

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042723\
 Data File : BF133110.D
 Acq On : 27 Apr 2023 20:27
 Operator : CG\JU
 Sample : 02423-11RE 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Apr 28 02:12:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 28 02:00:53 2023
 Response via : Initial Calibration

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

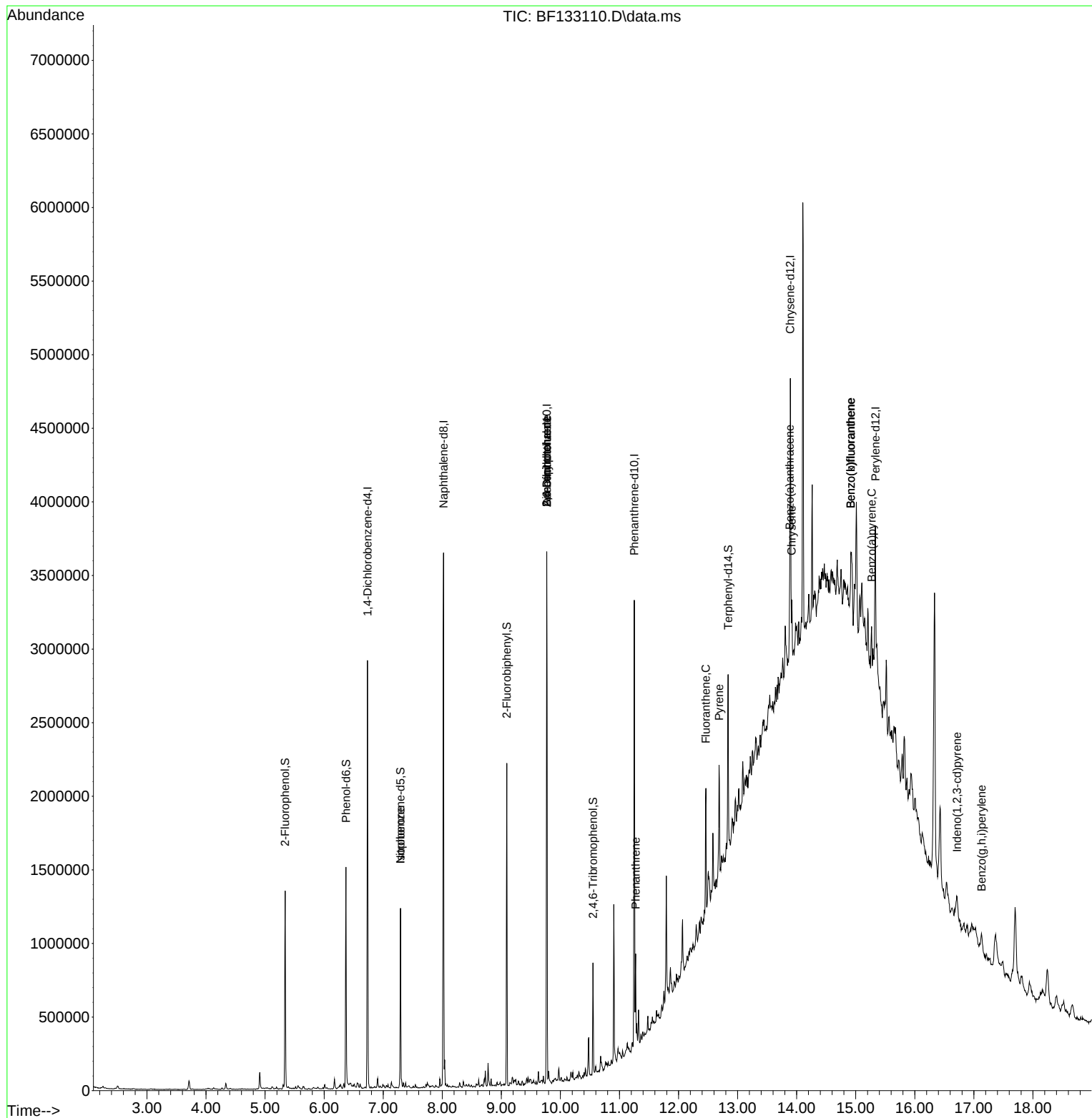
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	391992	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	1530357	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	710701	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	1054159	20.000	ng	0.00
76) Chrysene-d12	13.892	240	664374	20.000	ng	0.00
86) Perylene-d12	15.333	264	546175	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	366513	14.124	ng	0.00
7) Phenol-d6	6.369	99	451974	14.033	ng	-0.01
23) Nitrobenzene-d5	7.292	82	301475	10.633	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	75945	10.625	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	568297	13.378	ng	0.00
79) Terphenyl-d14	12.839	244	408219	10.597	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.275	77	6851	Below Cal		97
25) Isophorone	7.292	82	298621	5.547 ng	#	63
50) Dimethylphthalate	9.769	163	142498	2.876 ng	#	1
51) 2,6-Dinitrotoluene	9.769	165	94794	8.499 ng	#	25
57) 2,4-Dinitrotoluene	9.769	165	94794	6.664 ng	#	23
71) Phenanthrene	11.275	178	213854	3.774 ng		99
75) Fluoranthene	12.463	202	334706	5.886 ng		96
78) Pyrene	12.686	202	325419	5.714 ng		96
81) Benzo(a)anthracene	13.880	228	159802	3.498 ng	#	91
83) Chrysene	13.916	228	181953	3.984 ng	#	96
87) Indeno(1,2,3-cd)pyrene	16.715	276	96229	3.097 ng		98
88) Benzo(b)fluoranthene	14.916	252	295622	8.508 ng	#	80
89) Benzo(k)fluoranthene	14.916	252	295622	8.583 ng	#	81
90) Benzo(a)pyrene	15.268	252	124660	3.942 ng	#	76
92) Benzo(g,h,i)perylene	17.133	276	102378	4.002 ng		99

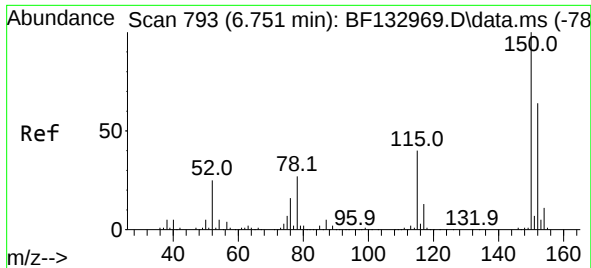
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 28 02:00:53 2023
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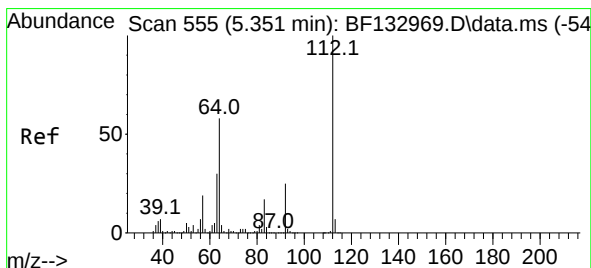
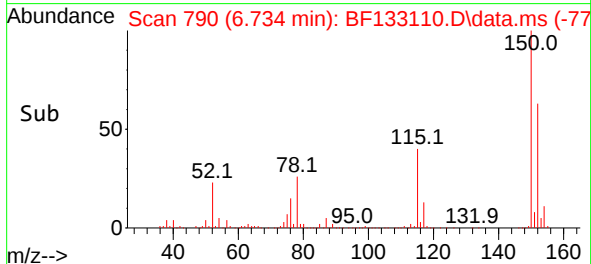
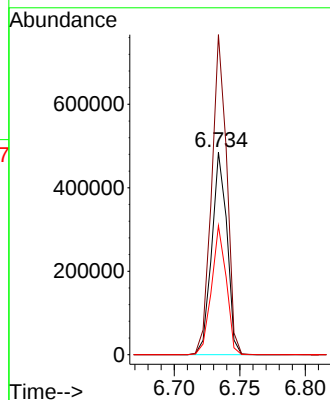
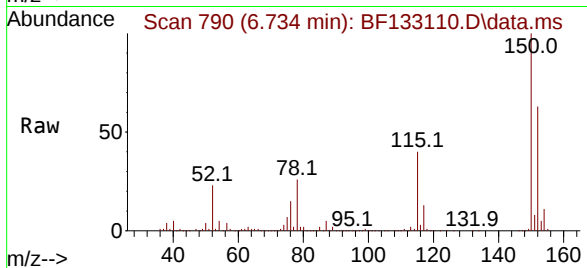




