

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061523\
 Data File : BF133774.D
 Acq On : 15 Jun 2023 14:37
 Operator : CG\JU
 Sample : 03155-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jun 15 15:01:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 14 16:27:59 2023
 Response via : Initial Calibration

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

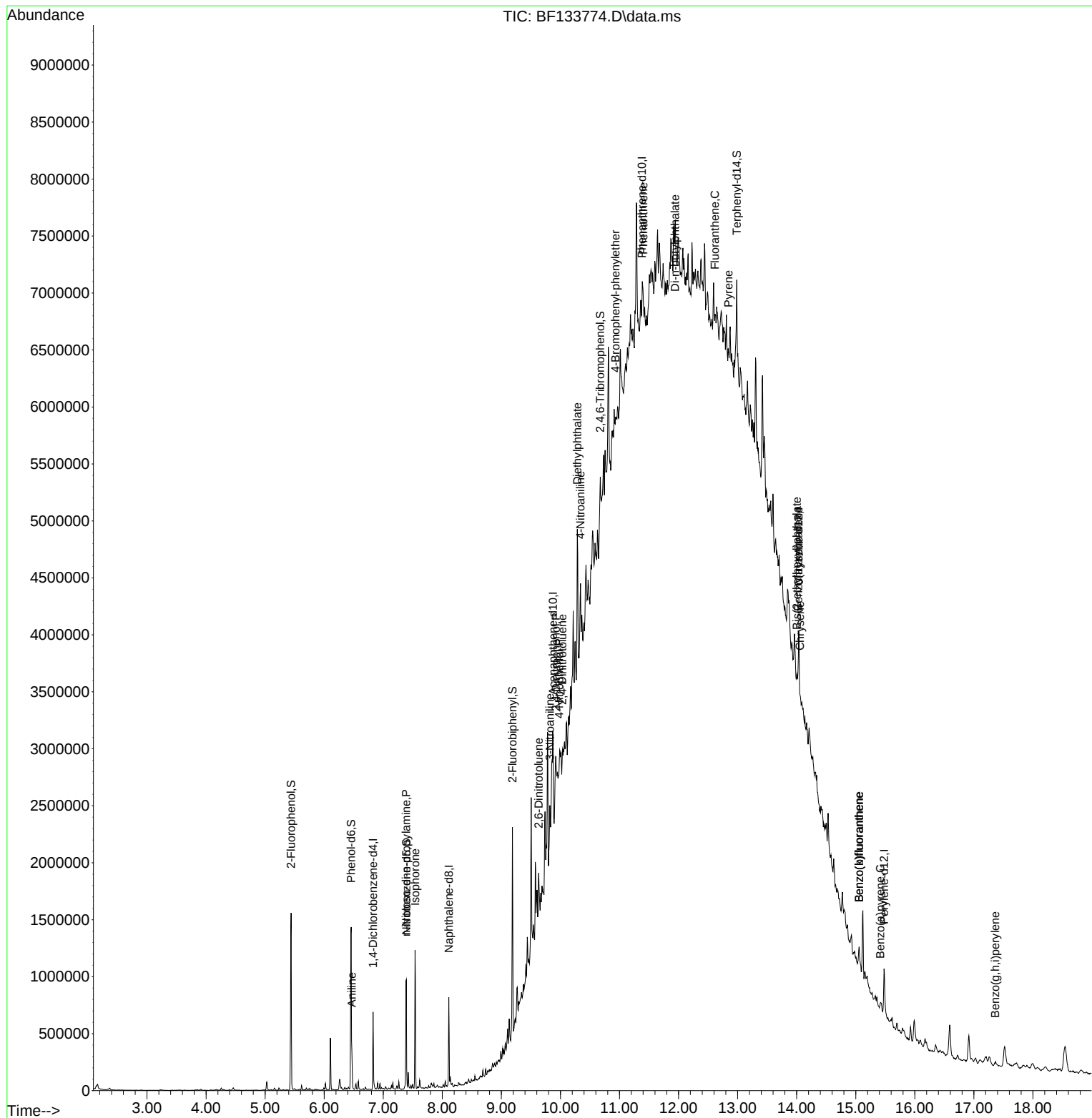
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.827	152	83595	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	294299	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	116319	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	149702	20.000	ng	# 0.02
76) Chrysene-d12	14.033	240	174998	20.000	ng	# 0.02
86) Perylene-d12	15.480	264	170800	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	387026	80.600	ng	0.00
7) Phenol-d6	6.457	99	436216	69.791	ng	-0.01
23) Nitrobenzene-d5	7.392	82	285655	52.867	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	98582	66.954	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	494995	60.493	ng	0.00
79) Terphenyl-d14	12.986	244	439375	38.850	ng	0.04
Target Compounds						Qvalue
6) Aniline	6.469	93	59924	7.612	ng	# 49
19) n-Nitroso-di-n-propyla...	7.386	70	40086	10.080	ng	# 80
25) Isophorone	7.539	82	24161	2.436	ng	# 1
51) 2,6-Dinitrotoluene	9.633	165	8749	4.882	ng	# 35
53) 3-Nitroaniline	9.821	138	11009	5.048	ng	# 21
54) 2,4-Dinitrophenol	9.921	184	267	6.000	ng	# 1
56) 4-Nitrophenol	9.980	139	5110	3.472	ng	# 1
57) 2,4-Dinitrotoluene	10.033	165	8003	3.511	ng	# 27
60) Diethylphthalate	10.286	149	18006	2.038	ng	# 31
62) 4-Nitroaniline	10.339	138	24994	11.689	ng	92
67) 4-Bromophenyl-phenylether	10.933	248	6902	4.131	ng	# 2
71) Phenanthrene	11.404	178	19168	2.524	ng	# 1
74) Di-n-butylphthalate	11.939	149	53214	5.628	ng	# 39
75) Fluoranthene	12.615	202	41744	5.176	ng	# 47
78) Pyrene	12.845	202	41943	2.573	ng	# 57
81) Benzo(a)anthracene	14.027	228	25256	2.086	ng	# 63
83) Chrysene	14.056	228	30524	2.666	ng	# 84
84) Bis(2-ethylhexyl)phtha...	14.003	149	21453	2.532	ng	# 82
88) Benzo(b)fluoranthene	15.056	252	66534	6.413	ng	# 70
89) Benzo(k)fluoranthene	15.056	252	66534	6.583	ng	# 70
90) Benzo(a)pyrene	15.415	252	27253	2.830	ng	# 74
92) Benzo(g,h,i)perylene	17.362	276	22222	2.304	ng	# 91

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

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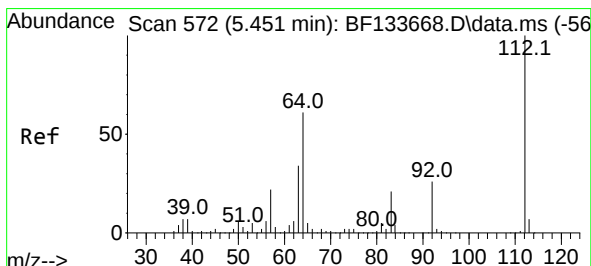
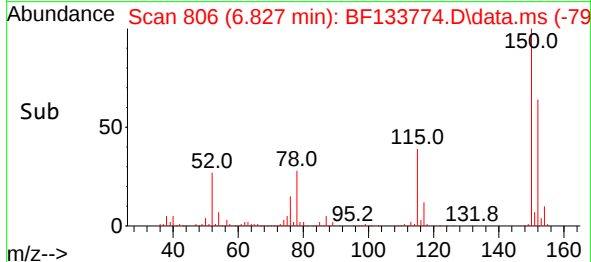
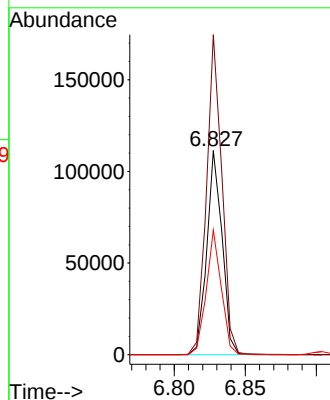
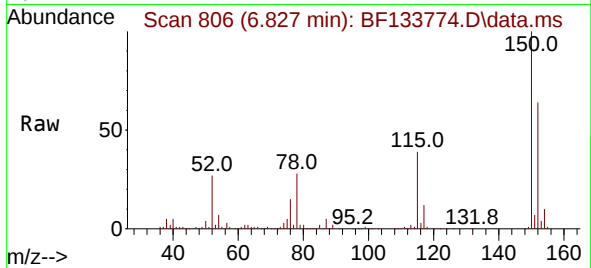




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.827 min Scan# 80
Delta R.T. -0.007 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

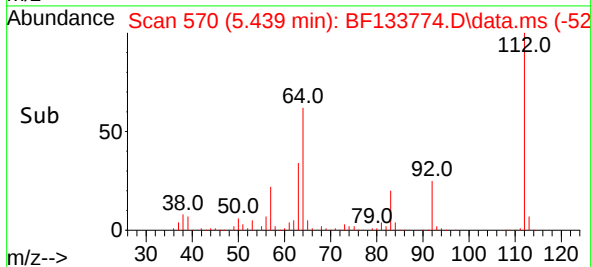
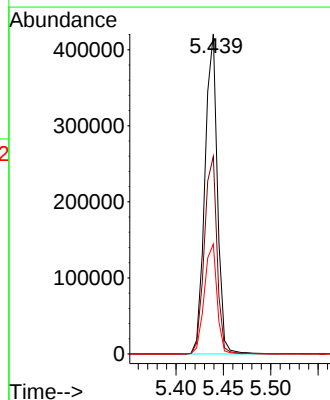
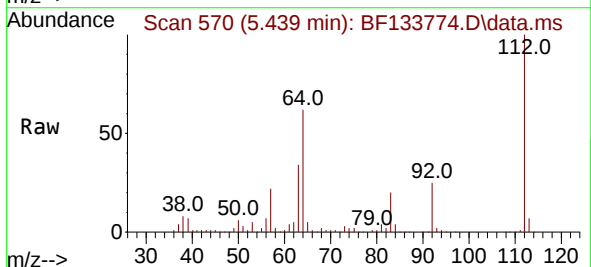
Instrument :
BNA_F
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WC-1

