

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060223\
 Data File : BF133560.D
 Acq On : 02 Jun 2023 15:47
 Operator : CG\JU
 Sample : 03011-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

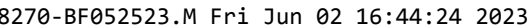
Instrument :
 BNA_F
 ClientSampleId :
 CO-115968

Quant Time: Jun 02 16:40:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 12:58:40 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	117160	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	427391	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	130513	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	128152	20.000	ng	# 0.03
76) Chrysene-d12	14.033	240	183044	20.000	ng	0.03
86) Perylene-d12	15.468	264	280953	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	121128	17.250	ng	-0.01
7) Phenol-d6	6.440	99	144417	16.707	ng	-0.02
23) Nitrobenzene-d5	7.387	82	77207	12.062	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	15465	11.887	ng	0.01
45) 2-Fluorobiphenyl	9.192	172	150600	17.810	ng	0.00
79) Terphenyl-d14	12.992	244	78068	7.583	ng	0.04
Target Compounds						
9) Benzaldehyde	6.387	77	518	Below Cal		Qvalue # 1
26) 2-Nitrophenol	7.728	139	456	4.873	ng	# 1
32) Benzoic acid	7.892	122	1020	7.556	ng	# 43
37) 2-Methylnaphthalene	8.828	142	90284	6.382	ng	99
38) 1-Methylnaphthalene	8.928	142	78554	5.957	ng	97
46) 1,1'-Biphenyl	9.292	154	24343	2.296	ng	95
48) 2-Nitroaniline	9.428	65	3008	5.108	ng	# 1
51) 2,6-Dinitrotoluene	9.645	165	11704	9.878	ng	# 62
53) 3-Nitroaniline	9.828	138	20206	11.809	ng	# 28
54) 2,4-Dinitrophenol	10.169	184	11541	22.536	ng	92
56) 4-Nitrophenol	9.986	139	16415	10.459	ng	# 1
57) 2,4-Dinitrotoluene	10.057	165	2582	5.821	ng	# 54
58) Fluorene	10.433	166	39139	4.520	ng	# 53
61) 4-Chlorophenyl-phenyle...	10.445	204	10443	2.512	ng	# 1
62) 4-Nitroaniline	10.345	138	28559	15.141	ng	85
65) 4,6-Dinitro-2-methylph...	10.504	198	3156	13.641	ng	# 1
66) n-Nitrosodiphenylamine	10.551	169	115031	27.648	ng	# 44
69) Atrazine	11.086	200	8106	7.101	ng	# 1
70) Pentachlorophenol	11.169	266	2453	2.883	ng	# 22
71) Phenanthrene	11.416	178	123577	19.039	ng	# 55
72) Anthracene	11.516	178	34975	5.236	ng	# 1
74) Di-n-butylphthalate	11.963	149	49969	6.689	ng	# 31

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

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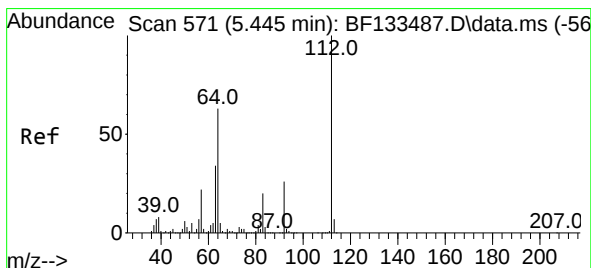
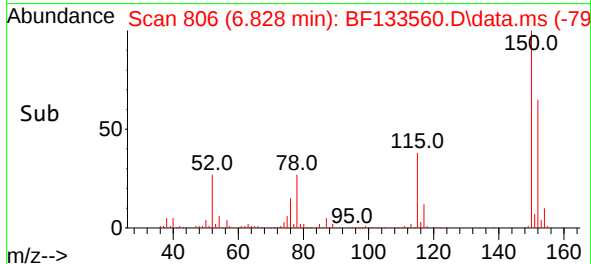
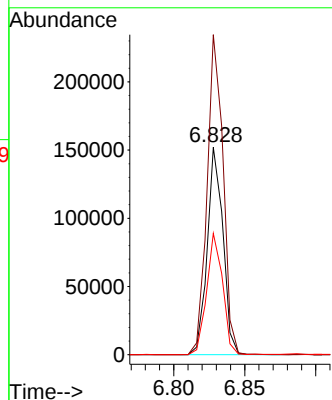
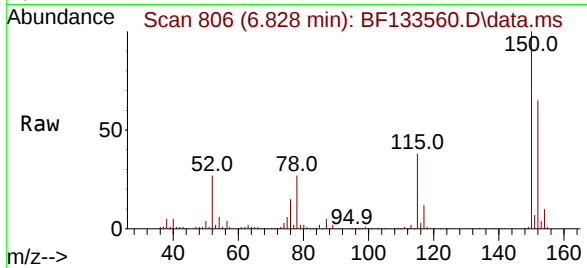




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

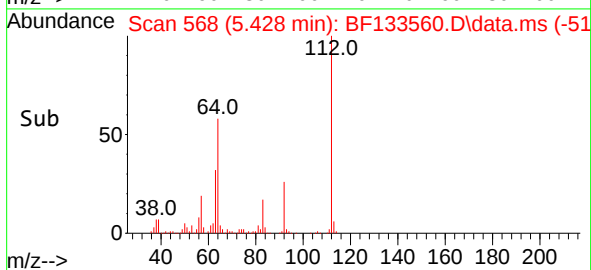
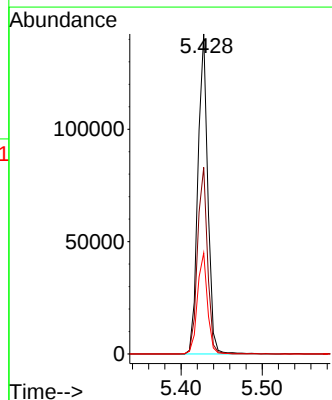
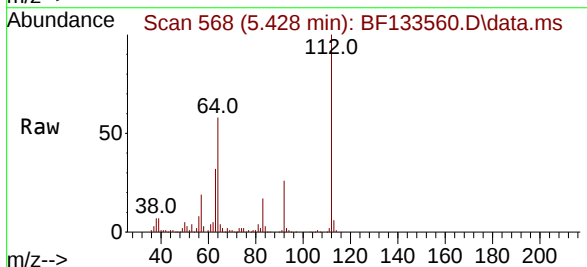
Instrument :
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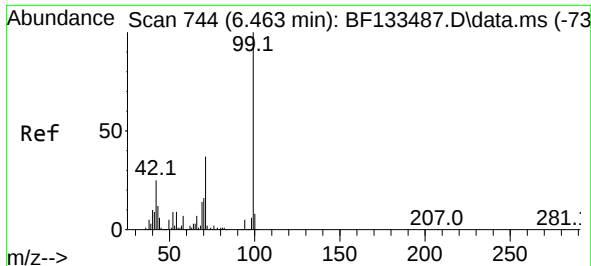
Tgt Ion:152 Resp: 117160
Ion Ratio Lower Upper
152 100
150 154.3 124.9 187.3
115 58.5 48.1 72.1



#5
2-Fluorophenol
Concen: 17.250 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

Tgt Ion:112 Resp: 121128
Ion Ratio Lower Upper
112 100
64 58.3 50.1 75.1
63 31.6 27.5 41.3

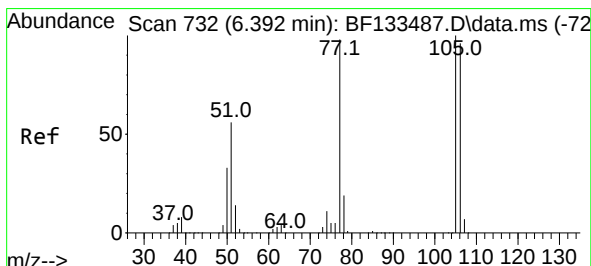
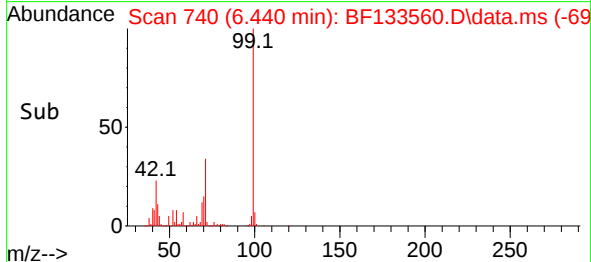
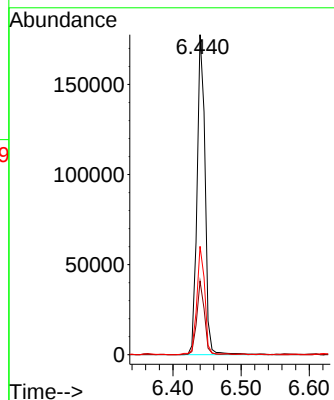
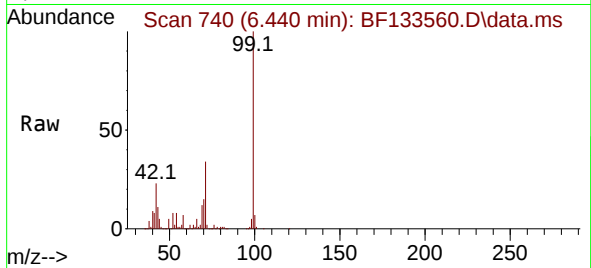




#7
Phenol-d6
Concen: 16.707 ng
RT: 6.440 min Scan# 744
Delta R.T. -0.024 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

