

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042823\
 Data File : BF133145.D
 Acq On : 29 Apr 2023 03:44
 Operator : CG\JU
 Sample : 02423-11RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: May 01 03:12:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 01 03:03:04 2023
 Response via : Initial Calibration

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

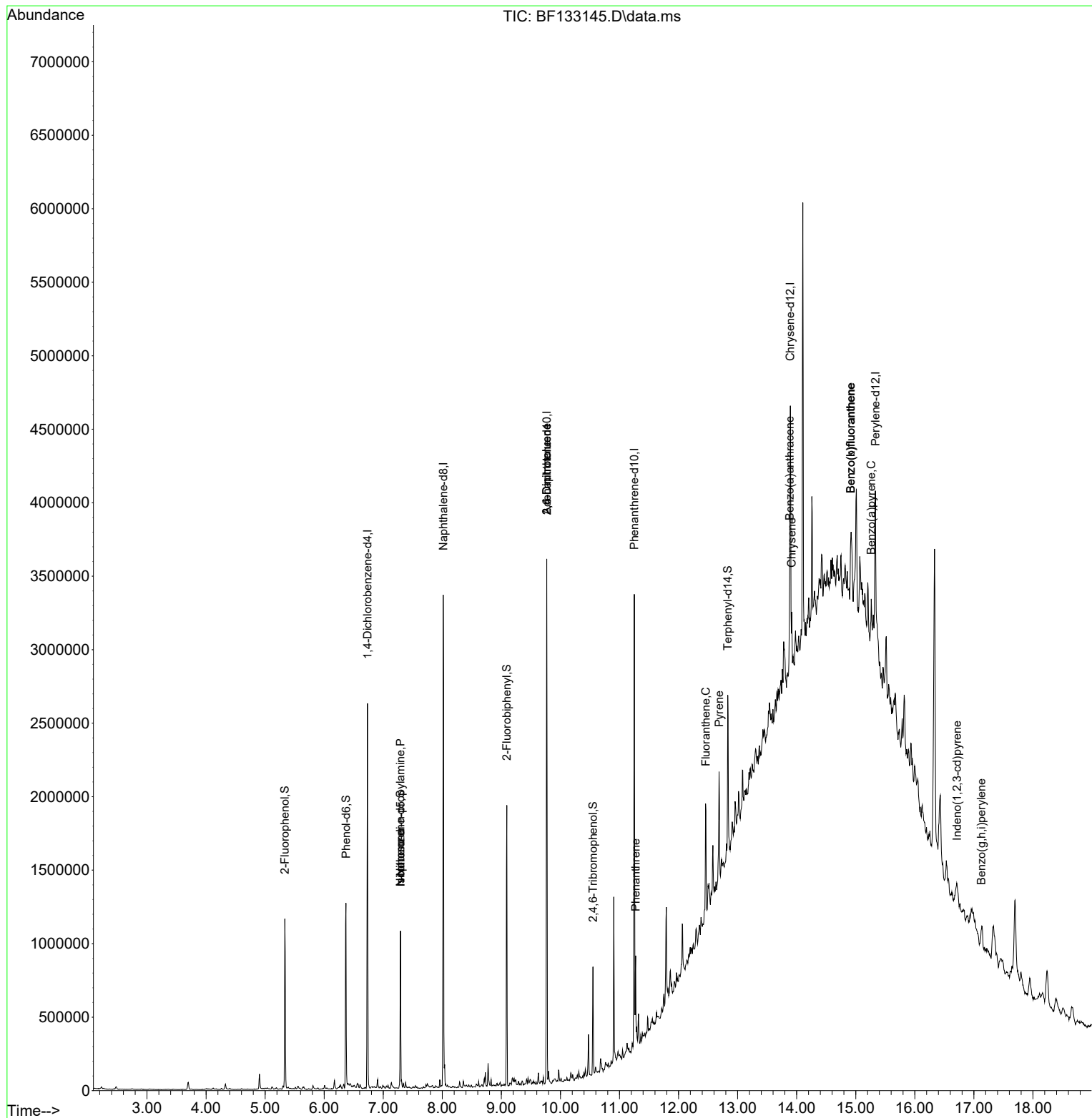
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	338337	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	1366046	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	676259	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	1037794	20.000	ng	0.00
76) Chrysene-d12	13.892	240	657348	20.000	ng	0.00
86) Perylene-d12	15.333	264	603348	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	316970	14.152	ng	0.00
7) Phenol-d6	6.369	99	391787	14.093	ng	-0.01
23) Nitrobenzene-d5	7.292	82	264471	10.450	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	70471	10.362	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	512195	12.671	ng	0.00
79) Terphenyl-d14	12.833	244	391469	10.271	ng	0.00
Target Compounds						
9) Benzaldehyde	6.275	77	5852	Below Cal		Qvalue 93
19) n-Nitroso-di-n-propyla...	7.292	70	35765	2.067 ng	#	77
25) Isophorone	7.292	82	263926	5.493 ng	#	62
51) 2,6-Dinitrotoluene	9.769	165	90065	8.486 ng	#	25
57) 2,4-Dinitrotoluene	9.769	165	90065	6.654 ng	#	23
71) Phenanthrene	11.275	178	214824	3.851 ng		99
75) Fluoranthene	12.463	202	320021	5.717 ng		95
78) Pyrene	12.686	202	326549	5.795 ng		98
81) Benzo(a)anthracene	13.880	228	161661	3.576 ng		93
83) Chrysene	13.916	228	175172	3.876 ng		96
87) Indeno(1,2,3-cd)pyrene	16.715	276	98654	2.875 ng		97
88) Benzo(b)fluoranthene	14.915	252	321238	8.369 ng	#	79
89) Benzo(k)fluoranthene	14.915	252	321238	8.443 ng	#	79
90) Benzo(a)pyrene	15.263	252	137990	3.950 ng	#	75
92) Benzo(g,h,i)perylene	17.127	276	97927	3.465 ng		95

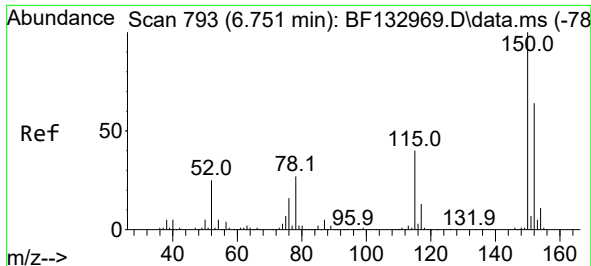
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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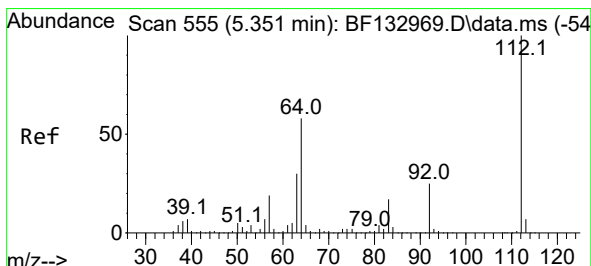
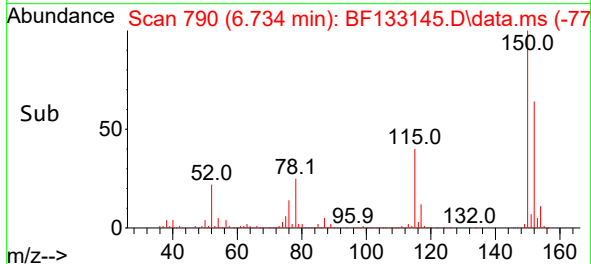
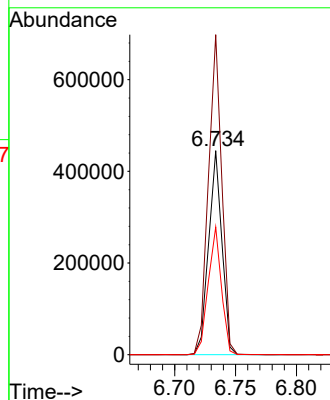
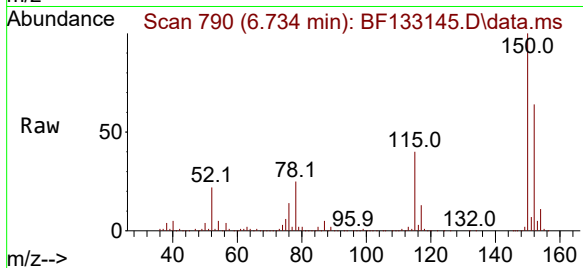




