

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061323\
 Data File : BF133731.D
 Acq On : 13 Jun 2023 15:16
 Operator : CG\JU
 Sample : 03094-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jun 13 15:41:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 13 11:26:55 2023
 Response via : Initial Calibration

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

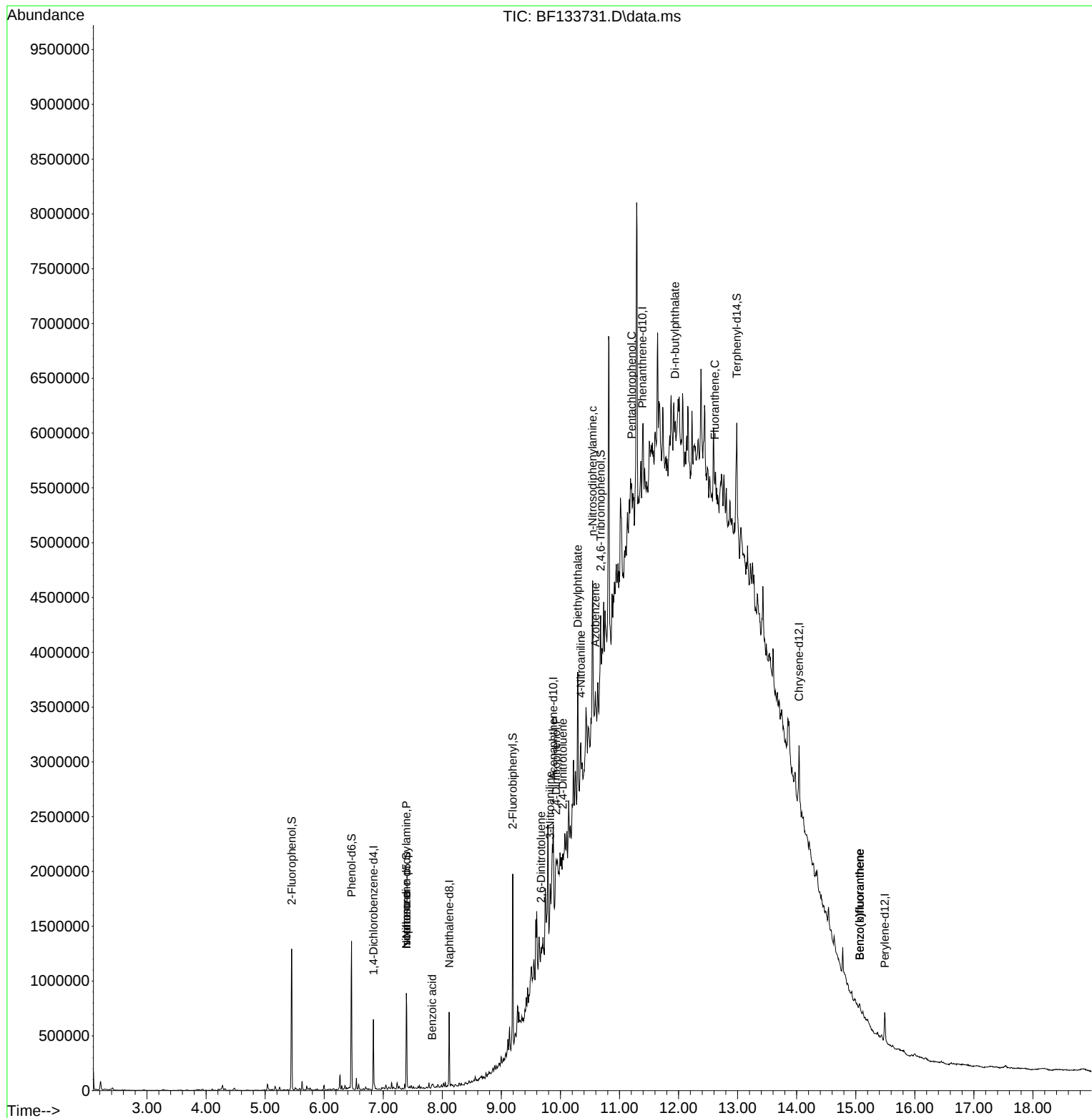
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	75747	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	247386	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	98185	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	164404	20.000	ng	# 0.02
76) Chrysene-d12	14.039	240	158197	20.000	ng	# 0.02
86) Perylene-d12	15.492	264	114917	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	334894	76.969	ng	0.00
7) Phenol-d6	6.463	99	368346	65.038	ng	0.00
23) Nitrobenzene-d5	7.392	82	237878	52.373	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	87657	70.529	ng	0.01
45) 2-Fluorobiphenyl	9.192	172	391576	56.692	ng	0.00
79) Terphenyl-d14	12.986	244	446770	43.699	ng	0.03
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	35249	9.782	ng	# 80
25) Isophorone	7.392	82	234768	28.155	ng	# 65
32) Benzoic acid	7.828	122	7686	3.445	ng	95
51) 2,6-Dinitrotoluene	9.675	165	4065	2.687	ng	# 35
53) 3-Nitroaniline	9.827	138	6206	3.371	ng	# 25
54) 2,4-Dinitrophenol	9.927	184	181	5.944	ng	# 1
57) 2,4-Dinitrotoluene	10.039	165	5044	2.622	ng	# 29
60) Diethylphthalate	10.292	149	16420	2.201	ng	# 39
62) 4-Nitroaniline	10.345	138	16331	9.048	ng	88
63) Azobenzene	10.592	77	17962	2.544	ng	# 53
66) n-Nitrosodiphenylamine	10.545	169	11581	2.097	ng	# 72
70) Pentachlorophenol	11.204	266	2949	2.552	ng	# 4
74) Di-n-butylphthalate	11.939	149	28837	2.777	ng	# 36
75) Fluoranthene	12.616	202	20921	2.362	ng	# 40
88) Benzo(b)fluoranthene	15.068	252	20380	2.919	ng	# 45
89) Benzo(k)fluoranthene	15.068	252	20380	2.997	ng	# 45

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

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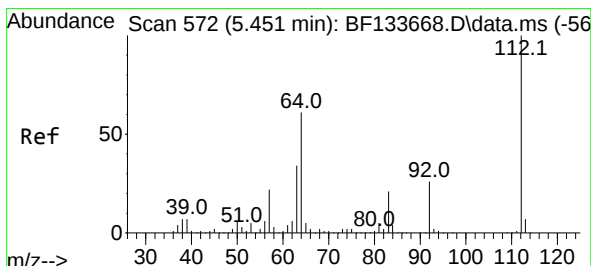
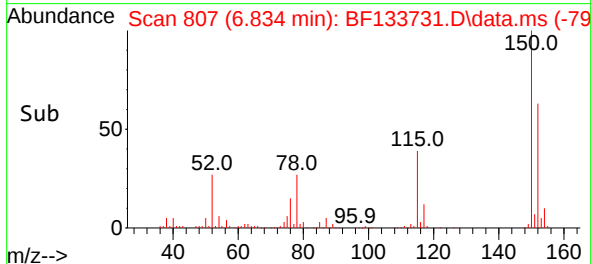
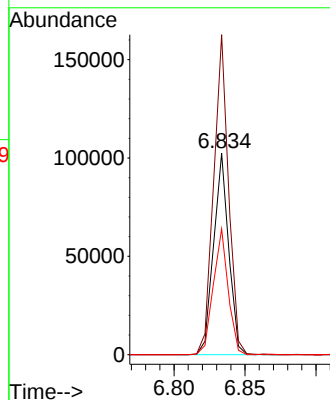
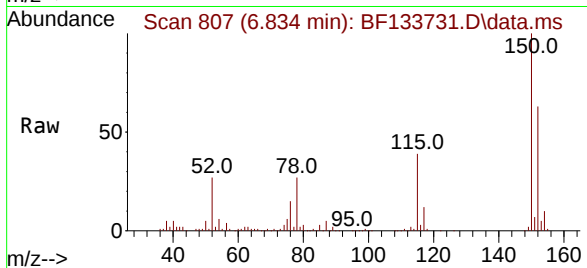




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133731.D
Acq: 13 Jun 2023 15:16

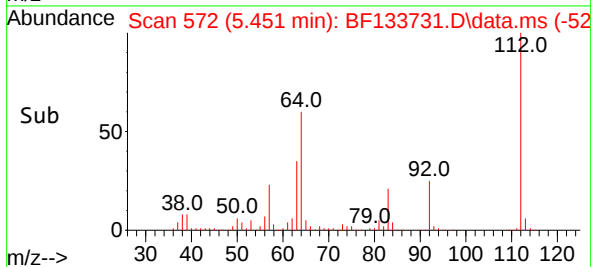
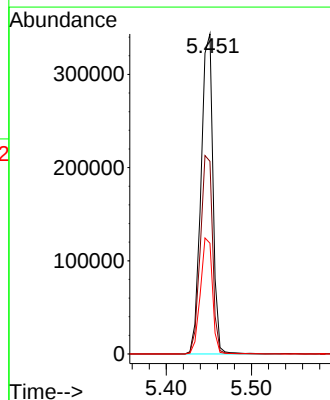
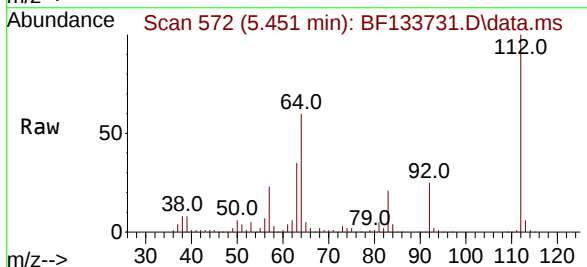
Instrument :
BNA_F
ClientSampleId :
WC-1

