

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133045.D
 Acq On : 26 Apr 2023 00:32
 Operator : CG\JU
 Sample : 02390-07RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPC-2WC-23-04-17

Quant Time: Apr 26 02:20:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 18:24:07 2023
 Response via : Initial Calibration

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

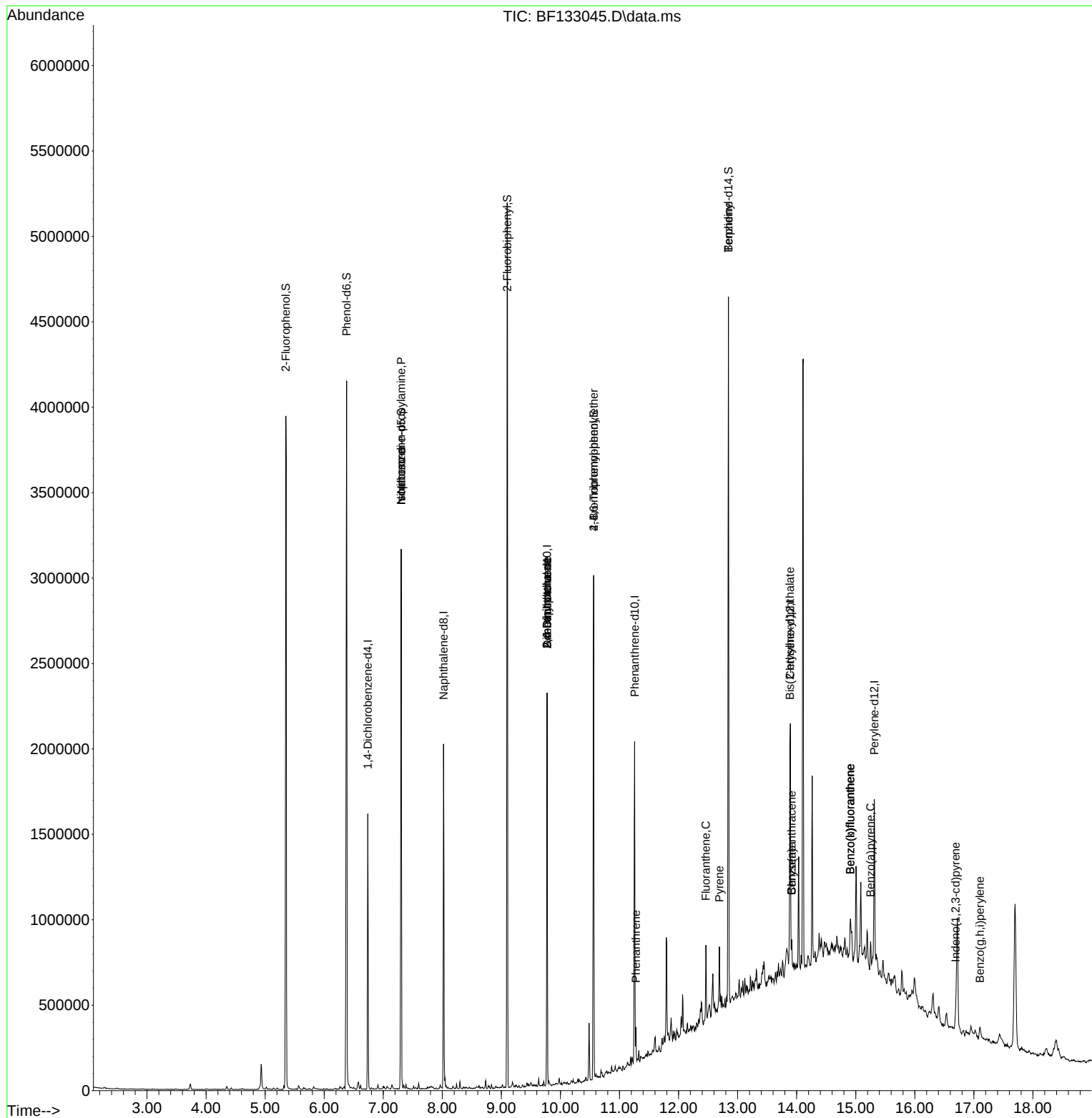
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	203467	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	784026	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	400451	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	651600	20.000	ng	0.00
76) Chrysene-d12	13.892	240	400345	20.000	ng	0.00
86) Perylene-d12	15.315	264	410830	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1198459	88.978	ng	0.00
7) Phenol-d6	6.381	99	1493191	89.316	ng	0.00
23) Nitrobenzene-d5	7.304	82	934378	64.328	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	352289	87.475	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1594290	66.606	ng	-0.01
79) Terphenyl-d14	12.845	244	1397360	60.198	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.281	77	2980	Below Cal	#	80
19) n-Nitroso-di-n-propyla...	7.304	70	123509	11.867	ng	# 77
25) Isophorone	7.304	82	932939	33.829	ng	# 63
50) Dimethylphthalate	9.775	163	83520	2.991	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	53666	8.539	ng	# 25
57) 2,4-Dinitrotoluene	9.775	165	53666	6.696	ng	# 24
67) 4-Bromophenyl-phenylether	10.563	248	21748	3.077	ng	# 1
71) Phenanthrene	11.280	178	70812	2.022	ng	99
75) Fluoranthene	12.463	202	138782	3.948	ng	100
77) Benzidine	12.845	184	18535	2.738	ng	96
78) Pyrene	12.692	202	137270	4.000	ng	98
81) Benzo(a)anthracene	13.915	228	78612	2.855	ng	93
83) Chrysene	13.915	228	78612	2.856	ng	97
84) Bis(2-ethylhexyl)phtha...	13.886	149	70785	4.641	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.692	276	48983	2.096	ng	94
88) Benzo(b)fluoranthene	14.909	252	144054	5.512	ng	# 83
89) Benzo(k)fluoranthene	14.909	252	144054	5.560	ng	# 83
90) Benzo(a)pyrene	15.251	252	67803	2.850	ng	# 88
92) Benzo(g,h,i)perylene	17.103	276	47856	2.487	ng	94

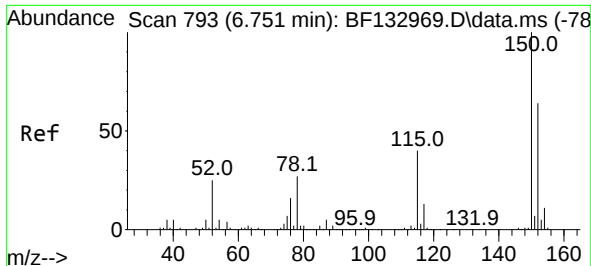
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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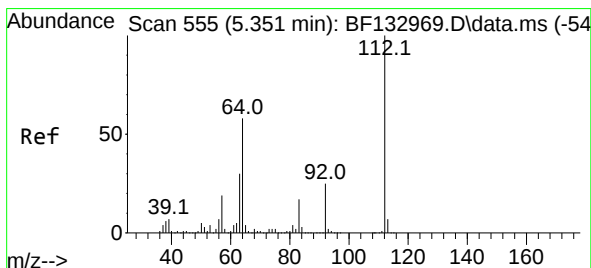
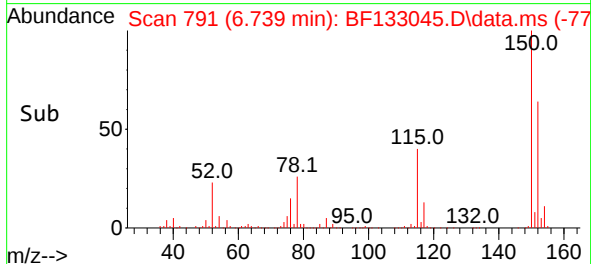
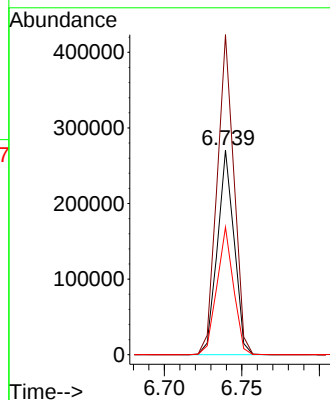
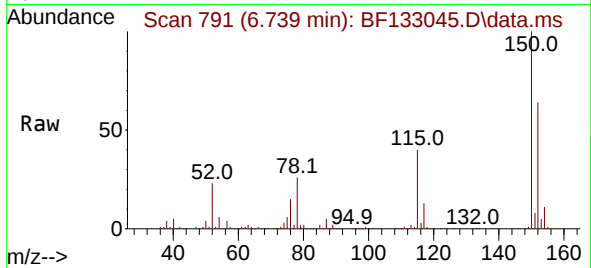