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133145.D
Acq: 29 Apr 2023 03:44

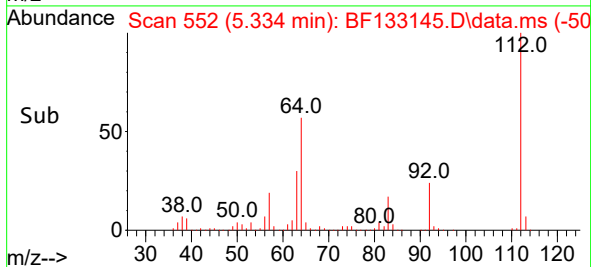
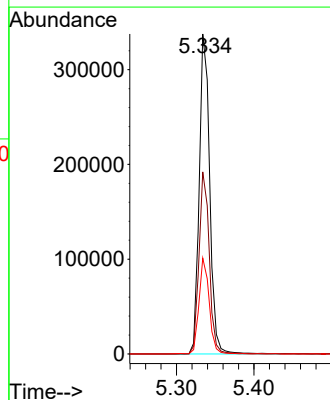
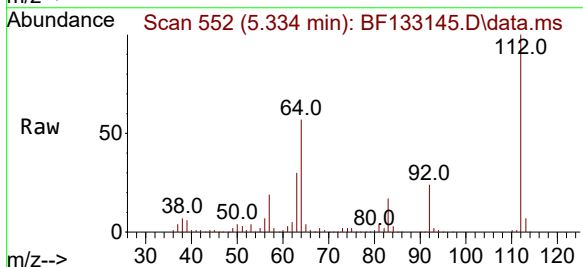
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18RE

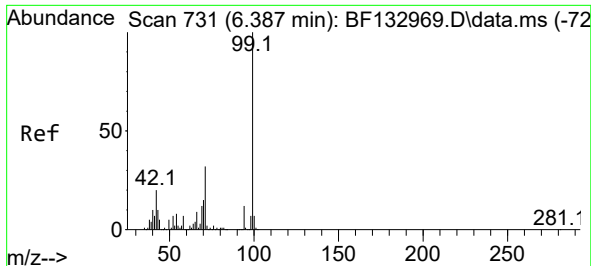
Tgt Ion:152 Resp: 338337
Ion Ratio Lower Upper
152 100
150 156.9 124.8 187.2
115 62.6 49.9 74.9



#5
2-Fluorophenol
Concen: 14.152 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF133145.D
Acq: 29 Apr 2023 03:44

Tgt Ion:112 Resp: 316970
Ion Ratio Lower Upper
112 100
64 56.9 46.8 70.2
63 29.9 23.8 35.8

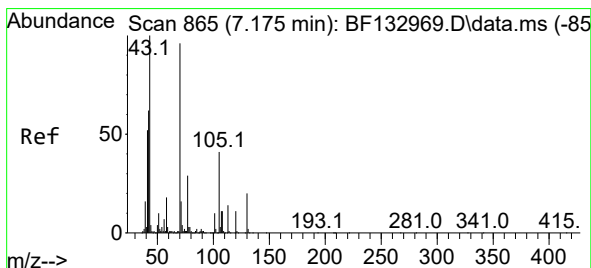
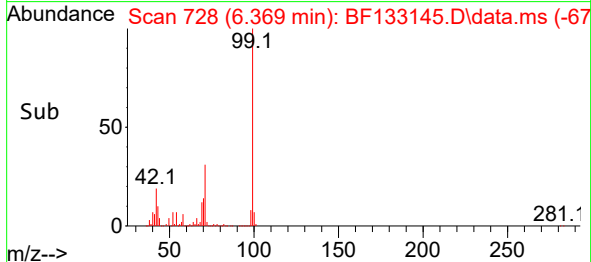
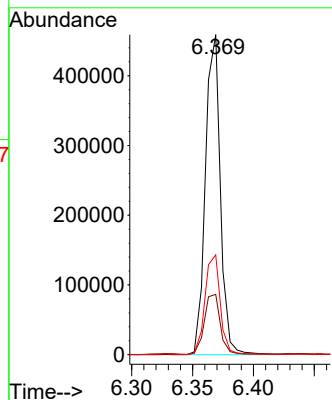
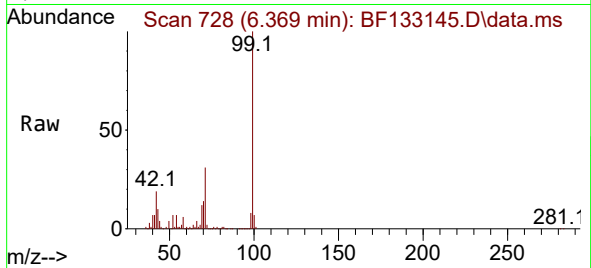




#7
Phenol-d6
Concen: 14.093 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133145.D
Acq: 29 Apr 2023 03:44

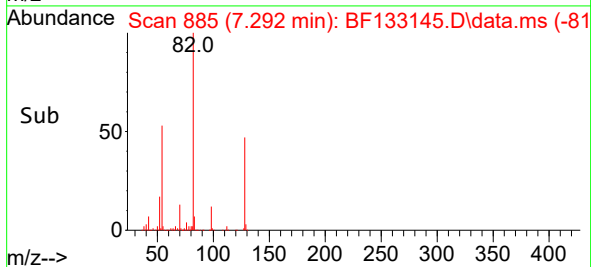
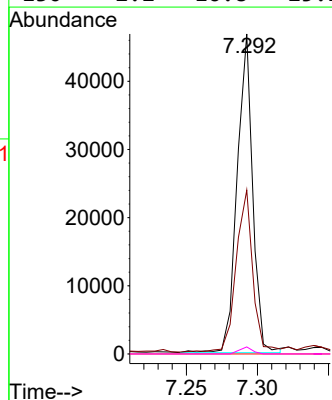
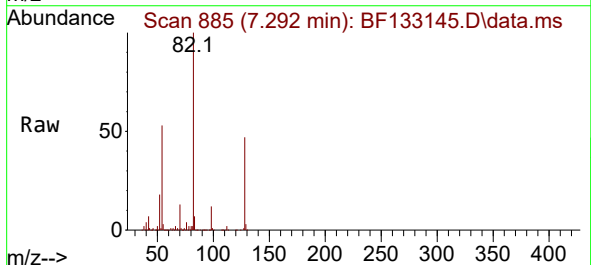
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18RE

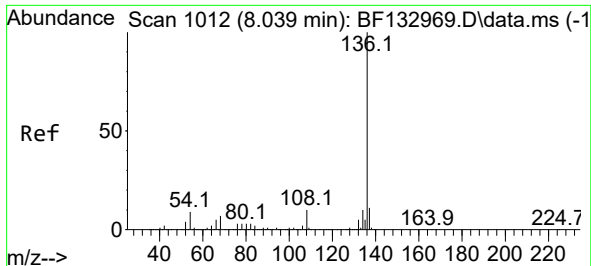
Tgt Ion: 99 Resp: 391787
Ion Ratio Lower Upper
99 100
42 18.9 16.3 24.5
71 31.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.067 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.135 min
Lab File: BF133145.D
Acq: 29 Apr 2023 03:44

Tgt Ion: 70 Resp: 35765
Ion Ratio Lower Upper
70 100
42 51.2 51.8 77.6#
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#