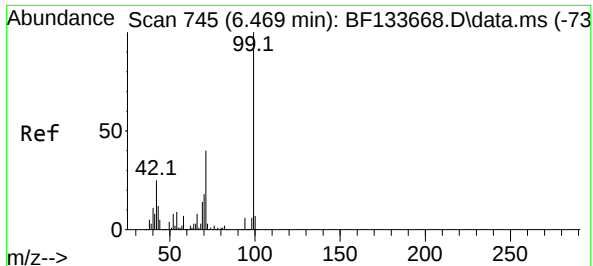
Tgt Ion:152 Resp: 75747
Ion Ratio Lower Upper
152 100
150 158.7 124.3 186.5
115 62.4 48.5 72.7



#5
2-Fluorophenol
Concen: 76.969 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF133731.D
Acq: 13 Jun 2023 15:16

Tgt Ion:112 Resp: 334894
Ion Ratio Lower Upper
112 100
64 60.2 49.0 73.4
63 34.6 26.8 40.2

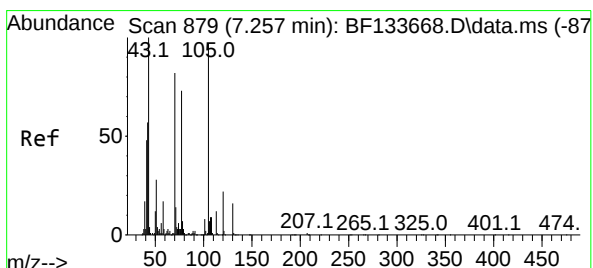
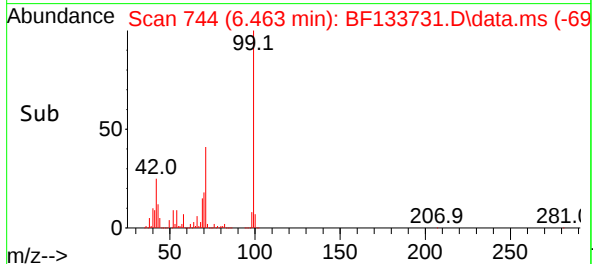
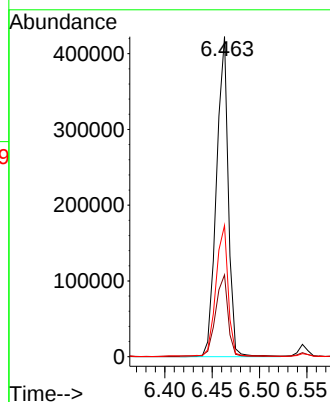
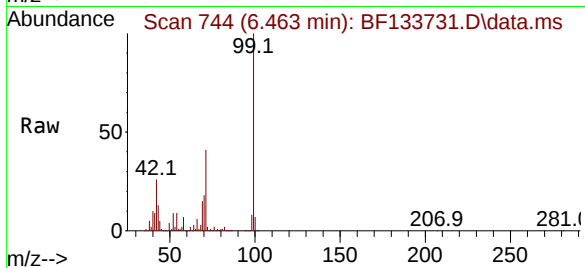




#7
Phenol-d6
Concen: 65.038 ng
RT: 6.463 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133731.D
Acq: 13 Jun 2023 15:16

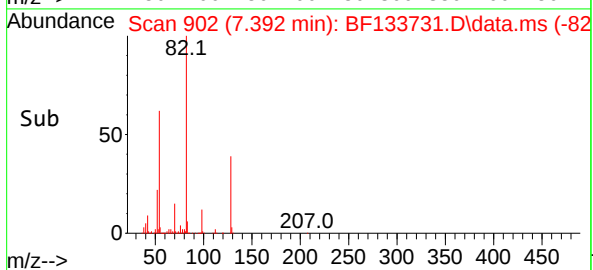
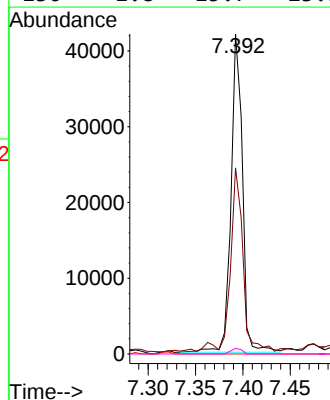
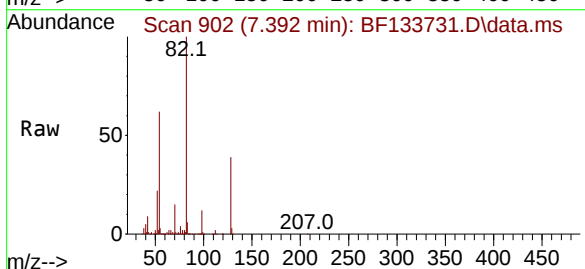
Instrument :
BNA_F
ClientSampleId :
WC-1

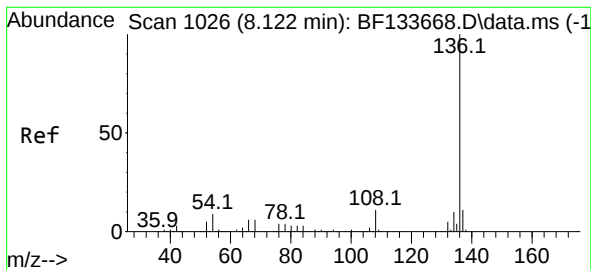
Tgt Ion: 99 Resp: 368346
Ion Ratio Lower Upper
99 100
42 25.6 19.9 29.9
71 41.0 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.782 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF133731.D
Acq: 13 Jun 2023 15:16

Tgt Ion: 70 Resp: 35249
Ion Ratio Lower Upper
70 100
42 58.2 55.8 83.8
101 0.0 8.1 12.1#
130 1.8 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133731.D

Acq: 13 Jun 2023 15:16

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:136 Resp: 247386

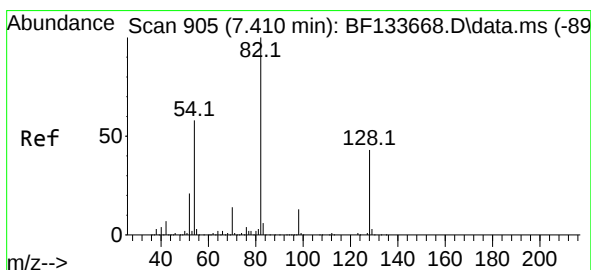
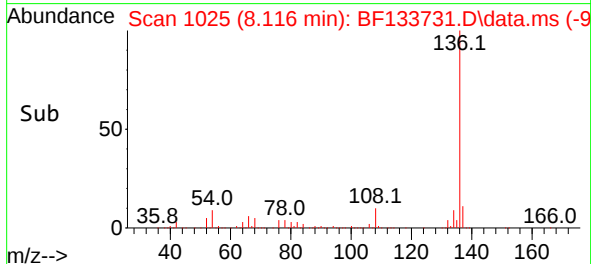
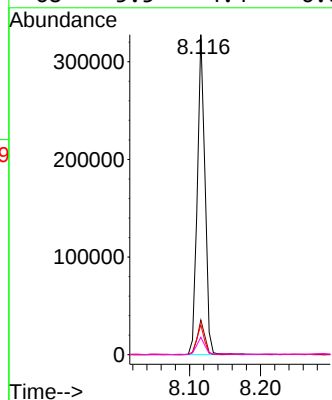
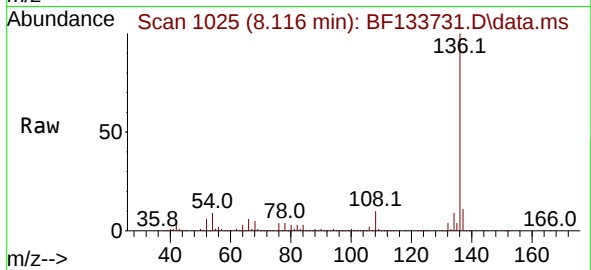
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.3 7.4 11.0