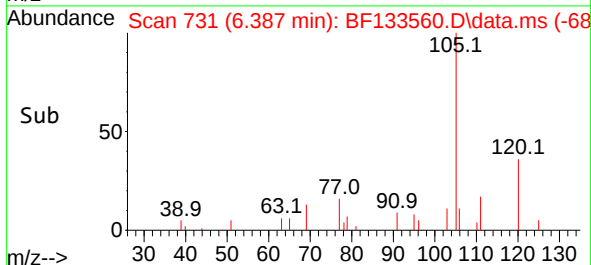
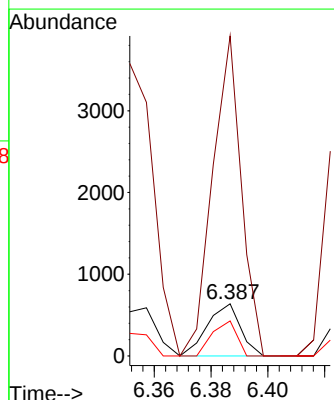
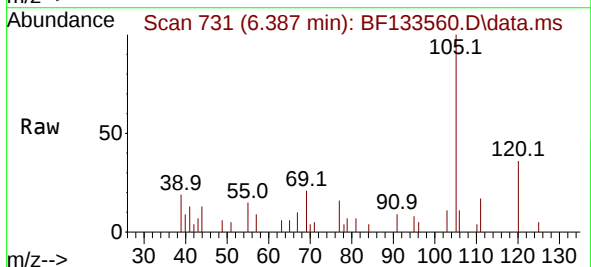
Instrument :
BNA_F
ClientSampleId :
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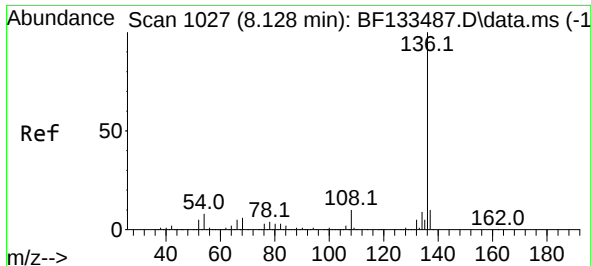
Tgt Ion: 99 Resp: 144417
Ion Ratio Lower Upper
99 100
42 23.0 19.7 29.5
71 33.9 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 731
Delta R.T. -0.000 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

Tgt Ion: 77 Resp: 518
Ion Ratio Lower Upper
77 100
105 612.7 81.9 121.9#
106 67.1 77.8 117.8#

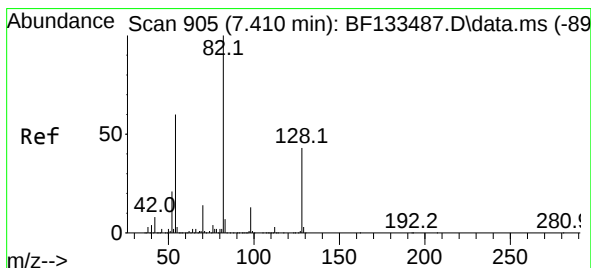
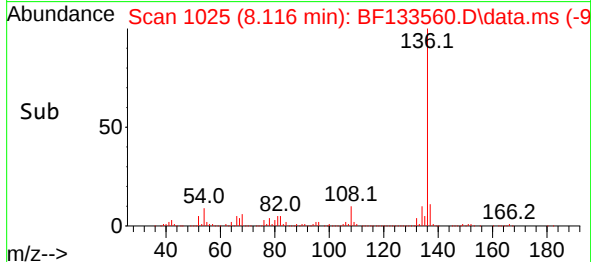
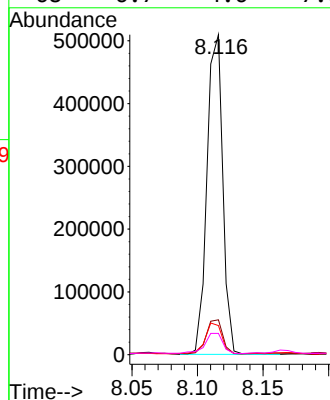
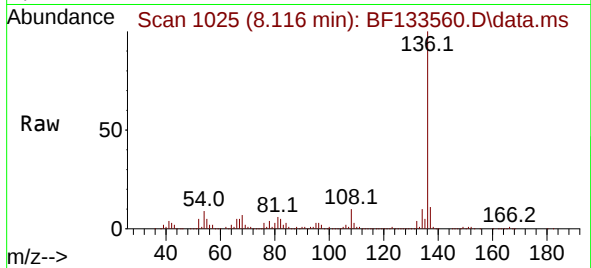




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

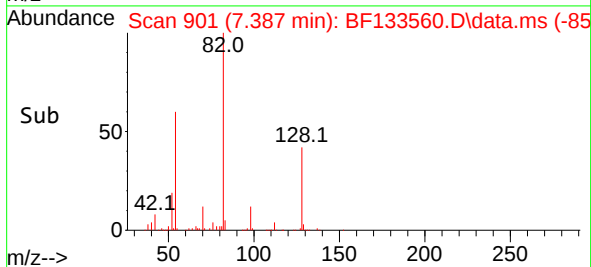
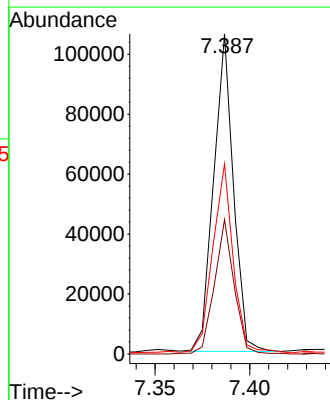
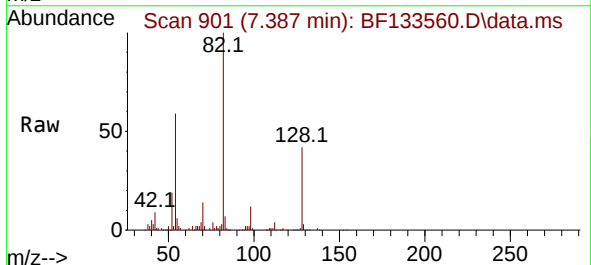
Instrument :
BNA_F
ClientSampleId :
CO-115968

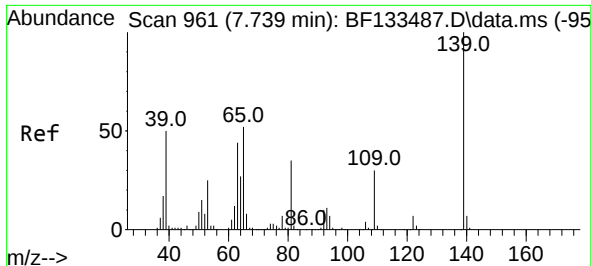
Tgt Ion:136 Resp: 427391
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.4
54 9.1 6.6 10.0
68 6.7 4.6 7.0



#23
Nitrobenzene-d5
Concen: 12.062 ng
RT: 7.387 min Scan# 901
Delta R.T. -0.018 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

Tgt Ion: 82 Resp: 77207
Ion Ratio Lower Upper
82 100
128 42.0 34.2 51.4
54 59.4 48.2 72.4

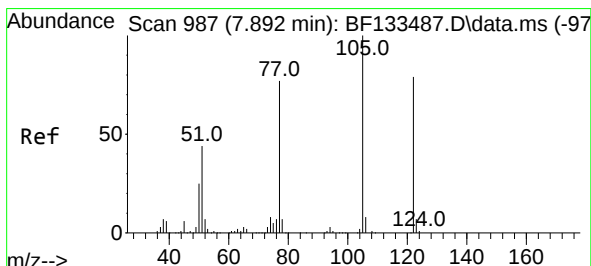
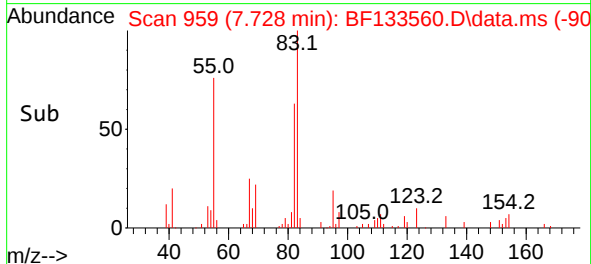
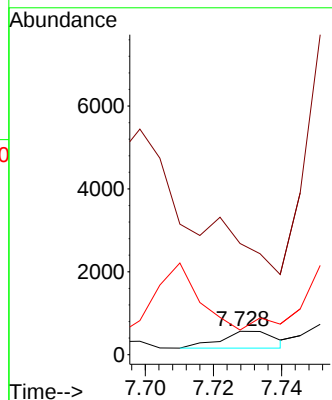
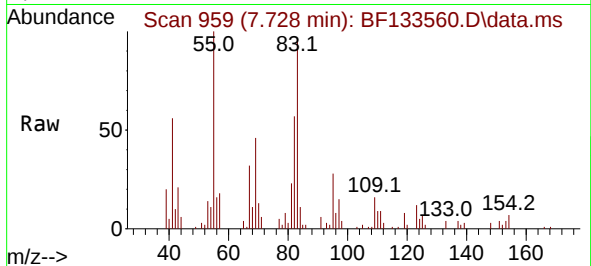




#26
2-Nitrophenol
Concen: 4.873 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

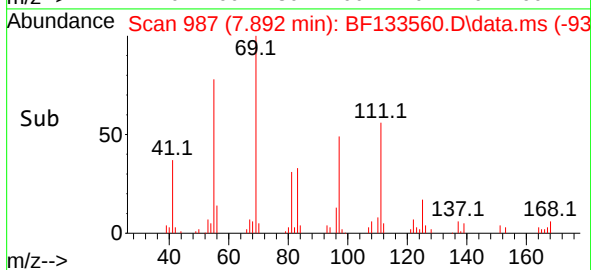
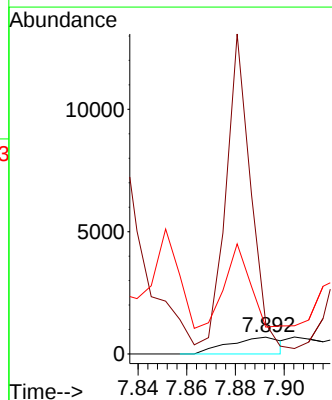
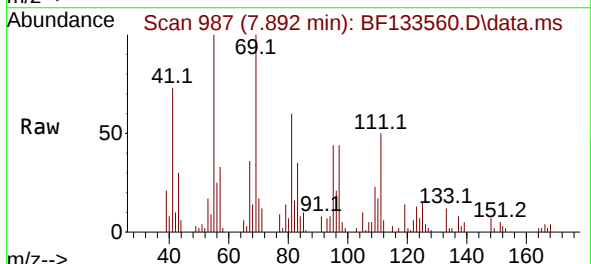
Instrument :
BNA_F
ClientSampleId :
CO-115968