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.734 min Scan# 793
 Delta R.T. -0.006 min
 Lab File: BF133110.D
 Acq: 27 Apr 2023 20:27

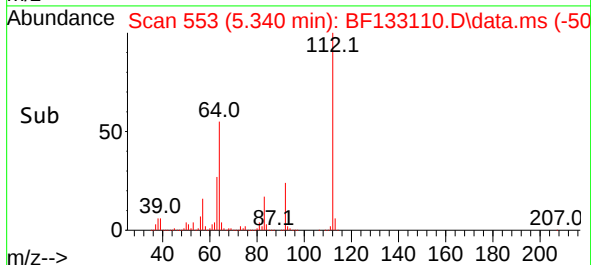
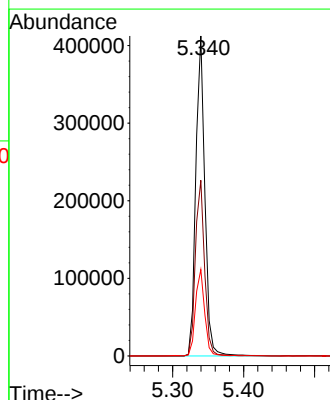
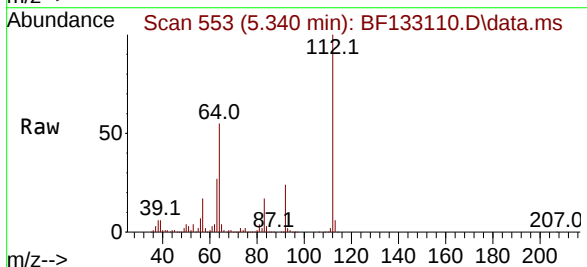
Instrument :
 BNA_F
 ClientSampleId :
 SPE-1WC-23-04-18

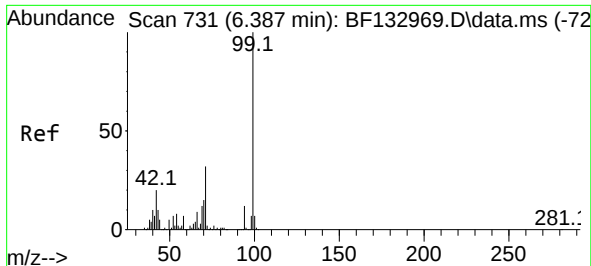
Tgt Ion:152 Resp: 391992
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.8 187.2
 115 63.7 49.9 74.9



#5
 2-Fluorophenol
 Concen: 14.124 ng
 RT: 5.340 min Scan# 553
 Delta R.T. -0.006 min
 Lab File: BF133110.D
 Acq: 27 Apr 2023 20:27

Tgt Ion:112 Resp: 366513
 Ion Ratio Lower Upper
 112 100
 64 54.9 46.8 70.2
 63 27.0 23.8 35.8

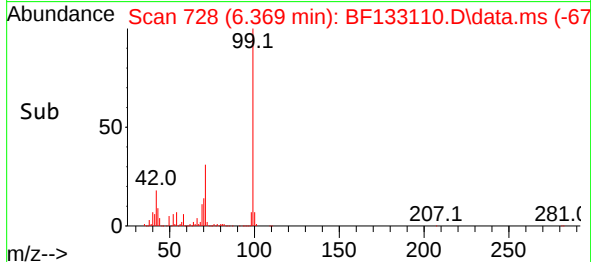
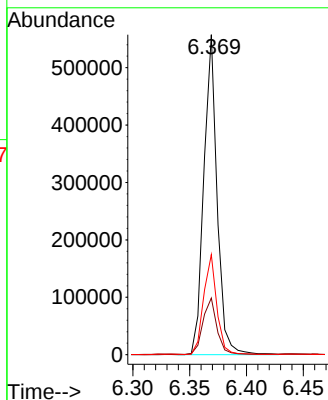
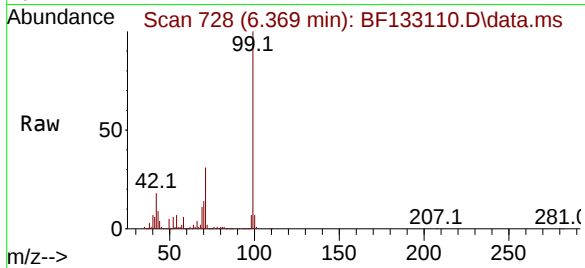




#7
Phenol-d6
Concen: 14.033 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

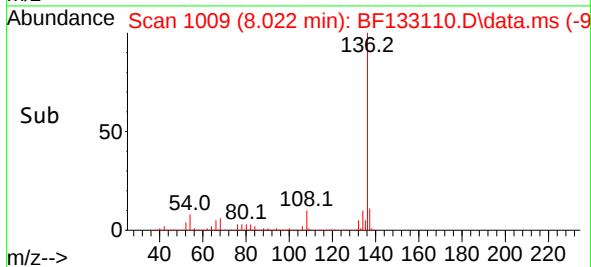
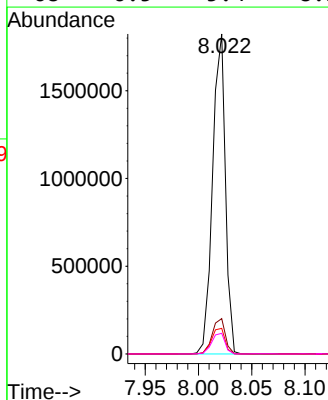
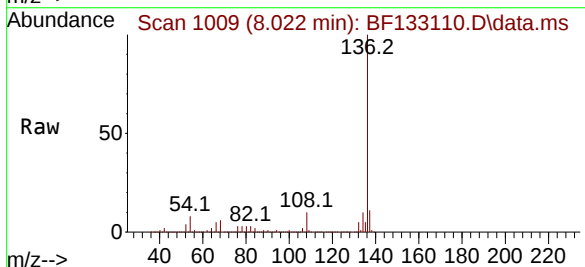
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18

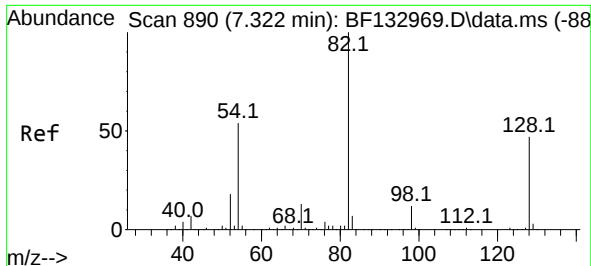
Tgt Ion: 99 Resp: 451974
Ion Ratio Lower Upper
99 100
42 17.7 16.3 24.5
71 31.3 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

Tgt Ion: 136 Resp: 1530357
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.0 7.0 10.4
68 6.5 5.4 8.2

