

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133168.D
 Acq On : 01 May 2023 21:44
 Operator : CG\JU
 Sample : 02558-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS011-0006-02

Quant Time: May 02 05:23:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 01 15:02:31 2023
 Response via : Initial Calibration

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

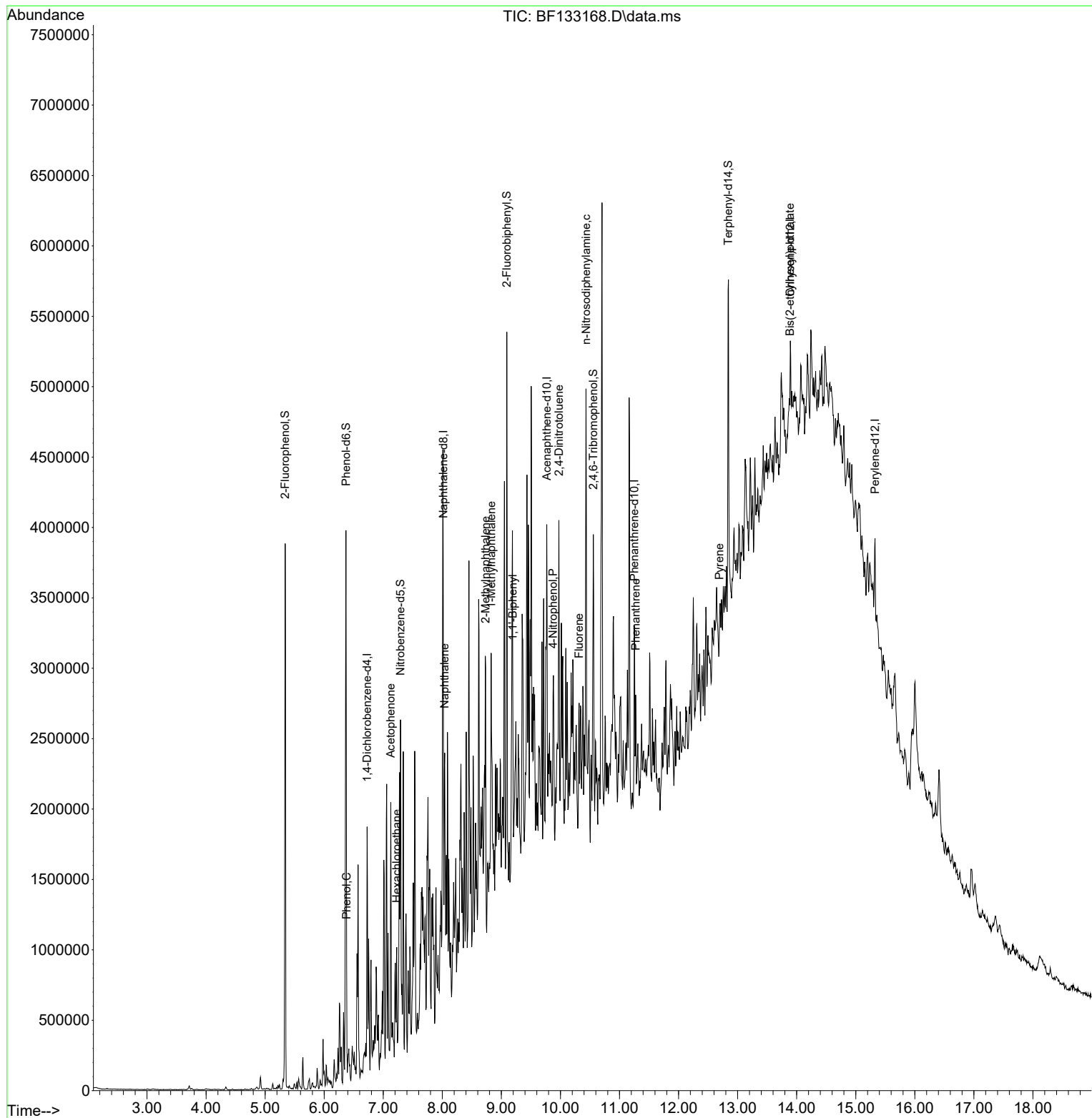
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	208881	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	677903	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	340737	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	548974	20.000	ng	0.00
76) Chrysene-d12	13.892	240	278627	20.000	ng	# 0.00
86) Perylene-d12	15.327	264	342548	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1156275	83.621	ng	0.00
7) Phenol-d6	6.369	99	1414107	82.393	ng	0.00
23) Nitrobenzene-d5	7.292	82	688371	54.810	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	264019	77.046	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1156374	56.777	ng	0.00
79) Terphenyl-d14	12.839	244	848536	52.523	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.287	77	6176	Below Cal	#	1
10) Phenol	6.381	94	124089	6.554	ng	96
18) Hexachloroethane	7.228	117	18353	3.529	ng	# 1
22) Acetophenone	7.128	105	186143	11.854	ng	# 46
31) Naphthalene	8.039	128	357051	10.535	ng	97
37) 2-Methylnaphthalene	8.733	142	574299	24.784	ng	99
38) 1-Methylnaphthalene	8.828	142	379780	17.520	ng	100
46) 1,1'-Biphenyl	9.192	154	62222	2.303	ng	97
56) 4-Nitrophenol	9.874	139	29178	5.925	ng	# 28
57) 2,4-Dinitrotoluene	9.975	165	20205	2.963	ng	# 61
58) Fluorene	10.316	166	83141	3.931	ng	# 85
66) n-Nitrosodiphenylamine	10.433	169	134884	7.575	ng	# 48
71) Phenanthrene	11.274	178	215592	7.307	ng	# 93
78) Pyrene	12.692	202	53348	2.234	ng	# 88
84) Bis(2-ethylhexyl)phtha...	13.886	149	24342	2.293	ng	# 73

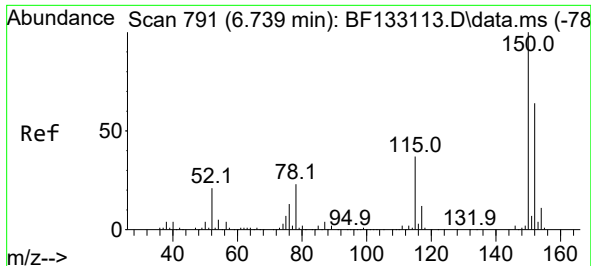
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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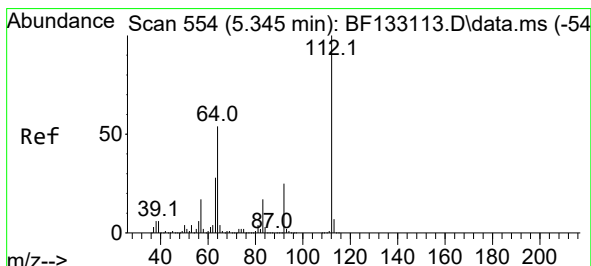
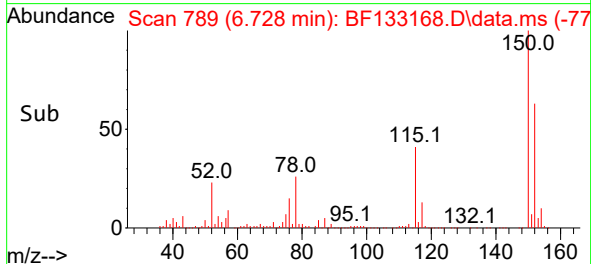
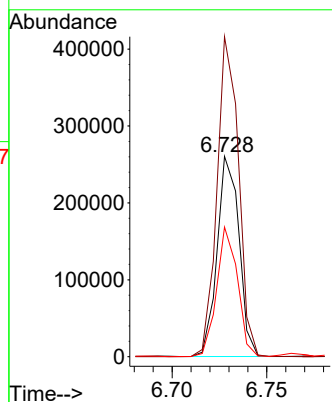
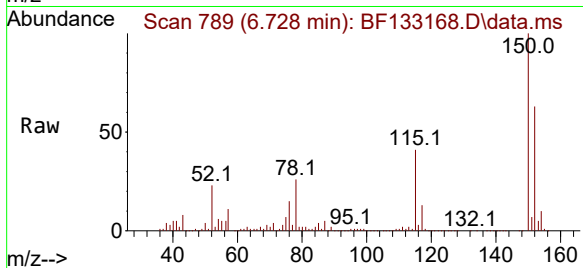