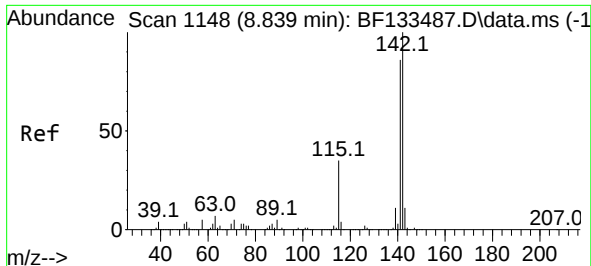
Tgt Ion:139 Resp: 456
Ion Ratio Lower Upper
139 100
109 474.9 24.0 36.0#
65 105.3 41.7 62.5#



#32
Benzoic acid
Concen: 7.556 ng
RT: 7.892 min Scan# 987
Delta R.T. 0.012 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

Tgt Ion:122 Resp: 1020
Ion Ratio Lower Upper
122 100
105 179.1 103.3 143.3#
77 160.2 75.7 115.7#

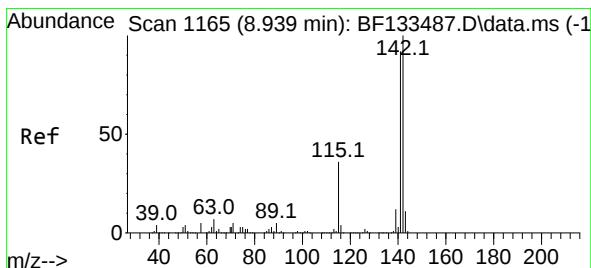
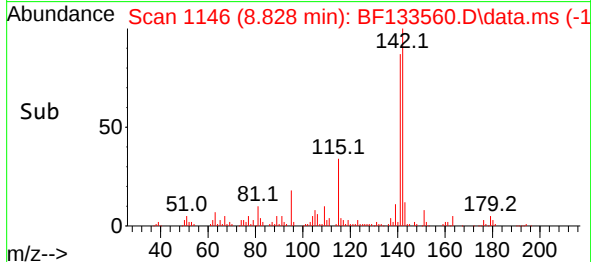
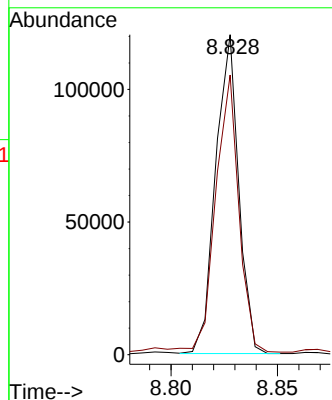
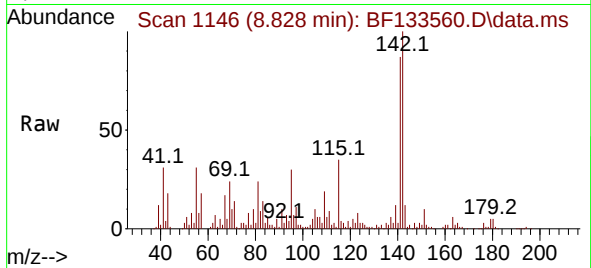




#37
2-Methylnaphthalene
Concen: 6.382 ng
RT: 8.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

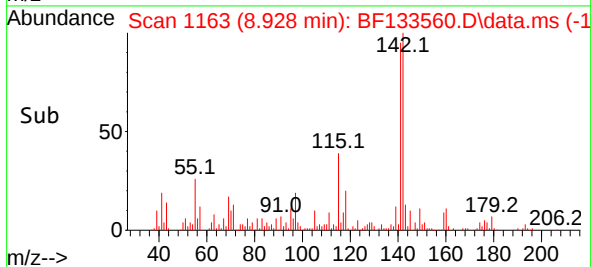
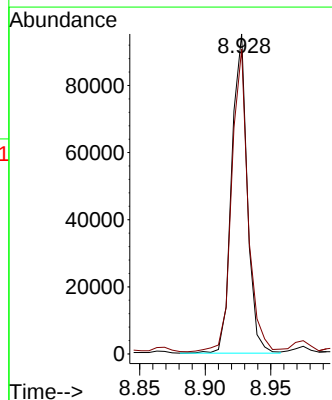
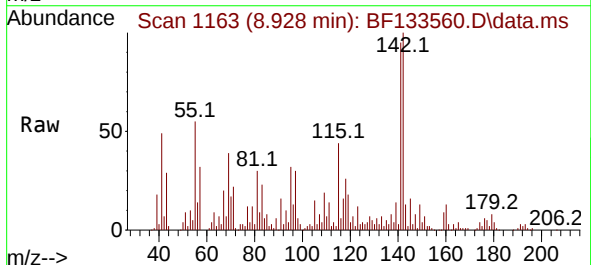
Instrument :
BNA_F
ClientSampleId :
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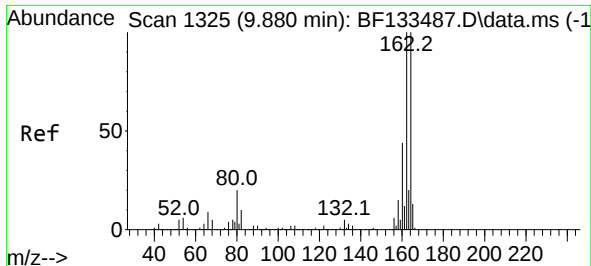
Tgt Ion:142 Resp: 90284
Ion Ratio Lower Upper
142 100
141 87.4 69.2 103.8



#38
1-Methylnaphthalene
Concen: 5.957 ng
RT: 8.928 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

Tgt Ion:142 Resp: 78554
Ion Ratio Lower Upper
142 100
141 95.3 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

Instrument :

BNA_F

ClientSampleId :

CO-115968

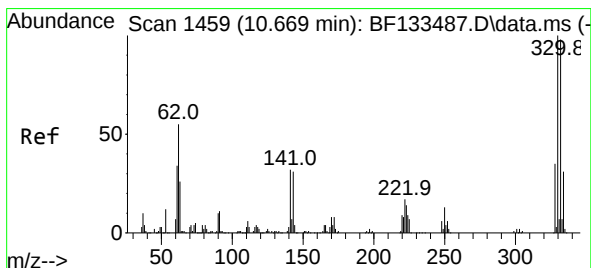
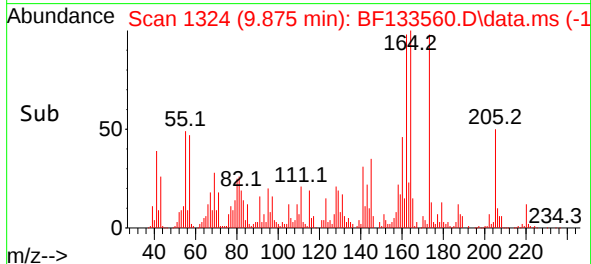
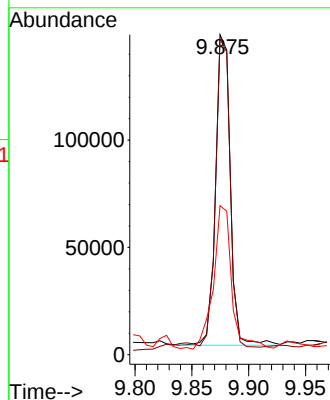
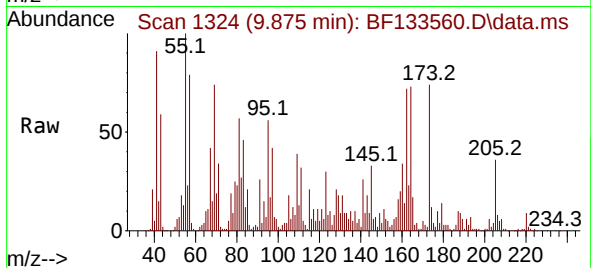
Tgt Ion:164 Resp: 130513

Ion Ratio Lower Upper

164 100

162 98.7 79.7 119.5

160 46.5 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 11.887 ng

RT: 10.675 min Scan# 1460

Delta R.T. 0.012 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

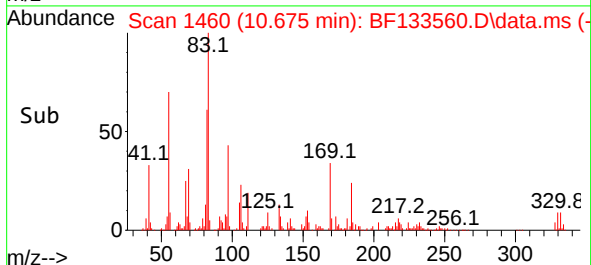
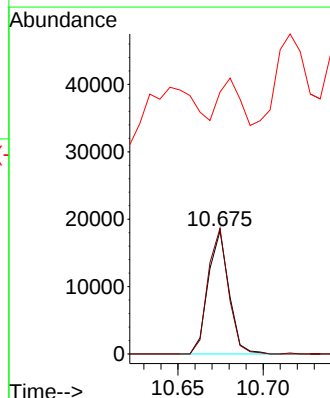
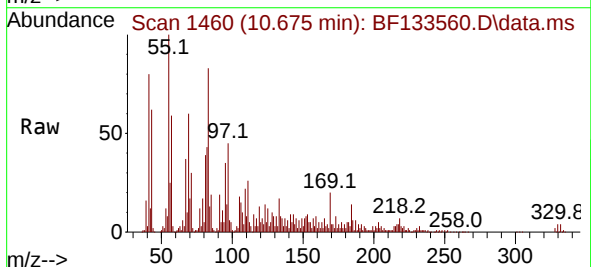
Tgt Ion:330 Resp: 15465