68 5.5 4.4 6.6



#23

Nitrobenzene-d5

Concen: 52.373 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133731.D

Acq: 13 Jun 2023 15:16

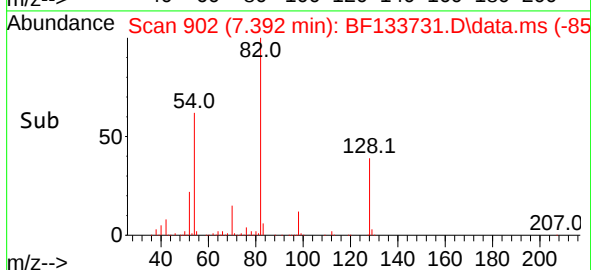
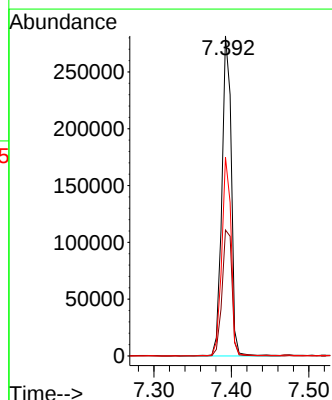
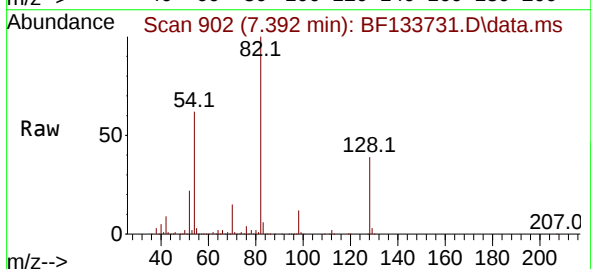
Tgt Ion: 82 Resp: 237878

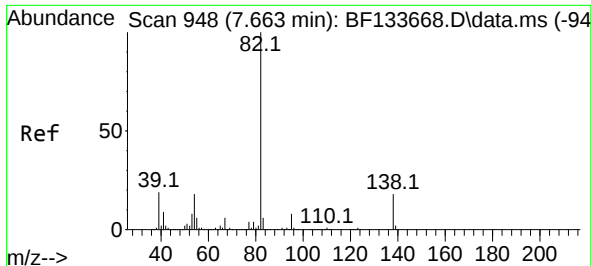
Ion Ratio Lower Upper

82 100

128 39.4 34.2 51.2

54 62.1 46.5 69.7

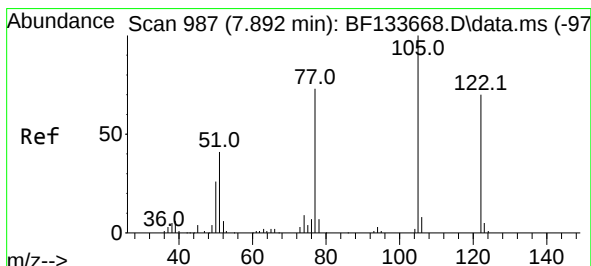
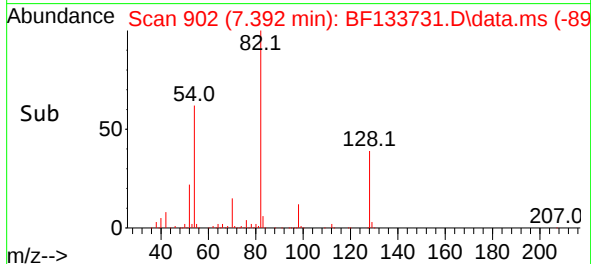
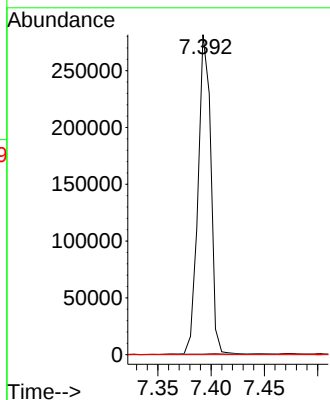
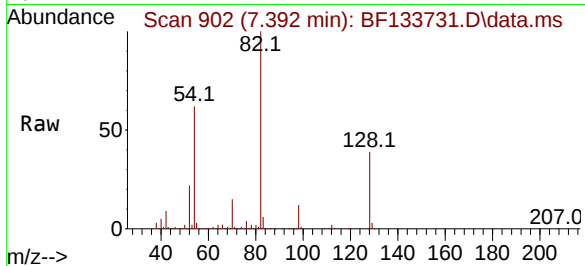




#25
Isophorone
Concen: 28.155 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133731.D
Acq: 13 Jun 2023 15:16

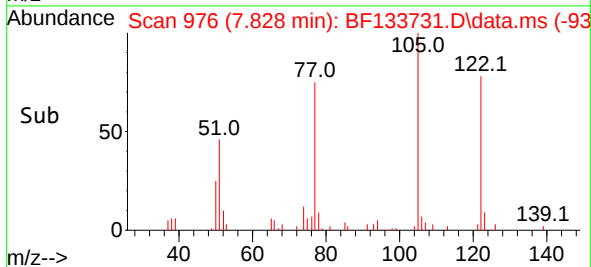
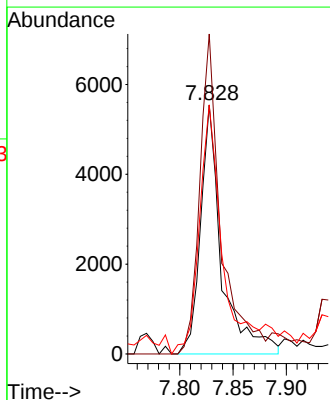
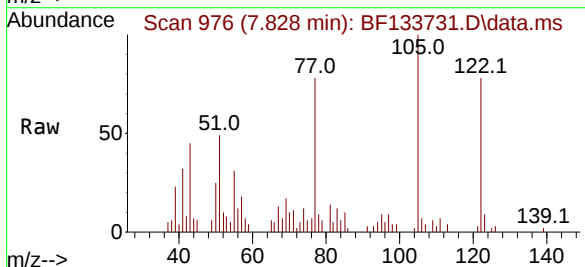
Instrument :
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ClientSampleId :
WC-1

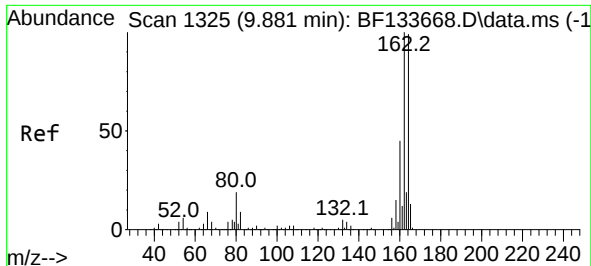
Tgt Ion: 82 Resp: 234768
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.2 21.2#



#32
Benzoic acid
Concen: 3.445 ng
RT: 7.828 min Scan# 976
Delta R.T. -0.065 min
Lab File: BF133731.D
Acq: 13 Jun 2023 15:16

Tgt Ion:122 Resp: 7686
Ion Ratio Lower Upper
122 100
105 128.6 116.3 156.3
77 100.1 82.4 122.4

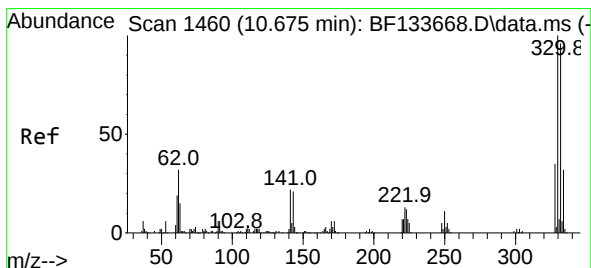
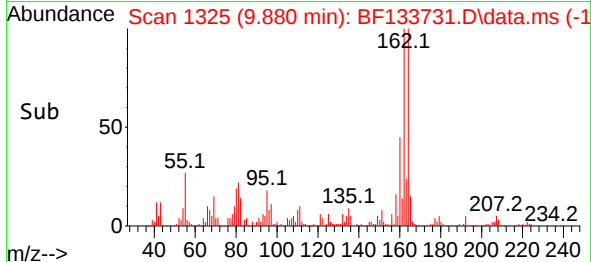
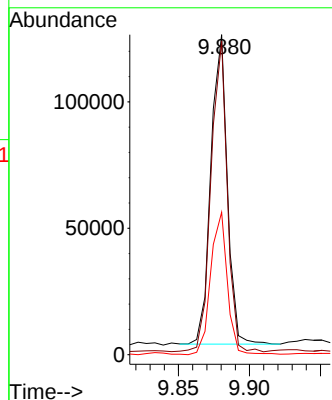
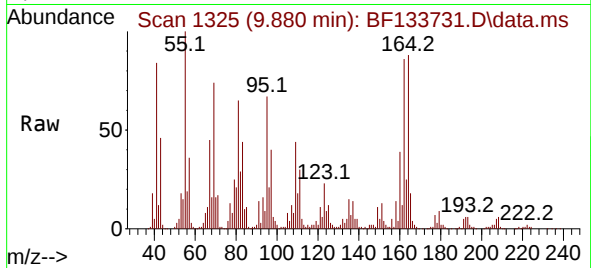




