

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
 Data File : BF133087.D
 Acq On : 27 Apr 2023 02:39
 Operator : CG\JU
 Sample : 02423-11 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPE-1WC-23-04-18

Quant Time: Apr 27 04:04:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 01:56:03 2023
 Response via : Initial Calibration

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

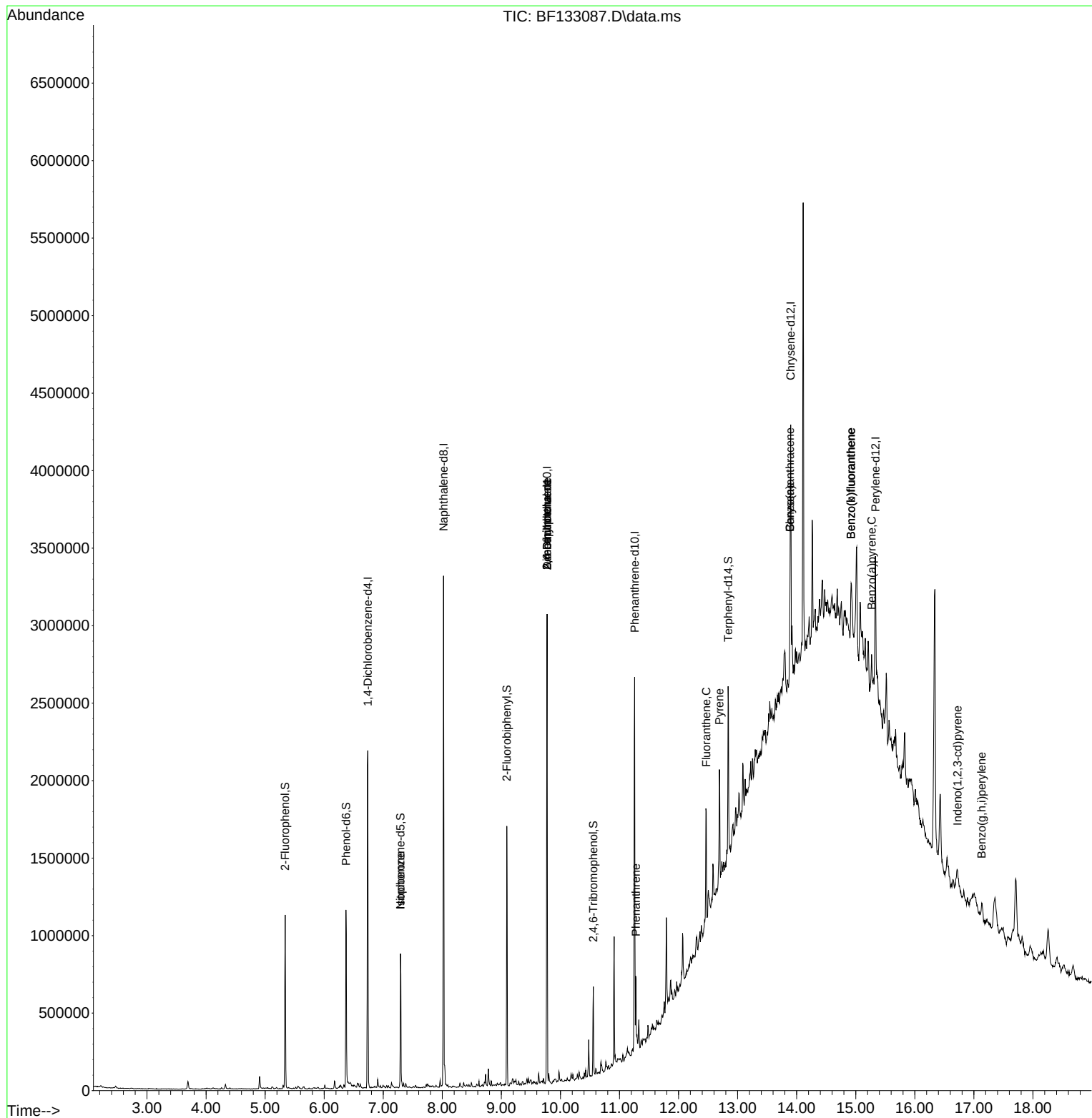
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	323232	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	1240795	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	558886	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	872421	20.000	ng	0.00
76) Chrysene-d12	13.898	240	547260	20.000	ng	0.00
86) Perylene-d12	15.333	264	439304	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	297984	13.926	ng	0.00
7) Phenol-d6	6.369	99	373500	14.063	ng	-0.01
23) Nitrobenzene-d5	7.292	82	238480	10.374	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	60086	10.690	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	450145	13.475	ng	0.00
79) Terphenyl-d14	12.839	244	389319	12.269	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.281	77	5242	Below Cal		86
25) Isophorone	7.292	82	236981	5.430 ng	#	63
50) Dimethylphthalate	9.775	163	116265	2.983 ng	#	1
51) 2,6-Dinitrotoluene	9.775	165	74029	8.440 ng	#	25
57) 2,4-Dinitrotoluene	9.775	165	74029	6.618 ng	#	23
71) Phenanthrene	11.280	178	178738	3.812 ng		98
75) Fluoranthene	12.468	202	308530	6.556 ng		97
78) Pyrene	12.692	202	315078	6.716 ng		98
81) Benzo(a)anthracene	13.886	228	140400	3.731 ng		94
83) Chrysene	13.886	228	140400	3.732 ng		98
87) Indeno(1,2,3-cd)pyrene	16.721	276	82380	3.297 ng		96
88) Benzo(b)fluoranthene	14.921	252	230353	8.242 ng	#	79
89) Benzo(k)fluoranthene	14.921	252	230353	8.315 ng	#	79
90) Benzo(a)pyrene	15.268	252	100364	3.945 ng	#	74
92) Benzo(g,h,i)perylene	17.133	276	87789	4.267 ng		93

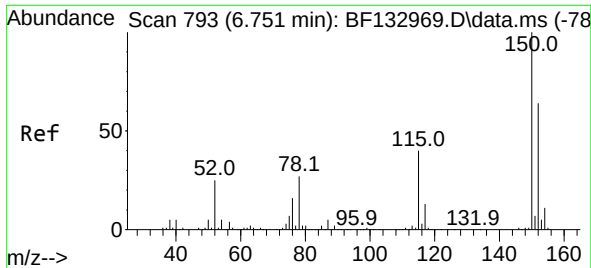
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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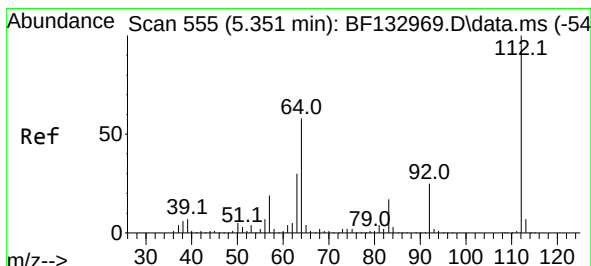
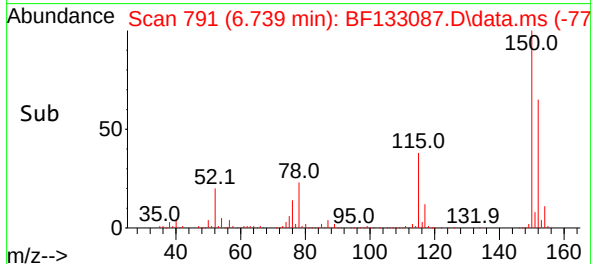
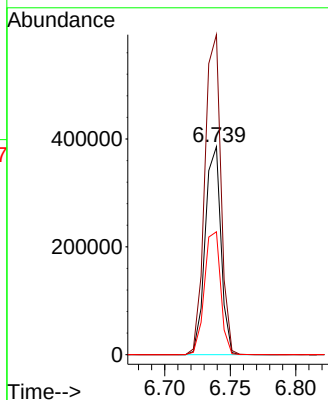
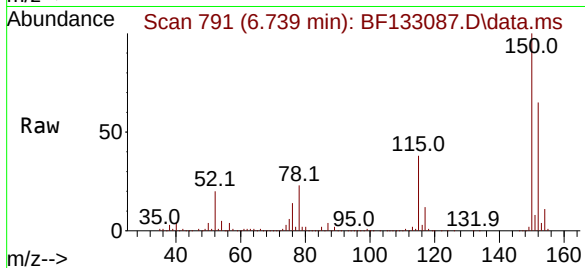




