

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133851.D
 Acq On : 20 Jun 2023 12:20
 Operator : CG\JU
 Sample : 03295-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jun 20 12:48:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 19 16:00:59 2023
 Response via : Initial Calibration

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

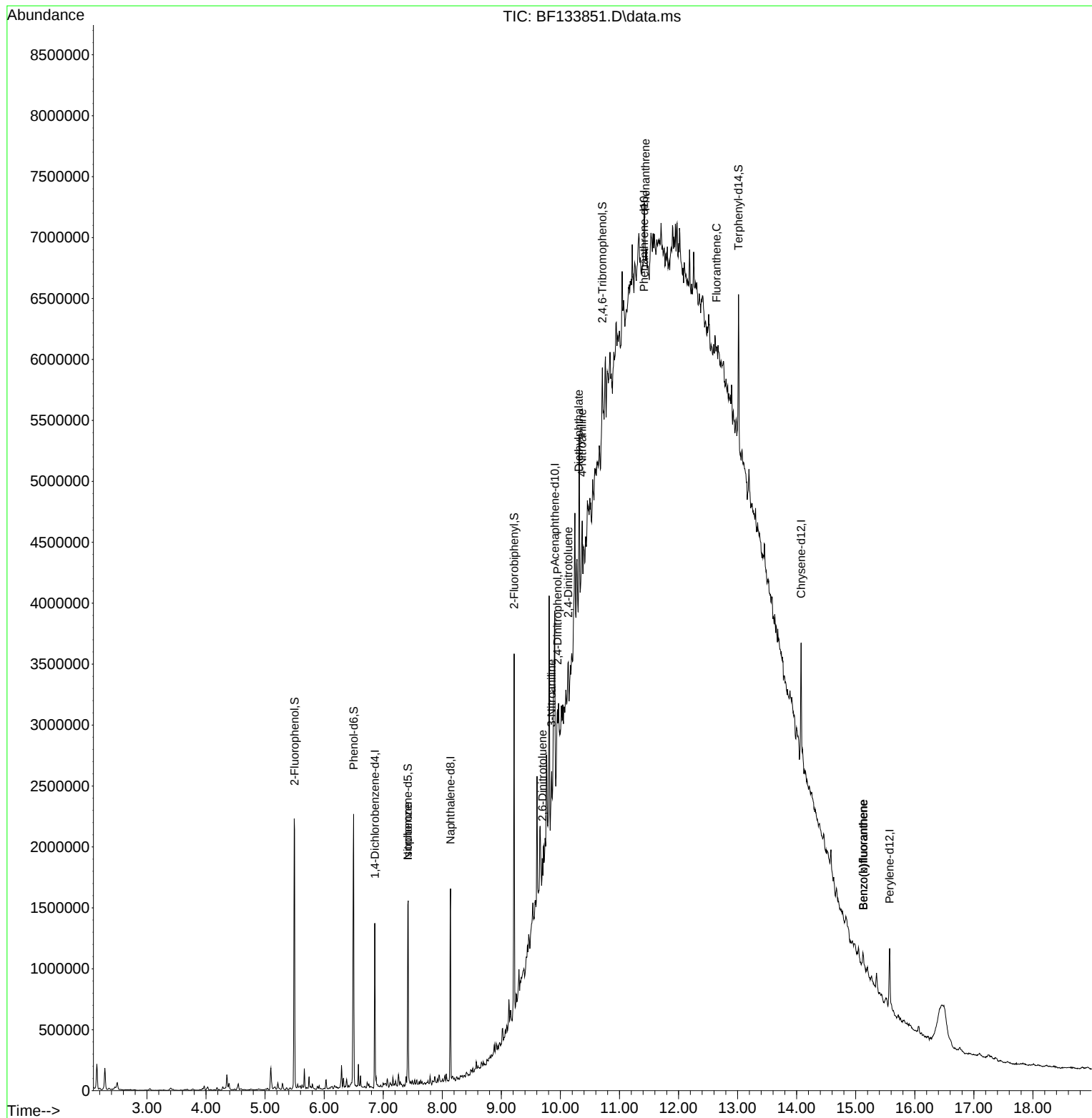
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	175832	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	648570	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	215138	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	260550	20.000	ng	# 0.02
76) Chrysene-d12	14.075	240	314140	20.000	ng	0.02
86) Perylene-d12	15.574	264	240170	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	609398	60.336	ng	0.00
7) Phenol-d6	6.499	99	722047	54.922	ng	0.00
23) Nitrobenzene-d5	7.416	82	470595	39.520	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	130959	48.089	ng	0.02
45) 2-Fluorobiphenyl	9.216	172	799144	52.803	ng	0.00
79) Terphenyl-d14	13.016	244	585828	28.856	ng	0.03
Target Compounds						
						Qvalue
25) Isophorone	7.416	82	468456	21.429	ng	# 65
51) 2,6-Dinitrotoluene	9.698	165	7327	2.211	ng	# 32
53) 3-Nitroaniline	9.851	138	12488	3.096	ng	# 21
54) 2,4-Dinitrophenol	9.951	184	319	5.899	ng	# 1
57) 2,4-Dinitrotoluene	10.134	165	19500	4.626	ng	# 25
60) Diethylphthalate	10.310	149	39946	2.444	ng	# 39
62) 4-Nitroaniline	10.369	138	25580	6.468	ng	86
71) Phenanthrene	11.439	178	34554	2.614	ng	# 1
75) Fluoranthene	12.645	202	52298	3.726	ng	# 55
88) Benzo(b)fluoranthene	15.127	252	52318	3.586	ng	# 71
89) Benzo(k)fluoranthene	15.127	252	52318	3.681	ng	# 70

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

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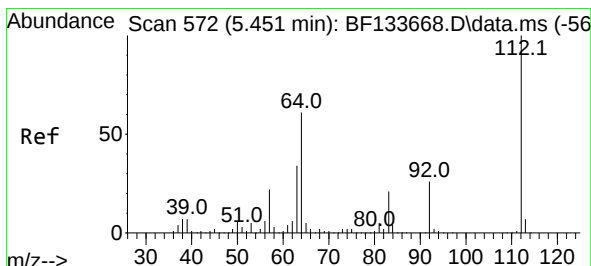
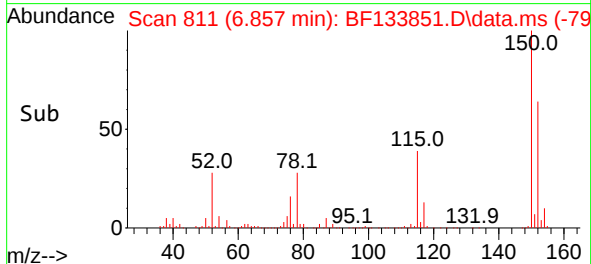
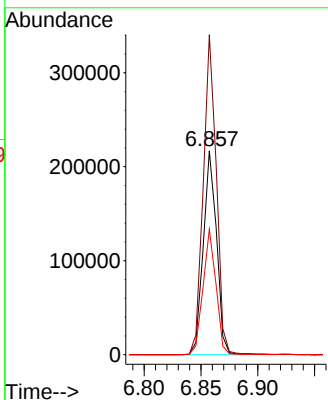
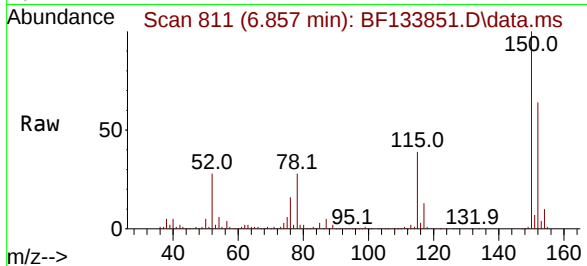




