

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133815.D
 Acq On : 16 Jun 2023 19:42
 Operator : CG\JU
 Sample : 03295-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jun 17 00:11:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 14:54:03 2023
 Response via : Initial Calibration

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

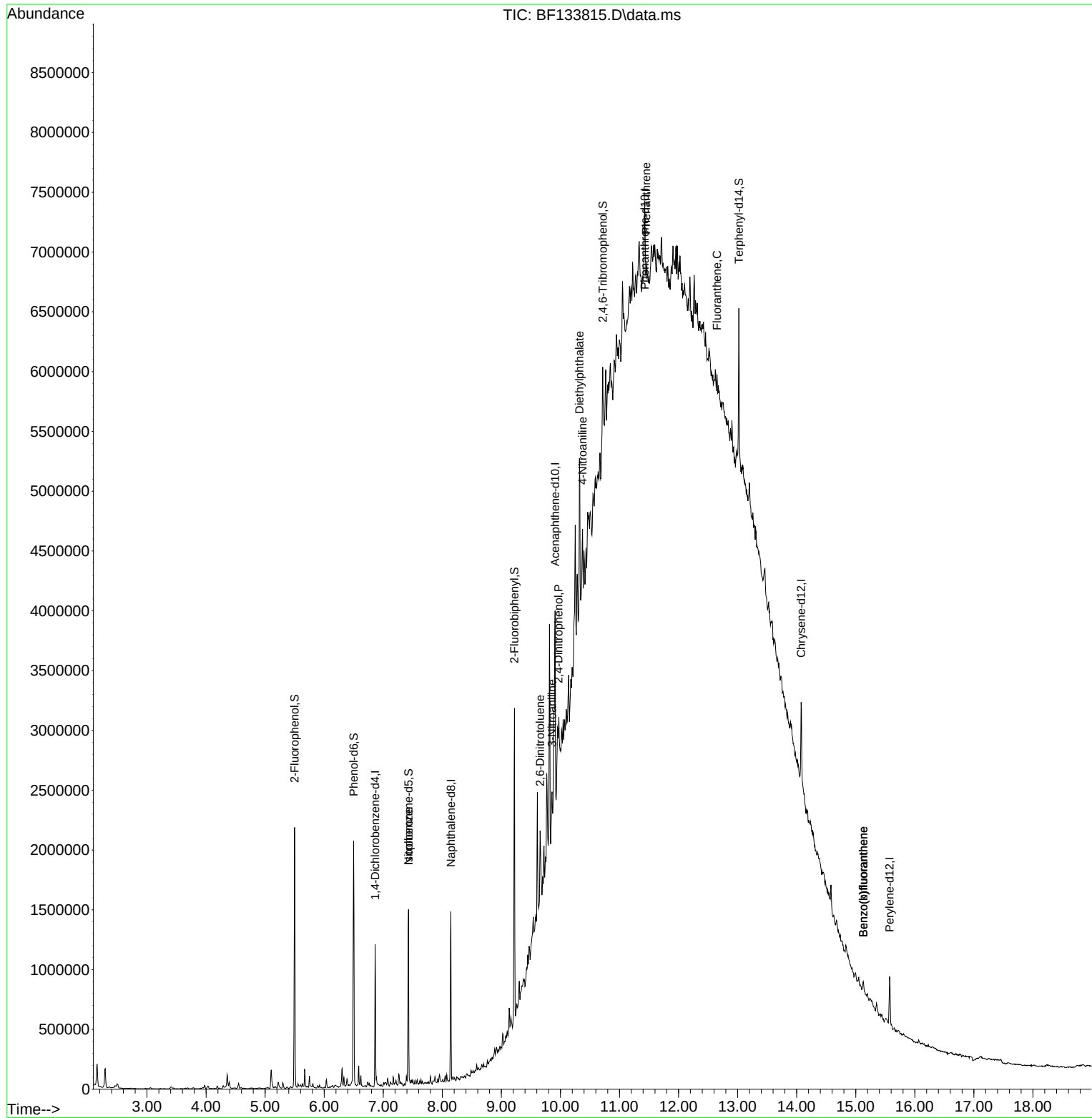
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	154245	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	564802	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	207541	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	280422	20.000	ng	# 0.04
76) Chrysene-d12	14.074	240	260602	20.000	ng	# 0.02
86) Perylene-d12	15.574	264	206272	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	554032	62.531	ng	0.00
7) Phenol-d6	6.498	99	666028	57.751	ng	0.00
23) Nitrobenzene-d5	7.428	82	419711	40.475	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	145010	55.198	ng	0.02
45) 2-Fluorobiphenyl	9.222	172	732360	50.162	ng	0.00
79) Terphenyl-d14	13.021	244	611559	36.312	ng	0.03
Target Compounds						
						Qvalue
25) Isophorone	7.428	82	417434	21.927	ng	# 66
51) 2,6-Dinitrotoluene	9.657	165	47361	14.812	ng	# 30
53) 3-Nitroaniline	9.857	138	12306	3.163	ng	# 24
54) 2,4-Dinitrophenol	9.969	184	293	5.891	ng	# 1
60) Diethylphthalate	10.321	149	38515	2.443	ng	# 41
62) 4-Nitroaniline	10.374	138	22689	5.947	ng	# 87
71) Phenanthrene	11.451	178	35817	2.517	ng	# 9
75) Fluoranthene	12.651	202	56793	3.759	ng	# 62
88) Benzo(b)fluoranthene	15.127	252	32863	2.623	ng	# 56
89) Benzo(k)fluoranthene	15.127	252	32863	2.692	ng	# 56

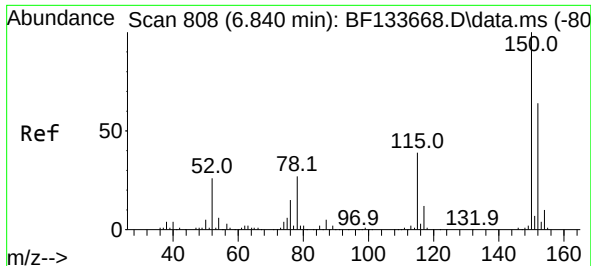
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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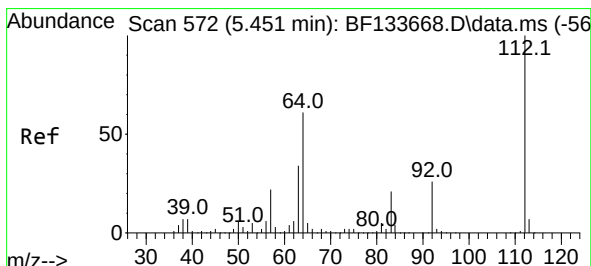
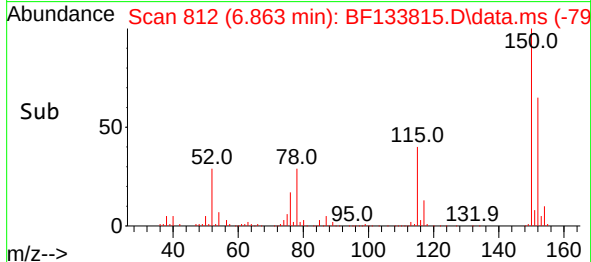
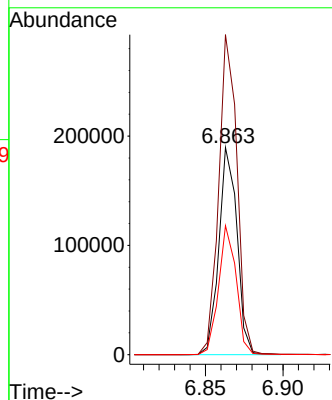
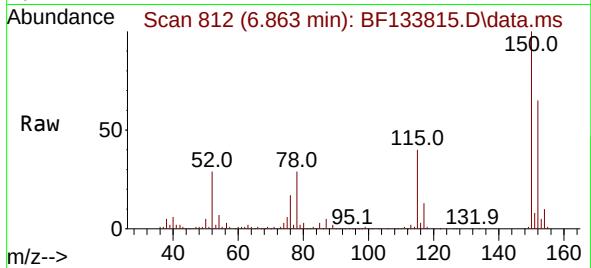