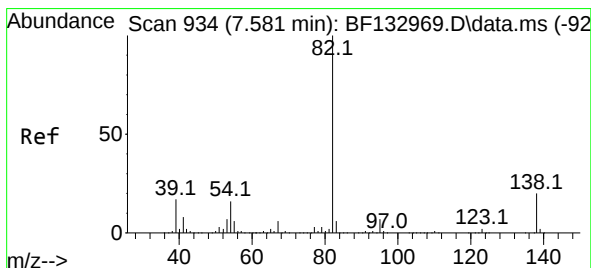
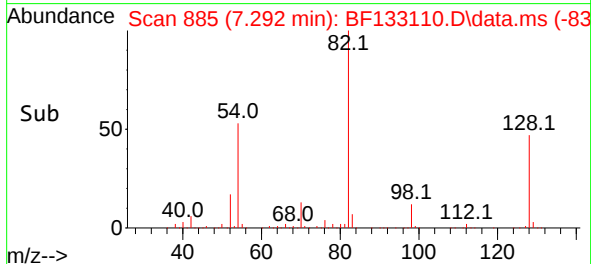
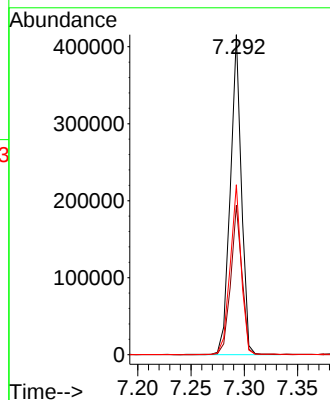
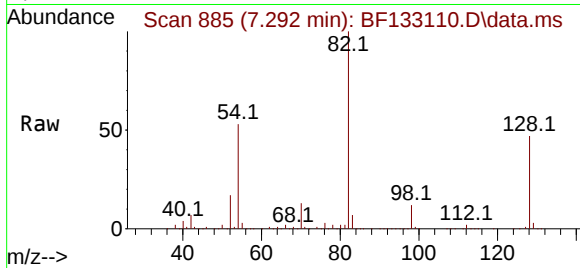




#23
Nitrobenzene-d5
Concen: 10.633 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

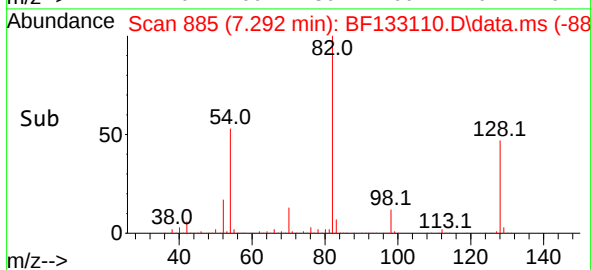
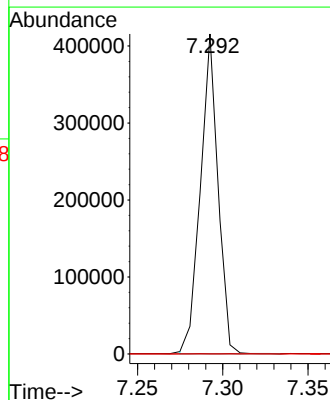
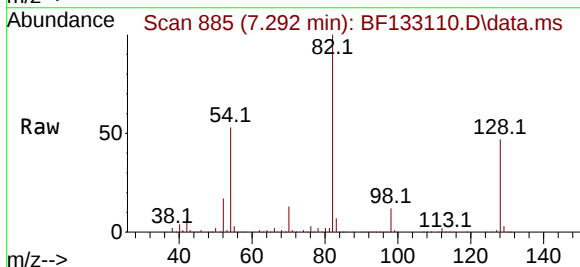
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18

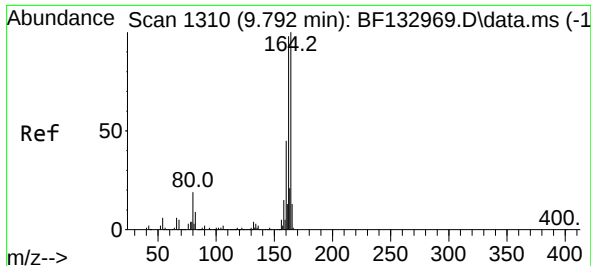
Tgt Ion: 82 Resp: 301475
Ion Ratio Lower Upper
82 100
128 46.7 37.7 56.5
54 53.1 43.0 64.4



#25
Isophorone
Concen: 5.547 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.271 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

Tgt Ion: 82 Resp: 298621
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#

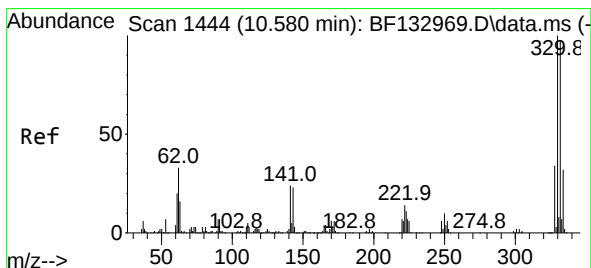
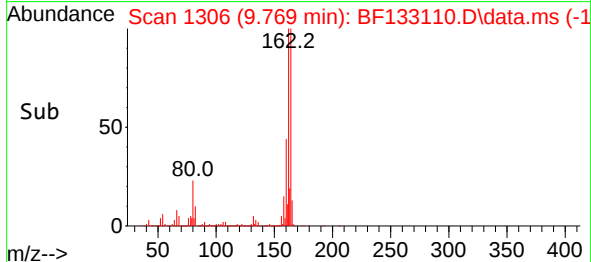
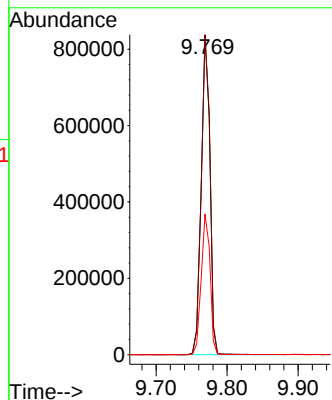
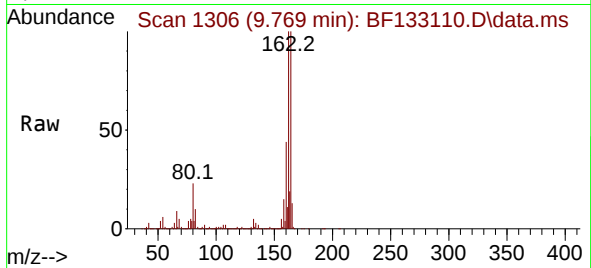




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

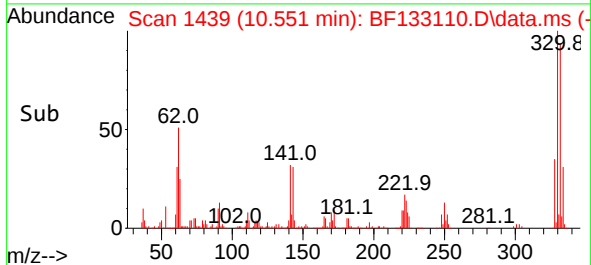
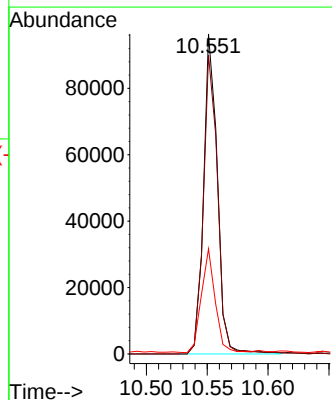
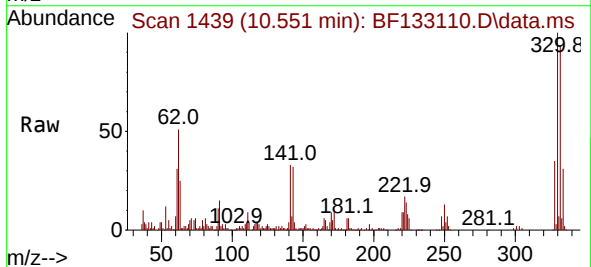
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18

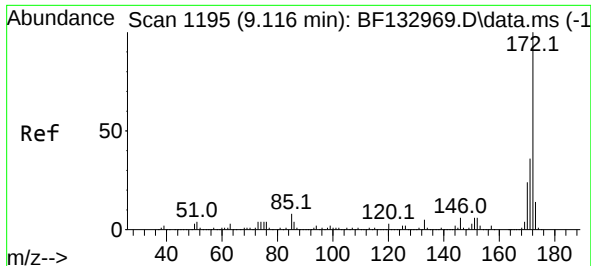
Tgt Ion:164 Resp: 710701
Ion Ratio Lower Upper
164 100
162 100.3 78.7 118.1
160 44.0 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 10.625 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.012 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