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

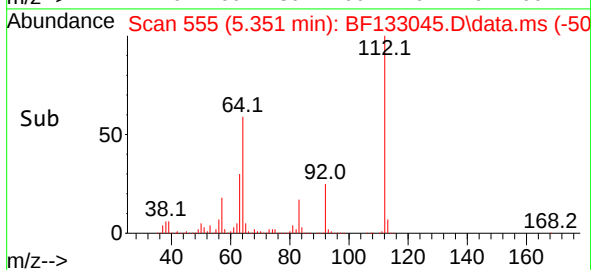
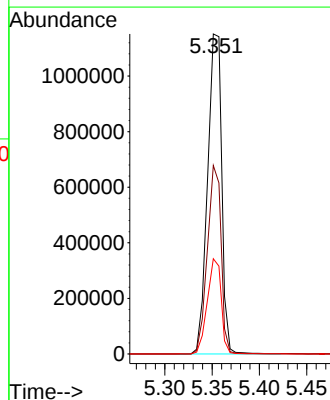
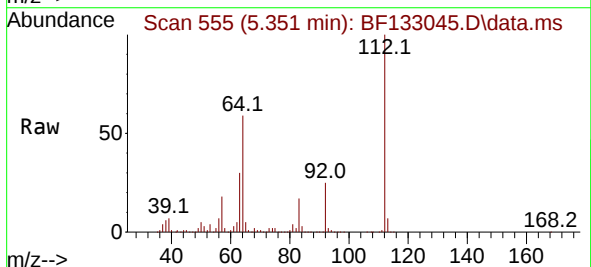
Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17

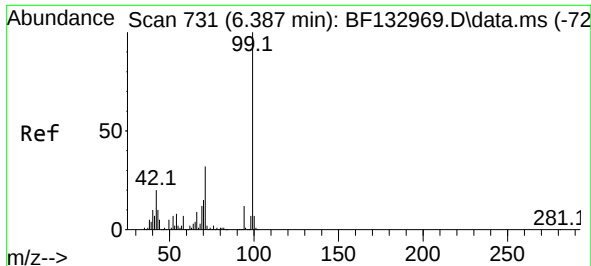
Tgt Ion:152 Resp: 203467
Ion Ratio Lower Upper
152 100
150 156.4 124.8 187.2
115 62.3 49.9 74.9



#5
2-Fluorophenol
Concen: 88.978 ng
RT: 5.351 min Scan# 555
Delta R.T. 0.000 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Tgt Ion:112 Resp: 1198459
Ion Ratio Lower Upper
112 100
64 58.9 46.8 70.2
63 29.7 23.8 35.8





#7

Phenol-d6

Concen: 89.316 ng

RT: 6.381 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF133045.D

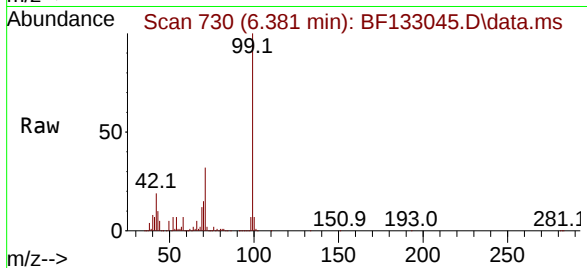
Acq: 26 Apr 2023 00:32

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17



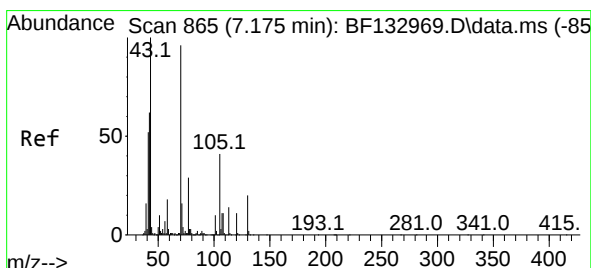
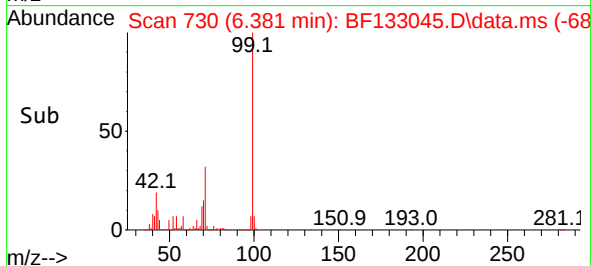
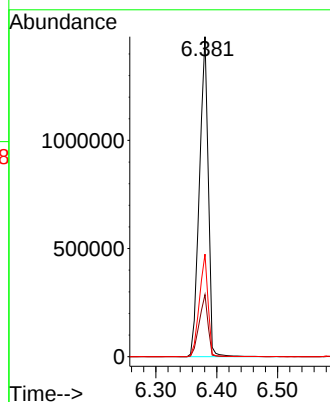
Tgt Ion: 99 Resp: 1493191

Ion Ratio Lower Upper

99 100

42 19.4 16.3 24.5

71 32.0 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 11.867 ng

RT: 7.304 min Scan# 887

Delta R.T. 0.141 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

Tgt Ion: 70 Resp: 123509

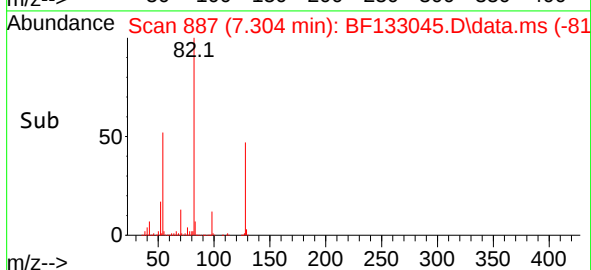
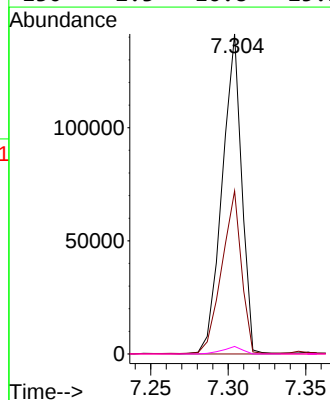
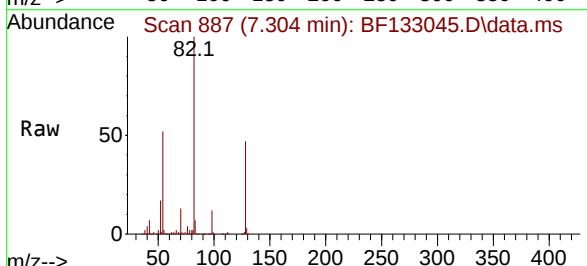
Ion Ratio Lower Upper

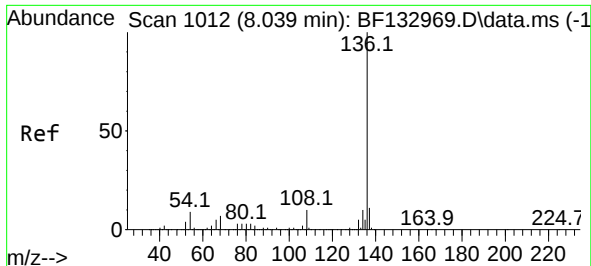
70 100

42 51.0 51.8 77.6#

101 0.0 8.0 12.0#

130 2.3 16.8 25.2#

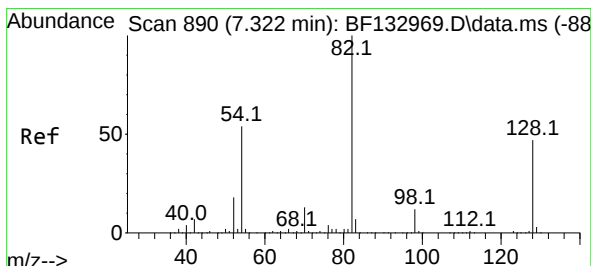
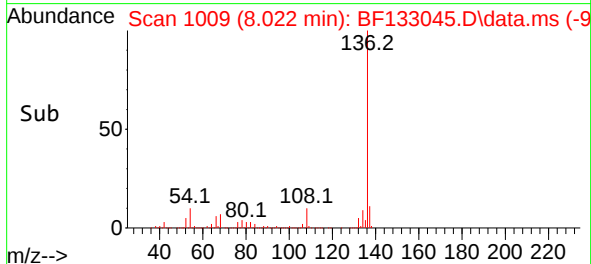
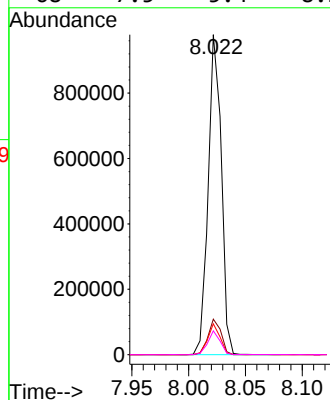
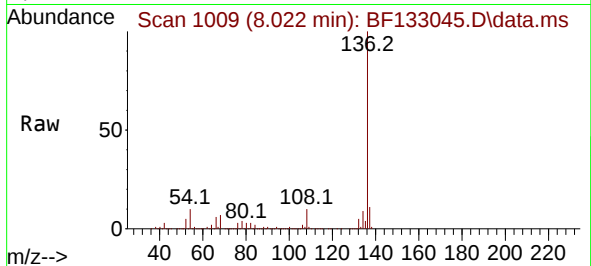




