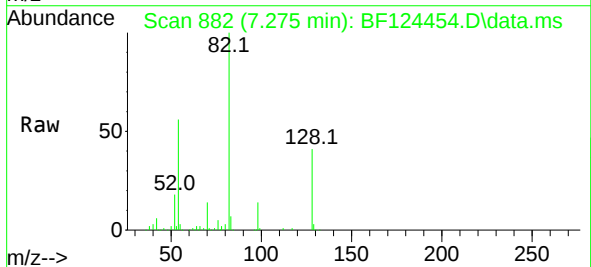
Instrument :
BNA_F
ClientSampleId :
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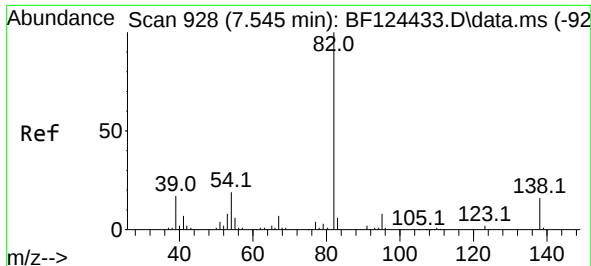
Tgt Ion:136	Resp:	121126
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.7 13.1
54	9.5	9.8 14.6#
68	5.1	4.1 6.1



#23
Nitrobenzene-d5
Concen: 86.413 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

Tgt Ion: 82	Resp:	252441
Ion Ratio	Lower	Upper
82	100	
128	41.1	29.4 44.2
54	56.0	54.1 81.1

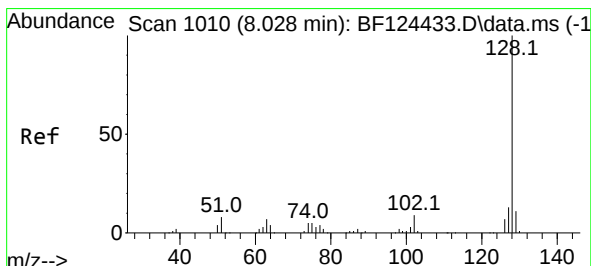
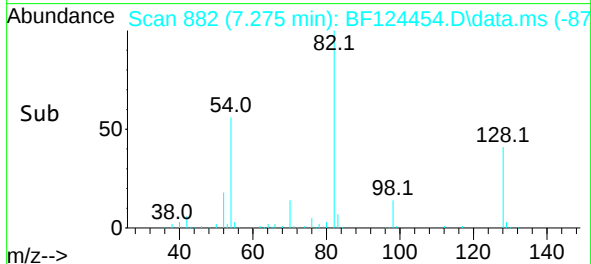
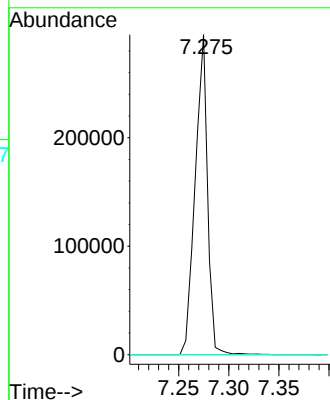
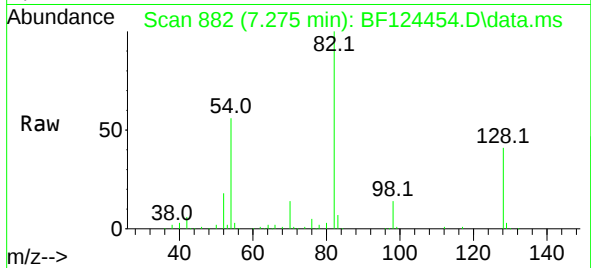




#25
Isophorone
Concen: 50.261 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.259 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

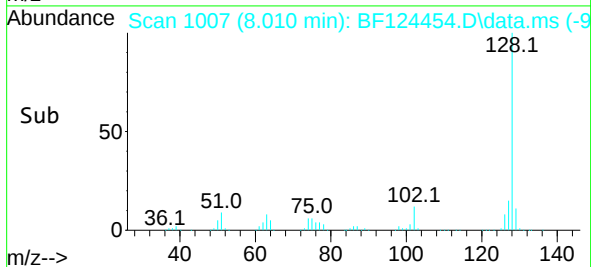
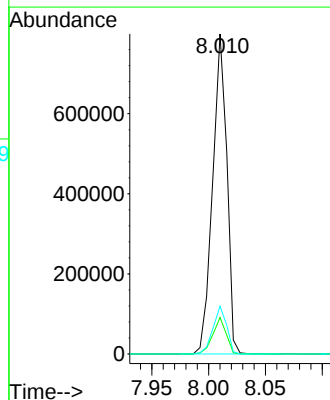
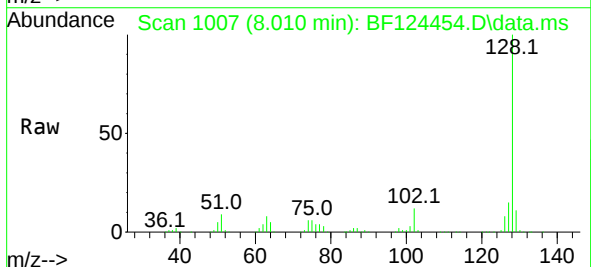
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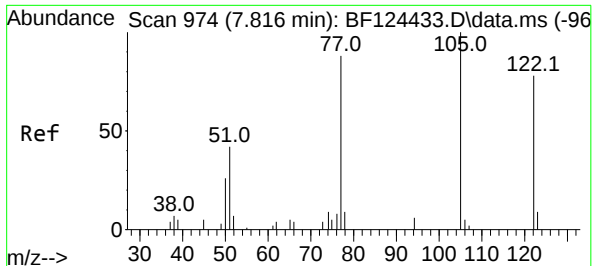
Tgt Ion: 82 Resp: 252439
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#31
Naphthalene
Concen: 97.323 ng
RT: 8.010 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

Tgt Ion: 128 Resp: 693549
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 14.9 10.8 16.2

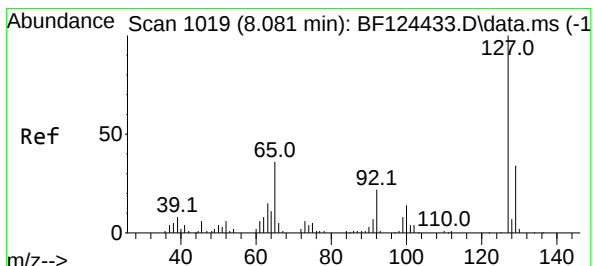
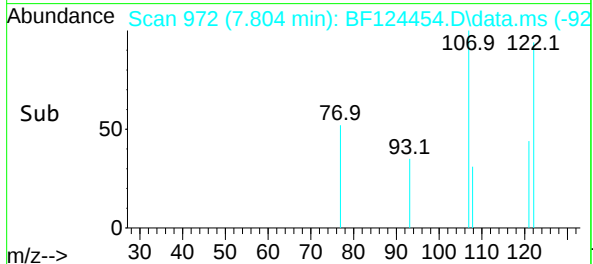
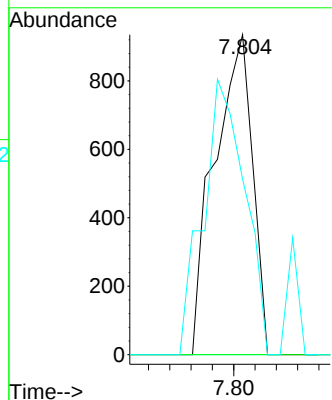
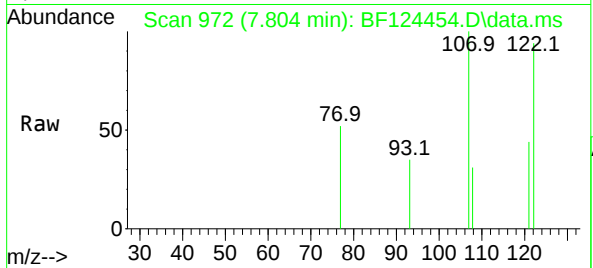




