

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
 Data File : BF132929.D
 Acq On : 20 Apr 2023 00:17
 Operator : CG\JU
 Sample : 02390-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Apr 20 01:53:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 18 04:51:21 2023
 Response via : Initial Calibration

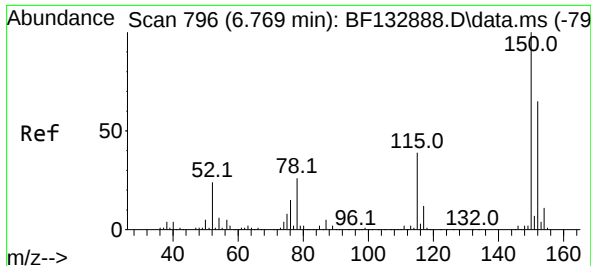
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	269982	20.000	ng	0.00
21) Naphthalene-d8	8.045	136	1110920	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	568659	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	959512	20.000	ng	0.00
76) Chrysene-d12	13.916	240	582454	20.000	ng	-0.01
86) Perylene-d12	15.351	264	585921	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1595234	92.392	ng	0.00
7) Phenol-d6	6.393	99	2106949	95.631	ng	0.00
23) Nitrobenzene-d5	7.328	82	1340769	62.909	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	545888	95.708	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	2285392	61.739	ng	-0.01
79) Terphenyl-d14	12.869	244	2226045	65.203	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.328	70	178033	12.946	ng	# 80
25) Isophorone	7.328	82	1338815	33.117	ng	# 65
50) Dimethylphthalate	9.798	163	112132	2.852	ng	# 1
51) 2,6-Dinitrotoluene	9.798	165	75027	8.704	ng	# 27
57) 2,4-Dinitrotoluene	9.798	165	75027	7.052	ng	# 23
63) Azobenzene	10.510	77	85617	2.086	ng	# 1
67) 4-Bromophenyl-phenylether	10.586	248	34042	3.107	ng	# 1
71) Phenanthrene	11.304	178	103447	2.004	ng	99
75) Fluoranthene	12.492	202	211190	4.115	ng	98
77) Benzidine	12.869	184	30241	3.333	ng	99
78) Pyrene	12.716	202	202578	4.253	ng	97
80) Butylbenzylphthalate	13.345	149	18622	6.581	ng	# 83
81) Benzo(a)anthracene	13.904	228	98853	2.496	ng	93
83) Chrysene	13.939	228	107416	2.728	ng	94
84) Bis(2-ethylhexyl)phtha...	13.916	149	108237	7.185	ng	99
85) Di-n-octyl phthalate	14.527	149	2991	6.462	ng	# 60
88) Benzo(b)fluoranthene	14.939	252	207760	5.692	ng	# 87
89) Benzo(k)fluoranthene	14.939	252	207760	5.714	ng	# 87
90) Benzo(a)pyrene	15.286	252	96811	2.903	ng	# 90
92) Benzo(g,h,i)perylene	17.157	276	62758	2.298	ng	93

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

Quant Time: Apr 20 01:53:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 18 04:51:21 2023
Response via : Initial Calibration

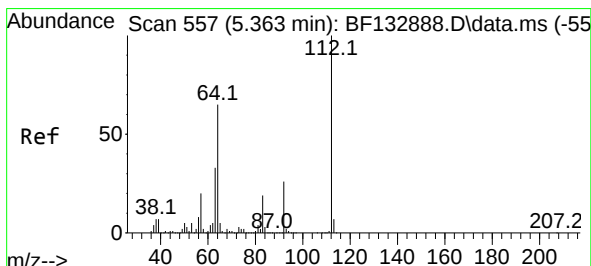
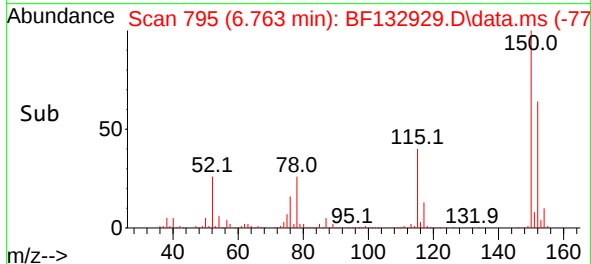
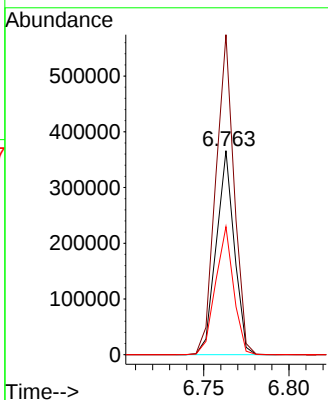
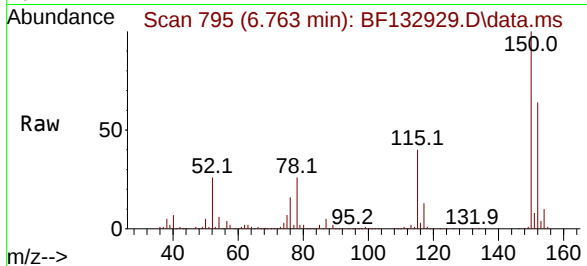




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF132929.D
Acq: 20 Apr 2023 00:17

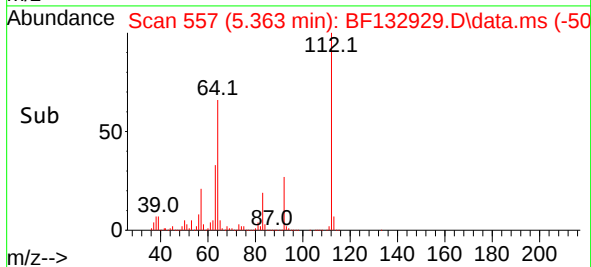
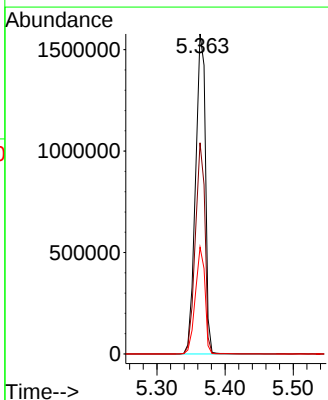
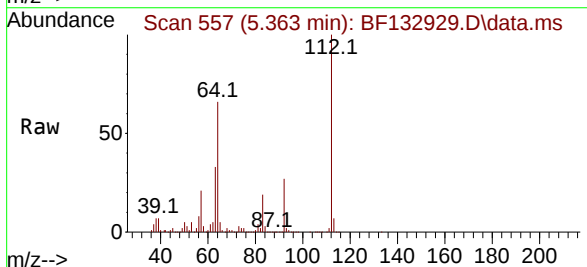
Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17

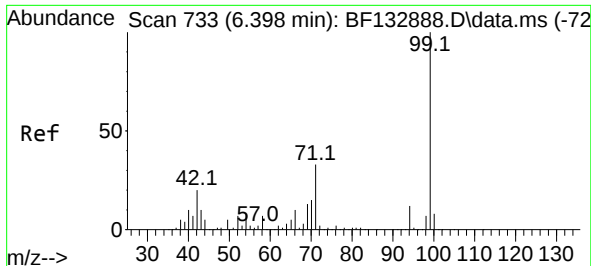
Tgt Ion:152 Resp: 269982
Ion Ratio Lower Upper
152 100
150 156.9 122.8 184.2
115 62.7 47.3 70.9



#5
2-Fluorophenol
Concen: 92.392 ng
RT: 5.363 min Scan# 557
Delta R.T. 0.000 min
Lab File: BF132929.D
Acq: 20 Apr 2023 00:17

