

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060223\
 Data File : BF133562.D
 Acq On : 02 Jun 2023 16:53
 Operator : CG\JU
 Sample : 03011-01RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CO-115968RE

Quant Time: Jun 02 17:31:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 02 17:05:55 2023
 Response via : Initial Calibration

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

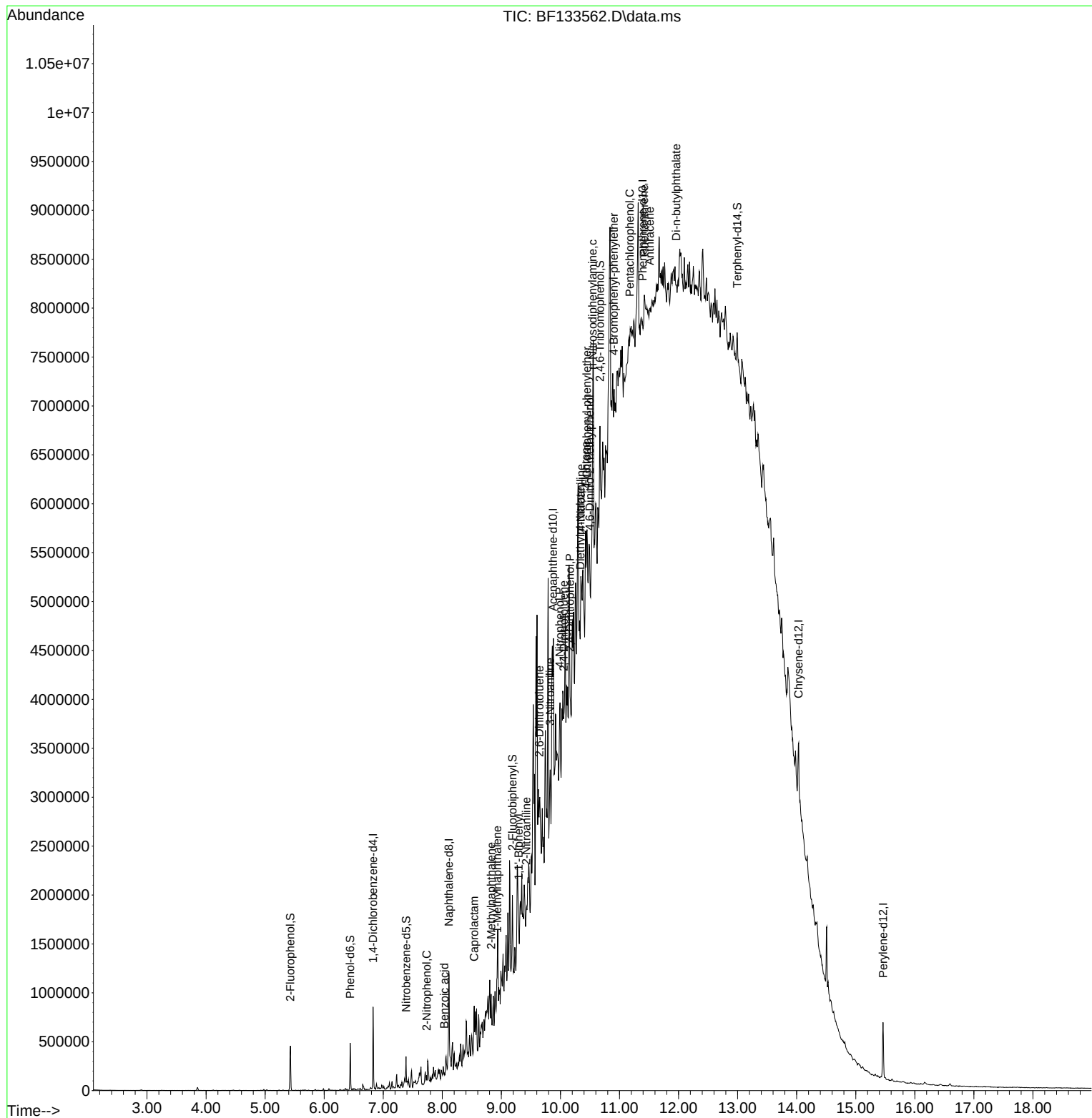
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	110281	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	396941	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	127899	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	123244	20.000	ng	# 0.03
76) Chrysene-d12	14.033	240	188137	20.000	ng	0.03
86) Perylene-d12	15.462	264	258086	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	112970	17.091	ng	-0.01
7) Phenol-d6	6.440	99	131853	16.205	ng	-0.02
23) Nitrobenzene-d5	7.387	82	72285	12.159	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	15038	11.795	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	143412	17.306	ng	-0.01
79) Terphenyl-d14	12.992	244	75862	7.169	ng	0.04
Target Compounds						Qvalue
9) Benzaldehyde	6.387	77	537	Below Cal	#	1
26) 2-Nitrophenol	7.734	139	787	4.986	ng	# 1
32) Benzoic acid	8.034	122	1798	7.741	ng	97
35) Caprolactam	8.539	113	9450	5.433	ng	# 1
37) 2-Methylnaphthalene	8.828	142	85115	6.478	ng	99
38) 1-Methylnaphthalene	8.928	142	72719	5.937	ng	97
46) 1,1'-Biphenyl	9.292	154	24441	2.352	ng	99
48) 2-Nitroaniline	9.422	65	3135	5.179	ng	# 2
51) 2,6-Dinitrotoluene	9.645	165	11042	9.647	ng	# 76
53) 3-Nitroaniline	9.828	138	17445	10.782	ng	# 24
54) 2,4-Dinitrophenol	10.163	184	11176	22.362	ng	87
56) 4-Nitrophenol	9.986	139	14625	9.509	ng	# 1
57) 2,4-Dinitrotoluene	10.057	165	3591	6.271	ng	# 51
58) Fluorene	10.428	166	36220	4.268	ng	# 43
60) Diethylphthalate	10.339	149	20411	2.187	ng	# 15
61) 4-Chlorophenyl-phenyle...	10.445	204	11731	2.879	ng	# 1
62) 4-Nitroaniline	10.345	138	25673	14.136	ng	86
65) 4,6-Dinitro-2-methylph...	10.498	198	2788	13.239	ng	# 1
66) n-Nitrosodiphenylamine	10.545	169	113031	28.250	ng	# 44
67) 4-Bromophenyl-phenylether	10.904	248	5087	3.887	ng	# 1
70) Pentachlorophenol	11.175	266	2112	2.581	ng	# 1
71) Phenanthrene	11.416	178	122087	19.558	ng	# 49
72) Anthracene	11.516	178	41210	6.415	ng	# 1
74) Di-n-butylphthalate	11.963	149	27658	3.850	ng	# 33

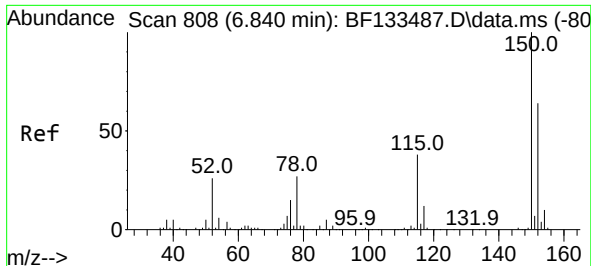
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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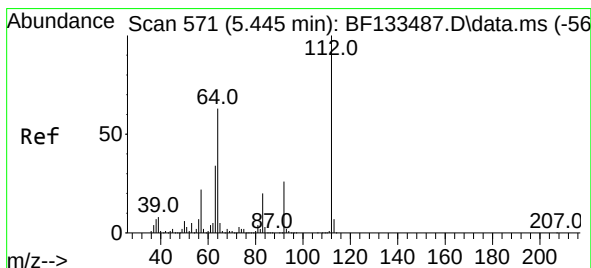
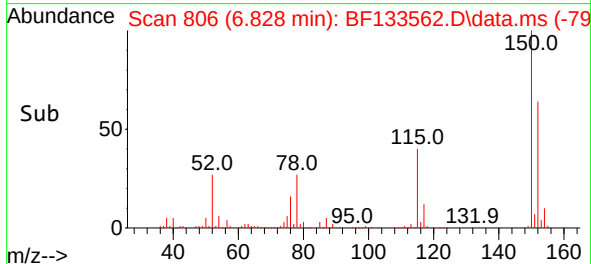
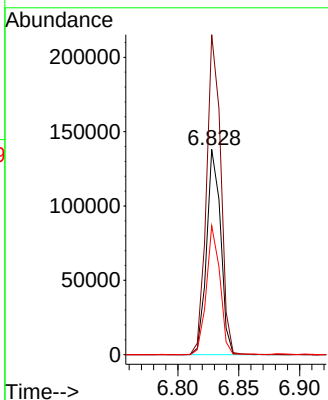
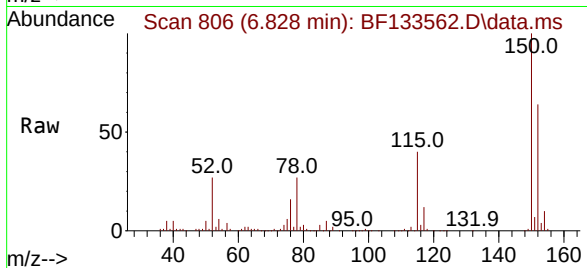




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

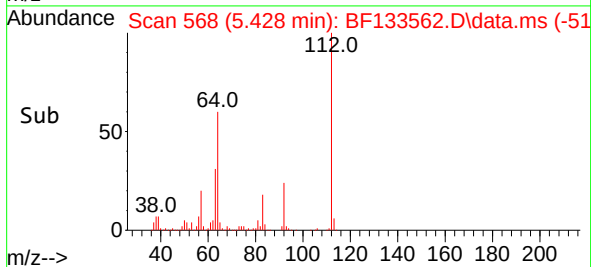
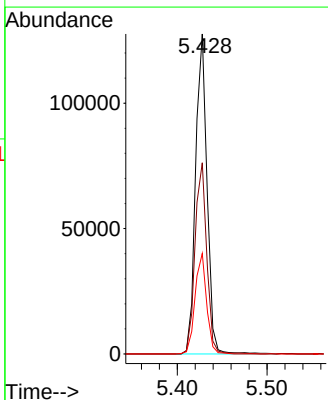
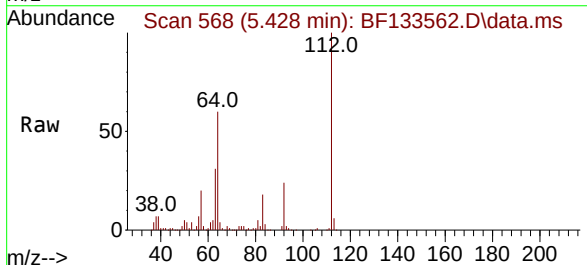
Instrument :
BNA_F
ClientSampleId :
CO-115968RE

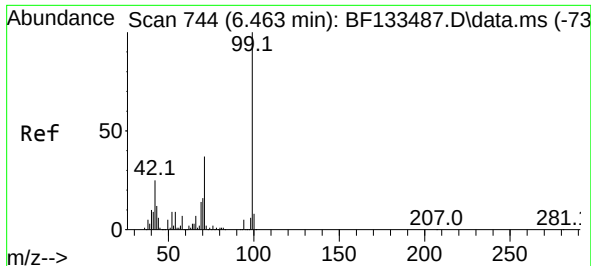
Tgt Ion:152 Resp: 110281
Ion Ratio Lower Upper
152 100
150 155.9 124.9 187.3
115 62.8 48.1 72.1