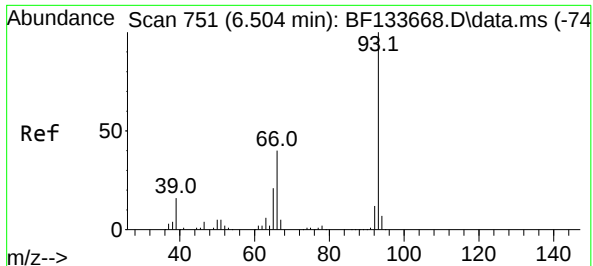
Tgt Ion:152 Resp: 83595
Ion Ratio Lower Upper
152 100
150 156.7 124.3 186.5
115 61.0 48.5 72.7



#5
2-Fluorophenol
Concen: 80.600 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

Tgt Ion:112 Resp: 387026
Ion Ratio Lower Upper
112 100
64 61.7 49.0 73.4
63 34.4 26.8 40.2

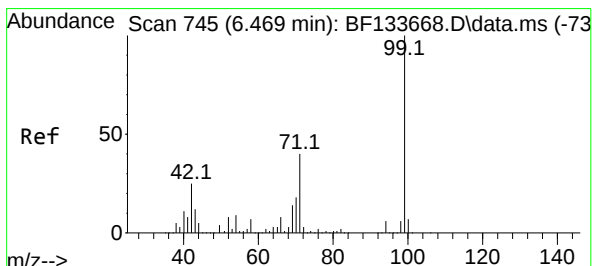
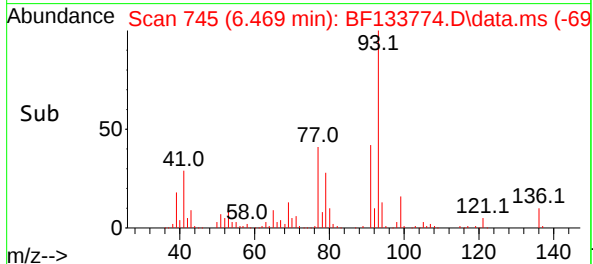
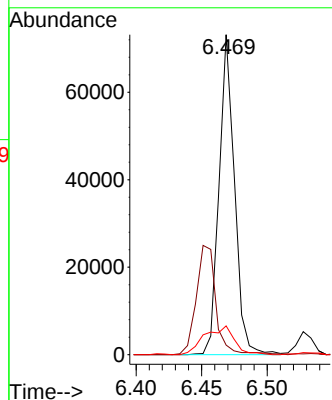
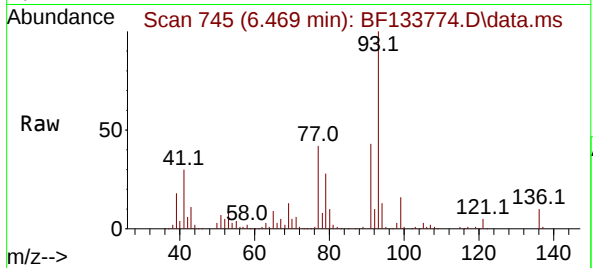




#6
Aniline
Concen: 7.612 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.030 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

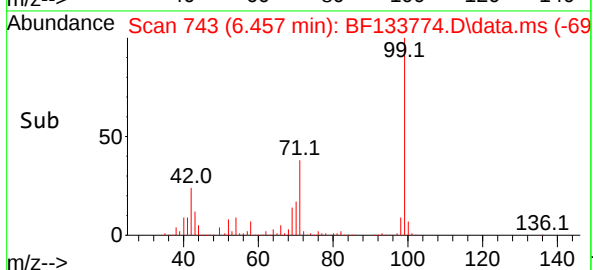
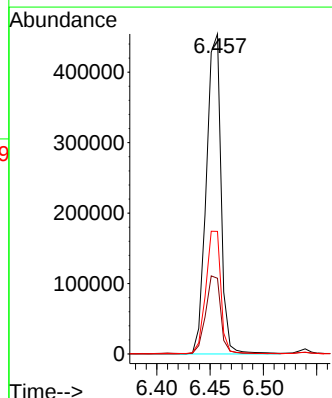
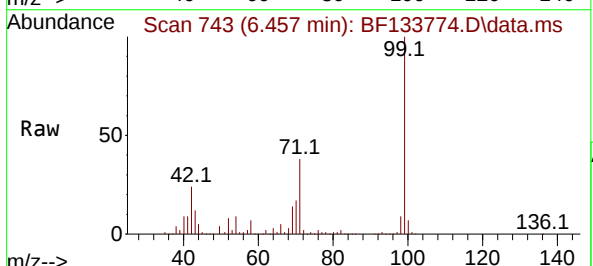
Instrument :
BNA_F
ClientSampleId :
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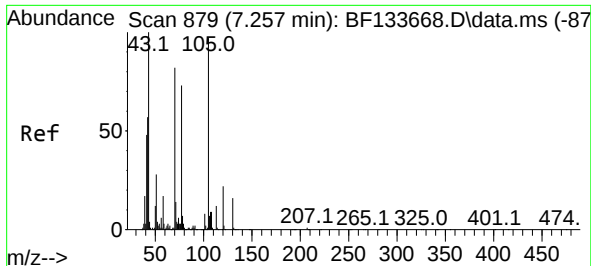
Tgt Ion: 93 Resp: 59924
Ion Ratio Lower Upper
93 100
66 3.0 34.4 51.6#
65 9.0 17.5 26.3#



#7
Phenol-d6
Concen: 69.791 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

Tgt Ion: 99 Resp: 436216
Ion Ratio Lower Upper
99 100
42 23.7 19.9 29.9
71 38.3 32.2 48.4

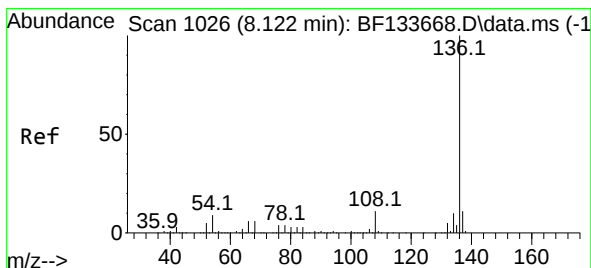
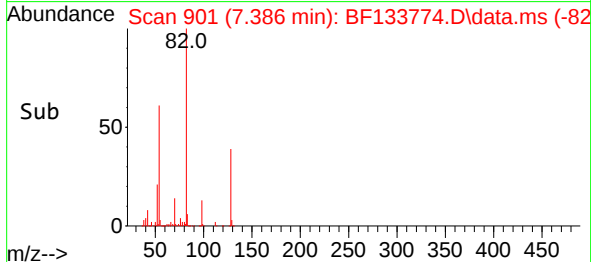
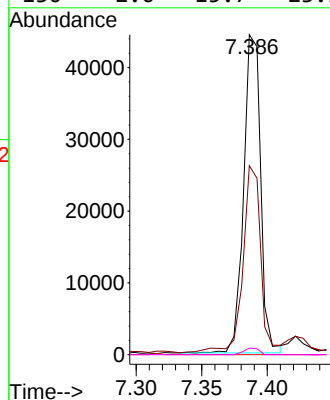
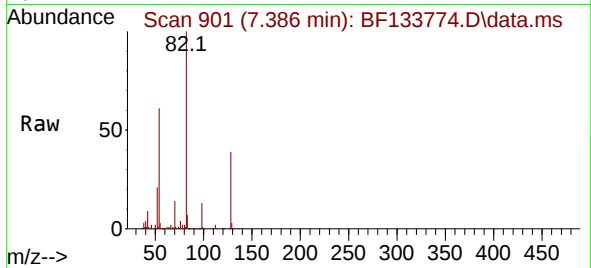




#19
n-Nitroso-di-n-propylamine
Concen: 10.080 ng
RT: 7.386 min Scan# 90
Delta R.T. 0.135 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

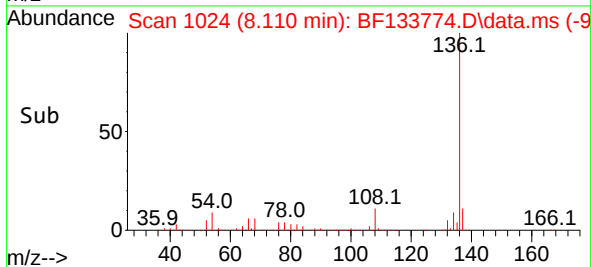
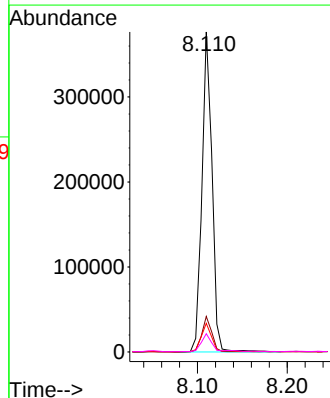
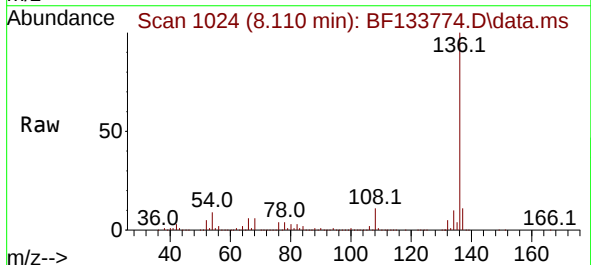
Instrument :
BNA_F
ClientSampleId :
WC-1

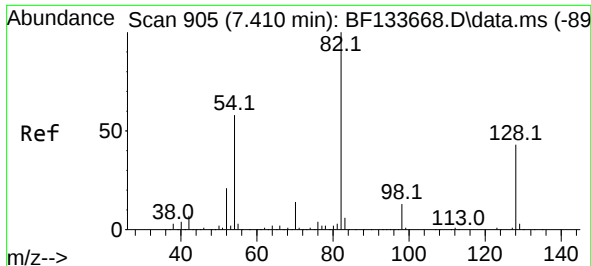
Tgt Ion: 70 Resp: 40086
Ion Ratio Lower Upper
70 100
42 59.1 55.8 83.8
101 0.0 8.1 12.1#
130 2.0 15.7 23.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

Tgt Ion:136 Resp: 294299
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.0 7.4 11.0
68 5.7 4.4 6.6





#23

Nitrobenzene-d5

Concen: 52.867 ng

RT: 7.392 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

Instrument :

BNA_F

ClientSampleId :