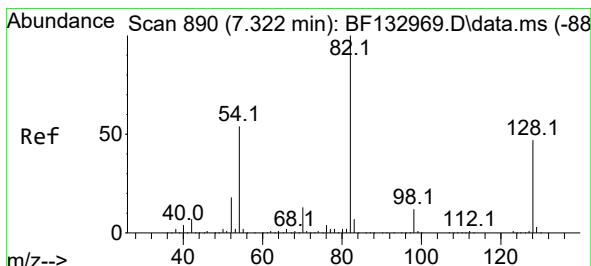
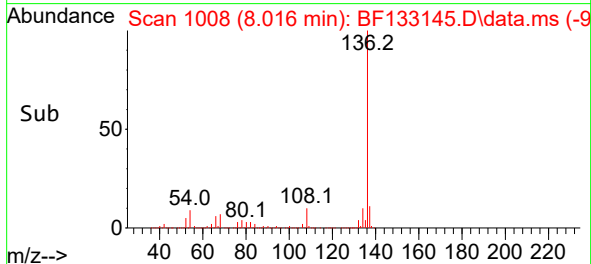
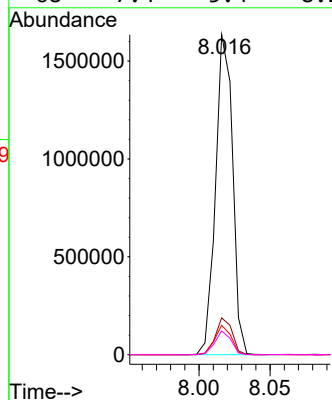
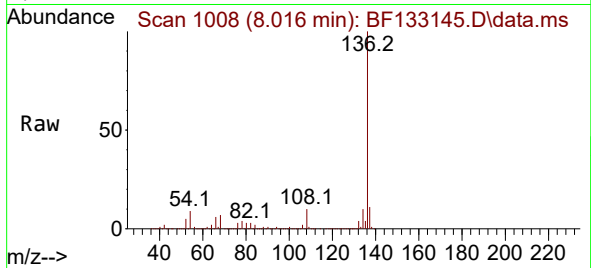




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133145.D
Acq: 29 Apr 2023 03:44

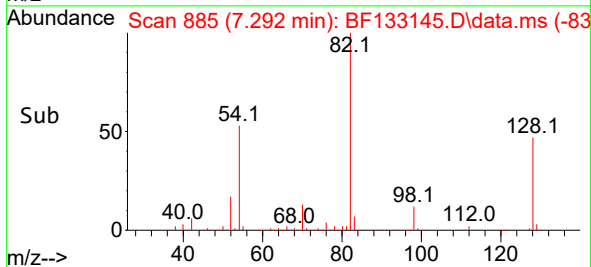
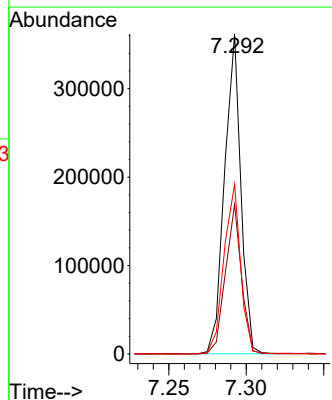
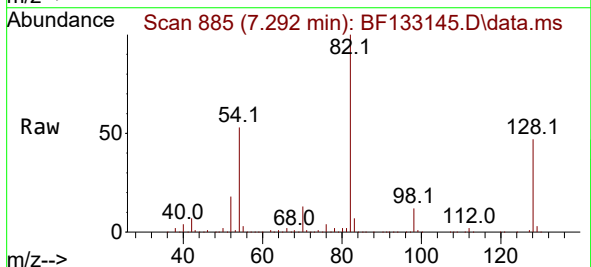
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18RE

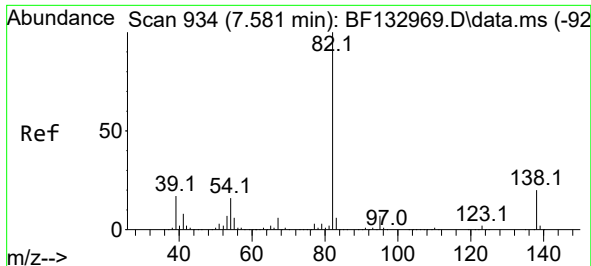
Tgt Ion:136 Resp: 1366046
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 9.2 7.0 10.4
68 7.4 5.4 8.2



#23
Nitrobenzene-d5
Concen: 10.450 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF133145.D
Acq: 29 Apr 2023 03:44

Tgt Ion: 82 Resp: 264471
Ion Ratio Lower Upper
82 100
128 46.7 37.7 56.5
54 53.0 43.0 64.4

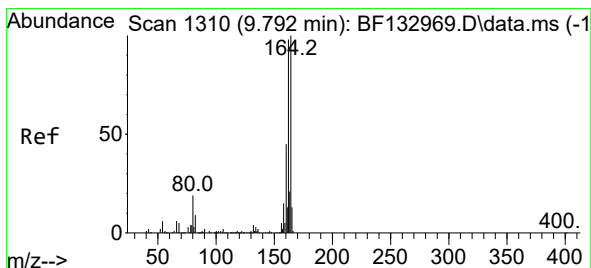
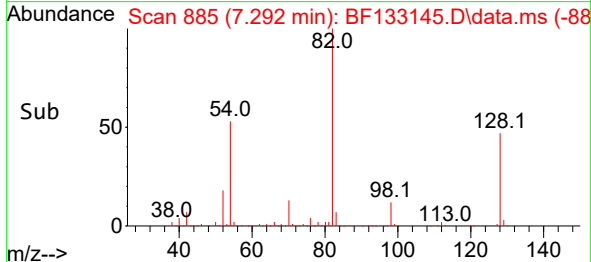
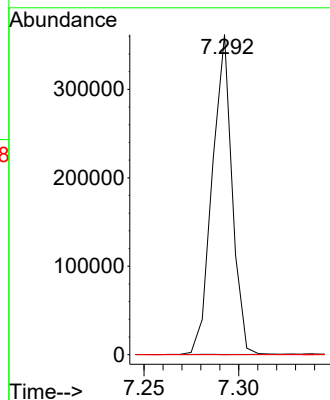
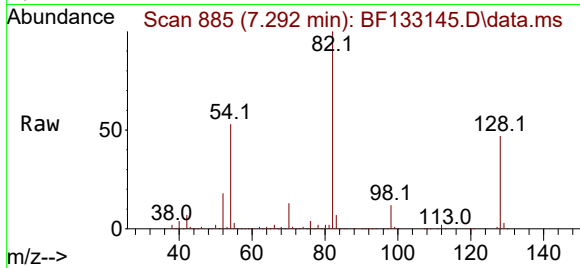




#25
Isophorone
Concen: 5.493 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF133145.D
Acq: 29 Apr 2023 03:44

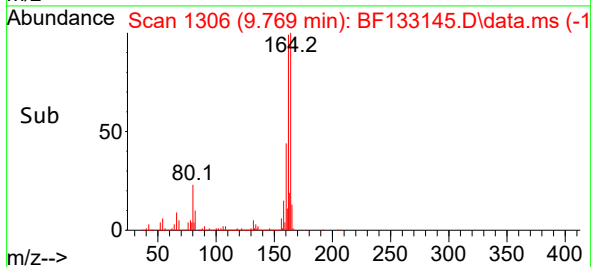
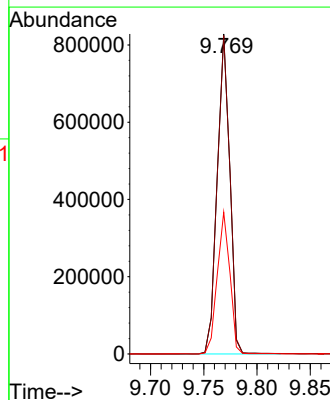
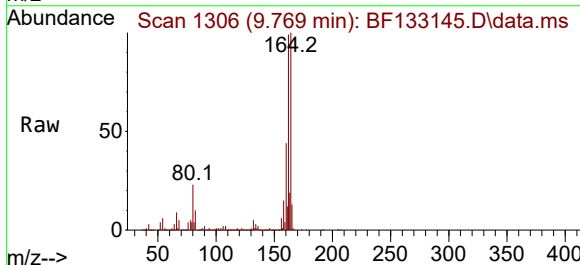
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18RE