Tgt Ion:112 Resp: 1595234
Ion Ratio Lower Upper
112 100
64 66.0 51.8 77.8
63 33.4 26.3 39.5

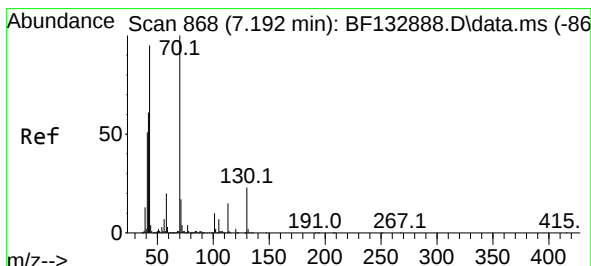
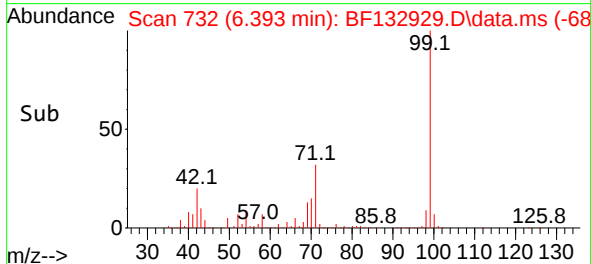
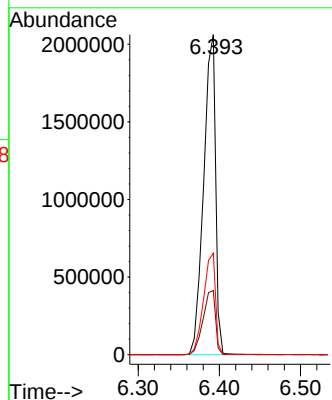
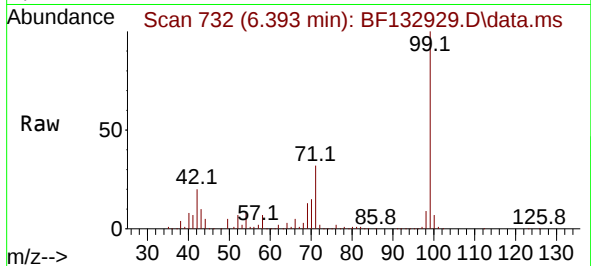




#7
Phenol-d6
Concen: 95.631 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132929.D
Acq: 20 Apr 2023 00:17

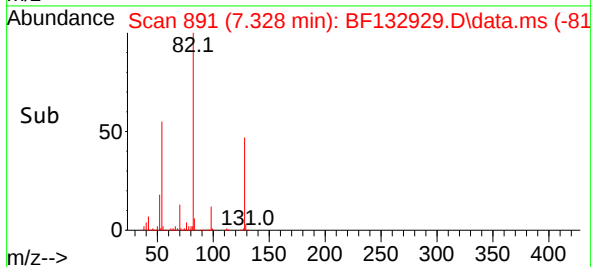
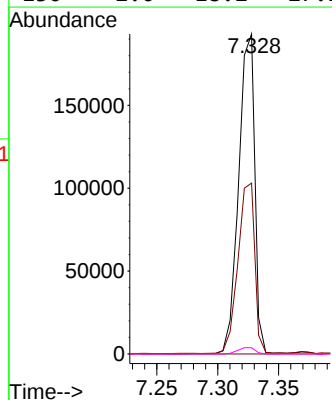
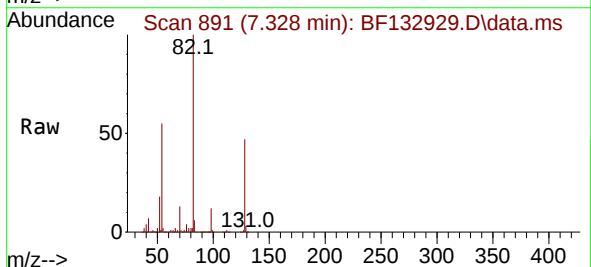
Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17

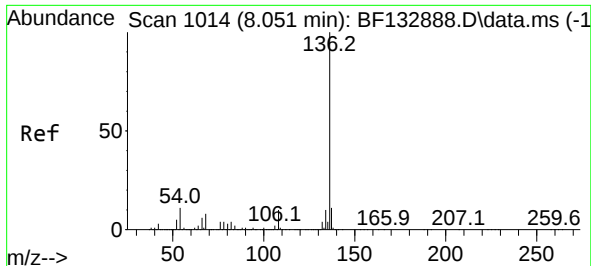
Tgt Ion: 99 Resp: 2106949
Ion Ratio Lower Upper
99 100
42 20.0 16.1 24.1
71 31.7 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 12.946 ng
RT: 7.328 min Scan# 891
Delta R.T. 0.135 min
Lab File: BF132929.D
Acq: 20 Apr 2023 00:17

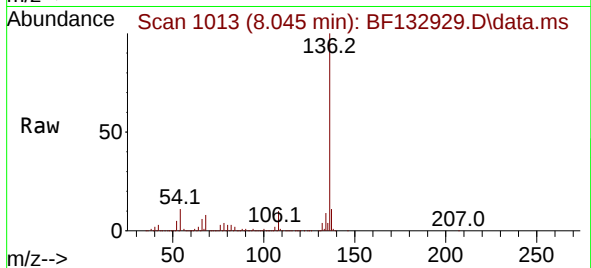
Tgt Ion: 70 Resp: 178033
Ion Ratio Lower Upper
70 100
42 53.4 49.0 73.6
101 0.0 8.1 12.1#
130 2.0 18.2 27.2#





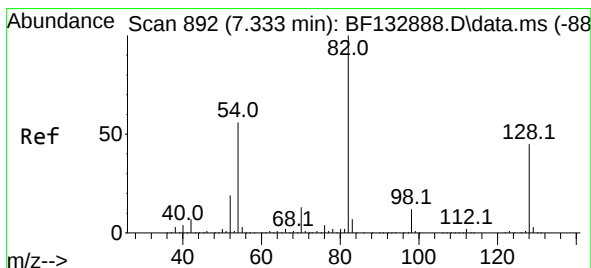
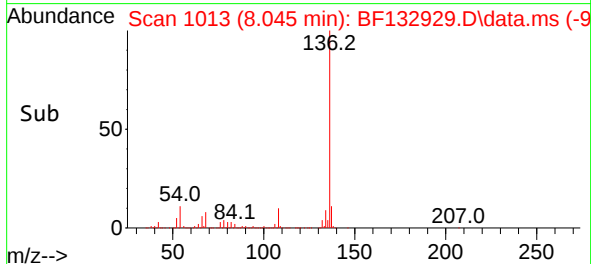
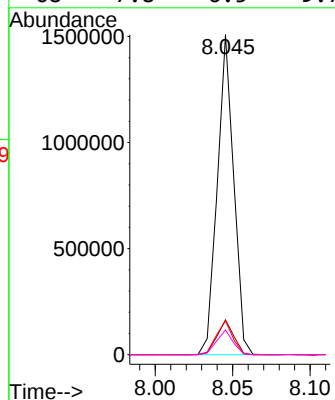
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.045 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF132929.D
Acq: 20 Apr 2023 00:17