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133851.D
Acq: 20 Jun 2023 12:20

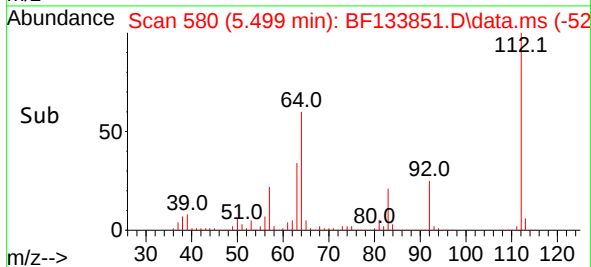
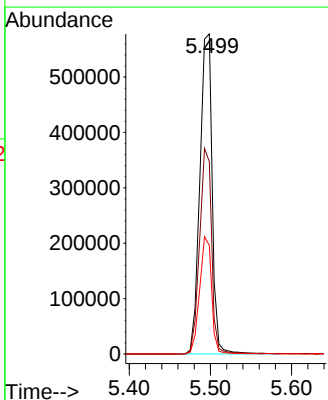
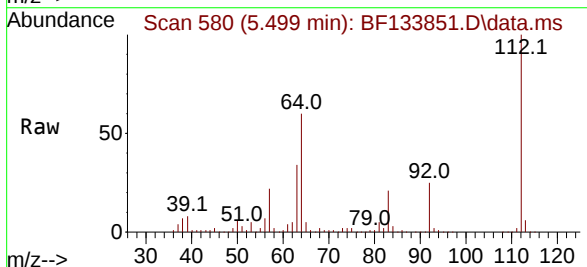
Instrument :
BNA_F
ClientSampleId :
WC-1

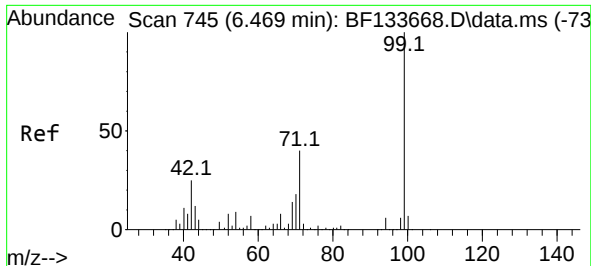
Tgt Ion:152 Resp: 175832
Ion Ratio Lower Upper
152 100
150 157.0 124.3 186.5
115 61.6 48.5 72.7



#5
2-Fluorophenol
Concen: 60.336 ng
RT: 5.499 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF133851.D
Acq: 20 Jun 2023 12:20

Tgt Ion:112 Resp: 609398
Ion Ratio Lower Upper
112 100
64 60.1 49.0 73.4
63 33.9 26.8 40.2

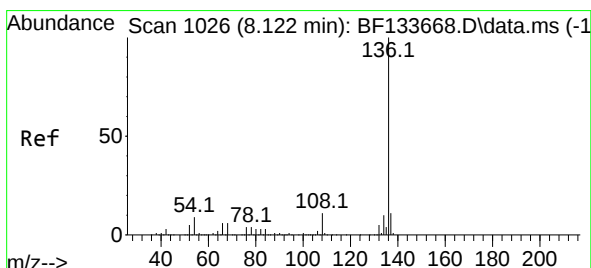
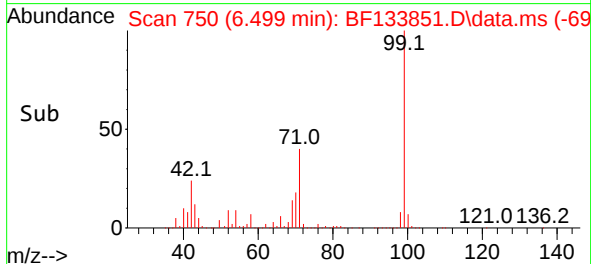
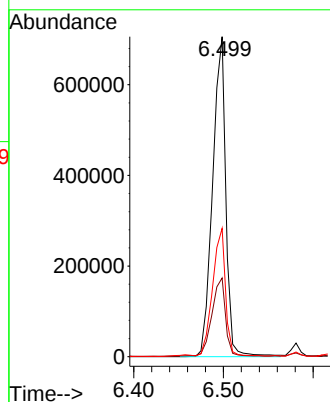
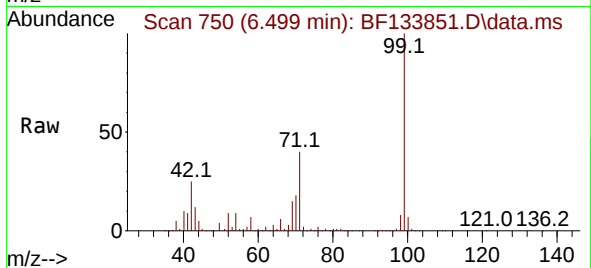




#7
Phenol-d6
Concen: 54.922 ng
RT: 6.499 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133851.D
Acq: 20 Jun 2023 12:20

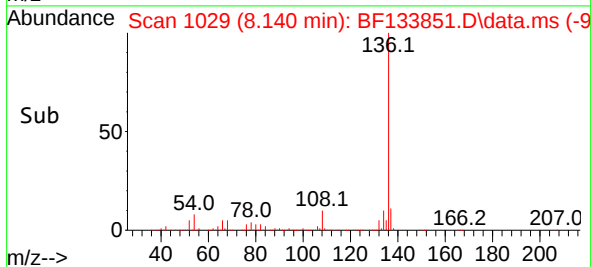
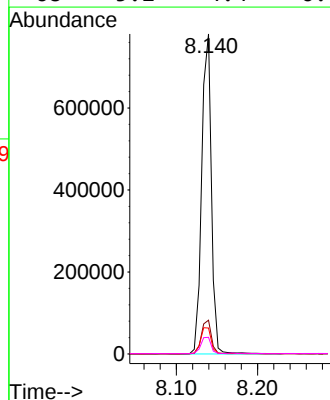
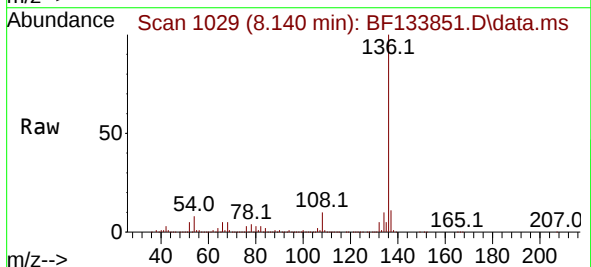
Instrument :
BNA_F
ClientSampleId :
WC-1

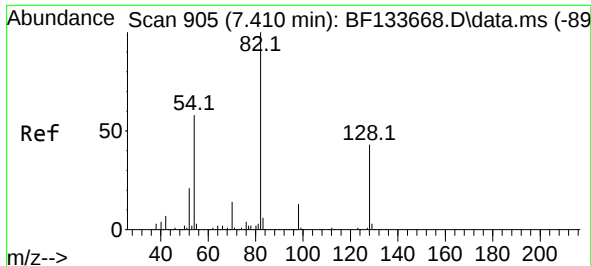
Tgt Ion: 99 Resp: 722047
Ion Ratio Lower Upper
99 100
42 24.6 19.9 29.9
71 40.1 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133851.D
Acq: 20 Jun 2023 12:20