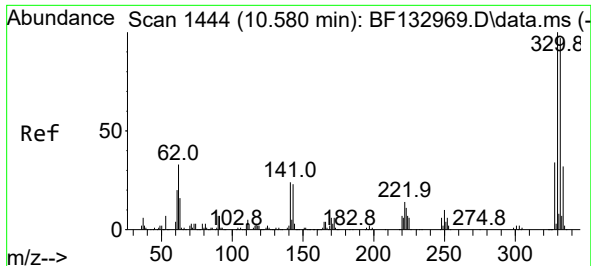
Tgt Ion: 82 Resp: 263926
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF133145.D
Acq: 29 Apr 2023 03:44

Tgt Ion:164 Resp: 676259
Ion Ratio Lower Upper
164 100
162 99.5 78.7 118.1
160 44.3 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 10.362 ng

RT: 10.551 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF133145.D

Acq: 29 Apr 2023 03:44

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18RE

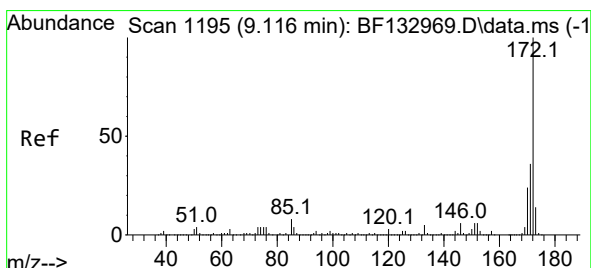
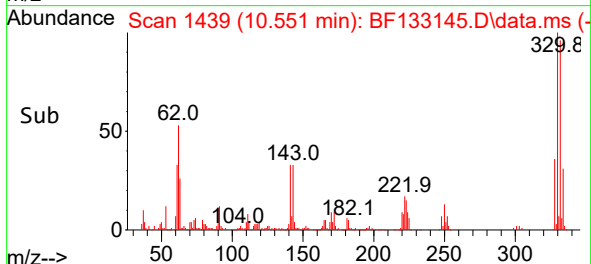
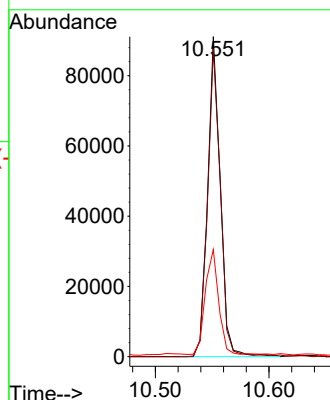
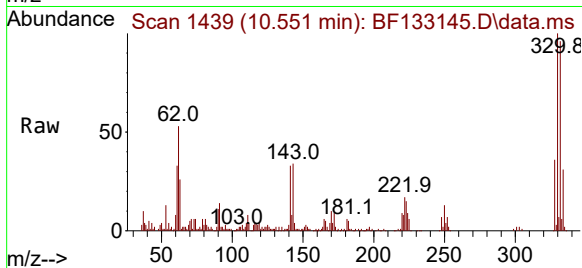
Tgt Ion:330 Resp: 70471

Ion Ratio Lower Upper

330 100

332 98.0 77.1 115.7

141 34.5 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 12.671 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF133145.D

Acq: 29 Apr 2023 03:44

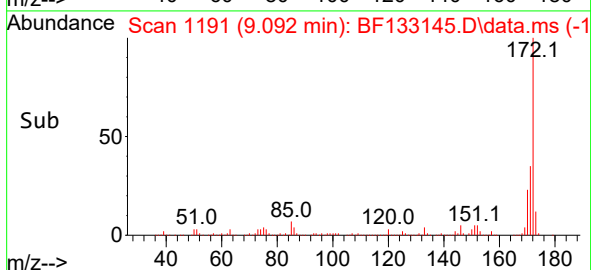
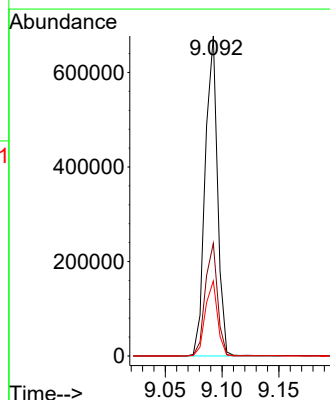
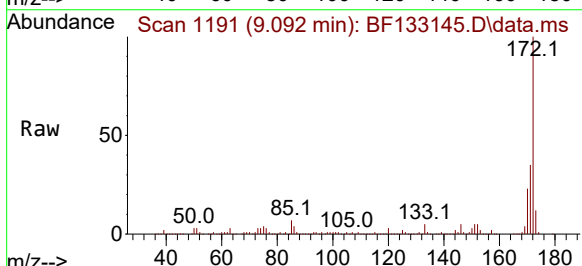
Tgt Ion:172 Resp: 512195

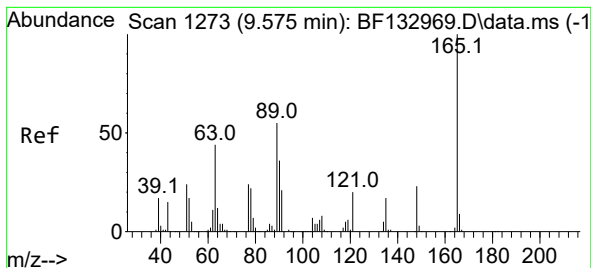
Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.5 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.486 ng

RT: 9.769 min Scan# 1306

Delta R.T. 0.212 min

Lab File: BF133145.D

Acq: 29 Apr 2023 03:44

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18RE

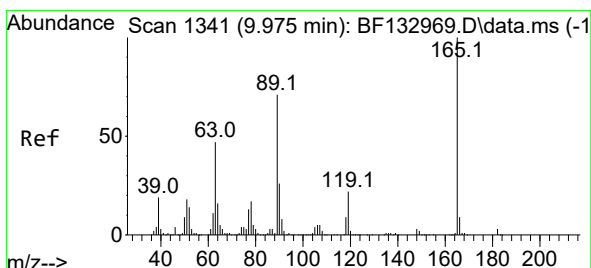
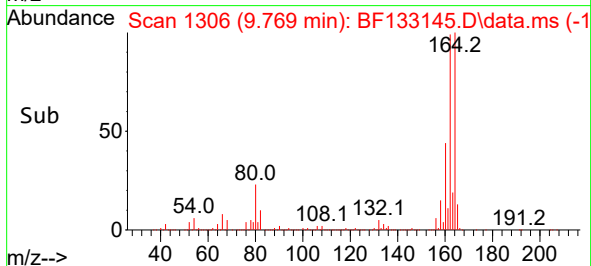
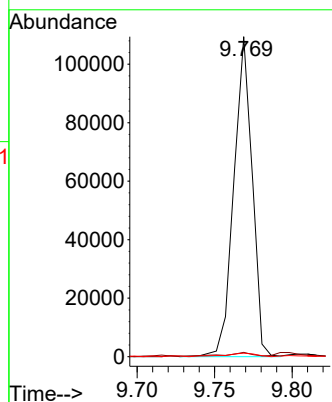
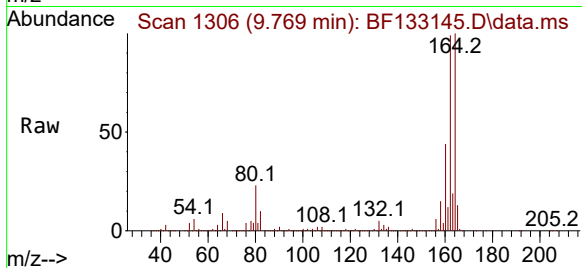
Tgt Ion:165 Resp: 90065