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF133168.D
Acq: 01 May 2023 21:44

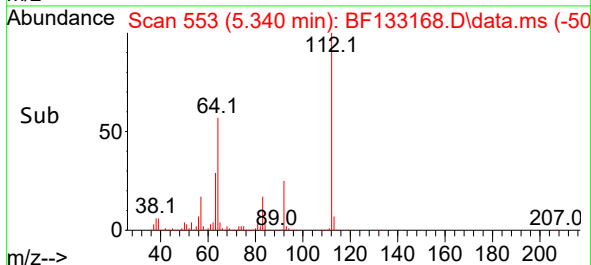
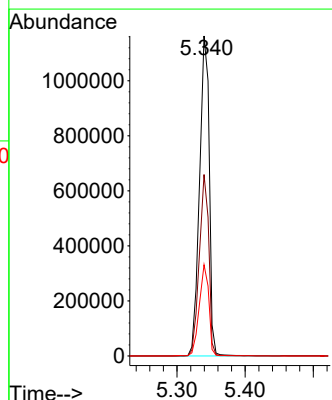
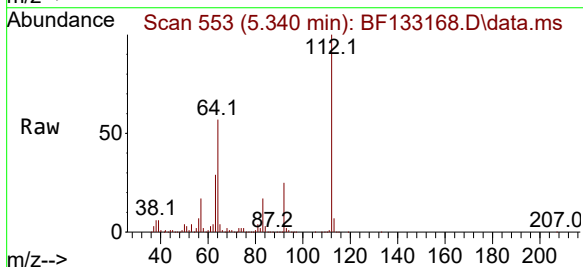
Instrument :
BNA_F
ClientSampleId :
P001-SS011-0006-02

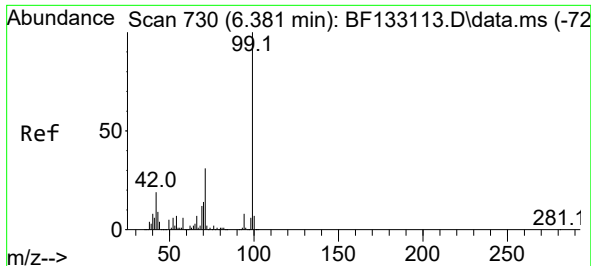
Tgt Ion:152 Resp: 208881
Ion Ratio Lower Upper
152 100
150 159.8 124.8 187.2
115 64.7 49.9 74.9



#5
2-Fluorophenol
Concen: 83.621 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133168.D
Acq: 01 May 2023 21:44

Tgt Ion:112 Resp: 1156275
Ion Ratio Lower Upper
112 100
64 56.7 46.8 70.2
63 28.5 23.8 35.8





#7

Phenol-d6

Concen: 82.393 ng

RT: 6.369 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF133168.D

Acq: 01 May 2023 21:44

Instrument :

BNA_F

ClientSampleId :

P001-SS011-0006-02

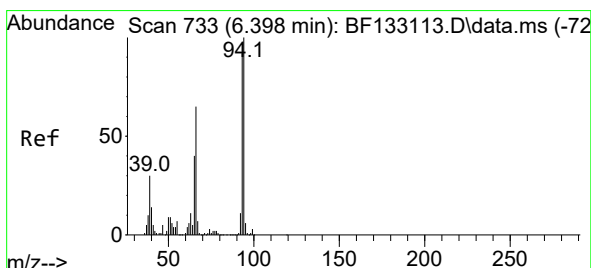
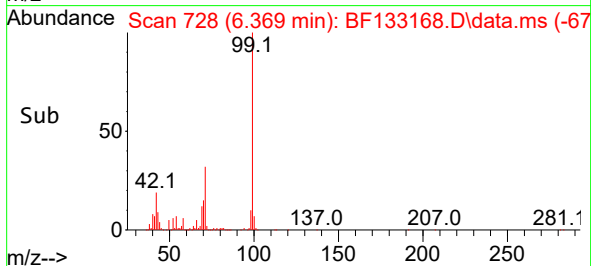
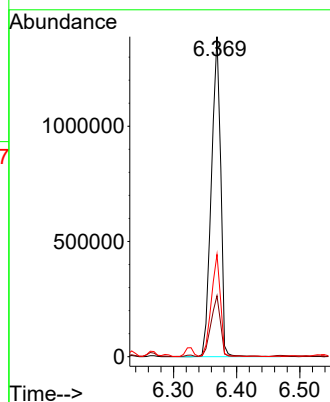
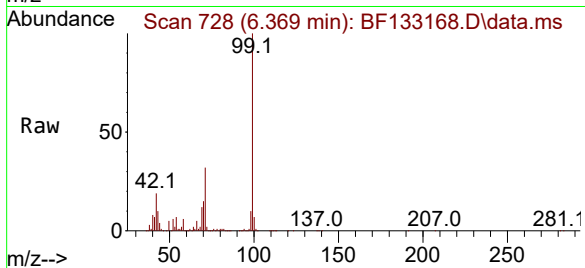
Tgt Ion: 99 Resp: 1414107

Ion Ratio Lower Upper

99 100

42 19.1 16.3 24.5

71 32.0 25.6 38.4



#10

Phenol

Concen: 6.554 ng

RT: 6.381 min Scan# 730

Delta R.T. -0.006 min

Lab File: BF133168.D

Acq: 01 May 2023 21:44

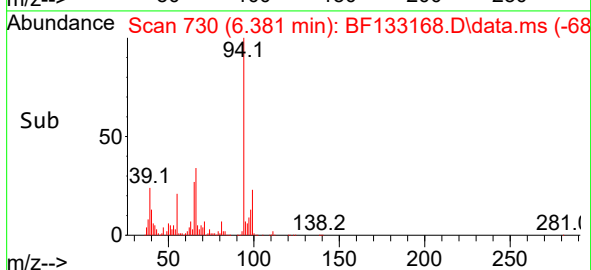
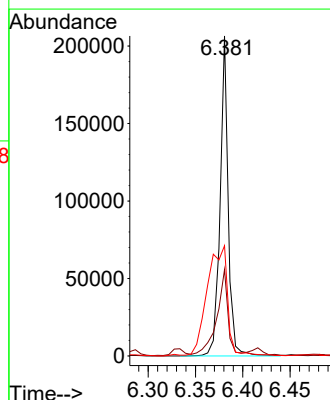
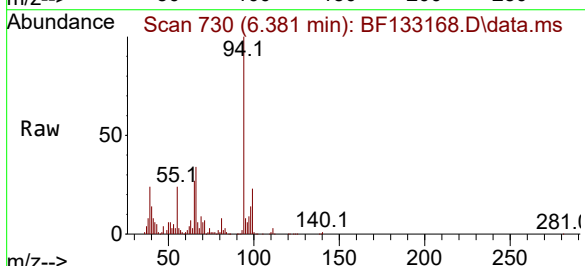
Tgt Ion: 94 Resp: 124089