#5
2-Fluorophenol
Concen: 17.091 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

Tgt Ion:112 Resp: 112970
Ion Ratio Lower Upper
112 100
64 59.8 50.1 75.1
63 31.4 27.5 41.3

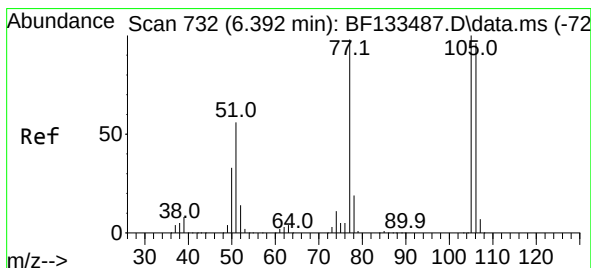
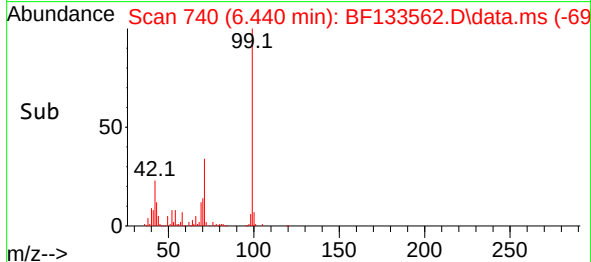
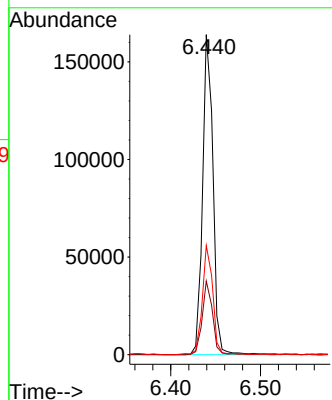
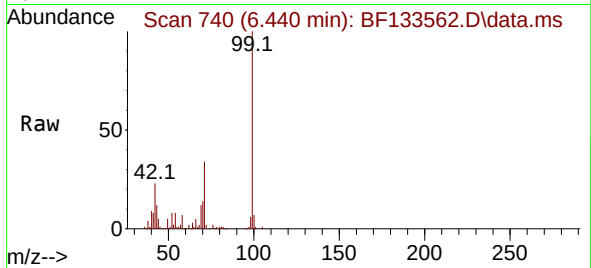




#7
Phenol-d6
Concen: 16.205 ng
RT: 6.440 min Scan# 744
Delta R.T. -0.024 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

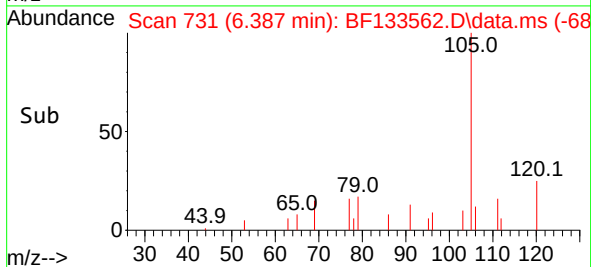
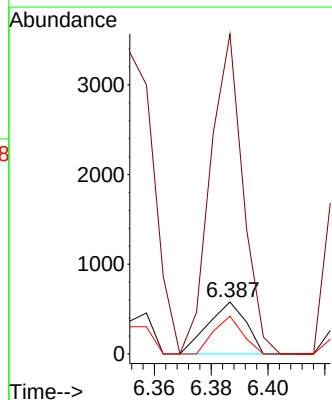
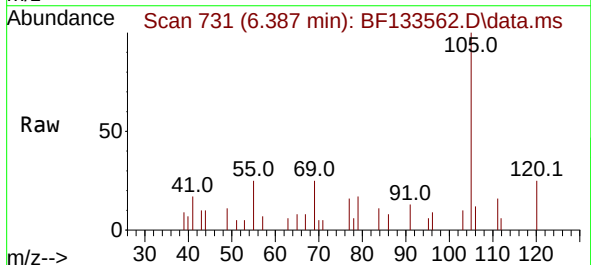
Instrument :
BNA_F
ClientSampleId :
CO-115968RE

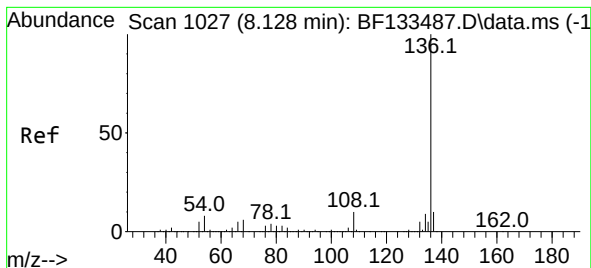
Tgt Ion: 99 Resp: 131853
Ion Ratio Lower Upper
99 100
42 23.0 19.7 29.5
71 34.1 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 731
Delta R.T. -0.000 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

Tgt Ion: 77 Resp: 537
Ion Ratio Lower Upper
77 100
105 615.0 81.9 121.9#
106 72.6 77.8 117.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133562.D

Acq: 02 Jun 2023 16:53

Instrument :

BNA_F

ClientSampleId :

CO-115968RE

Tgt Ion:136 Resp: 396941

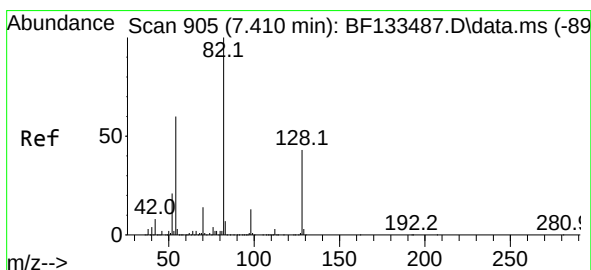
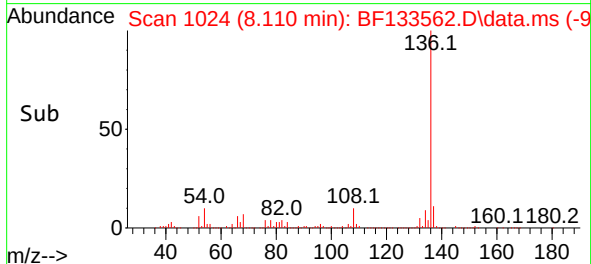
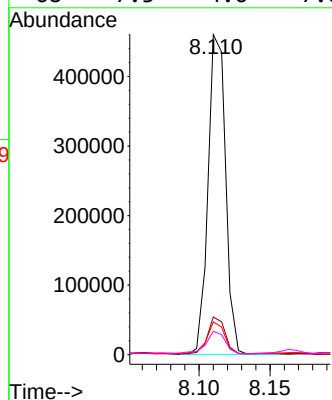
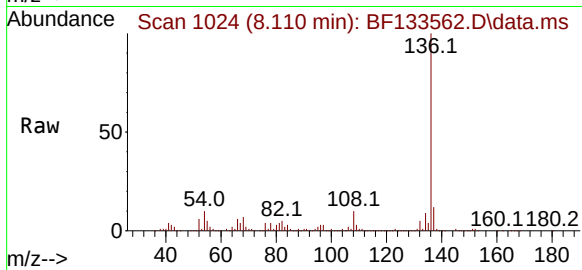
Ion Ratio Lower Upper

136 100

137 11.8 8.2 12.4

54 10.3 6.6 10.0#

68 7.3 4.6 7.0#



#23

Nitrobenzene-d5

Concen: 12.159 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.018 min

Lab File: BF133562.D

Acq: 02 Jun 2023 16:53

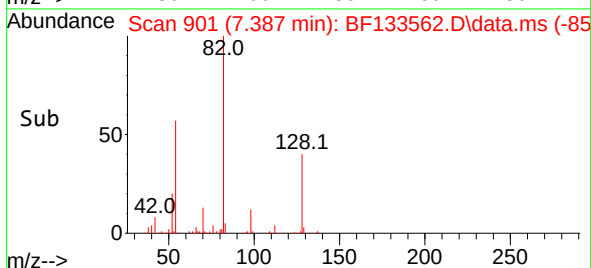
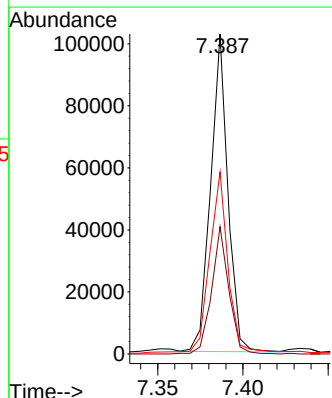
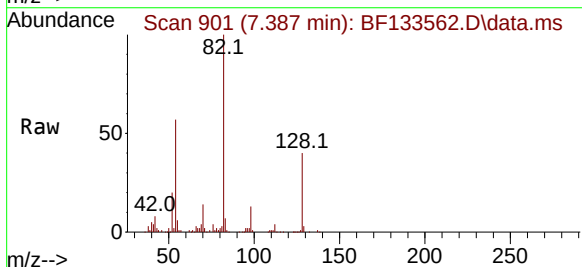
Tgt Ion: 82 Resp: 72285

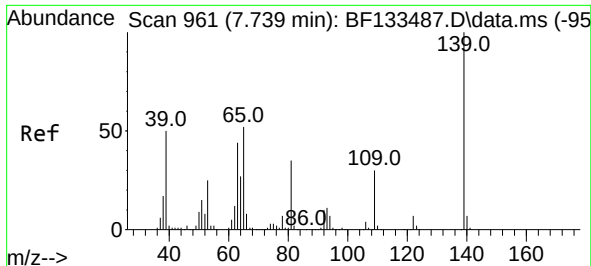
Ion Ratio Lower Upper

82 100

128 39.8 34.2 51.4

54 56.9 48.2 72.4

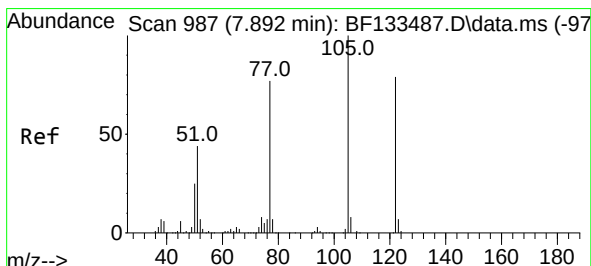
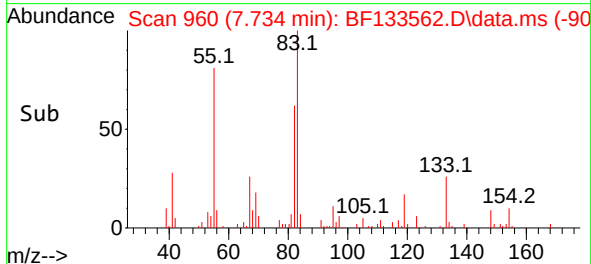
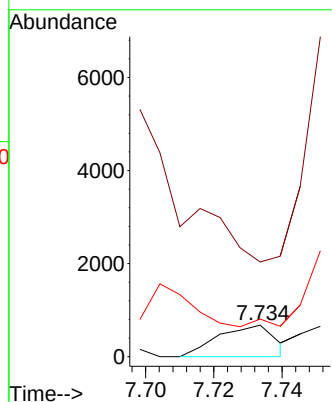
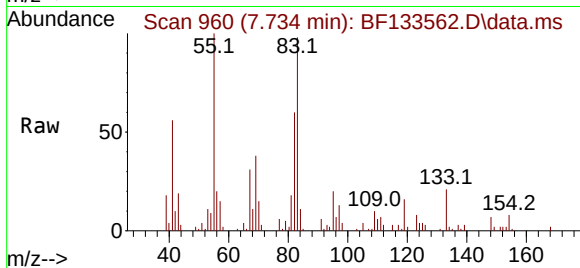