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



Tgt Ion:136 Resp: 1110920

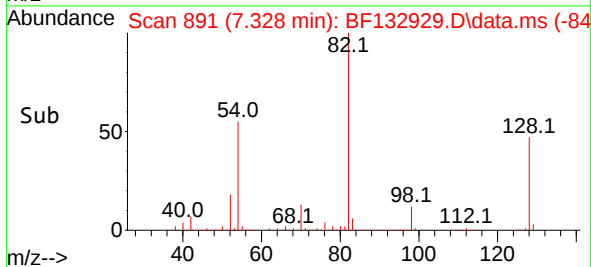
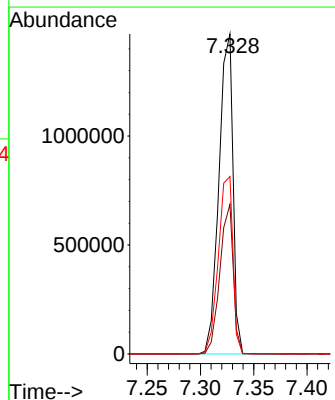
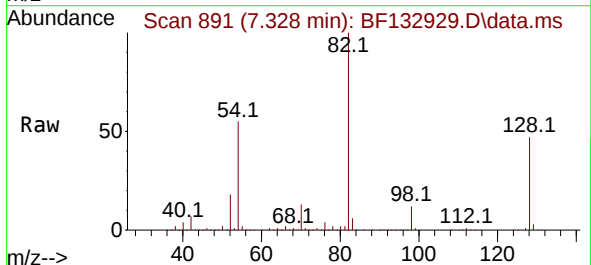
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	10.6	8.9	13.3
68	7.8	6.5	9.7

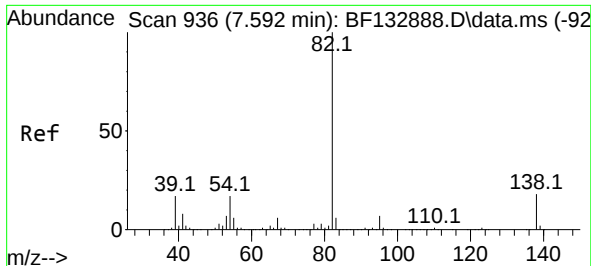


#23
Nitrobenzene-d5
Concen: 62.909 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF132929.D
Acq: 20 Apr 2023 00:17

Tgt Ion: 82 Resp: 1340769

Ion	Ratio	Lower	Upper
82	100		
128	46.7	35.7	53.5
54	55.4	44.7	67.1

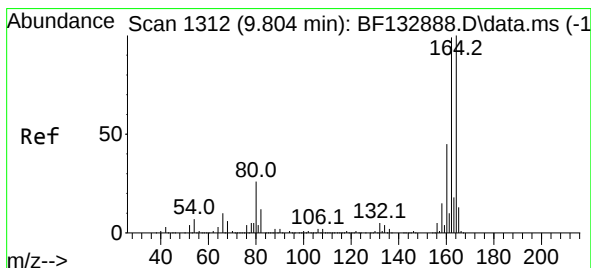
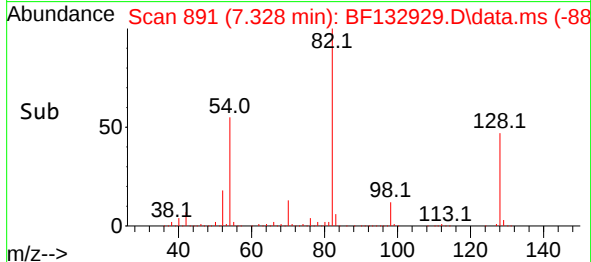
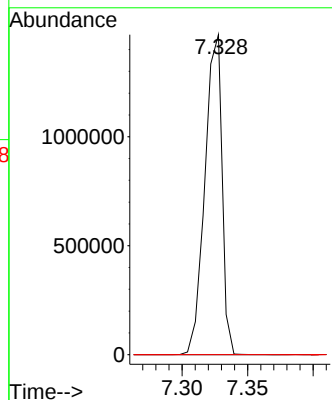
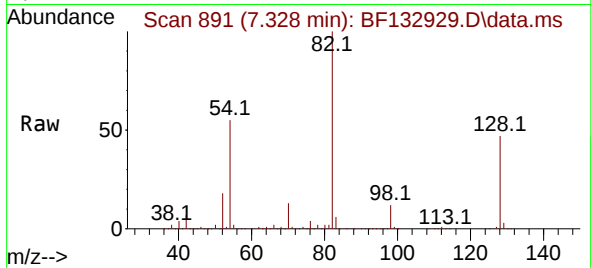




#25
Isophorone
Concen: 33.117 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.265 min
Lab File: BF132929.D
Acq: 20 Apr 2023 00:17

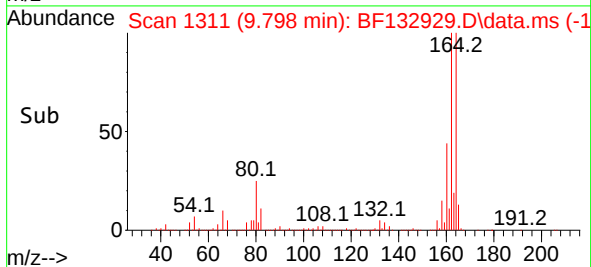
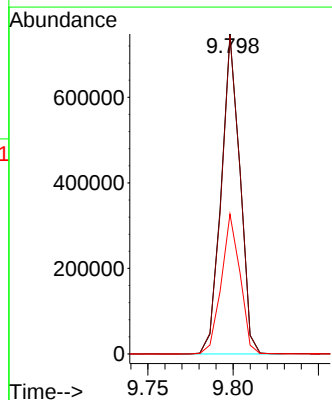
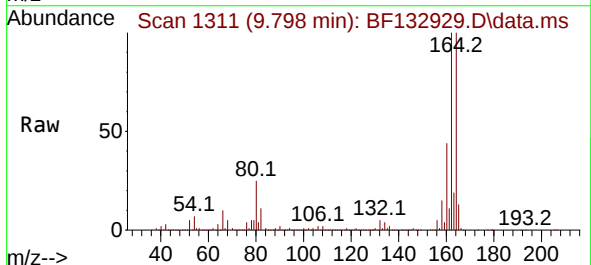
Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17

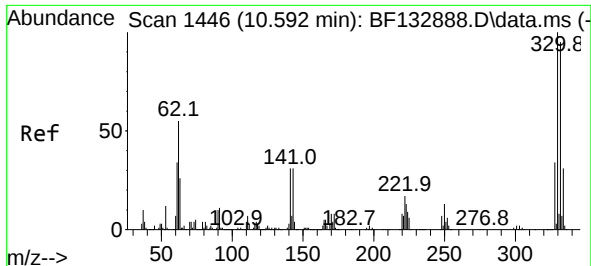
Tgt Ion: 82 Resp: 1338815
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF132929.D
Acq: 20 Apr 2023 00:17

Tgt Ion: 164 Resp: 568659
Ion Ratio Lower Upper
164 100
162 99.6 79.1 118.7
160 43.7 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 95.708 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.006 min