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

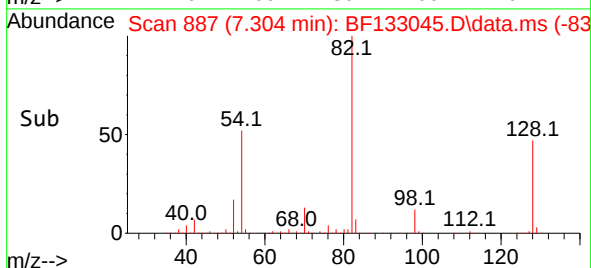
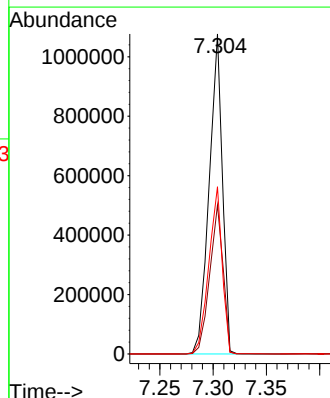
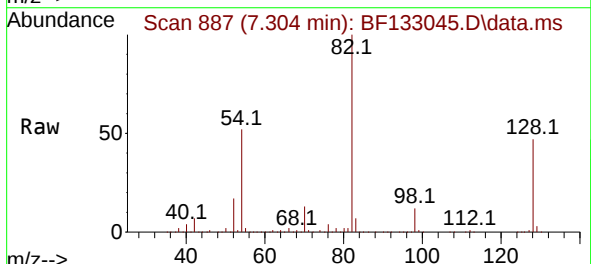
Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17

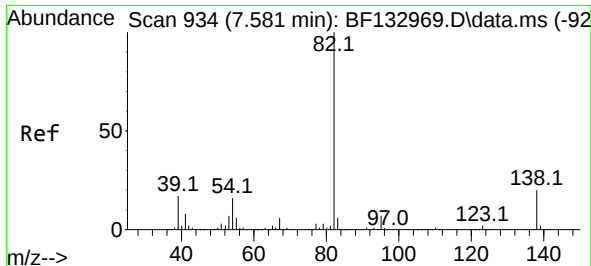
Tgt Ion:136	Resp: 784026
Ion Ratio	Lower Upper
136 100	
137 11.1	8.6 13.0
54 9.6	7.0 10.4
68 7.5	5.4 8.2



#23
Nitrobenzene-d5
Concen: 64.328 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Tgt Ion: 82	Resp: 934378
Ion Ratio	Lower Upper
82 100	
128 46.5	37.7 56.5
54 52.2	43.0 64.4

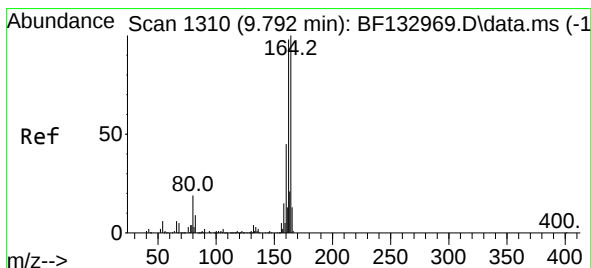
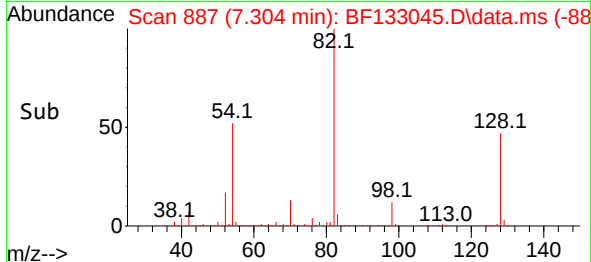
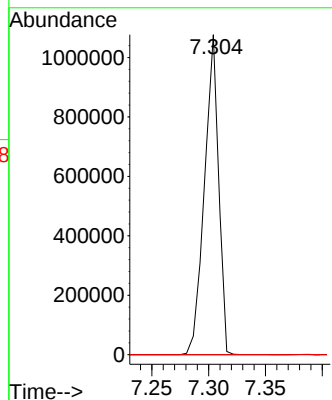
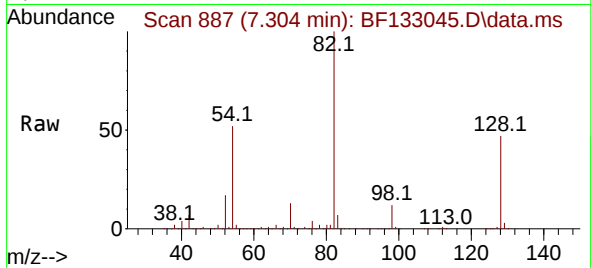




#25
Isophorone
Concen: 33.829 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

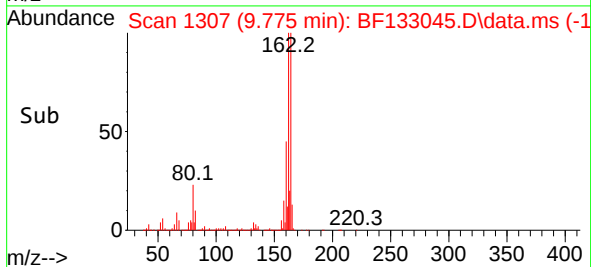
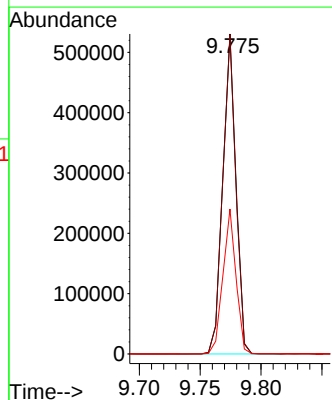
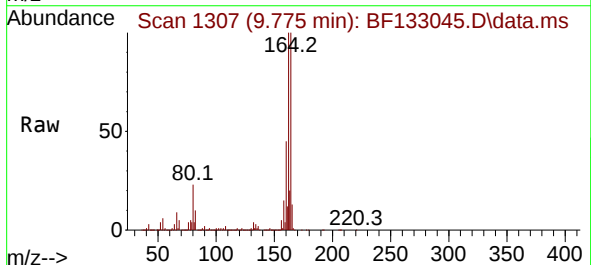
Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17

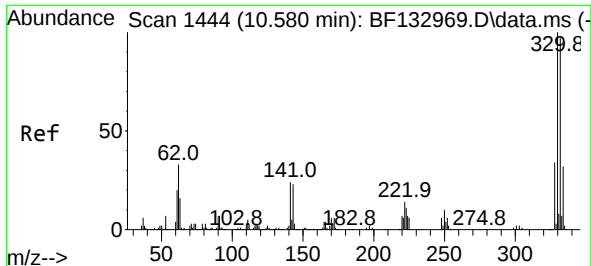
Tgt Ion: 82 Resp: 932939
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Tgt Ion:164 Resp: 400451
Ion Ratio Lower Upper
164 100
162 99.9 78.7 118.1
160 45.3 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 87.475 ng

RT: 10.563 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17

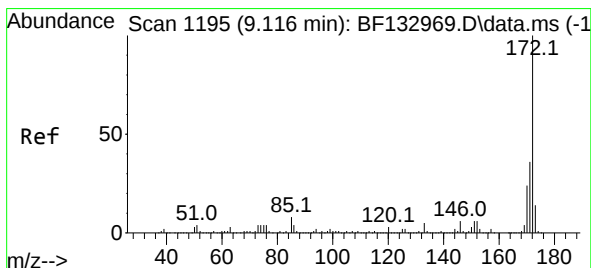
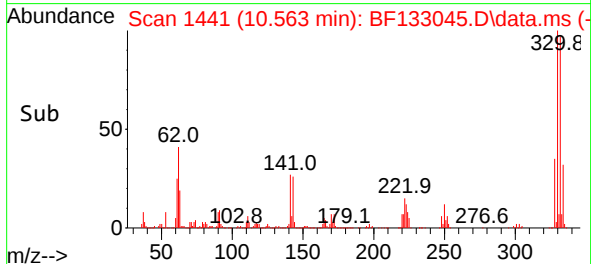
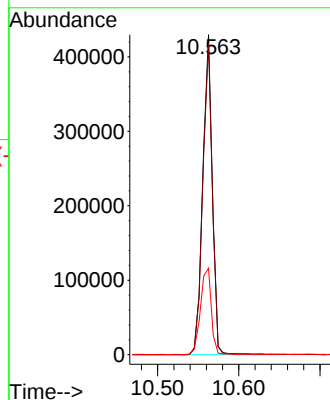
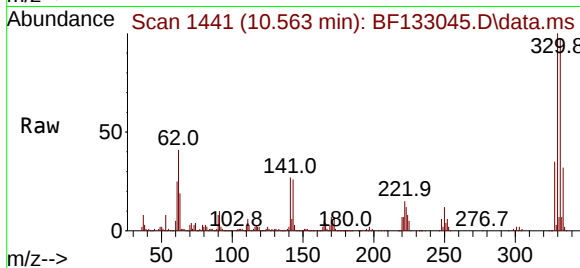
Tgt Ion:330 Resp: 352289

Ion Ratio Lower Upper

330 100

332 97.2 77.1 115.7

141 30.4 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 66.606 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.012 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