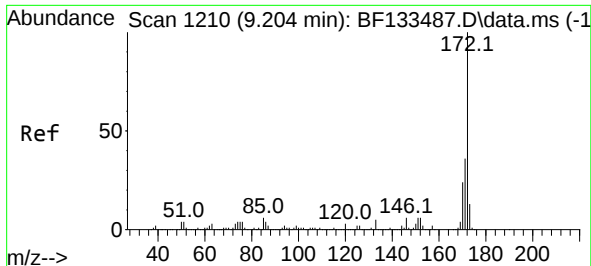
Ion Ratio Lower Upper

330 100

332 100.4 77.8 116.6

141 36.4 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 17.810 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

Instrument :

BNA_F

ClientSampleId :

CO-115968

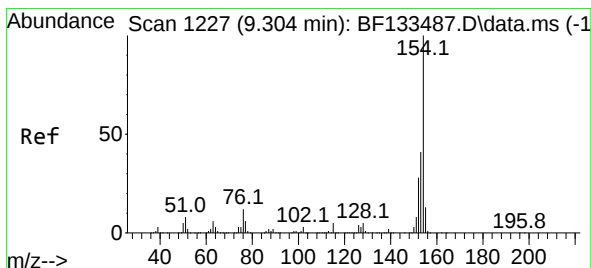
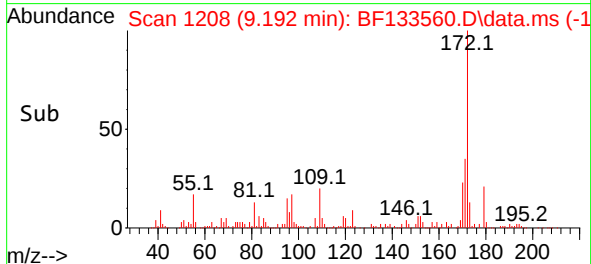
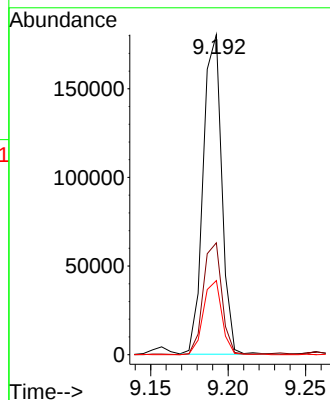
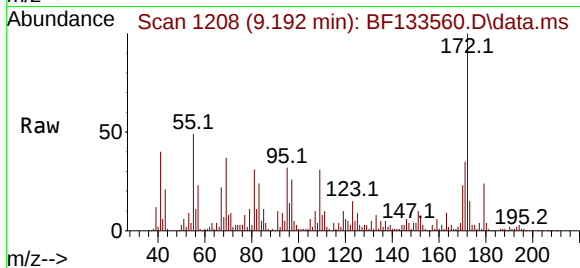
Tgt Ion:172 Resp: 150600

Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.2 19.3 28.9



#46

1,1'-Biphenyl

Concen: 2.296 ng

RT: 9.292 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

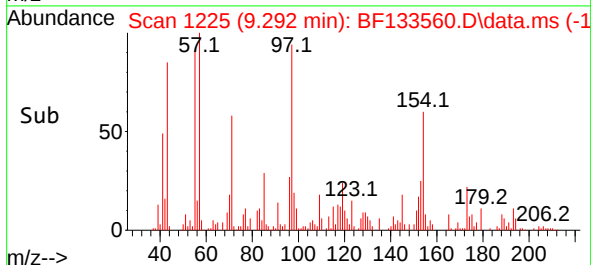
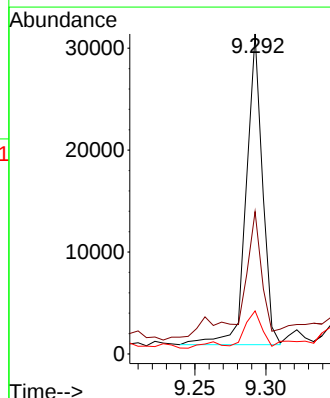
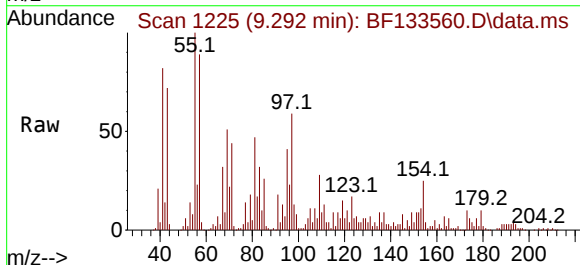
Tgt Ion:154 Resp: 24343

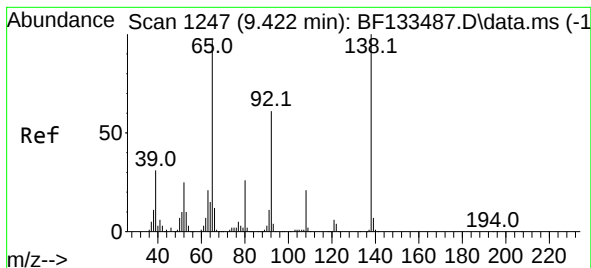
Ion Ratio Lower Upper

154 100

153 44.5 21.0 61.0

76 13.4 0.0 32.5





#48

2-Nitroaniline

Concen: 5.108 ng

RT: 9.428 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

Instrument :

BNA_F

ClientSampleId :

CO-115968

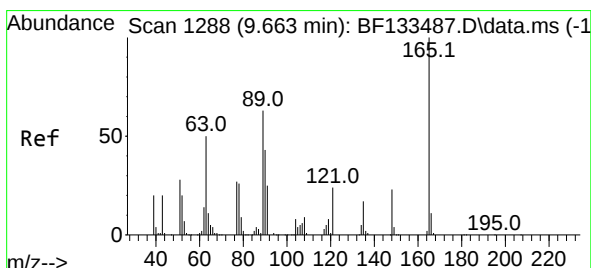
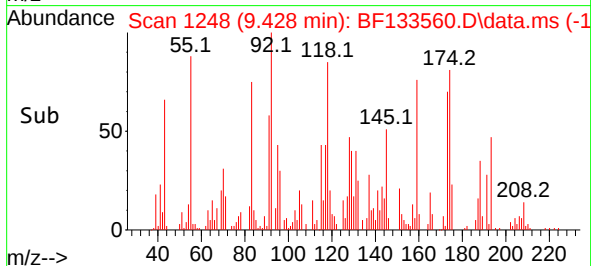
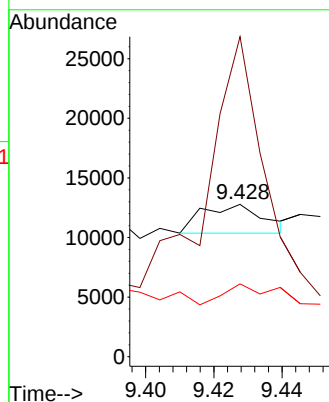
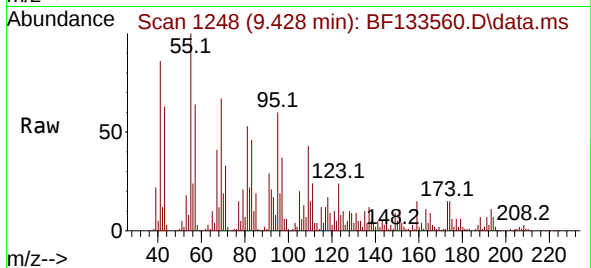
Tgt Ion: 65 Resp: 3008

Ion Ratio Lower Upper

65 100

92 210.0 50.8 76.2#

138 47.8 82.6 124.0#



#51

2,6-Dinitrotoluene

Concen: 9.878 ng

RT: 9.645 min Scan# 1285

Delta R.T. -0.012 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

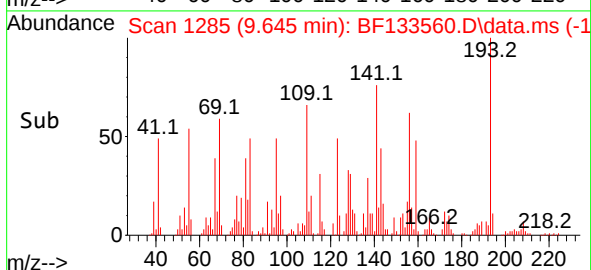
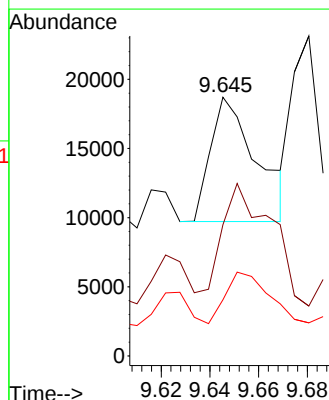
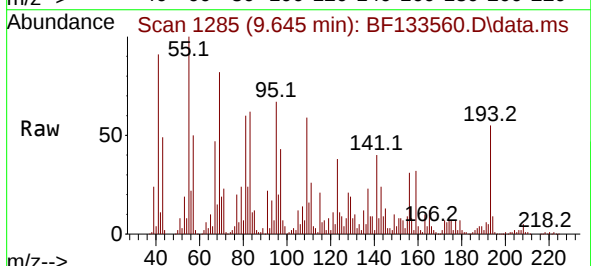
Tgt Ion: 165 Resp: 11704