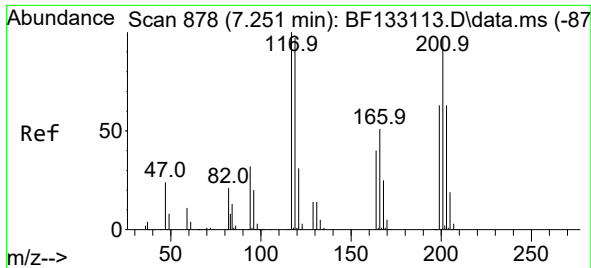
Ion Ratio Lower Upper

94 100

65 27.0 8.6 48.6

66 34.5 17.3 57.3

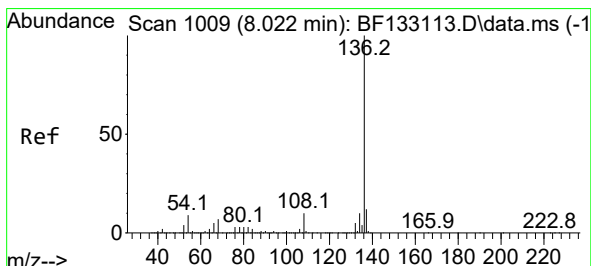
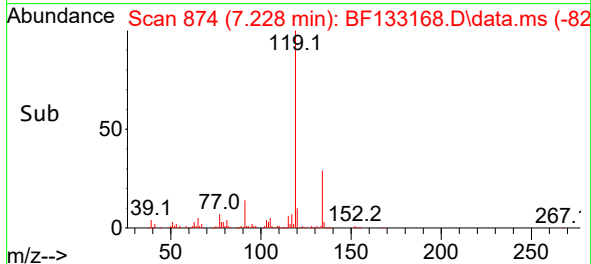
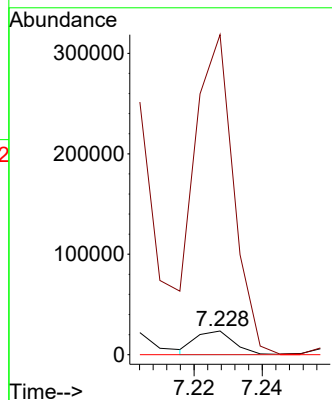
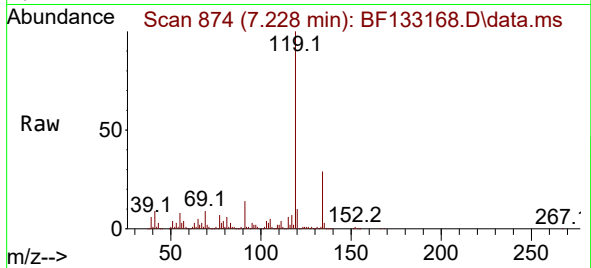




#18
Hexachloroethane
Concen: 3.529 ng
RT: 7.228 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF133168.D
Acq: 01 May 2023 21:44

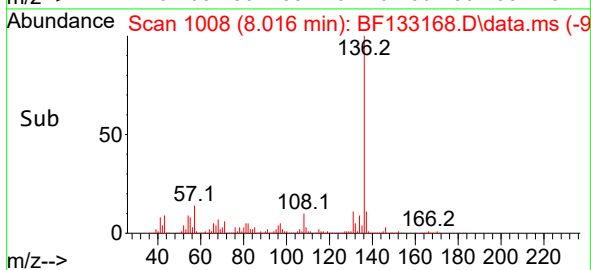
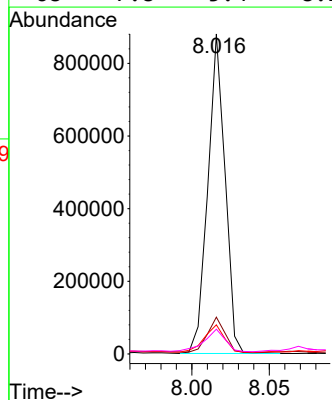
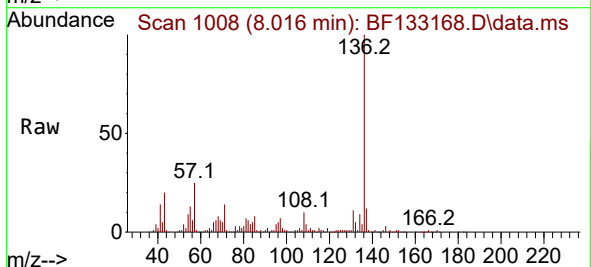
Instrument :
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ClientSampleId :
P001-SS011-0006-02

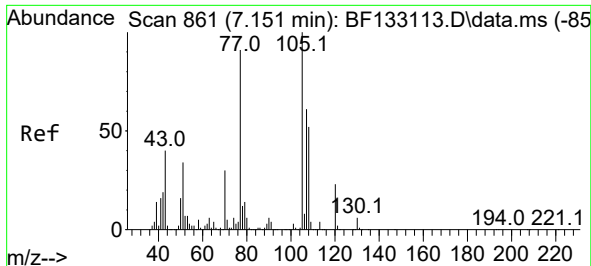
Tgt Ion:117 Resp: 18353
Ion Ratio Lower Upper
117 100
119 1349.5 78.2 117.4#
201 0.0 81.7 122.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF133168.D
Acq: 01 May 2023 21:44

Tgt Ion:136 Resp: 677903
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 9.1 7.0 10.4
68 7.8 5.4 8.2

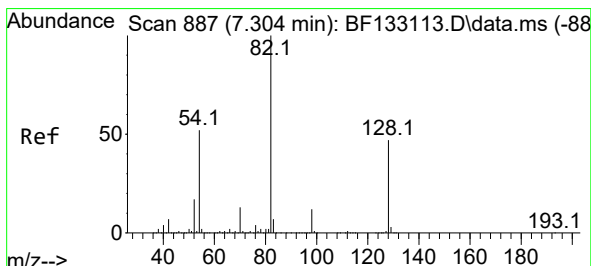
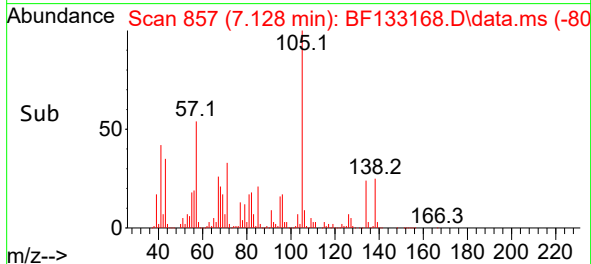
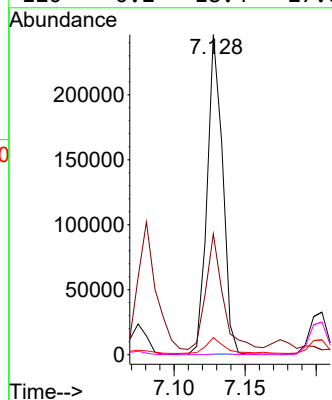
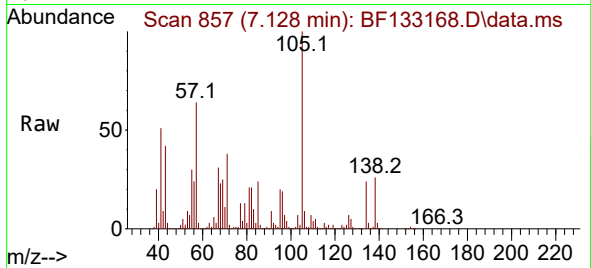




#22
Acetophenone
Concen: 11.854 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF133168.D
Acq: 01 May 2023 21:44

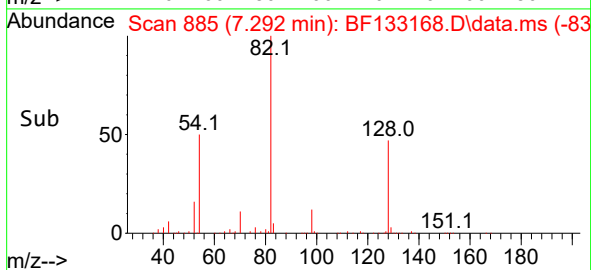
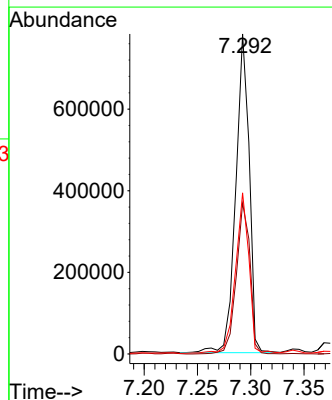
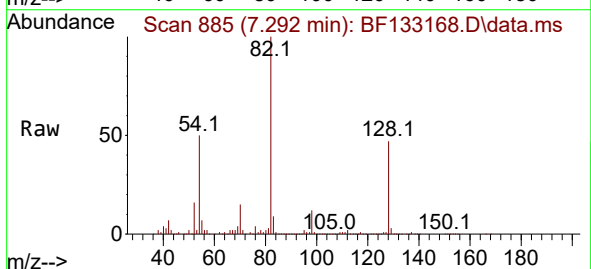
Instrument :
BNA_F
ClientSampleId :
P001-SS011-0006-02

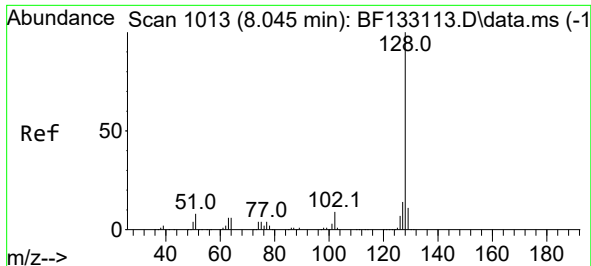
Tgt Ion:105 Resp: 186143
Ion Ratio Lower Upper
105 100
71 37.7 4.6 7.0#
51 5.3 28.2 42.2#
120 0.2 18.4 27.6#