Tgt Ion: 136 Resp: 648570
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.1 7.4 11.0
68 5.2 4.4 6.6





#23

Nitrobenzene-d5

Concen: 39.520 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF133851.D

Acq: 20 Jun 2023 12:20

Instrument :

BNA_F

ClientSampleId :

WC-1

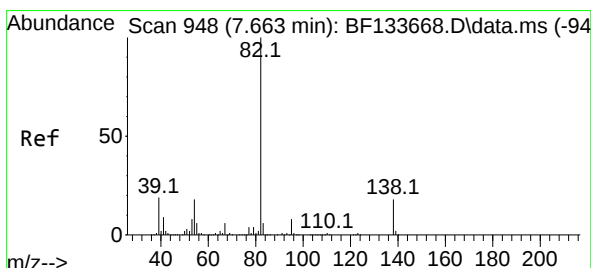
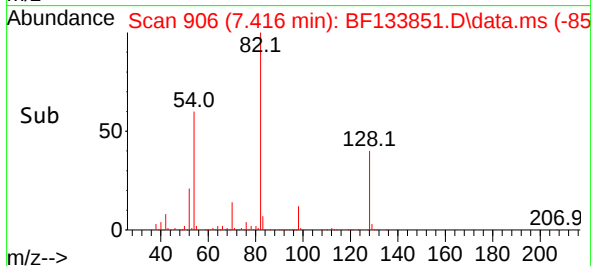
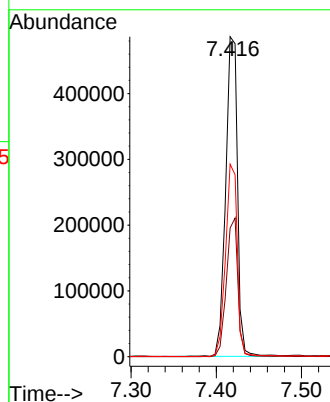
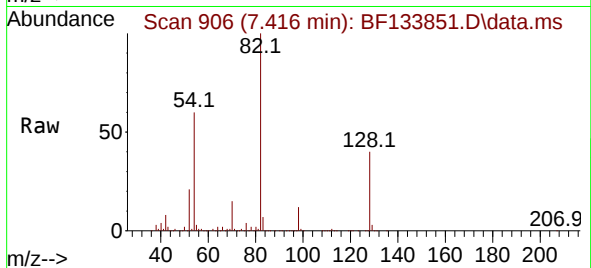
Tgt Ion: 82 Resp: 470595

Ion Ratio Lower Upper

82 100

128 40.2 34.2 51.2

54 60.1 46.5 69.7



#25

Isophorone

Concen: 21.429 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.265 min

Lab File: BF133851.D

Acq: 20 Jun 2023 12:20

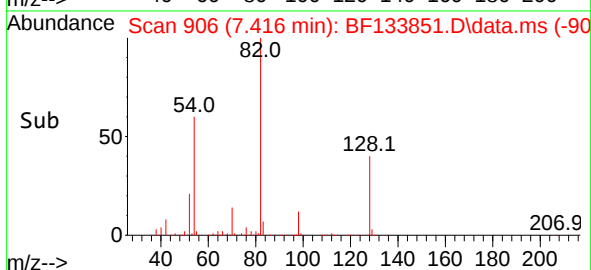
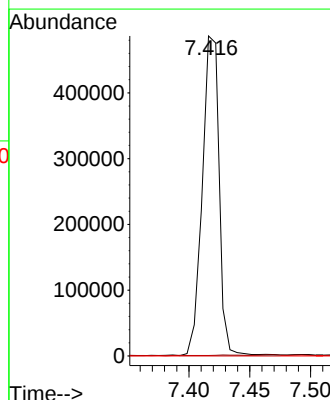
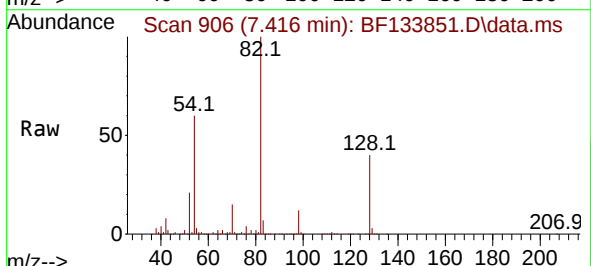
Tgt Ion: 82 Resp: 468456

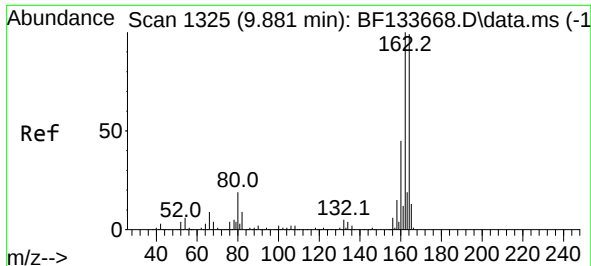
Ion Ratio Lower Upper

82 100

95 0.2 6.0 9.0#

138 0.0 14.2 21.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF133851.D

Acq: 20 Jun 2023 12:20

Instrument :

BNA_F

ClientSampleId :

WC-1

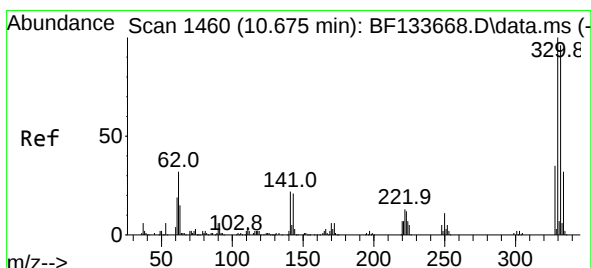
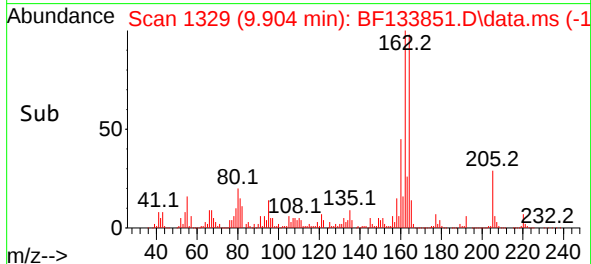
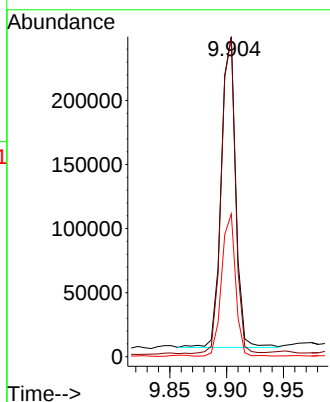
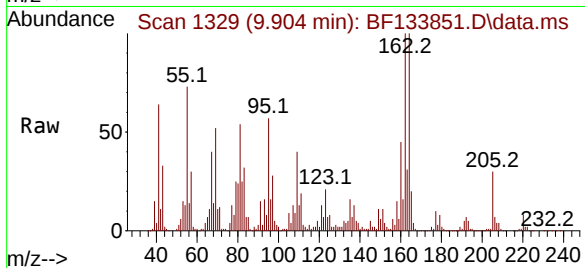
Tgt Ion:164 Resp: 215138