WC-1

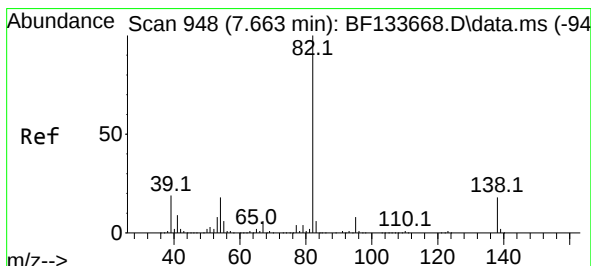
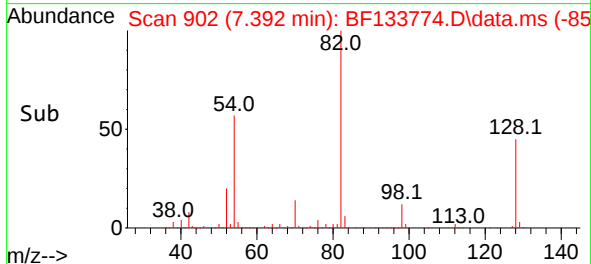
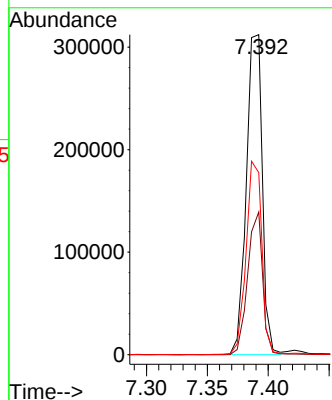
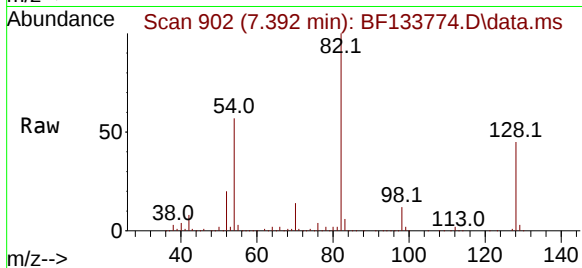
Tgt Ion: 82 Resp: 285655

Ion Ratio Lower Upper

82 100

128 44.6 34.2 51.2

54 56.9 46.5 69.7



#25

Isophorone

Concen: 2.436 ng

RT: 7.539 min Scan# 927

Delta R.T. -0.118 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

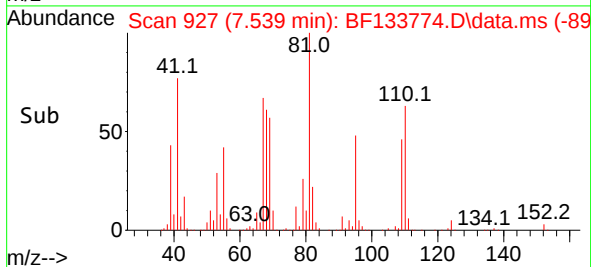
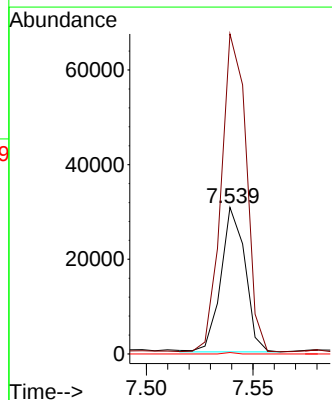
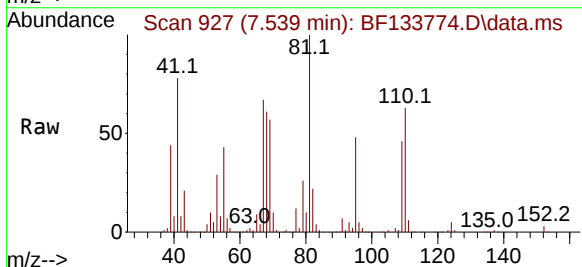
Tgt Ion: 82 Resp: 24161

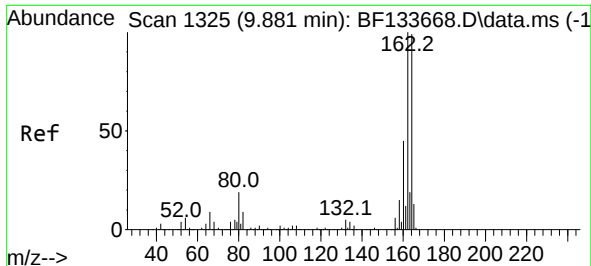
Ion Ratio Lower Upper

82 100

95 218.4 6.0 9.0#

138 1.0 14.2 21.2#

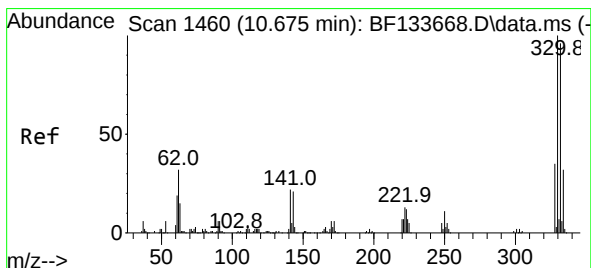
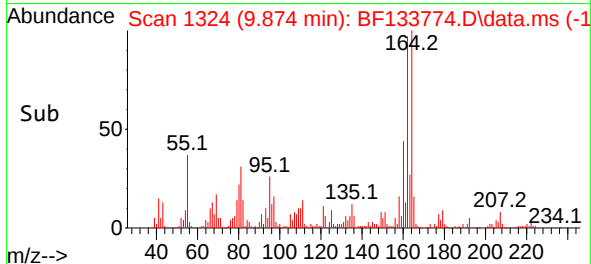
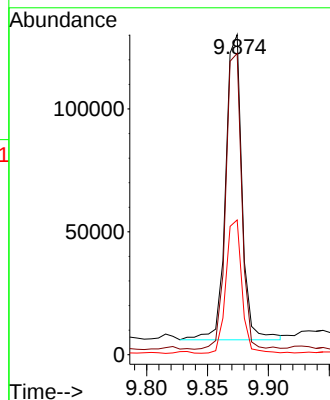
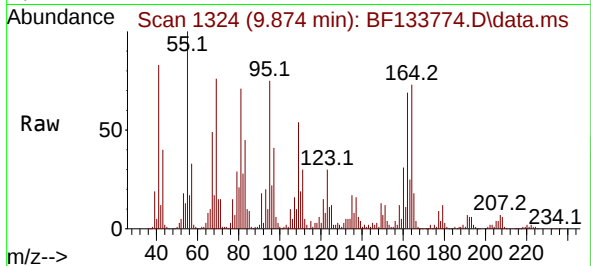




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

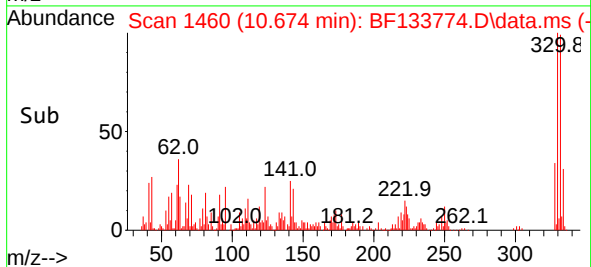
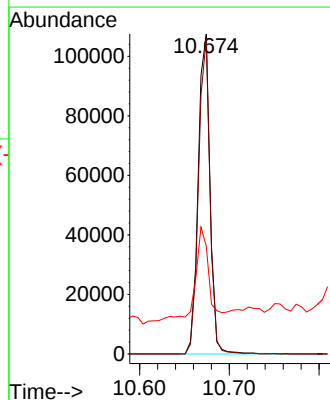
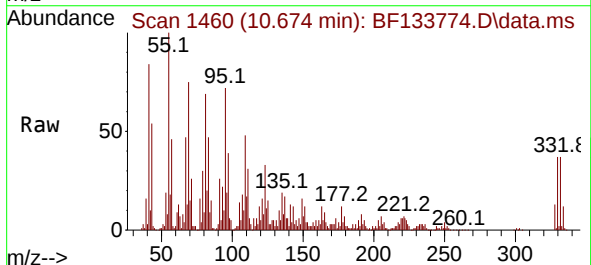
Instrument :
BNA_F
ClientSampleId :
WC-1

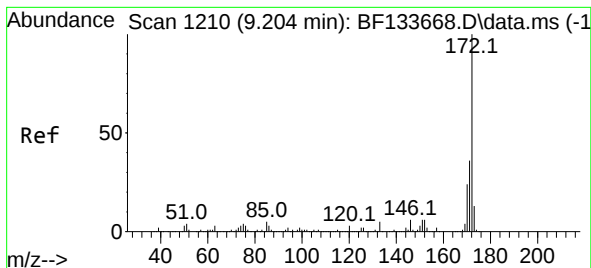
Tgt Ion:164 Resp: 116319
Ion Ratio Lower Upper
164 100
162 94.1 80.8 121.2
160 42.1 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 66.954 ng
RT: 10.674 min Scan# 1460
Delta R.T. 0.006 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

Tgt Ion:330 Resp: 98582
Ion Ratio Lower Upper
330 100
332 95.0 77.2 115.8
141 33.3 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 60.493 ng

RT: 9.186 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

Instrument :

BNA_F

ClientSampleId :

WC-1

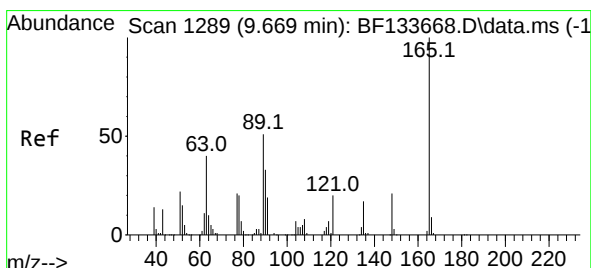
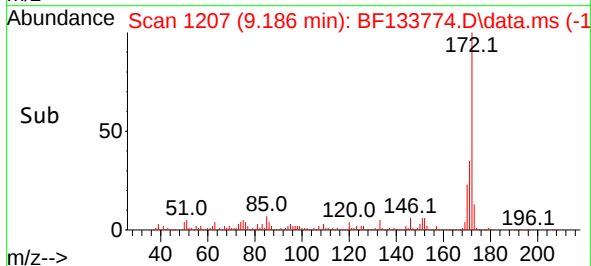
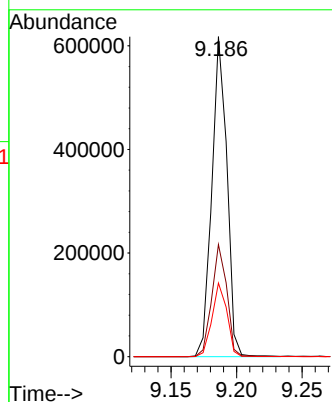
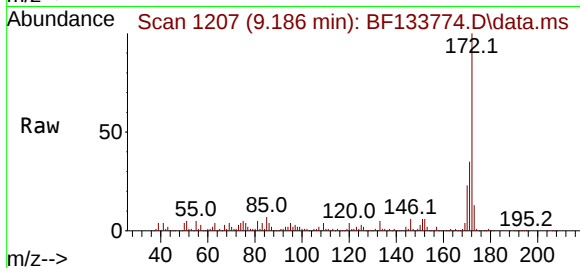
Tgt Ion:172 Resp: 494995

Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

170 23.0 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 4.882 ng

RT: 9.633 min Scan# 1283

Delta R.T. -0.030 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

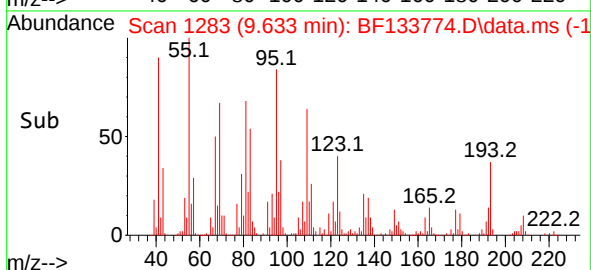
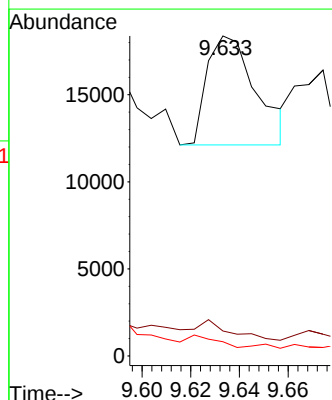
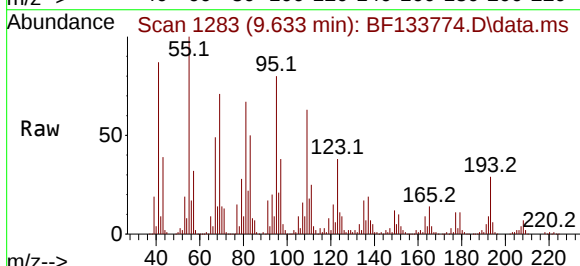
Tgt Ion:165 Resp: 8749

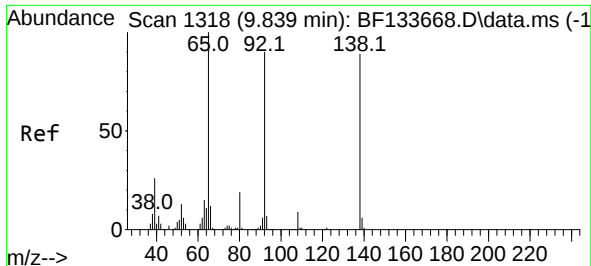
Ion Ratio Lower Upper

165 100

63 7.8 42.1 63.1#

89 4.5 40.9 61.3#

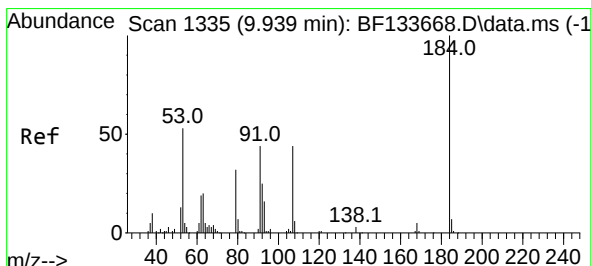
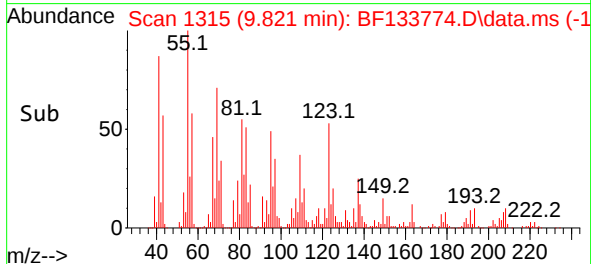
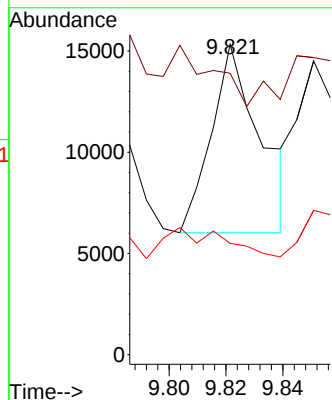
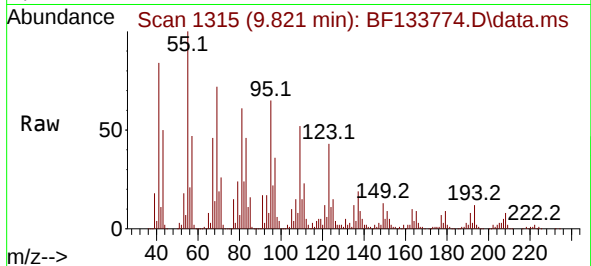




#53
3-Nitroaniline
Concen: 5.048 ng
RT: 9.821 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

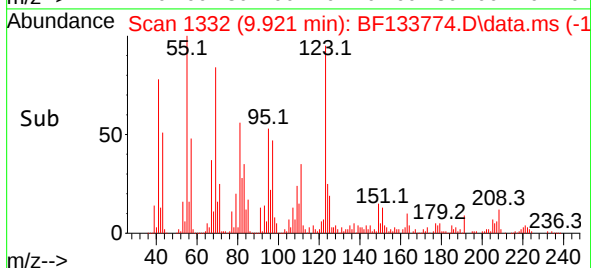
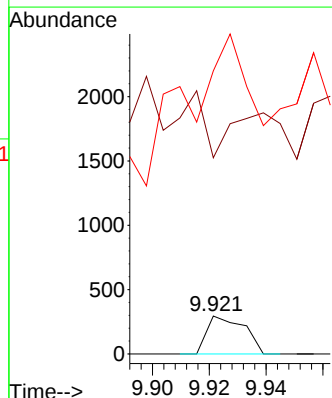
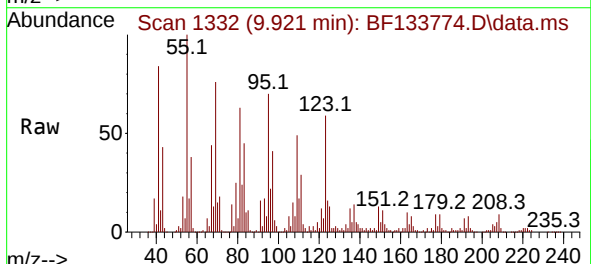
Instrument :
BNA_F
ClientSampleId :
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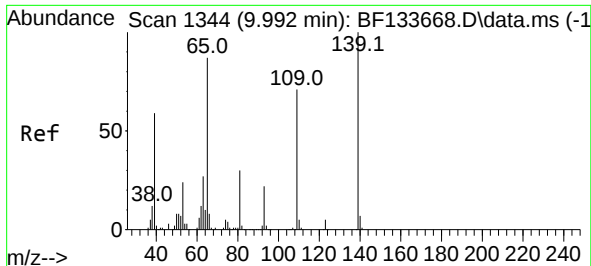
Tgt Ion:138 Resp: 11009
Ion Ratio Lower Upper
138 100
108 90.7 8.2 12.4#
92 35.9 81.0 121.6#



#54
2,4-Dinitrophenol
Concen: 6.000 ng
RT: 9.921 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

Tgt Ion:184 Resp: 267
Ion Ratio Lower Upper
184 100
63 516.9 55.3 82.9#
154 745.8 51.9 77.9#

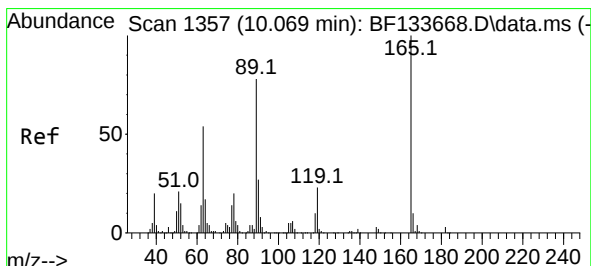
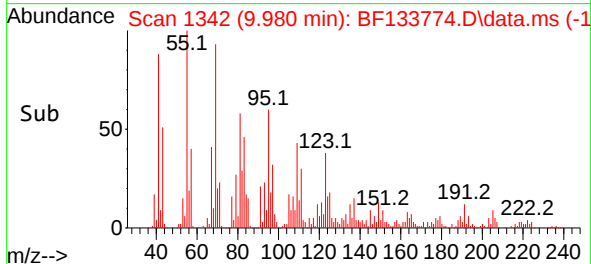
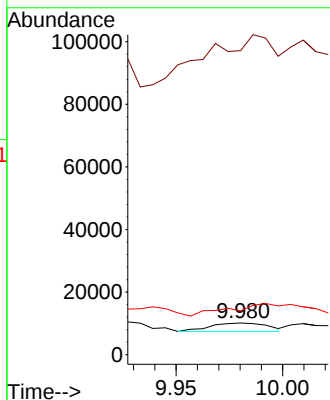
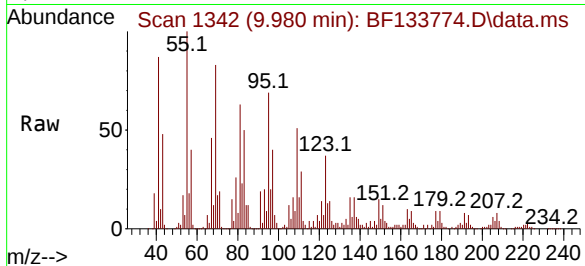




#56
4-Nitrophenol
Concen: 3.472 ng
RT: 9.980 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