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

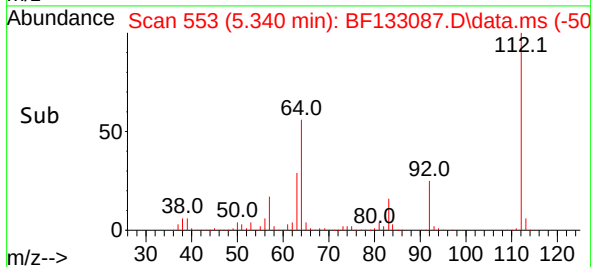
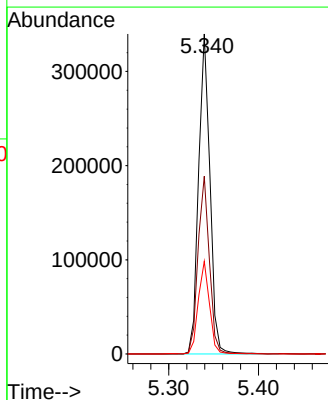
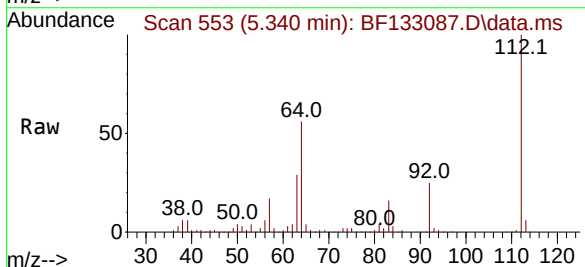
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18

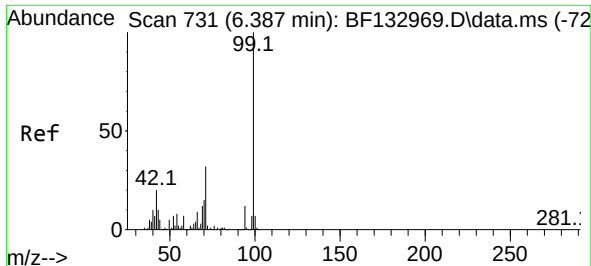
Tgt Ion:152 Resp: 323232
Ion Ratio Lower Upper
152 100
150 153.9 124.8 187.2
115 59.1 49.9 74.9



#5
2-Fluorophenol
Concen: 13.926 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

Tgt Ion:112 Resp: 297984
Ion Ratio Lower Upper
112 100
64 55.5 46.8 70.2
63 29.0 23.8 35.8

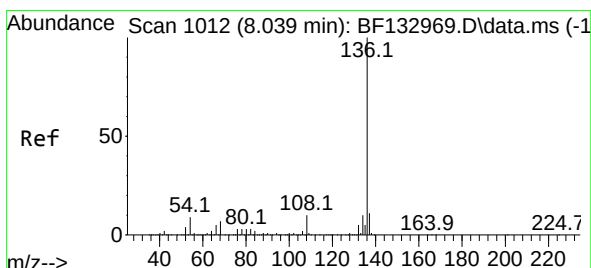
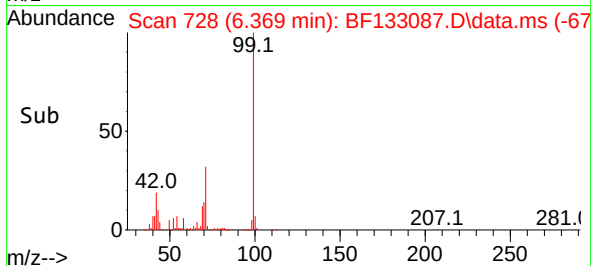
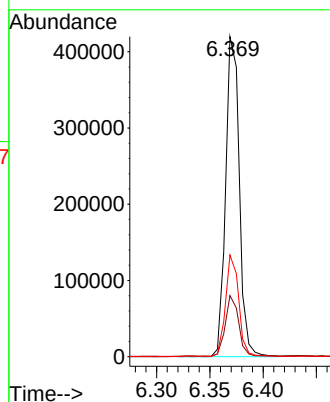
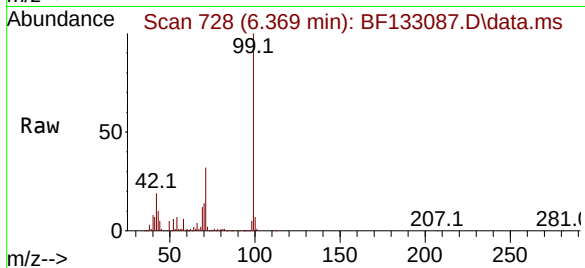




#7
Phenol-d6
Concen: 14.063 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

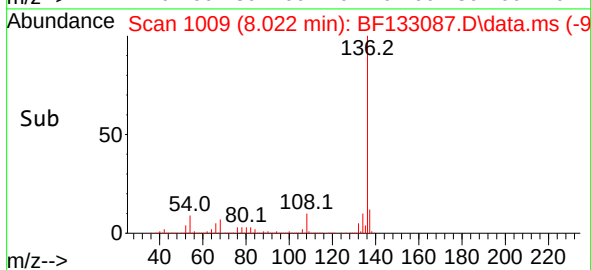
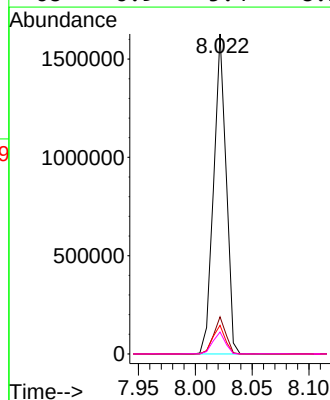
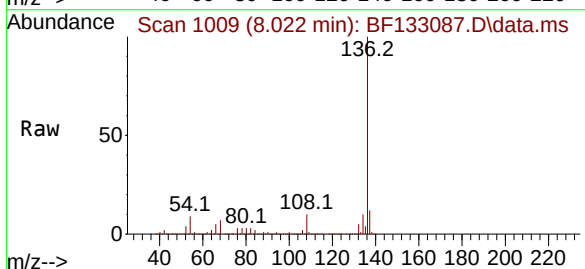
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18

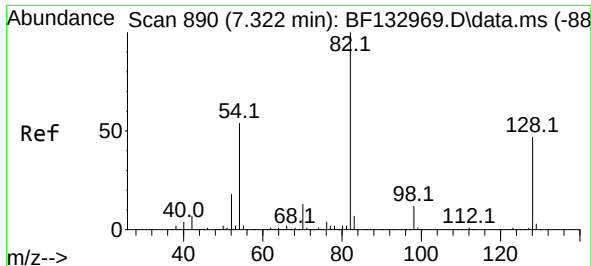
Tgt Ion: 99 Resp: 373500
Ion Ratio Lower Upper
99 100
42 19.1 16.3 24.5
71 31.8 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

Tgt Ion: 136 Resp: 1240795
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 9.0 7.0 10.4
68 6.9 5.4 8.2





#23

Nitrobenzene-d5

Concen: 10.374 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.012 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18