Ion Ratio Lower Upper

165 100

63 1.3 45.9 68.9#

89 1.1 44.0 66.0#



#57

2,4-Dinitrotoluene

Concen: 6.654 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.194 min

Lab File: BF133145.D

Acq: 29 Apr 2023 03:44

Tgt Ion:165 Resp: 90065

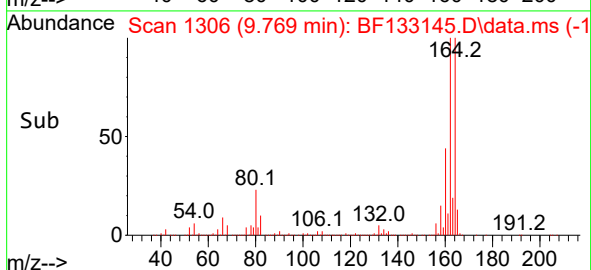
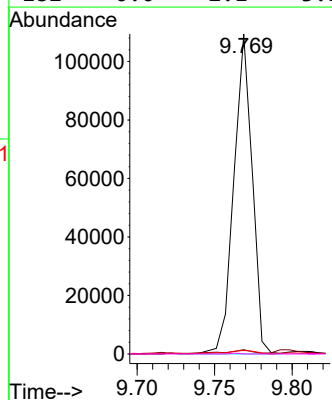
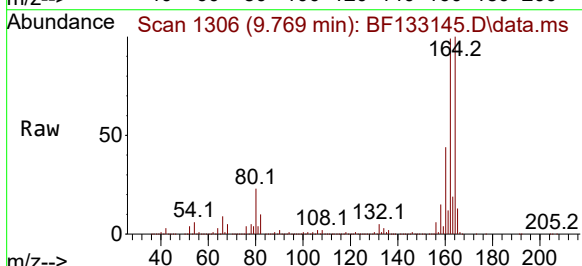
Ion Ratio Lower Upper

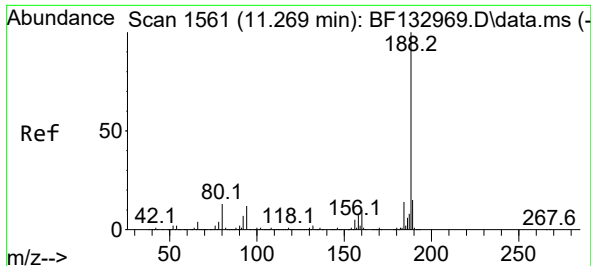
165 100

63 1.3 37.7 56.5#

89 1.1 57.0 85.4#

182 0.0 2.1 3.1#

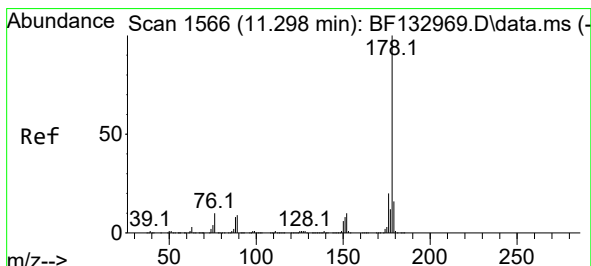
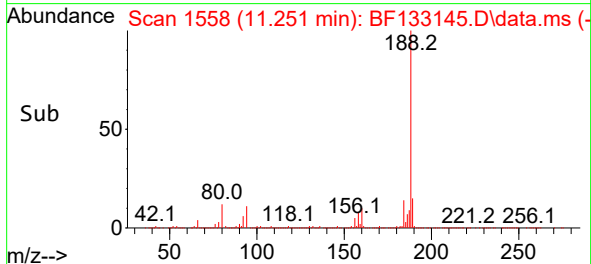
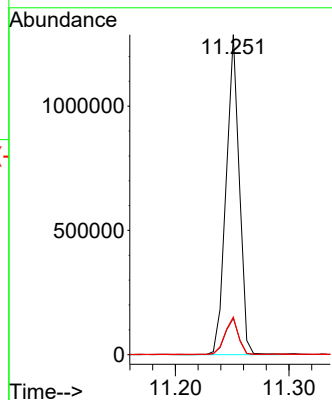
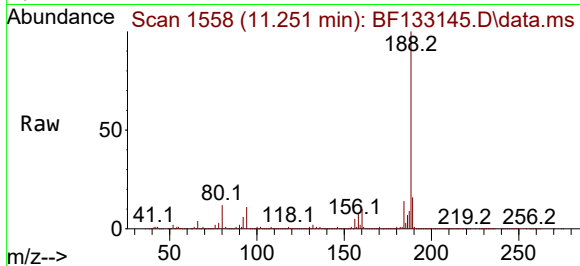




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BF133145.D
Acq: 29 Apr 2023 03:44

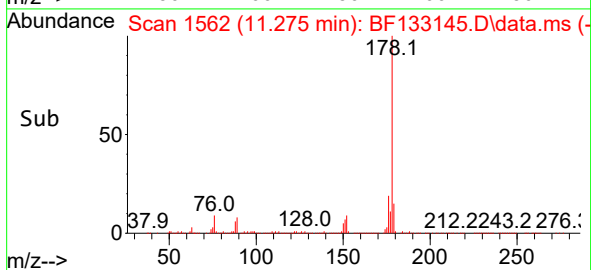
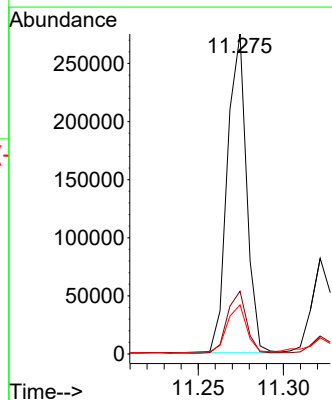
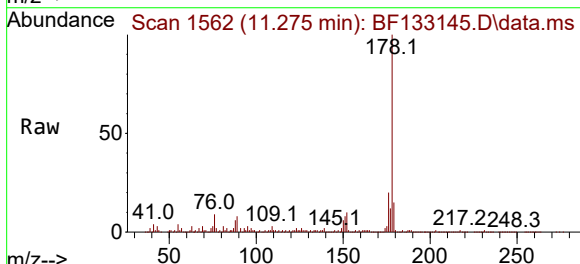
Instrument :
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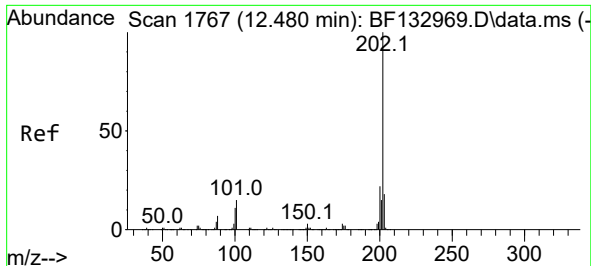
Tgt Ion:188 Resp: 1037794
Ion Ratio Lower Upper
188 100
94 11.4 9.7 14.5
80 11.8 10.4 15.6



#71
Phenanthrene
Concen: 3.851 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF133145.D
Acq: 29 Apr 2023 03:44

Tgt Ion:178 Resp: 214824
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.3 12.5 18.7

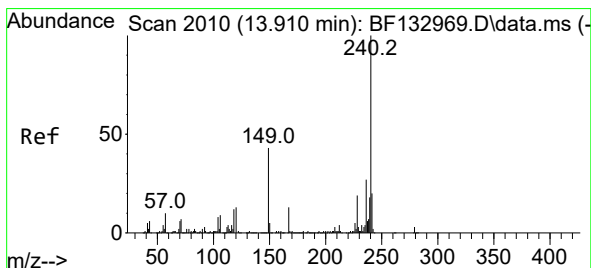
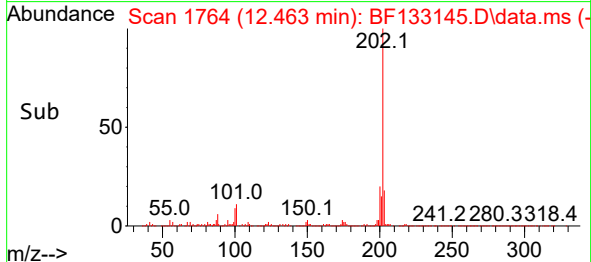
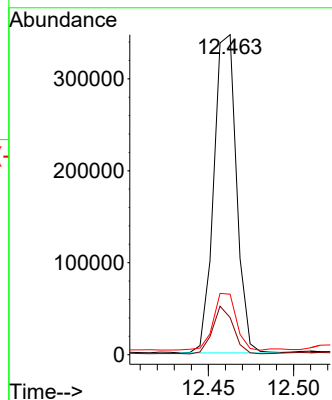
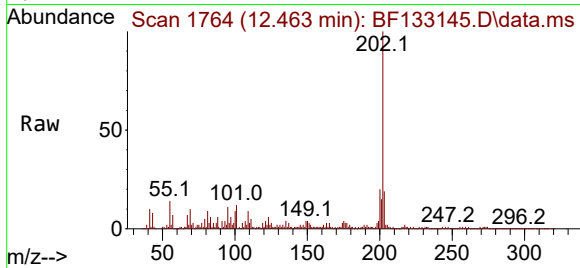