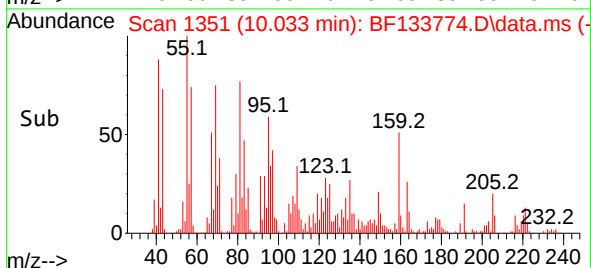
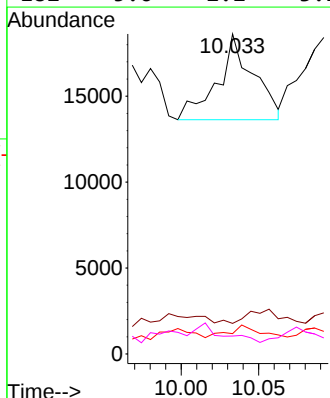
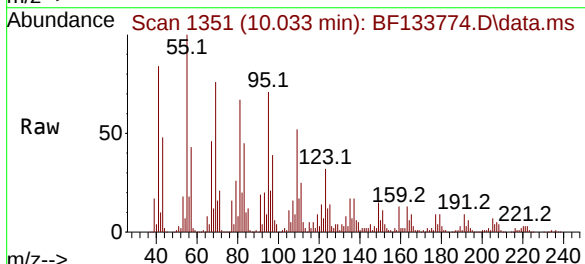
Instrument :
BNA_F
ClientSampleId :
WC-1

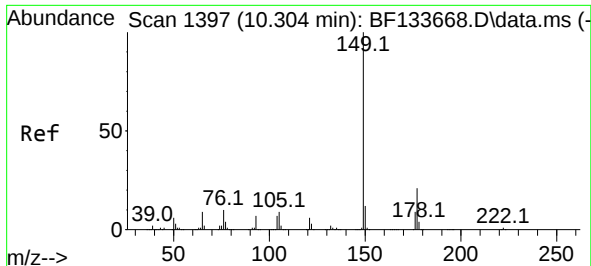
Tgt Ion:139 Resp: 5110
Ion Ratio Lower Upper
139 100
109 958.3 50.7 90.7#
65 138.1 67.1 107.1#



#57
2,4-Dinitrotoluene
Concen: 3.511 ng
RT: 10.033 min Scan# 1351
Delta R.T. -0.030 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

Tgt Ion:165 Resp: 8003
Ion Ratio Lower Upper
165 100
63 9.6 43.0 64.6#
89 6.4 62.6 93.8#
182 5.6 2.2 3.2#

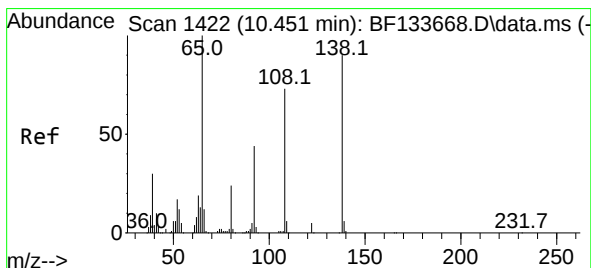
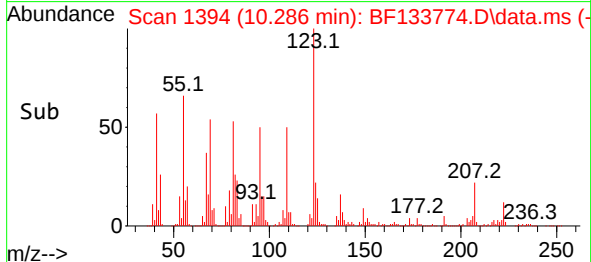
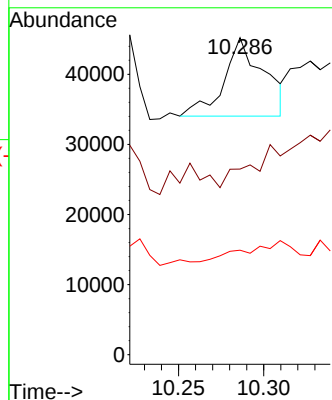
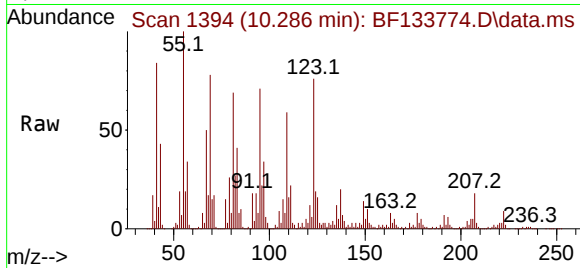




#60
Diethylphthalate
Concen: 2.038 ng
RT: 10.286 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

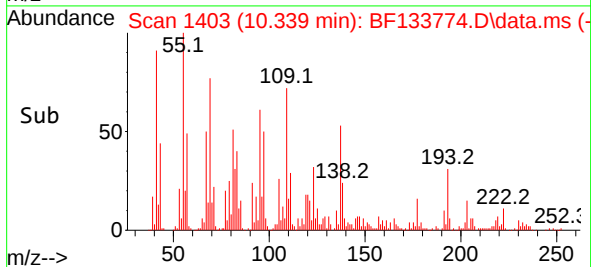
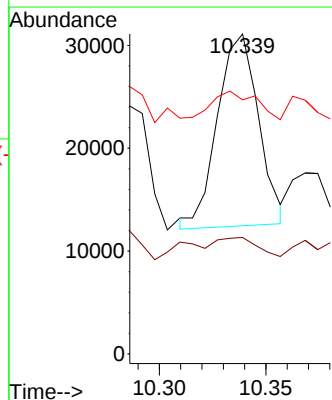
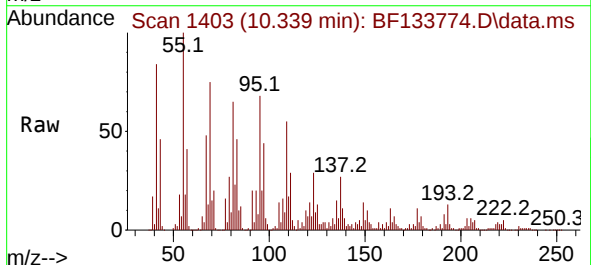
Instrument :
BNA_F
ClientSampleId :
WC-1

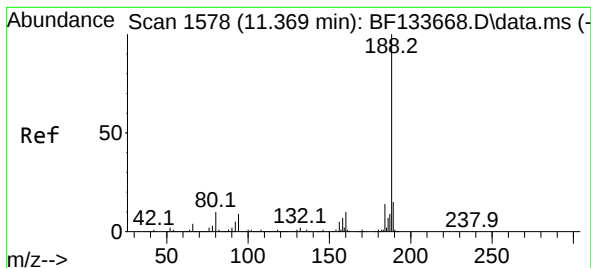
Tgt Ion:149 Resp: 18006
Ion Ratio Lower Upper
149 100
177 58.5 17.0 25.6#
150 32.9 10.0 15.0#



#62
4-Nitroaniline
Concen: 11.689 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.106 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

Tgt Ion:138 Resp: 24994
Ion Ratio Lower Upper
138 100
92 36.4 28.9 68.9
108 79.4 61.0 101.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1

Delta R.T. 0.017 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

Instrument :

BNA_F

ClientSampleId :

WC-1

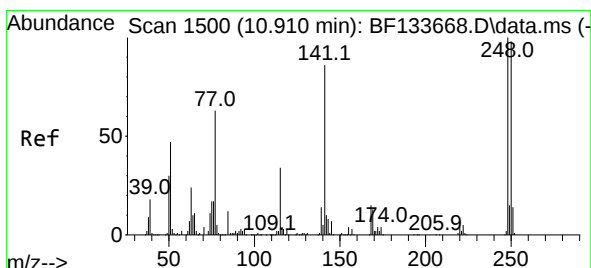
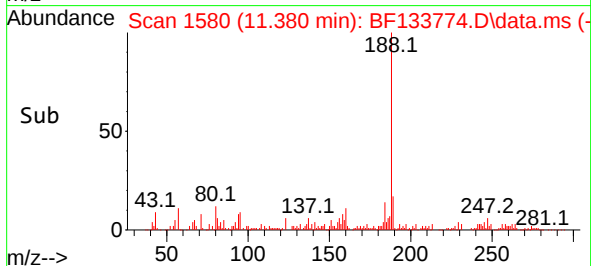
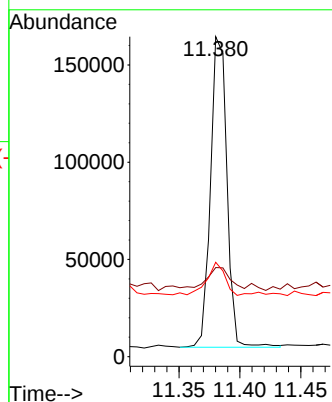
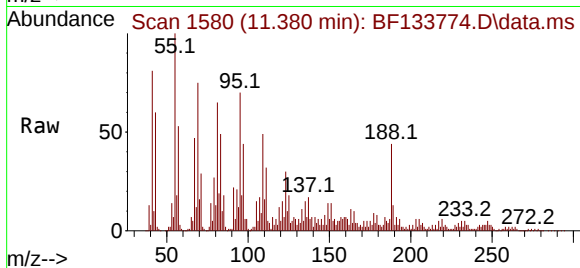
Tgt Ion:188 Resp: 149702

Ion Ratio Lower Upper

188 100

94 27.8 6.8 10.2#

80 29.5 7.8 11.6#



#67

4-Bromophenyl-phenylether

Concen: 4.131 ng

RT: 10.933 min Scan# 1504

Delta R.T. 0.029 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

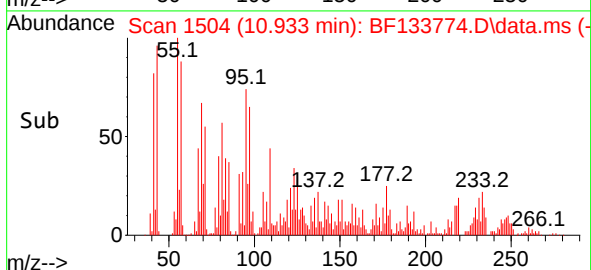
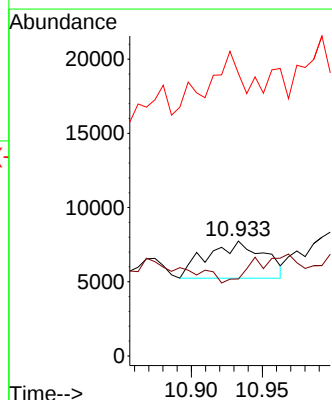
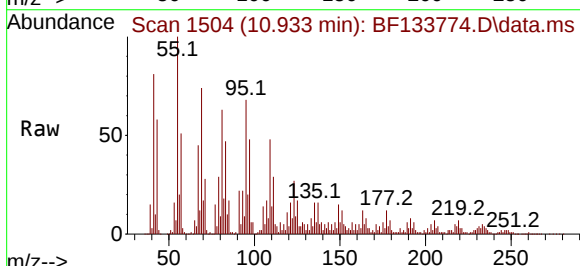
Tgt Ion:248 Resp: 6902