Tgt Ion:330 Resp: 75945
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 32.2 25.8 38.8

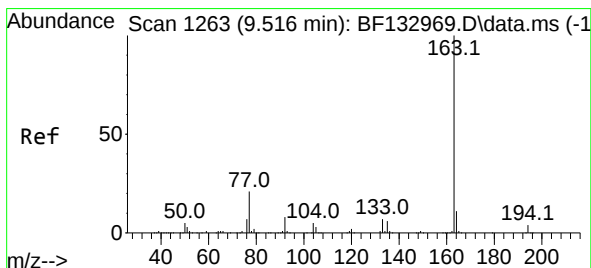
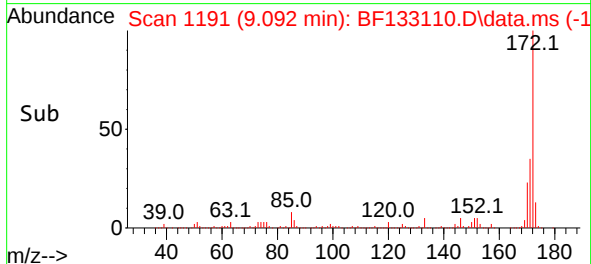
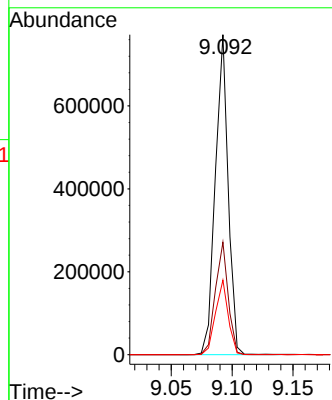
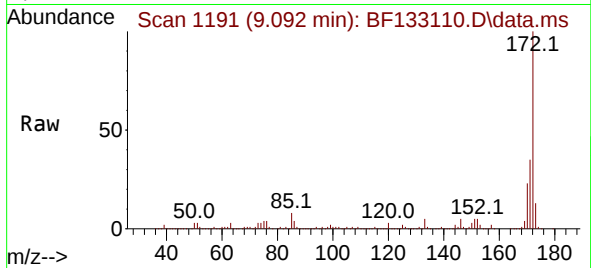




#45
2-Fluorobiphenyl
Concen: 13.378 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

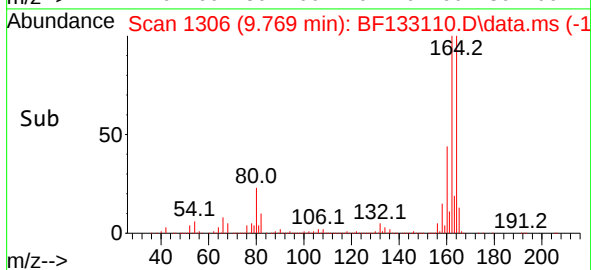
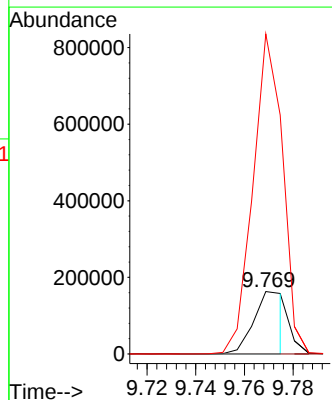
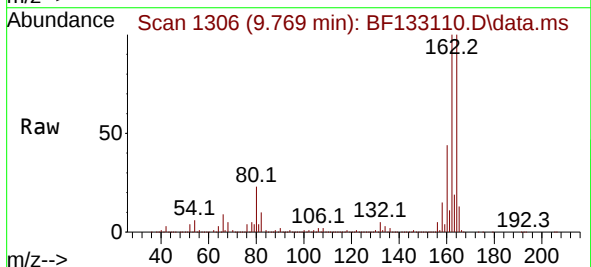
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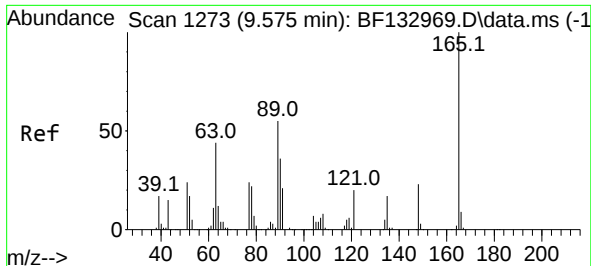
Tgt Ion:172 Resp: 568297
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.3 19.4 29.2



#50
Dimethylphthalate
Concen: 2.876 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.265 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

Tgt Ion:163 Resp: 142498
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 512.6 8.5 12.7#

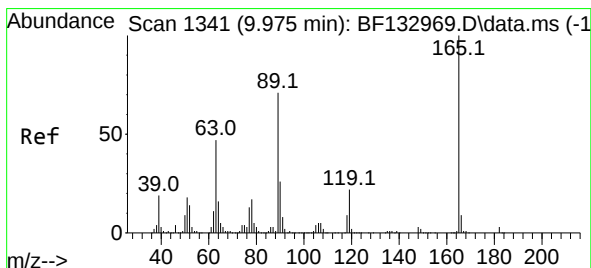
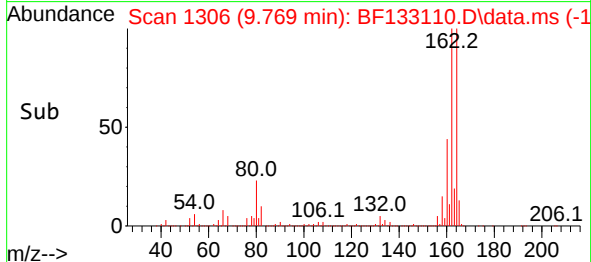
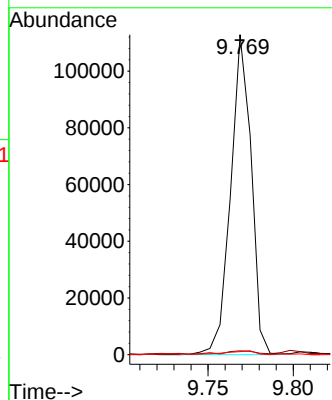
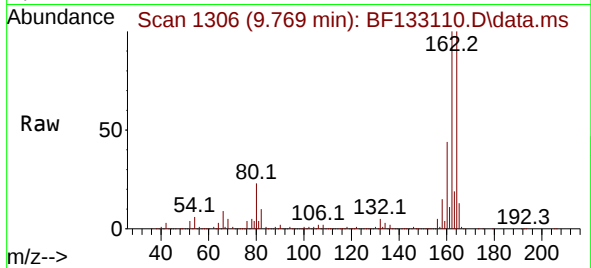




#51
2,6-Dinitrotoluene
Concen: 8.499 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.206 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

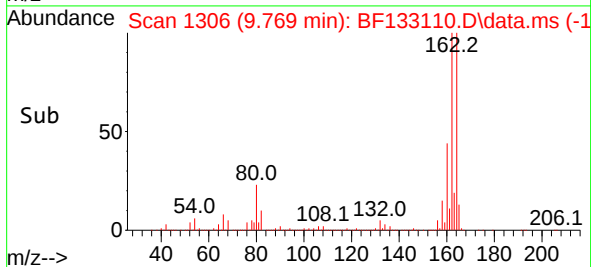
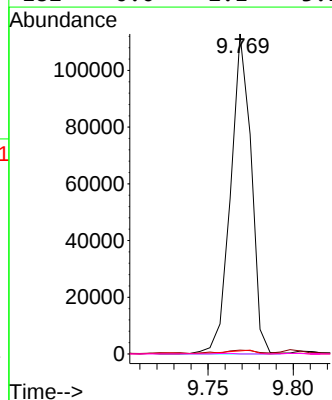
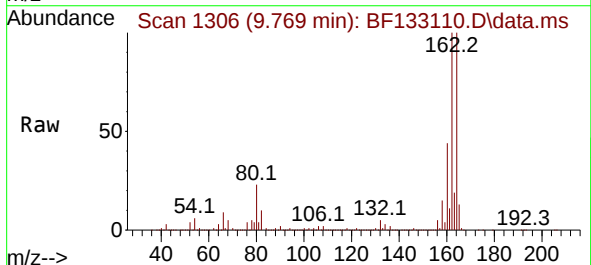
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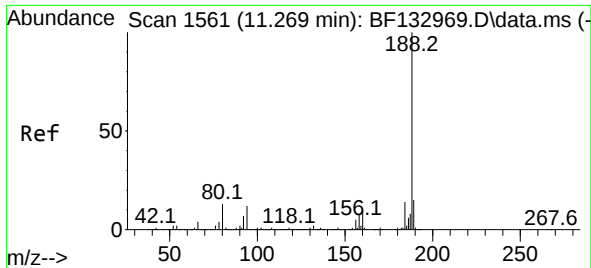
Tgt Ion:165 Resp: 94794
Ion Ratio Lower Upper
165 100
63 1.2 45.9 68.9#
89 1.0 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.664 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.194 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