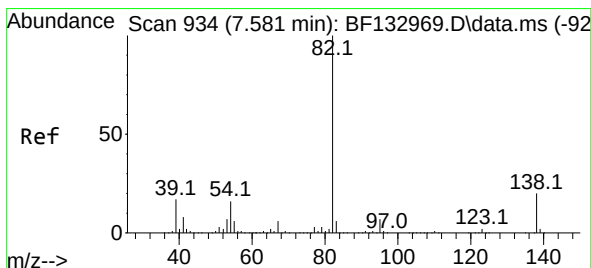
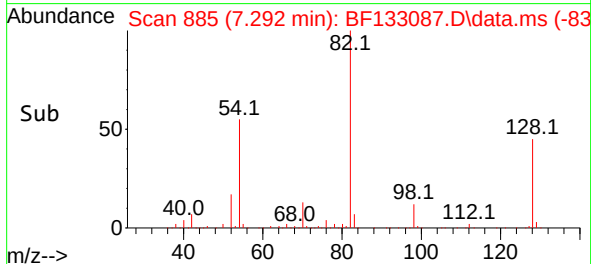
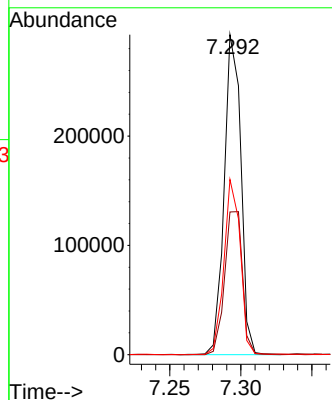
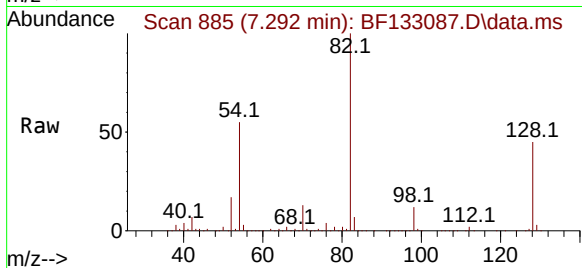
Tgt Ion: 82 Resp: 238480

Ion Ratio Lower Upper

82 100

128 44.6 37.7 56.5

54 54.7 43.0 64.4



#25

Isophorone

Concen: 5.430 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.271 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

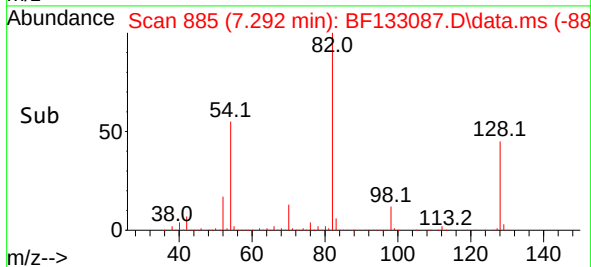
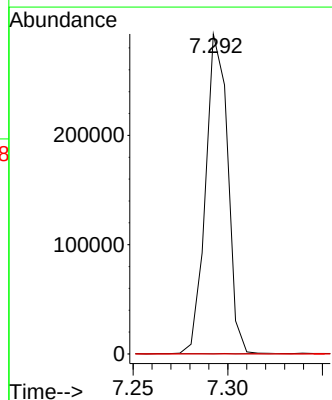
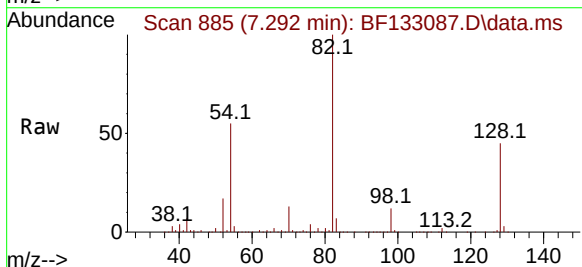
Tgt Ion: 82 Resp: 236981

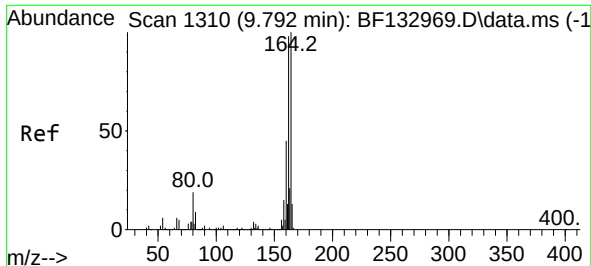
Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.0#

138 0.0 16.0 24.0#

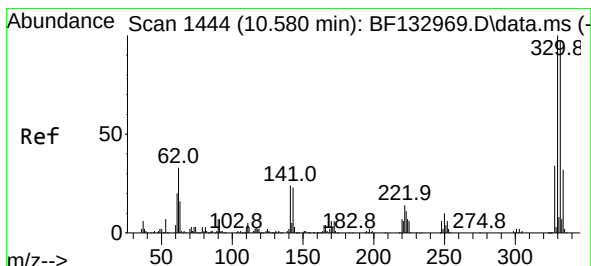
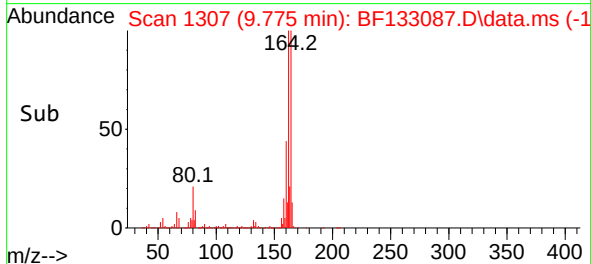
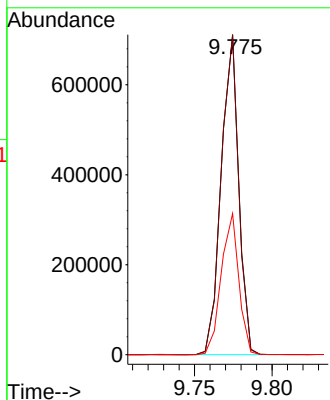
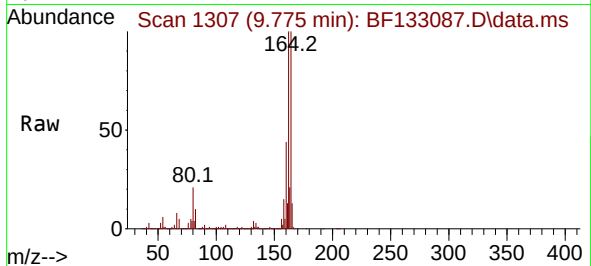




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

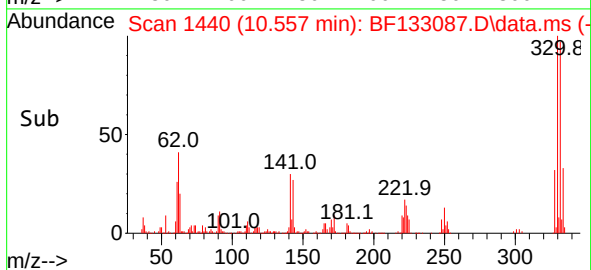
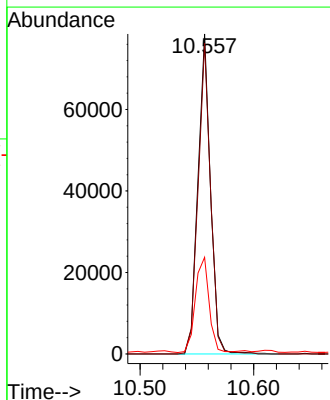
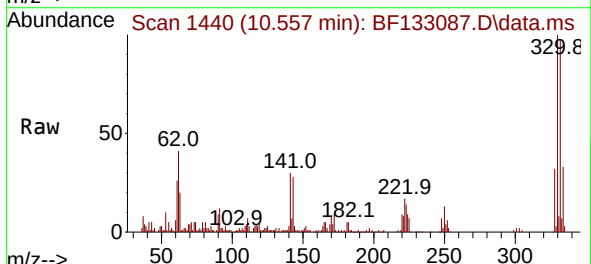
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18