#23
Nitrobenzene-d5
Concen: 54.810 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF133168.D
Acq: 01 May 2023 21:44

Tgt Ion: 82 Resp: 688371
Ion Ratio Lower Upper
82 100
128 47.2 37.7 56.5
54 50.3 43.0 64.4

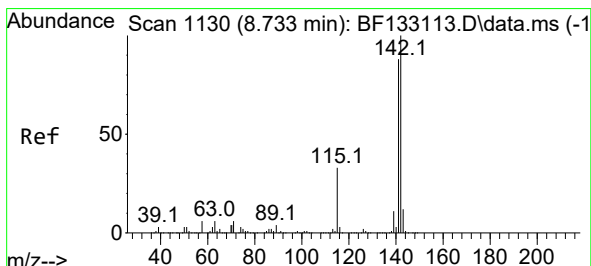
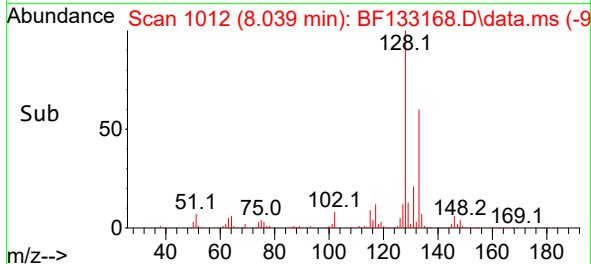
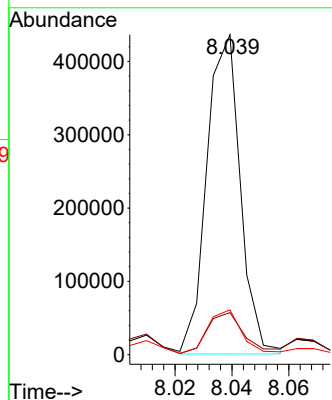
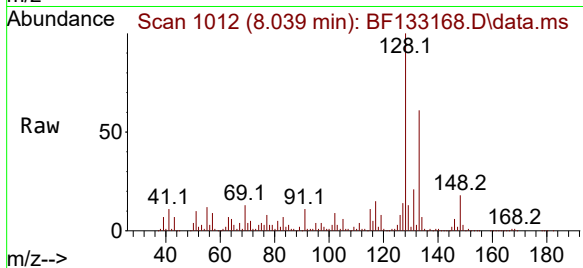




#31
Naphthalene
Concen: 10.535 ng
RT: 8.039 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF133168.D
Acq: 01 May 2023 21:44

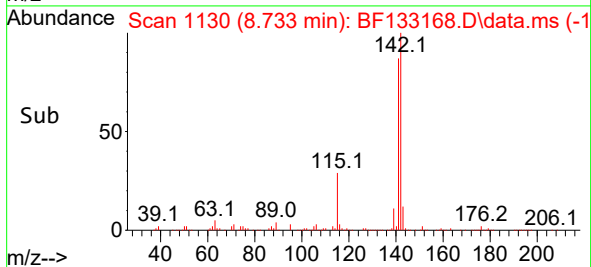
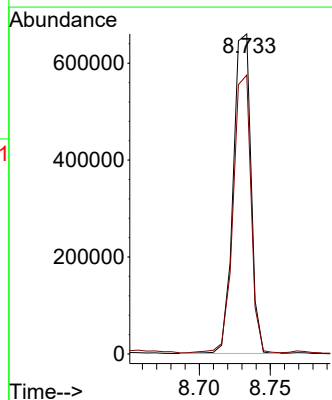
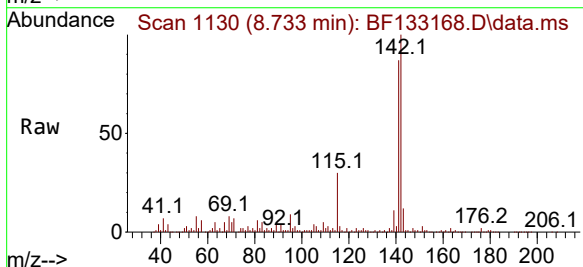
Instrument :
BNA_F
ClientSampleId :
P001-SS011-0006-02

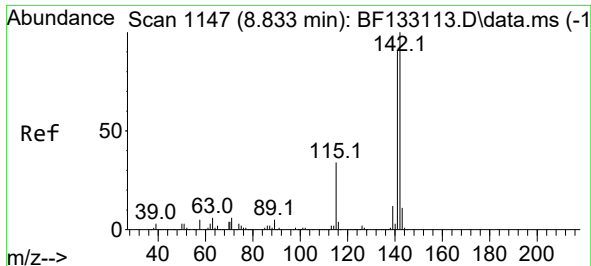
Tgt Ion:128 Resp: 357051
Ion Ratio Lower Upper
128 100
129 13.1 8.8 13.2
127 14.0 10.7 16.1



#37
2-Methylnaphthalene
Concen: 24.784 ng
RT: 8.733 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BF133168.D
Acq: 01 May 2023 21:44

Tgt Ion:142 Resp: 574299
Ion Ratio Lower Upper
142 100
141 87.2 69.4 104.0





#38

1-Methylnaphthalene

Concen: 17.520 ng

RT: 8.828 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BF133168.D

Acq: 01 May 2023 21:44

Instrument :

BNA_F

ClientSampleId :

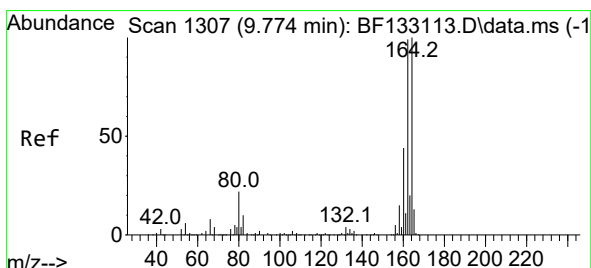
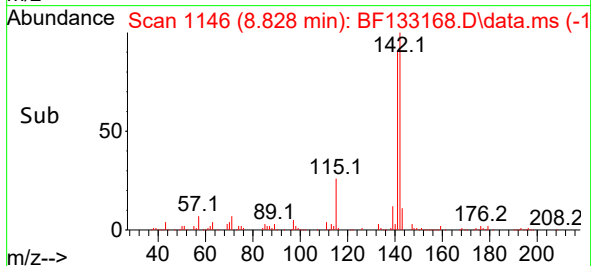
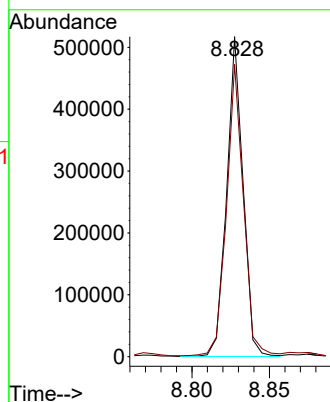
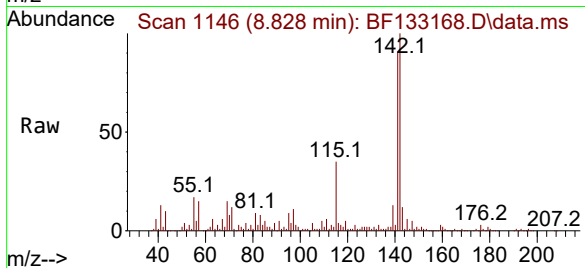
P001-SS011-0006-02