Ion Ratio Lower Upper

164 100

162 99.8 80.8 121.2

160 44.6 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 48.089 ng

RT: 10.710 min Scan# 1466

Delta R.T. 0.018 min

Lab File: BF133851.D

Acq: 20 Jun 2023 12:20

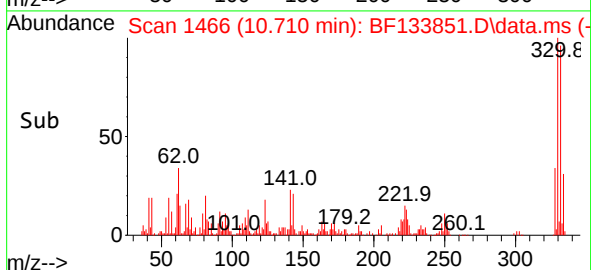
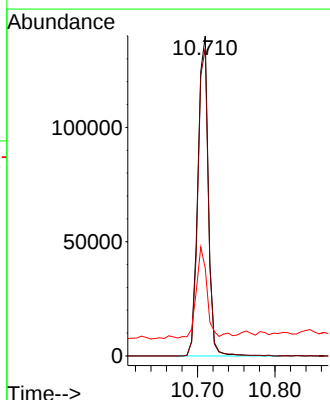
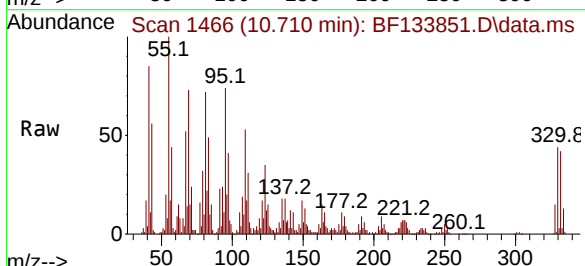
Tgt Ion:330 Resp: 130959

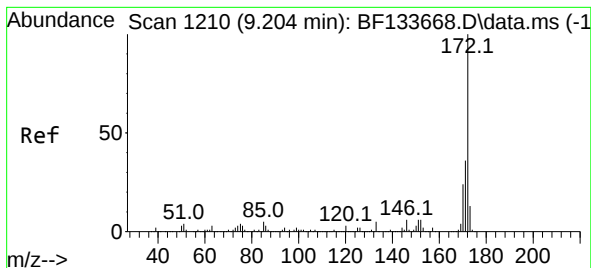
Ion Ratio Lower Upper

330 100

332 96.7 77.2 115.8

141 28.5 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 52.803 ng

RT: 9.216 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133851.D

Acq: 20 Jun 2023 12:20

Instrument :

BNA_F

ClientSampleId :

WC-1

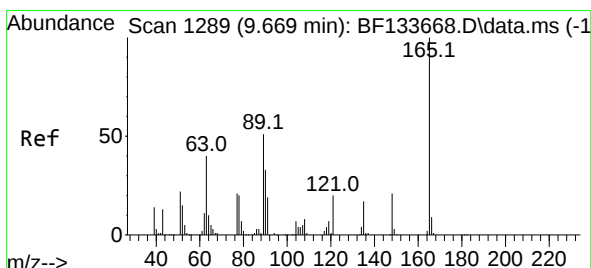
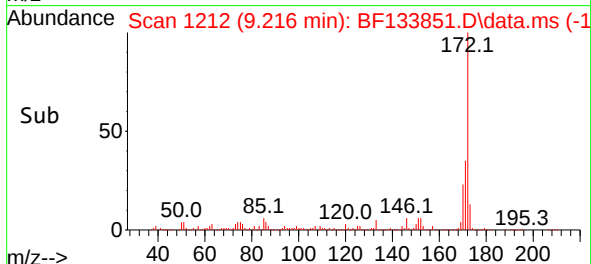
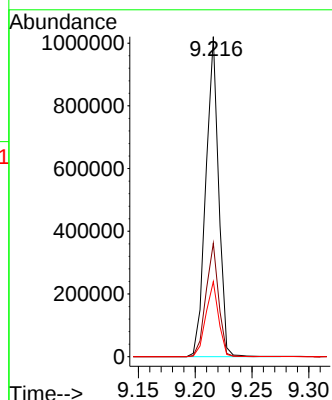
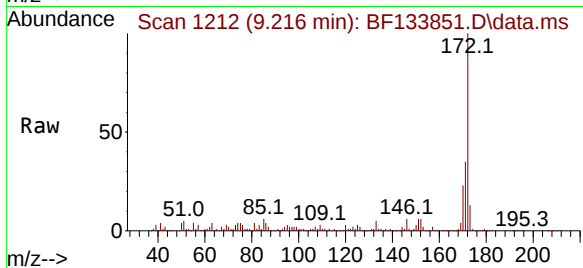
Tgt Ion:172 Resp: 799144

Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 23.5 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 2.211 ng

RT: 9.698 min Scan# 1294

Delta R.T. 0.012 min

Lab File: BF133851.D

Acq: 20 Jun 2023 12:20

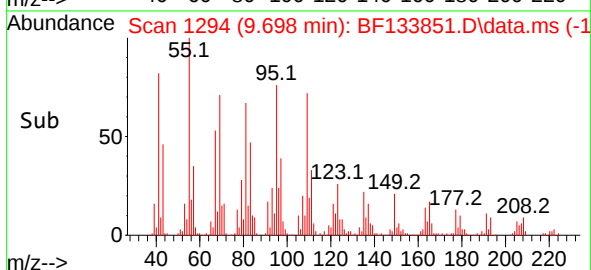
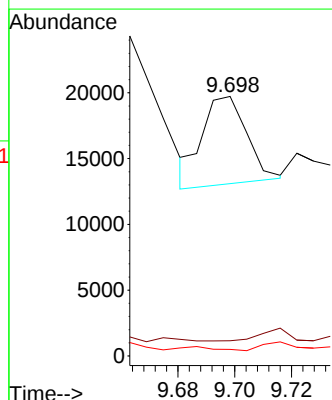
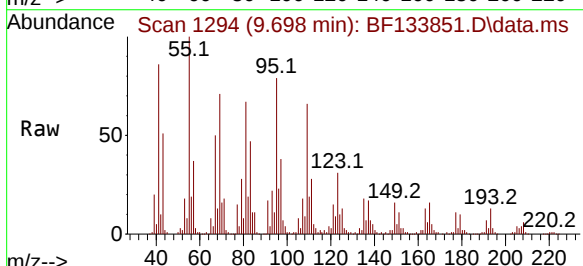
Tgt Ion:165 Resp: 7327

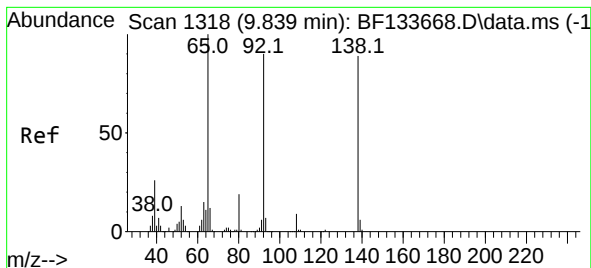
Ion Ratio Lower Upper

165 100

63 5.8 42.1 63.1#

89 2.5 40.9 61.3#





#53

3-Nitroaniline

Concen: 3.096 ng

RT: 9.851 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133851.D

Acq: 20 Jun 2023 12:20

Instrument :