#75
Fluoranthene
Concen: 5.717 ng
RT: 12.463 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF133145.D
Acq: 29 Apr 2023 03:44

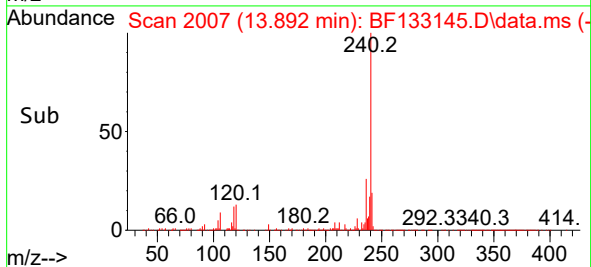
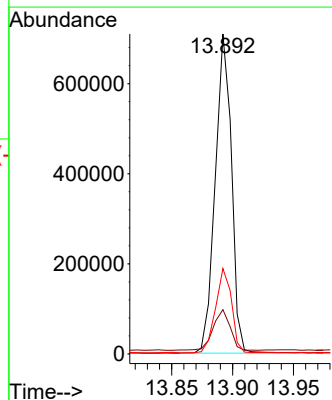
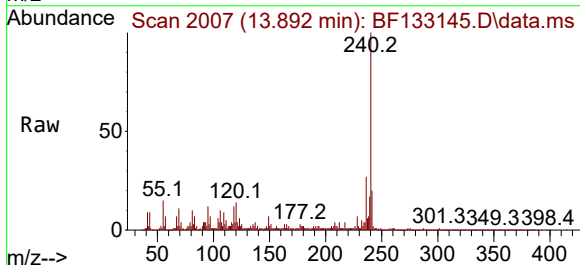
Instrument :
BNA_F
ClientSampleId :
SPE-1WC-23-04-18RE

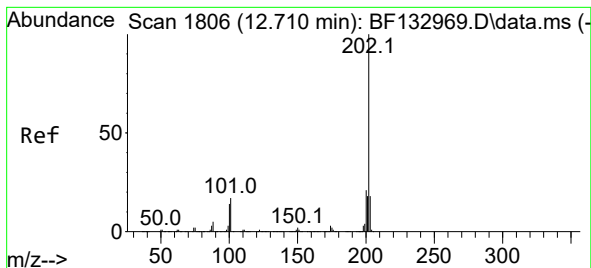
Tgt Ion:202 Resp: 320021
Ion Ratio Lower Upper
202 100
101 11.6 0.0 35.3
203 18.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.892 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BF133145.D
Acq: 29 Apr 2023 03:44

Tgt Ion:240 Resp: 657348
Ion Ratio Lower Upper
240 100
120 13.9 10.5 15.7
236 26.7 21.5 32.3





#78

Pyrene

Concen: 5.795 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF133145.D

Acq: 29 Apr 2023 03:44

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18RE

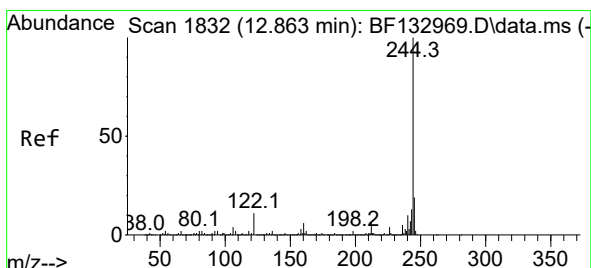
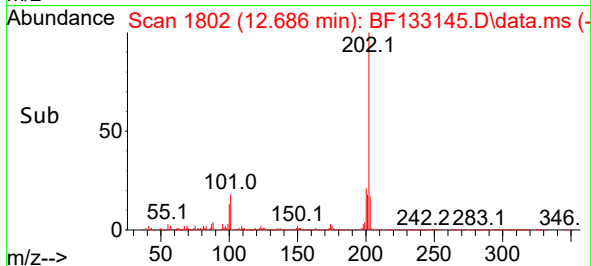
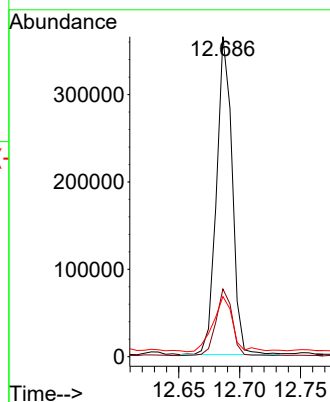
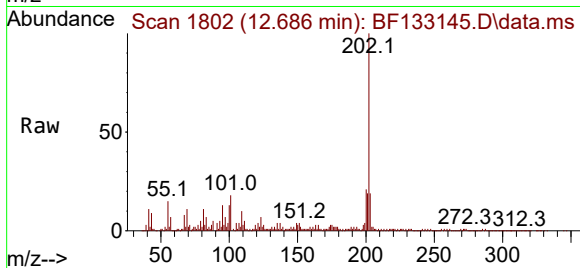
Tgt Ion:202 Resp: 326549

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 18.8 14.1 21.1



#79

Terphenyl-d14

Concen: 10.271 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF133145.D

Acq: 29 Apr 2023 03:44

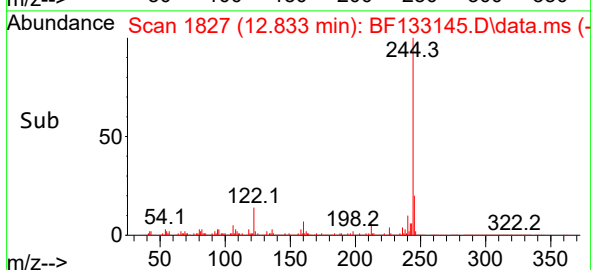
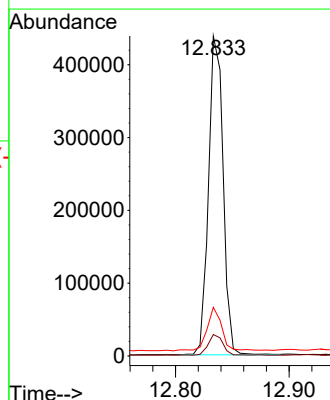
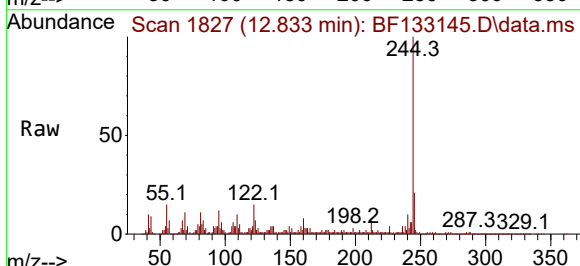
Tgt Ion:244 Resp: 391469

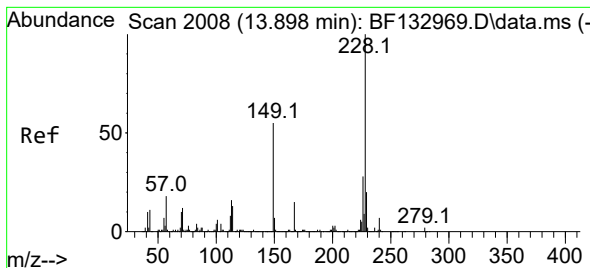
Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 15.2 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 3.576 ng