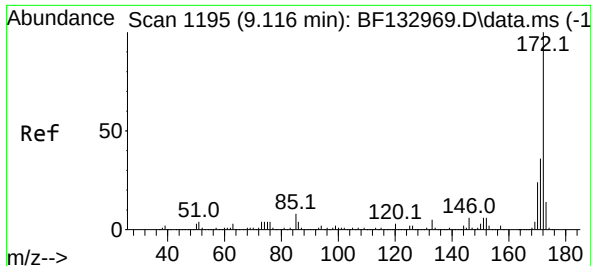
Tgt Ion:164 Resp: 558886
Ion Ratio Lower Upper
164 100
162 100.0 78.7 118.1
160 44.1 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 10.690 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

Tgt Ion:330 Resp: 60086
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 32.7 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 13.475 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF133087.D

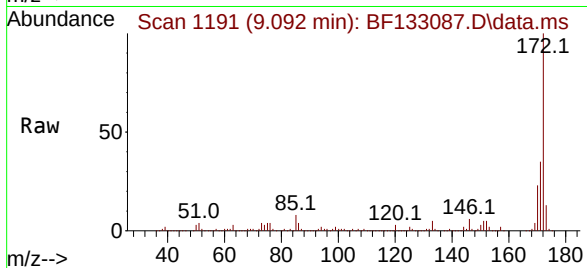
Acq: 27 Apr 2023 02:39

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18



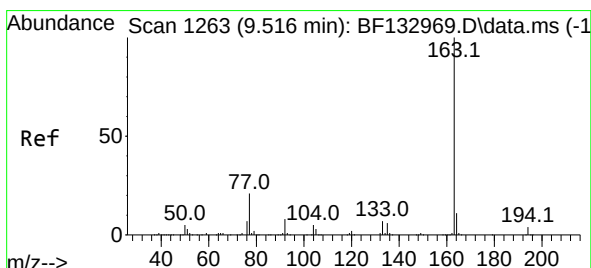
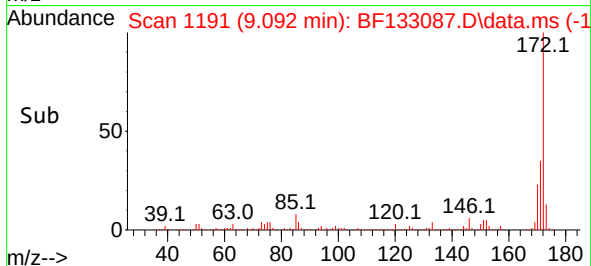
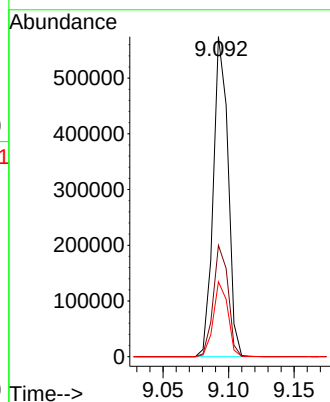
Tgt Ion:172 Resp: 450145

Ion Ratio Lower Upper

172 100

171 34.8 28.8 43.2

170 23.4 19.4 29.2



#50

Dimethylphthalate

Concen: 2.983 ng

RT: 9.775 min Scan# 1307

Delta R.T. 0.271 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

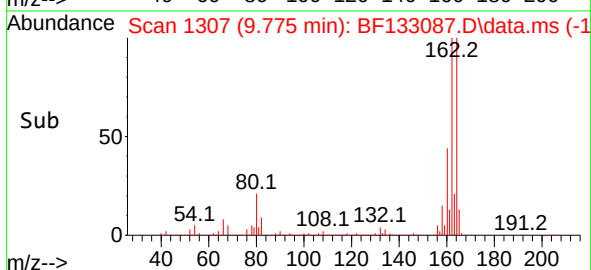
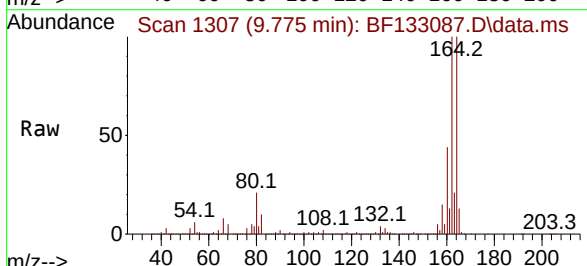
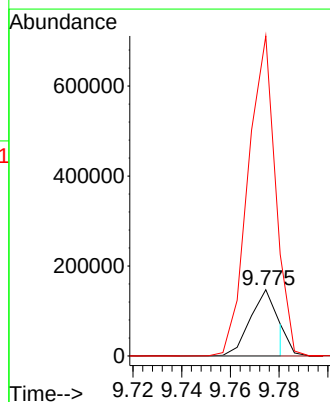
Tgt Ion:163 Resp: 116265

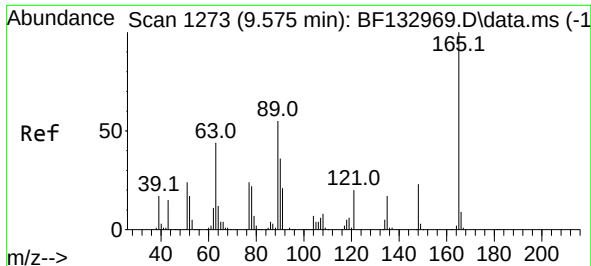
Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 483.5 8.5 12.7#

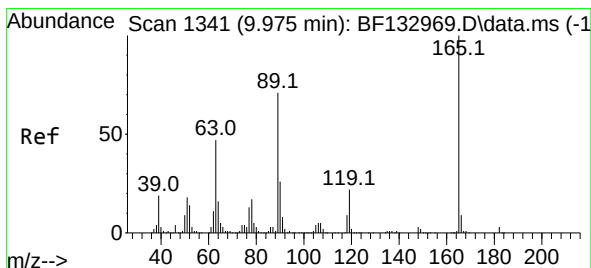
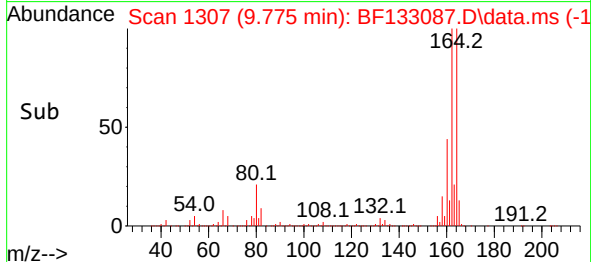
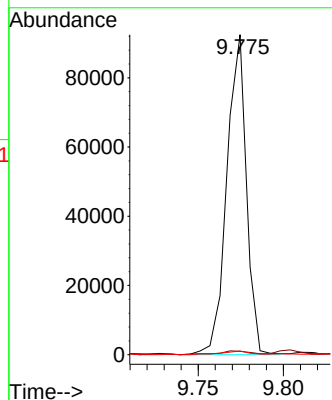
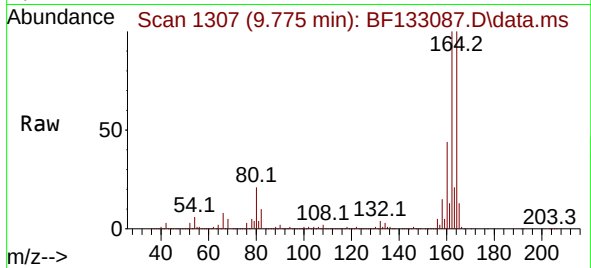




#51
2,6-Dinitrotoluene
Concen: 8.440 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