BNA_F

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WC-1

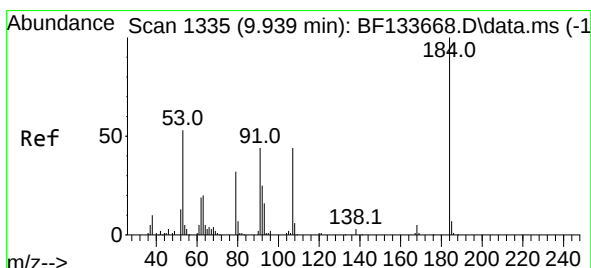
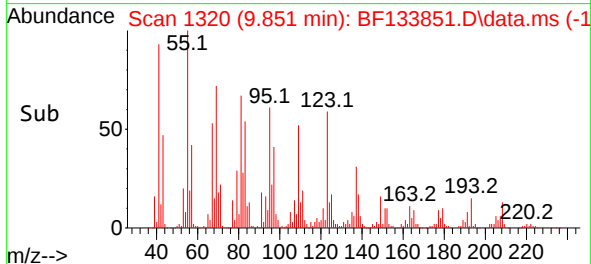
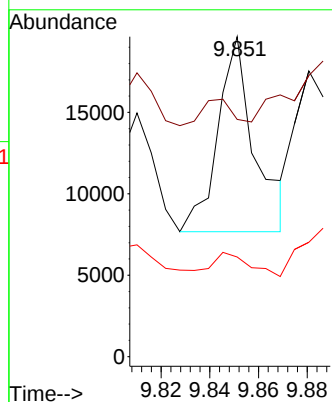
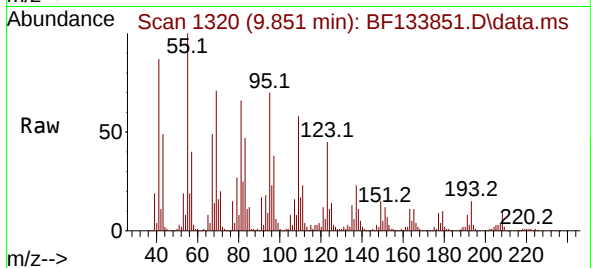
Tgt Ion:138 Resp: 12488

Ion Ratio Lower Upper

138 100

108 74.2 8.2 12.4#

92 31.1 81.0 121.6#



#54

2,4-Dinitrophenol

Concen: 5.899 ng

RT: 9.951 min Scan# 1337

Delta R.T. -0.012 min

Lab File: BF133851.D

Acq: 20 Jun 2023 12:20

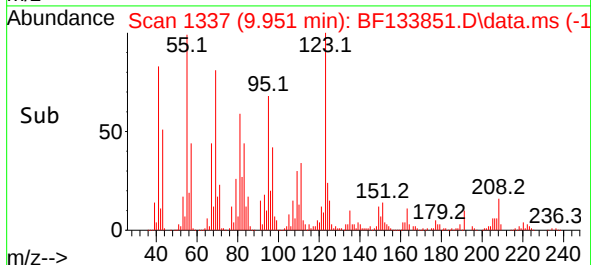
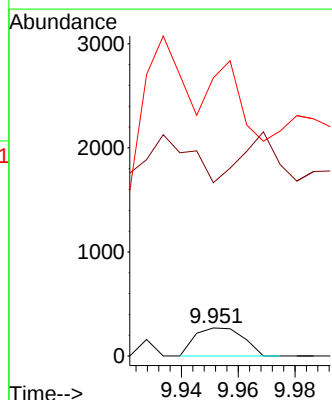
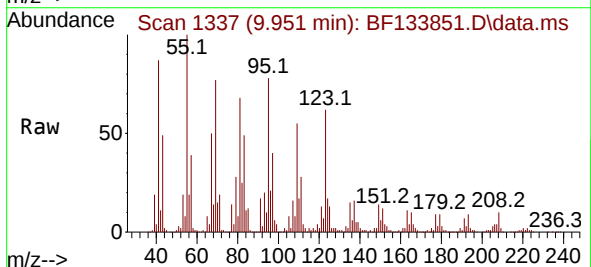
Tgt Ion:184 Resp: 319

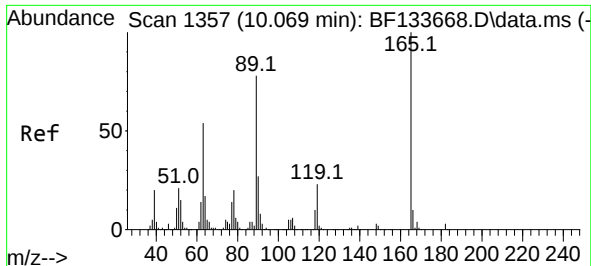
Ion Ratio Lower Upper

184 100

63 619.3 55.3 82.9#

154 993.7 51.9 77.9#





#57

2,4-Dinitrotoluene

Concen: 4.626 ng

RT: 10.134 min Scan# 1

Delta R.T. 0.041 min

Lab File: BF133851.D

Acq: 20 Jun 2023 12:20

Instrument :

BNA_F

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WC-1

Tgt Ion:165 Resp: 19500

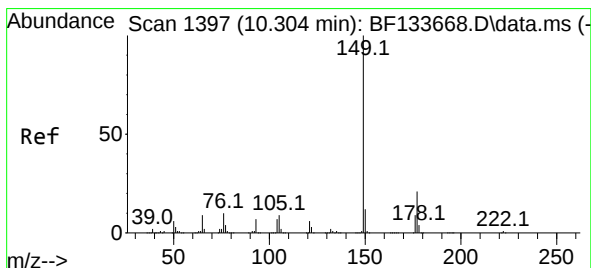
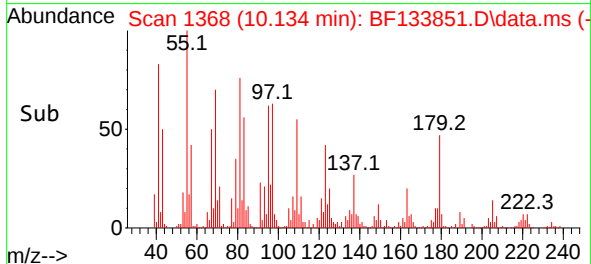
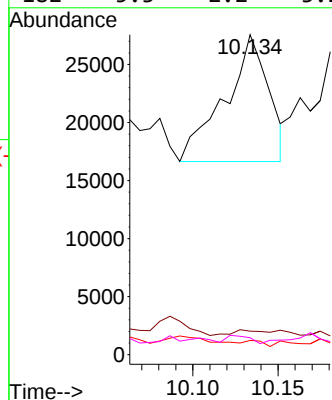
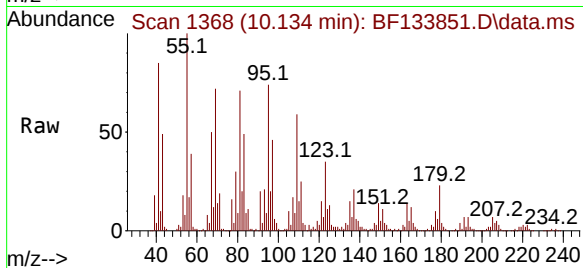
Ion Ratio Lower Upper