#26
2-Nitrophenol
Concen: 4.986 ng
RT: 7.734 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

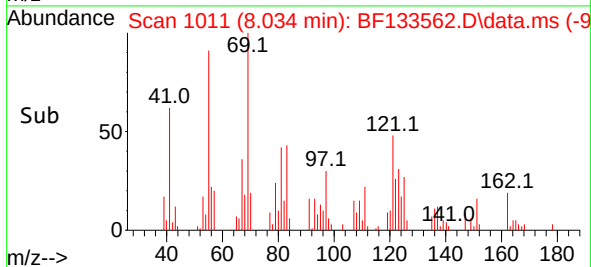
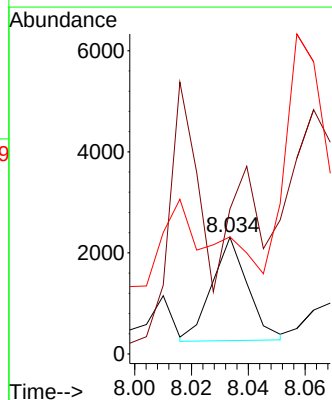
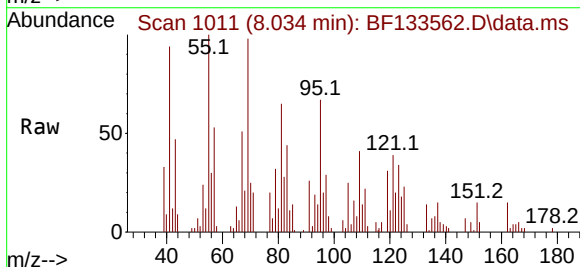
Instrument :
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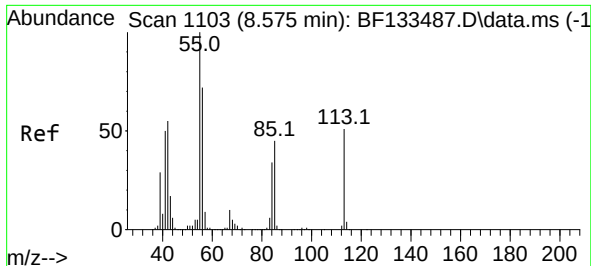
Tgt Ion:139 Resp: 787
Ion Ratio Lower Upper
139 100
109 300.1 24.0 36.0#
65 119.2 41.7 62.5#



#32
Benzoic acid
Concen: 7.741 ng
RT: 8.034 min Scan# 1011
Delta R.T. 0.153 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

Tgt Ion:122 Resp: 1798
Ion Ratio Lower Upper
122 100
105 124.2 103.3 143.3
77 100.4 75.7 115.7

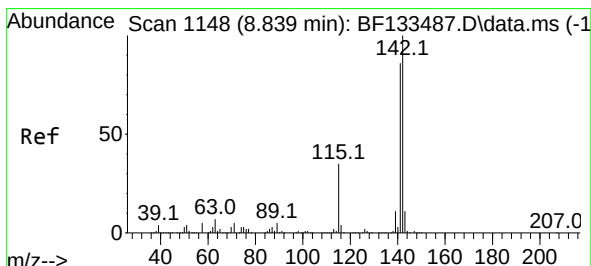
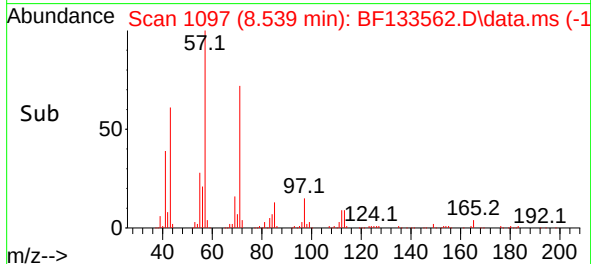
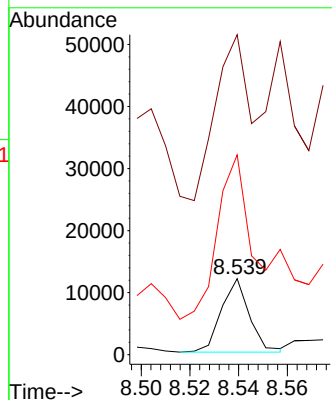
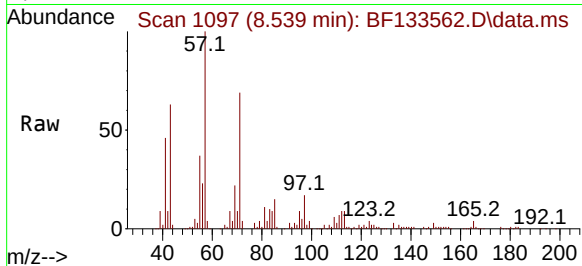




#35
 Caprolactam
 Concen: 5.433 ng
 RT: 8.539 min Scan# 1097
 Delta R.T. -0.024 min
 Lab File: BF133562.D
 Acq: 02 Jun 2023 16:53

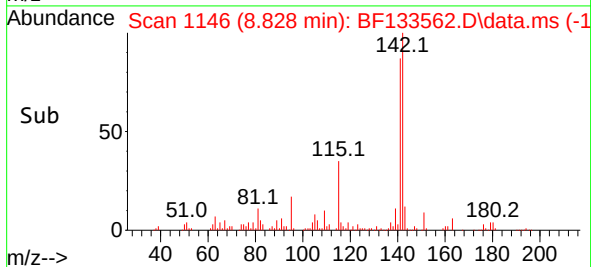
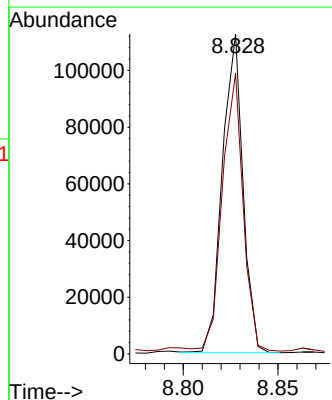
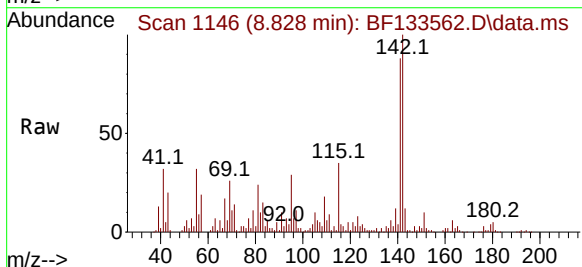
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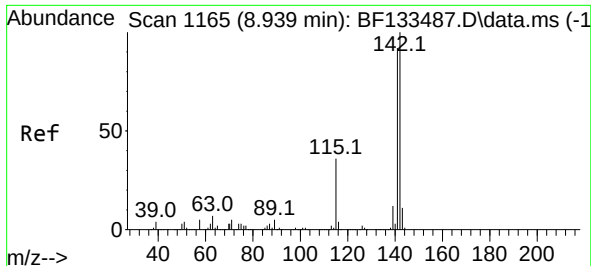
Tgt Ion:113 Resp: 9450
 Ion Ratio Lower Upper
 113 100
 55 421.3 177.5 217.5#
 56 263.2 122.3 162.3#



#37
 2-Methylnaphthalene
 Concen: 6.478 ng
 RT: 8.828 min Scan# 1146
 Delta R.T. -0.006 min
 Lab File: BF133562.D
 Acq: 02 Jun 2023 16:53

Tgt Ion:142 Resp: 85115
 Ion Ratio Lower Upper
 142 100
 141 87.6 69.2 103.8

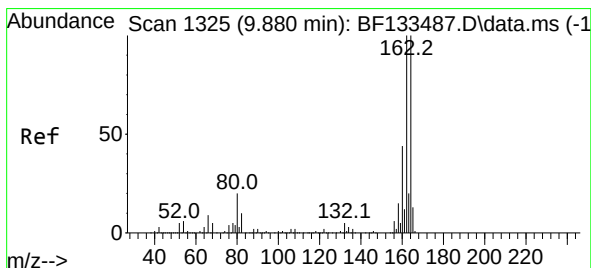
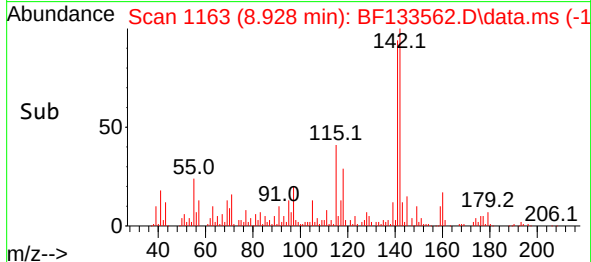
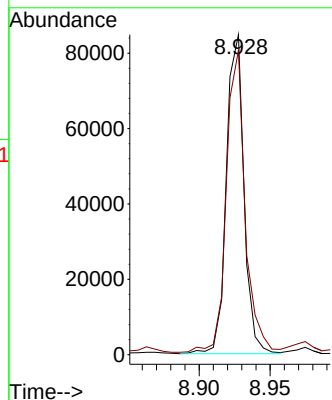
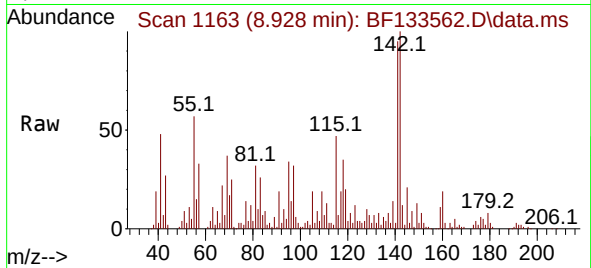




#38
1-Methylnaphthalene
Concen: 5.937 ng
RT: 8.928 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