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF133815.D
Acq: 16 Jun 2023 19:42

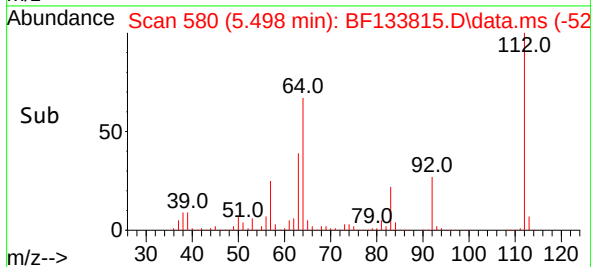
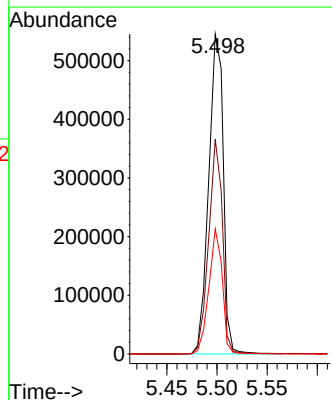
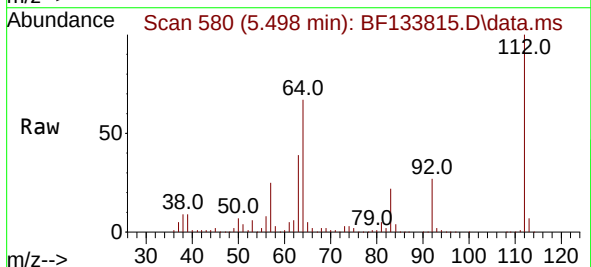
Instrument :
BNA_F
ClientSampleId :
WC-1

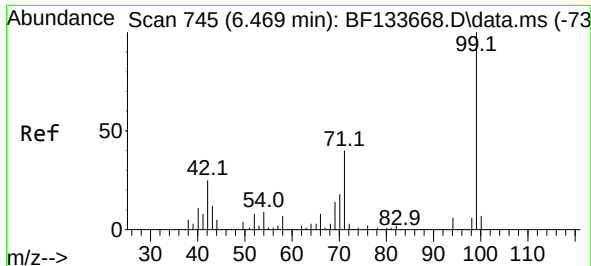
Tgt Ion:152 Resp: 154245
Ion Ratio Lower Upper
152 100
150 154.4 124.3 186.5
115 62.2 48.5 72.7



#5
2-Fluorophenol
Concen: 62.531 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF133815.D
Acq: 16 Jun 2023 19:42

Tgt Ion:112 Resp: 554032
Ion Ratio Lower Upper
112 100
64 67.1 49.0 73.4
63 39.1 26.8 40.2

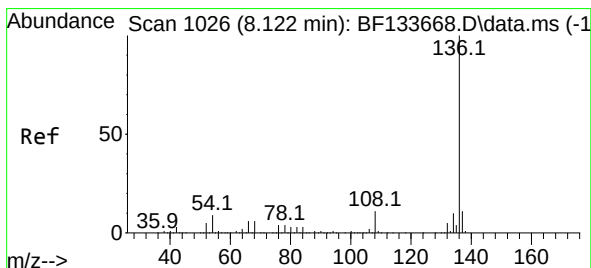
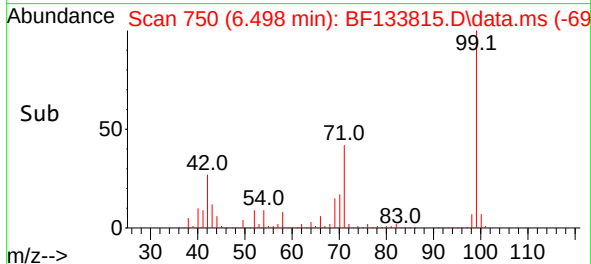
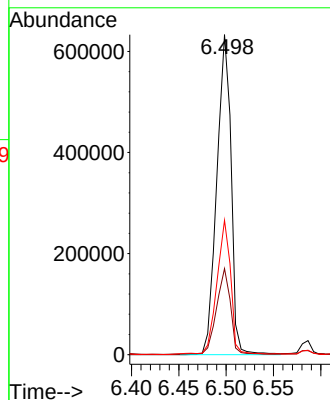
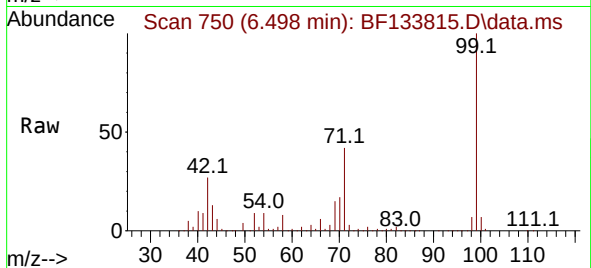




#7
Phenol-d6
Concen: 57.751 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133815.D
Acq: 16 Jun 2023 19:42

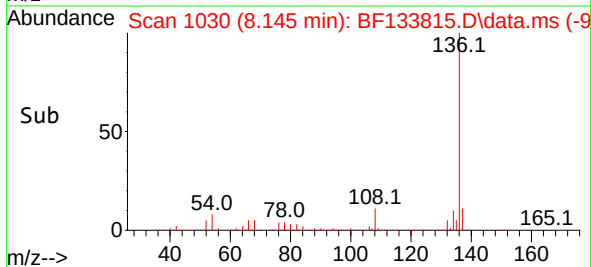
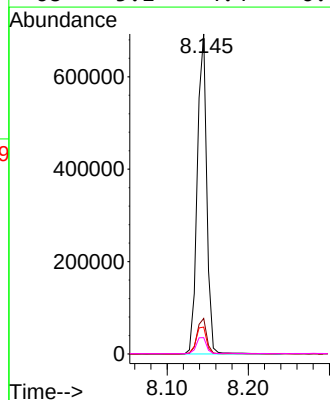
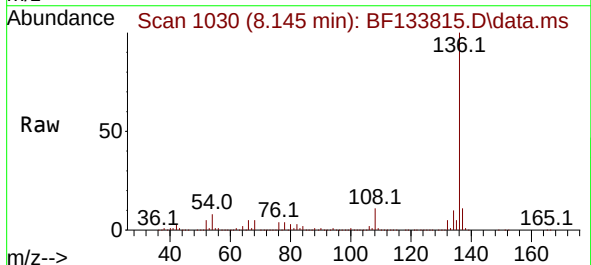
Instrument :
BNA_F
ClientSampleId :
WC-1