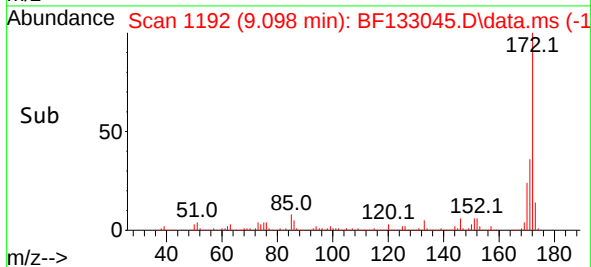
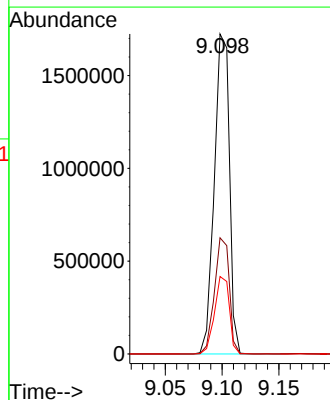
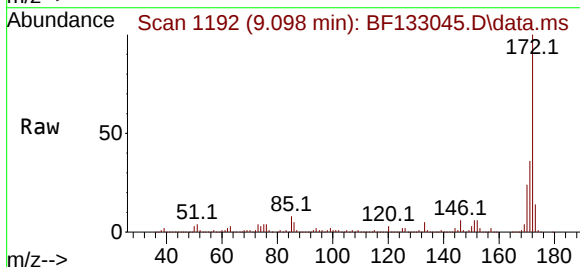
Tgt Ion:172 Resp: 1594290

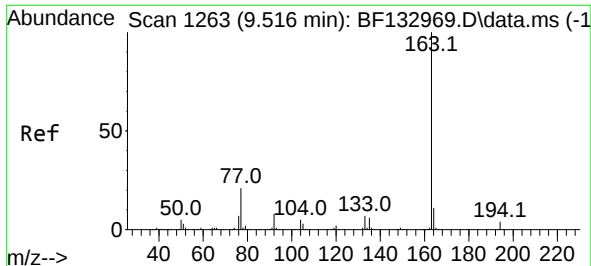
Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 24.2 19.4 29.2

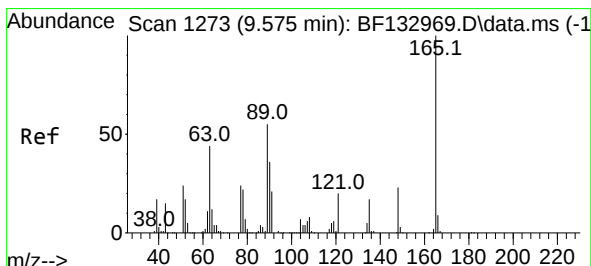
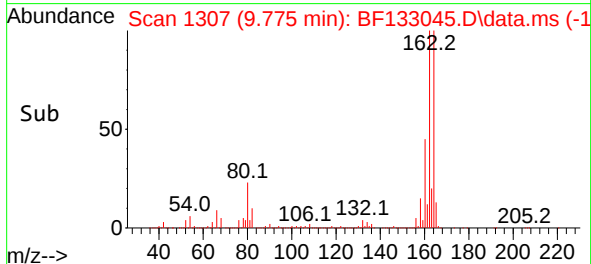
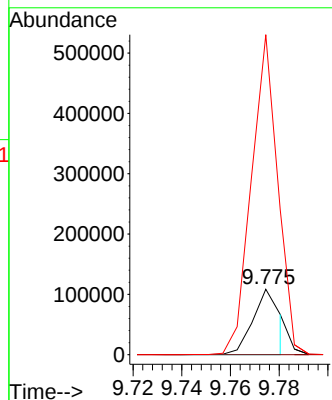
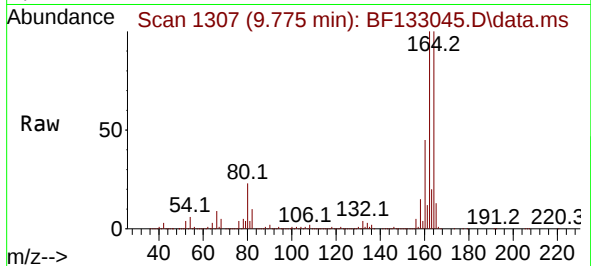




#50
Dimethylphthalate
Concen: 2.991 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

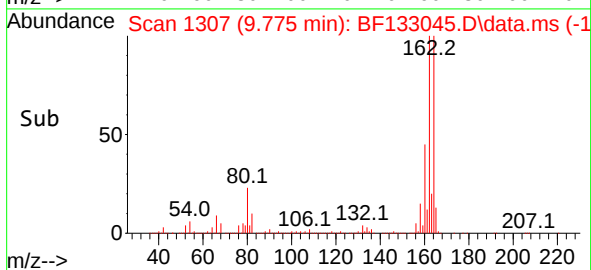
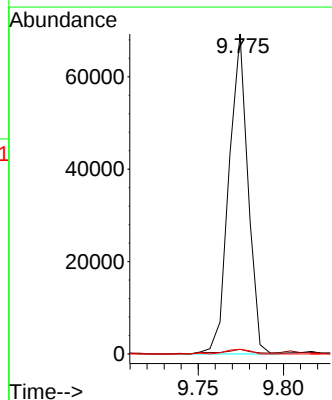
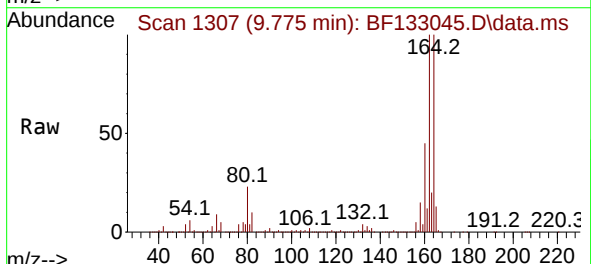
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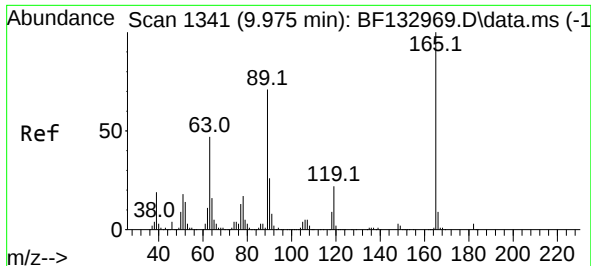
Tgt Ion:163 Resp: 83520
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 488.3 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.539 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.206 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Tgt Ion:165 Resp: 53666
Ion Ratio Lower Upper
165 100
63 1.5 45.9 68.9#
89 1.5 44.0 66.0#





#57

2,4-Dinitrotoluene

Concen: 6.696 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.194 min

Lab File: BF133045.D

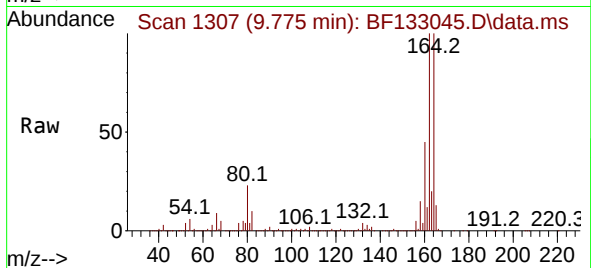
Acq: 26 Apr 2023 00:32

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17



Tgt Ion:165 Resp: 53666

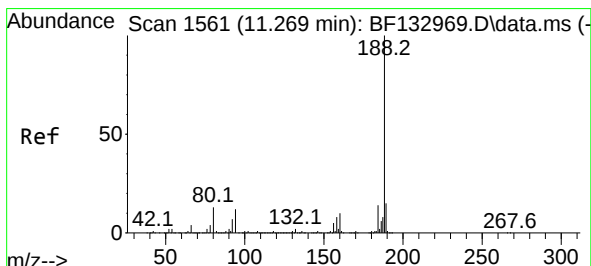
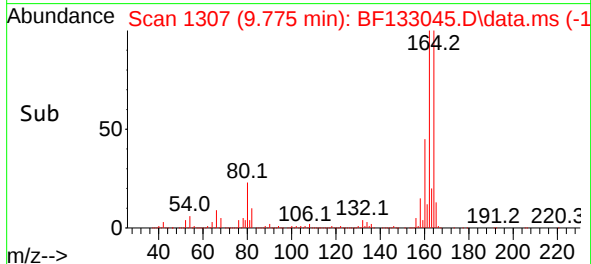
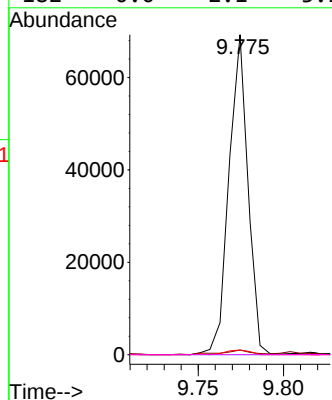
Ion Ratio Lower Upper

165 100

63 1.5 37.7 56.5#

89 1.5 57.0 85.4#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.257 min Scan# 1559