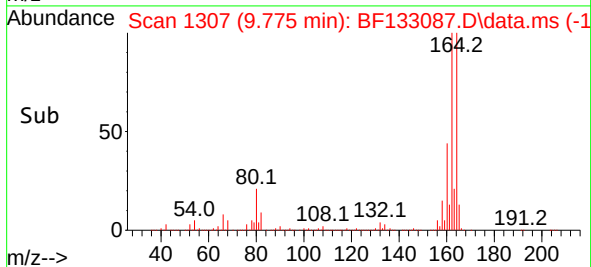
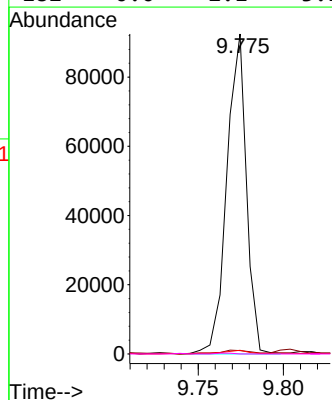
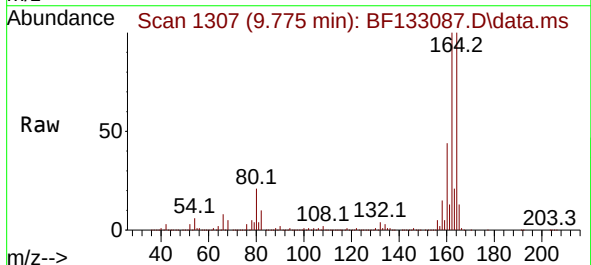
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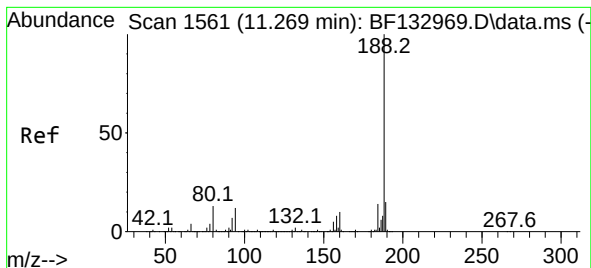
Tgt Ion:165 Resp: 74029
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.2 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.618 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.188 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

Tgt Ion:165 Resp: 74029
Ion Ratio Lower Upper
165 100
63 1.1 37.7 56.5#
89 1.2 57.0 85.4#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.257 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18

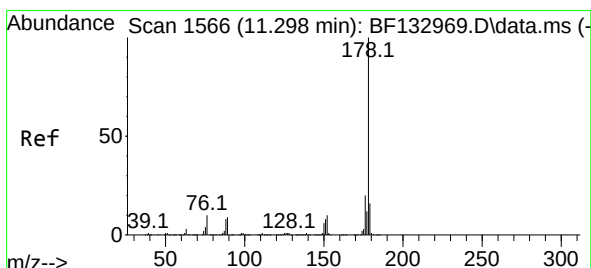
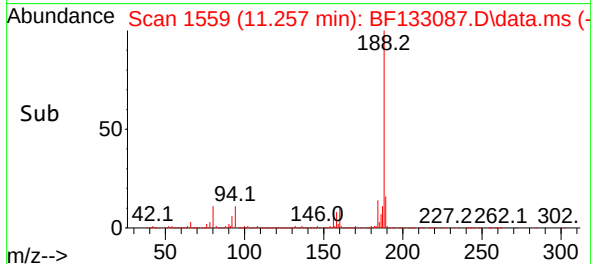
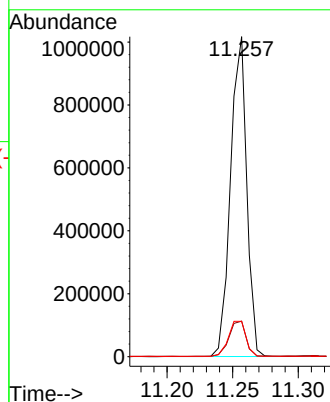
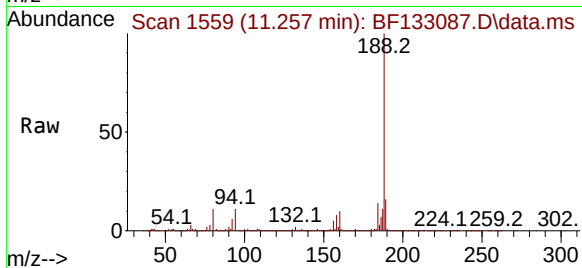
Tgt Ion:188 Resp: 872421

Ion Ratio Lower Upper

188 100

94 11.1 9.7 14.5

80 11.0 10.4 15.6



#71

Phenanthrene

Concen: 3.812 ng

RT: 11.280 min Scan# 1563

Delta R.T. 0.000 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

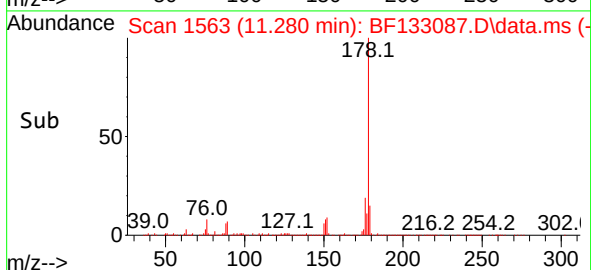
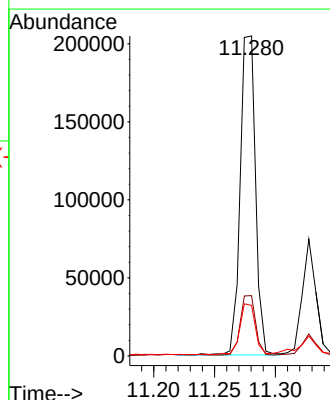
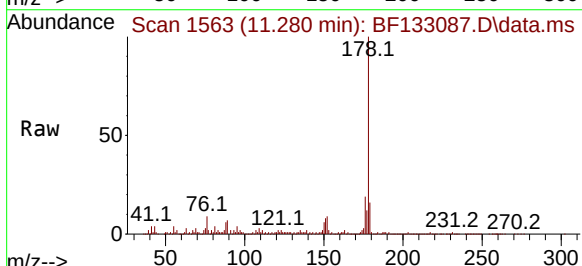
Tgt Ion:178 Resp: 178738

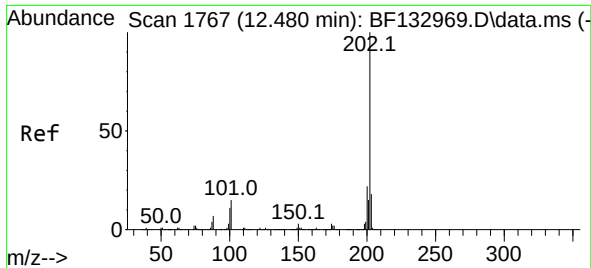
Ion Ratio Lower Upper

178 100

176 18.8 15.9 23.9

179 15.8 12.5 18.7

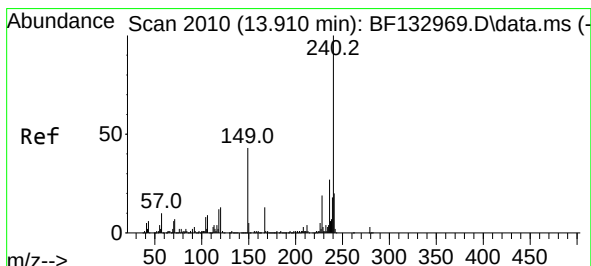
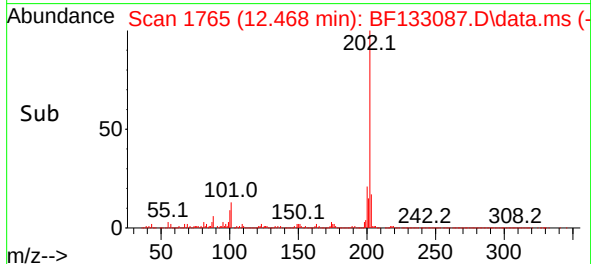
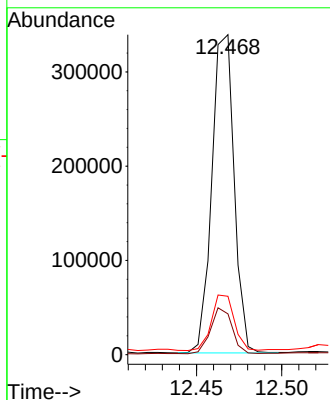
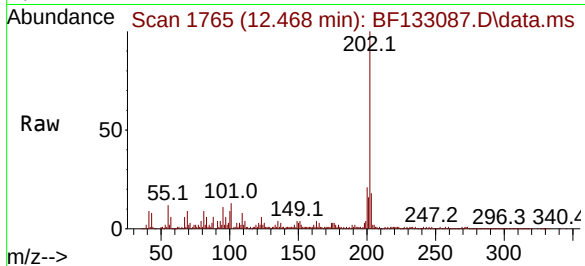