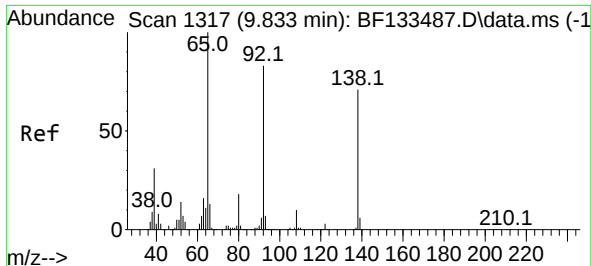
Ion Ratio Lower Upper

165 100

63 50.7 57.0 85.4#

89 21.7 50.8 76.2#

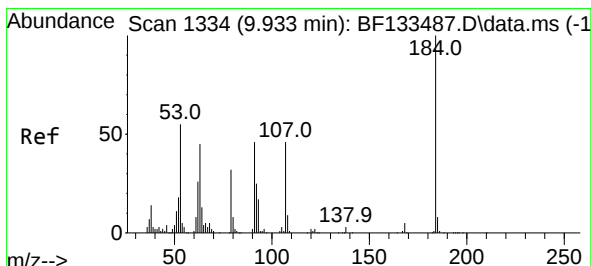
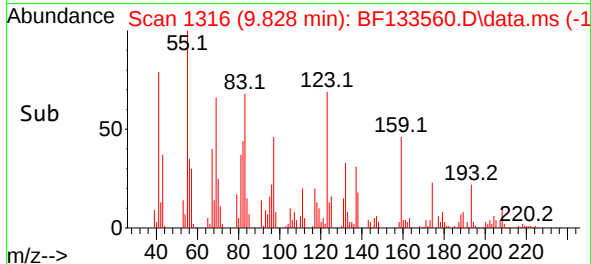
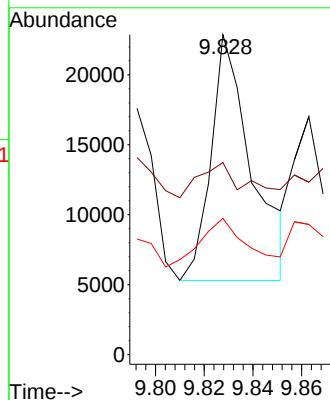
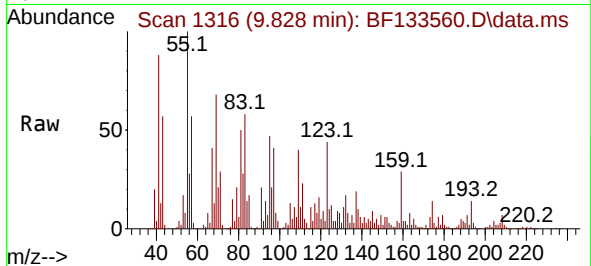




#53
3-Nitroaniline
Concen: 11.809 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

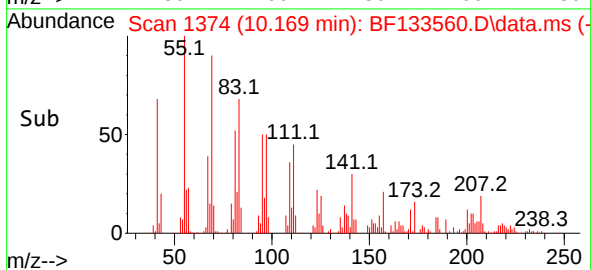
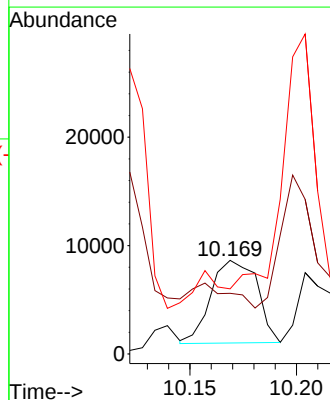
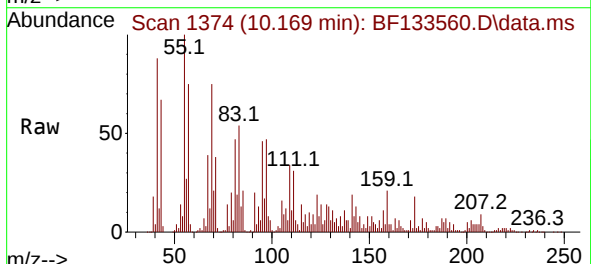
Instrument :
BNA_F
ClientSampleId :
CO-115968

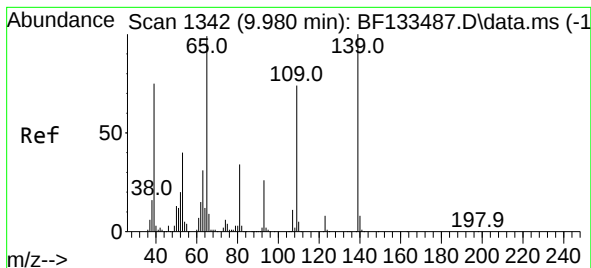
Tgt Ion:138 Resp: 20206
Ion Ratio Lower Upper
138 100
108 60.0 11.9 17.9#
92 42.6 93.1 139.7#



#54
2,4-Dinitrophenol
Concen: 22.536 ng
RT: 10.169 min Scan# 1374
Delta R.T. 0.241 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

Tgt Ion:184 Resp: 11541
Ion Ratio Lower Upper
184 100
63 64.8 55.7 83.5
154 69.6 49.3 73.9

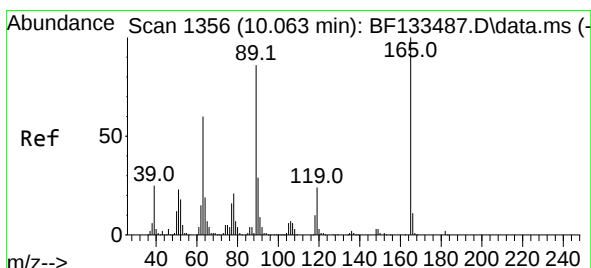
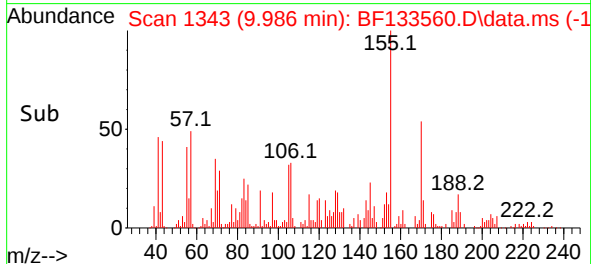
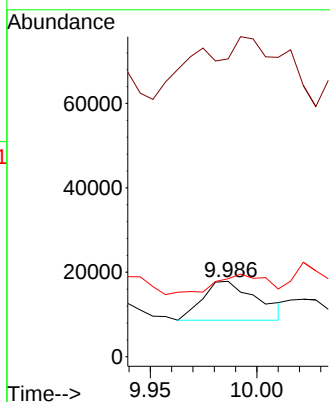
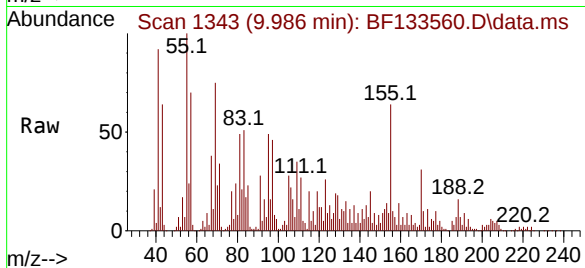




#56
4-Nitrophenol
Concen: 10.459 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.012 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

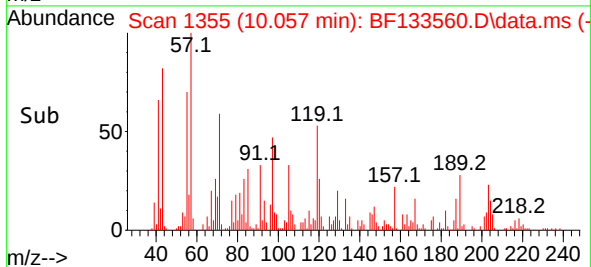
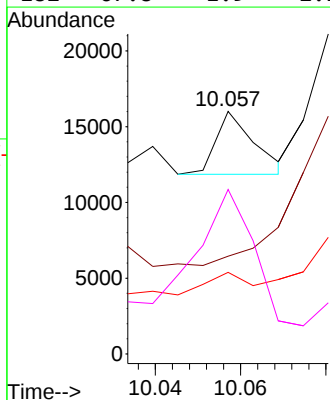
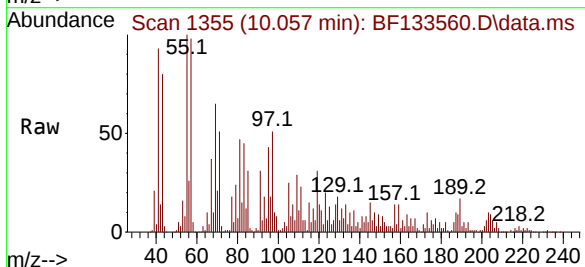
Instrument :
BNA_F
ClientSampleId :
CO-115968

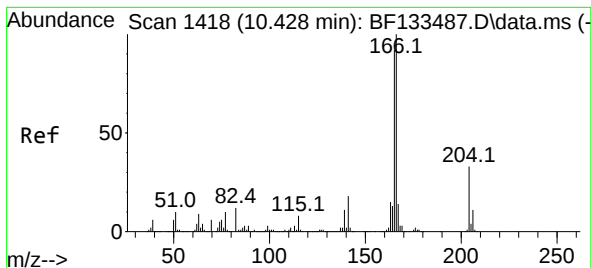
Tgt Ion:139 Resp: 16415
Ion Ratio Lower Upper
139 100
109 395.5 54.5 94.5#
65 103.4 79.5 119.5



#57
2,4-Dinitrotoluene
Concen: 5.821 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

Tgt Ion:165 Resp: 2582
Ion Ratio Lower Upper
165 100
63 40.3 48.1 72.1#
89 33.6 68.4 102.6#
182 67.8 1.9 2.9#





#58

Fluorene

Concen: 4.520 ng

RT: 10.433 min Scan# 1418

Delta R.T. 0.012 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

Instrument :

BNA_F

ClientSampleId :