Tgt Ion:142 Resp: 379780

Ion Ratio Lower Upper

142 100

141 91.3 73.1 109.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1306

Delta R.T. 0.000 min

Lab File: BF133168.D

Acq: 01 May 2023 21:44

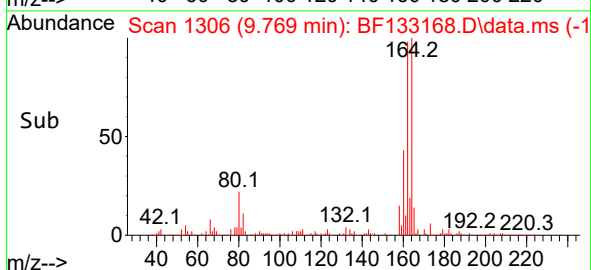
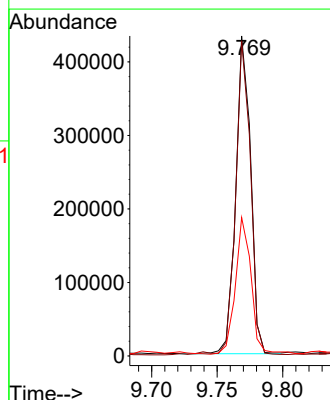
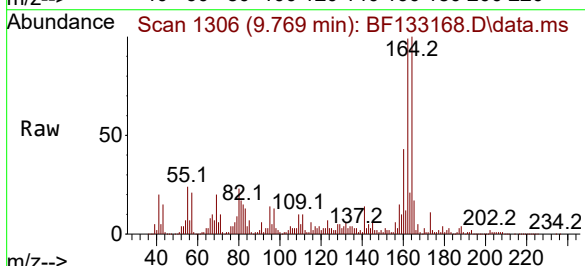
Tgt Ion:164 Resp: 340737

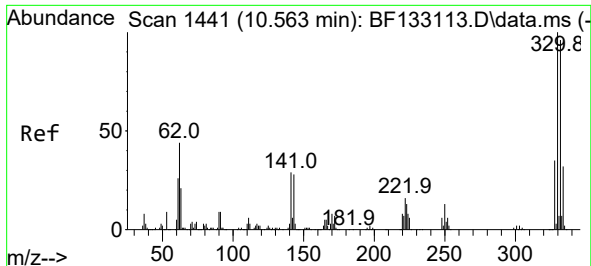
Ion Ratio Lower Upper

164 100

162 98.5 78.7 118.1

160 43.3 35.8 53.6

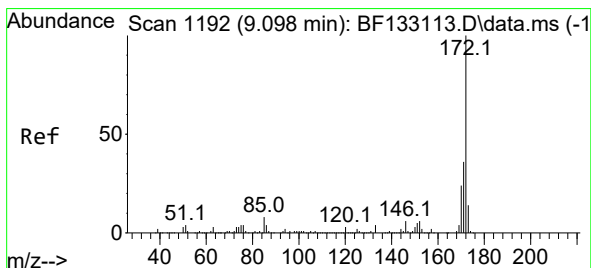
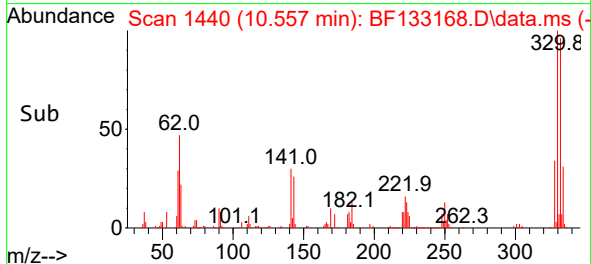
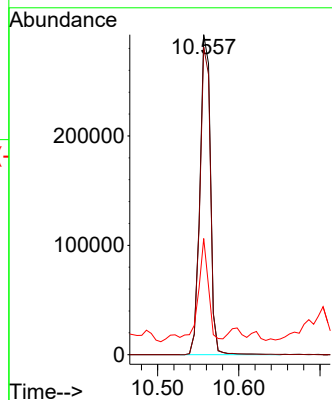
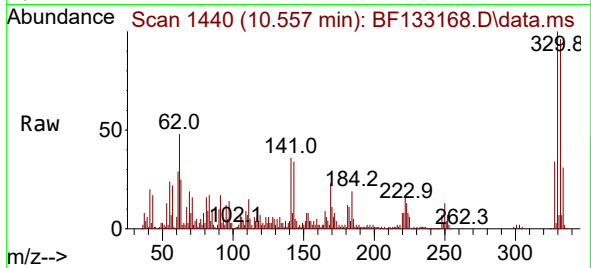




#42
2,4,6-Tribromophenol
Concen: 77.046 ng
RT: 10.557 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133168.D
Acq: 01 May 2023 21:44

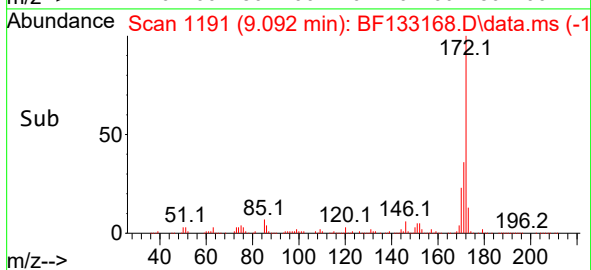
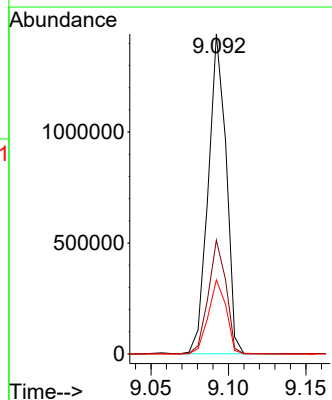
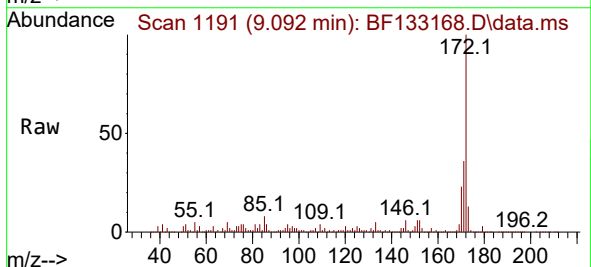
Instrument :
BNA_F
ClientSampleId :
P001-SS011-0006-02

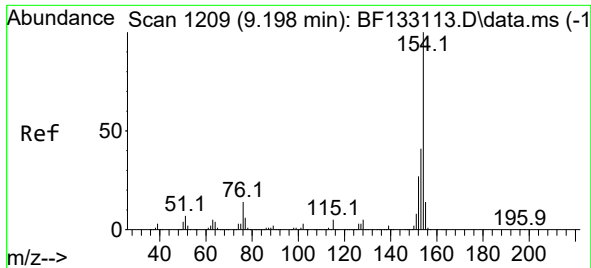
Tgt Ion:330 Resp: 264019
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 28.1 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 56.777 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133168.D
Acq: 01 May 2023 21:44

Tgt Ion:172 Resp: 1156374
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.1 19.4 29.2

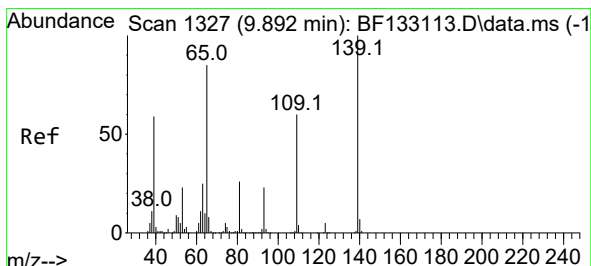
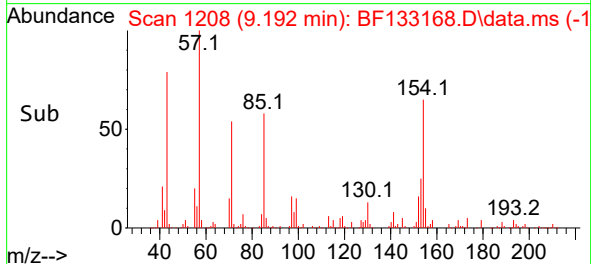
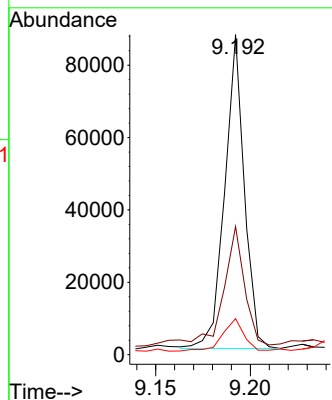
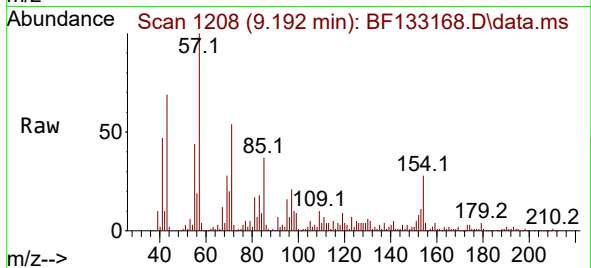