#32
Benzoic acid
Concen: 8.081 ng
RT: 7.804 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

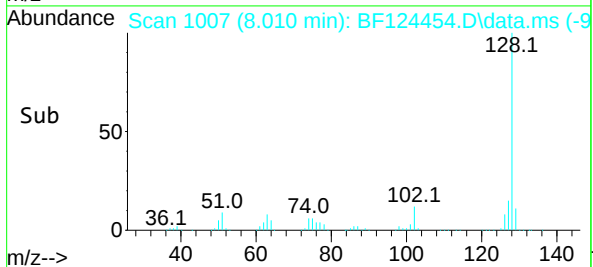
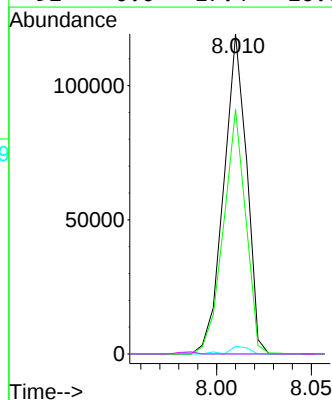
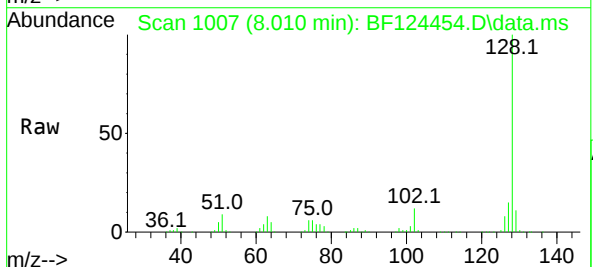
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293-347

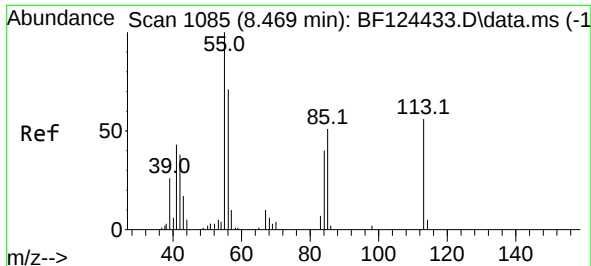
Tgt Ion:122 Resp: 1160
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 54.9 81.6 121.6#



#33
4-Chloroaniline
Concen: 37.391 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.059 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

Tgt Ion:127 Resp: 100079
Ion Ratio Lower Upper
127 100
129 76.4 25.7 38.5#
65 2.4 34.5 51.7#
92 0.0 17.4 26.0#

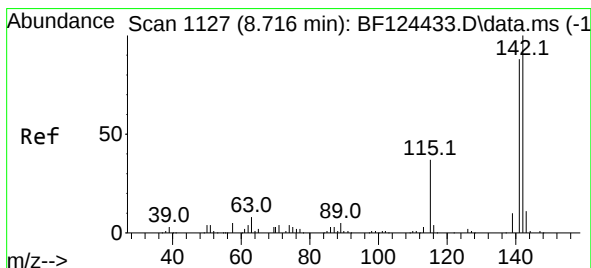
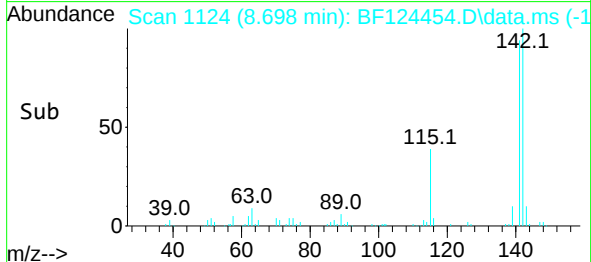
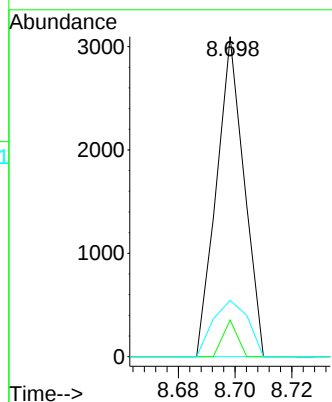
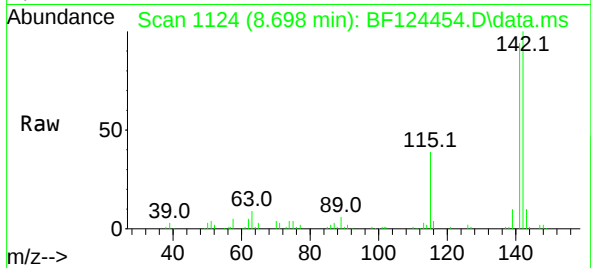




#35
Caprolactam
Concen: 3.536 ng
RT: 8.698 min Scan# 1124
Delta R.T. 0.247 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

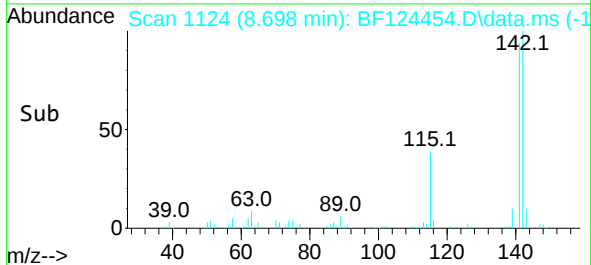
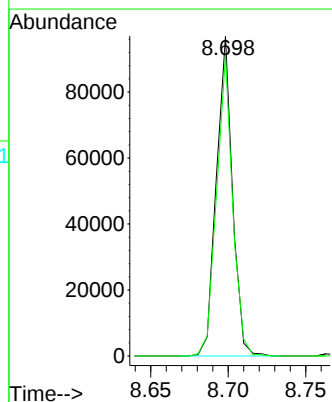
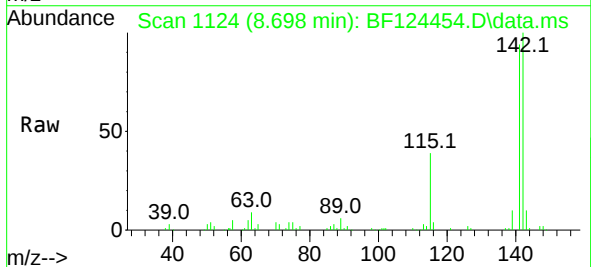
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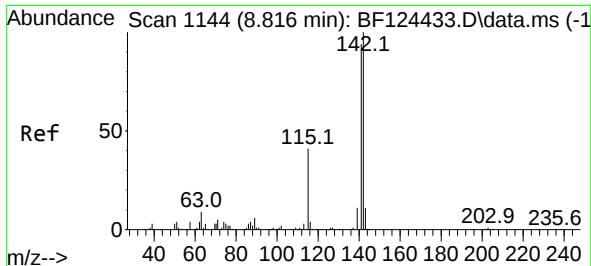
Tgt Ion:113 Resp: 2081
Ion Ratio Lower Upper
113 100
55 11.5 254.9 294.9#
56 39.2 179.4 219.4#