165 100

63 7.4 43.0 64.6#

89 4.5 62.6 93.8#

182 5.3 2.2 3.2#



#60

Diethylphthalate

Concen: 2.444 ng

RT: 10.310 min Scan# 1398

Delta R.T. -0.012 min

Lab File: BF133851.D

Acq: 20 Jun 2023 12:20

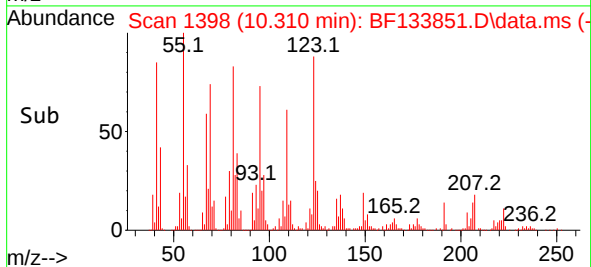
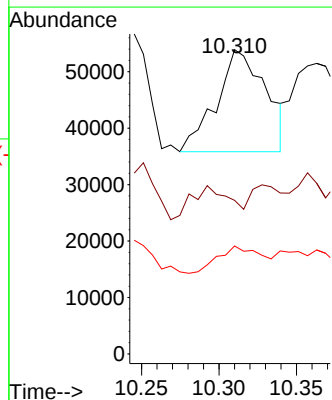
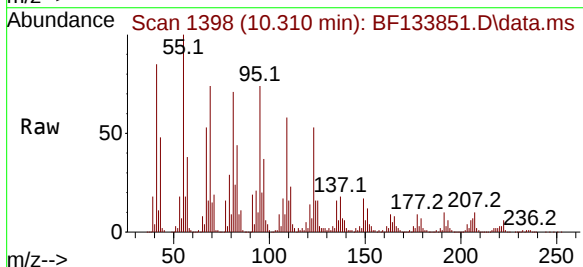
Tgt Ion:149 Resp: 39946

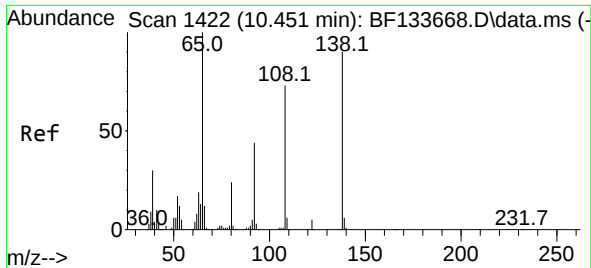
Ion Ratio Lower Upper

149 100

177 50.5 17.0 25.6#

150 35.5 10.0 15.0#

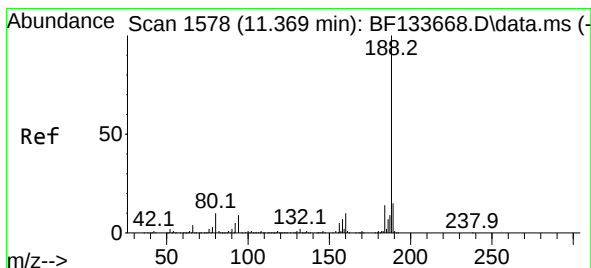
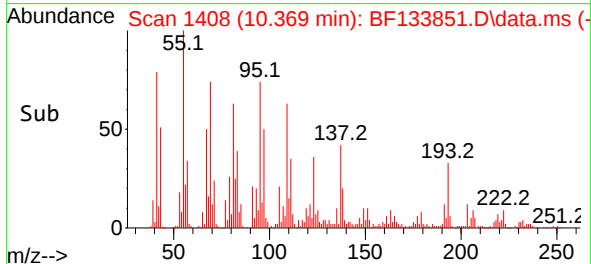
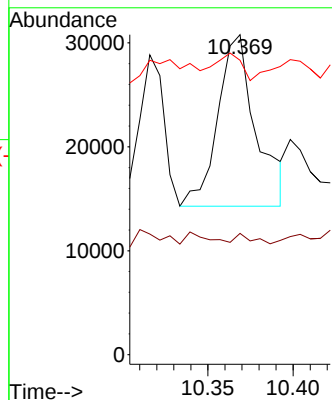
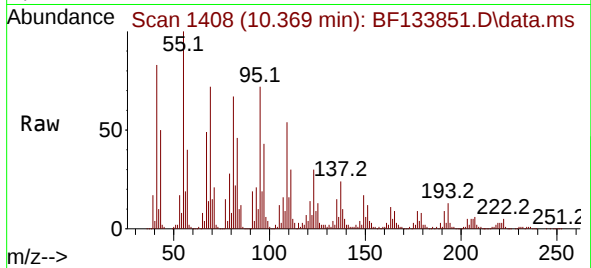




#62
4-Nitroaniline
Concen: 6.468 ng
RT: 10.369 min Scan# 1422
Delta R.T. -0.106 min
Lab File: BF133851.D
Acq: 20 Jun 2023 12:20

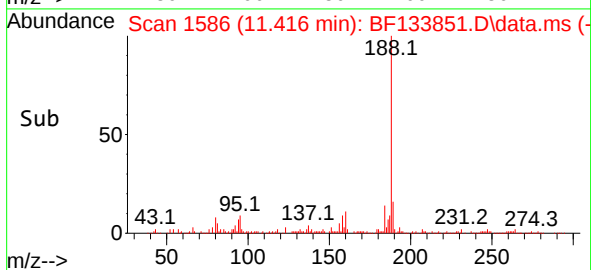
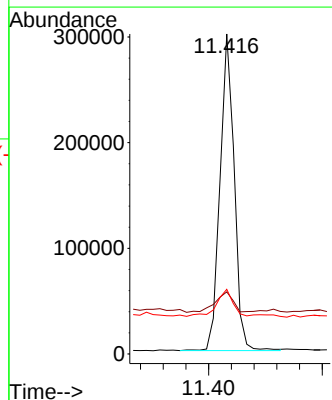
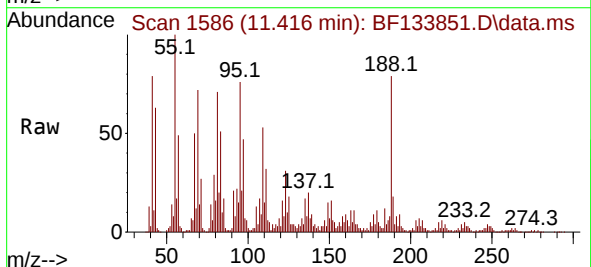
Instrument :
BNA_F
ClientSampleId :
WC-1

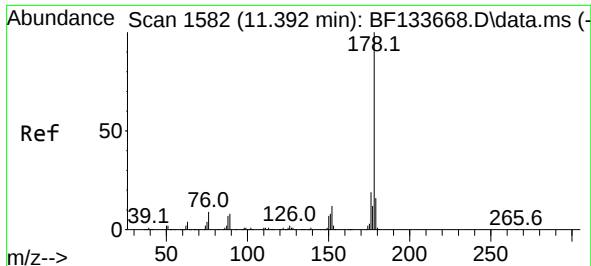
Tgt Ion:138 Resp: 25580
Ion Ratio Lower Upper
138 100
92 37.9 28.9 68.9
108 92.0 61.0 101.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.024 min
Lab File: BF133851.D
Acq: 20 Jun 2023 12:20

Tgt Ion:188 Resp: 260550
Ion Ratio Lower Upper
188 100
94 19.4 6.8 10.2#
80 20.2 7.8 11.6#