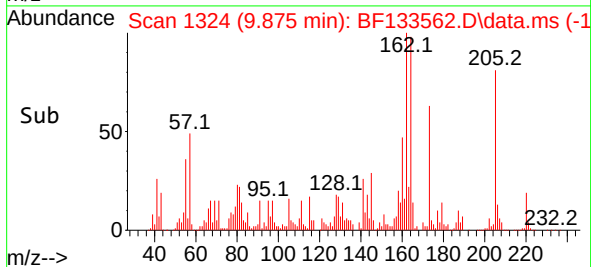
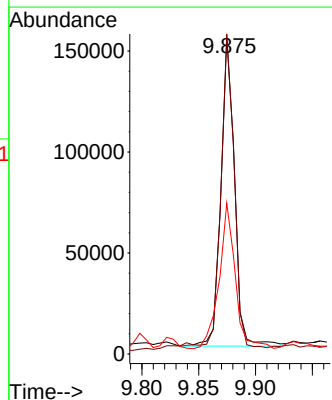
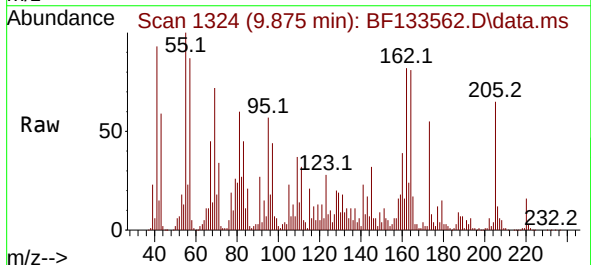
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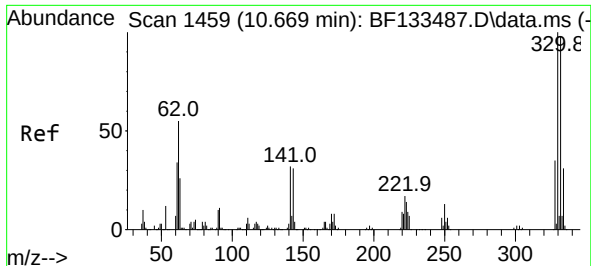
Tgt Ion:142 Resp: 72719
Ion Ratio Lower Upper
142 100
141 95.1 73.6 110.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

Tgt Ion:164 Resp: 127899
Ion Ratio Lower Upper
164 100
162 101.2 79.7 119.5
160 47.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 11.795 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.006 min

Lab File: BF133562.D

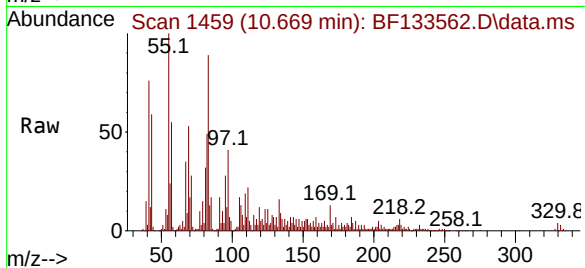
Acq: 02 Jun 2023 16:53

Instrument :

BNA_F

ClientSampleId :

CO-115968RE



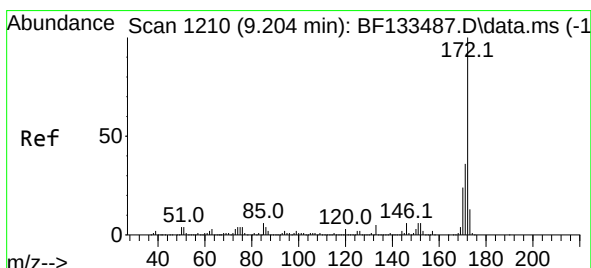
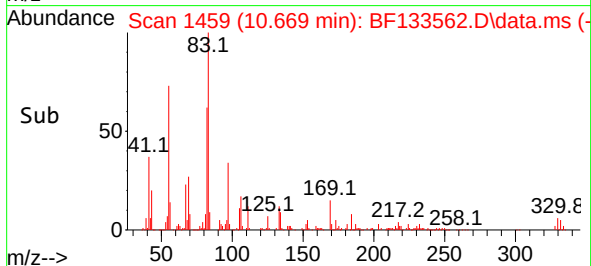
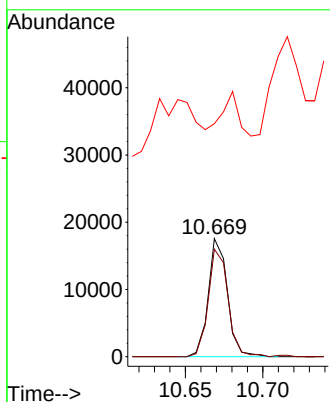
Tgt Ion:330 Resp: 15038

Ion Ratio Lower Upper

330 100

332 94.1 77.8 116.6

141 31.3 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 17.306 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF133562.D

Acq: 02 Jun 2023 16:53

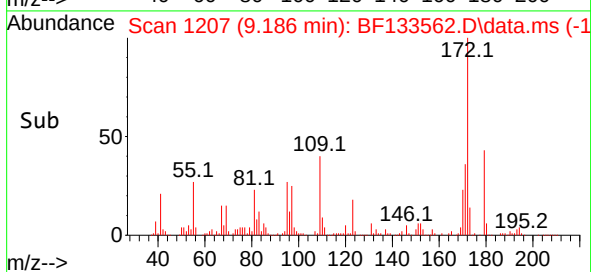
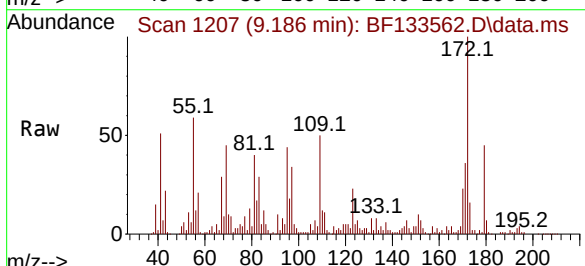
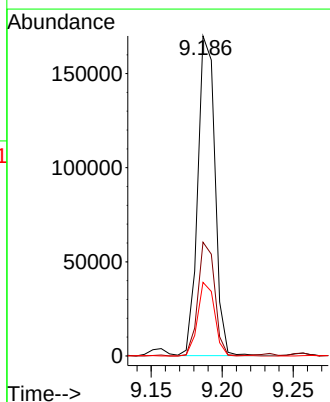
Tgt Ion:172 Resp: 143412

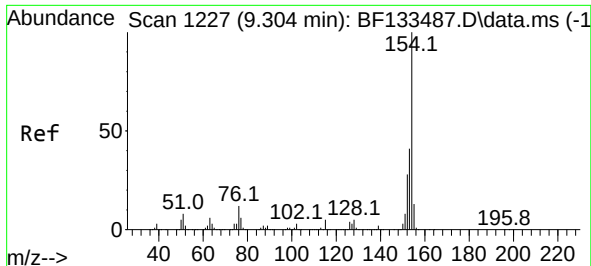
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.0 19.3 28.9

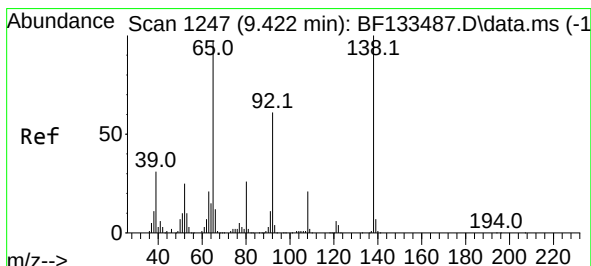
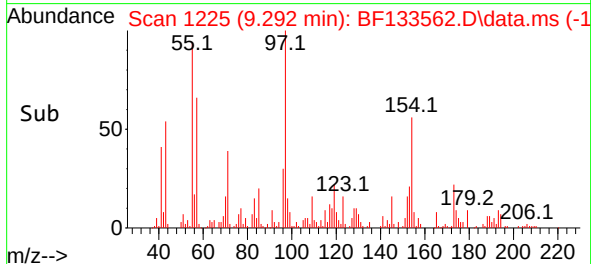
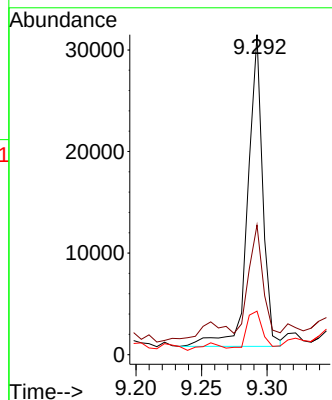
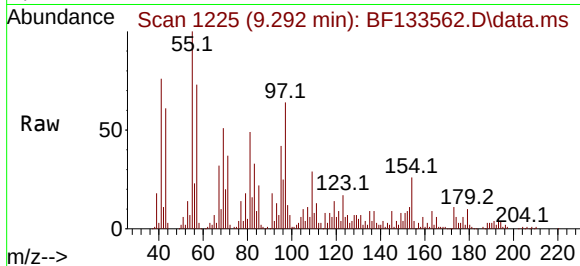




#46
1,1'-Biphenyl
Concen: 2.352 ng
RT: 9.292 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

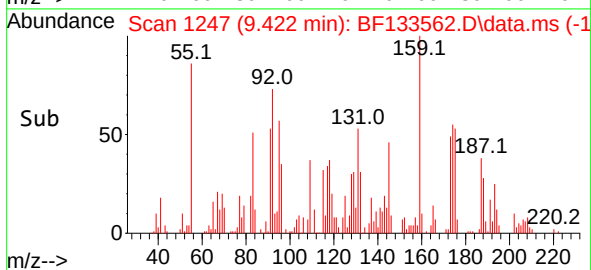
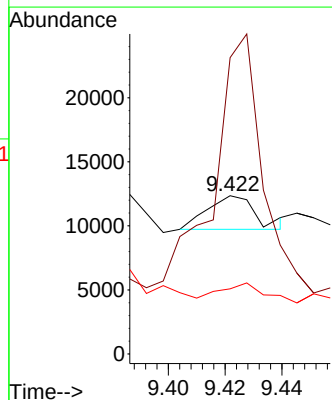
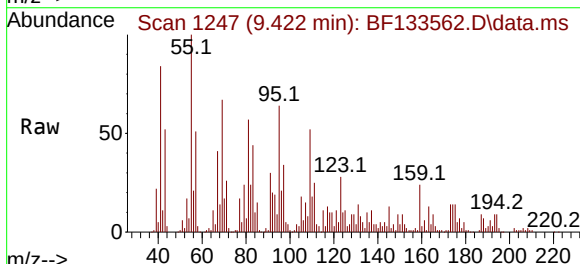
Instrument :
BNA_F
ClientSampleId :
CO-115968RE

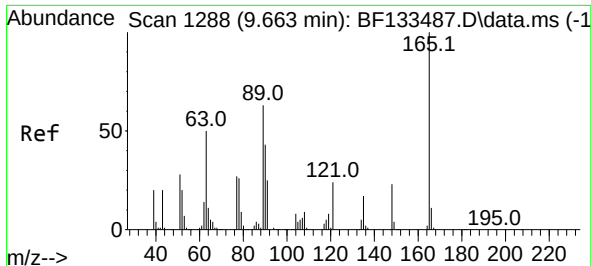
Tgt Ion:154 Resp: 24441
Ion Ratio Lower Upper
154 100
153 40.5 21.0 61.0
76 13.6 0.0 32.5



#48
2-Nitroaniline
Concen: 5.179 ng
RT: 9.422 min Scan# 1247
Delta R.T. 0.006 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

Tgt Ion: 65 Resp: 3135
Ion Ratio Lower Upper
65 100
92 187.3 50.8 76.2#
138 41.1 82.6 124.0#