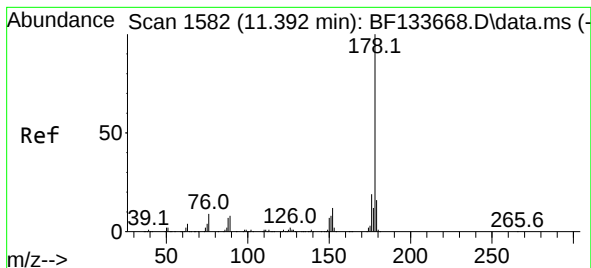
Ion Ratio Lower Upper

248 100

250 67.1 78.3 117.5#

141 246.1 69.0 103.6#





#71

Phenanthrene

Concen: 2.524 ng

RT: 11.404 min Scan# 1584

Delta R.T. 0.017 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

Instrument :

BNA_F

ClientSampleId :

WC-1

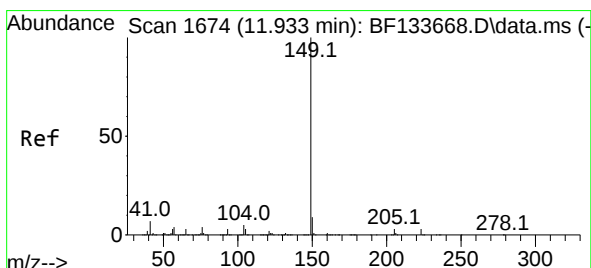
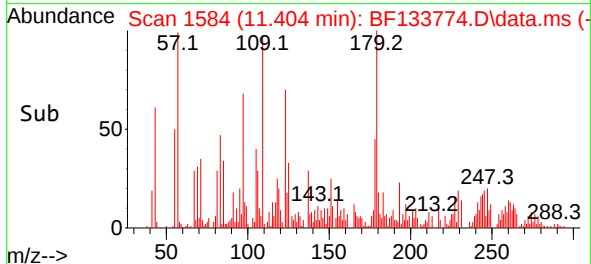
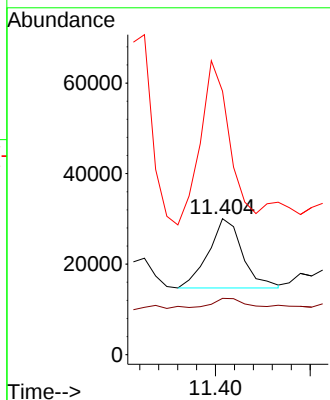
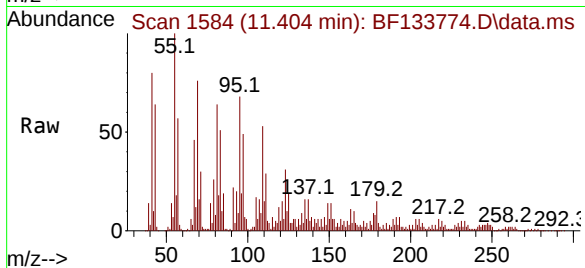
Tgt Ion:178 Resp: 19168

Ion Ratio Lower Upper

178 100

176 41.4 15.6 23.4#

179 193.9 12.4 18.6#



#74

Di-n-butylphthalate

Concen: 5.628 ng

RT: 11.939 min Scan# 1675

Delta R.T. 0.017 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

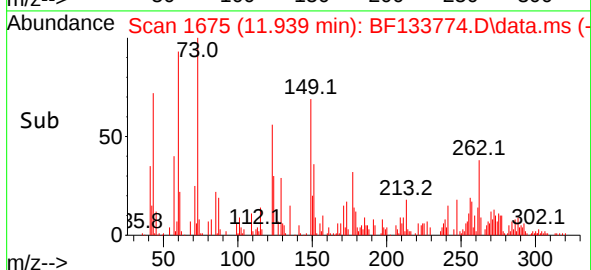
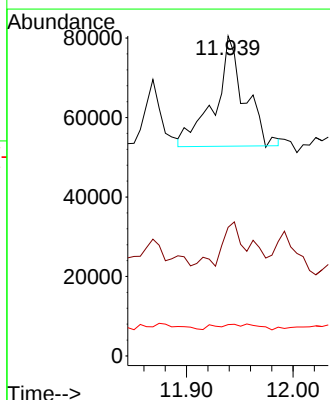
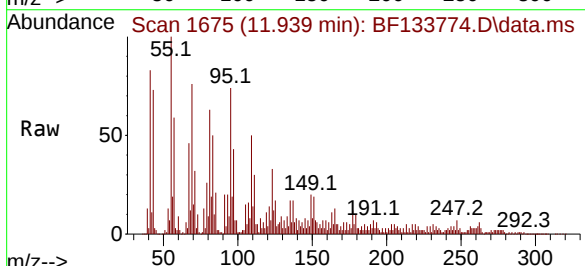
Tgt Ion:149 Resp: 53214

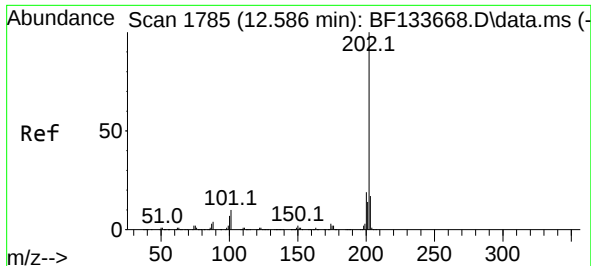
Ion Ratio Lower Upper

149 100

150 40.2 7.4 11.0#

104 9.8 3.8 5.8#

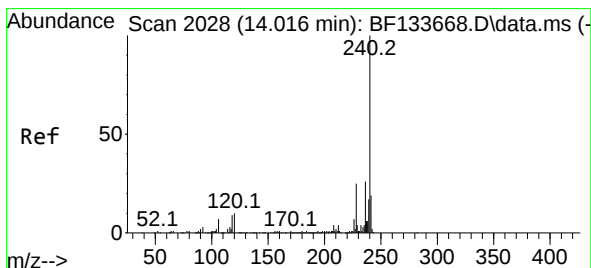
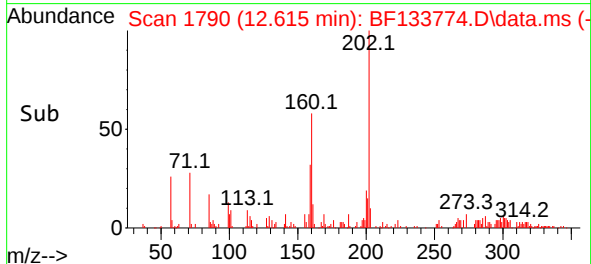
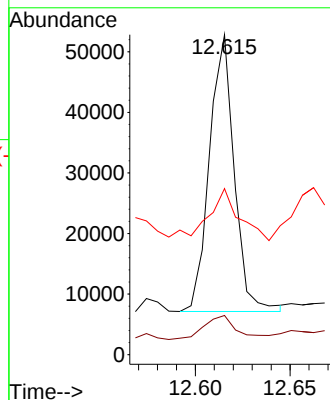
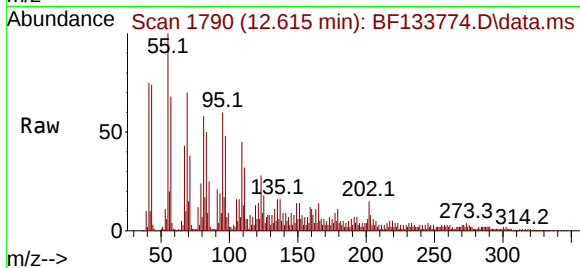




#75
Fluoranthene
Concen: 5.176 ng
RT: 12.615 min Scan# 1
Delta R.T. 0.035 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

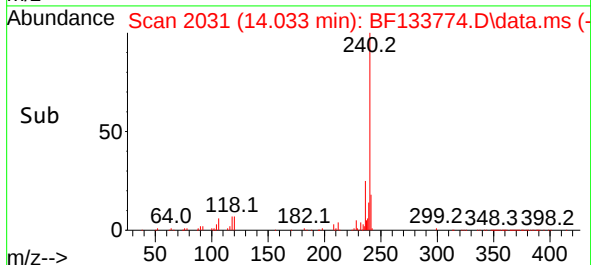
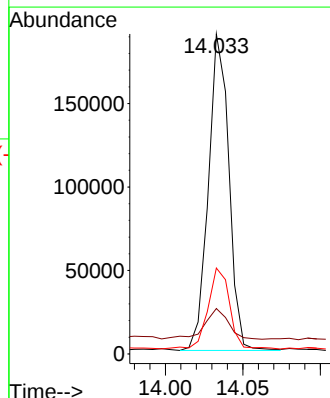
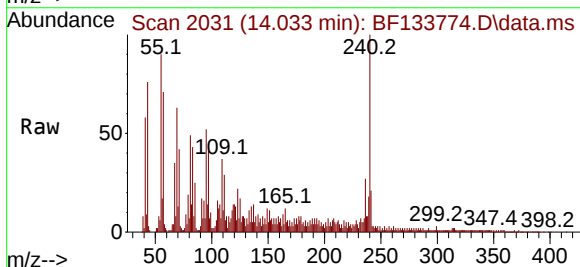
Instrument :
BNA_F
ClientSampleId :
WC-1

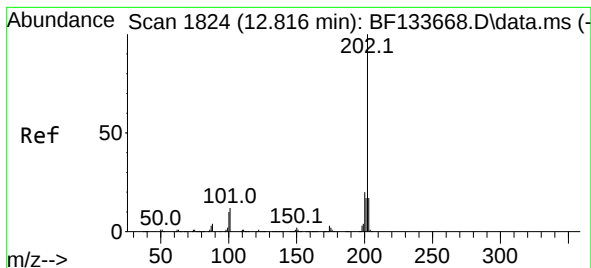
Tgt Ion:202 Resp: 41744
Ion Ratio Lower Upper
202 100
101 12.3 0.0 29.6
203 51.9 0.0 37.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.023 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

Tgt Ion:240 Resp: 174998
Ion Ratio Lower Upper
240 100
120 14.2 8.1 12.1#
236 26.9 20.5 30.7





#78

Pyrene

Concen: 2.573 ng

RT: 12.845 min Scan# 1829

Delta R.T. 0.035 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

Instrument :

BNA_F

ClientSampleId :