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133731.D
Acq: 13 Jun 2023 15:16

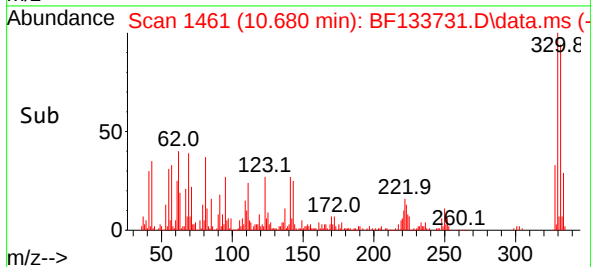
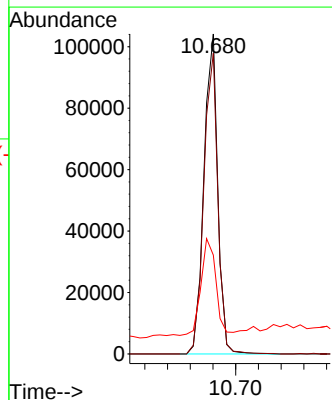
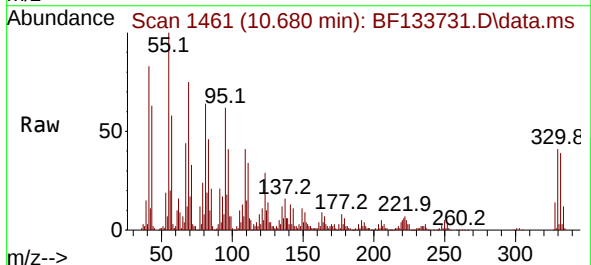
Instrument :
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ClientSampleId :
WC-1

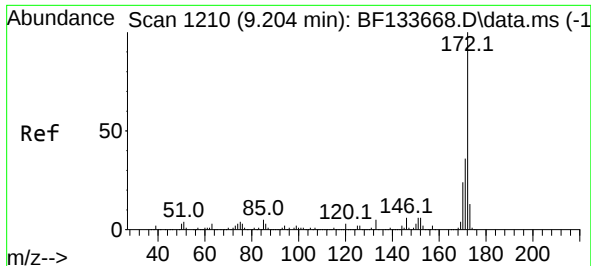
Tgt Ion:164 Resp: 98185
Ion Ratio Lower Upper
164 100
162 98.0 80.8 121.2
160 44.5 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 70.529 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.012 min
Lab File: BF133731.D
Acq: 13 Jun 2023 15:16

Tgt Ion:330 Resp: 87657
Ion Ratio Lower Upper
330 100
332 95.8 77.2 115.8
141 32.7 24.9 37.3

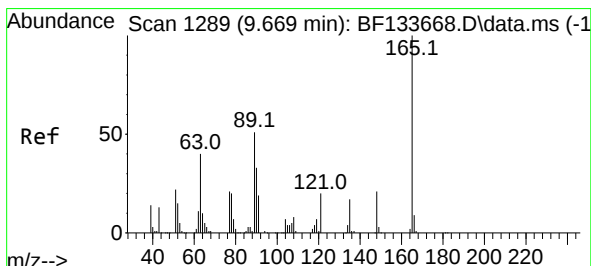
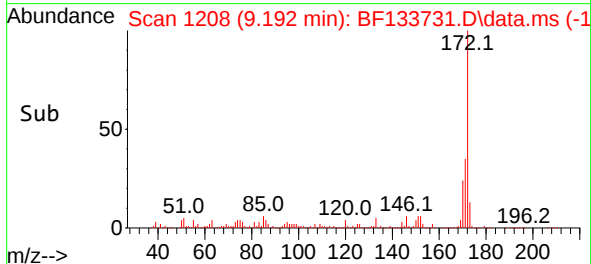
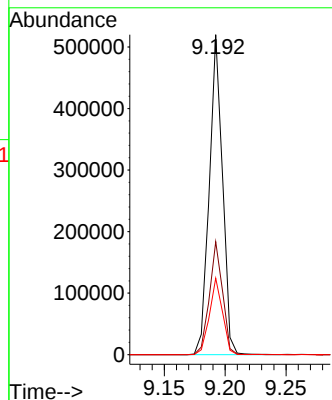
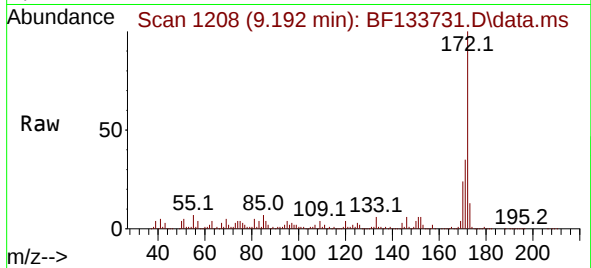




#45
2-Fluorobiphenyl
Concen: 56.692 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133731.D
Acq: 13 Jun 2023 15:16

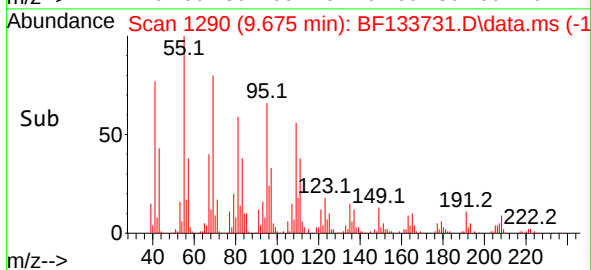
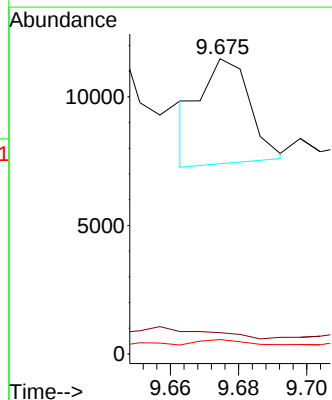
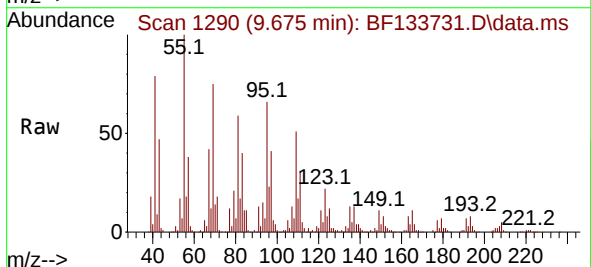
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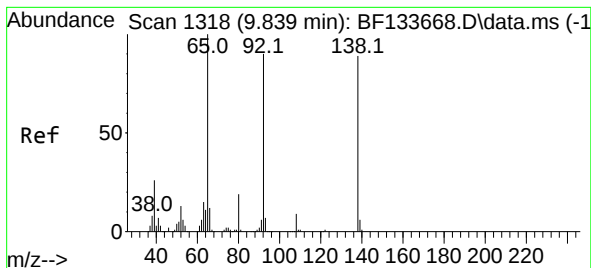
Tgt Ion:172 Resp: 391576
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.9 19.1 28.7



#51
2,6-Dinitrotoluene
Concen: 2.687 ng
RT: 9.675 min Scan# 1290
Delta R.T. 0.012 min
Lab File: BF133731.D
Acq: 13 Jun 2023 15:16

Tgt Ion:165 Resp: 4065
Ion Ratio Lower Upper
165 100
63 7.2 42.1 63.1#
89 4.9 40.9 61.3#





#53

3-Nitroaniline

Concen: 3.371 ng

RT: 9.827 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133731.D

Acq: 13 Jun 2023 15:16

Instrument :

BNA_F

ClientSampleId :

WC-1

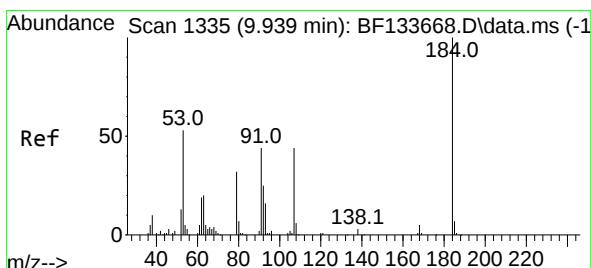
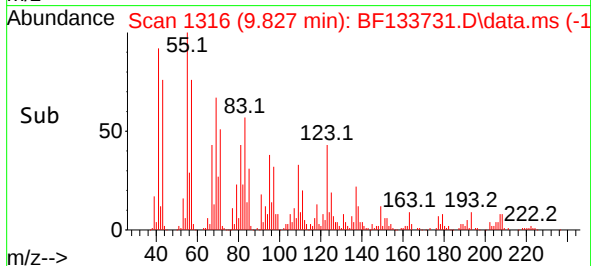
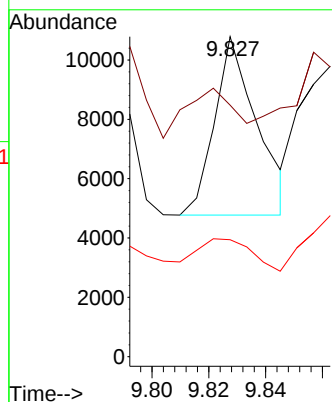
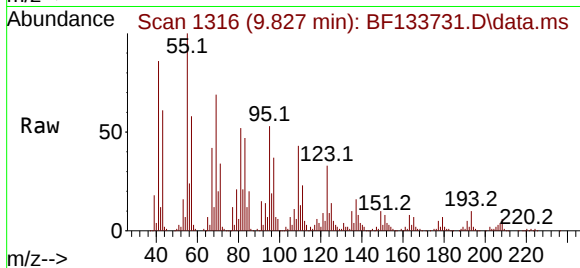
Tgt Ion:138 Resp: 6206