Delta R.T. -0.006 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

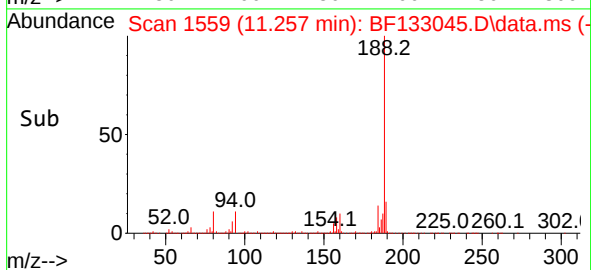
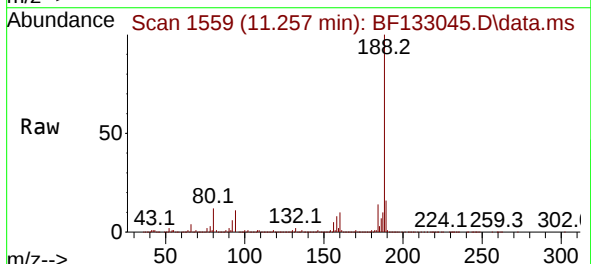
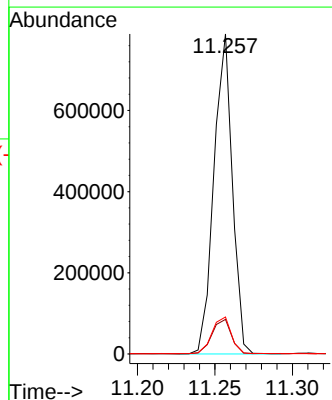
Tgt Ion:188 Resp: 651600

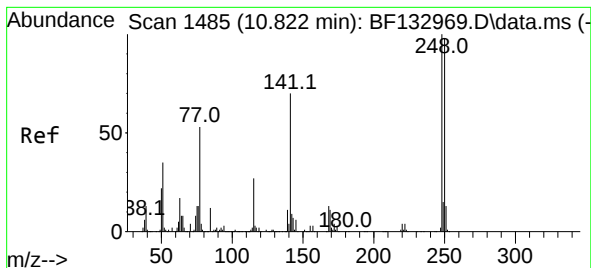
Ion Ratio Lower Upper

188 100

94 10.8 9.7 14.5

80 11.6 10.4 15.6

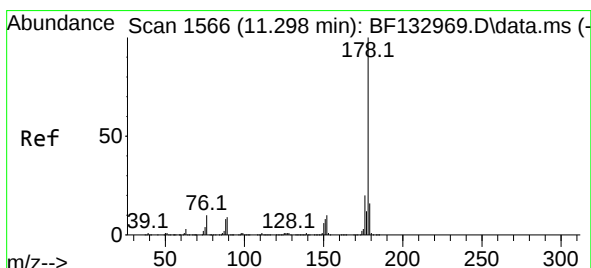
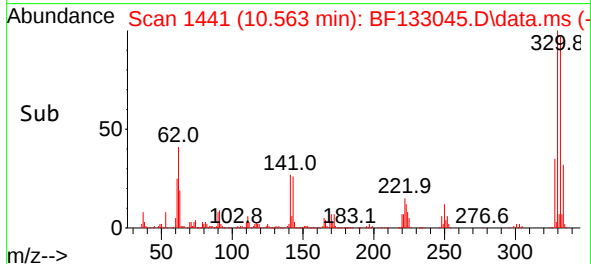
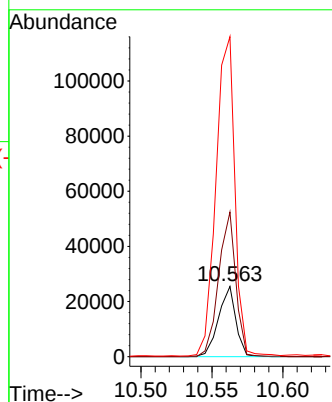
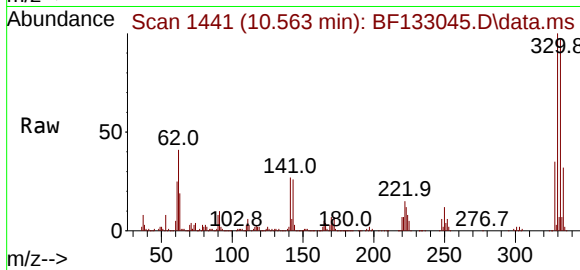




#67
4-Bromophenyl-phenylether
Concen: 3.077 ng
RT: 10.563 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

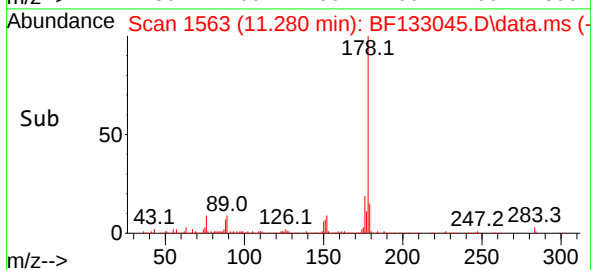
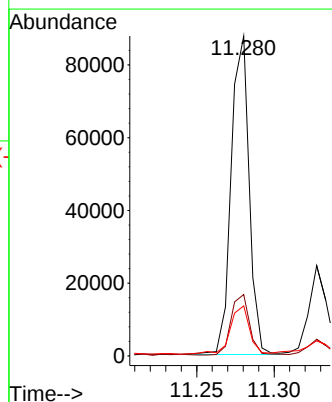
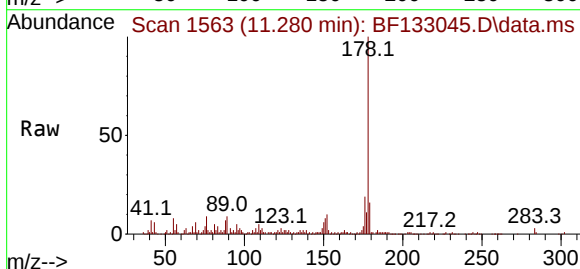
Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17

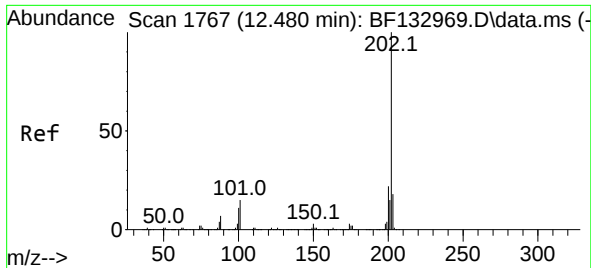
Tgt Ion:248 Resp: 21748
Ion Ratio Lower Upper
248 100
250 205.8 78.7 118.1#
141 455.3 56.3 84.5#



#71
Phenanthrene
Concen: 2.022 ng
RT: 11.280 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Tgt Ion:178 Resp: 70812
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.7 12.5 18.7

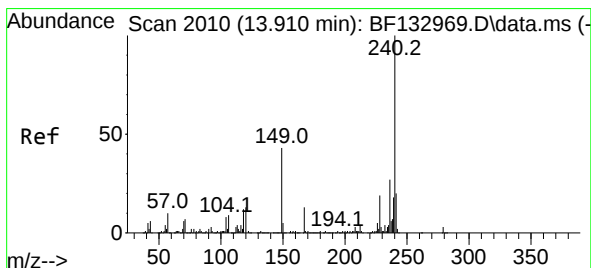
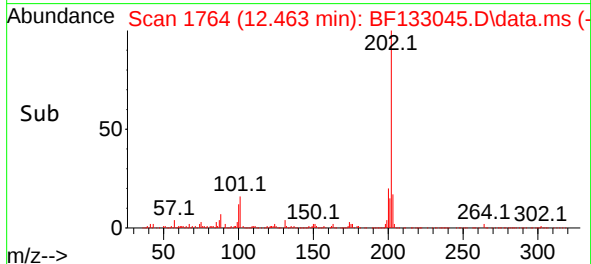
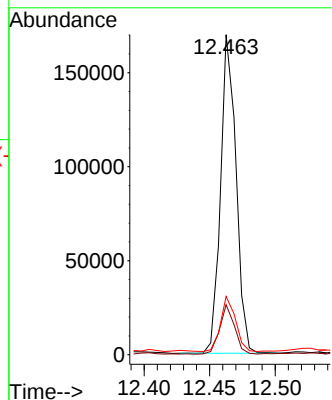
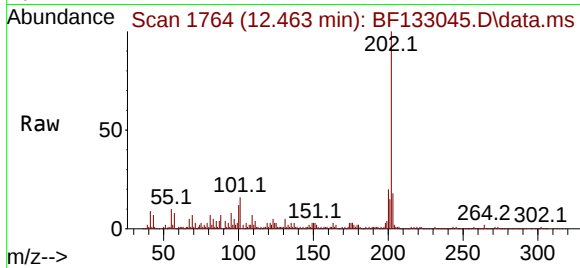




#75
Fluoranthene
Concen: 3.948 ng
RT: 12.463 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