#37
2-Methylnaphthalene
Concen: 13.884 ng
RT: 8.698 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

Tgt Ion:142 Resp: 70013
Ion Ratio Lower Upper
142 100
141 93.9 71.8 107.6

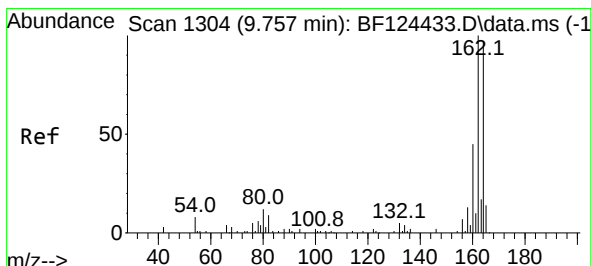
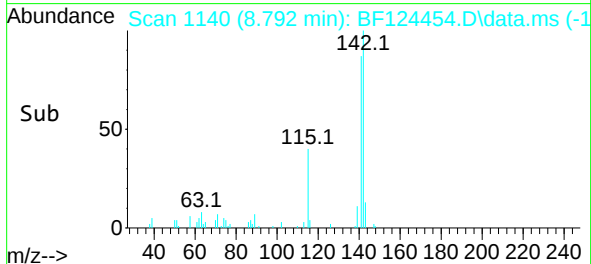
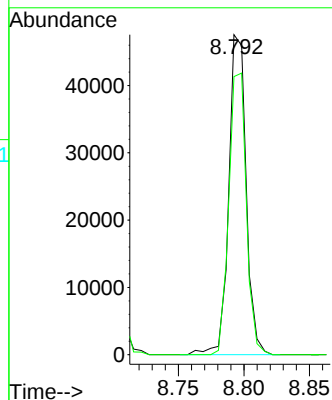
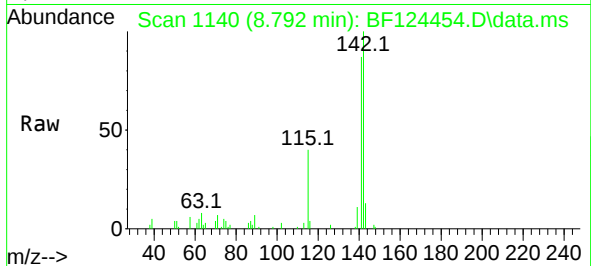




#38
1-Methylnaphthalene
Concen: 9.343 ng
RT: 8.792 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

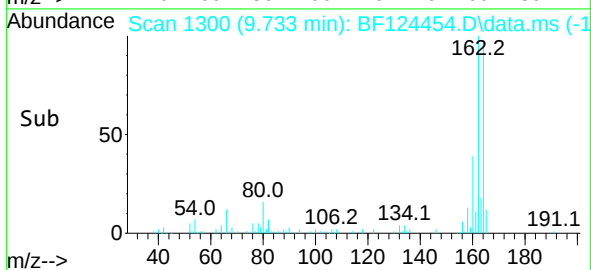
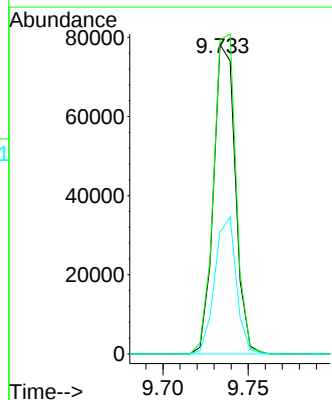
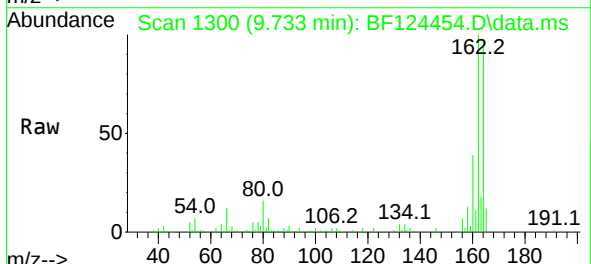
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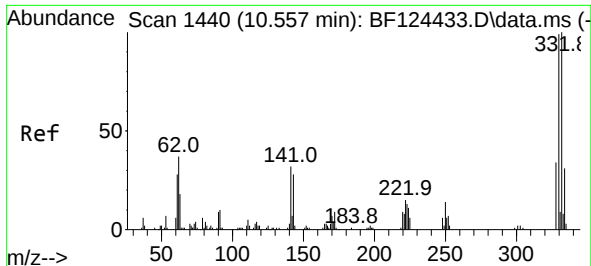
Tgt Ion:142 Resp: 43825
Ion Ratio Lower Upper
142 100
141 86.9 72.8 109.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.733 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

Tgt Ion:164 Resp: 69684
Ion Ratio Lower Upper
164 100
162 101.6 80.7 121.1
160 39.4 37.3 55.9

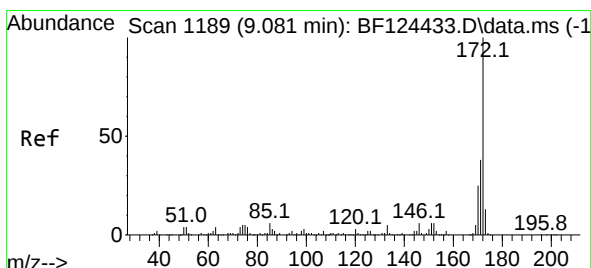
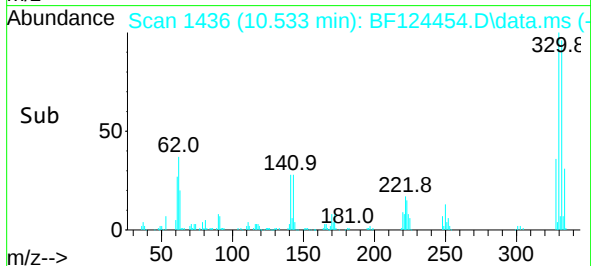
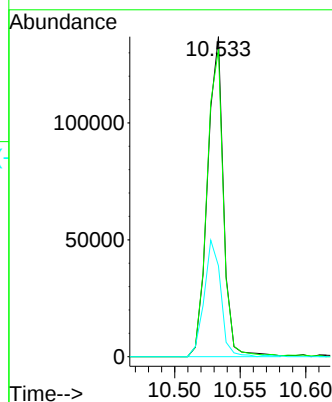
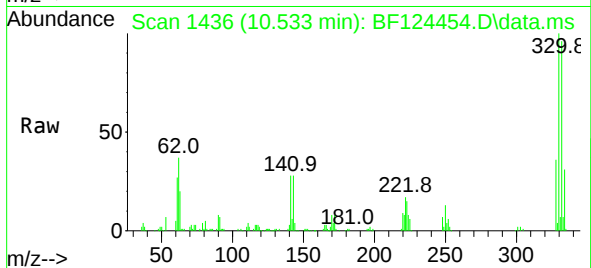




#42
2,4,6-Tribromophenol
Concen: 139.393 ng
RT: 10.533 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