Tgt Ion:165 Resp: 94794
Ion Ratio Lower Upper
165 100
63 1.2 37.7 56.5#
89 1.0 57.0 85.4#
182 0.0 2.1 3.1#

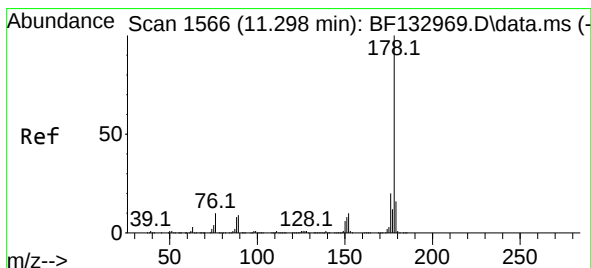
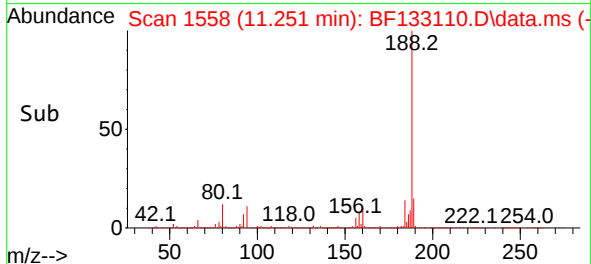
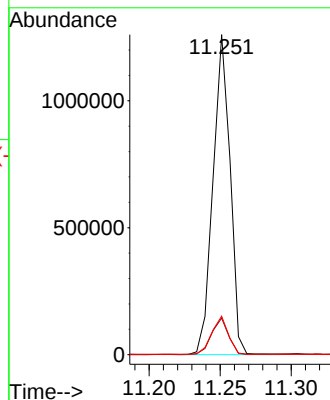
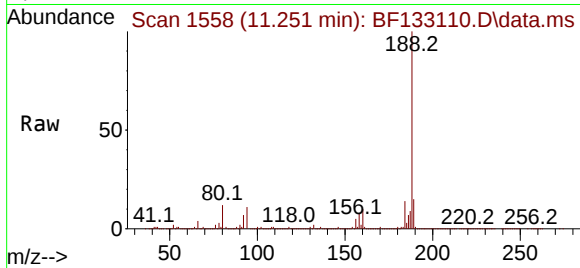




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

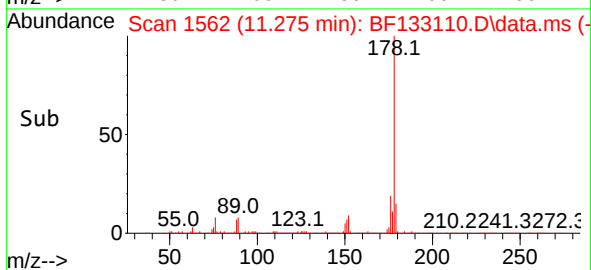
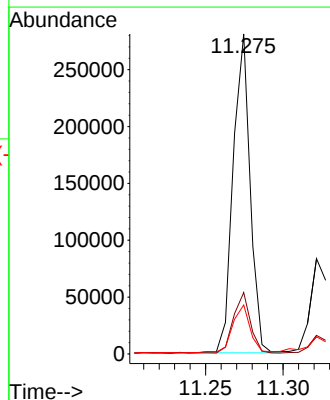
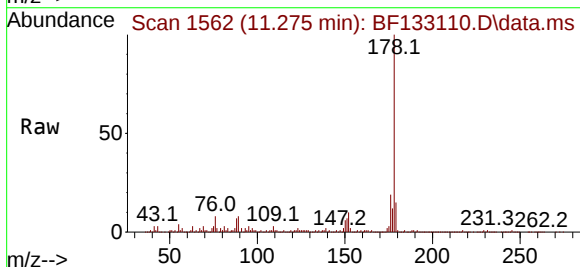
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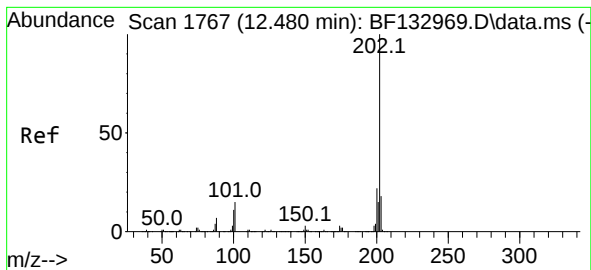
Tgt Ion:188 Resp: 1054159
Ion Ratio Lower Upper
188 100
94 11.5 9.7 14.5
80 12.0 10.4 15.6



#71
Phenanthrene
Concen: 3.774 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

Tgt Ion:178 Resp: 213854
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.3 12.5 18.7





#75

Fluoranthene

Concen: 5.886 ng

RT: 12.463 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133110.D

Acq: 27 Apr 2023 20:27

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18

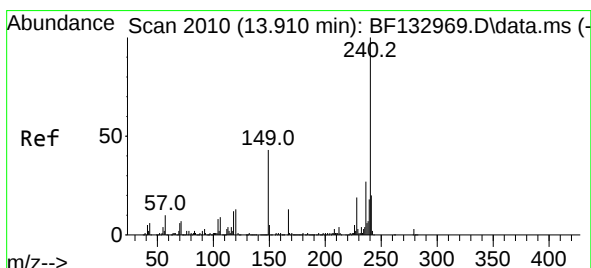
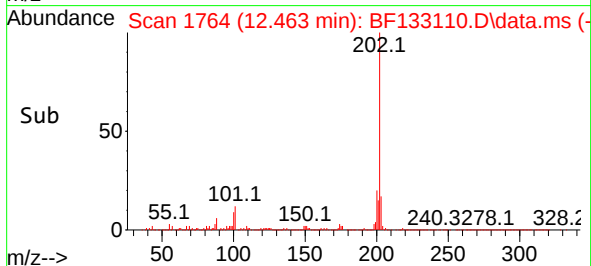
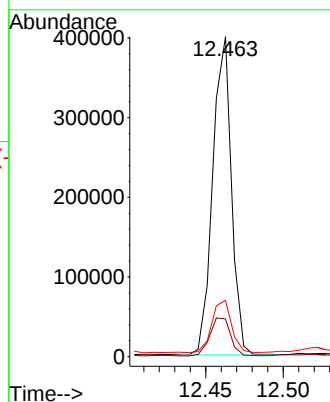
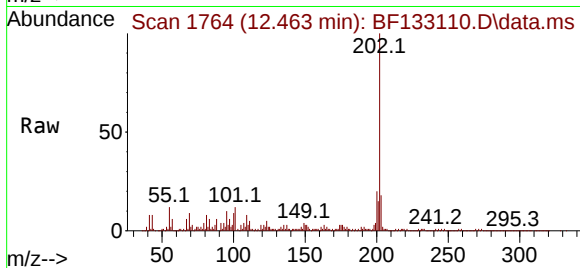
Tgt Ion:202 Resp: 334706