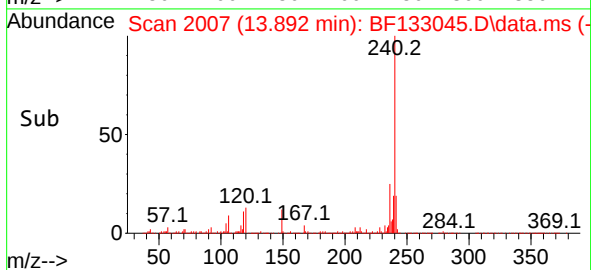
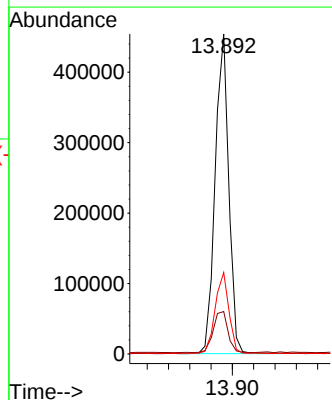
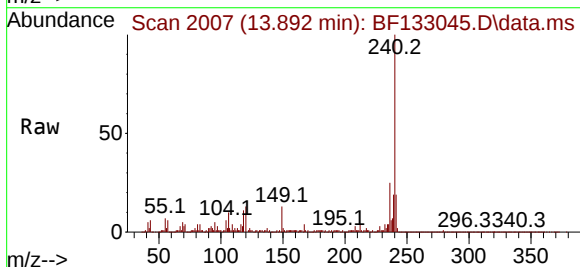
Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17

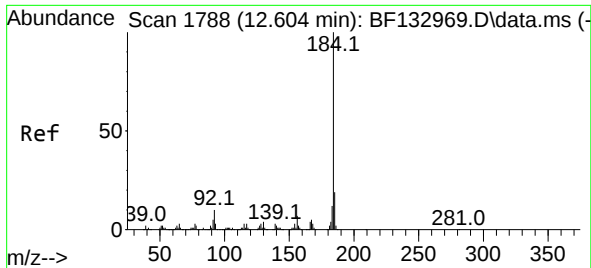
Tgt Ion:202 Resp: 138782
Ion Ratio Lower Upper
202 100
101 15.6 0.0 35.3
203 18.2 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Tgt Ion:240 Resp: 400345
Ion Ratio Lower Upper
240 100
120 13.3 10.5 15.7
236 25.5 21.5 32.3

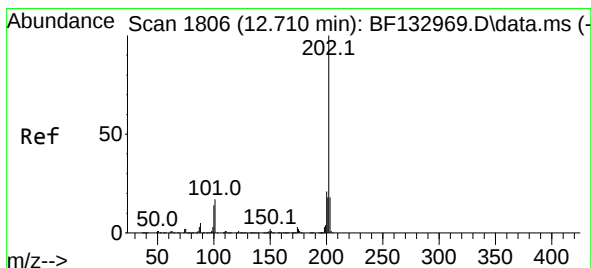
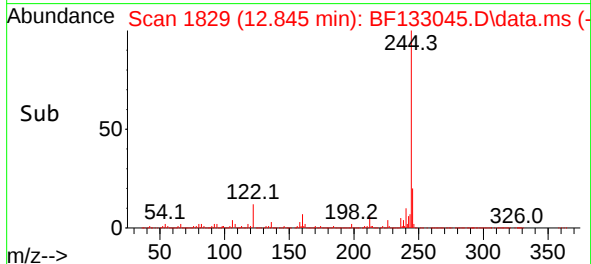
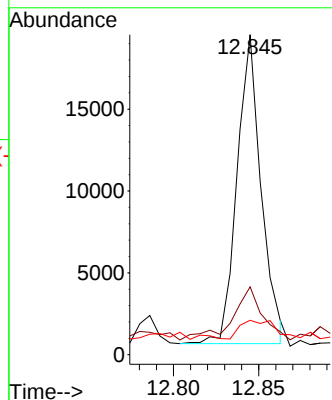
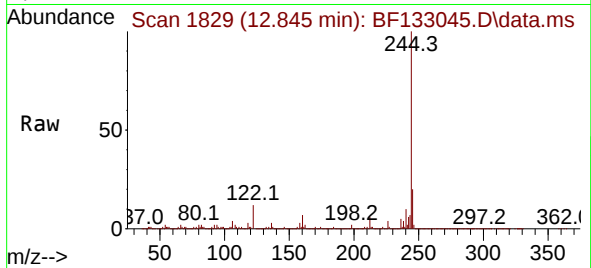




#77
Benzidine
Concen: 2.738 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.253 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

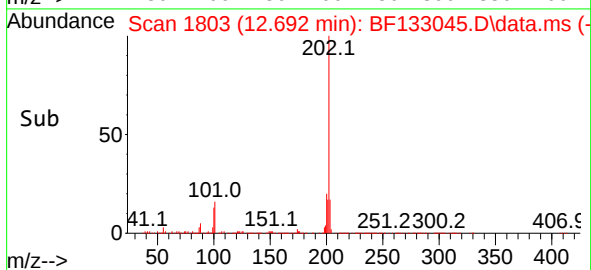
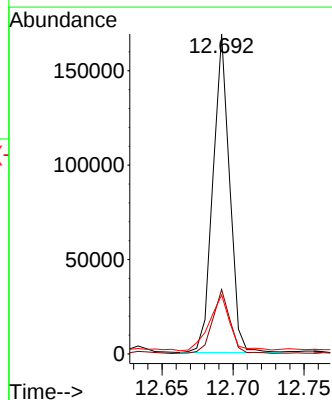
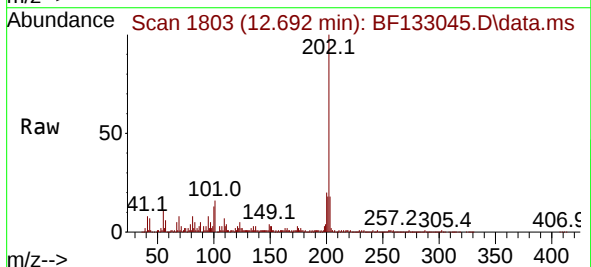
Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17

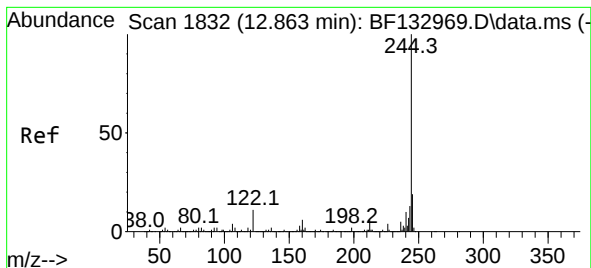
Tgt Ion:184 Resp: 18535
Ion Ratio Lower Upper
184 100
185 21.2 15.4 23.2
183 10.8 9.4 14.0



#78
Pyrene
Concen: 4.000 ng
RT: 12.692 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Tgt Ion:202 Resp: 137270
Ion Ratio Lower Upper
202 100
200 20.2 17.1 25.7
203 18.4 14.1 21.1





#79

Terphenyl-d14

Concen: 60.198 ng

RT: 12.845 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17

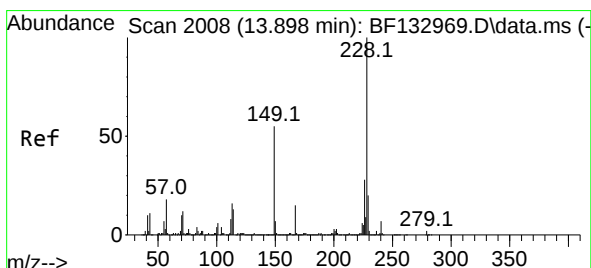
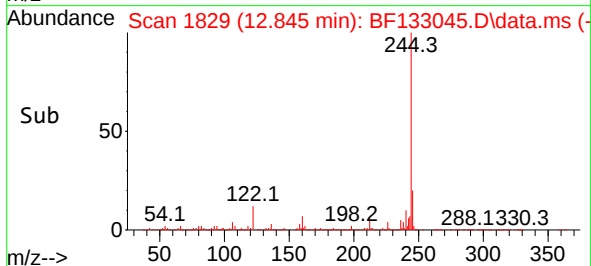
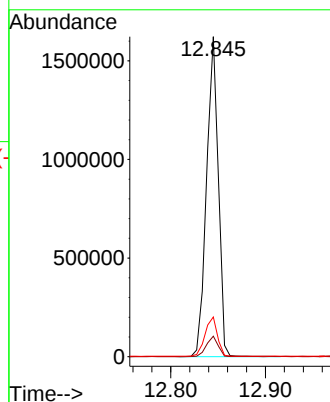
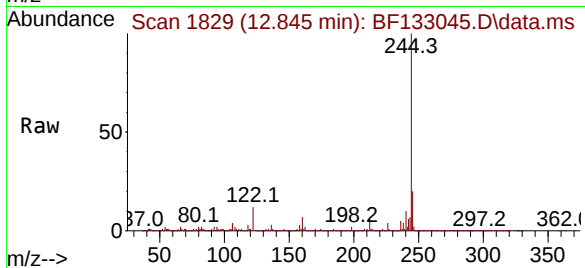
Tgt Ion:244 Resp: 1397360