#46
1,1'-Biphenyl
Concen: 2.303 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133168.D
Acq: 01 May 2023 21:44

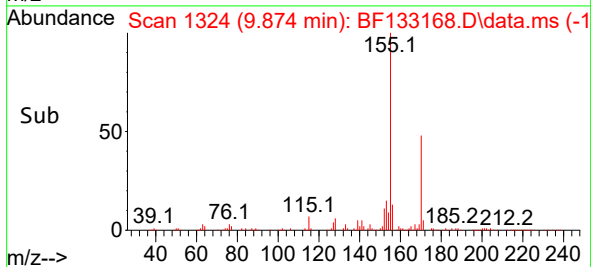
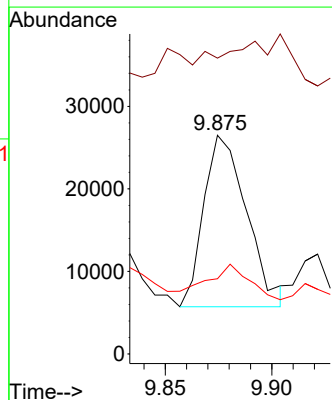
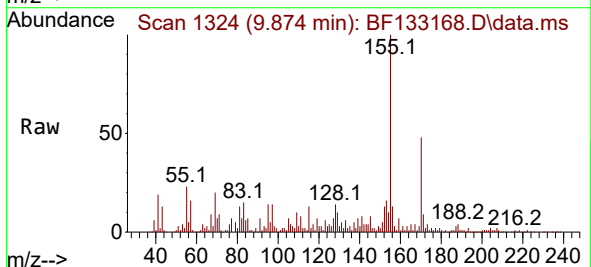
Instrument :
BNA_F
ClientSampleId :
P001-SS011-0006-02

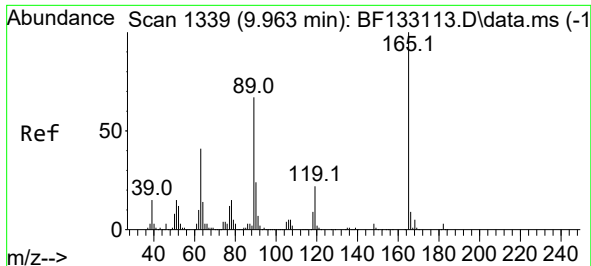
Tgt Ion:154 Resp: 62222
Ion Ratio Lower Upper
154 100
153 40.1 21.0 61.0
76 11.3 0.0 34.5



#56
4-Nitrophenol
Concen: 5.925 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF133168.D
Acq: 01 May 2023 21:44

Tgt Ion:139 Resp: 29178
Ion Ratio Lower Upper
139 100
109 135.3 39.4 79.4#
65 34.4 57.5 97.5#

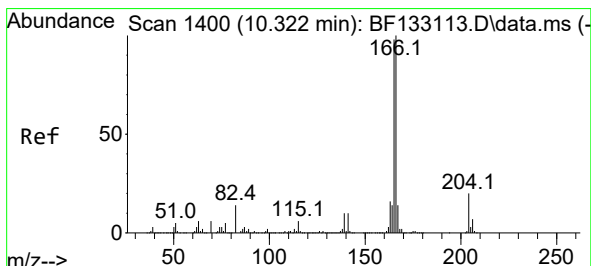
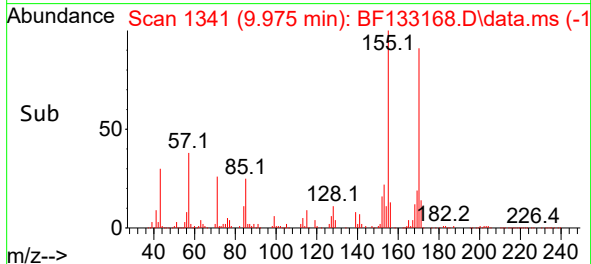
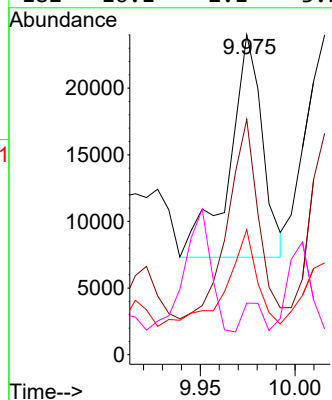
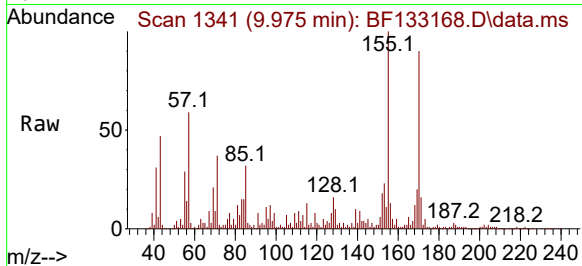




#57
2,4-Dinitrotoluene
Concen: 2.963 ng
RT: 9.975 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF133168.D
Acq: 01 May 2023 21:44

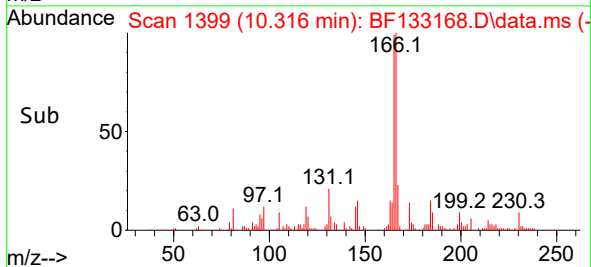
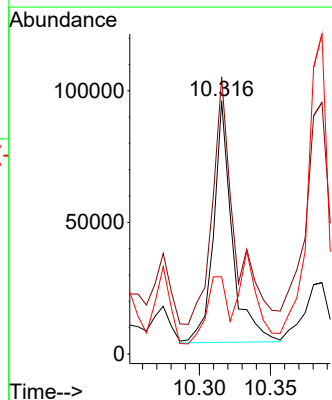
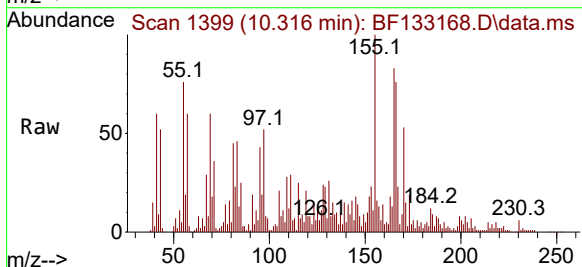
Instrument :
BNA_F
ClientSampleId :
P001-SS011-0006-02

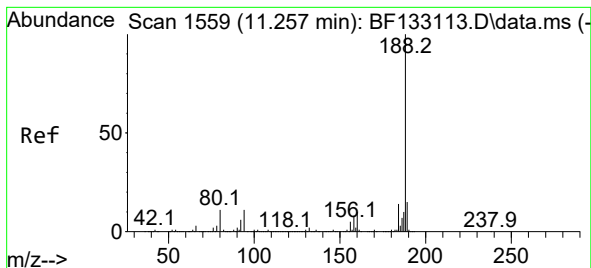
Tgt Ion:165 Resp: 20205
Ion Ratio Lower Upper
165 100
63 73.5 37.7 56.5#
89 39.1 57.0 85.4#
182 16.1 2.1 3.1#



#58
Fluorene
Concen: 3.931 ng
RT: 10.316 min Scan# 1399
Delta R.T. -0.006 min
Lab File: BF133168.D
Acq: 01 May 2023 21:44

Tgt Ion:166 Resp: 83141
Ion Ratio Lower Upper
166 100
165 109.5 78.6 117.8
167 30.5 11.0 16.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133168.D

Acq: 01 May 2023 21:44

Instrument :

BNA_F

ClientSampleId :