CO-115968

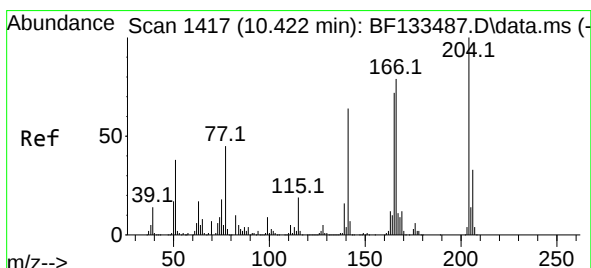
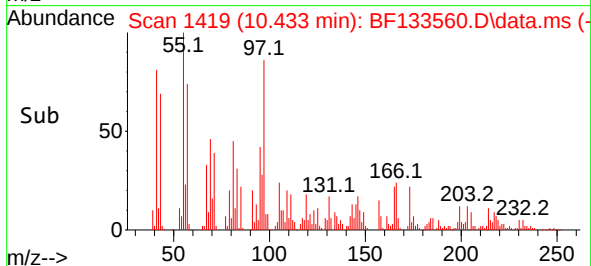
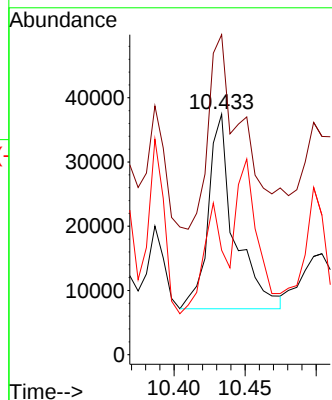
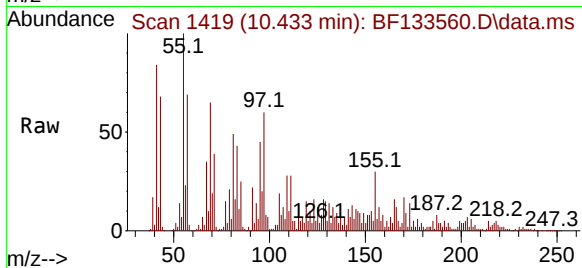
Tgt Ion:166 Resp: 39139

Ion Ratio Lower Upper

166 100

165 133.0 73.4 110.0#

167 43.5 10.9 16.3#



#61

4-Chlorophenyl-phenylether

Concen: 2.512 ng

RT: 10.445 min Scan# 1421

Delta R.T. 0.029 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

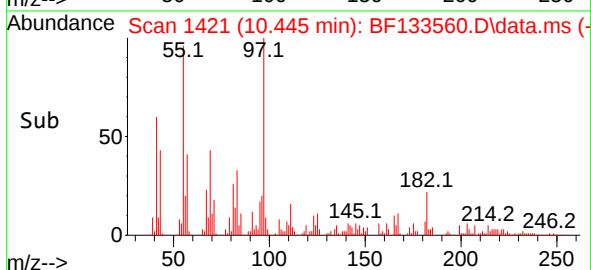
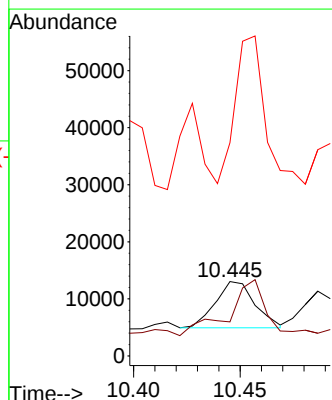
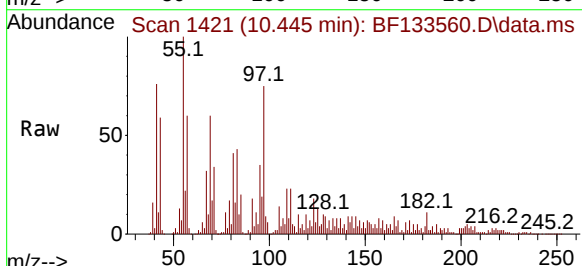
Tgt Ion:204 Resp: 10443

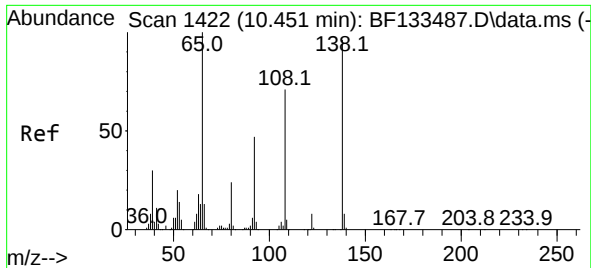
Ion Ratio Lower Upper

204 100

206 45.9 26.2 39.2#

141 286.7 51.4 77.2#

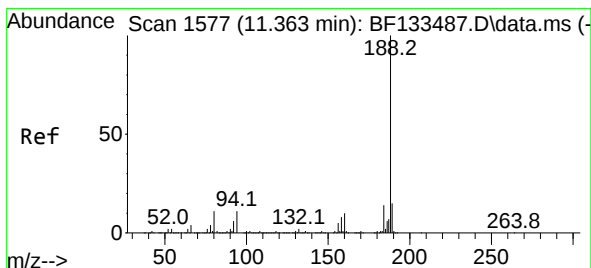
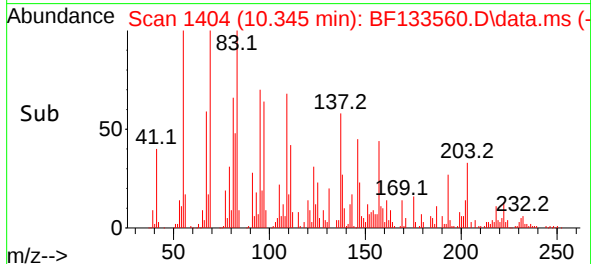
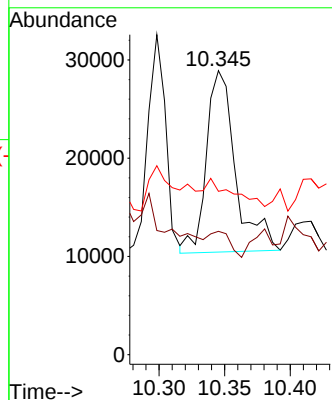
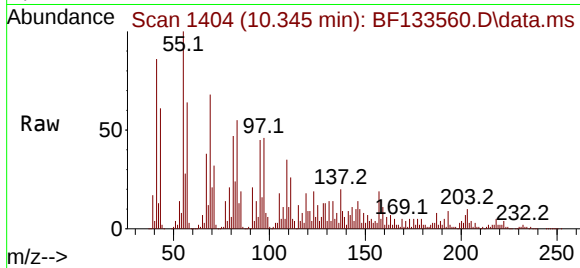




#62
4-Nitroaniline
Concen: 15.141 ng
RT: 10.345 min Scan# 1422
Delta R.T. -0.094 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

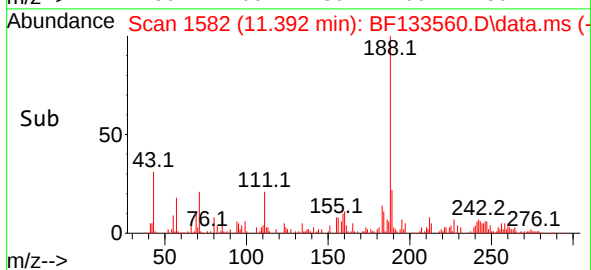
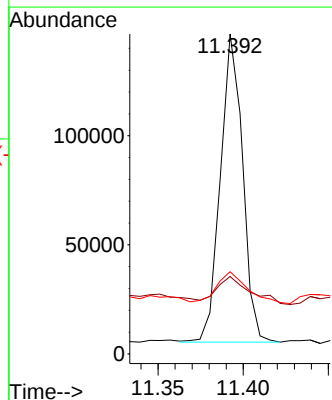
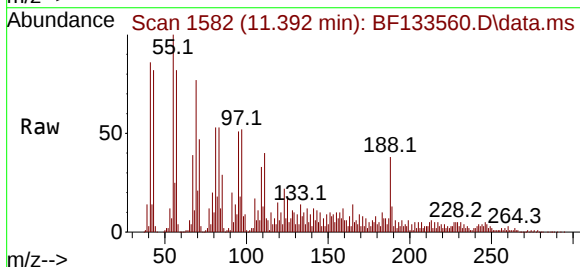
Instrument :
BNA_F
ClientSampleId :
CO-115968

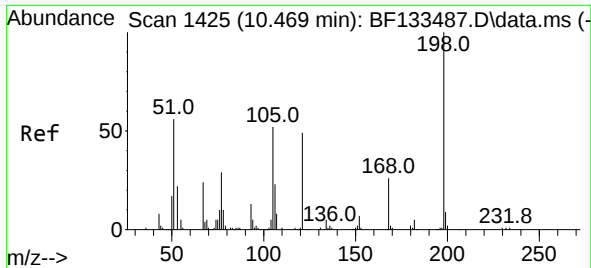
Tgt Ion:138 Resp: 28559
Ion Ratio Lower Upper
138 100
92 43.4 28.4 68.4
108 57.5 54.2 94.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.029 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

Tgt Ion:188 Resp: 128152
Ion Ratio Lower Upper
188 100
94 24.2 8.6 12.8#
80 25.7 9.2 13.8#

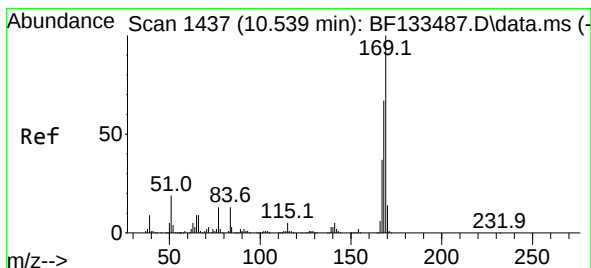
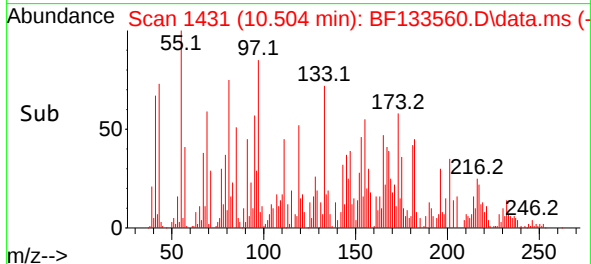
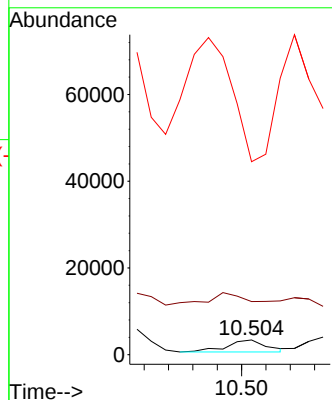
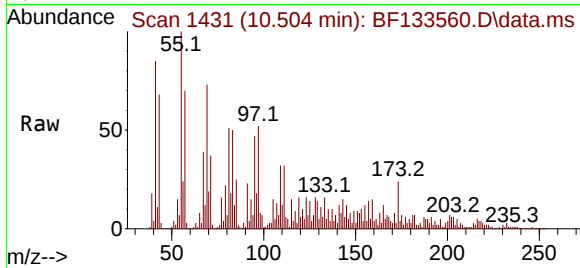