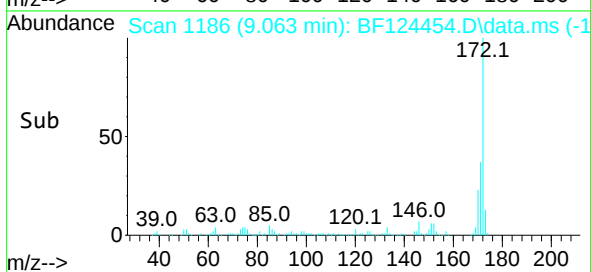
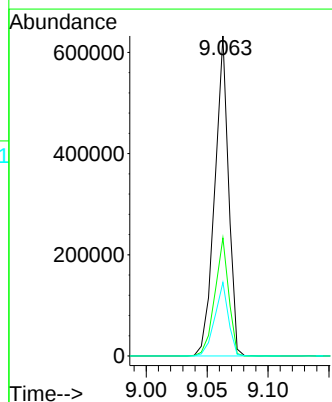
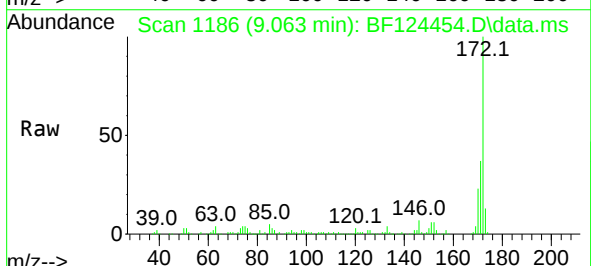
Instrument :
BNA_F
ClientSampled :
293-347

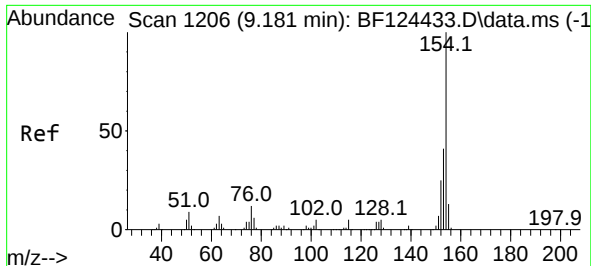
Tgt Ion:330 Resp: 116050
Ion Ratio Lower Upper
330 100
332 99.2 77.1 115.7
141 37.8 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 87.531 ng
RT: 9.063 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

Tgt Ion:172 Resp: 497924
Ion Ratio Lower Upper
172 100
171 36.9 28.1 42.1
170 23.0 19.2 28.8

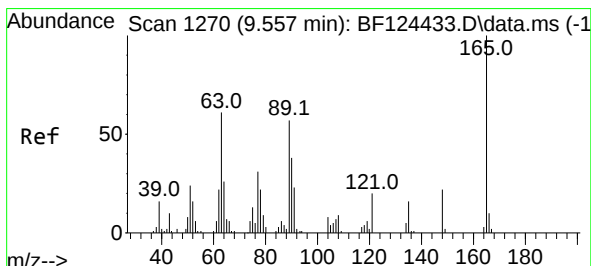
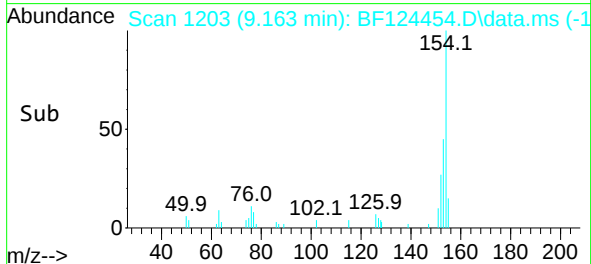
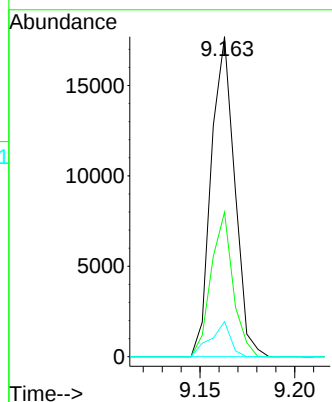
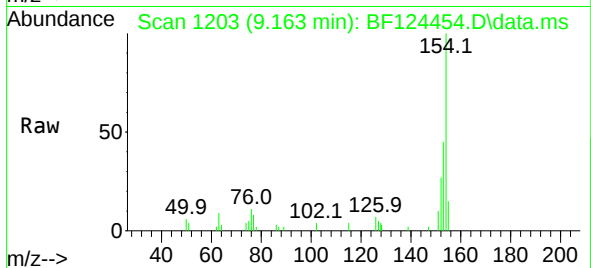




#46
1,1'-Biphenyl
Concen: 2.569 ng
RT: 9.163 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

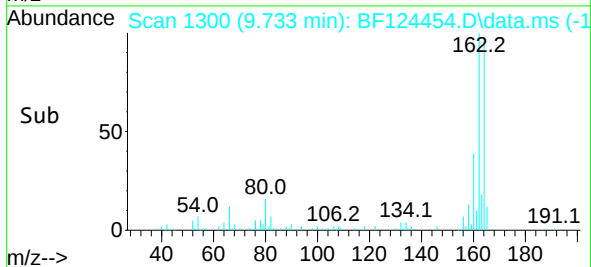
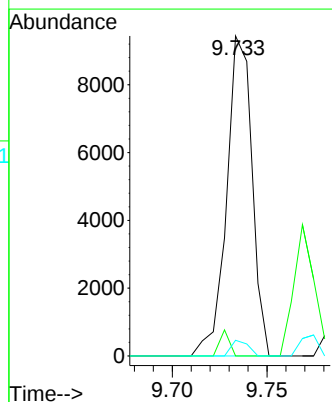
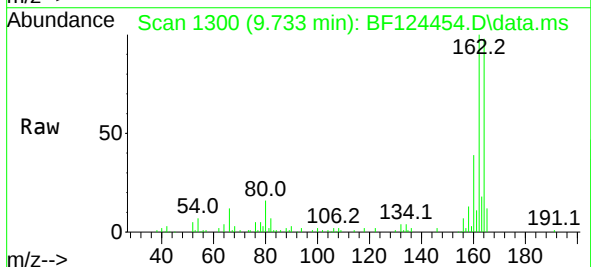
Instrument :
BNA_F
ClientSampleId :
293-347

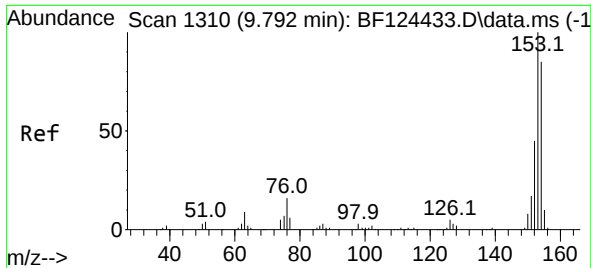
Tgt Ion:154 Resp: 15217
Ion Ratio Lower Upper
154 100
153 45.2 20.7 60.7
76 10.9 0.0 31.7



#51
2,6-Dinitrotoluene
Concen: 6.925 ng
RT: 9.733 min Scan# 1300
Delta R.T. 0.194 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

Tgt Ion:165 Resp: 8789
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 4.9 58.8 88.2#