P001-SS011-0006-02

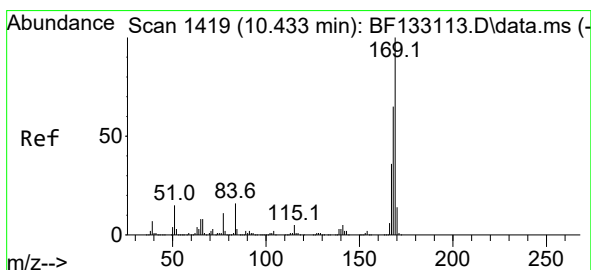
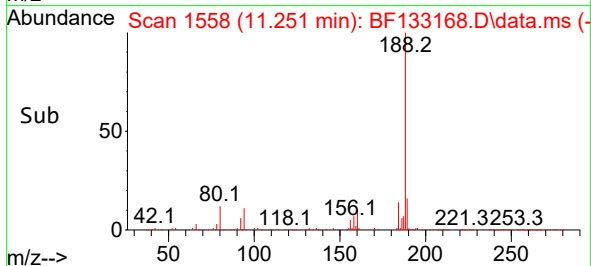
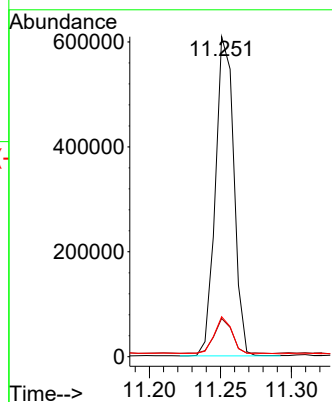
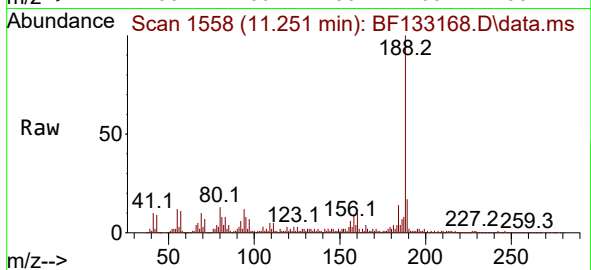
Tgt Ion:188 Resp: 548974

Ion Ratio Lower Upper

188 100

94 11.9 9.7 14.5

80 12.5 10.4 15.6



#66

n-Nitrosodiphenylamine

Concen: 7.575 ng

RT: 10.433 min Scan# 1419

Delta R.T. 0.000 min

Lab File: BF133168.D

Acq: 01 May 2023 21:44

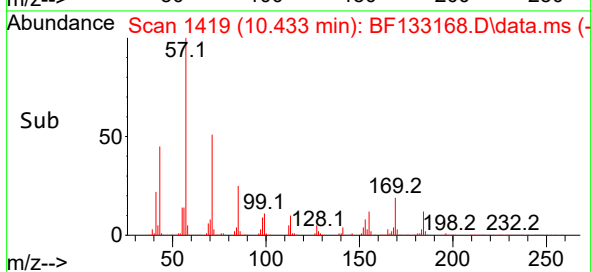
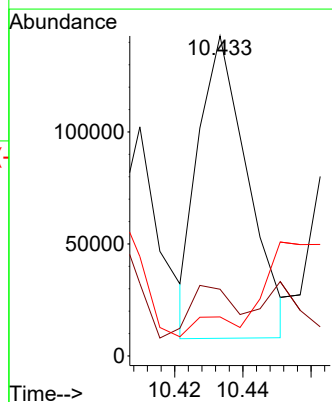
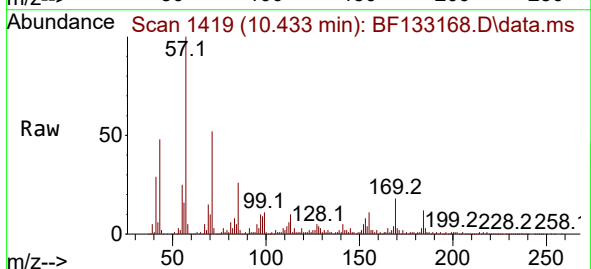
Tgt Ion:169 Resp: 134884

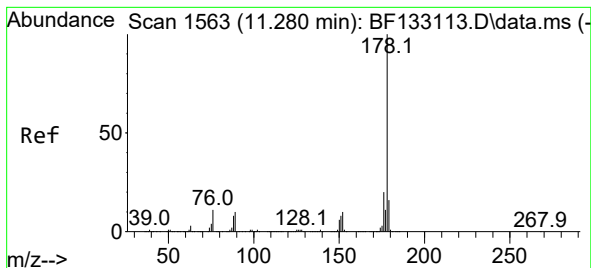
Ion Ratio Lower Upper

169 100

168 20.9 53.8 80.8#

167 12.2 29.7 44.5#





#71

Phenanthrene

Concen: 7.307 ng

RT: 11.274 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133168.D

Acq: 01 May 2023 21:44

Instrument :

BNA_F

ClientSampleId :

P001-SS011-0006-02

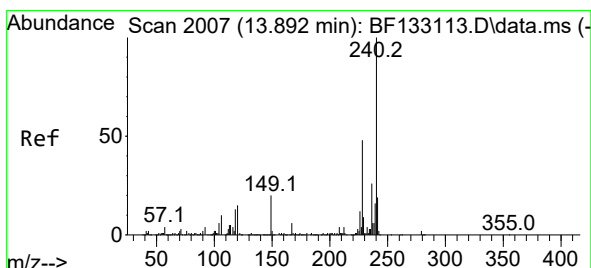
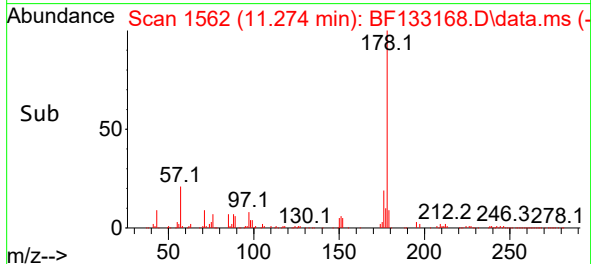
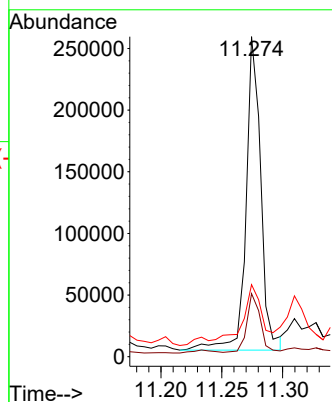
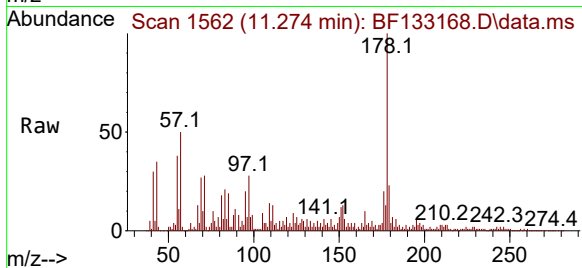
Tgt Ion:178 Resp: 215592

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

179 22.5 12.5 18.7#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.892 min Scan# 2007

Delta R.T. 0.000 min

Lab File: BF133168.D

Acq: 01 May 2023 21:44

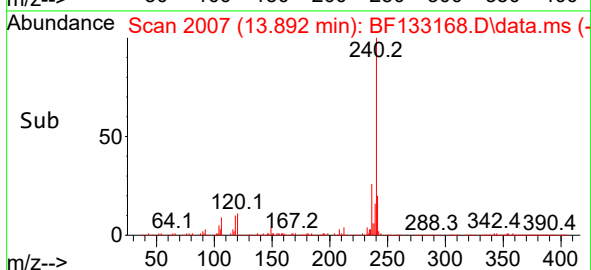
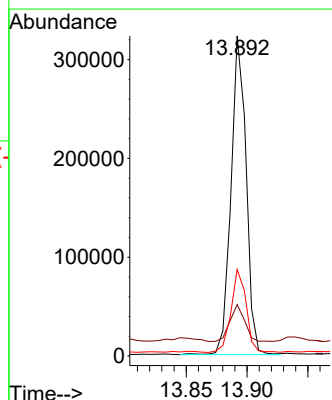
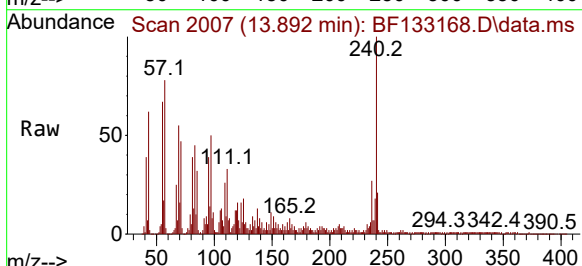
Tgt Ion:240 Resp: 278627