RT: 13.880 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF133145.D

Acq: 29 Apr 2023 03:44

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18RE

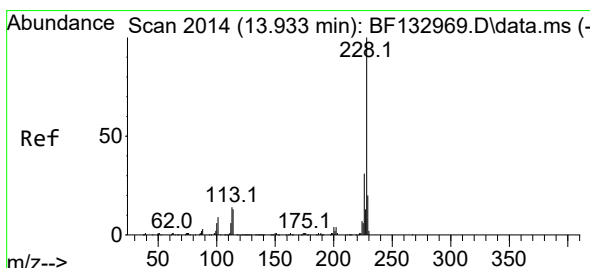
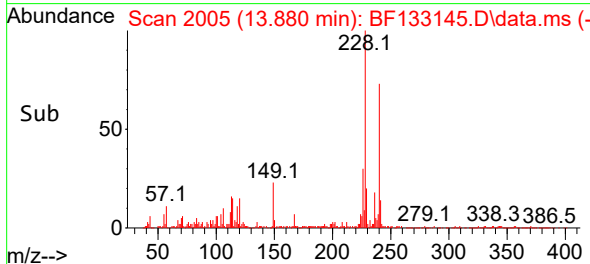
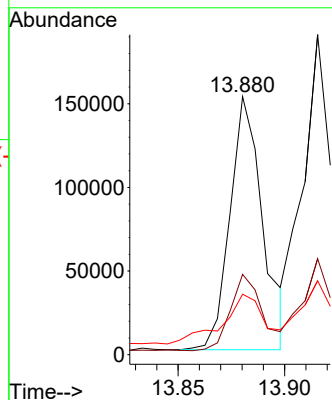
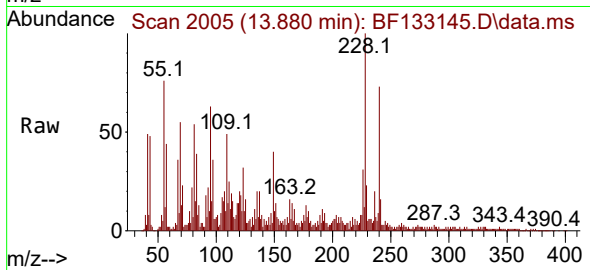
Tgt Ion:228 Resp: 161661

Ion Ratio Lower Upper

228 100

226 31.1 22.2 33.4

229 23.5 16.0 24.0



#83

Chrysene

Concen: 3.876 ng

RT: 13.916 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BF133145.D

Acq: 29 Apr 2023 03:44

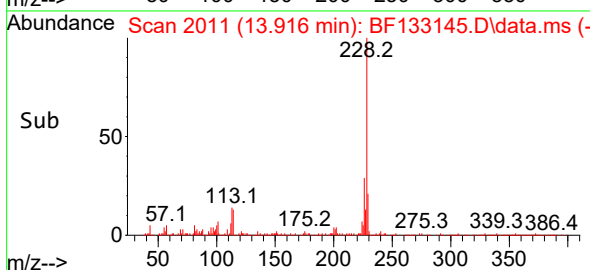
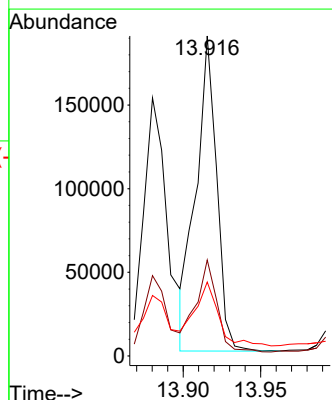
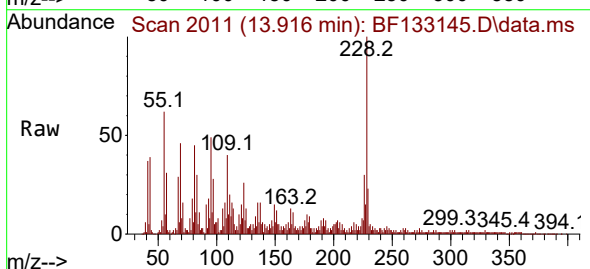
Tgt Ion:228 Resp: 175172

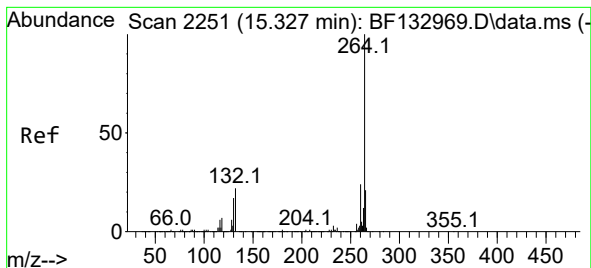
Ion Ratio Lower Upper

228 100

226 30.0 24.7 37.1

229 23.1 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.333 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF133145.D

Acq: 29 Apr 2023 03:44

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18RE

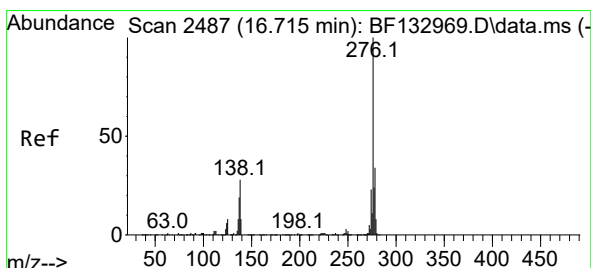
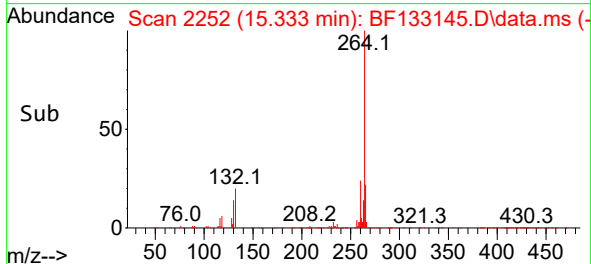
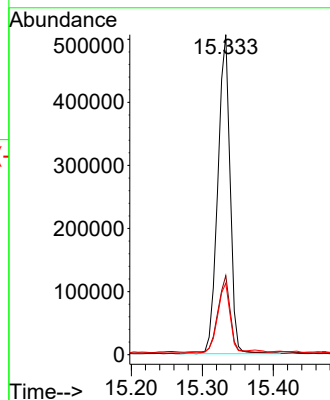
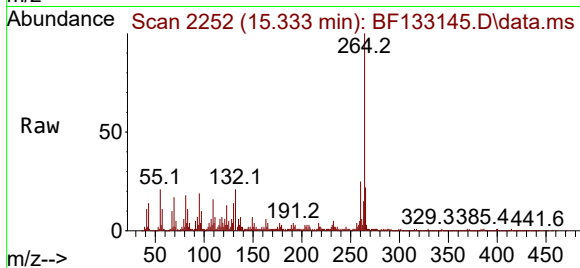
Tgt Ion:264 Resp: 603348

Ion Ratio Lower Upper

264 100

260 24.7 18.8 28.2

265 22.4 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.875 ng

RT: 16.715 min Scan# 2487

Delta R.T. 0.024 min

Lab File: BF133145.D

Acq: 29 Apr 2023 03:44

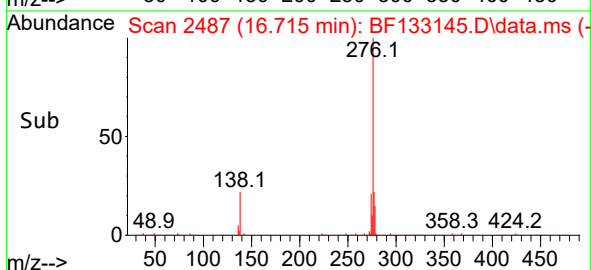
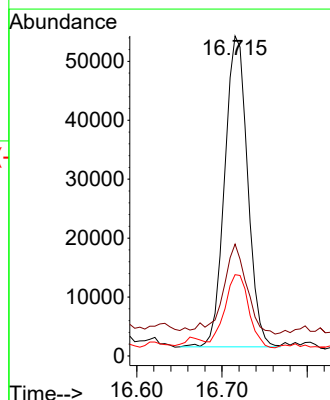
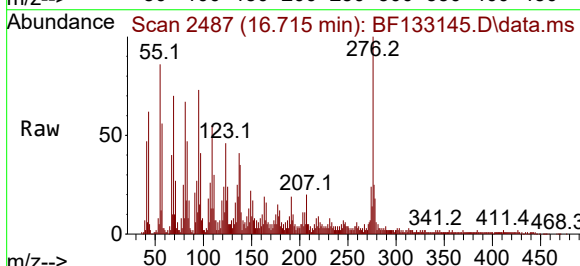
Tgt Ion:276 Resp: 98654