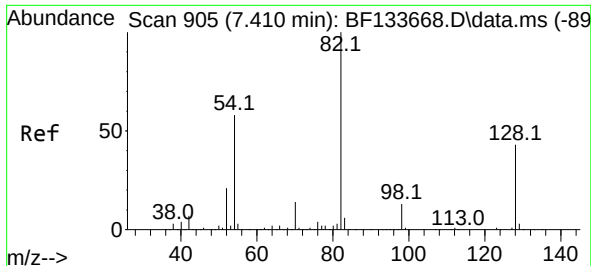
Tgt Ion: 99 Resp: 666028
Ion Ratio Lower Upper
99 100
42 26.9 19.9 29.9
71 42.0 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF133815.D
Acq: 16 Jun 2023 19:42

Tgt Ion:136 Resp: 564802
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.4 7.4 11.0
68 5.1 4.4 6.6





#23

Nitrobenzene-d5

Concen: 40.475 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.000 min

Lab File: BF133815.D

Acq: 16 Jun 2023 19:42

Instrument :

BNA_F

ClientSampleId :

WC-1

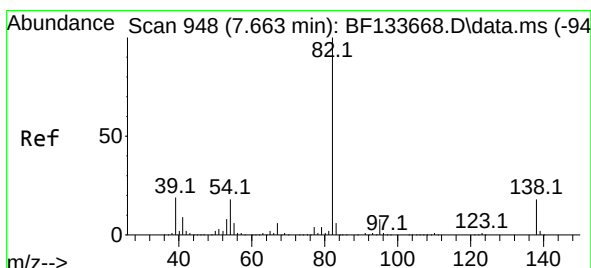
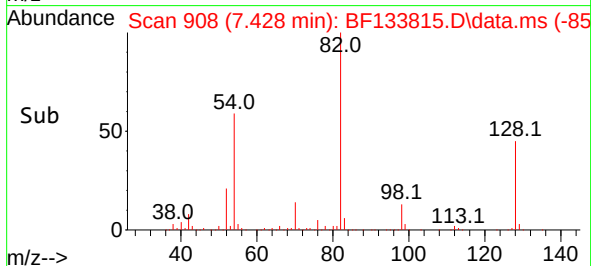
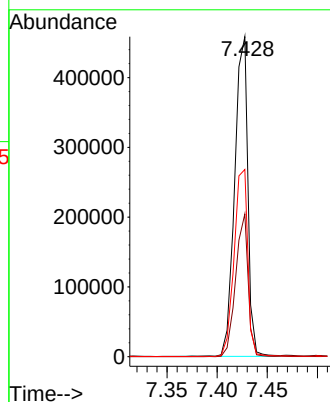
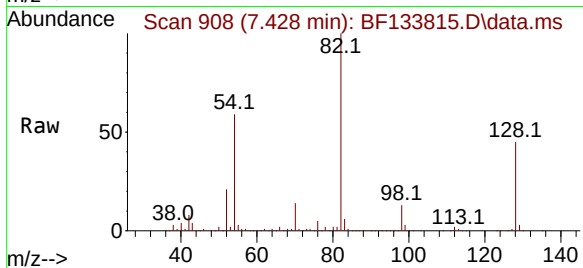
Tgt Ion: 82 Resp: 419711

Ion Ratio Lower Upper

82 100

128 44.6 34.2 51.2

54 58.5 46.5 69.7



#25

Isophorone

Concen: 21.927 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.253 min

Lab File: BF133815.D

Acq: 16 Jun 2023 19:42

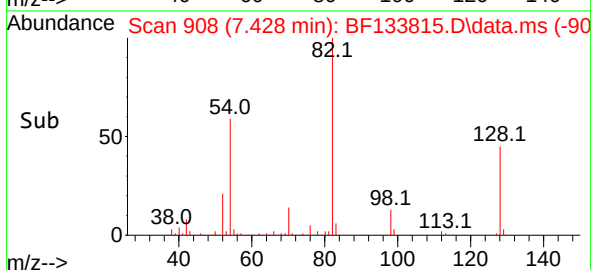
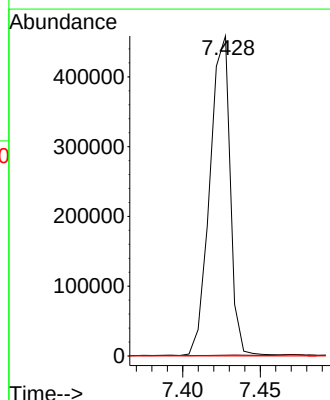
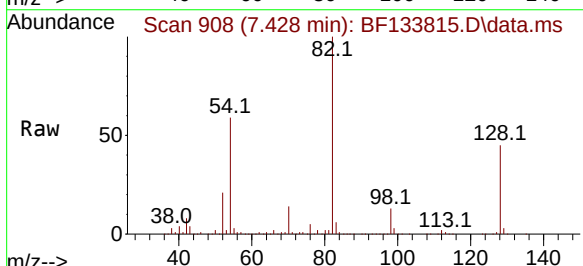
Tgt Ion: 82 Resp: 417434

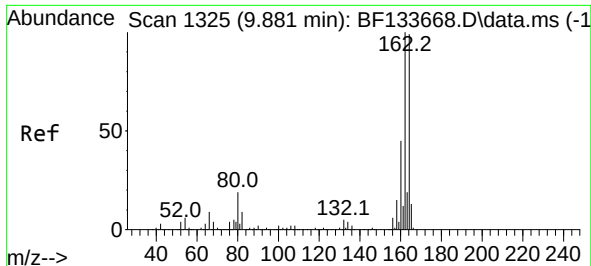
Ion Ratio Lower Upper

82 100

95 0.2 6.0 9.0#

138 0.0 14.2 21.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF133815.D

Acq: 16 Jun 2023 19:42

Instrument :

BNA_F

ClientSampleId :