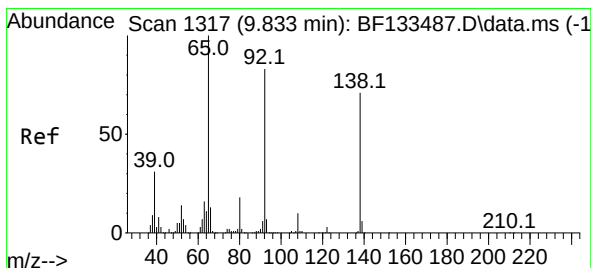
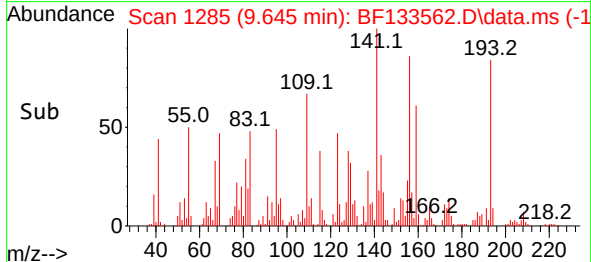
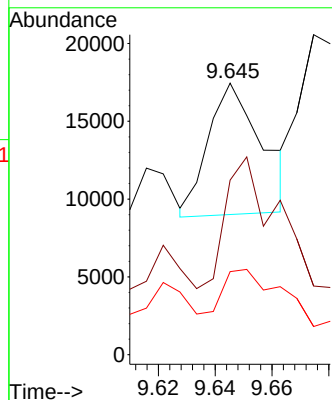
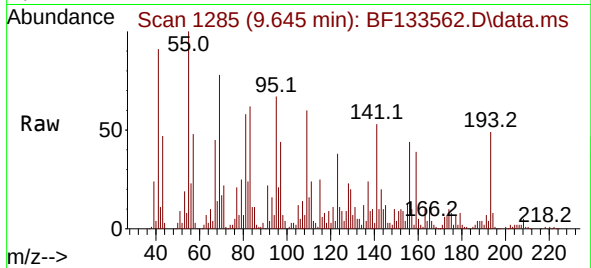




#51
2,6-Dinitrotoluene
Concen: 9.647 ng
RT: 9.645 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

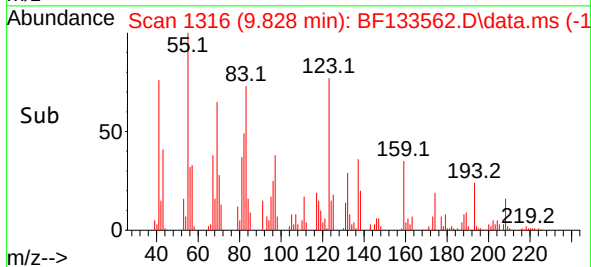
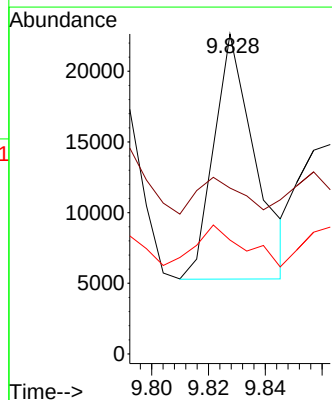
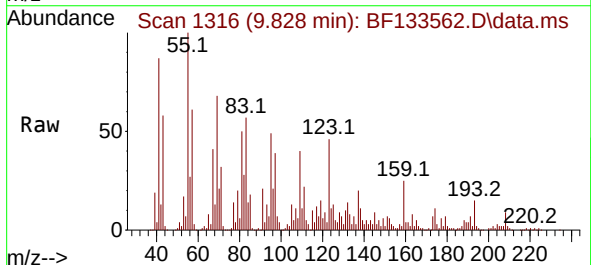
Instrument :
BNA_F
ClientSampleId :
CO-115968RE

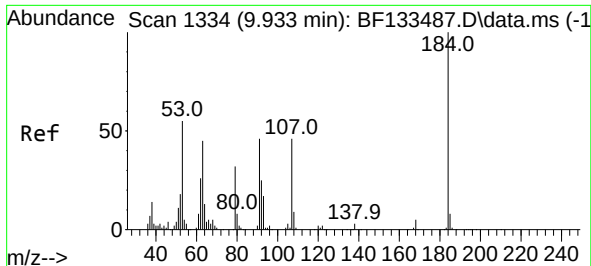
Tgt Ion:165 Resp: 11042
Ion Ratio Lower Upper
165 100
63 64.3 57.0 85.4
89 30.6 50.8 76.2#



#53
3-Nitroaniline
Concen: 10.782 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

Tgt Ion:138 Resp: 17445
Ion Ratio Lower Upper
138 100
108 51.8 11.9 17.9#
92 35.6 93.1 139.7#

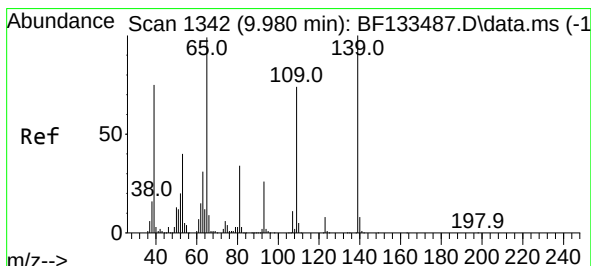
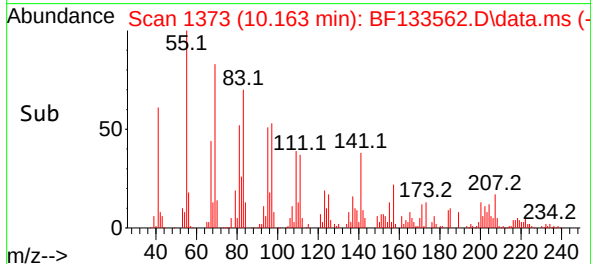
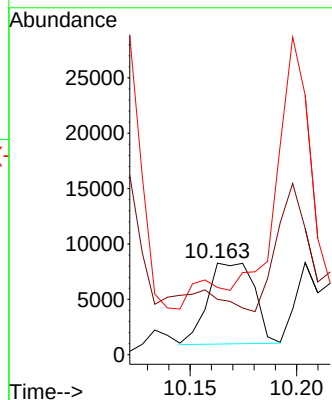
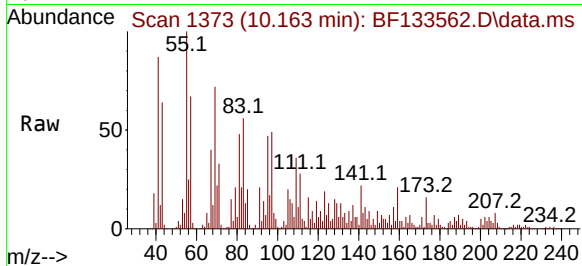




#54
2,4-Dinitrophenol
Concen: 22.362 ng
RT: 10.163 min Scan# 11
Delta R.T. 0.235 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

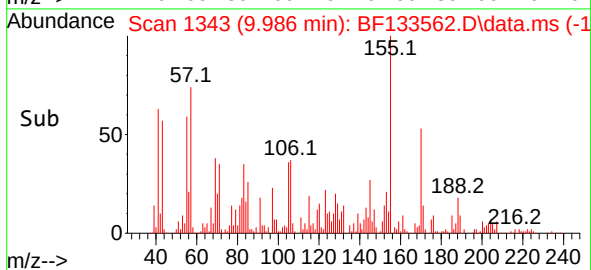
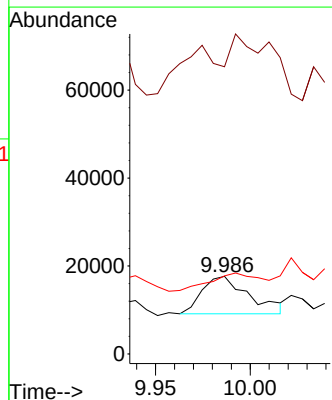
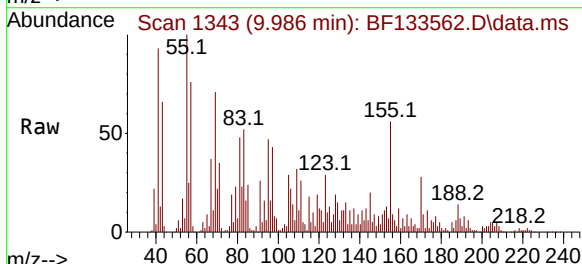
Instrument :
BNA_F
ClientSampleId :
CO-115968RE

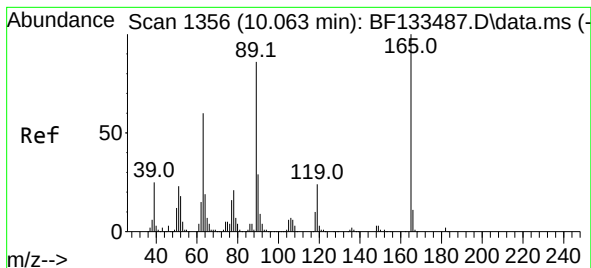
Tgt Ion:184 Resp: 11176
Ion Ratio Lower Upper
184 100
63 60.5 55.7 83.5
154 73.6 49.3 73.9



#56
4-Nitrophenol
Concen: 9.509 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.012 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

Tgt Ion:139 Resp: 14625
Ion Ratio Lower Upper
139 100
109 370.2 54.5 94.5#
65 100.6 79.5 119.5

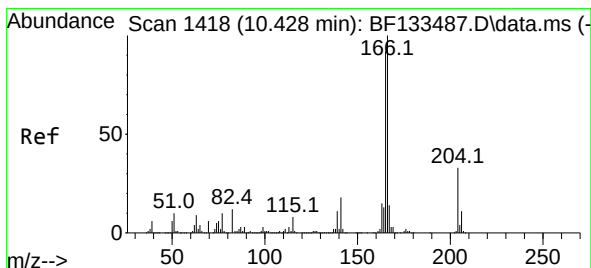
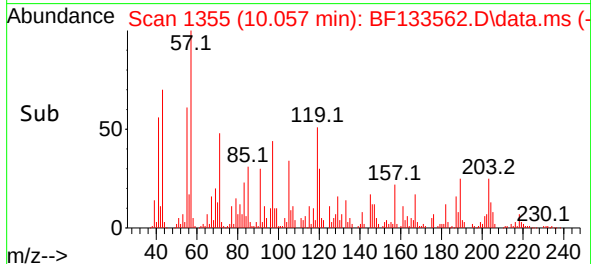
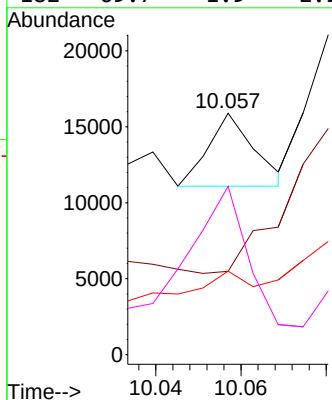
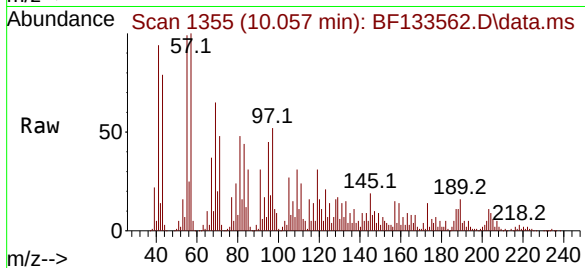




#57
2,4-Dinitrotoluene
Concen: 6.271 ng
RT: 10.057 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