Ion Ratio Lower Upper

202 100

101 11.8 0.0 35.3

203 17.6 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.892 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BF133110.D

Acq: 27 Apr 2023 20:27

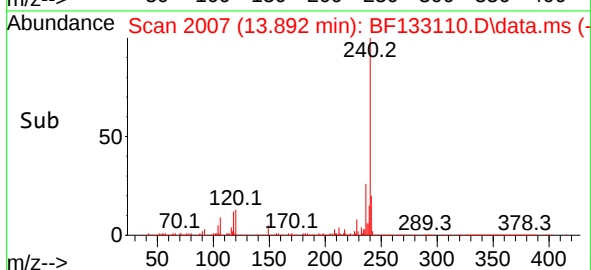
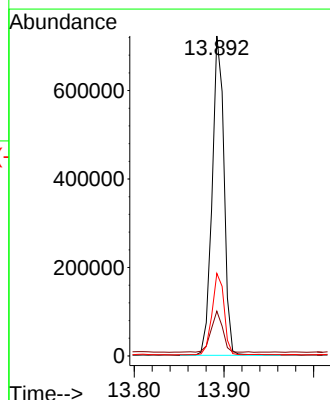
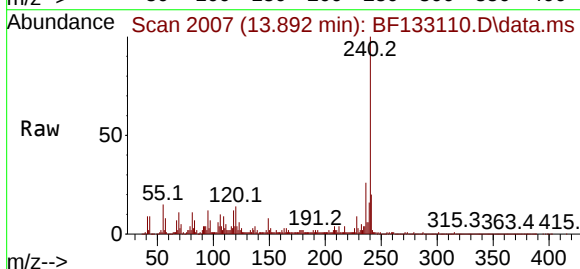
Tgt Ion:240 Resp: 664374

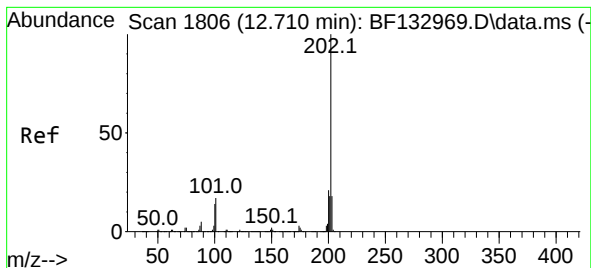
Ion Ratio Lower Upper

240 100

120 14.0 10.5 15.7

236 25.8 21.5 32.3





#78

Pyrene

Concen: 5.714 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.012 min

Lab File: BF133110.D

Acq: 27 Apr 2023 20:27

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18

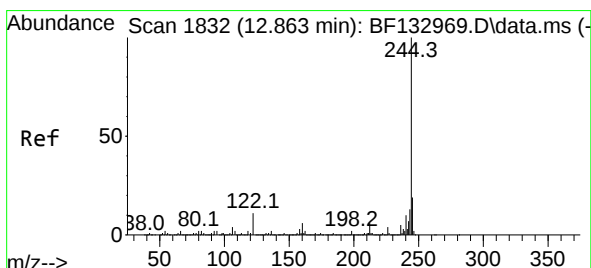
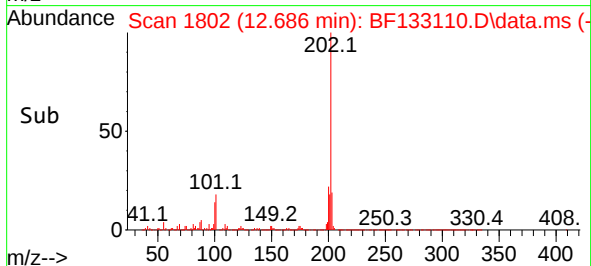
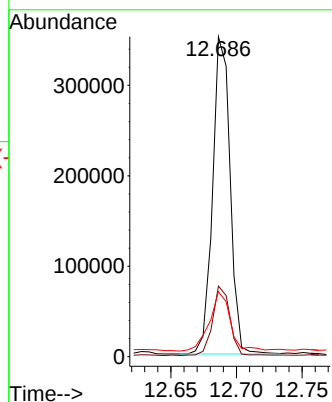
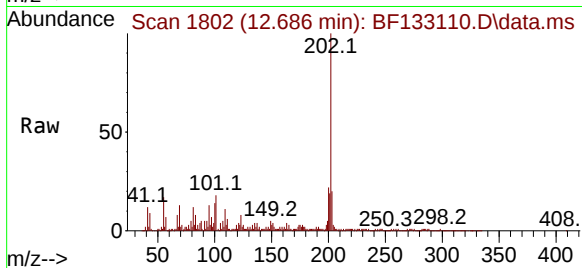
Tgt Ion:202 Resp: 325419

Ion Ratio Lower Upper

202 100

200 22.1 17.1 25.7

203 20.3 14.1 21.1



#79

Terphenyl-d14

Concen: 10.597 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF133110.D

Acq: 27 Apr 2023 20:27

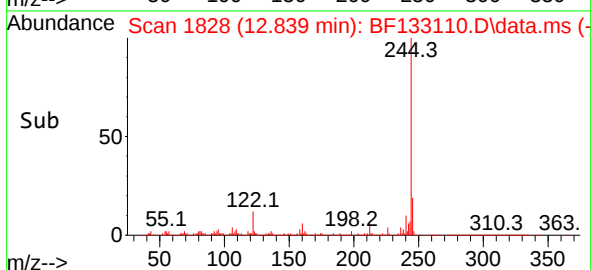
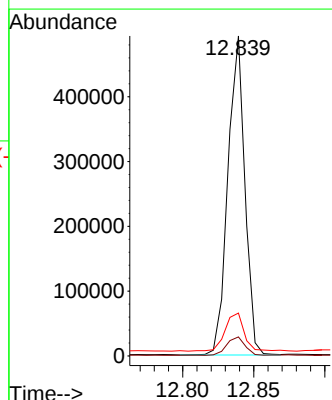
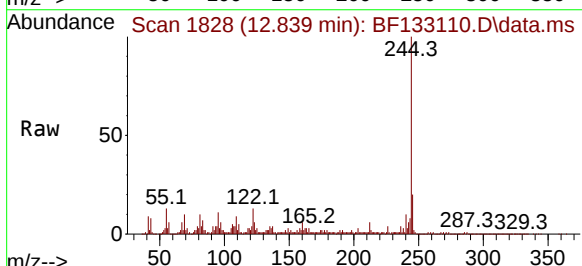
Tgt Ion:244 Resp: 408219