WC-1

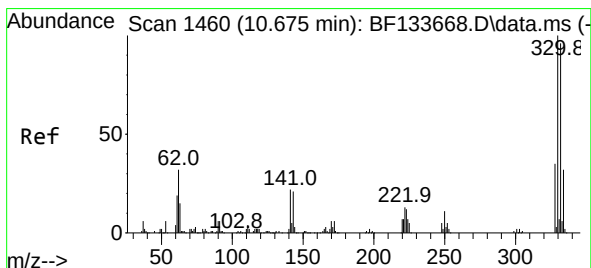
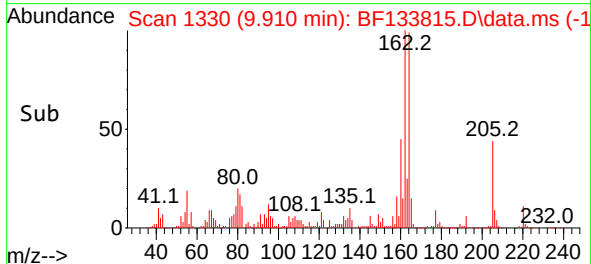
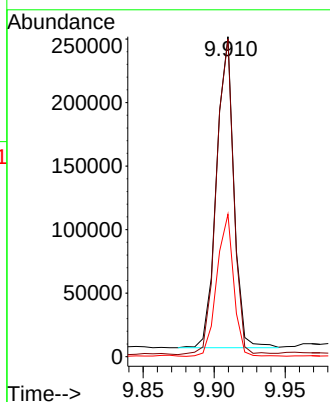
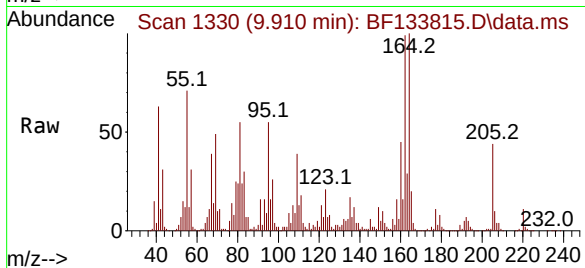
Tgt Ion:164 Resp: 207541

Ion Ratio Lower Upper

164 100

162 99.3 80.8 121.2

160 44.5 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 55.198 ng

RT: 10.716 min Scan# 1467

Delta R.T. 0.023 min

Lab File: BF133815.D

Acq: 16 Jun 2023 19:42

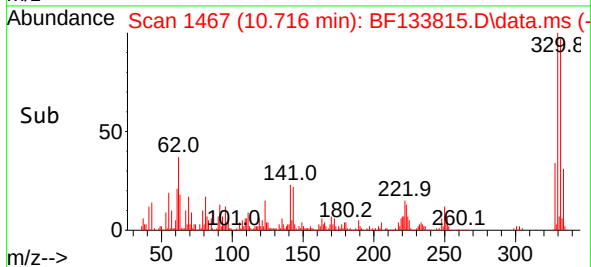
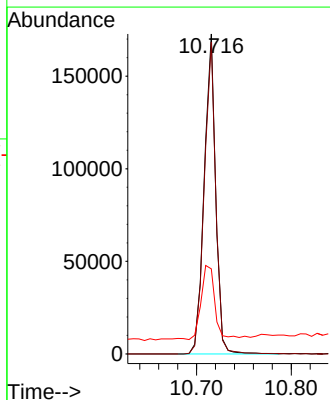
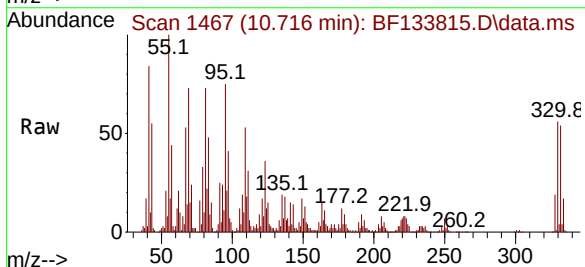
Tgt Ion:330 Resp: 145010

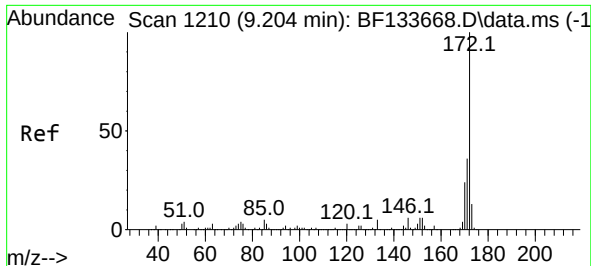
Ion Ratio Lower Upper

330 100

332 98.1 77.2 115.8

141 27.9 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 50.162 ng

RT: 9.222 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133815.D

Acq: 16 Jun 2023 19:42

Instrument :

BNA_F

ClientSampleId :

WC-1

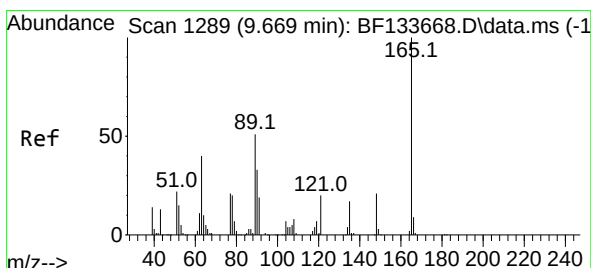
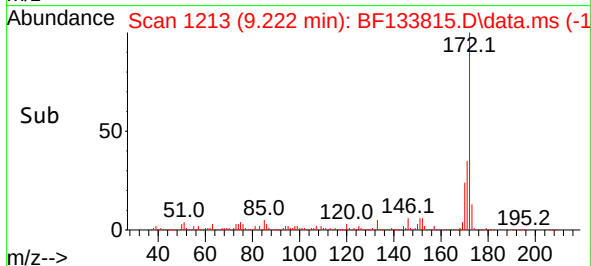
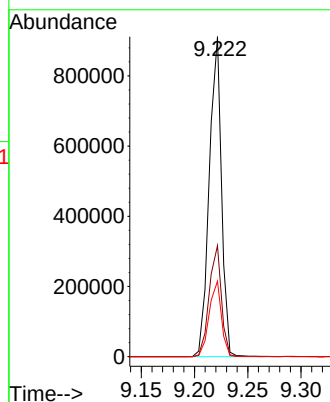
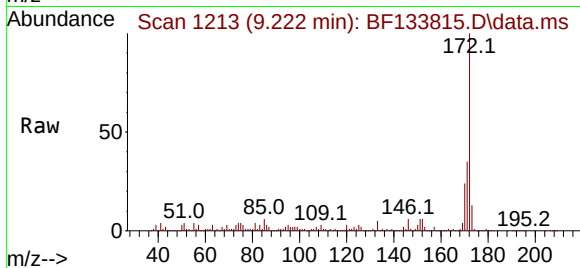
Tgt Ion:172 Resp: 732360

Ion Ratio Lower Upper

172 100

171 34.7 28.6 43.0

170 23.6 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 14.812 ng

RT: 9.657 min Scan# 1287

Delta R.T. -0.030 min

Lab File: BF133815.D

Acq: 16 Jun 2023 19:42

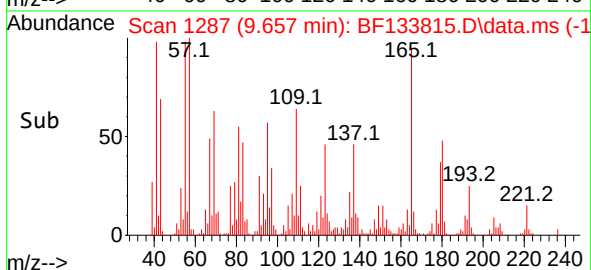
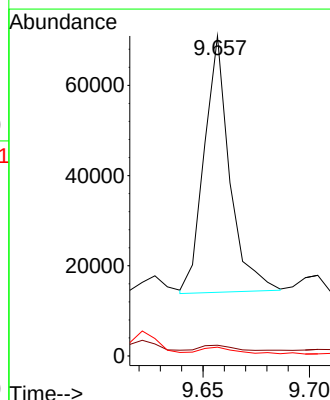
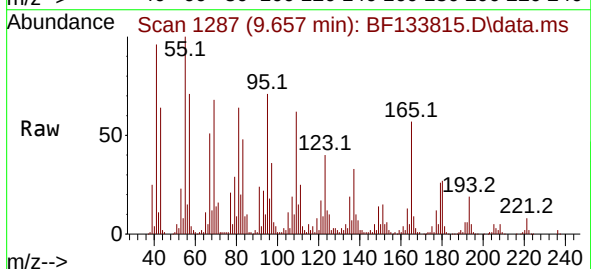
Tgt Ion:165 Resp: 47361