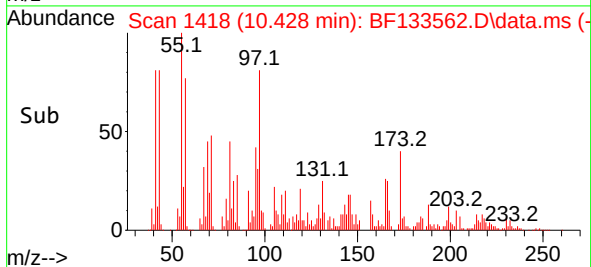
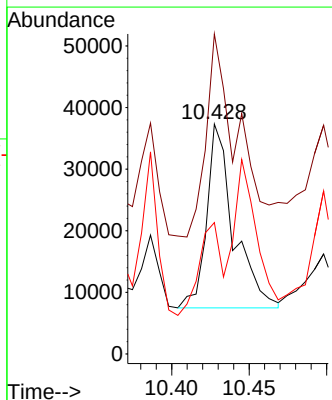
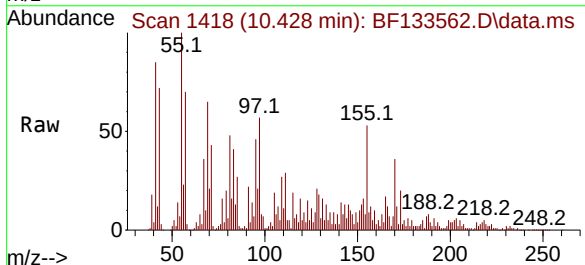
Instrument :
BNA_F
ClientSampleId :
CO-115968RE

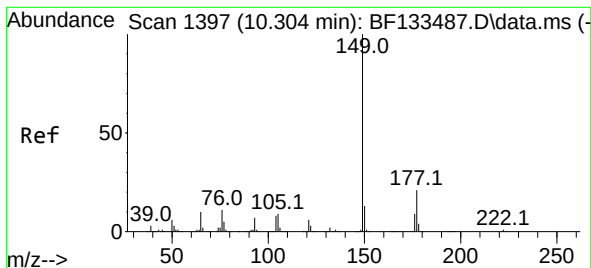
Tgt Ion:165 Resp: 3591
Ion Ratio Lower Upper
165 100
63 34.5 48.1 72.1#
89 34.6 68.4 102.6#
182 69.7 1.9 2.9#



#58
Fluorene
Concen: 4.268 ng
RT: 10.428 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

Tgt Ion:166 Resp: 36220
Ion Ratio Lower Upper
166 100
165 139.2 73.4 110.0#
167 57.1 10.9 16.3#





#60

Diethylphthalate

Concen: 2.187 ng

RT: 10.339 min Scan# 1403

Delta R.T. 0.041 min

Lab File: BF133562.D

Acq: 02 Jun 2023 16:53

Instrument :

BNA_F

ClientSampleId :

CO-115968RE

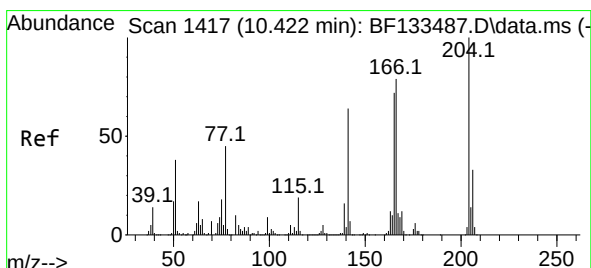
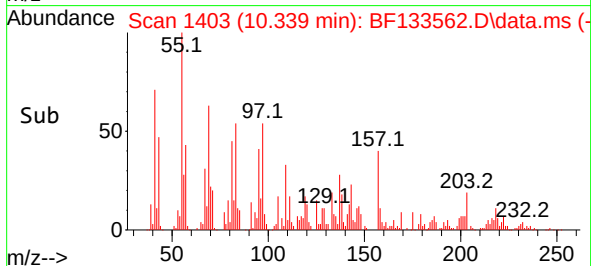
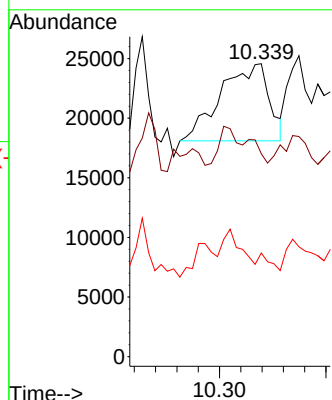
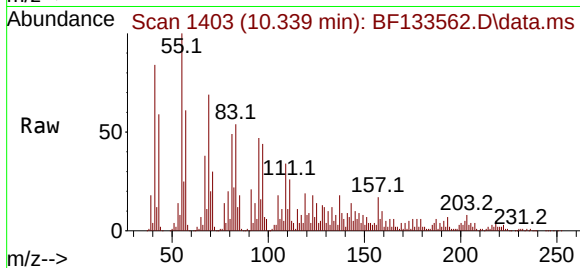
Tgt Ion:149 Resp: 20411

Ion Ratio Lower Upper

149 100

177 69.3 17.1 25.7#

150 35.4 10.2 15.2#



#61

4-Chlorophenyl-phenylether

Concen: 2.879 ng

RT: 10.445 min Scan# 1421

Delta R.T. 0.029 min

Lab File: BF133562.D

Acq: 02 Jun 2023 16:53

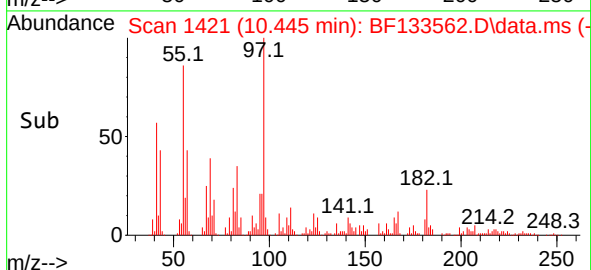
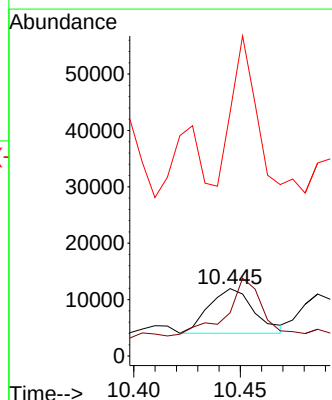
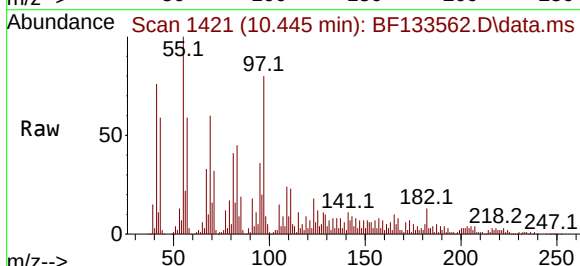
Tgt Ion:204 Resp: 11731

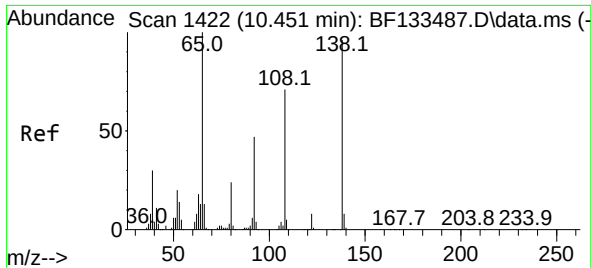
Ion Ratio Lower Upper

204 100

206 64.1 26.2 39.2#

141 361.7 51.4 77.2#

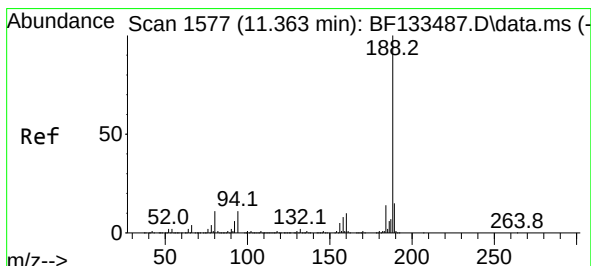
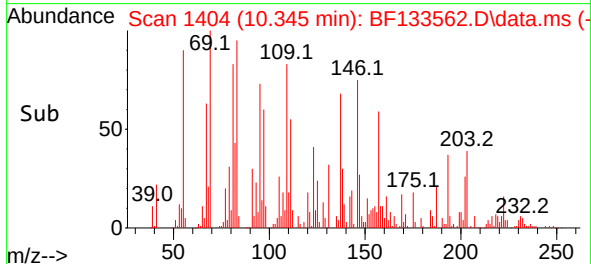
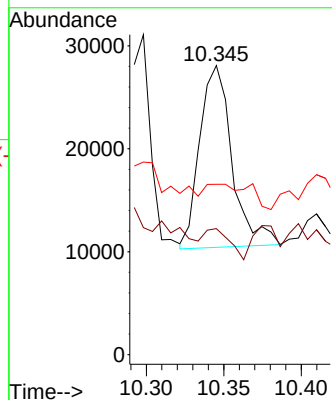
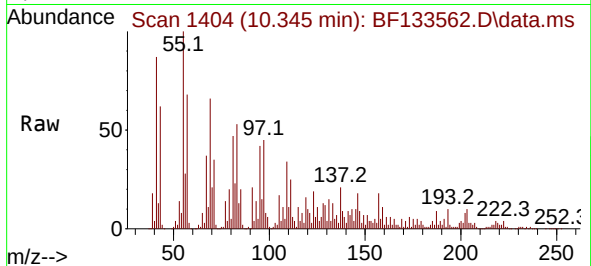




#62
4-Nitroaniline
Concen: 14.136 ng
RT: 10.345 min Scan# 1404
Delta R.T. -0.094 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

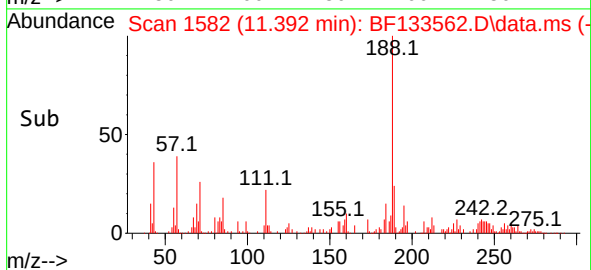
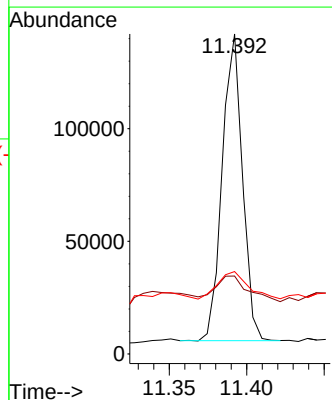
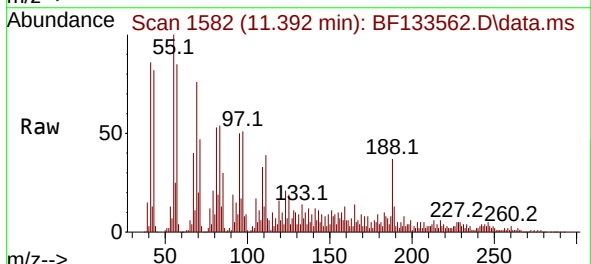
Instrument :
BNA_F
ClientSampleId :
CO-115968RE

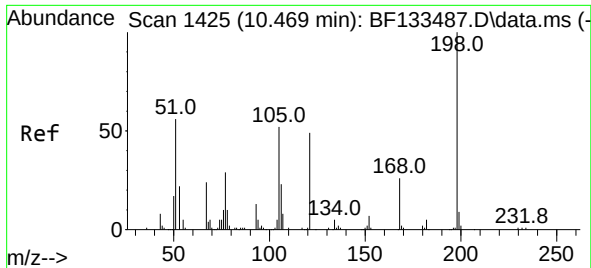
Tgt Ion:138 Resp: 25673
Ion Ratio Lower Upper
138 100
92 43.6 28.4 68.4
108 58.9 54.2 94.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.029 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