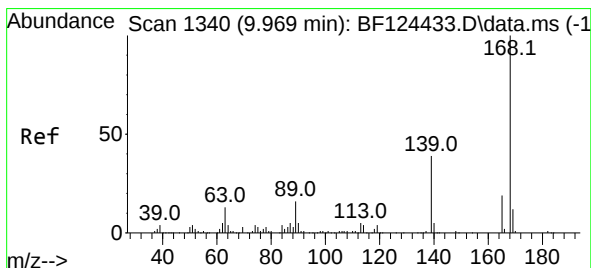
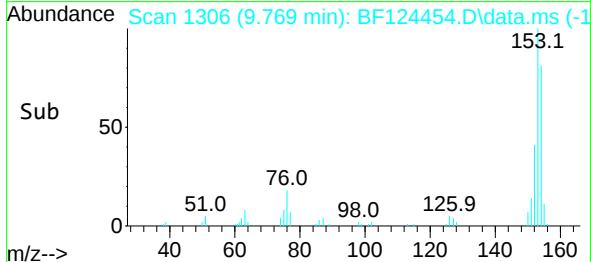
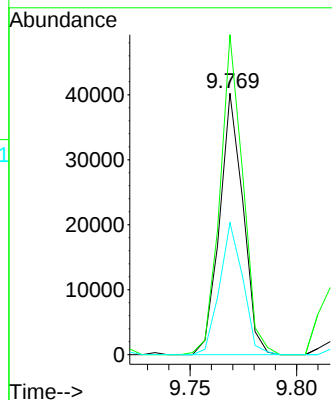
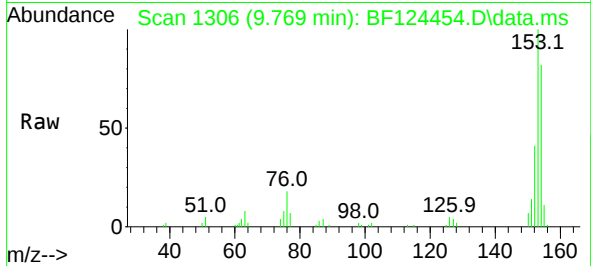




#52
Acenaphthene
Concen: 6.906 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

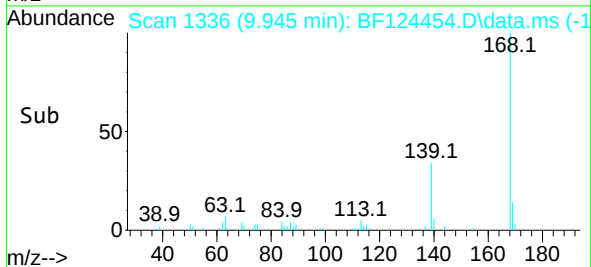
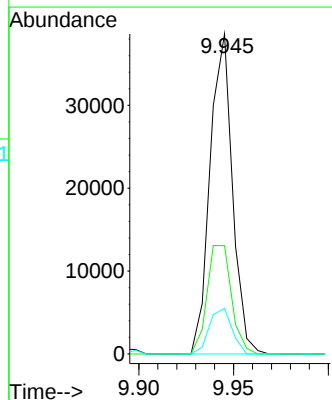
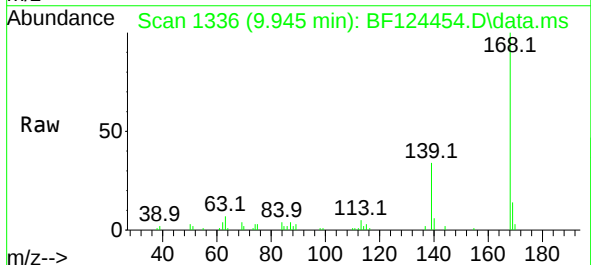
Instrument :
BNA_F
ClientSampleId :
293-347

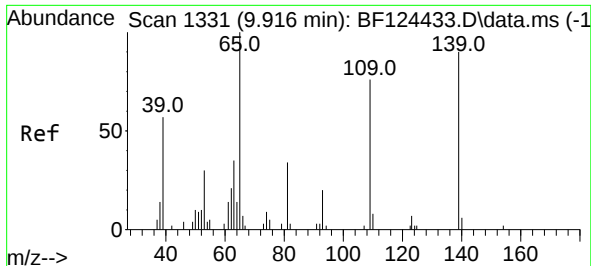
Tgt Ion:154 Resp: 30706
Ion Ratio Lower Upper
154 100
153 122.4 88.1 132.1
152 50.4 43.4 65.0



#55
Dibenzofuran
Concen: 4.482 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

Tgt Ion:168 Resp: 31763
Ion Ratio Lower Upper
168 100
139 33.9 33.2 49.8
169 14.2 10.8 16.2

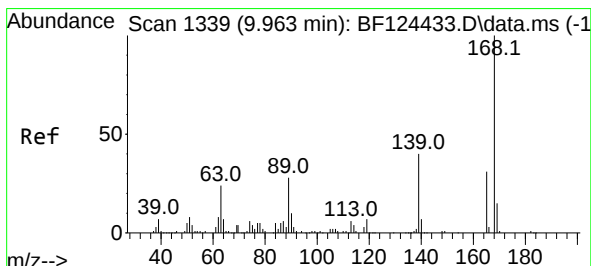
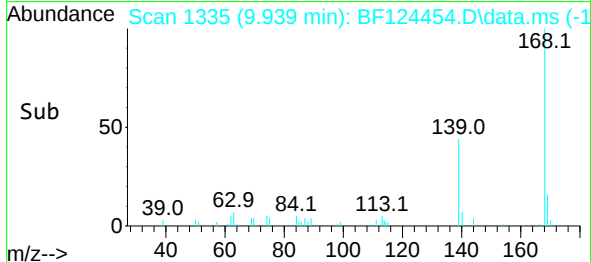
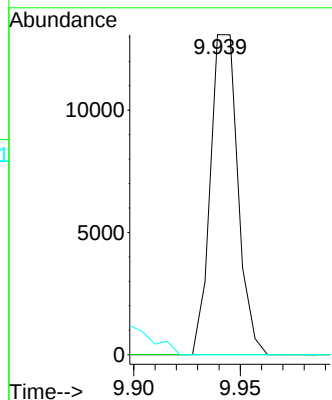
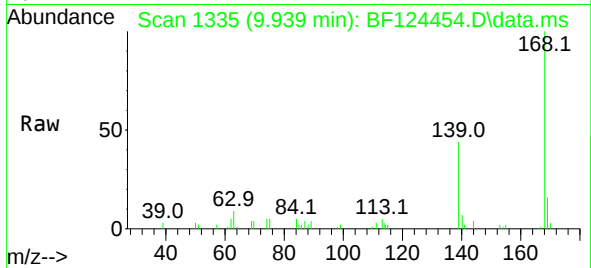




#56
4-Nitrophenol
Concen: 19.972 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.047 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

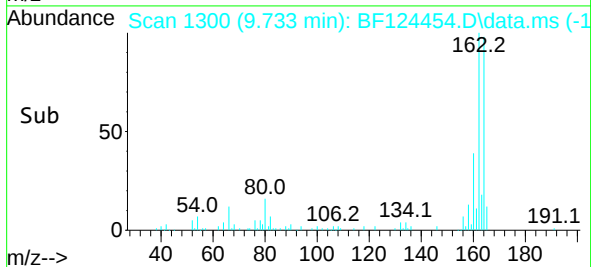
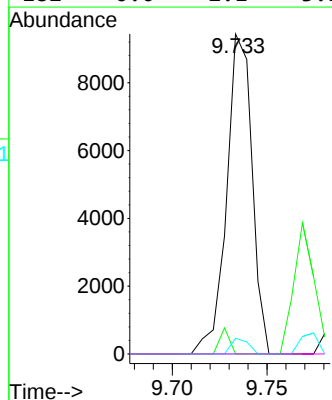
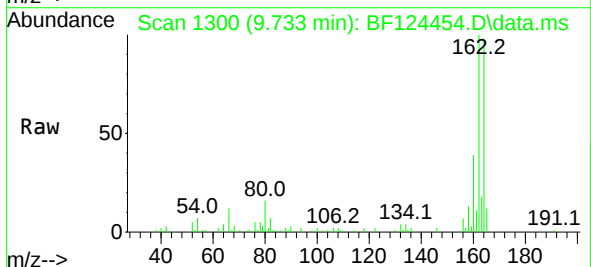
Instrument :
BNA_F
ClientSampleId :
293-347