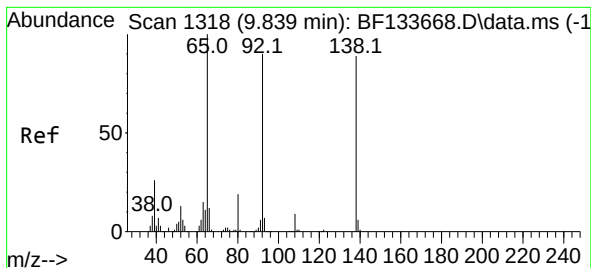
Ion Ratio Lower Upper

165 100

63 3.3 42.1 63.1#

89 2.7 40.9 61.3#





#53

3-Nitroaniline

Concen: 3.163 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133815.D

Acq: 16 Jun 2023 19:42

Instrument :

BNA_F

ClientSampleId :

WC-1

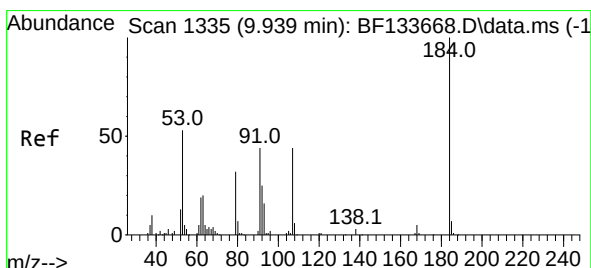
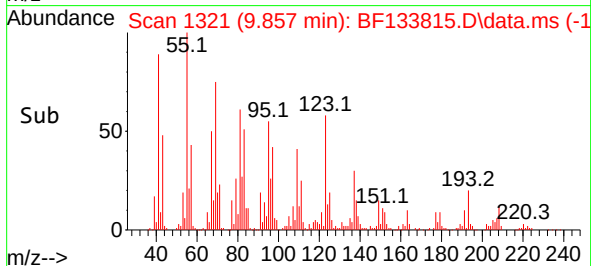
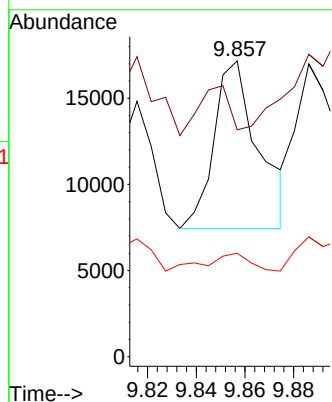
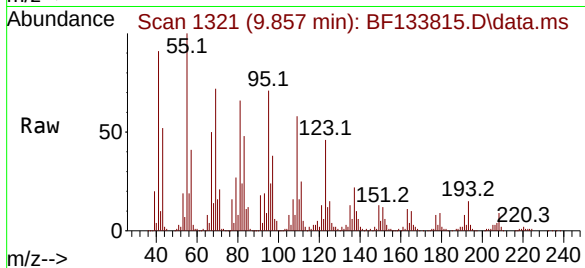
Tgt Ion:138 Resp: 12306

Ion Ratio Lower Upper

138 100

108 76.7 8.2 12.4#

92 35.0 81.0 121.6#



#54

2,4-Dinitrophenol

Concen: 5.891 ng

RT: 9.969 min Scan# 1340

Delta R.T. 0.006 min

Lab File: BF133815.D

Acq: 16 Jun 2023 19:42

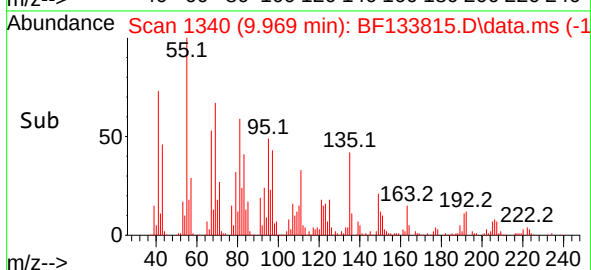
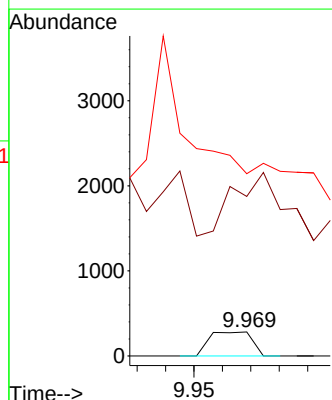
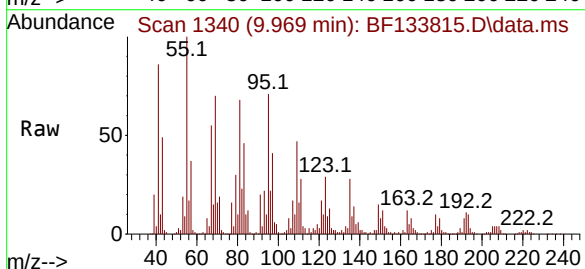
Tgt Ion:184 Resp: 293