Tgt Ion:188 Resp: 123244
Ion Ratio Lower Upper
188 100
94 24.4 8.6 12.8#
80 25.8 9.2 13.8#

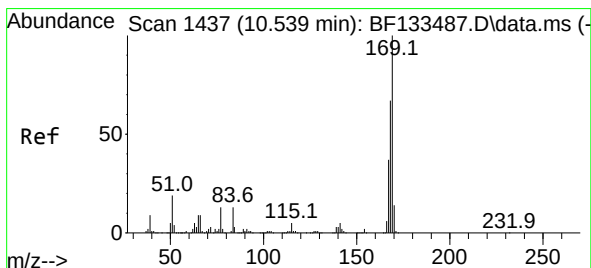
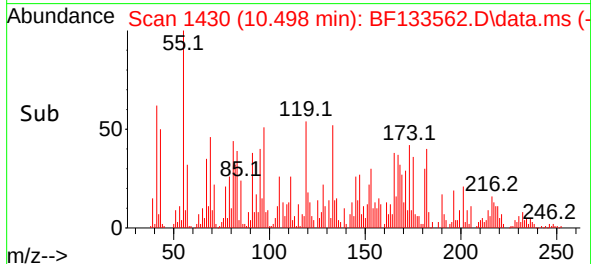
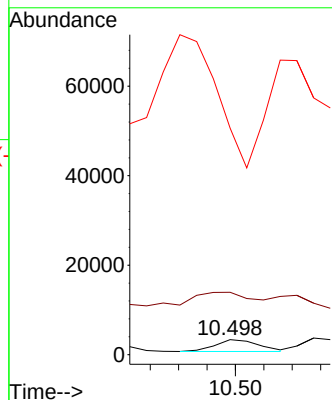
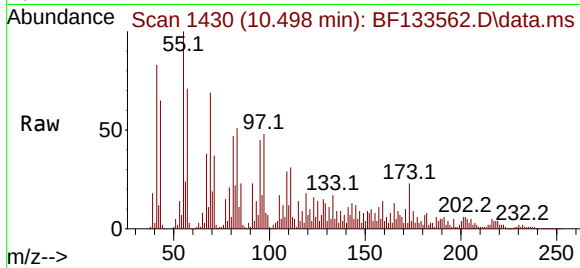




#65
4,6-Dinitro-2-methylphenol
Concen: 13.239 ng
RT: 10.498 min Scan# 1425
Delta R.T. 0.029 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

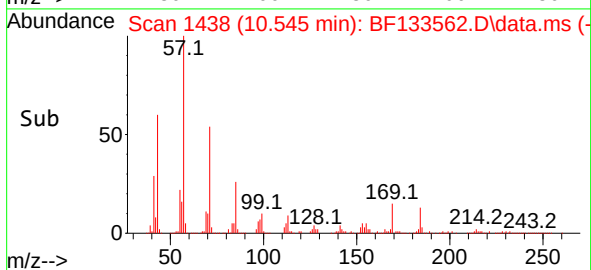
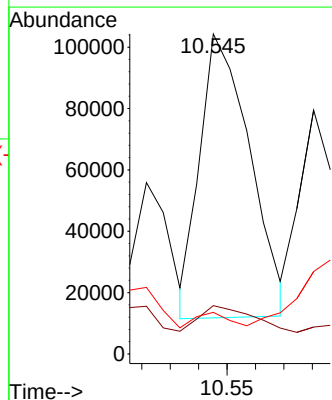
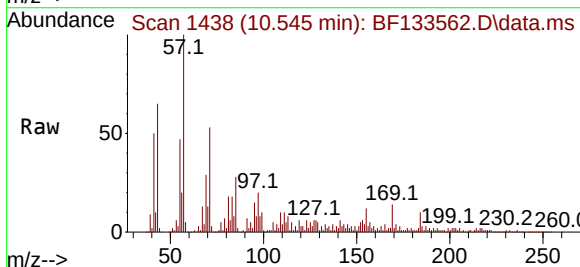
Instrument :
BNA_F
ClientSampleId :
CO-115968RE

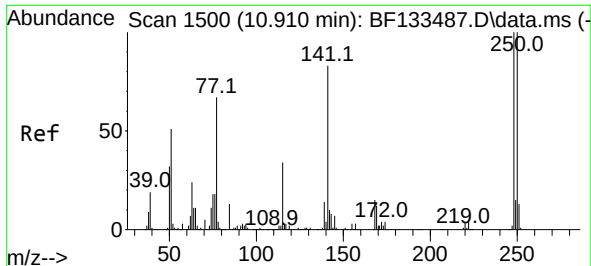
Tgt Ion:198 Resp: 2788
Ion Ratio Lower Upper
198 100
51 416.4 53.6 93.6#
105 1510.1 35.9 75.9#



#66
n-Nitrosodiphenylamine
Concen: 28.250 ng
RT: 10.545 min Scan# 1438
Delta R.T. 0.012 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

Tgt Ion:169 Resp: 113031
Ion Ratio Lower Upper
169 100
168 15.1 53.7 80.5#
167 13.0 29.6 44.4#

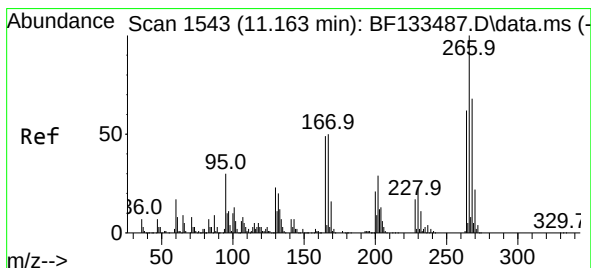
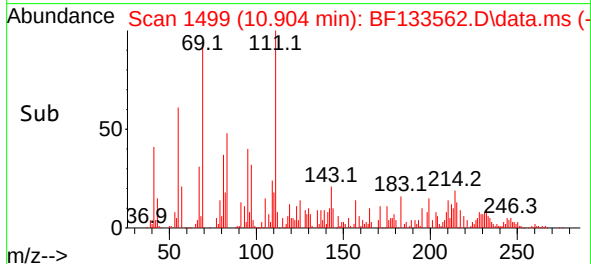
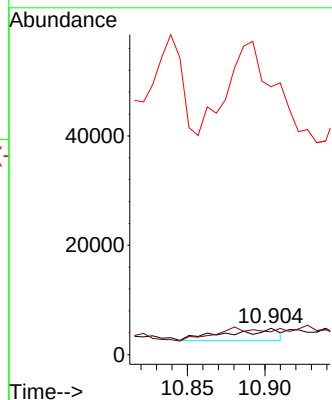
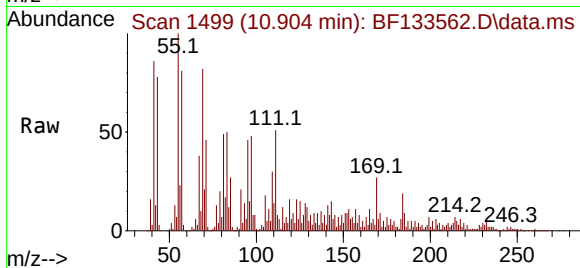




#67
4-Bromophenyl-phenylether
Concen: 3.887 ng
RT: 10.904 min Scan# 1499
Delta R.T. -0.000 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

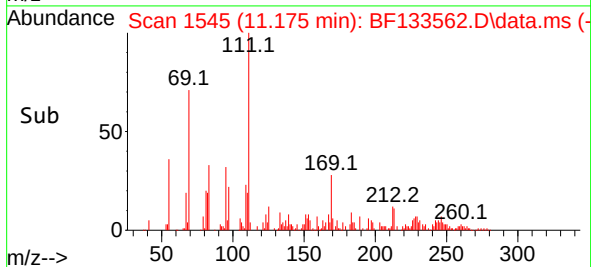
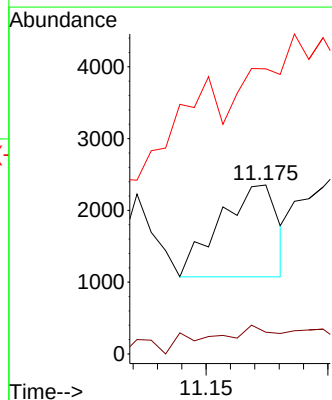
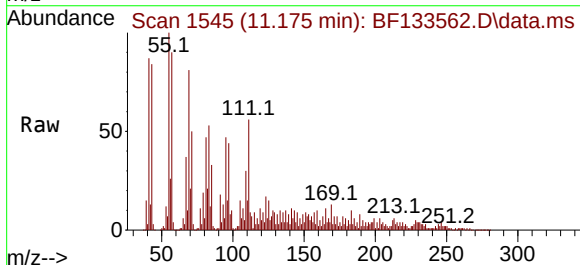
Instrument :
BNA_F
ClientSampleId :
CO-115968RE

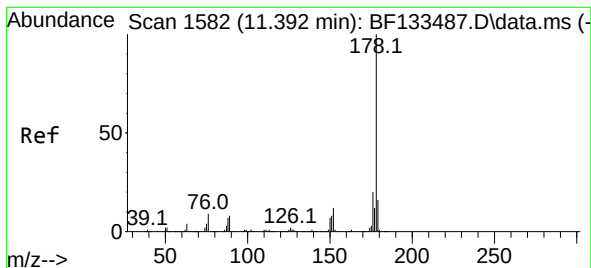
Tgt Ion:248 Resp: 5087
Ion Ratio Lower Upper
248 100
250 86.8 79.7 119.5
141 1017.0 66.6 100.0#



#70
Pentachlorophenol
Concen: 2.581 ng
RT: 11.175 min Scan# 1545
Delta R.T. 0.018 min
Lab File: BF133562.D
Acq: 02 Jun 2023 16:53

Tgt Ion:266 Resp: 2112
Ion Ratio Lower Upper
266 100
268 12.9 54.6 82.0#
264 168.7 49.2 73.8#





#71

Phenanthrene

Concen: 19.558 ng

RT: 11.416 min Scan# 1

Delta R.T. 0.029 min

Lab File: BF133562.D

Acq: 02 Jun 2023 16:53

Instrument :

BNA_F

ClientSampleId :