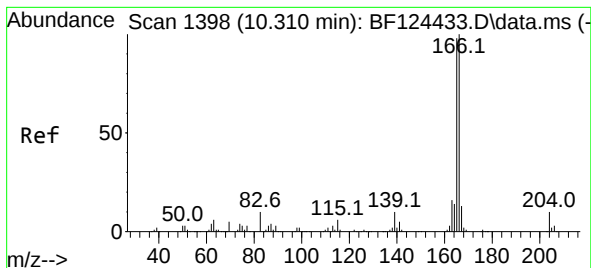
Tgt Ion:139 Resp: 11770
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 5.225 ng
RT: 9.733 min Scan# 1300
Delta R.T. -0.212 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

Tgt Ion:165 Resp: 8789
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 4.9 67.7 101.5#
182 0.0 2.1 3.1#

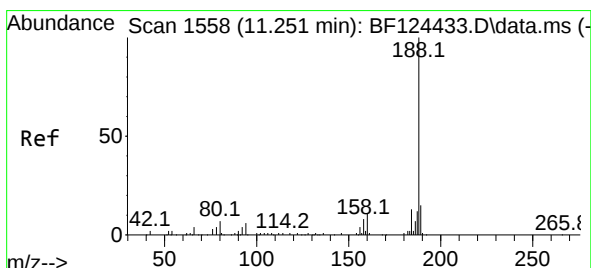
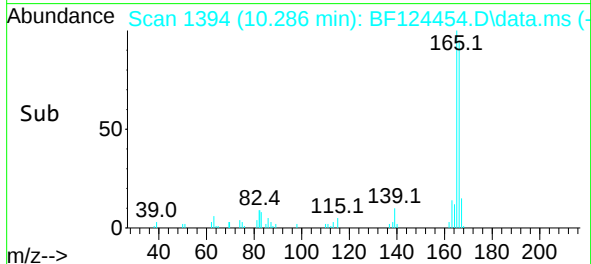
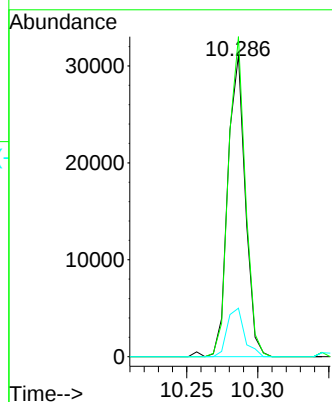
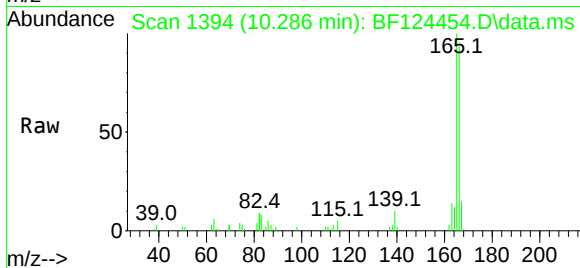




#58
Fluorene
Concen: 4.875 ng
RT: 10.286 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

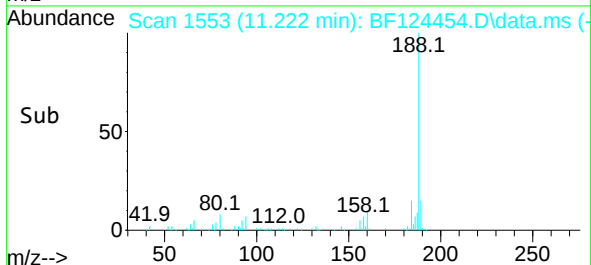
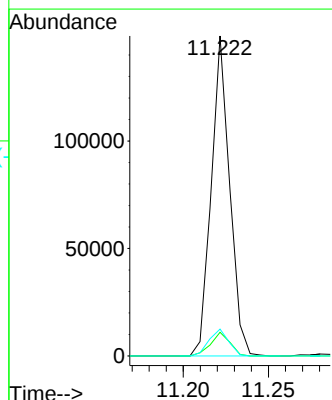
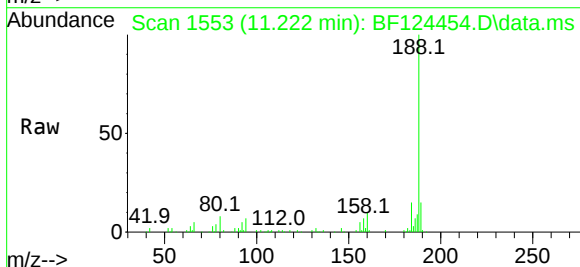
Instrument :
BNA_F
ClientSampleId :
293-347

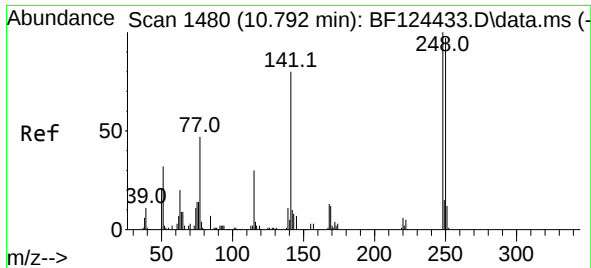
Tgt Ion:166 Resp: 26549
Ion Ratio Lower Upper
166 100
165 106.0 73.5 110.3
167 16.1 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.222 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

Tgt Ion:188 Resp: 111726
Ion Ratio Lower Upper
188 100
94 7.4 6.9 10.3
80 8.4 8.2 12.2

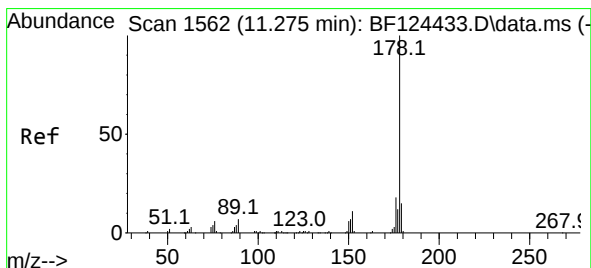
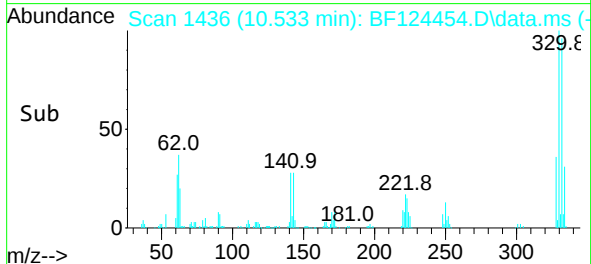
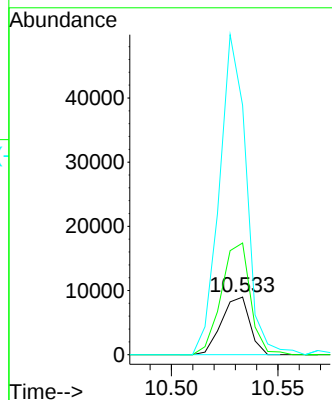
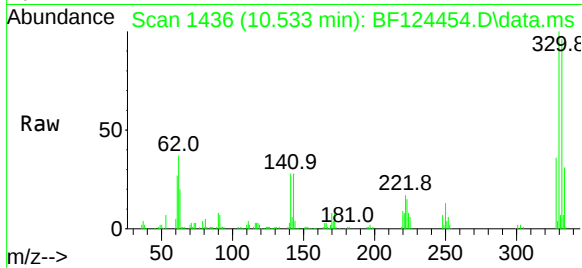