Lab File: BF132929.D

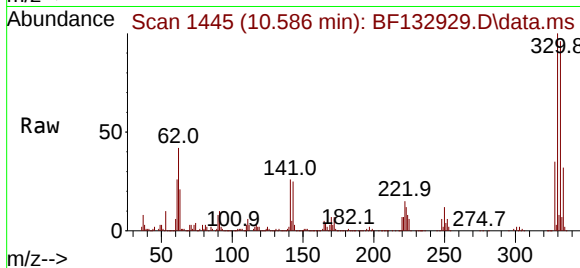
Acq: 20 Apr 2023 00:17

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17



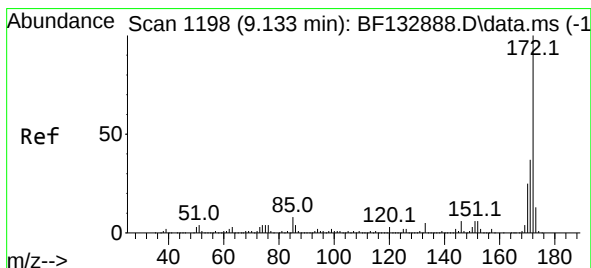
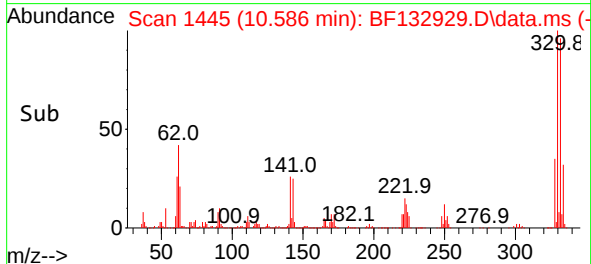
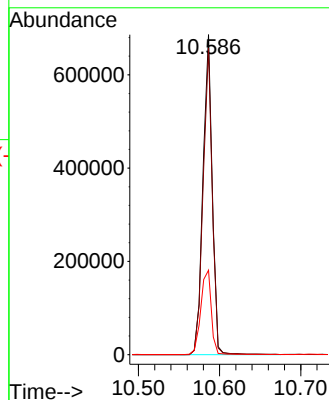
Tgt Ion:330 Resp: 545888

Ion Ratio Lower Upper

330 100

332 95.1 76.3 114.5

141 29.8 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 61.739 ng

RT: 9.122 min Scan# 1196

Delta R.T. -0.012 min

Lab File: BF132929.D

Acq: 20 Apr 2023 00:17

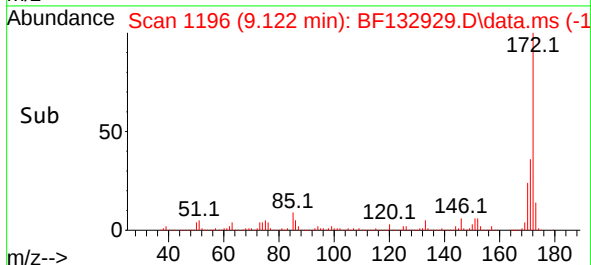
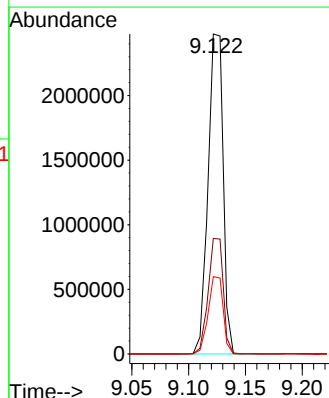
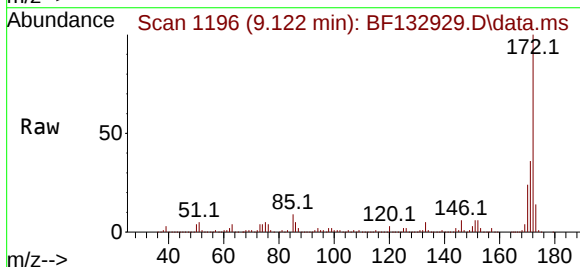
Tgt Ion:172 Resp: 2285392

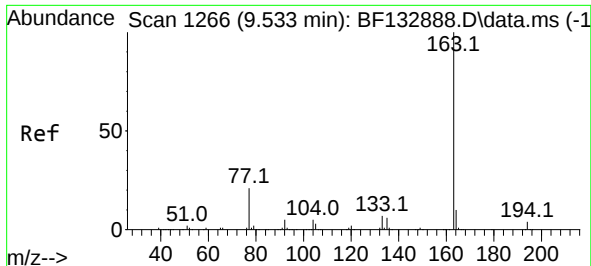
Ion Ratio Lower Upper

172 100

171 36.1 29.4 44.0

170 24.2 20.1 30.1

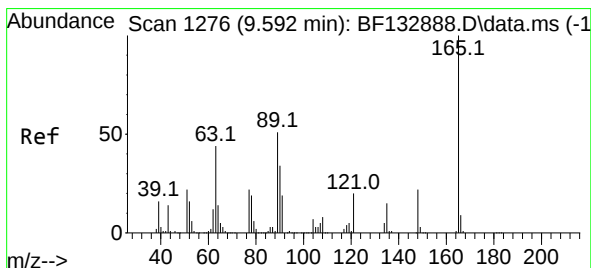
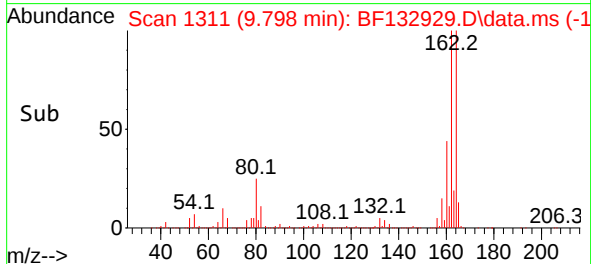
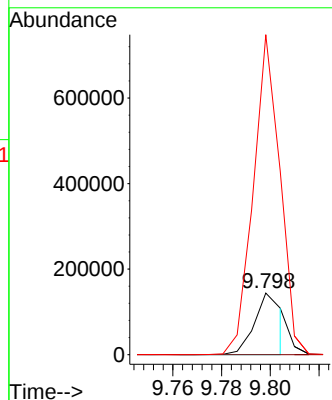
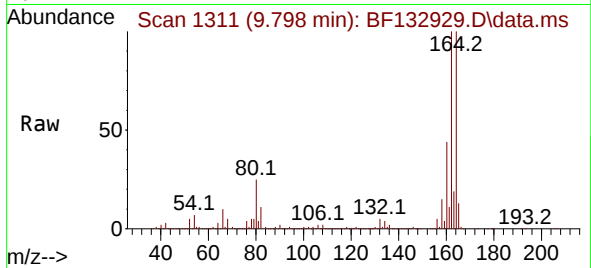




#50
Dimethylphthalate
Concen: 2.852 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.265 min
Lab File: BF132929.D
Acq: 20 Apr 2023 00:17

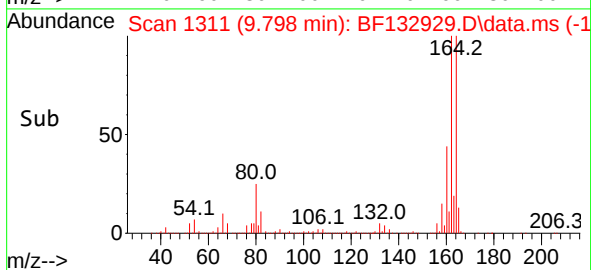
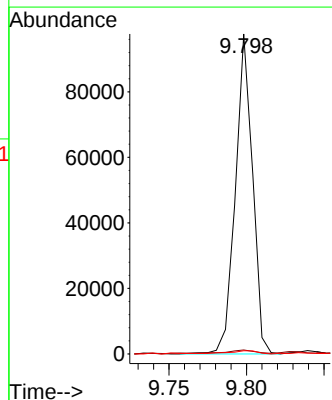
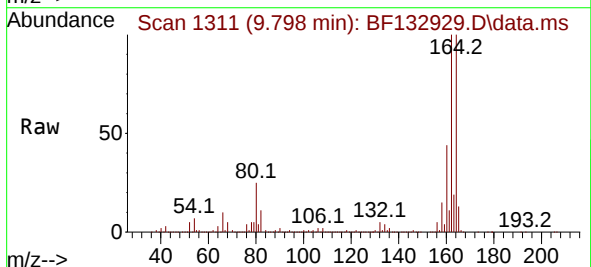
Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17