Ion Ratio Lower Upper

138 100

108 78.6 8.2 12.4#

92 36.5 81.0 121.6#



#54

2,4-Dinitrophenol

Concen: 5.944 ng

RT: 9.927 min Scan# 1333

Delta R.T. -0.012 min

Lab File: BF133731.D

Acq: 13 Jun 2023 15:16

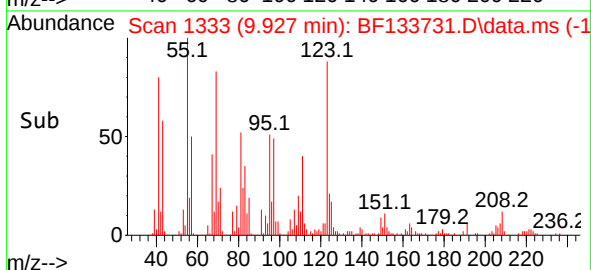
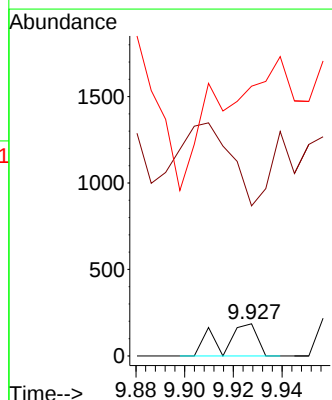
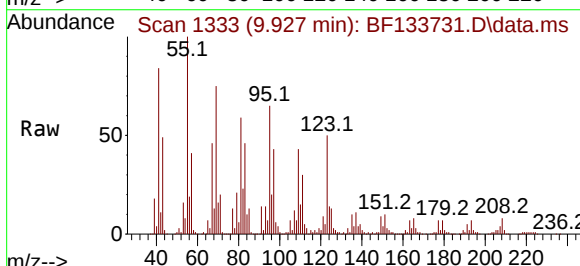
Tgt Ion:184 Resp: 181

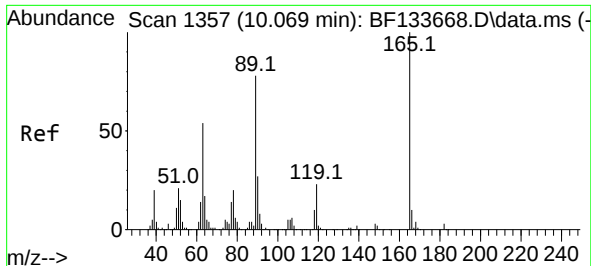
Ion Ratio Lower Upper

184 100

63 466.7 55.3 82.9#

154 838.7 51.9 77.9#

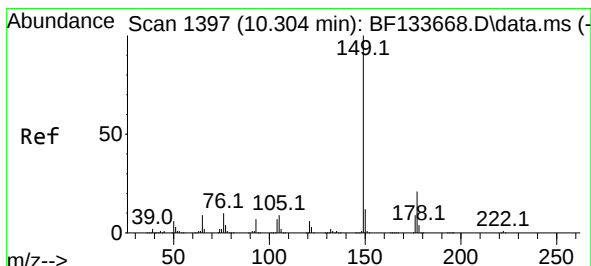
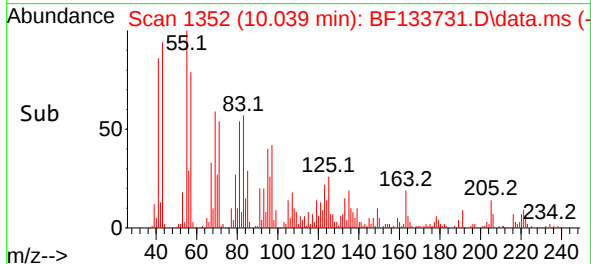
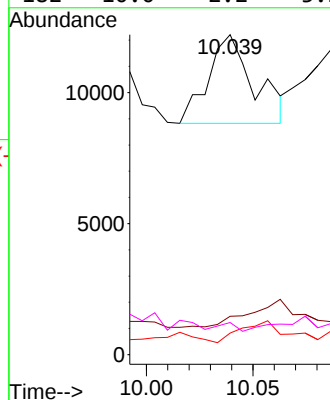
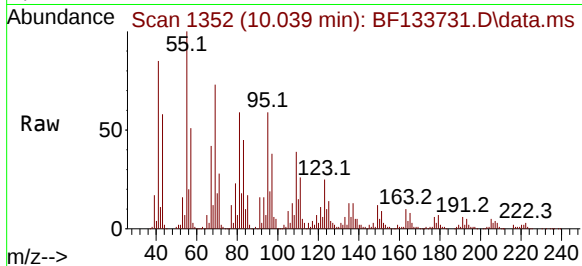




#57
2,4-Dinitrotoluene
Concen: 2.622 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.029 min
Lab File: BF133731.D
Acq: 13 Jun 2023 15:16

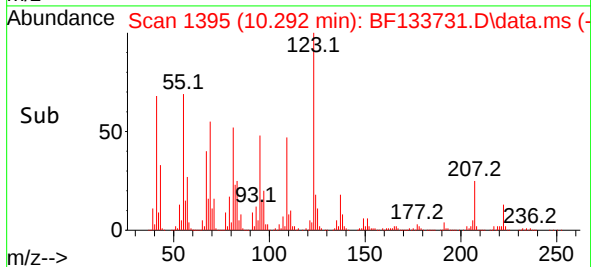
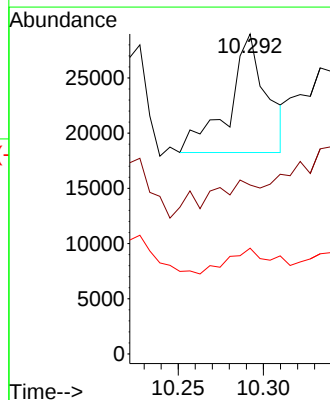
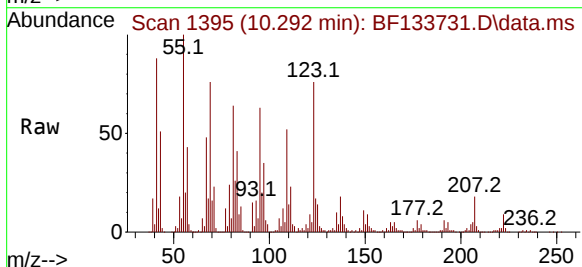
Instrument :
BNA_F
ClientSampleId :
WC-1

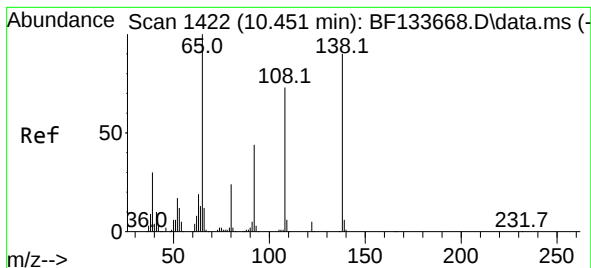
Tgt Ion:165 Resp: 5044
Ion Ratio Lower Upper
165 100
63 12.0 43.0 64.6#
89 6.7 62.6 93.8#
182 10.0 2.2 3.2#



#60
Diethylphthalate
Concen: 2.201 ng
RT: 10.292 min Scan# 1395
Delta R.T. -0.006 min
Lab File: BF133731.D
Acq: 13 Jun 2023 15:16

Tgt Ion:149 Resp: 16420
Ion Ratio Lower Upper
149 100
177 52.8 17.0 25.6#
150 33.0 10.0 15.0#