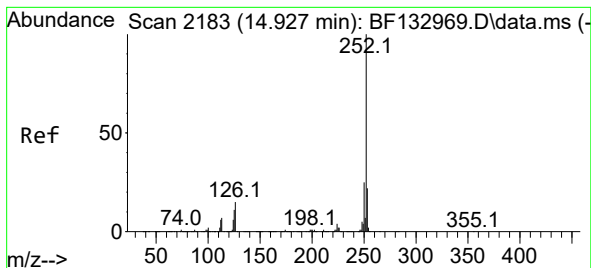
Ion Ratio Lower Upper

276 100

138 29.8 25.5 38.3

277 24.6 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 8.369 ng

RT: 14.915 min Scan# 2181

Delta R.T. 0.012 min

Lab File: BF133145.D

Acq: 29 Apr 2023 03:44

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18RE

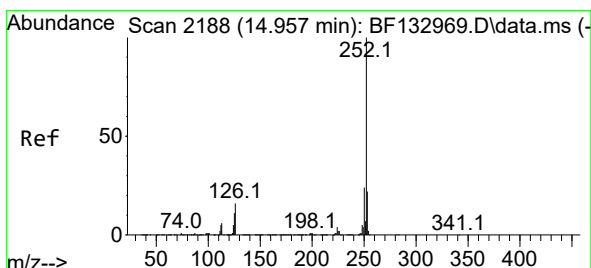
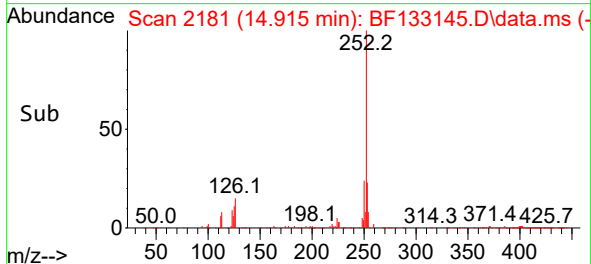
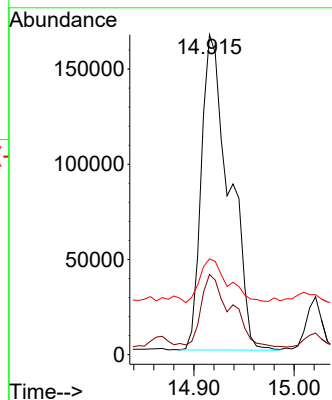
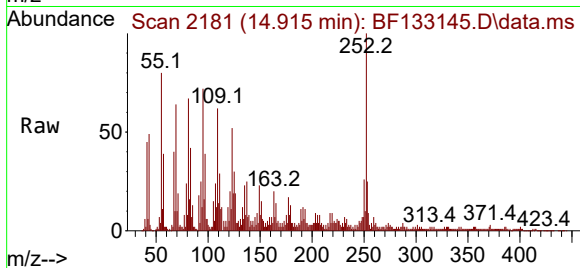
Tgt Ion:252 Resp: 321238

Ion Ratio Lower Upper

252 100

253 25.0 17.6 26.4

125 30.0 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 8.443 ng

RT: 14.915 min Scan# 2181

Delta R.T. -0.018 min

Lab File: BF133145.D

Acq: 29 Apr 2023 03:44

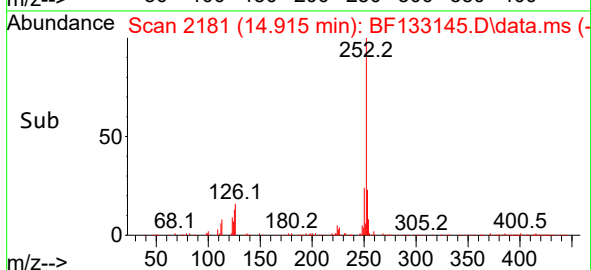
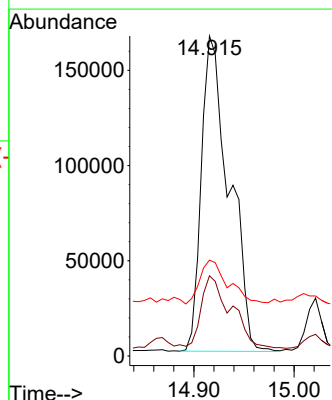
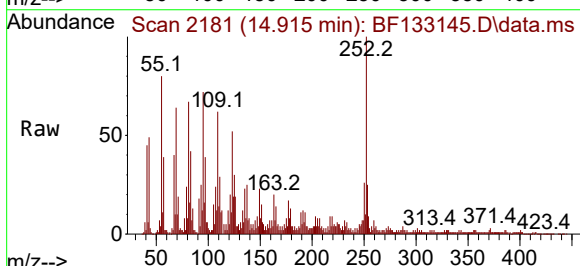
Tgt Ion:252 Resp: 321238

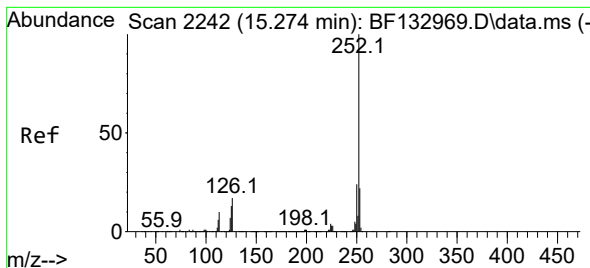
Ion Ratio Lower Upper

252 100

253 25.0 17.7 26.5

125 30.0 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 3.950 ng

RT: 15.263 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133145.D

Acq: 29 Apr 2023 03:44

Instrument :

BNA_F

ClientSampleId :

SPE-1WC-23-04-18RE

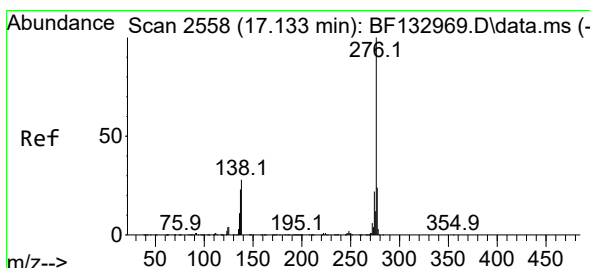
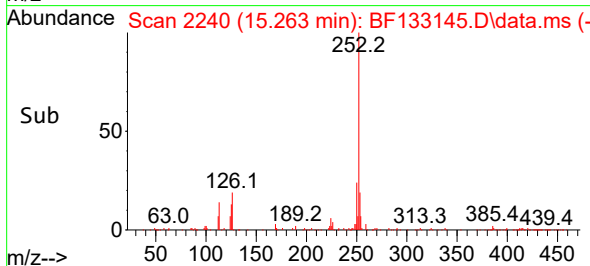
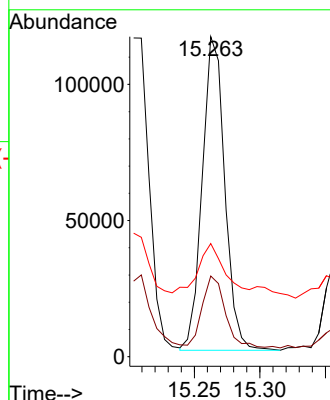
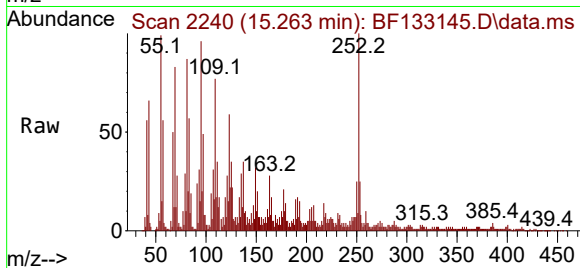
Tgt Ion:252 Resp: 137990

Ion Ratio Lower Upper

252 100

253 25.2 17.7 26.5

125 35.4 10.5 15.7#



#92

Benzo(g,h,i)perylene

Concen: 3.465 ng

RT: 17.127 min Scan# 2557

Delta R.T. 0.024 min

Lab File: BF133145.D

Acq: 29 Apr 2023 03:44

Tgt Ion:276 Resp: 97927

Ion Ratio Lower Upper

276 100

277 25.2 19.4 29.0

138 31.9 22.7 34.1