#67
4-Bromophenyl-phenylether
Concen: 5.505 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.235 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

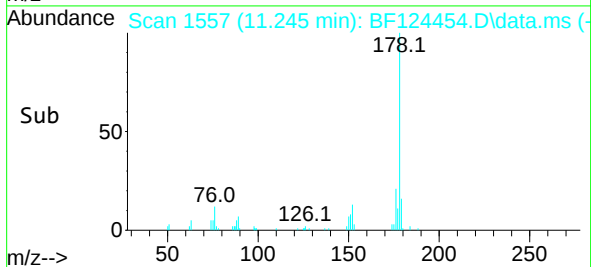
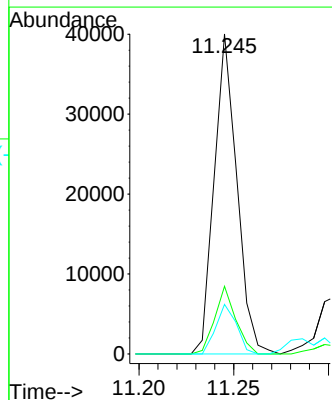
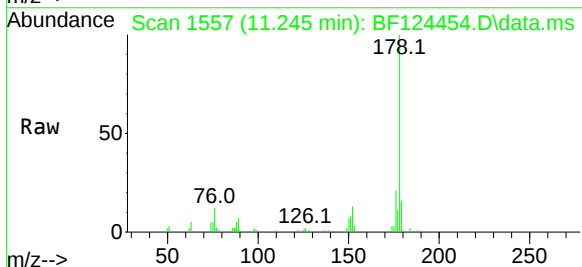
Instrument :
BNA_F
ClientSampleId :
293-347

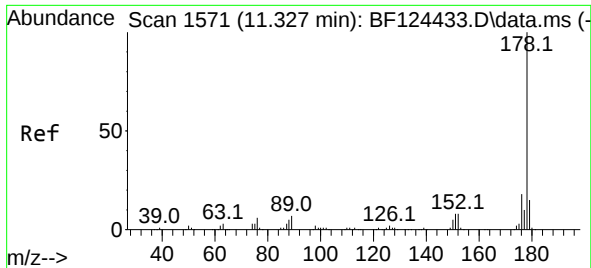
Tgt Ion:248 Resp: 8274
Ion Ratio Lower Upper
248 100
250 193.9 77.4 116.2#
141 433.4 63.7 95.5#



#71
Phenanthrene
Concen: 4.728 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

Tgt Ion:178 Resp: 33302
Ion Ratio Lower Upper
178 100
176 21.1 15.6 23.4
179 15.5 12.5 18.7

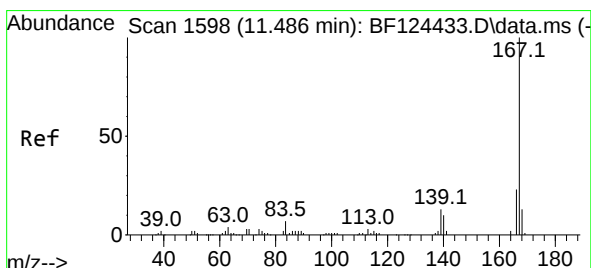
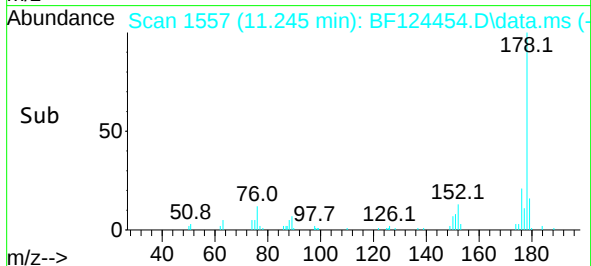
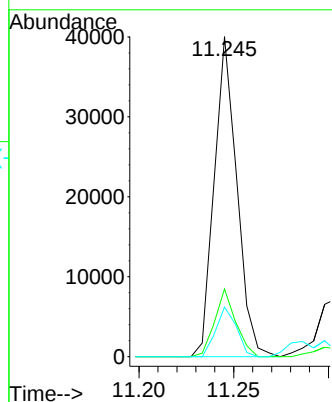
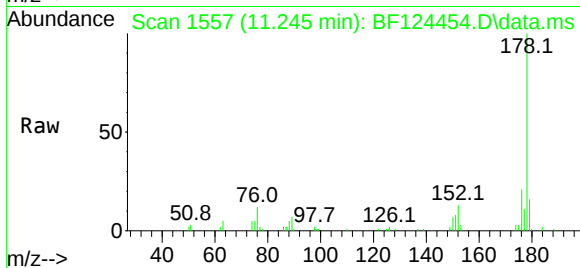




#72
 Anthracene
 Concen: 4.746 ng
 RT: 11.245 min Scan# 1557
 Delta R.T. -0.059 min
 Lab File: BF124454.D
 Acq: 25 Jun 2021 16:27

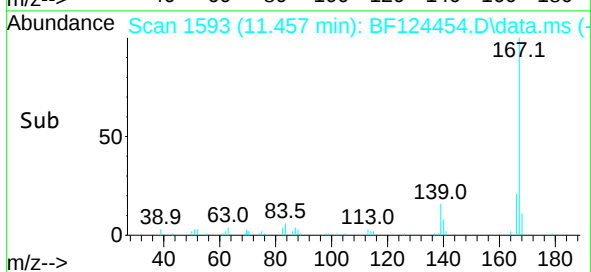
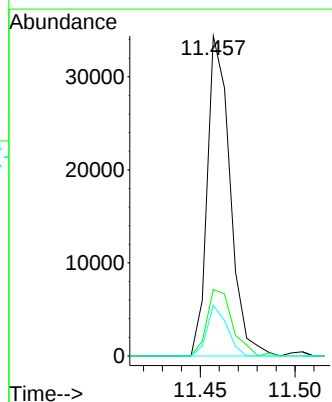
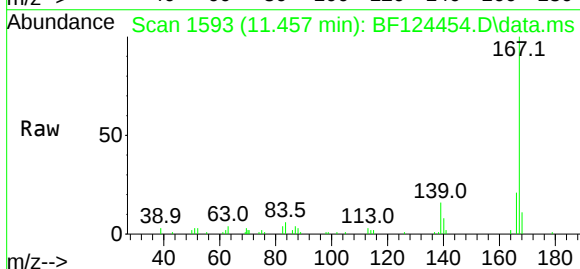
Instrument :
 BNA_F
 ClientSampleId :
 293-347

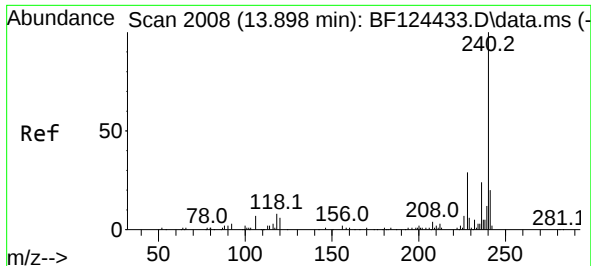
Tgt Ion:178 Resp: 33302
 Ion Ratio Lower Upper
 178 100
 176 21.1 15.4 23.0
 179 15.5 12.6 18.8



#73
 Carbazole
 Concen: 4.702 ng
 RT: 11.457 min Scan# 1593
 Delta R.T. -0.006 min
 Lab File: BF124454.D
 Acq: 25 Jun 2021 16:27