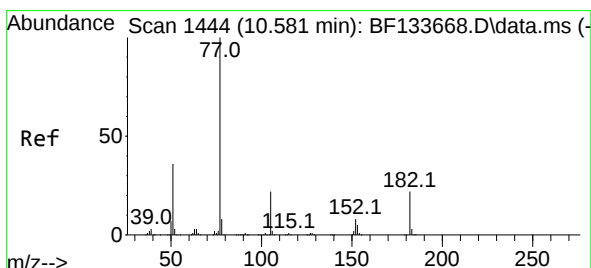
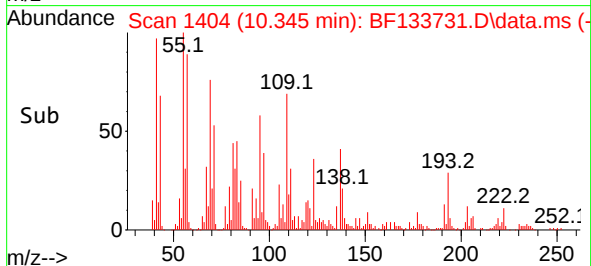
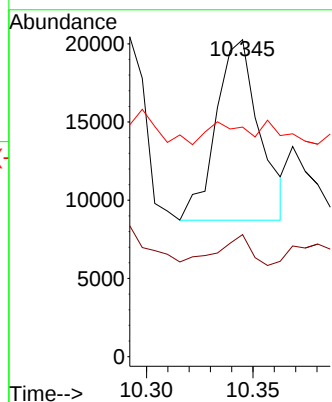
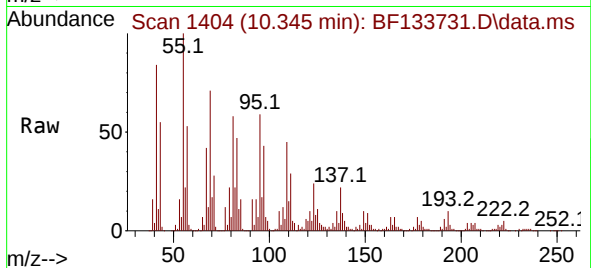




#62
4-Nitroaniline
Concen: 9.048 ng
RT: 10.345 min Scan# 1422
Delta R.T. -0.106 min
Lab File: BF133731.D
Acq: 13 Jun 2023 15:16

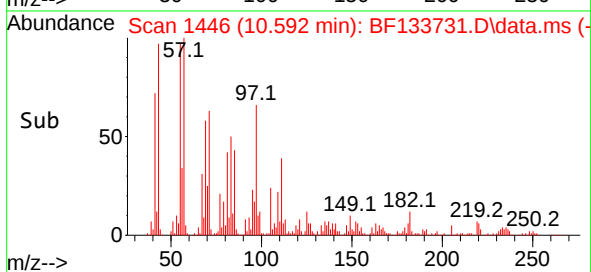
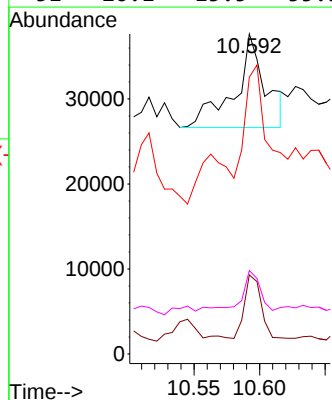
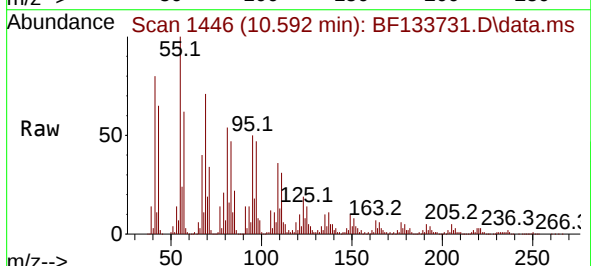
Instrument :
BNA_F
ClientSampleId :
WC-1

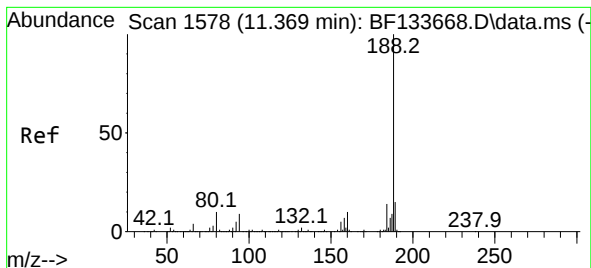
Tgt Ion:138 Resp: 16331
Ion Ratio Lower Upper
138 100
92 38.5 28.9 68.9
108 72.4 61.0 101.0



#63
Azobenzene
Concen: 2.544 ng
RT: 10.592 min Scan# 1446
Delta R.T. 0.012 min
Lab File: BF133731.D
Acq: 13 Jun 2023 15:16

Tgt Ion: 77 Resp: 17962
Ion Ratio Lower Upper
77 100
182 24.7 1.6 41.6
105 86.5 1.6 41.6#
51 26.1 15.5 55.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF133731.D

Acq: 13 Jun 2023 15:16

Instrument :

BNA_F

ClientSampleId :

WC-1

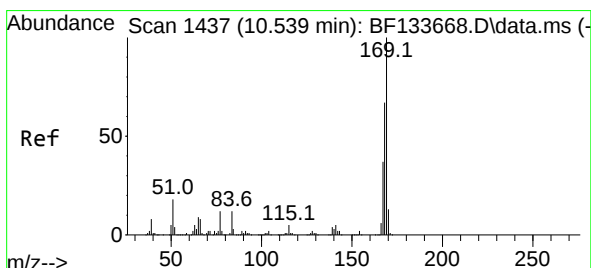
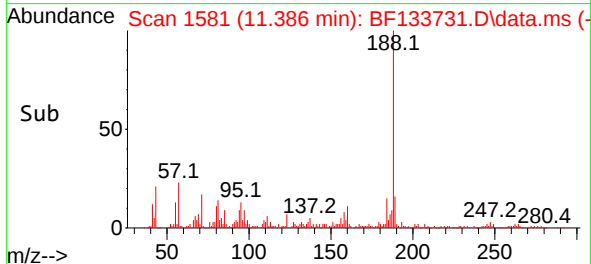
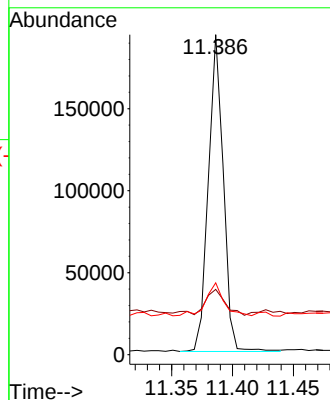
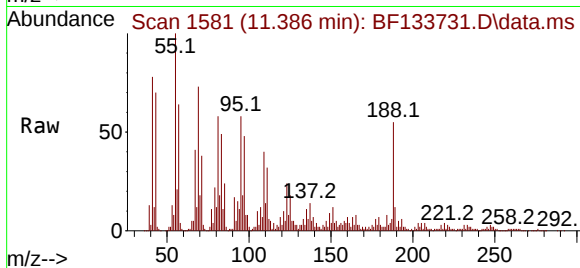
Tgt Ion:188 Resp: 164404

Ion Ratio Lower Upper

188 100

94 20.4 6.8 10.2#

80 22.5 7.8 11.6#



#66

n-Nitrosodiphenylamine

Concen: 2.097 ng

RT: 10.545 min Scan# 1438

Delta R.T. 0.006 min

Lab File: BF133731.D

Acq: 13 Jun 2023 15:16

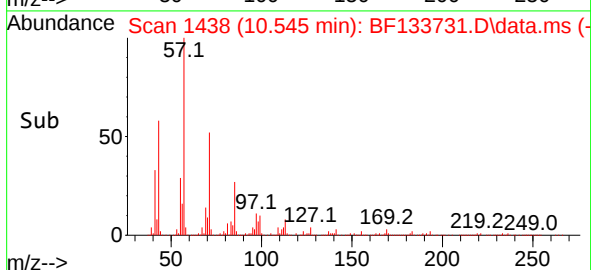
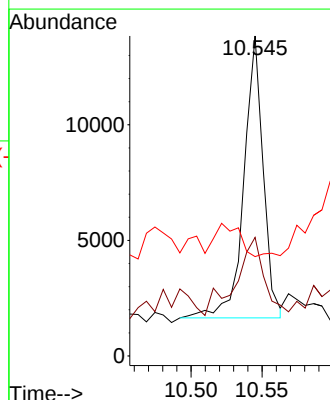
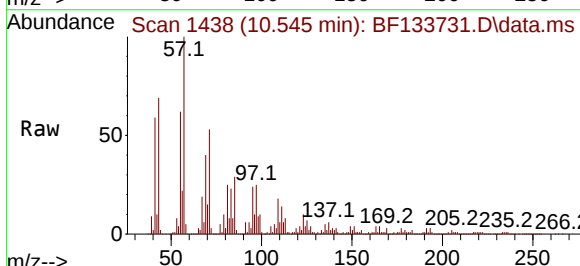
Tgt Ion:169 Resp: 11581