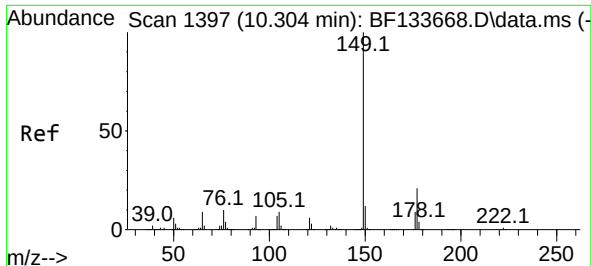
Ion Ratio Lower Upper

184 100

63 665.2 55.3 82.9#

154 759.6 51.9 77.9#

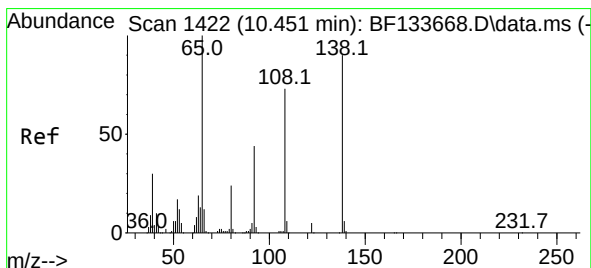
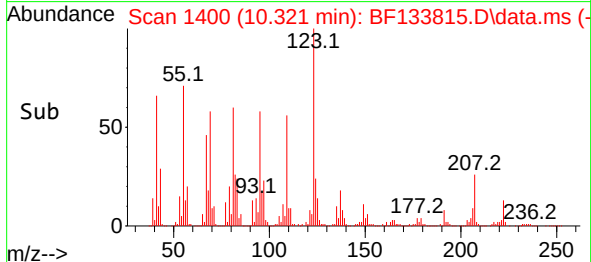
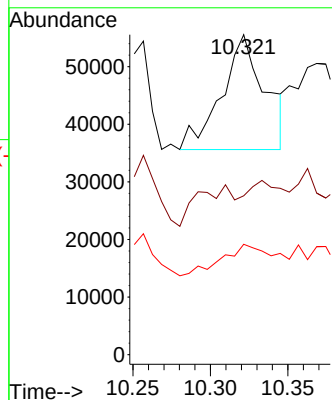
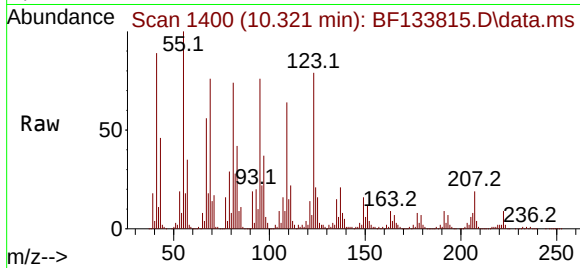




#60
Diethylphthalate
Concen: 2.443 ng
RT: 10.321 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF133815.D
Acq: 16 Jun 2023 19:42

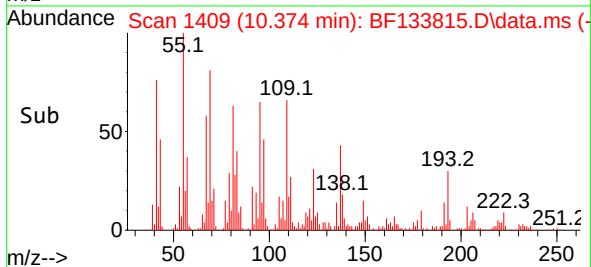
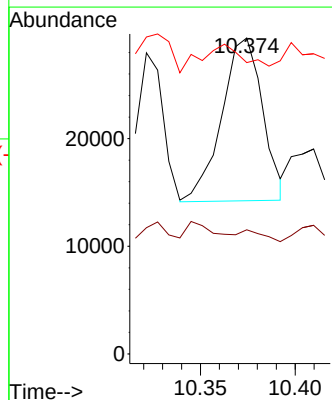
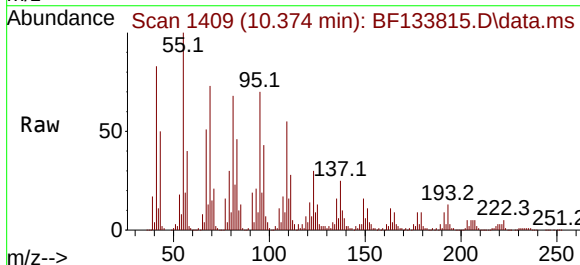
Instrument :
BNA_F
ClientSampleId :
WC-1

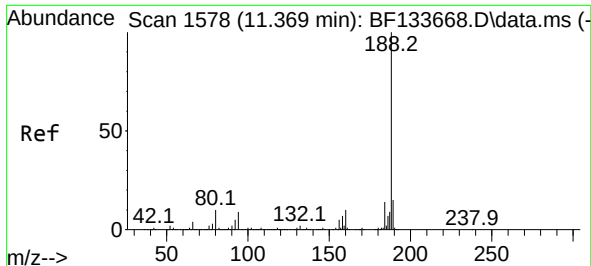
Tgt Ion:149 Resp: 38515
Ion Ratio Lower Upper
149 100
177 49.7 17.0 25.6#
150 34.5 10.0 15.0#



#62
4-Nitroaniline
Concen: 5.947 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.100 min
Lab File: BF133815.D
Acq: 16 Jun 2023 19:42

Tgt Ion:138 Resp: 22689
Ion Ratio Lower Upper
138 100
92 39.3 28.9 68.9
108 92.2 61.0 101.0

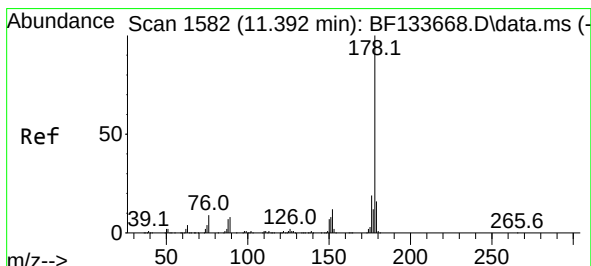
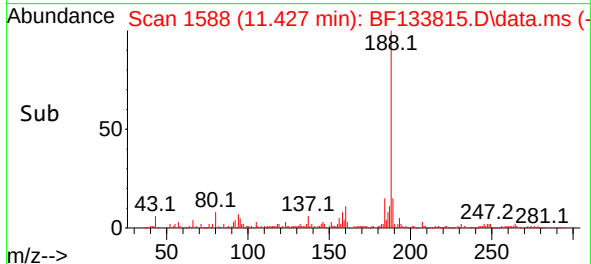
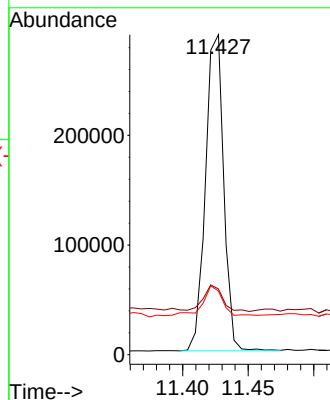
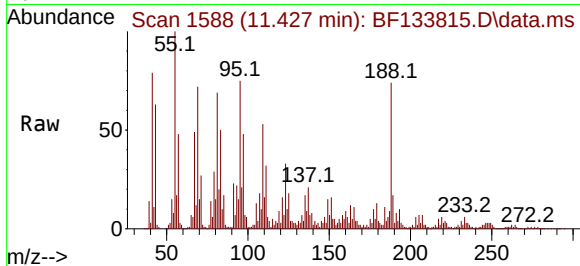




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.035 min
Lab File: BF133815.D
Acq: 16 Jun 2023 19:42