#65
4,6-Dinitro-2-methylphenol
Concen: 13.641 ng
RT: 10.504 min Scan# 1425
Delta R.T. 0.035 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

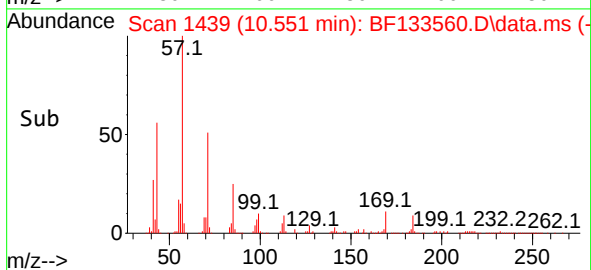
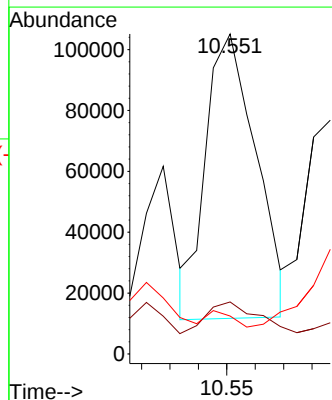
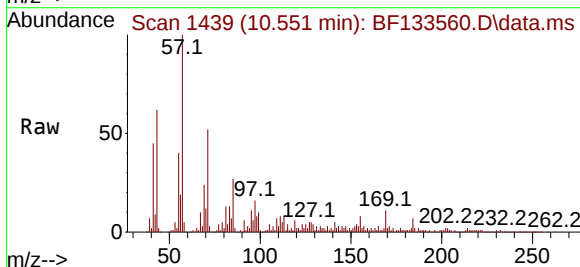
Instrument :
BNA_F
ClientSampleId :
CO-115968

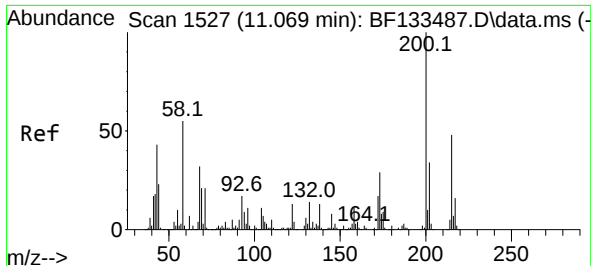
Tgt Ion:198 Resp: 3156
Ion Ratio Lower Upper
198 100
51 359.6 53.6 93.6#
105 1307.6 35.9 75.9#



#66
n-Nitrosodiphenylamine
Concen: 27.648 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.018 min
Lab File: BF133560.D
Acq: 02 Jun 2023 15:47

Tgt Ion:169 Resp: 115031
Ion Ratio Lower Upper
169 100
168 16.3 53.7 80.5#
167 11.9 29.6 44.4#





#69

Atrazine

Concen: 7.101 ng

RT: 11.086 min Scan# 1530

Delta R.T. 0.023 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

Instrument :

BNA_F

ClientSampleId :

CO-115968

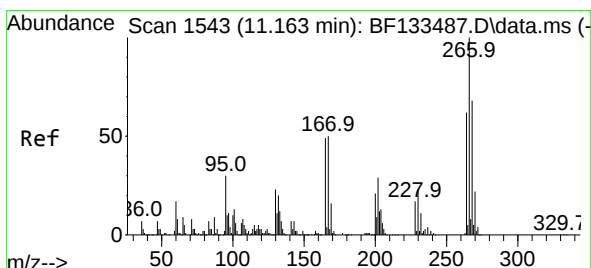
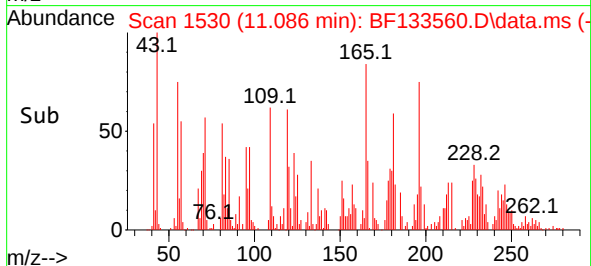
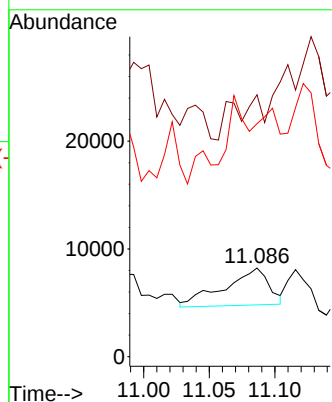
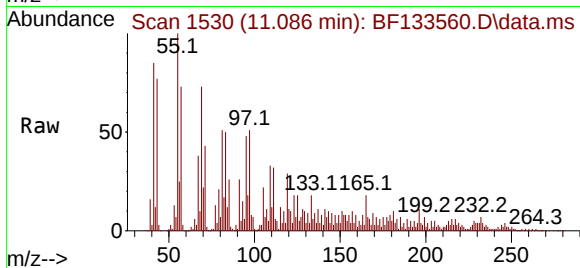
Tgt Ion:200 Resp: 8106

Ion Ratio Lower Upper

200 100

173 295.3 9.0 49.0#

215 262.6 27.6 67.6#



#70

Pentachlorophenol

Concen: 2.883 ng

RT: 11.169 min Scan# 1544

Delta R.T. 0.012 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

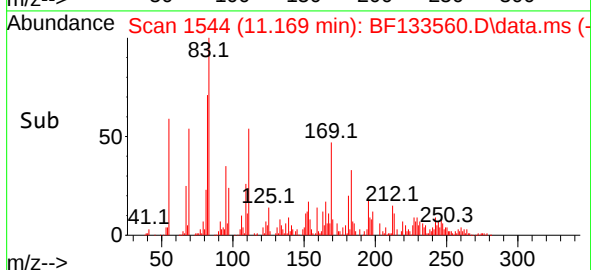
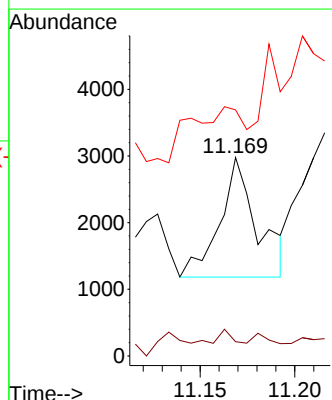
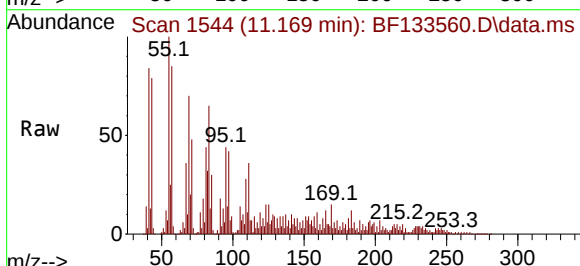
Tgt Ion:266 Resp: 2453

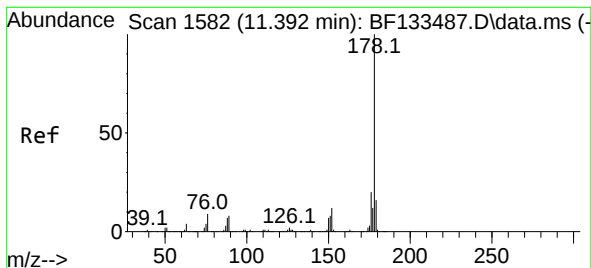
Ion Ratio Lower Upper

266 100

268 7.2 54.6 82.0#

264 124.1 49.2 73.8#





#71

Phenanthrene

Concen: 19.039 ng

RT: 11.416 min Scan# 1

Delta R.T. 0.029 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

Instrument :

BNA_F

ClientSampleId :

CO-115968

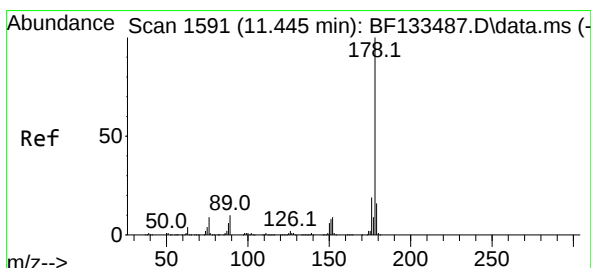
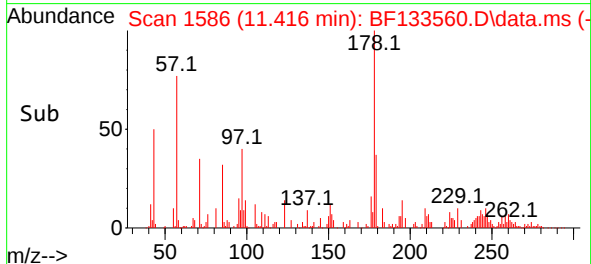
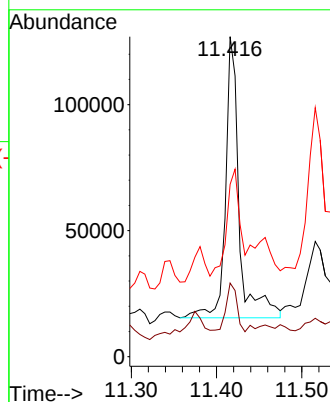
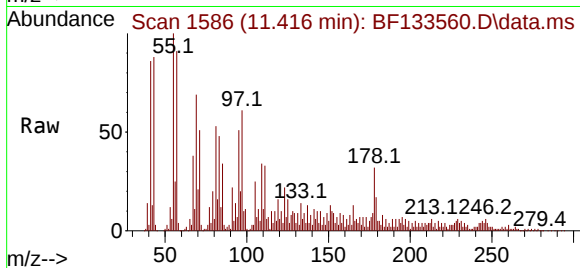
Tgt Ion:178 Resp: 123577