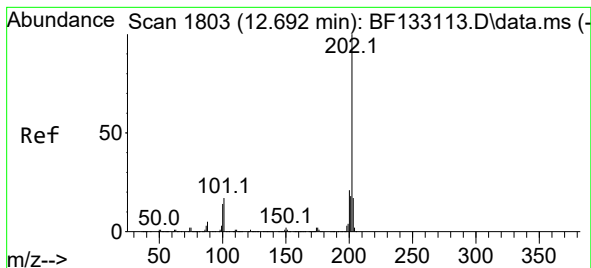
Ion Ratio Lower Upper

240 100

120 16.0 10.5 15.7#

236 27.0 21.5 32.3





#78

Pyrene

Concen: 2.234 ng

RT: 12.692 min Scan# 1803

Delta R.T. 0.000 min

Lab File: BF133168.D

Acq: 01 May 2023 21:44

Instrument :

BNA_F

ClientSampleId :

P001-SS011-0006-02

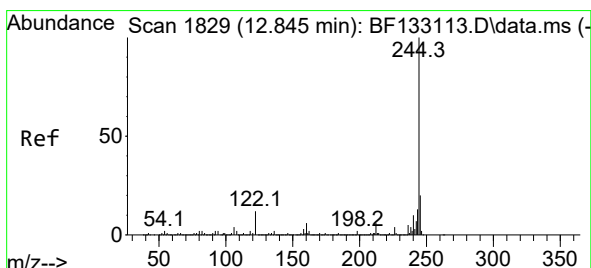
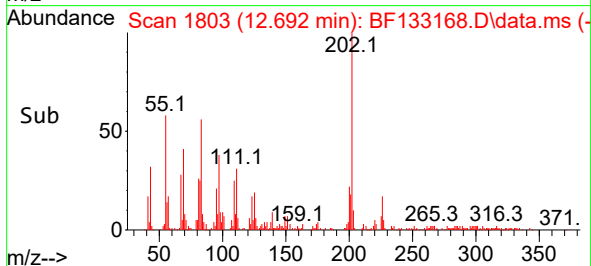
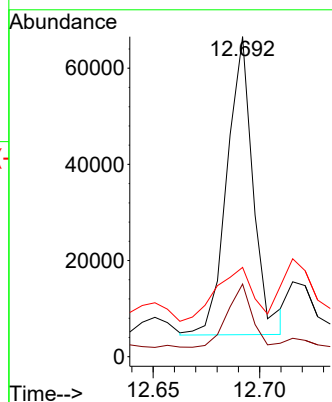
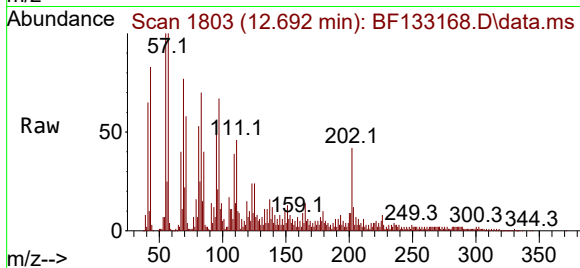
Tgt Ion:202 Resp: 53348

Ion Ratio Lower Upper

202 100

200 22.7 17.1 25.7

203 27.9 14.1 21.1#



#79

Terphenyl-d14

Concen: 52.523 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF133168.D

Acq: 01 May 2023 21:44

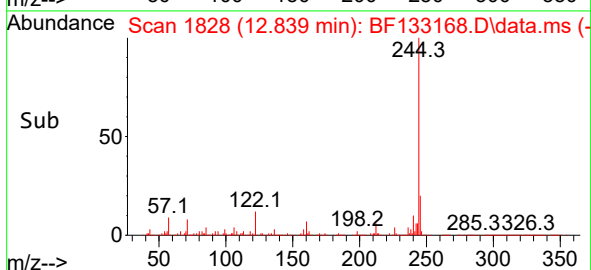
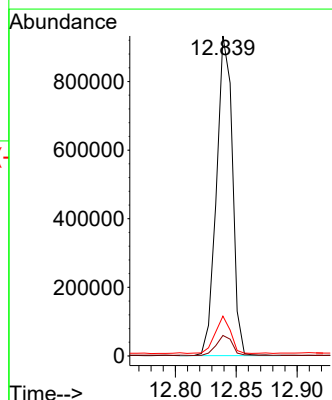
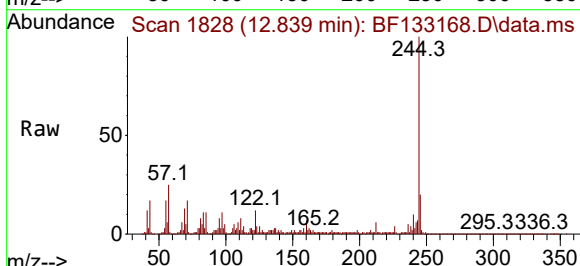
Tgt Ion:244 Resp: 848536

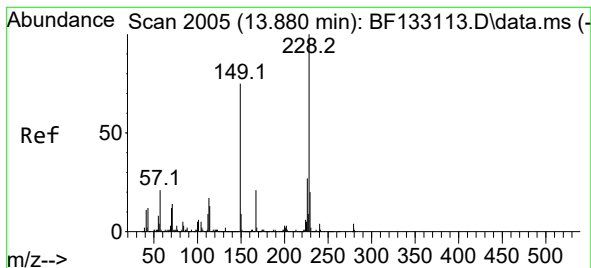
Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 12.5 8.6 13.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.293 ng

RT: 13.886 min Scan# 2005

Delta R.T. 0.006 min

Lab File: BF133168.D

Acq: 01 May 2023 21:44

Instrument :

BNA_F

ClientSampleId :

P001-SS011-0006-02

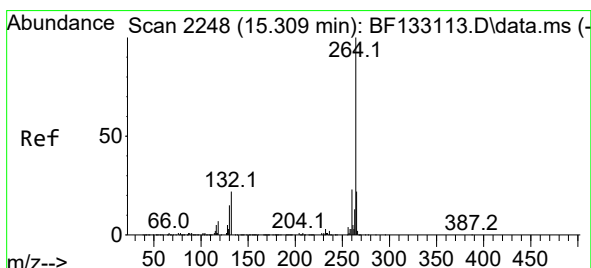
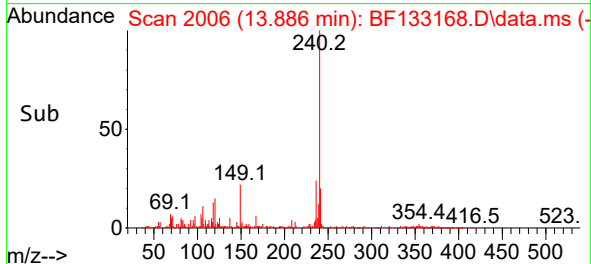
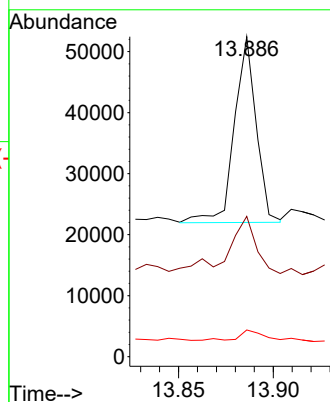
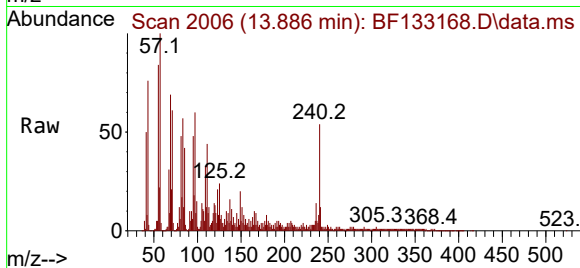
Tgt Ion:149 Resp: 24342

Ion Ratio Lower Upper

149 100

167 43.9 22.5 33.7#

279 8.3 4.2 6.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.327 min Scan# 2251

Delta R.T. 0.024 min

Lab File: BF133168.D

Acq: 01 May 2023 21:44

Tgt Ion:264 Resp: 342548

Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

265 22.1 17.0 25.4