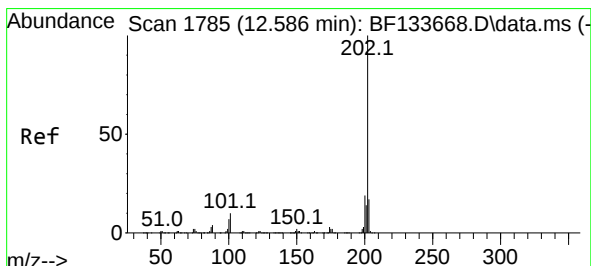
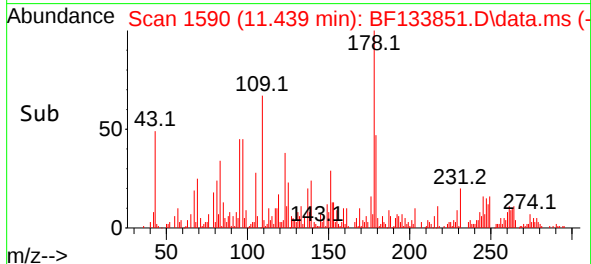
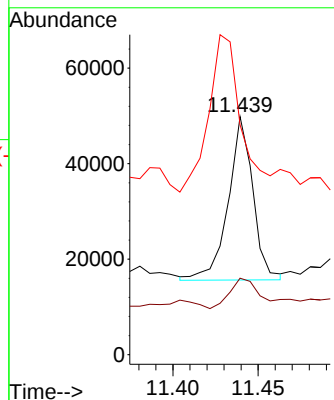
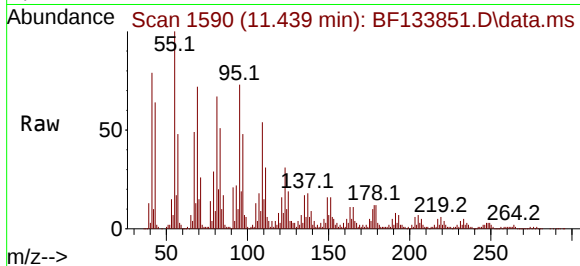




#71
Phenanthrene
Concen: 2.614 ng
RT: 11.439 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF133851.D
Acq: 20 Jun 2023 12:20

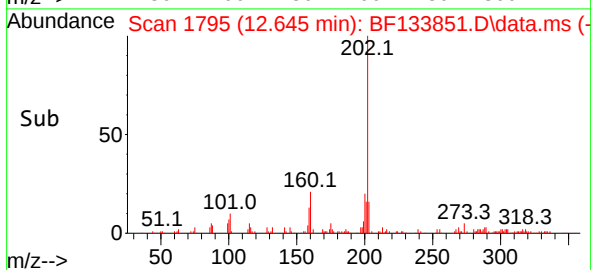
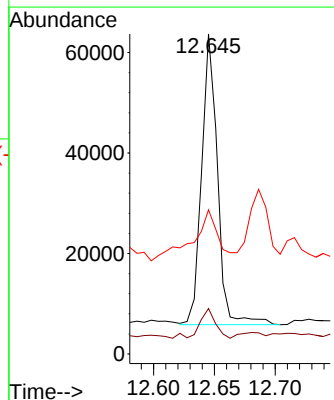
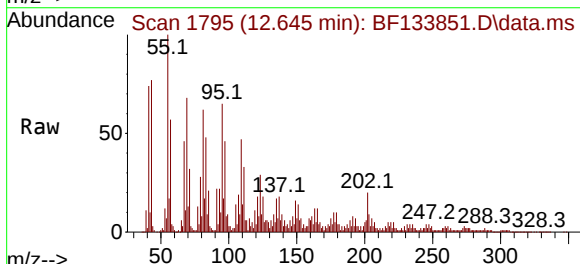
Instrument :
BNA_F
ClientSampleId :
WC-1

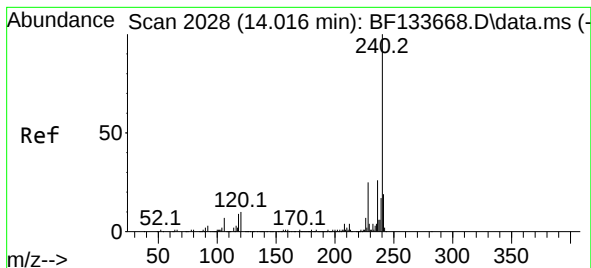
Tgt Ion:178 Resp: 34554
Ion Ratio Lower Upper
178 100
176 32.1 15.6 23.4#
179 96.6 12.4 18.6#



#75
Fluoranthene
Concen: 3.726 ng
RT: 12.645 min Scan# 1795
Delta R.T. 0.030 min
Lab File: BF133851.D
Acq: 20 Jun 2023 12:20

Tgt Ion:202 Resp: 52298
Ion Ratio Lower Upper
202 100
101 14.2 0.0 29.6
203 45.0 0.0 37.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.075 min Scan# 20

Delta R.T. 0.024 min

Lab File: BF133851.D

Acq: 20 Jun 2023 12:20

Instrument :

BNA_F

ClientSampleId :

WC-1

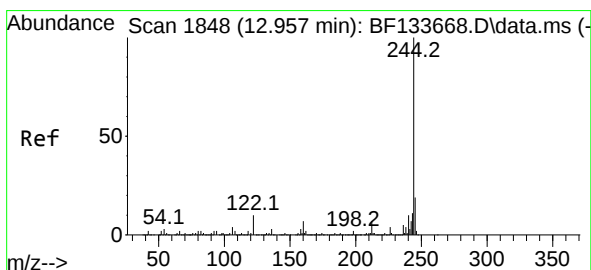
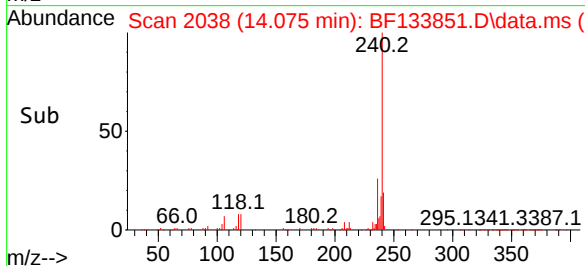
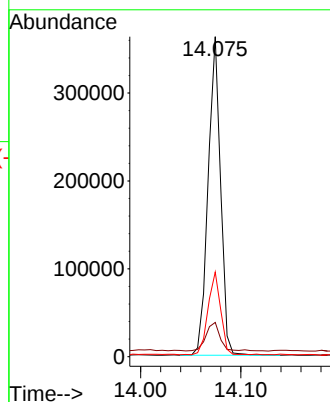
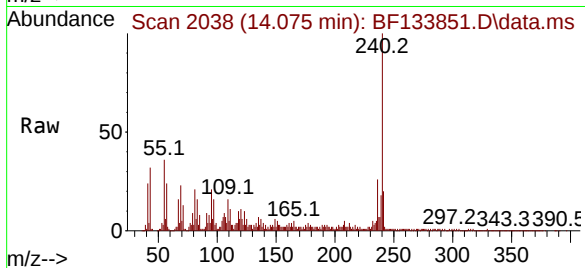
Tgt Ion:240 Resp: 314140