#75
Fluoranthene
Concen: 6.556 ng
RT: 12.468 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

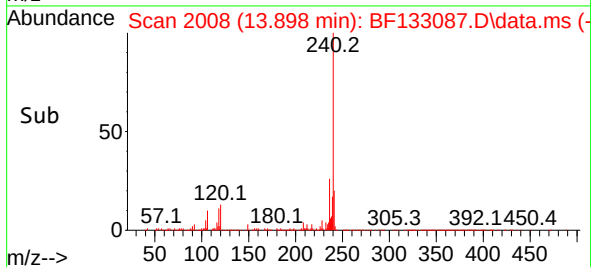
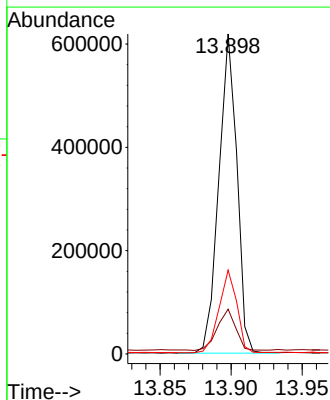
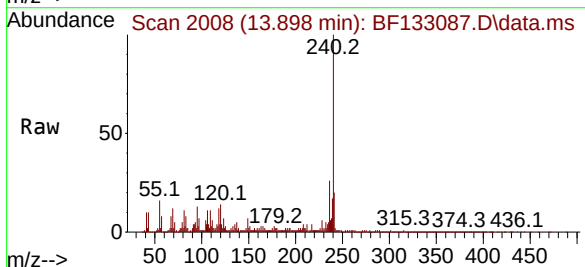
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18

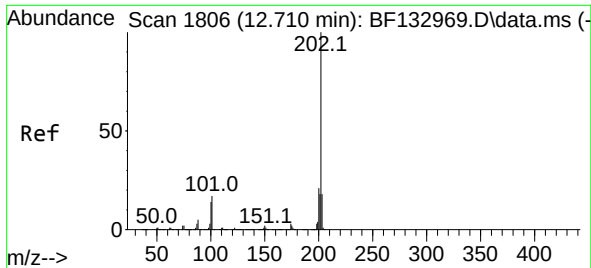
Tgt Ion:202 Resp: 308530
Ion Ratio Lower Upper
202 100
101 12.7 0.0 35.3
203 18.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 2008
Delta R.T. 0.006 min
Lab File: BF133087.D
Acq: 27 Apr 2023 02:39

Tgt Ion:240 Resp: 547260
Ion Ratio Lower Upper
240 100
120 14.0 10.5 15.7
236 26.2 21.5 32.3





#78

Pyrene

Concen: 6.716 ng

RT: 12.692 min Scan# 1803

Delta R.T. 0.000 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18

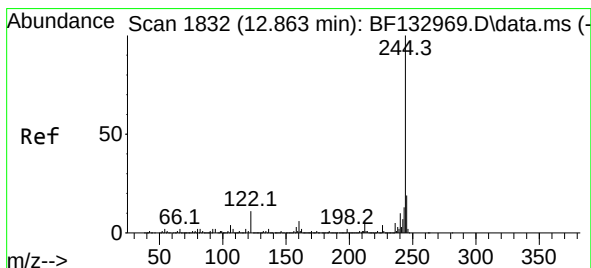
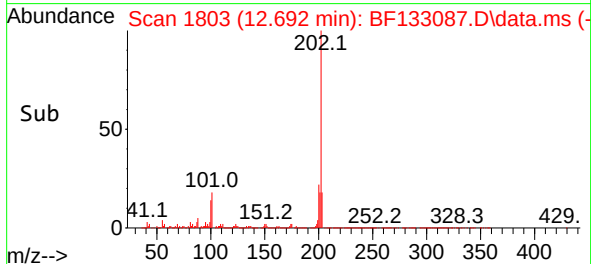
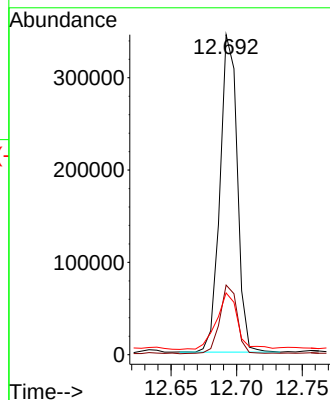
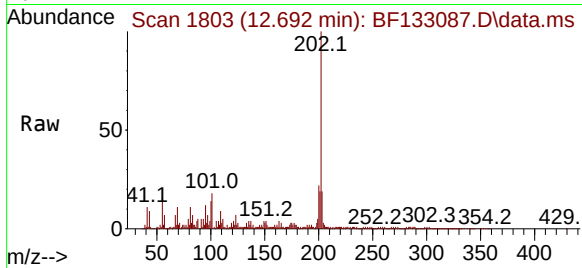
Tgt Ion:202 Resp: 315078

Ion Ratio Lower Upper

202 100

200 21.8 17.1 25.7

203 19.3 14.1 21.1



#79

Terphenyl-d14

Concen: 12.269 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

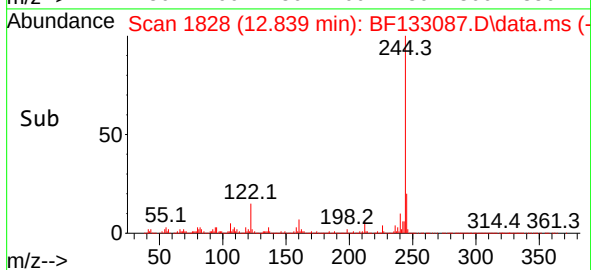
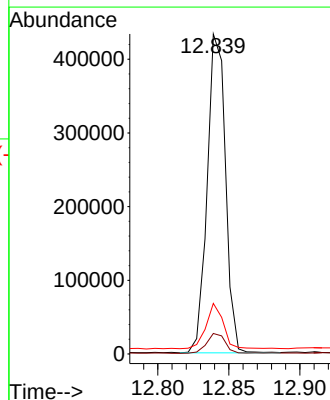
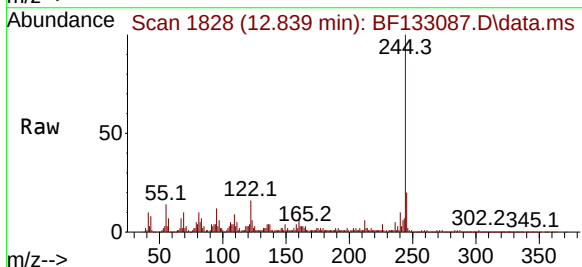
Tgt Ion:244 Resp: 389319

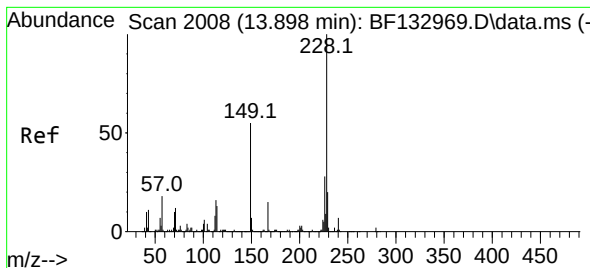
Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 15.8 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 3.731 ng