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 12.4 8.6 13.0



#81

Benzo(a)anthracene

Concen: 2.855 ng

RT: 13.915 min Scan# 2011

Delta R.T. 0.029 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

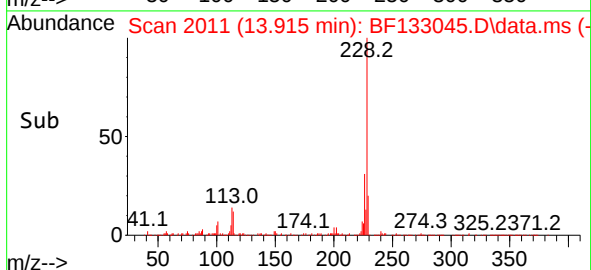
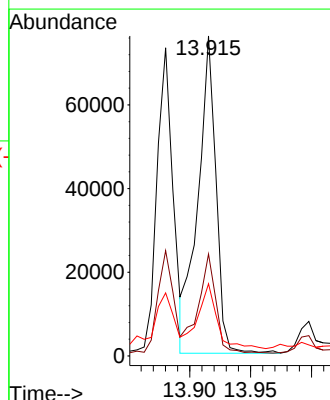
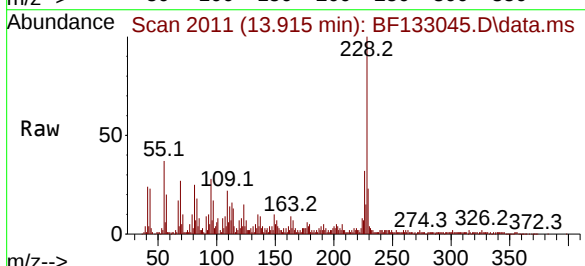
Tgt Ion:228 Resp: 78612

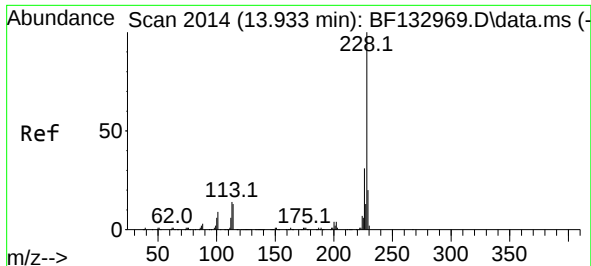
Ion Ratio Lower Upper

228 100

226 31.8 22.2 33.4

229 22.6 16.0 24.0





#83

Chrysene

Concen: 2.856 ng

RT: 13.915 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17

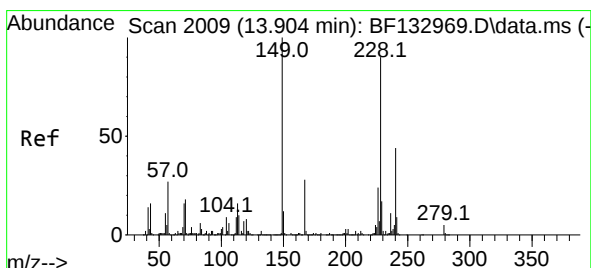
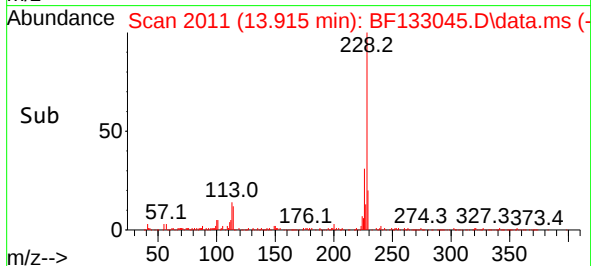
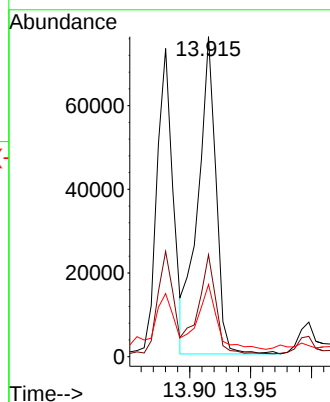
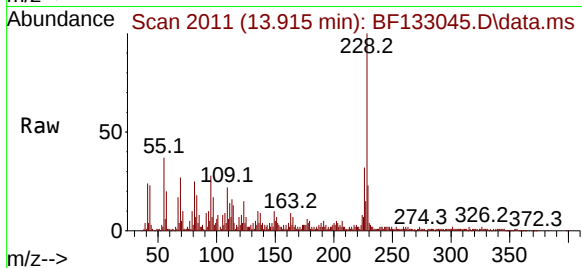
Tgt Ion:228 Resp: 78612

Ion Ratio Lower Upper

228 100

226 31.8 24.7 37.1

229 22.6 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.641 ng

RT: 13.886 min Scan# 2006

Delta R.T. -0.006 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

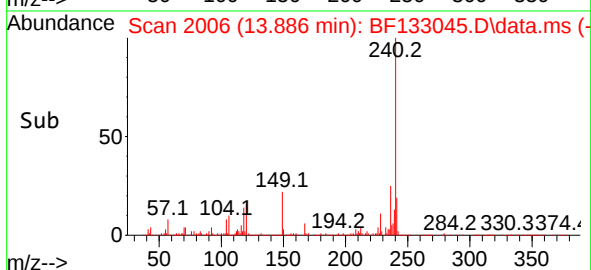
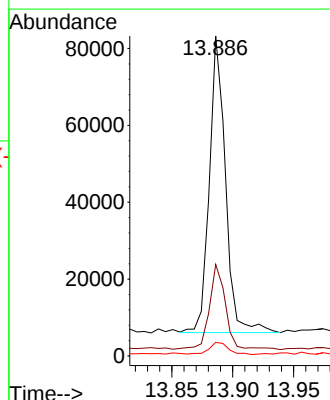
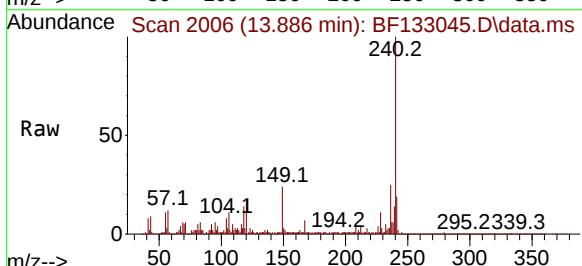
Tgt Ion:149 Resp: 70785

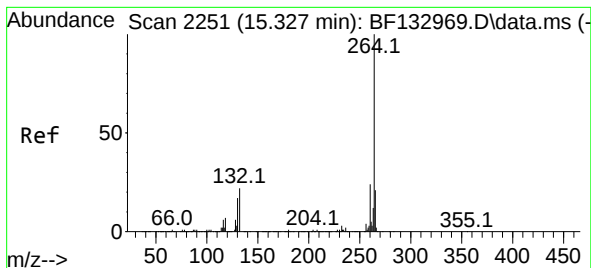
Ion Ratio Lower Upper

149 100

167 28.6 22.5 33.7

279 4.2 4.2 6.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.315 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17

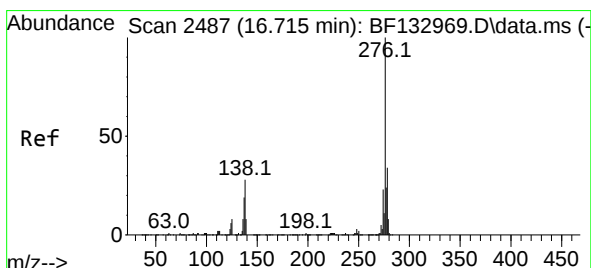
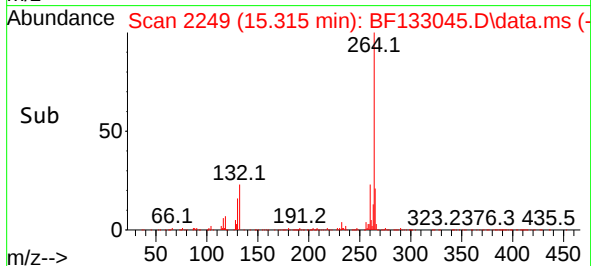
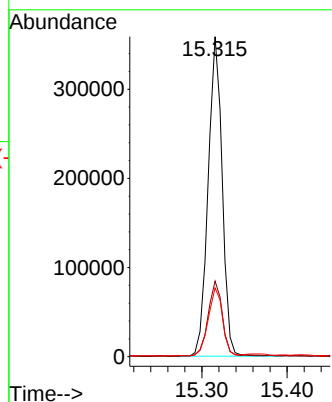
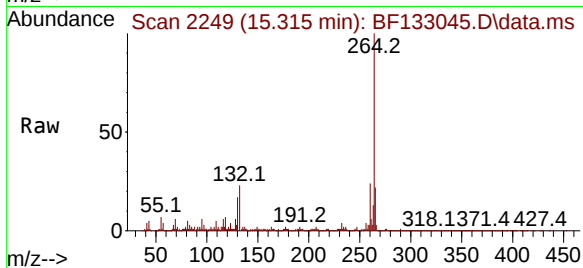
Tgt Ion:264 Resp: 410830

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 21.5 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.096 ng