Ion Ratio Lower Upper

240 100

120 10.7 8.1 12.1

236 26.5 20.5 30.7



#79

Terphenyl-d14

Concen: 28.856 ng

RT: 13.016 min Scan# 1858

Delta R.T. 0.030 min

Lab File: BF133851.D

Acq: 20 Jun 2023 12:20

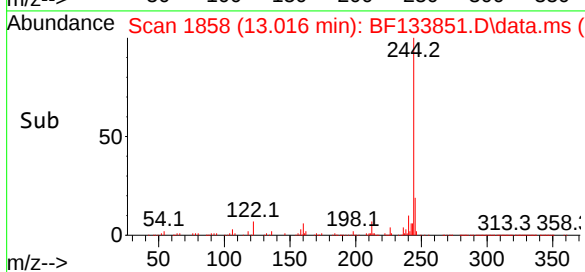
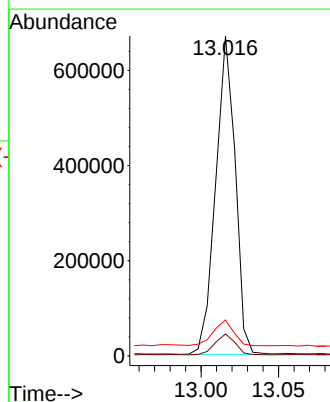
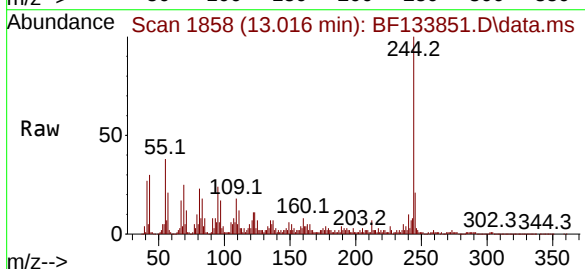
Tgt Ion:244 Resp: 585828

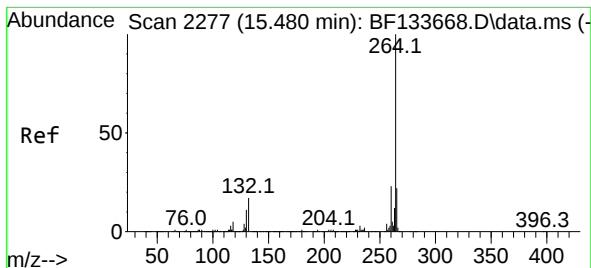
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 11.2 8.1 12.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF133851.D

Acq: 20 Jun 2023 12:20

Instrument :

BNA_F

ClientSampleId :

WC-1

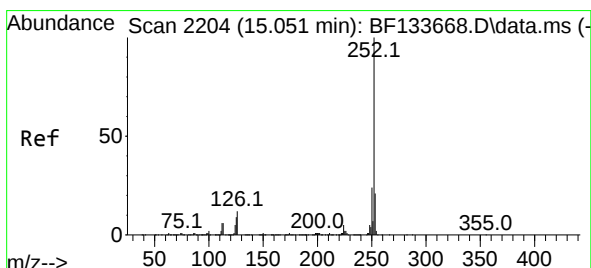
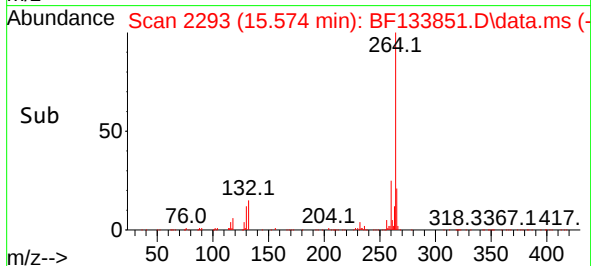
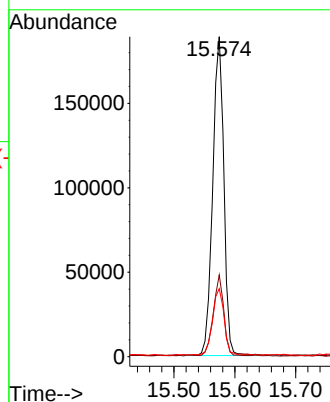
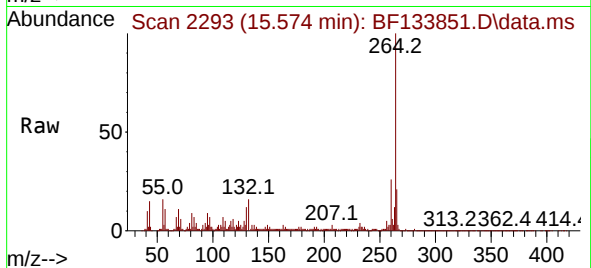
Tgt Ion:264 Resp: 240170

Ion Ratio Lower Upper

264 100

260 25.5 18.2 27.2

265 21.3 17.8 26.6



#88

Benzo(b)fluoranthene

Concen: 3.586 ng

RT: 15.127 min Scan# 2217

Delta R.T. 0.018 min

Lab File: BF133851.D

Acq: 20 Jun 2023 12:20

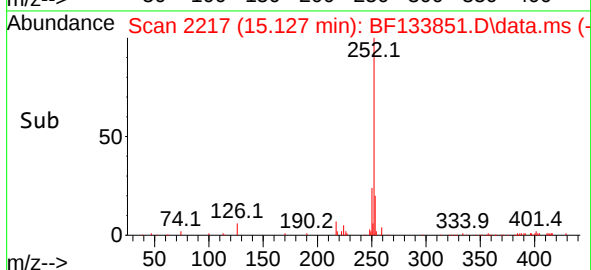
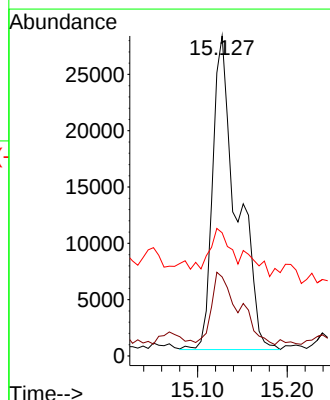
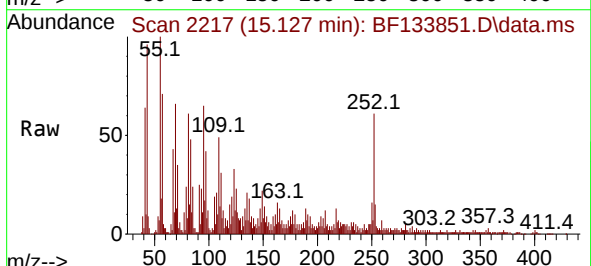
Tgt Ion:252 Resp: 52318

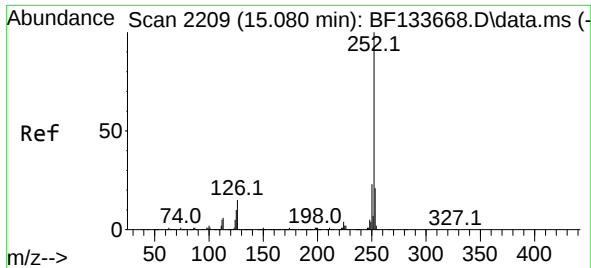
Ion Ratio Lower Upper

252 100

253 24.7 17.0 25.6

125 38.5 7.3 10.9#





#89

Benzo(k)fluoranthene

Concen: 3.681 ng

RT: 15.127 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133851.D

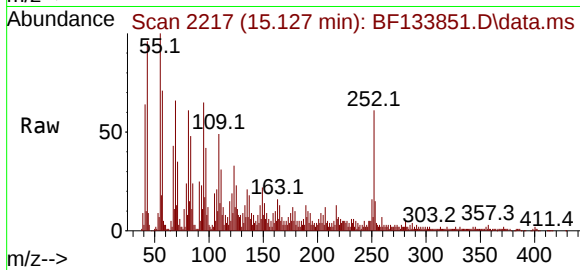
Acq: 20 Jun 2023 12:20

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion:252 Resp: 52318

Ion Ratio Lower Upper

252 100

253 24.7 17.0 25.4

125 38.5 7.8 11.6#