RT: 13.886 min Scan# 2006

Delta R.T. 0.006 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18

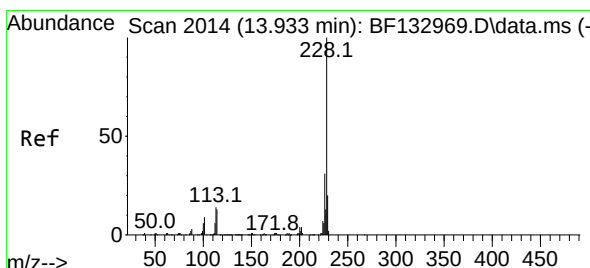
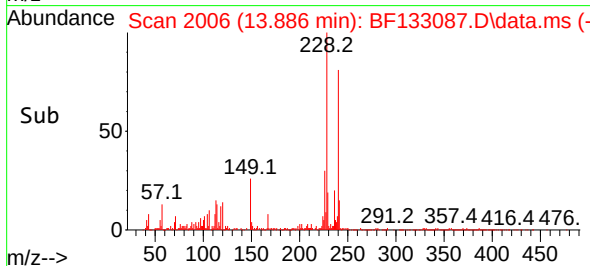
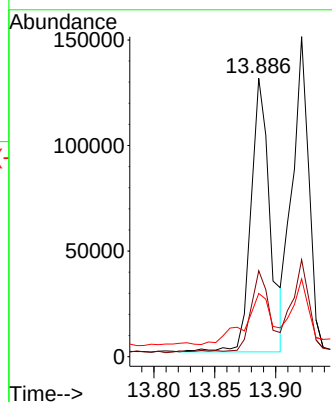
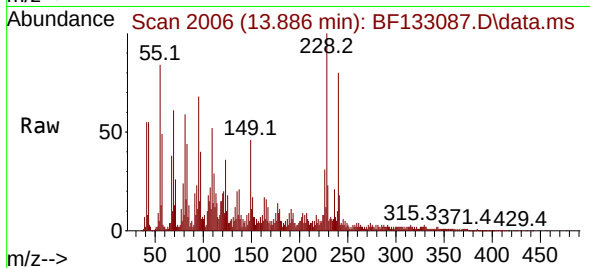
Tgt Ion:228 Resp: 140400

Ion Ratio Lower Upper

228 100

226 30.9 22.2 33.4

229 22.7 16.0 24.0



#83

Chrysene

Concen: 3.732 ng

RT: 13.886 min Scan# 2006

Delta R.T. -0.029 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

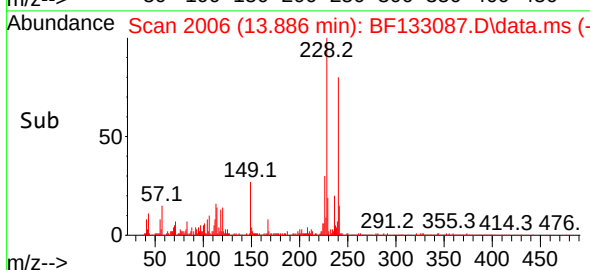
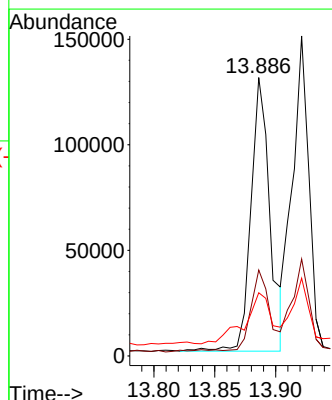
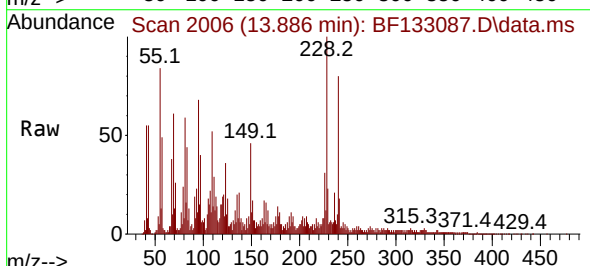
Tgt Ion:228 Resp: 140400

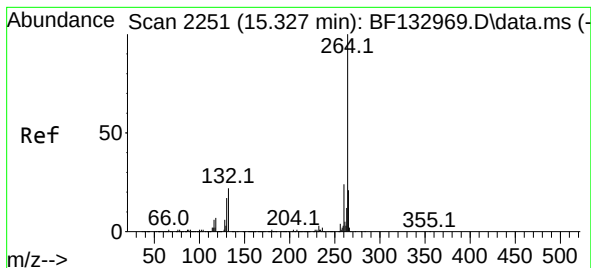
Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

229 22.7 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.333 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18

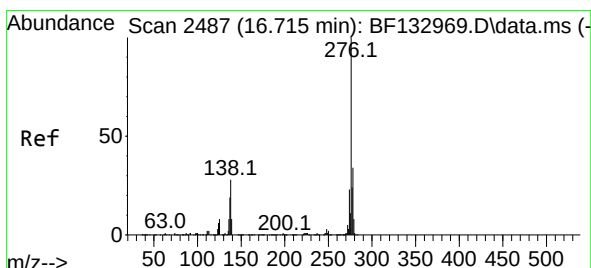
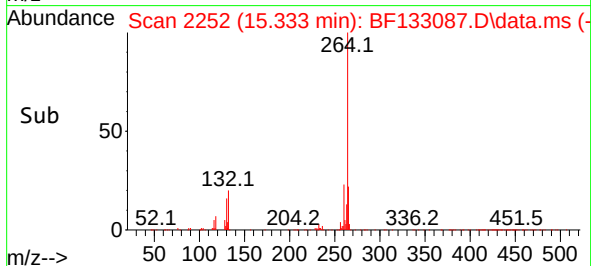
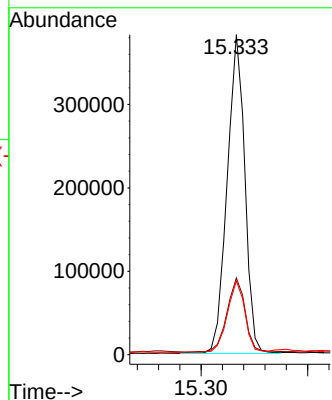
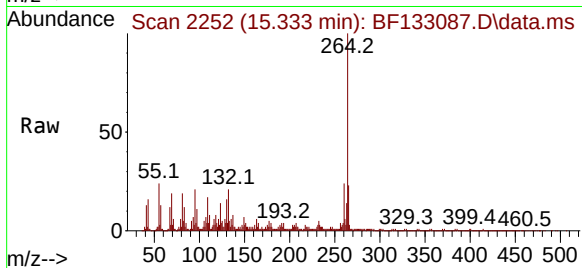
Tgt Ion:264 Resp: 439304

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 23.1 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.297 ng

RT: 16.721 min Scan# 2488

Delta R.T. 0.035 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

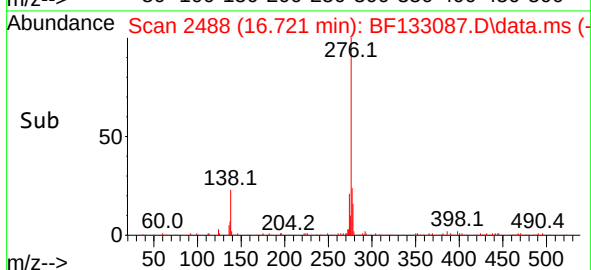
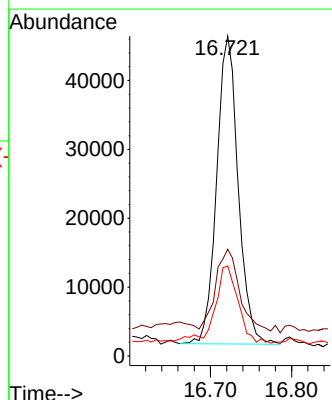
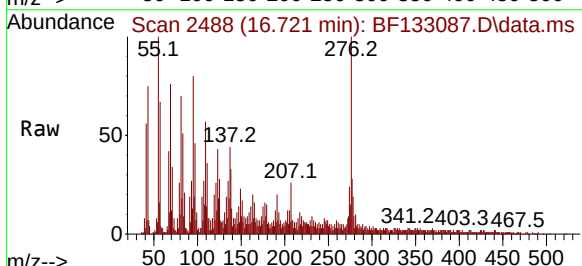
Tgt Ion:276 Resp: 82380