WC-1

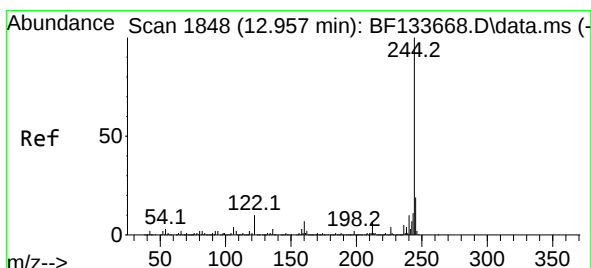
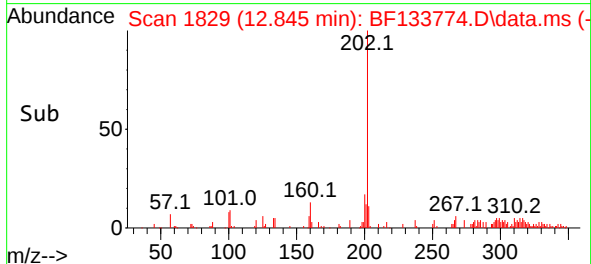
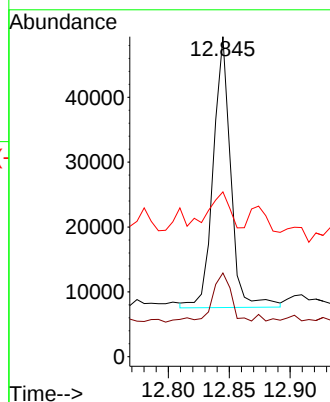
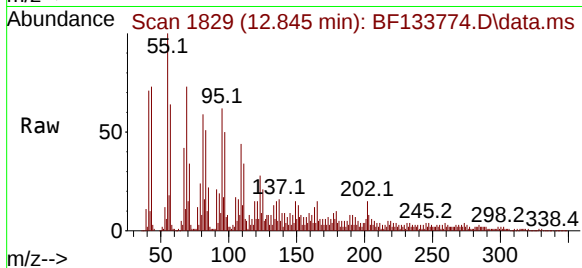
Tgt Ion:202 Resp: 41943

Ion Ratio Lower Upper

202 100

200 26.1 16.2 24.2#

203 51.5 13.9 20.9#



#79

Terphenyl-d14

Concen: 38.850 ng

RT: 12.986 min Scan# 1853

Delta R.T. 0.035 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

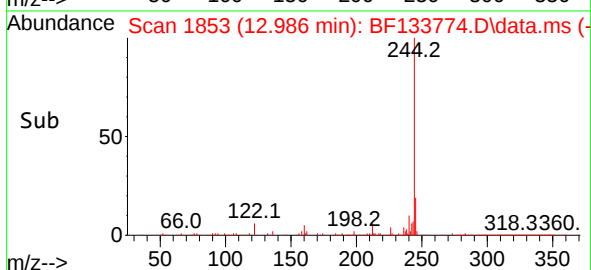
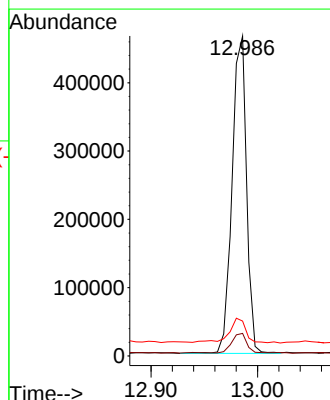
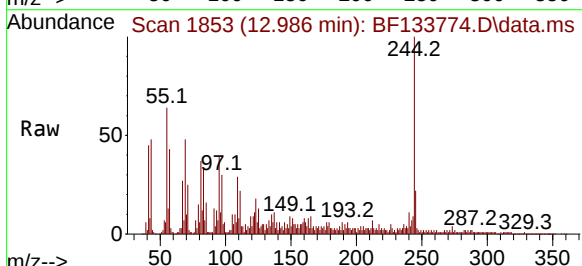
Tgt Ion:244 Resp: 439375

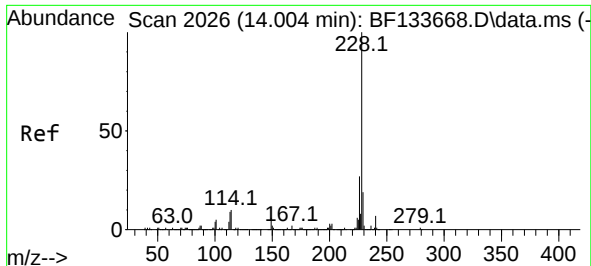
Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 10.9 8.1 12.1

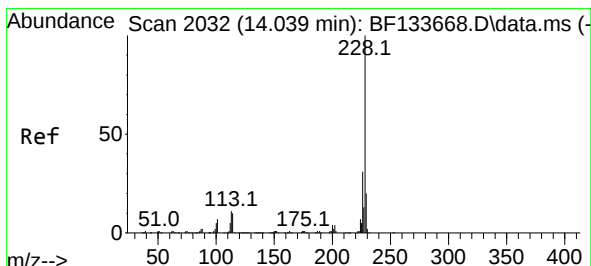
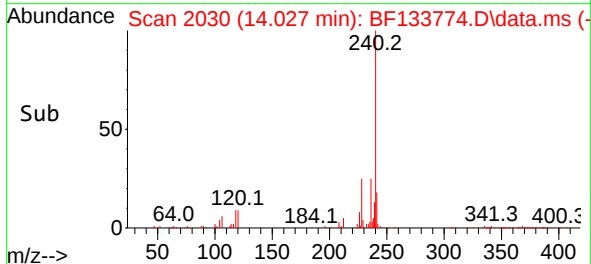
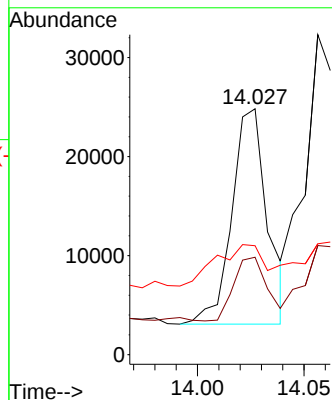
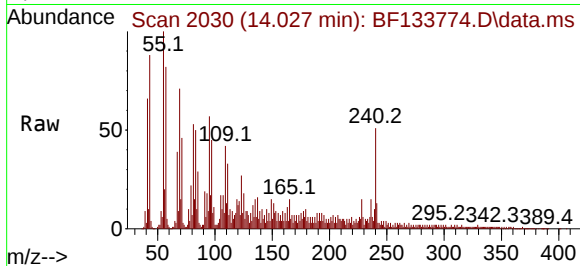




#81
Benzo(a)anthracene
Concen: 2.086 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.029 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

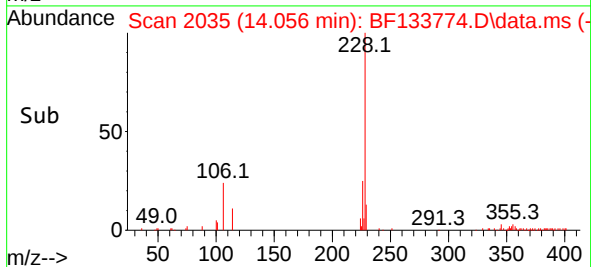
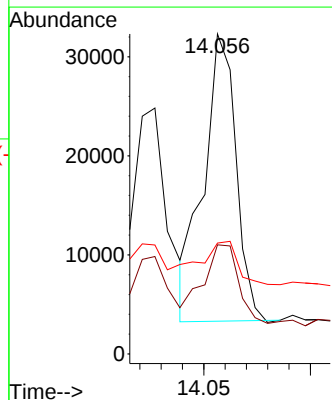
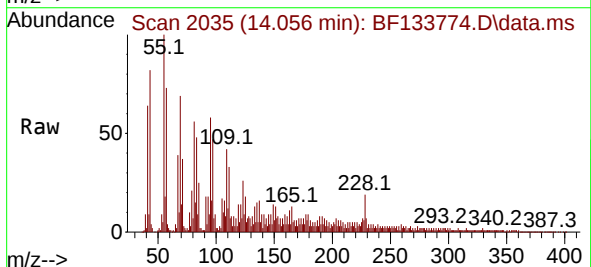
Instrument :
BNA_F
ClientSampleId :
WC-1

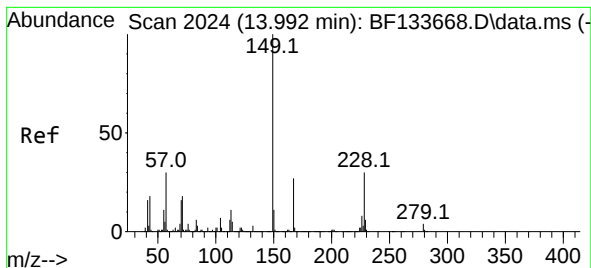
Tgt Ion:228 Resp: 25256
Ion Ratio Lower Upper
228 100
226 39.6 21.7 32.5#
229 44.3 15.4 23.2#



#83
Chrysene
Concen: 2.666 ng
RT: 14.056 min Scan# 2035
Delta R.T. 0.023 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

Tgt Ion:228 Resp: 30524
Ion Ratio Lower Upper
228 100
226 34.1 25.0 37.6
229 34.6 15.8 23.8#





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.532 ng

RT: 14.003 min Scan# 20

Delta R.T. 0.017 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

Instrument :

BNA_F

ClientSampleId :

WC-1

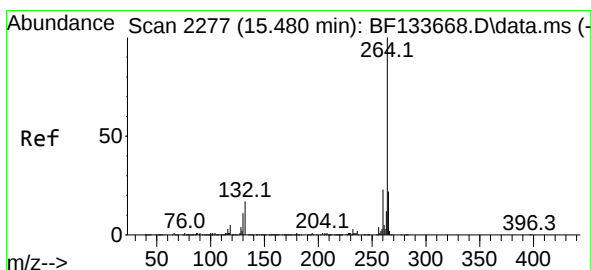
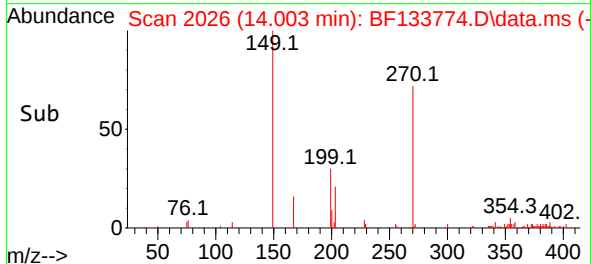
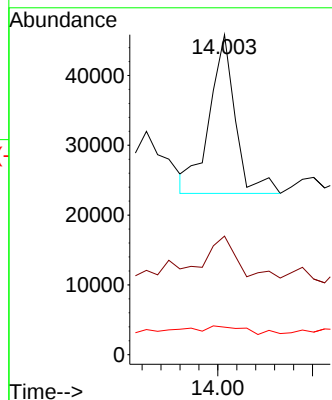
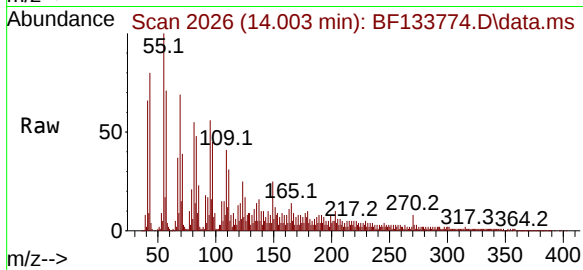
Tgt Ion:149 Resp: 21453