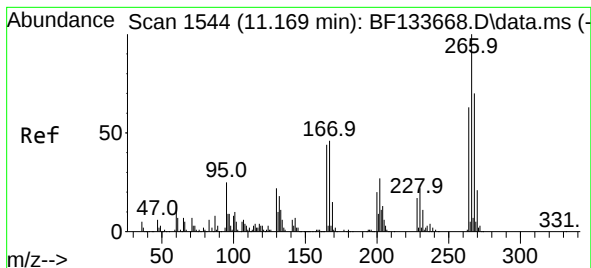
Ion Ratio Lower Upper

169 100

168 37.1 53.7 80.5#

167 31.0 29.8 44.8





#70

Pentachlorophenol

Concen: 2.552 ng

RT: 11.204 min Scan# 1

Delta R.T. 0.035 min

Lab File: BF133731.D

Acq: 13 Jun 2023 15:16

Instrument :

BNA_F

ClientSampleId :

WC-1

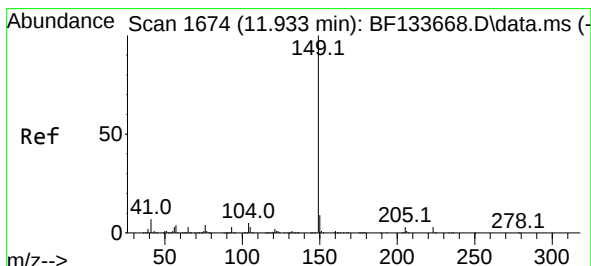
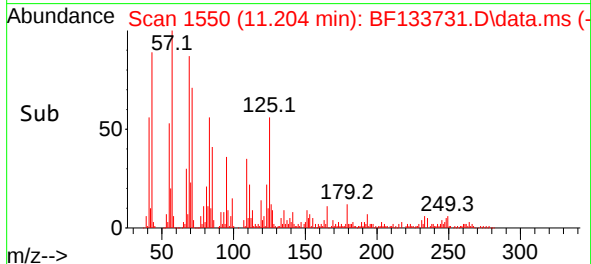
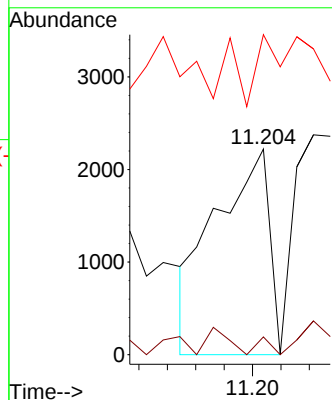
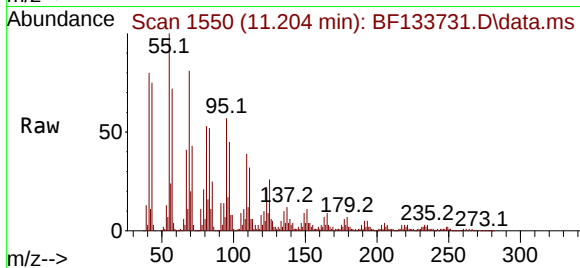
Tgt Ion:266 Resp: 2949

Ion Ratio Lower Upper

266 100

268 8.6 55.7 83.5#

264 155.7 50.7 76.1#



#74

Di-n-butylphthalate

Concen: 2.777 ng

RT: 11.939 min Scan# 1675

Delta R.T. 0.012 min

Lab File: BF133731.D

Acq: 13 Jun 2023 15:16

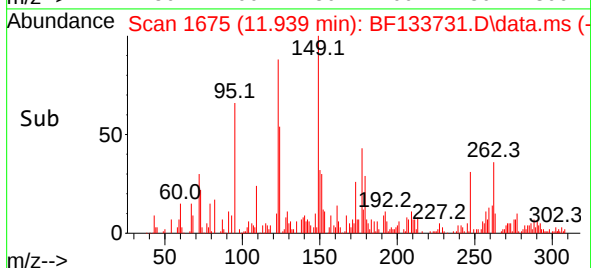
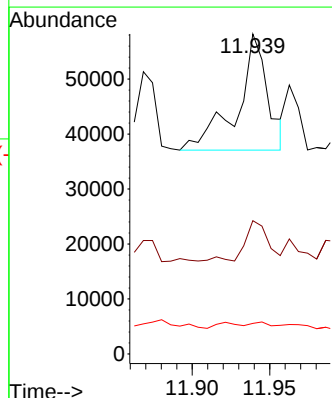
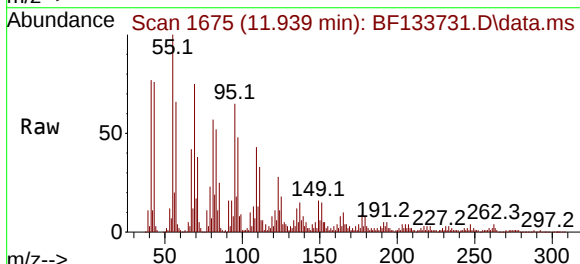
Tgt Ion:149 Resp: 28837

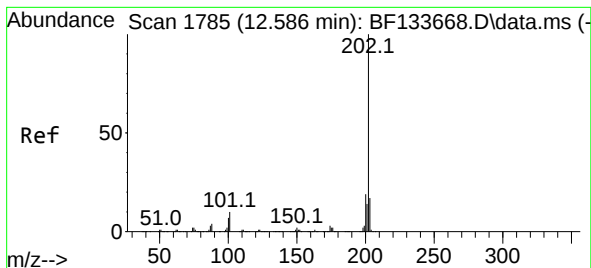
Ion Ratio Lower Upper

149 100

150 41.7 7.4 11.0#

104 9.6 3.8 5.8#





#75

Fluoranthene

Concen: 2.362 ng

RT: 12.616 min Scan# 11

Delta R.T. 0.029 min

Lab File: BF133731.D

Acq: 13 Jun 2023 15:16

Instrument :

BNA_F

ClientSampleId :

WC-1

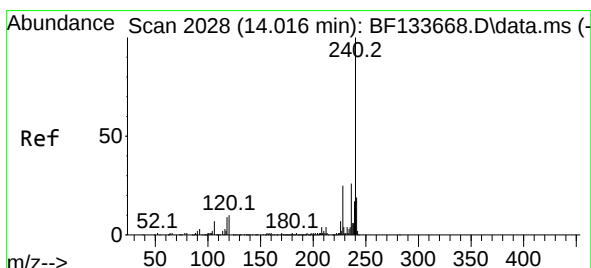
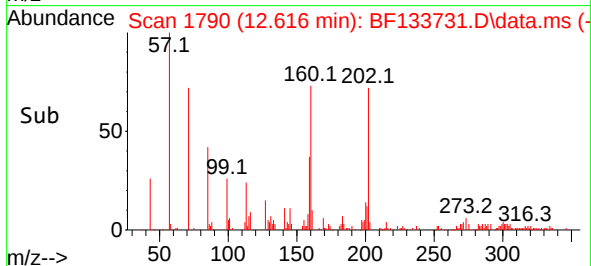
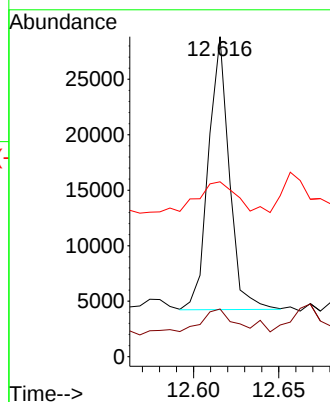
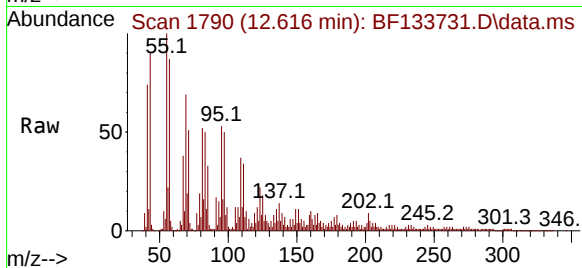
Tgt Ion:202 Resp: 20921

Ion Ratio Lower Upper

202 100

101 14.9 0.0 29.6

203 54.7 0.0 37.4#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.024 min

Lab File: BF133731.D

Acq: 13 Jun 2023 15:16

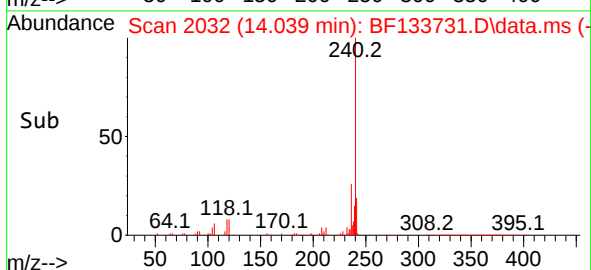
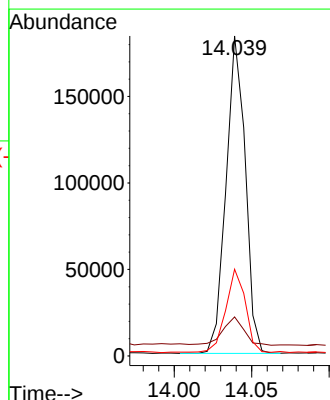
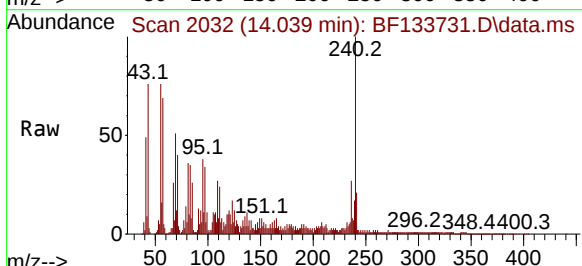
Tgt Ion:240 Resp: 158197