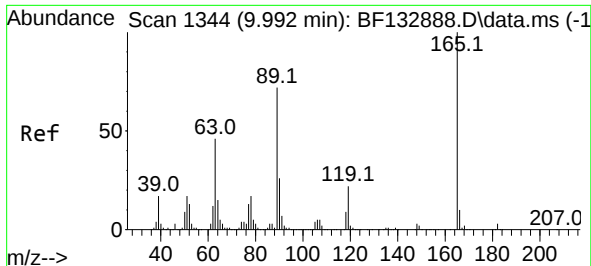
Tgt Ion:163 Resp: 112132
Ion Ratio Lower Upper
163 100
194 0.0 3.4 5.0#
164 519.3 8.3 12.5#



#51
2,6-Dinitrotoluene
Concen: 8.704 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.206 min
Lab File: BF132929.D
Acq: 20 Apr 2023 00:17

Tgt Ion:165 Resp: 75027
Ion Ratio Lower Upper
165 100
63 1.2 42.6 63.8#
89 1.0 41.0 61.4#





#57

2,4-Dinitrotoluene

Concen: 7.052 ng

RT: 9.798 min Scan# 11

Delta R.T. -0.194 min

Lab File: BF132929.D

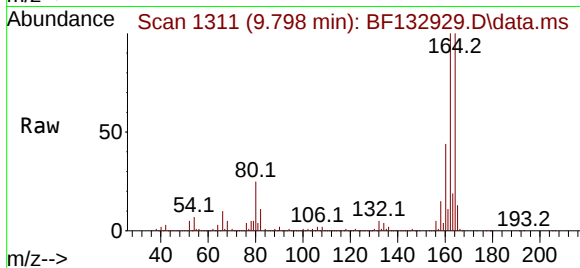
Acq: 20 Apr 2023 00:17

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17



Tgt Ion:165 Resp: 75027

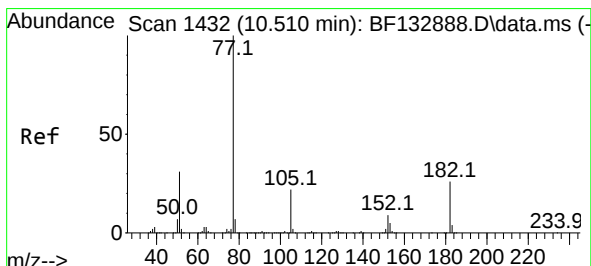
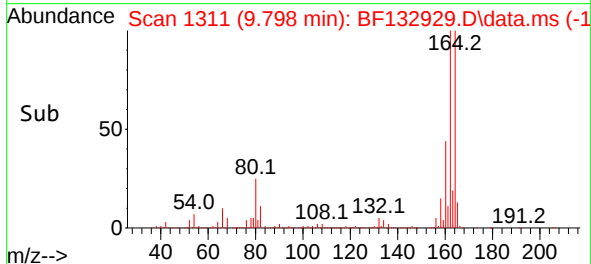
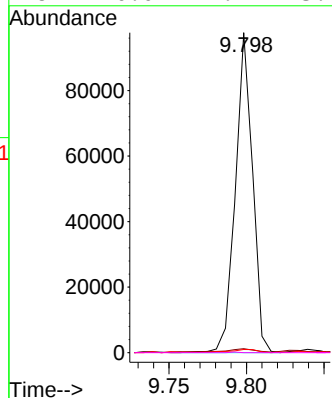
Ion Ratio Lower Upper

165 100

63 1.2 37.0 55.6#

89 1.0 57.8 86.6#

182 0.0 2.4 3.6#



#63

Azobenzene

Concen: 2.086 ng

RT: 10.510 min Scan# 1432

Delta R.T. 0.000 min

Lab File: BF132929.D

Acq: 20 Apr 2023 00:17

Tgt Ion: 77 Resp: 85617

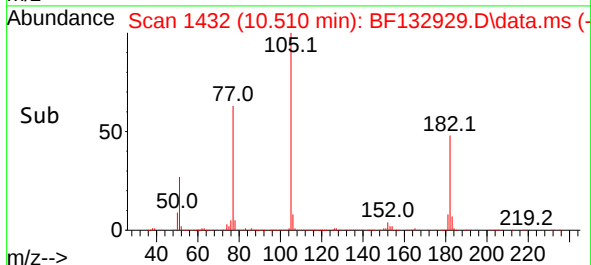
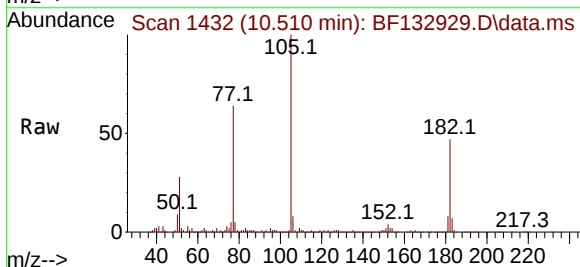
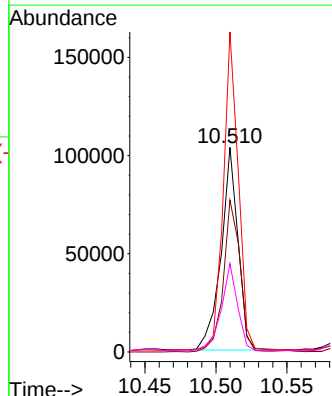
Ion Ratio Lower Upper

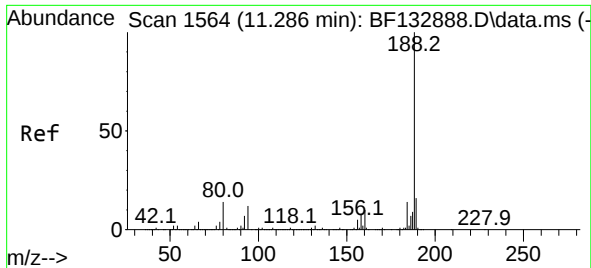
77 100

182 74.2 6.0 46.0#

105 156.4 1.6 41.6#

51 43.2 11.6 51.6

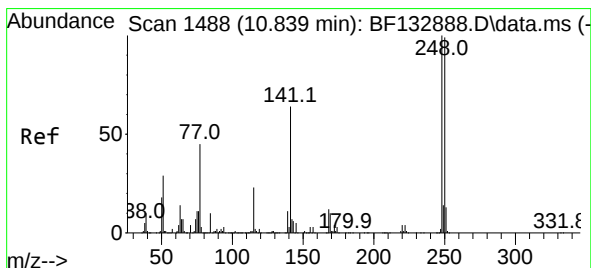
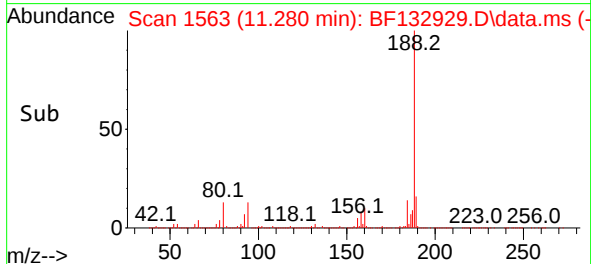
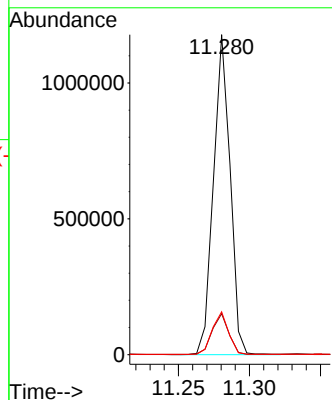
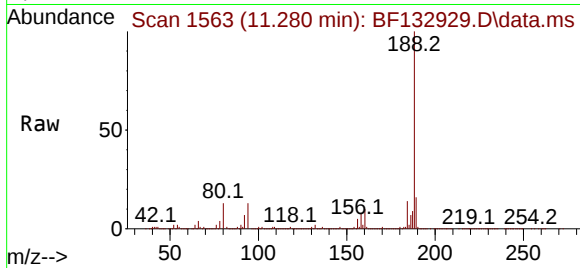