Ion Ratio Lower Upper

149 100

167 37.0 21.8 32.8#

279 8.6 3.3 4.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2277

Delta R.T. 0.012 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

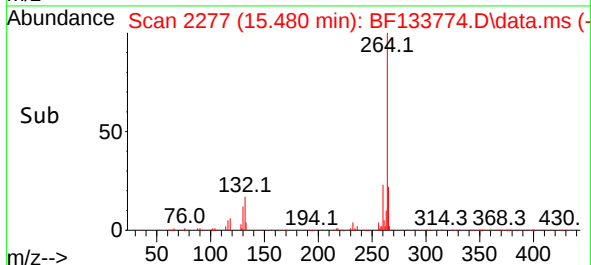
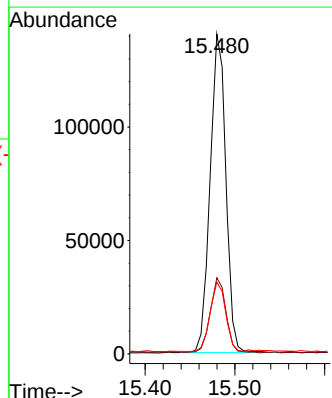
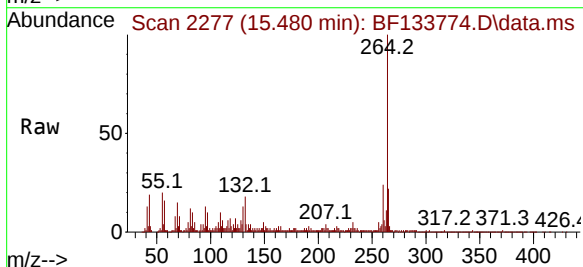
Tgt Ion:264 Resp: 170800

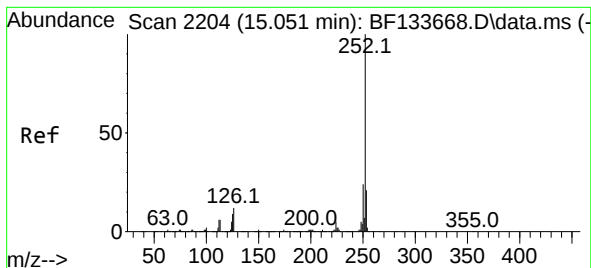
Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.2

265 22.4 17.8 26.6





#88

Benzo(b)fluoranthene

Concen: 6.413 ng

RT: 15.056 min Scan# 2205

Delta R.T. 0.012 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

Instrument :

BNA_F

ClientSampleId :

WC-1

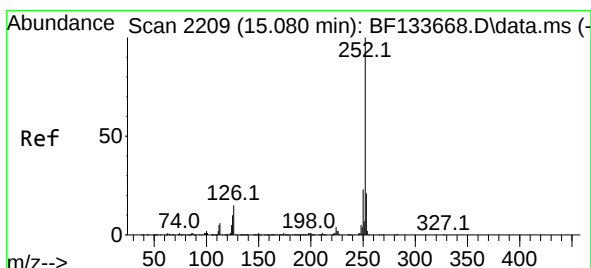
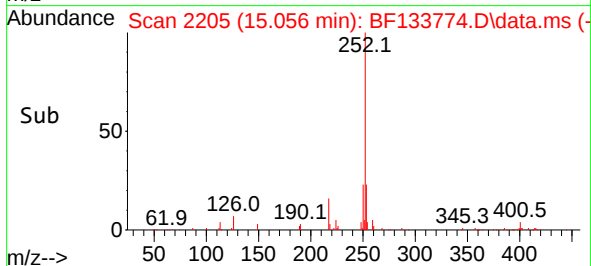
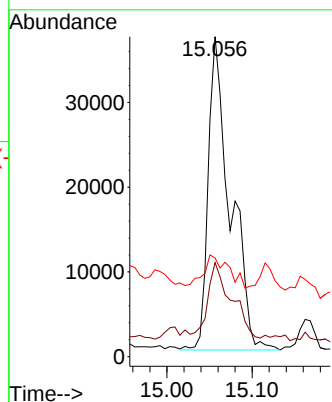
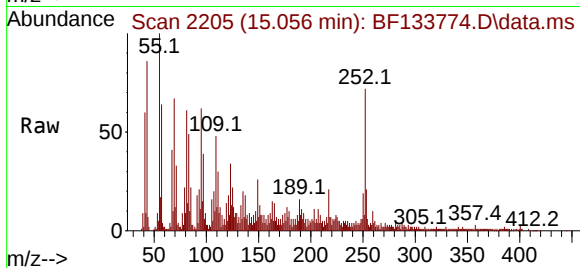
Tgt Ion:252 Resp: 66534

Ion Ratio Lower Upper

252 100

253 29.4 17.0 25.6#

125 30.8 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 6.583 ng

RT: 15.056 min Scan# 2205

Delta R.T. -0.018 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

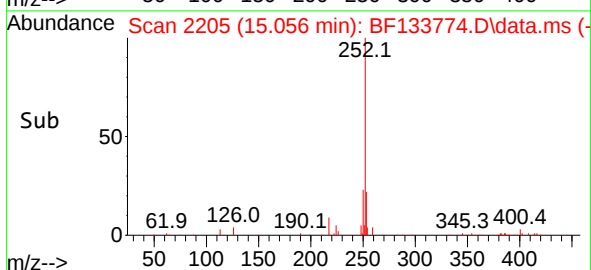
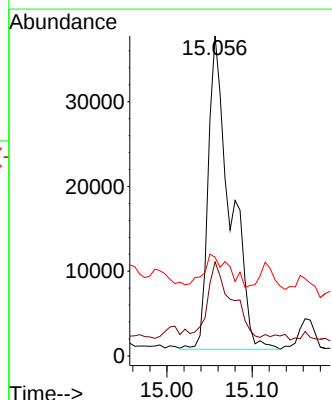
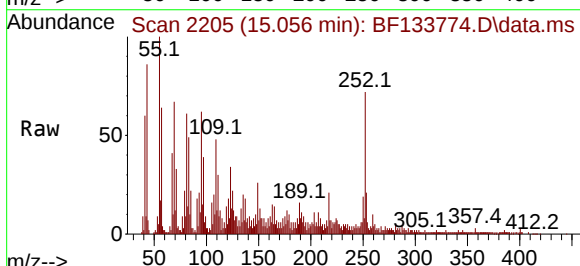
Tgt Ion:252 Resp: 66534

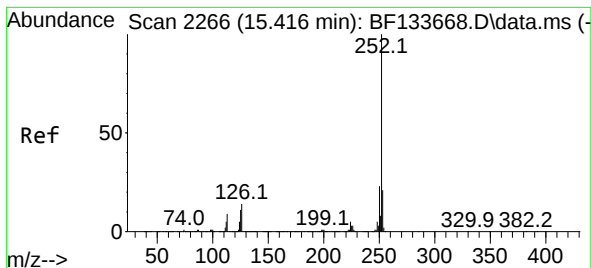
Ion Ratio Lower Upper

252 100

253 29.4 17.0 25.4#

125 30.8 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 2.830 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

Instrument :

BNA_F

ClientSampleId :

WC-1

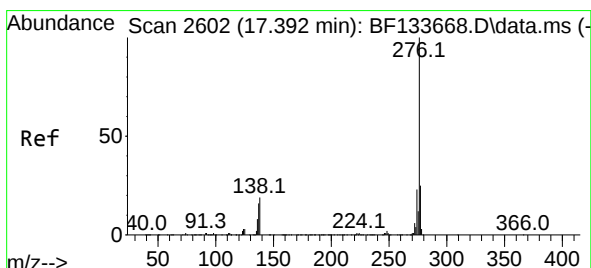
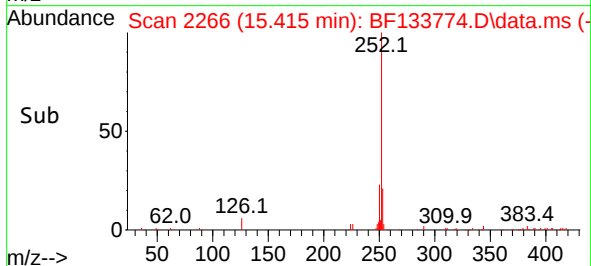
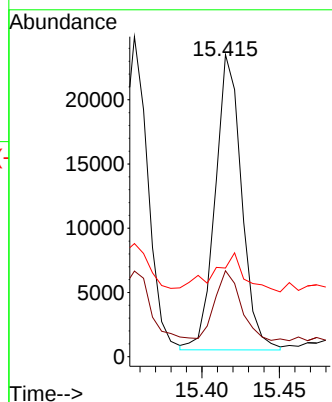
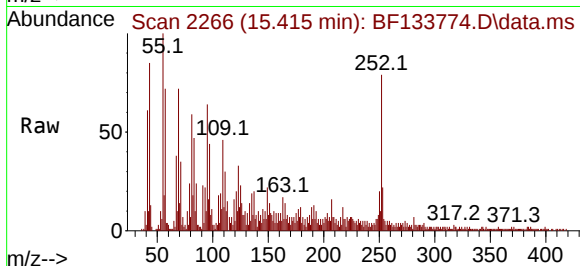
Tgt Ion:252 Resp: 27253

Ion Ratio Lower Upper

252 100

253 28.5 17.1 25.7#

125 29.3 8.6 13.0#



#92

Benzo(g,h,i)perylene

Concen: 2.304 ng

RT: 17.362 min Scan# 2597

Delta R.T. -0.018 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

Tgt Ion:276 Resp: 22222

Ion Ratio Lower Upper

276 100

277 26.6 19.8 29.8

138 26.1 15.0 22.4#