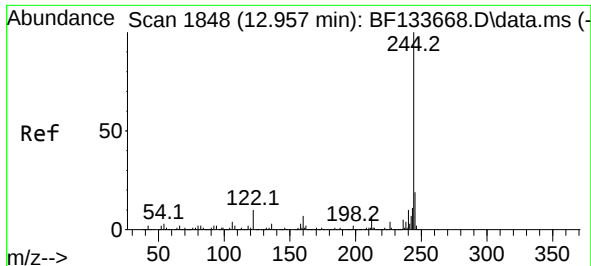
Ion Ratio Lower Upper

240 100

120 12.2 8.1 12.1#

236 27.1 20.5 30.7

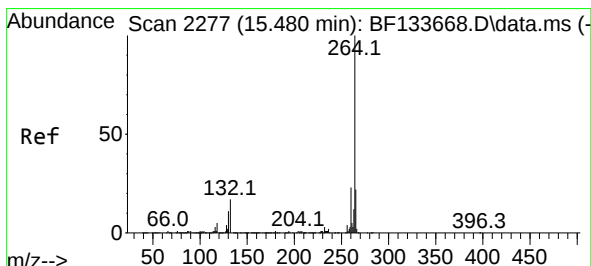
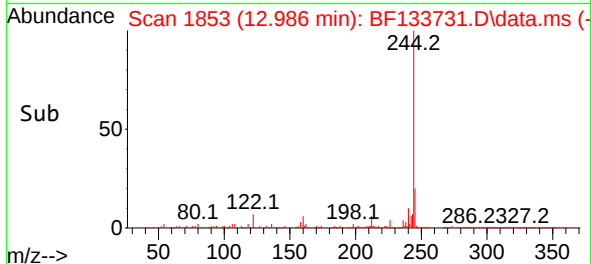
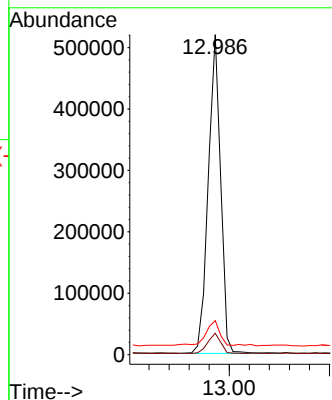
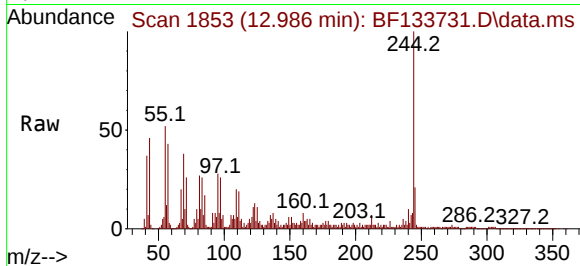




#79
 Terphenyl-d14
 Concen: 43.699 ng
 RT: 12.986 min Scan# 1848
 Delta R.T. 0.029 min
 Lab File: BF133731.D
 Acq: 13 Jun 2023 15:16

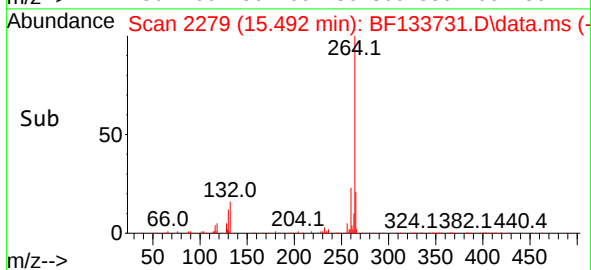
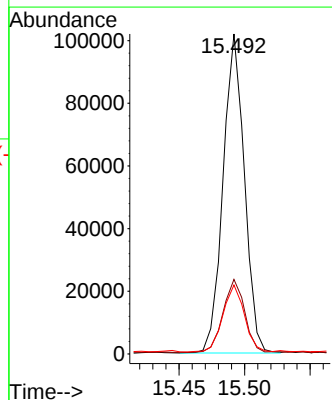
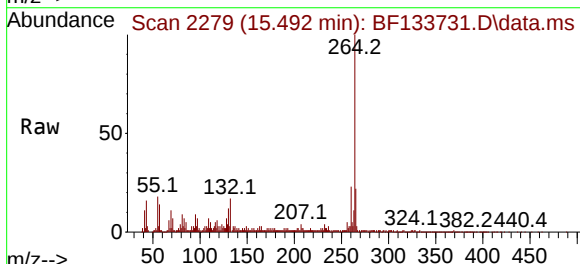
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

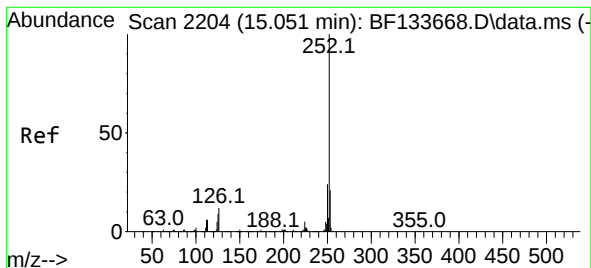
Tgt Ion:244 Resp: 446770
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 10.6 8.1 12.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.492 min Scan# 2279
 Delta R.T. 0.012 min
 Lab File: BF133731.D
 Acq: 13 Jun 2023 15:16

Tgt Ion:264 Resp: 114917
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.2 27.2
 265 21.5 17.8 26.6





#88

Benzo(b)fluoranthene

Concen: 2.919 ng

RT: 15.068 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133731.D

Acq: 13 Jun 2023 15:16

Instrument :

BNA_F

ClientSampleId :

WC-1

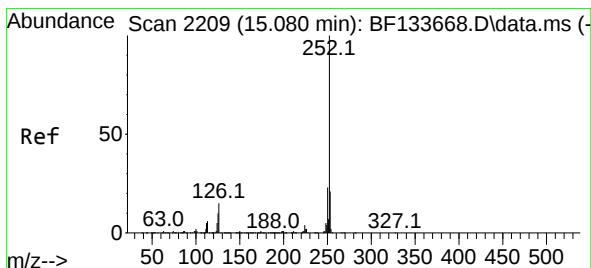
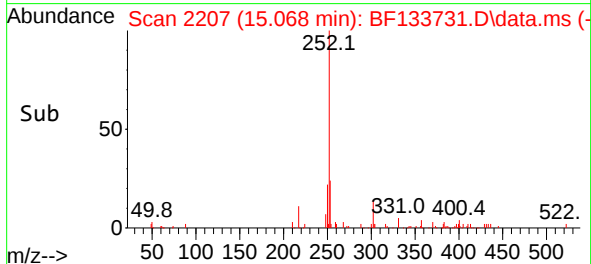
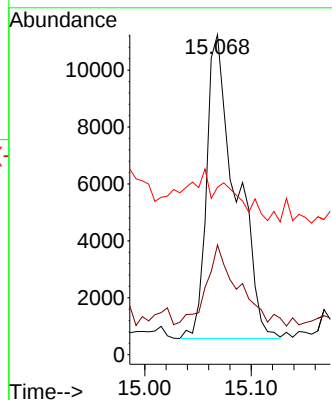
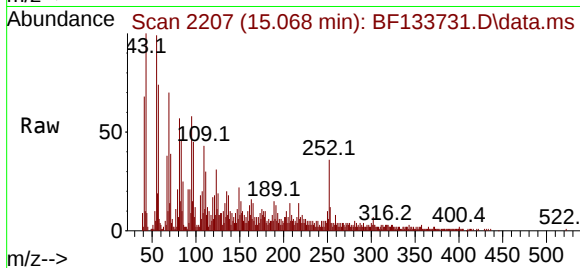
Tgt Ion:252 Resp: 20380

Ion Ratio Lower Upper

252 100

253 34.3 17.0 25.6#

125 52.3 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 2.997 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.018 min

Lab File: BF133731.D

Acq: 13 Jun 2023 15:16

Tgt Ion:252 Resp: 20380

Ion Ratio Lower Upper

252 100

253 34.3 17.0 25.4#

125 52.3 7.8 11.6#