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132929.D
Acq: 20 Apr 2023 00:17

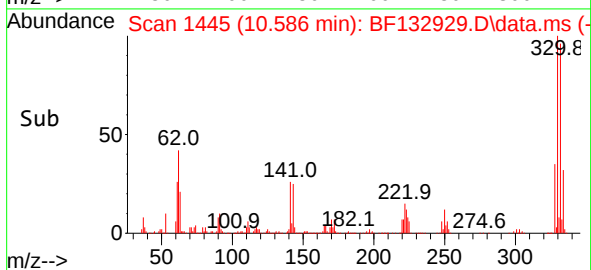
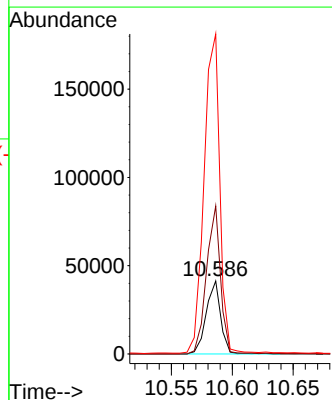
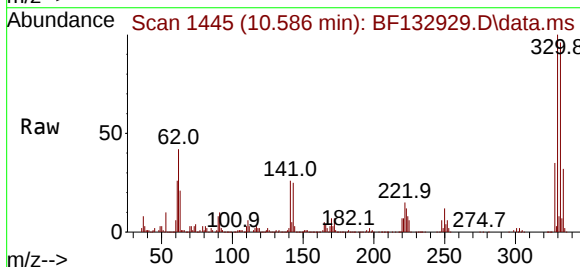
Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17

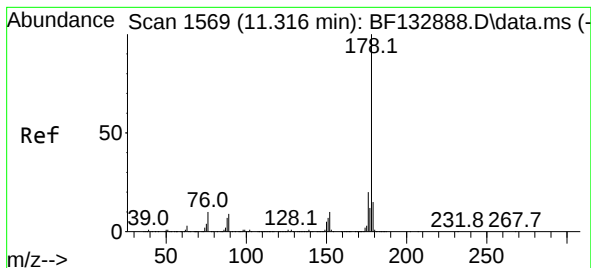
Tgt Ion:188 Resp: 959512
Ion Ratio Lower Upper
188 100
94 12.8 9.9 14.9
80 13.4 10.8 16.2



#67
4-Bromophenyl-phenylether
Concen: 3.107 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.253 min
Lab File: BF132929.D
Acq: 20 Apr 2023 00:17

Tgt Ion:248 Resp: 34042
Ion Ratio Lower Upper
248 100
250 202.9 79.1 118.7#
141 438.6 51.0 76.6#





#71

Phenanthrene

Concen: 2.004 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF132929.D

Acq: 20 Apr 2023 00:17

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17

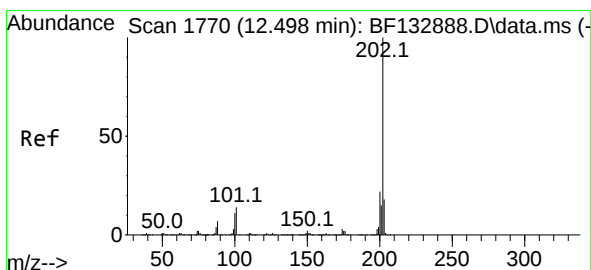
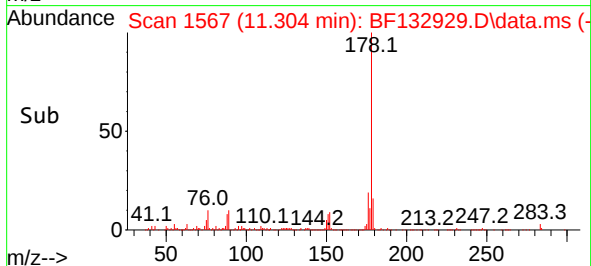
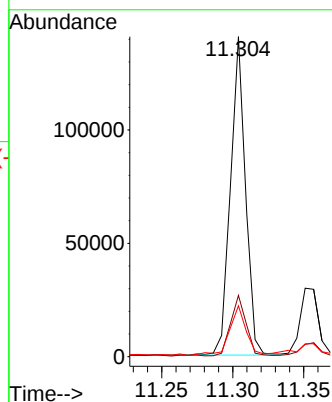
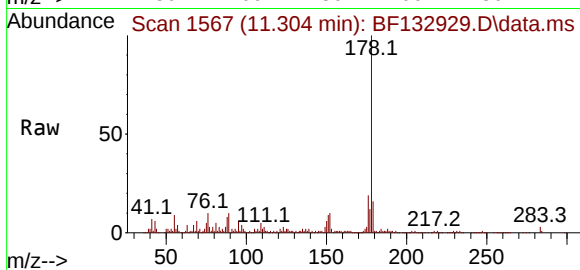
Tgt Ion:178 Resp: 103447

Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

179 15.9 12.3 18.5



#75

Fluoranthene

Concen: 4.115 ng

RT: 12.492 min Scan# 1769

Delta R.T. -0.006 min

Lab File: BF132929.D

Acq: 20 Apr 2023 00:17

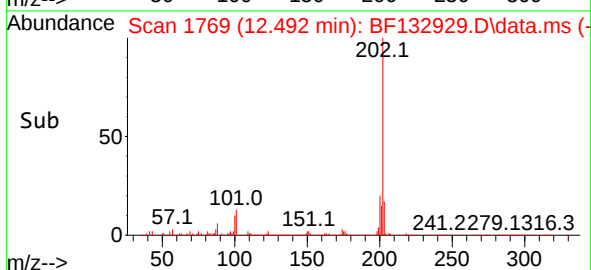
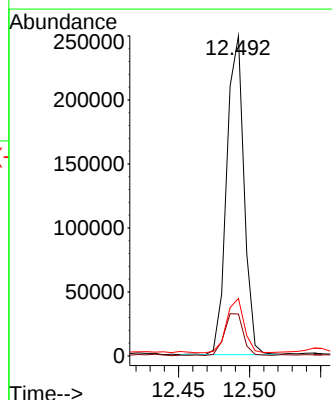
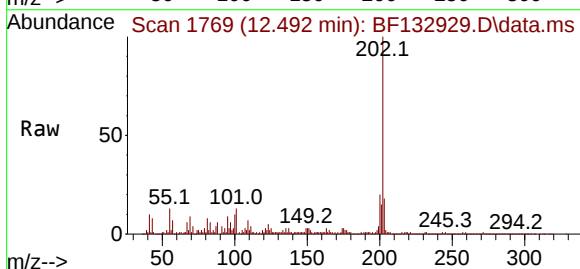
Tgt Ion:202 Resp: 211190