Ion Ratio Lower Upper

178 100

176 23.0 15.6 23.4

179 53.9 12.4 18.6#



#72

Anthracene

Concen: 5.236 ng

RT: 11.516 min Scan# 1603

Delta R.T. 0.076 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

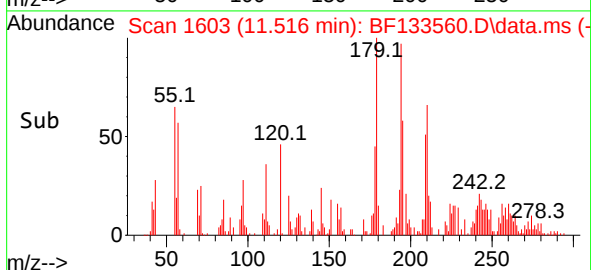
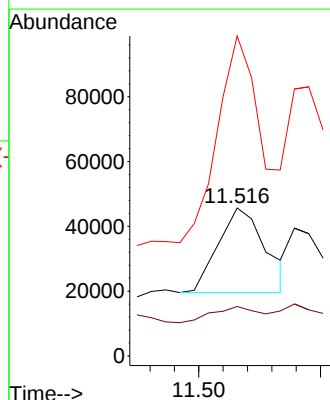
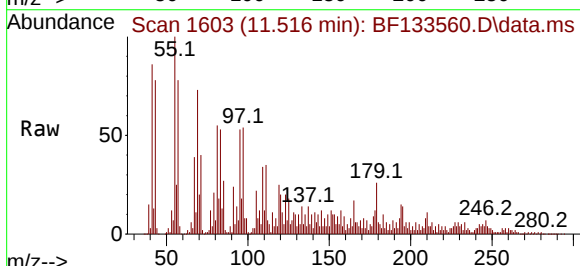
Tgt Ion:178 Resp: 34975

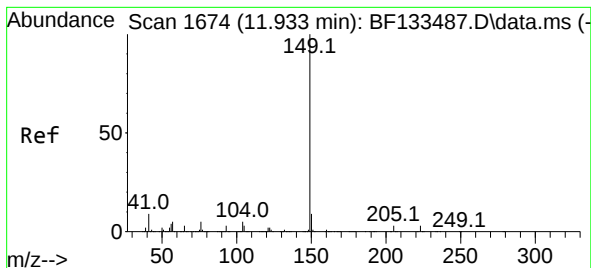
Ion Ratio Lower Upper

178 100

176 33.4 15.3 22.9#

179 216.1 12.6 18.8#





#74

Di-n-butylphthalate

Concen: 6.689 ng

RT: 11.963 min Scan# 1

Delta R.T. 0.035 min

Lab File: BF133560.D

Acq: 02 Jun 2023 15:47

Instrument :

BNA_F

ClientSampleId :

CO-115968

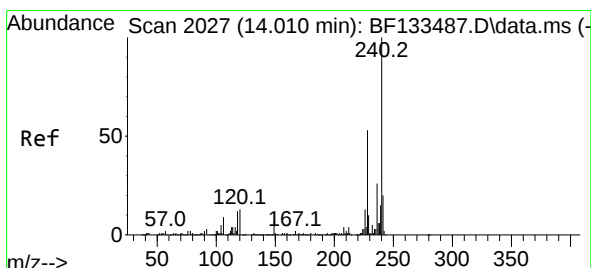
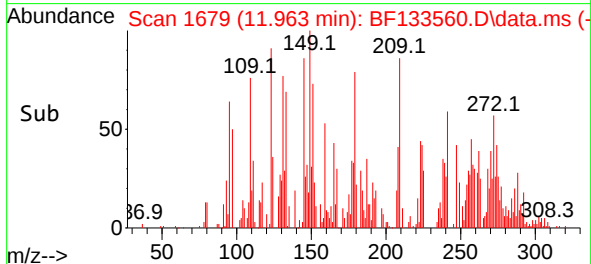
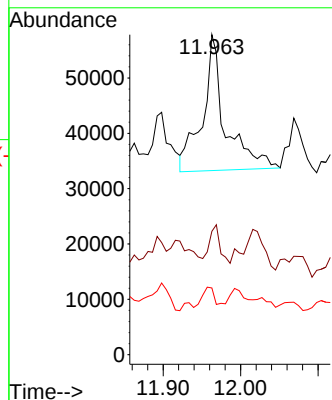
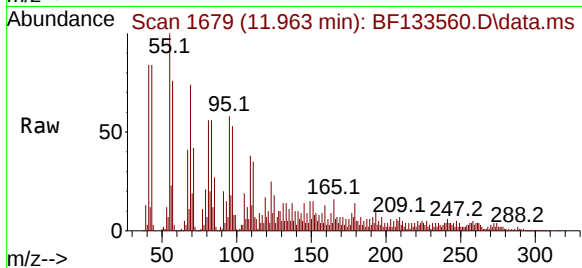
Tgt Ion:149 Resp: 49969

Ion Ratio Lower Upper

149 100

150 38.6 7.4 11.2#

104 20.9 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: BF133560.D

Acq: 02 Jun 2023 15:47

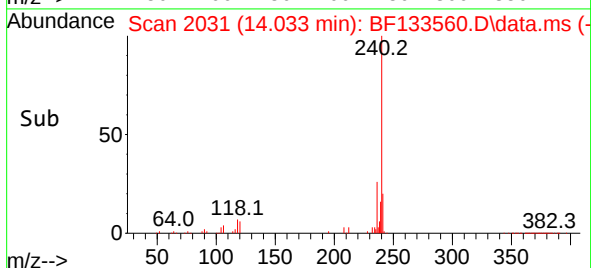
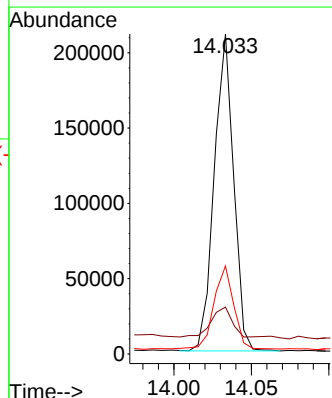
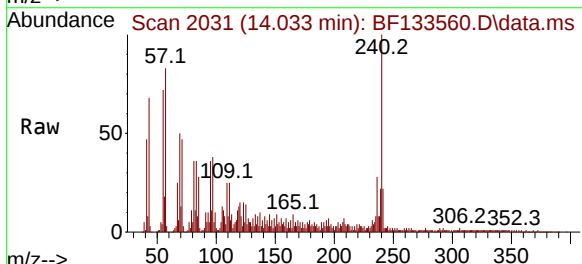
Tgt Ion:240 Resp: 183044

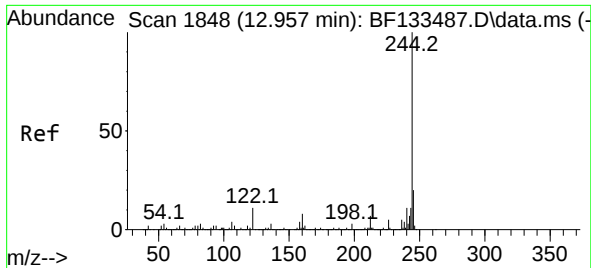
Ion Ratio Lower Upper

240 100

120 14.7 10.3 15.5

236 27.5 20.5 30.7

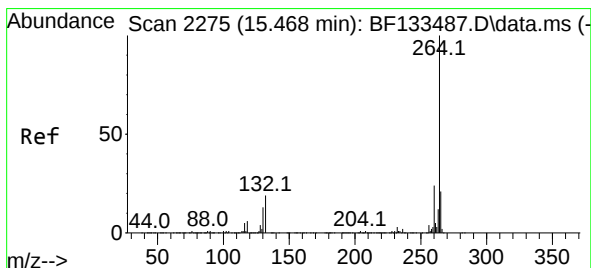
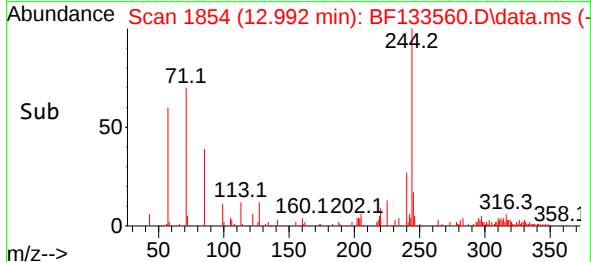
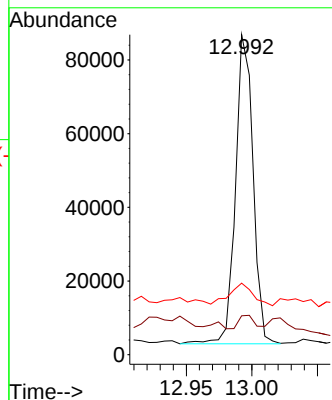
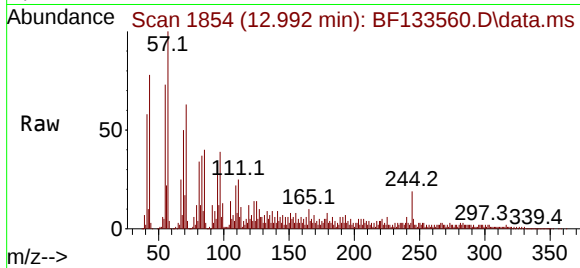




#79
 Terphenyl-d14
 Concen: 7.583 ng
 RT: 12.992 min Scan# 1854
 Delta R.T. 0.041 min
 Lab File: BF133560.D
 Acq: 02 Jun 2023 15:47

Instrument :
 BNA_F
 ClientSampleId :
 CO-115968

Tgt Ion:244 Resp: 78068
 Ion Ratio Lower Upper
 244 100
 212 12.2 5.8 8.6#
 122 22.4 8.5 12.7#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 2275
 Delta R.T. 0.012 min
 Lab File: BF133560.D
 Acq: 02 Jun 2023 15:47

Tgt Ion:264 Resp: 280953
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.0 28.4
 265 21.2 16.8 25.2