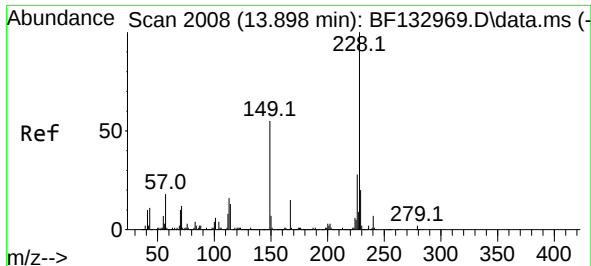
Ion Ratio Lower Upper

244 100

212 6.0 5.1 7.7

122 13.4 8.6 13.0#

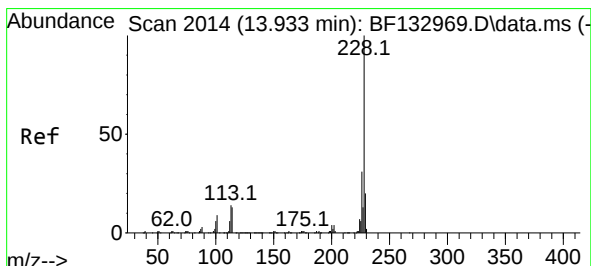
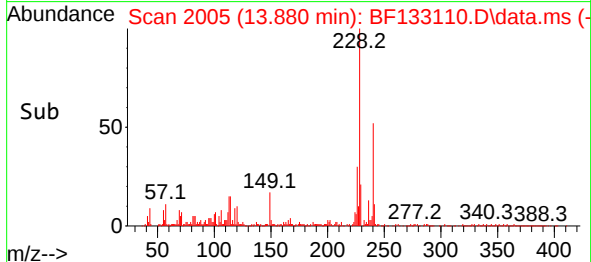
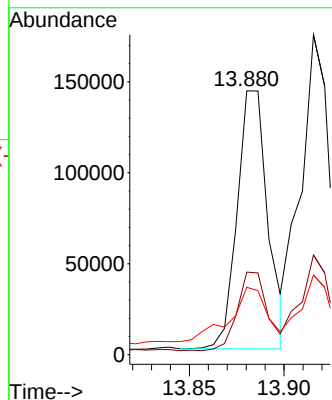
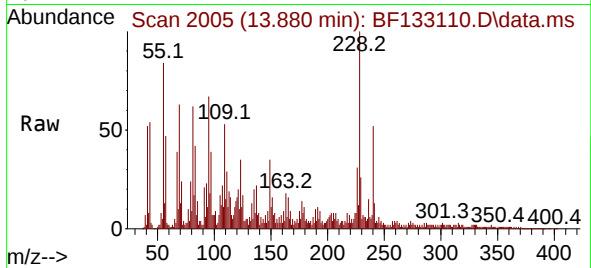




#81
Benzo(a)anthracene
Concen: 3.498 ng
RT: 13.880 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

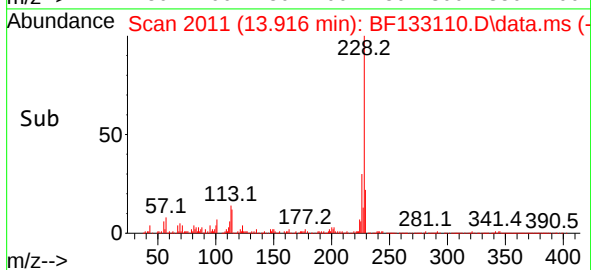
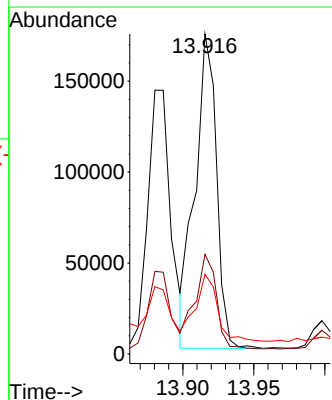
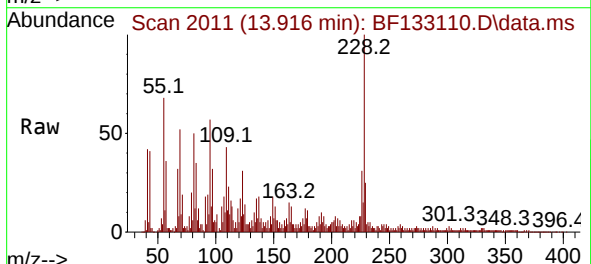
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18

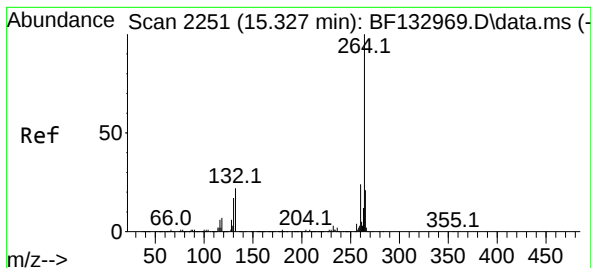
Tgt Ion:228 Resp: 159802
Ion Ratio Lower Upper
228 100
226 31.3 22.2 33.4
229 25.5 16.0 24.0#



#83
Chrysene
Concen: 3.984 ng
RT: 13.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

Tgt Ion:228 Resp: 181953
Ion Ratio Lower Upper
228 100
226 31.2 24.7 37.1
229 24.9 16.1 24.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.333 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF133110.D

Acq: 27 Apr 2023 20:27

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18

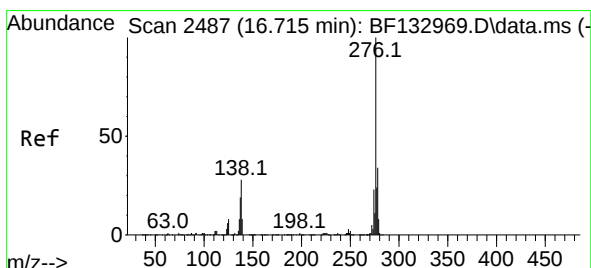
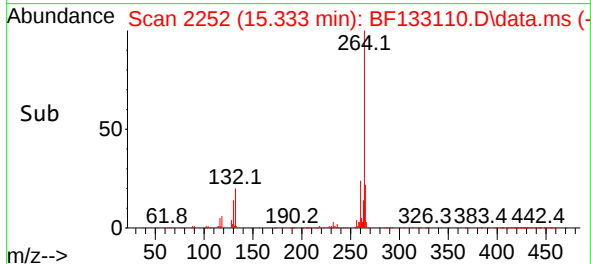
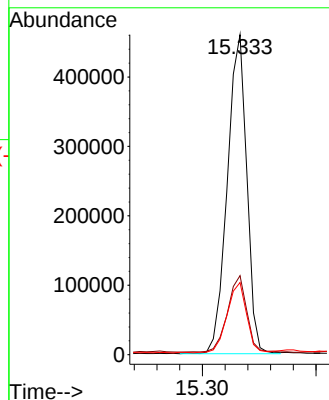
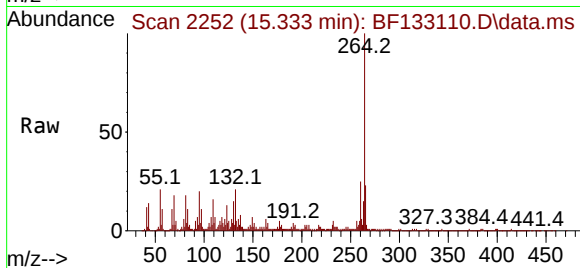
Tgt Ion:264 Resp: 546175

Ion Ratio Lower Upper

264 100

260 24.7 18.8 28.2

265 22.5 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.097 ng

RT: 16.715 min Scan# 2487

Delta R.T. 0.018 min

Lab File: BF133110.D

Acq: 27 Apr 2023 20:27

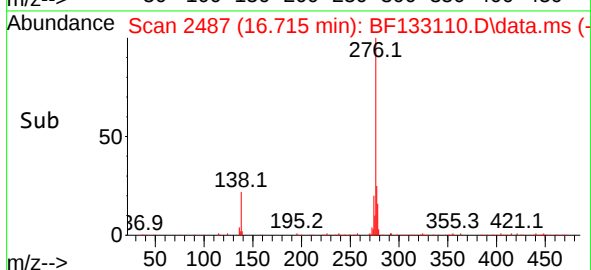
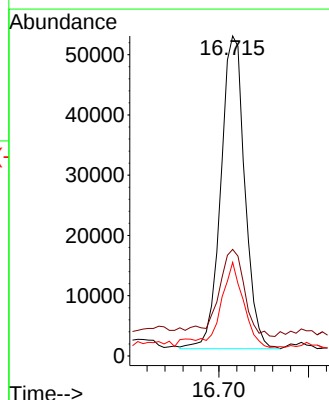
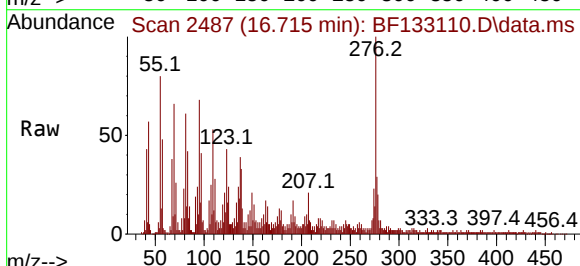
Tgt Ion:276 Resp: 96229