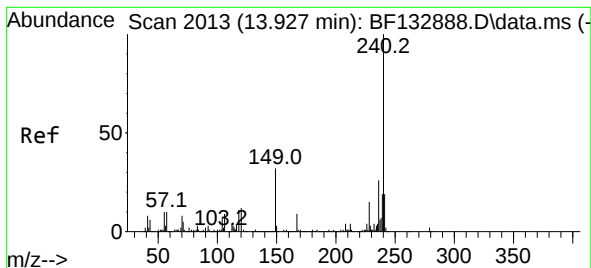
Ion Ratio Lower Upper

202 100

101 13.1 0.0 34.5

203 18.0 0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.916 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF132929.D

Acq: 20 Apr 2023 00:17

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17

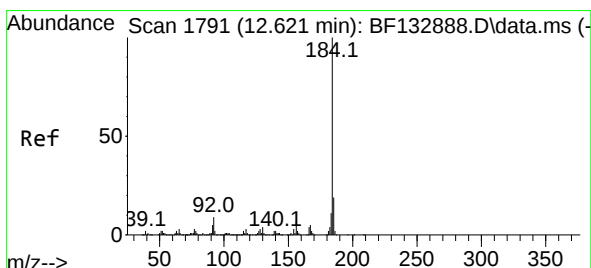
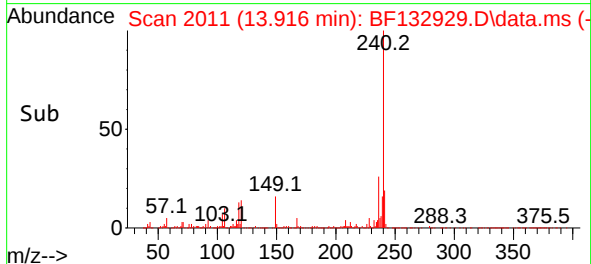
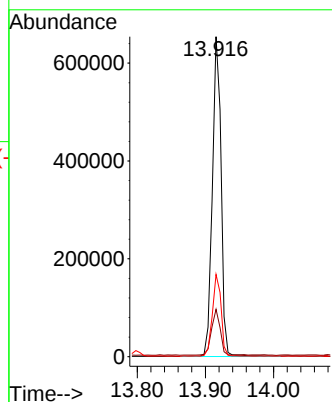
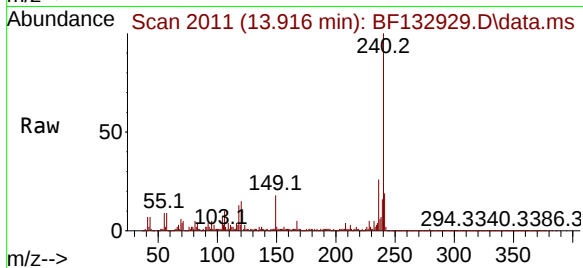
Tgt Ion:240 Resp: 582454

Ion Ratio Lower Upper

240 100

120 14.8 10.0 15.0

236 25.7 20.8 31.2



#77

Benzidine

Concen: 3.333 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.248 min

Lab File: BF132929.D

Acq: 20 Apr 2023 00:17

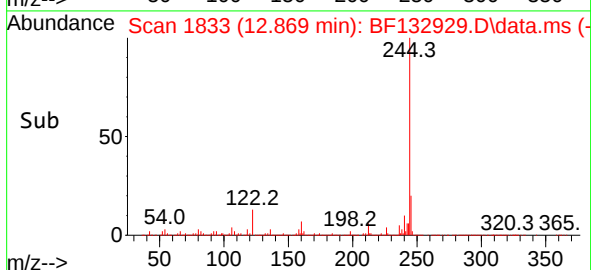
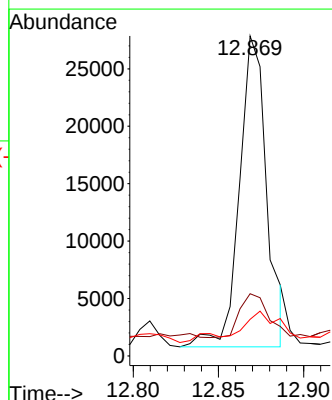
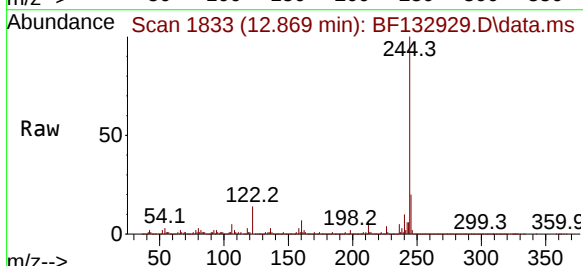
Tgt Ion:184 Resp: 30241

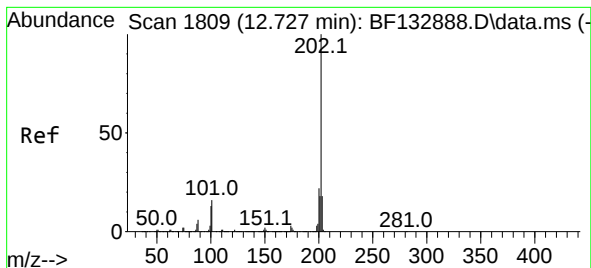
Ion Ratio Lower Upper

184 100

185 19.5 14.9 22.3

183 11.4 9.0 13.6





#78

Pyrene

Concen: 4.253 ng

RT: 12.716 min Scan# 1807

Delta R.T. -0.012 min

Lab File: BF132929.D

Acq: 20 Apr 2023 00:17

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17

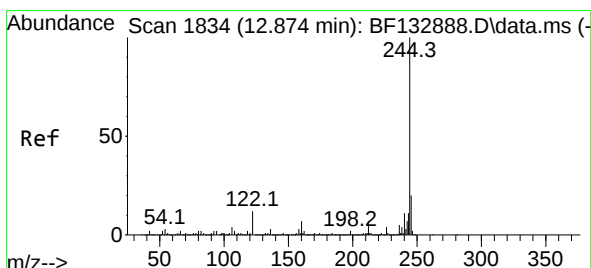
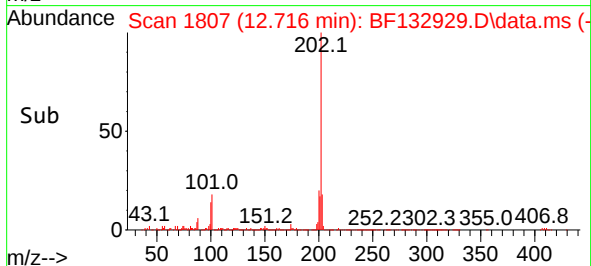
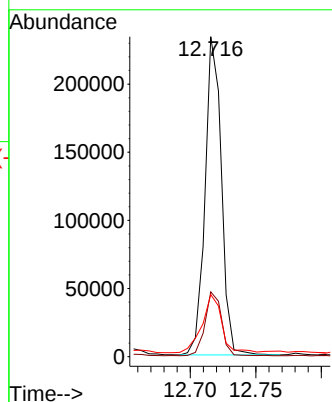
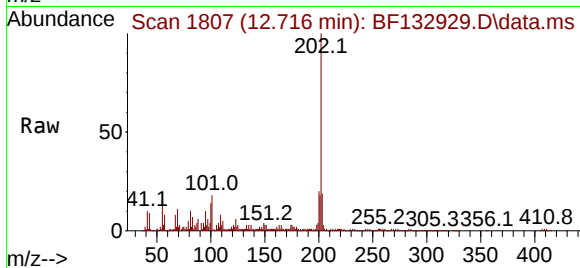
Tgt Ion:202 Resp: 202578