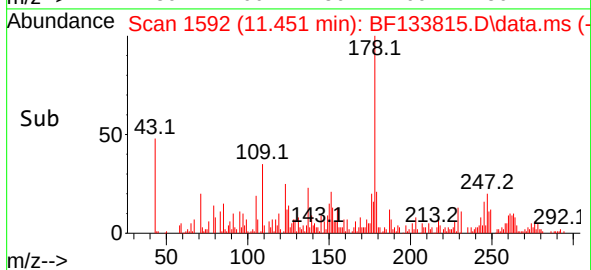
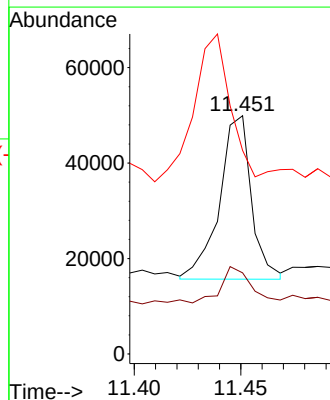
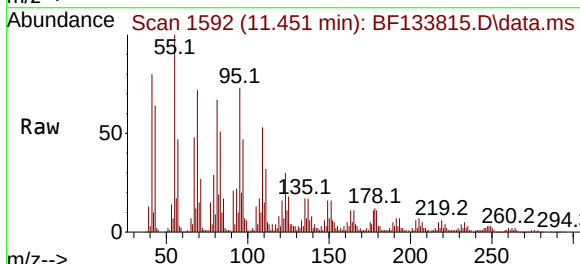
Instrument :
BNA_F
ClientSampleId :
WC-1

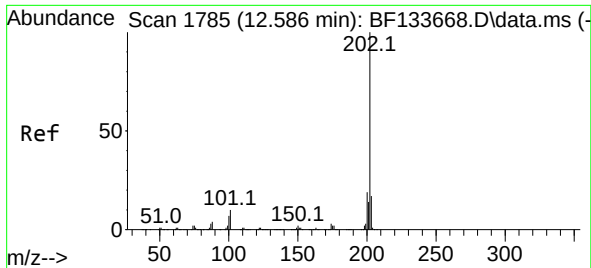
Tgt Ion:188 Resp: 280422
Ion Ratio Lower Upper
188 100
94 20.6 6.8 10.2#
80 19.9 7.8 11.6#



#71
Phenanthrene
Concen: 2.517 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.029 min
Lab File: BF133815.D
Acq: 16 Jun 2023 19:42

Tgt Ion:178 Resp: 35817
Ion Ratio Lower Upper
178 100
176 34.0 15.6 23.4#
179 85.4 12.4 18.6#

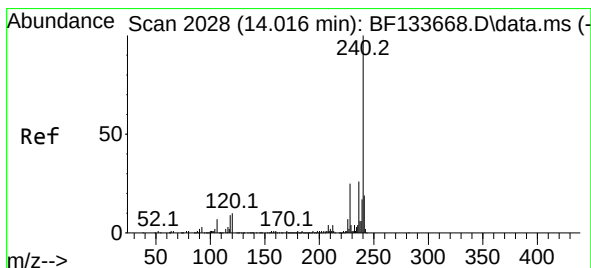
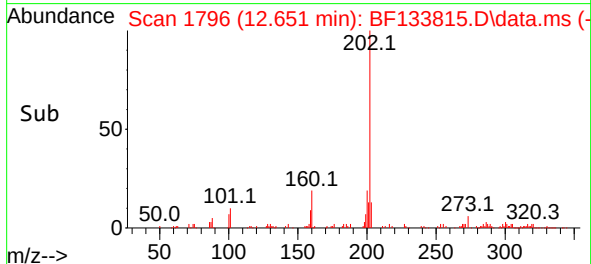
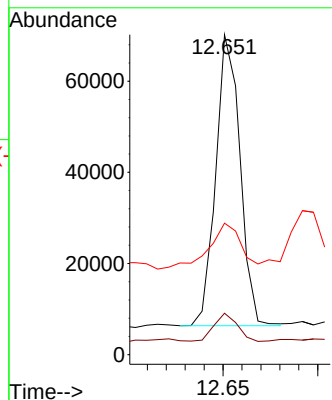
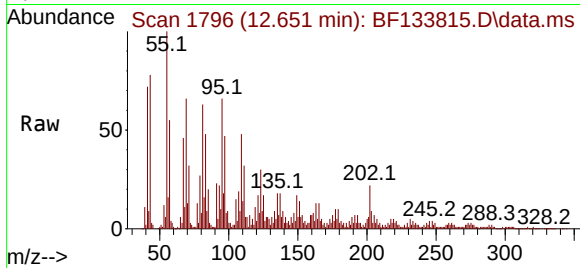




#75
Fluoranthene
Concen: 3.759 ng
RT: 12.651 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF133815.D
Acq: 16 Jun 2023 19:42

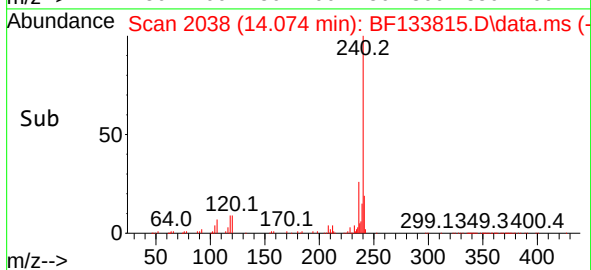
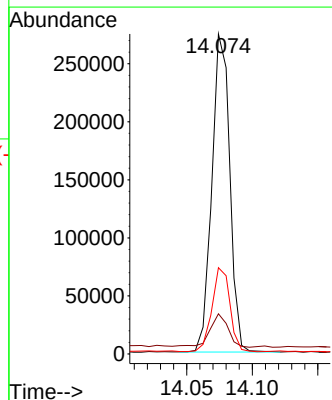
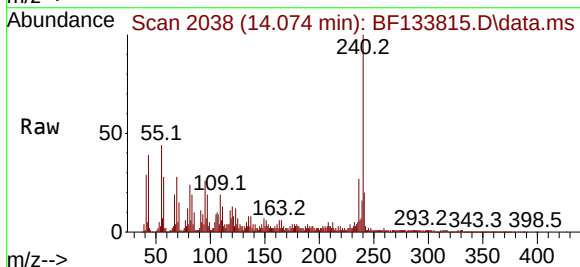
Instrument :
BNA_F
ClientSampleId :
WC-1

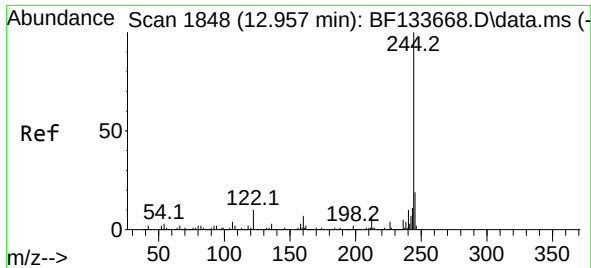
Tgt Ion:202 Resp: 56793
Ion Ratio Lower Upper
202 100
101 13.0 0.0 29.6
203 41.1 0.0 37.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.023 min
Lab File: BF133815.D
Acq: 16 Jun 2023 19:42

Tgt Ion:240 Resp: 260602
Ion Ratio Lower Upper
240 100
120 12.5 8.1 12.1#
236 26.9 20.5 30.7