CO-115968RE

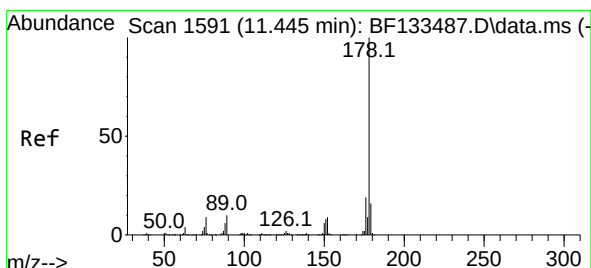
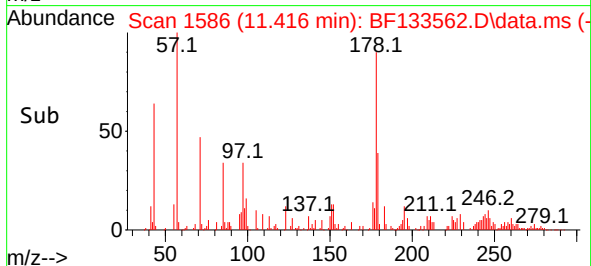
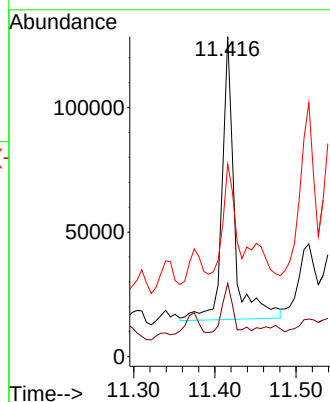
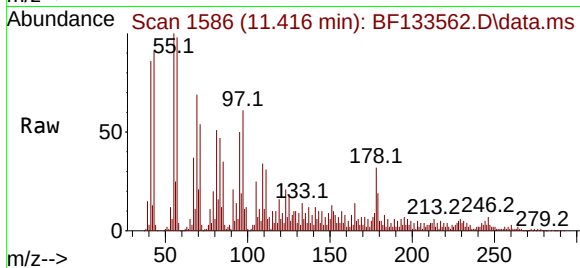
Tgt Ion:178 Resp: 122087

Ion Ratio Lower Upper

178 100

176 22.9 15.6 23.4

179 60.1 12.4 18.6#



#72

Anthracene

Concen: 6.415 ng

RT: 11.516 min Scan# 1603

Delta R.T. 0.076 min

Lab File: BF133562.D

Acq: 02 Jun 2023 16:53

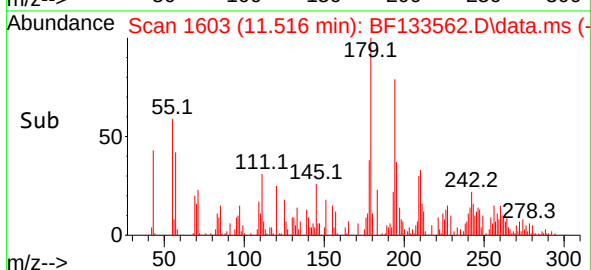
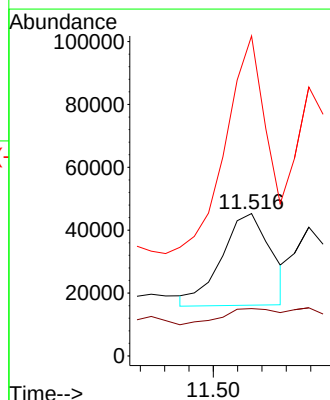
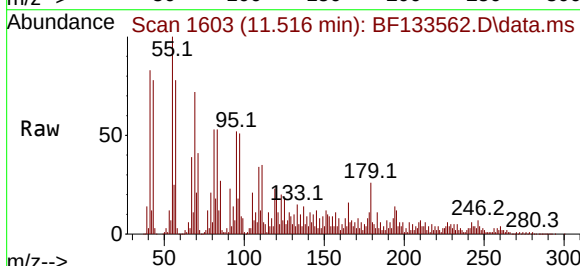
Tgt Ion:178 Resp: 41210

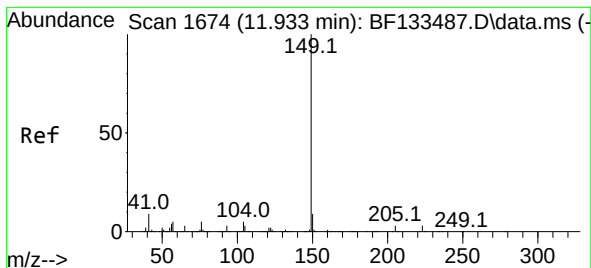
Ion Ratio Lower Upper

178 100

176 33.3 15.3 22.9#

179 224.7 12.6 18.8#





#74

Di-n-butylphthalate

Concen: 3.850 ng

RT: 11.963 min Scan# 1

Delta R.T. 0.035 min

Lab File: BF133562.D

Acq: 02 Jun 2023 16:53

Instrument :

BNA_F

ClientSampleId :

CO-115968RE

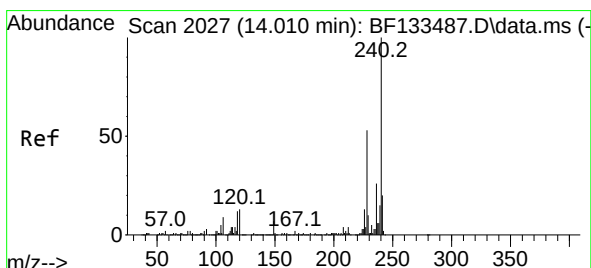
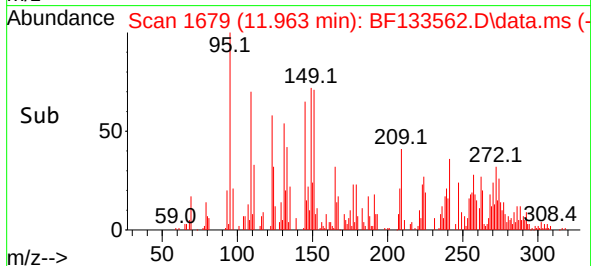
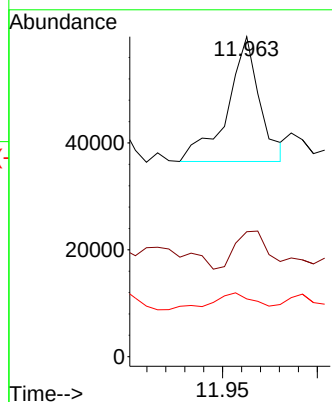
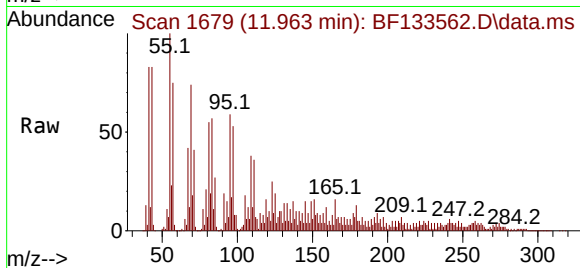
Tgt Ion:149 Resp: 27658

Ion Ratio Lower Upper

149 100

150 39.0 7.4 11.2#

104 18.1 3.9 5.9#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.029 min

Lab File: BF133562.D

Acq: 02 Jun 2023 16:53

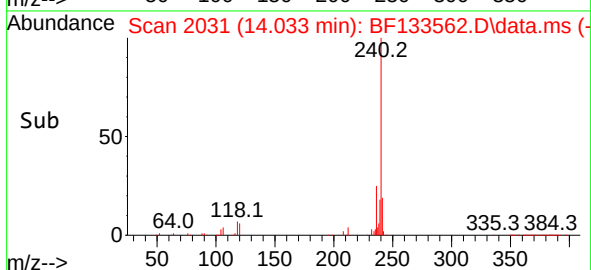
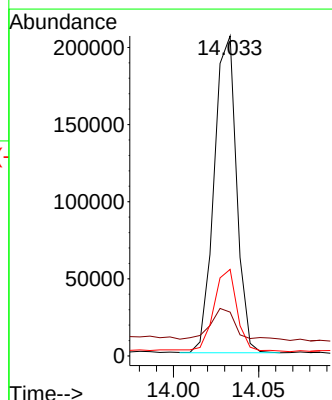
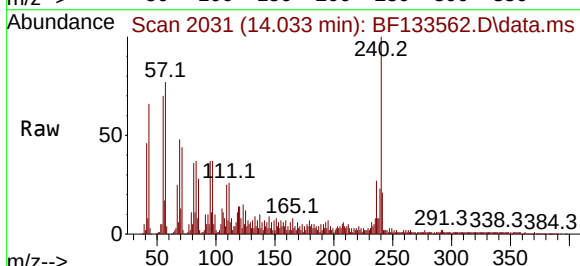
Tgt Ion:240 Resp: 188137

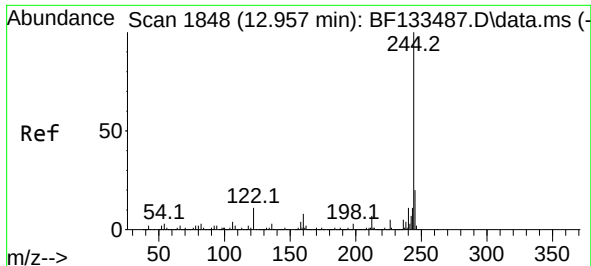
Ion Ratio Lower Upper

240 100

120 13.7 10.3 15.5

236 27.1 20.5 30.7

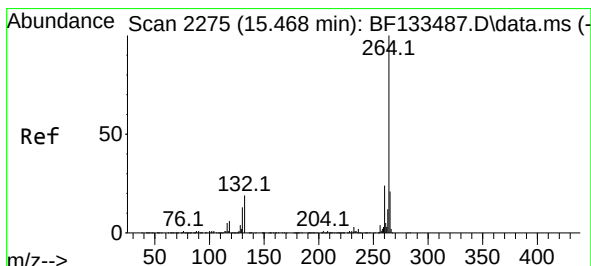
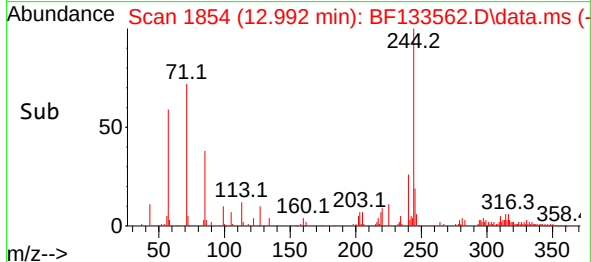
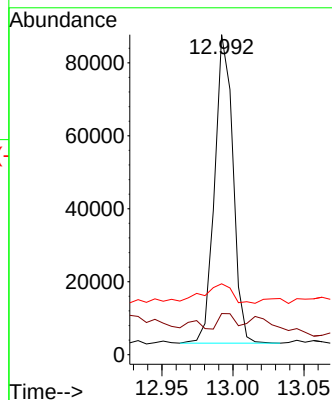
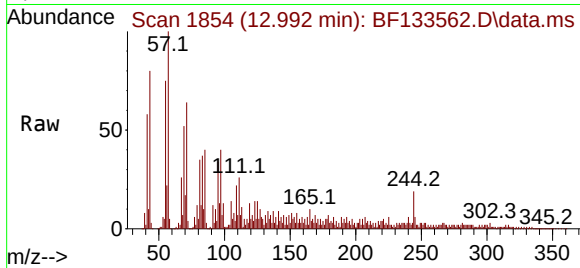




#79
 Terphenyl-d14
 Concen: 7.169 ng
 RT: 12.992 min Scan# 11
 Delta R.T. 0.041 min
 Lab File: BF133562.D
 Acq: 02 Jun 2023 16:53

Instrument :
 BNA_F
 ClientSampleId :
 CO-115968RE

Tgt Ion:244 Resp: 75862
 Ion Ratio Lower Upper
 244 100
 212 12.9 5.8 8.6#
 122 22.2 8.5 12.7#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.462 min Scan# 2274
 Delta R.T. 0.006 min
 Lab File: BF133562.D
 Acq: 02 Jun 2023 16:53

Tgt Ion:264 Resp: 258086
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.0 28.4
 265 21.9 16.8 25.2