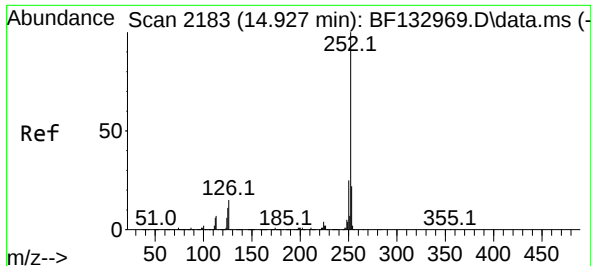
Ion Ratio Lower Upper

276 100

138 30.4 25.5 38.3

277 24.9 20.4 30.6

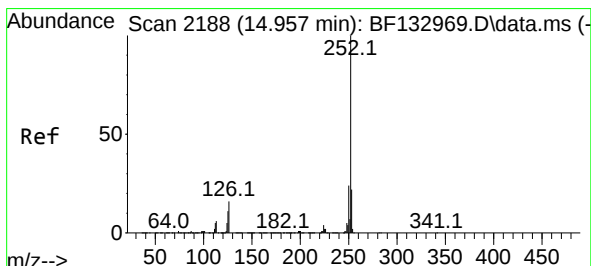
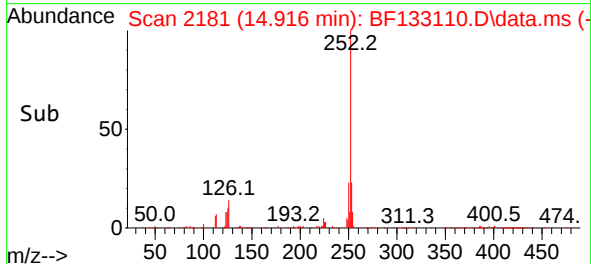
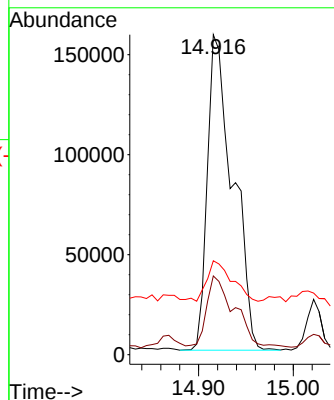
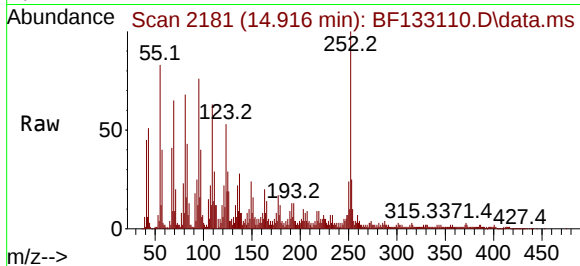




#88
Benzo(b)fluoranthene
Concen: 8.508 ng
RT: 14.916 min Scan# 2181
Delta R.T. 0.006 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

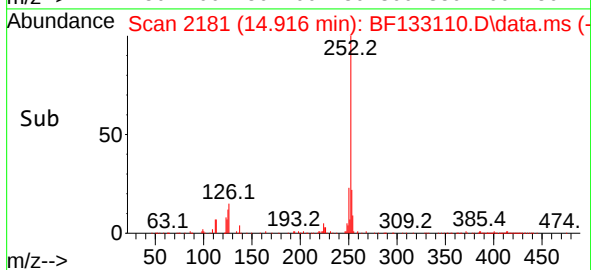
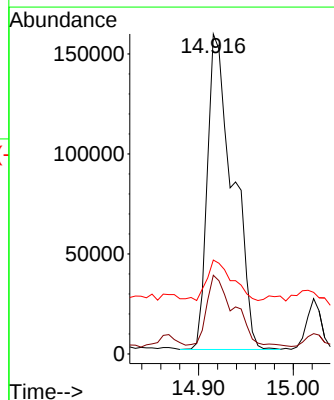
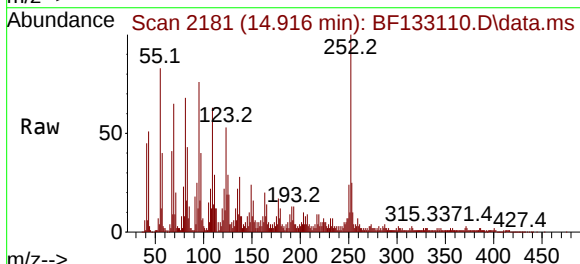
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18

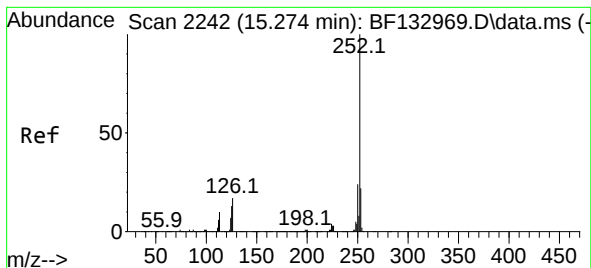
Tgt Ion:252 Resp: 295622
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 29.3 8.9 13.3#



#89
Benzo(k)fluoranthene
Concen: 8.583 ng
RT: 14.916 min Scan# 2181
Delta R.T. -0.024 min
Lab File: BF133110.D
Acq: 27 Apr 2023 20:27

Tgt Ion:252 Resp: 295622
Ion Ratio Lower Upper
252 100
253 24.6 17.7 26.5
125 29.3 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 3.942 ng

RT: 15.268 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133110.D

Acq: 27 Apr 2023 20:27

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18

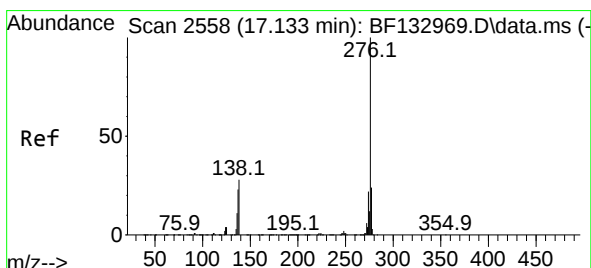
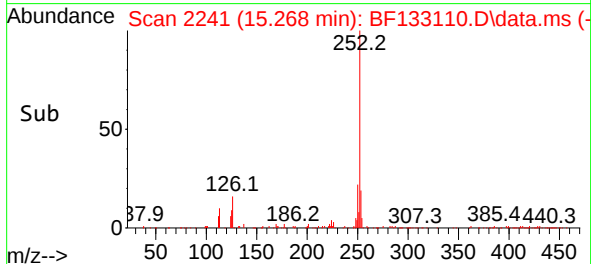
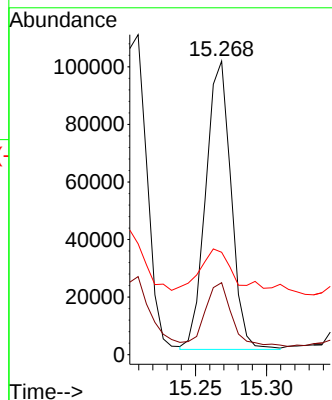
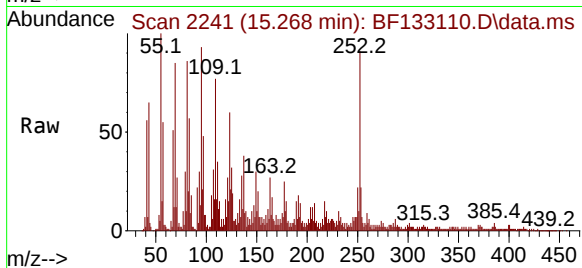
Tgt Ion:252 Resp: 124660

Ion Ratio Lower Upper

252 100

253 24.5 17.7 26.5

125 34.9 10.5 15.7#



#92

Benzo(g,h,i)perylene

Concen: 4.002 ng

RT: 17.133 min Scan# 2558

Delta R.T. 0.018 min

Lab File: BF133110.D

Acq: 27 Apr 2023 20:27

Tgt Ion:276 Resp: 102378

Ion Ratio Lower Upper

276 100

277 24.4 19.4 29.0

138 28.8 22.7 34.1