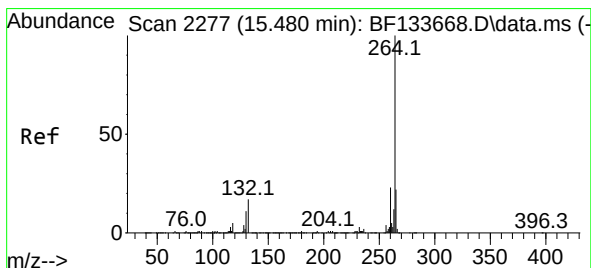
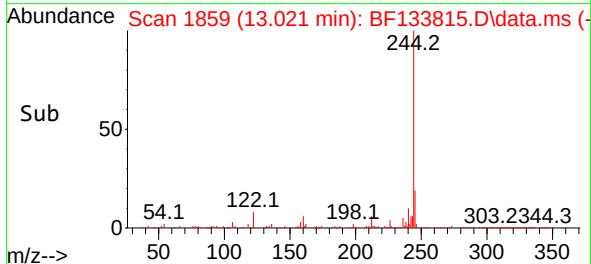
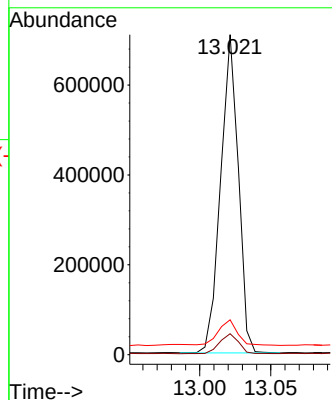
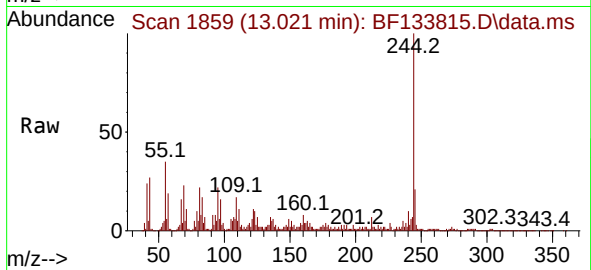




#79
 Terphenyl-d14
 Concen: 36.312 ng
 RT: 13.021 min Scan# 1859
 Delta R.T. 0.029 min
 Lab File: BF133815.D
 Acq: 16 Jun 2023 19:42

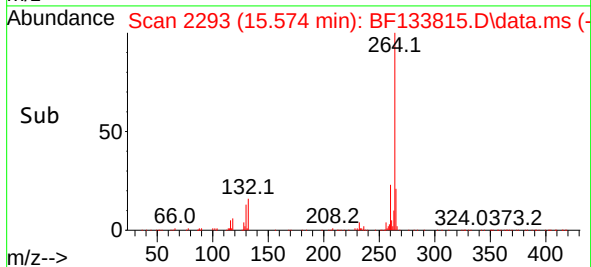
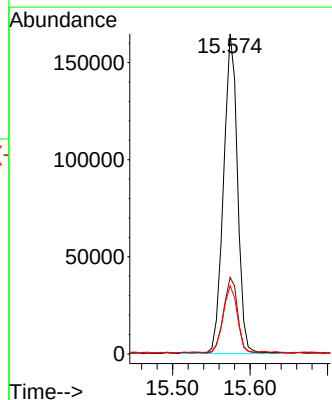
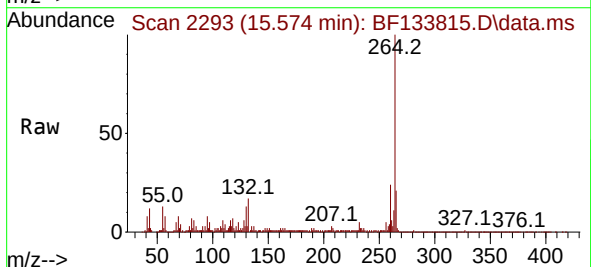
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

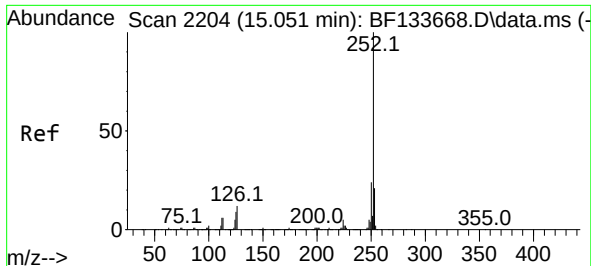
Tgt Ion:244 Resp: 611559
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 10.9 8.1 12.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.574 min Scan# 2293
 Delta R.T. 0.012 min
 Lab File: BF133815.D
 Acq: 16 Jun 2023 19:42

Tgt Ion:264 Resp: 206272
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.2 27.2
 265 21.3 17.8 26.6

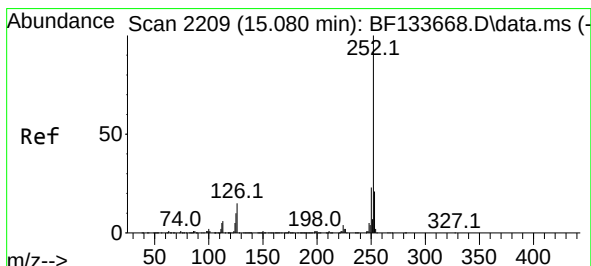
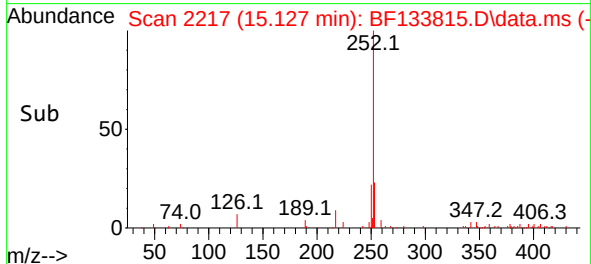
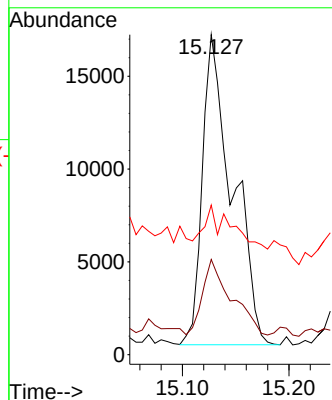
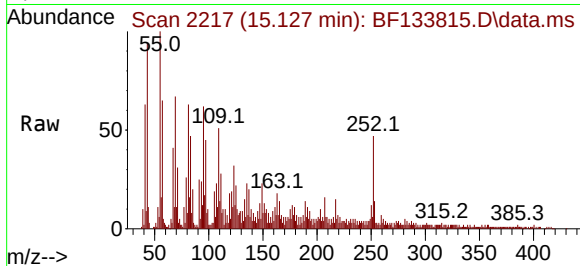




#88
Benzo(b)fluoranthene
Concen: 2.623 ng
RT: 15.127 min Scan# 2117
Delta R.T. 0.012 min
Lab File: BF133815.D
Acq: 16 Jun 2023 19:42

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:252 Resp: 32863
Ion Ratio Lower Upper
252 100
253 29.7 17.0 25.6#
125 46.8 7.3 10.9#



#89
Benzo(k)fluoranthene
Concen: 2.692 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.018 min
Lab File: BF133815.D
Acq: 16 Jun 2023 19:42

Tgt Ion:252 Resp: 32863
Ion Ratio Lower Upper
252 100
253 29.7 17.0 25.4#
125 46.8 7.8 11.6#