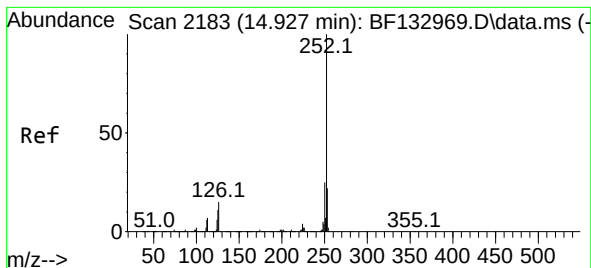
Ion Ratio Lower Upper

276 100

138 29.3 25.5 38.3

277 27.4 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 8.242 ng

RT: 14.921 min Scan# 2182

Delta R.T. 0.018 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18

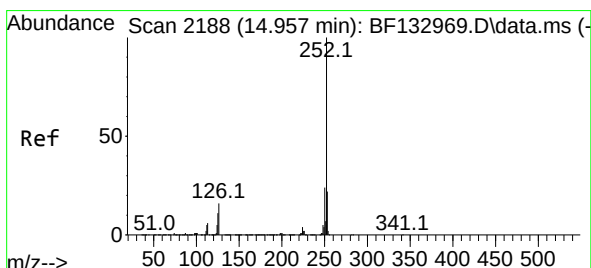
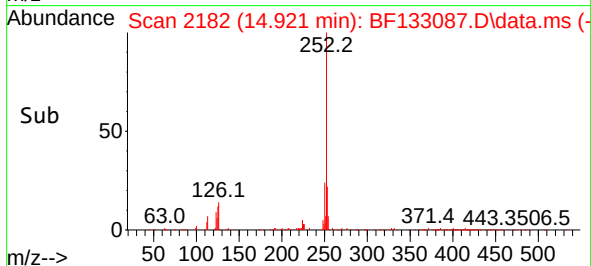
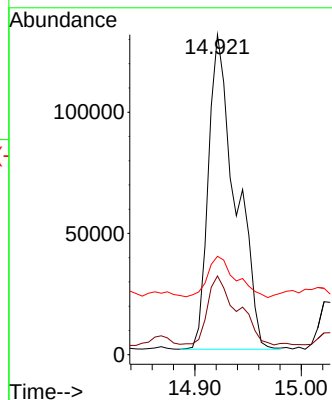
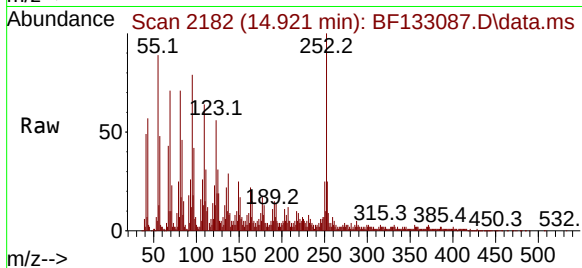
Tgt Ion:252 Resp: 230353

Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

125 30.8 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 8.315 ng

RT: 14.921 min Scan# 2182

Delta R.T. -0.012 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

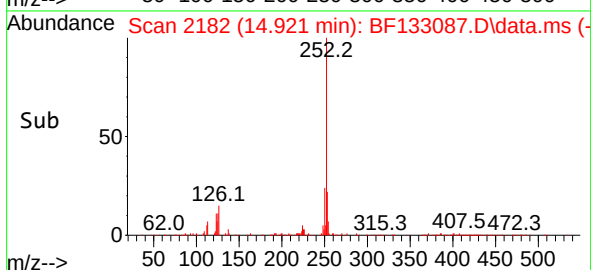
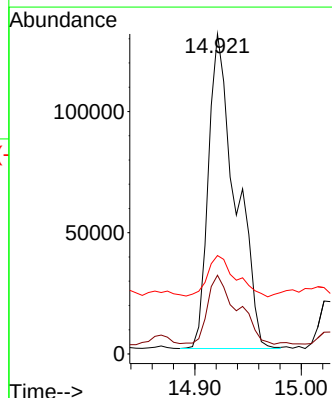
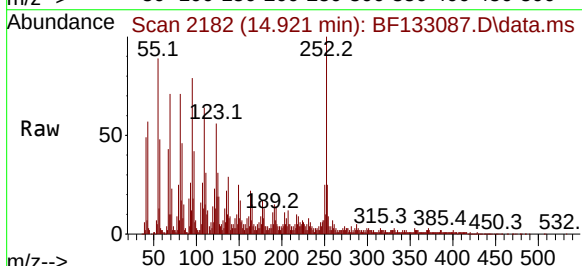
Tgt Ion:252 Resp: 230353

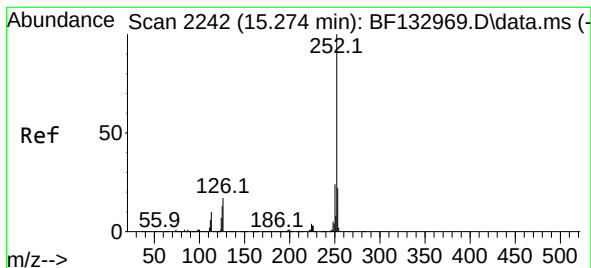
Ion Ratio Lower Upper

252 100

253 24.6 17.7 26.5

125 30.8 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 3.945 ng

RT: 15.268 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18

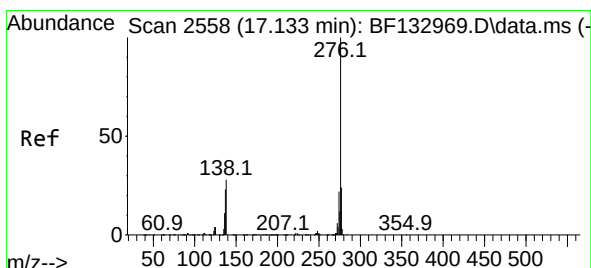
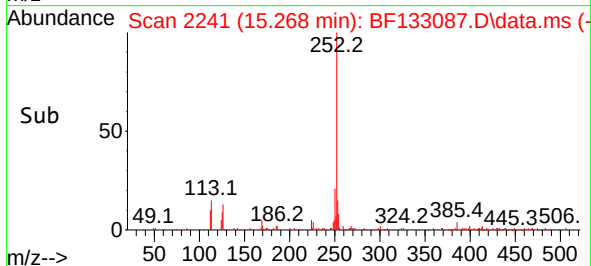
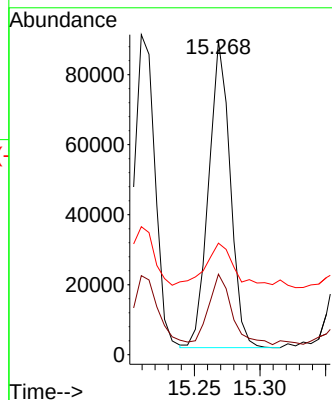
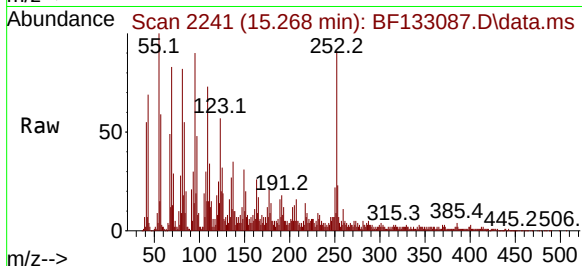
Tgt Ion:252 Resp: 100364

Ion Ratio Lower Upper

252 100

253 25.6 17.7 26.5

125 35.6 10.5 15.7#



#92

Benzo(g,h,i)perylene

Concen: 4.267 ng

RT: 17.133 min Scan# 2558

Delta R.T. 0.035 min

Lab File: BF133087.D

Acq: 27 Apr 2023 02:39

Tgt Ion:276 Resp: 87789

Ion Ratio Lower Upper

276 100

277 27.8 19.4 29.0

138 31.8 22.7 34.1