Tgt Ion:167 Resp: 28760
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.0 25.6
 139 15.8 10.4 15.6#

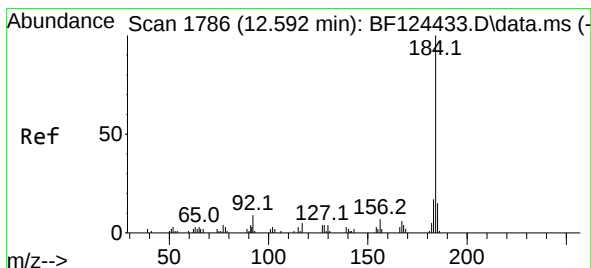
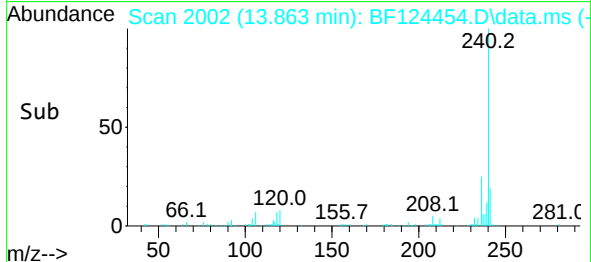
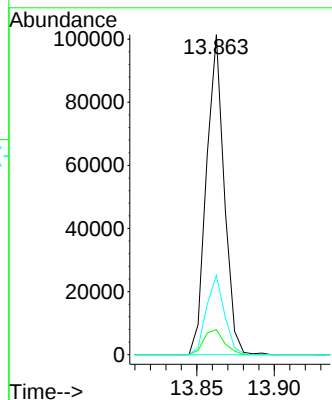
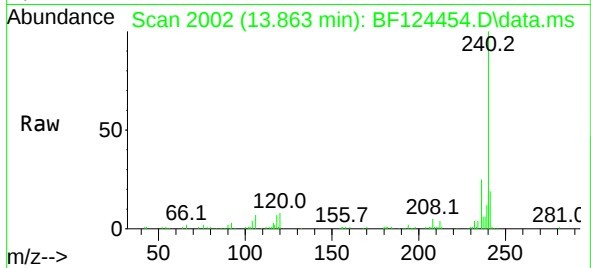




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

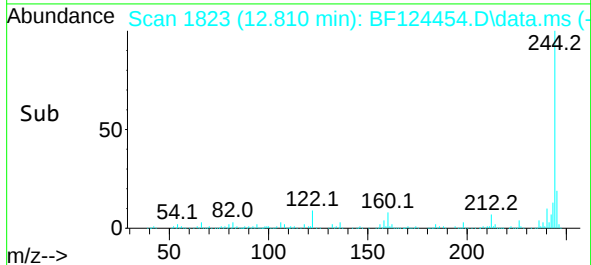
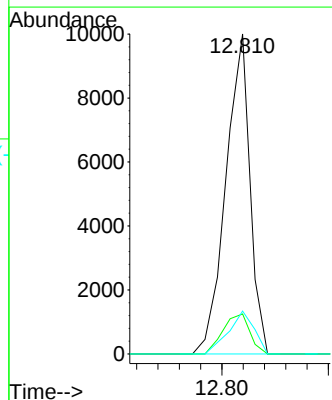
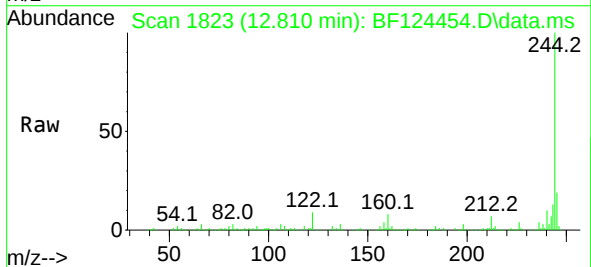
Instrument :
BNA_F
ClientSampleId :
293-347

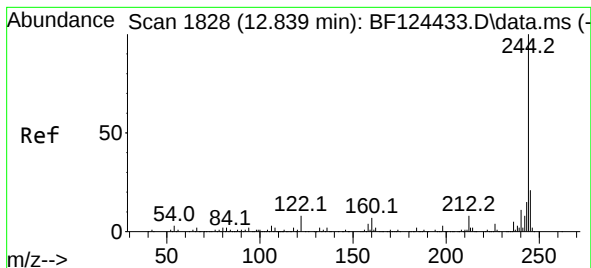
Tgt Ion:240 Resp: 80581
Ion Ratio Lower Upper
240 100
120 7.9 7.2 10.8
236 24.8 19.0 28.4



#77
Benzidine
Concen: 4.866 ng
RT: 12.810 min Scan# 1823
Delta R.T. 0.247 min
Lab File: BF124454.D
Acq: 25 Jun 2021 16:27

Tgt Ion:184 Resp: 7859
Ion Ratio Lower Upper
184 100
185 12.5 12.1 18.1
183 13.4 7.8 11.8#





#79

Terphenyl-d14

Concen: 82.484 ng

RT: 12.810 min Scan# 1823

Delta R.T. 0.000 min

Lab File: BF124454.D

Acq: 25 Jun 2021 16:27

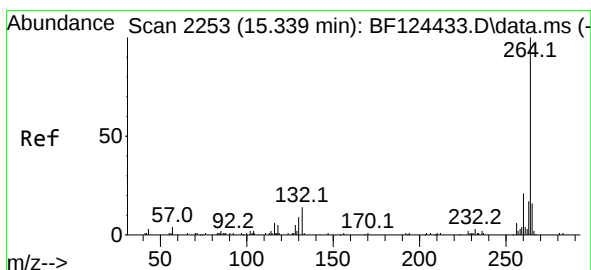
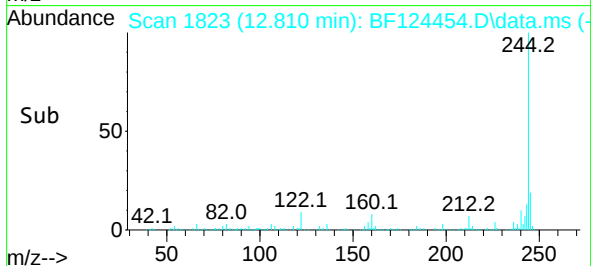
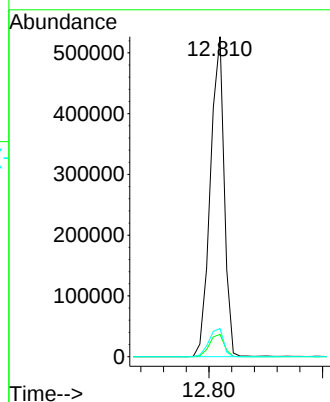
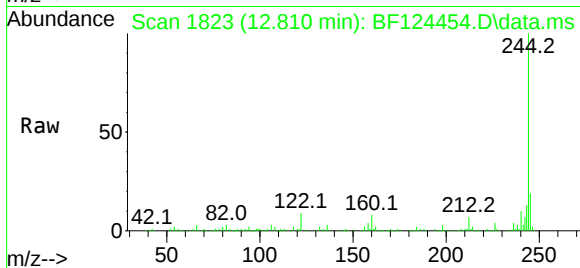
Tgt Ion:244 Resp: 443764

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 8.8 9.7 14.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.286 min Scan# 2244

Delta R.T. -0.006 min

Lab File: BF124454.D

Acq: 25 Jun 2021 16:27

Tgt Ion:264 Resp: 80401

Ion Ratio Lower Upper

264 100

260 24.5 18.7 28.1

265 22.5 17.8 26.8