RT: 16.692 min Scan# 2483

Delta R.T. -0.012 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

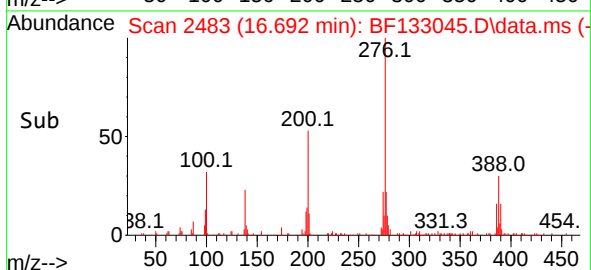
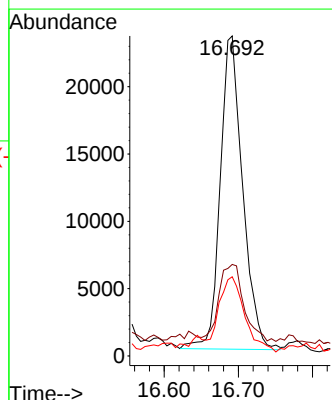
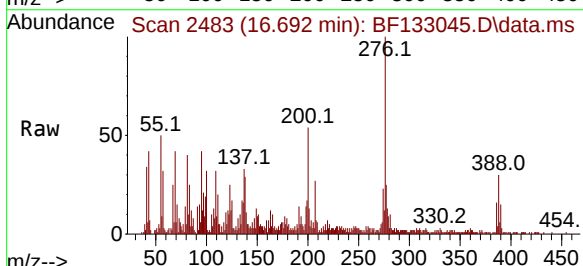
Tgt Ion:276 Resp: 48983

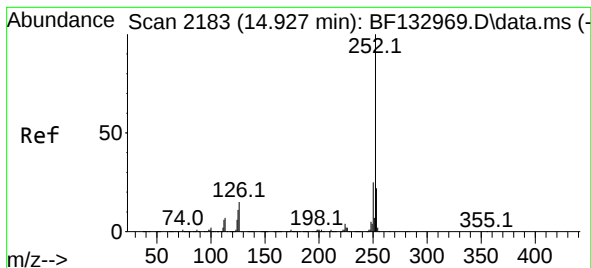
Ion Ratio Lower Upper

276 100

138 27.3 25.5 38.3

277 27.4 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 5.512 ng

RT: 14.909 min Scan# 2180

Delta R.T. -0.006 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17

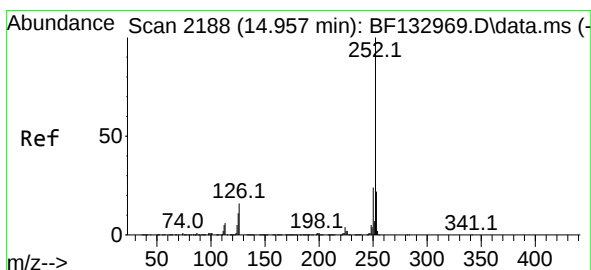
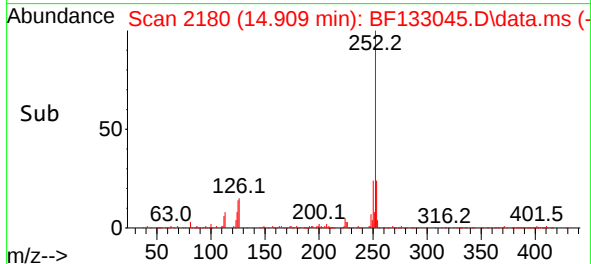
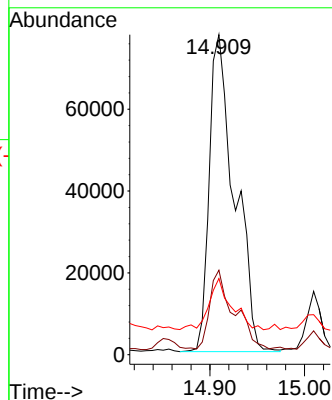
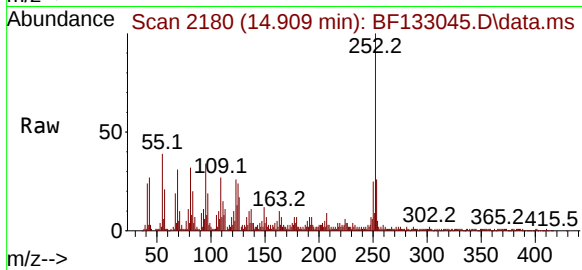
Tgt Ion:252 Resp: 144054

Ion Ratio Lower Upper

252 100

253 26.4 17.6 26.4#

125 23.8 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 5.560 ng

RT: 14.909 min Scan# 2180

Delta R.T. -0.029 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

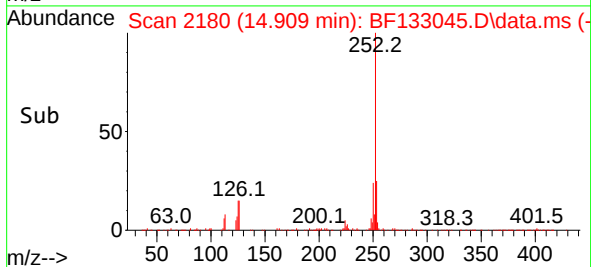
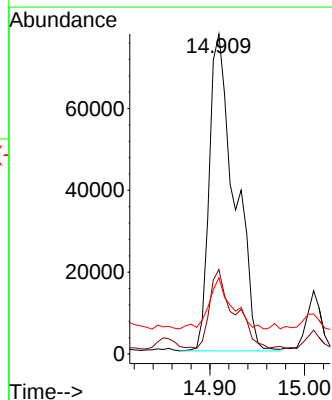
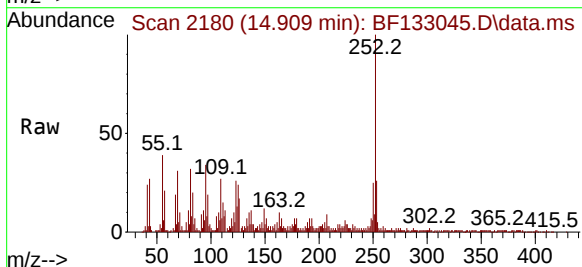
Tgt Ion:252 Resp: 144054

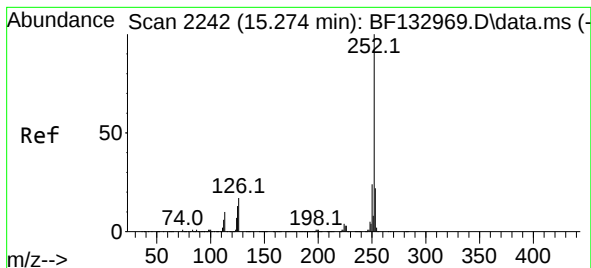
Ion Ratio Lower Upper

252 100

253 26.4 17.7 26.5

125 23.8 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 2.850 ng

RT: 15.251 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17

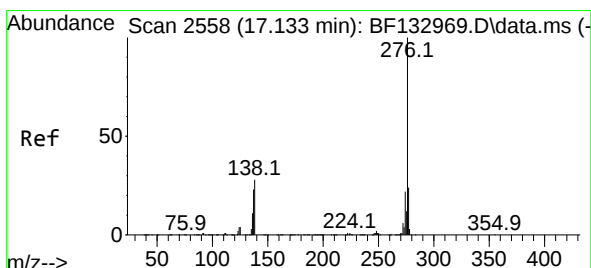
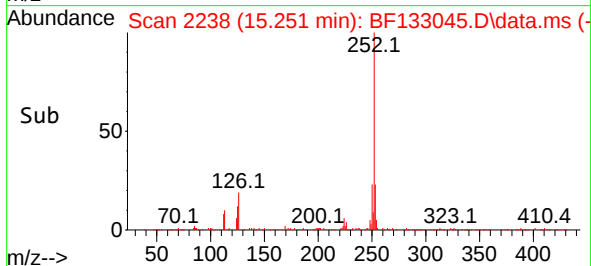
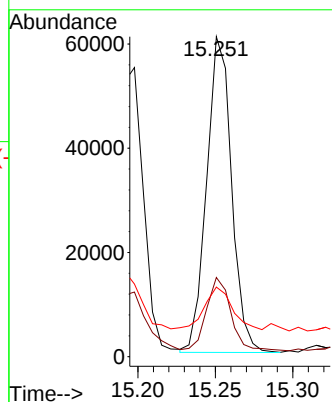
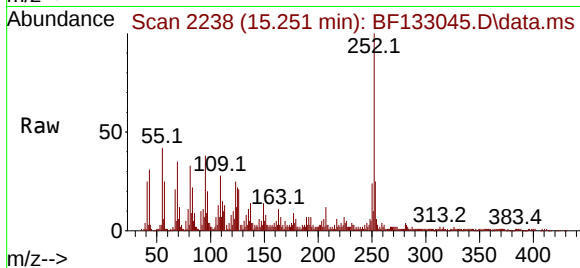
Tgt Ion:252 Resp: 67803

Ion Ratio Lower Upper

252 100

253 24.8 17.7 26.5

125 21.8 10.5 15.7#



#92

Benzo(g,h,i)perylene

Concen: 2.487 ng

RT: 17.103 min Scan# 2553

Delta R.T. -0.018 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

Tgt Ion:276 Resp: 47856

Ion Ratio Lower Upper

276 100

277 25.9 19.4 29.0

138 32.6 22.7 34.1