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

203 19.4 14.6 22.0



#79

Terphenyl-d14

Concen: 65.203 ng

RT: 12.869 min Scan# 1833

Delta R.T. -0.006 min

Lab File: BF132929.D

Acq: 20 Apr 2023 00:17

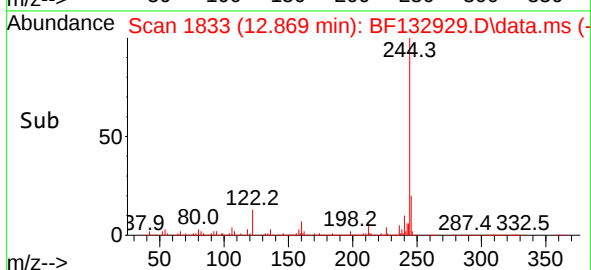
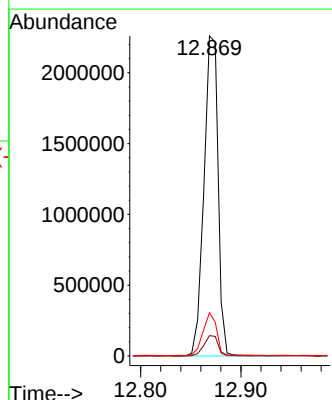
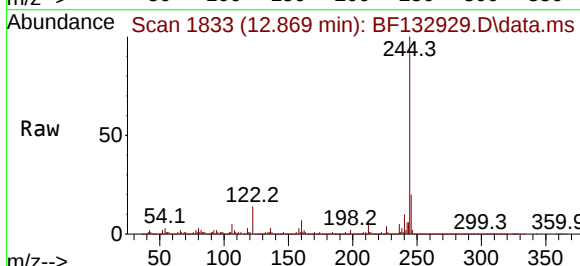
Tgt Ion:244 Resp: 2226045

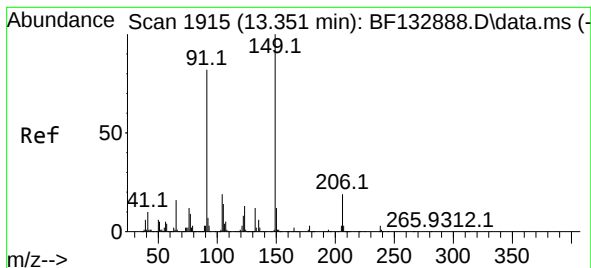
Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 13.5 9.6 14.4





#80

Butylbenzylphthalate

Concen: 6.581 ng

RT: 13.345 min Scan# 1915

Delta R.T. -0.006 min

Lab File: BF132929.D

Acq: 20 Apr 2023 00:17

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17

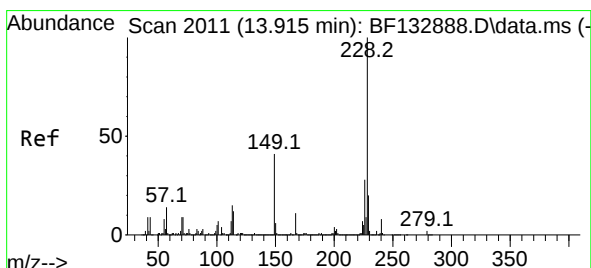
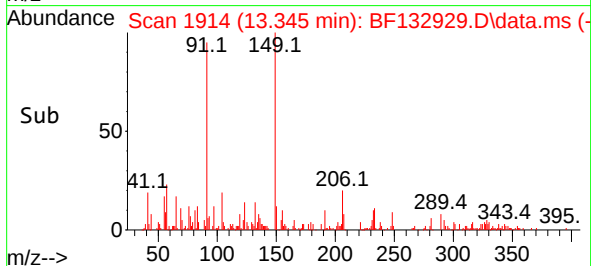
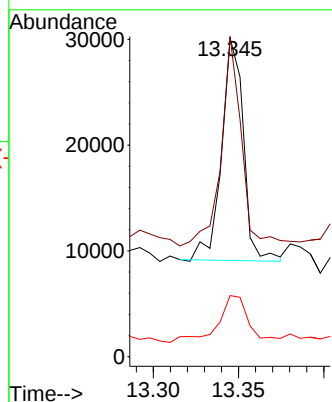
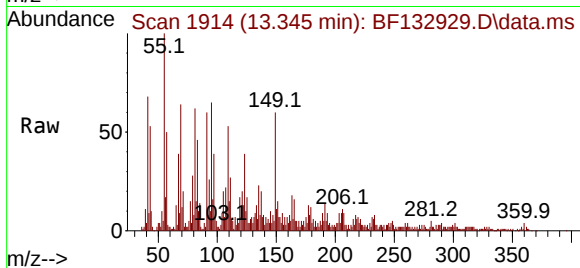
Tgt Ion:149 Resp: 18622

Ion Ratio Lower Upper

149 100

91 100.5 65.4 98.0#

206 19.2 15.6 23.4



#81

Benzo(a)anthracene

Concen: 2.496 ng

RT: 13.904 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BF132929.D

Acq: 20 Apr 2023 00:17

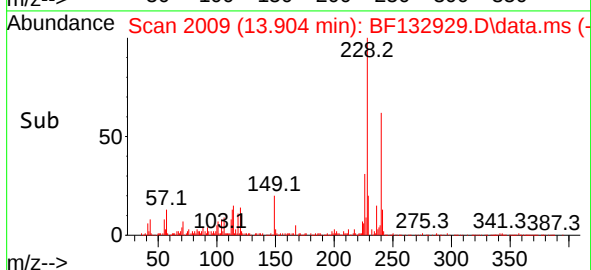
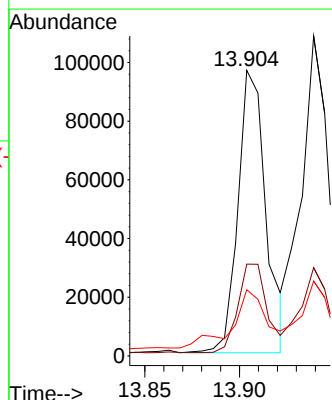
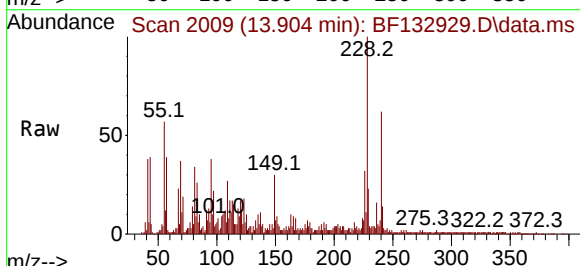
Tgt Ion:228 Resp: 98853

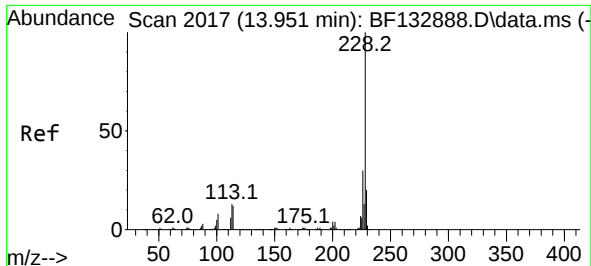
Ion Ratio Lower Upper

228 100

226 32.2 22.4 33.6

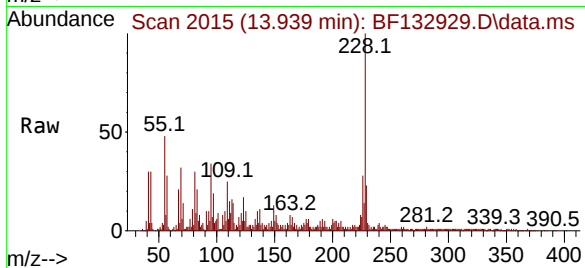
229 23.2 16.2 24.2



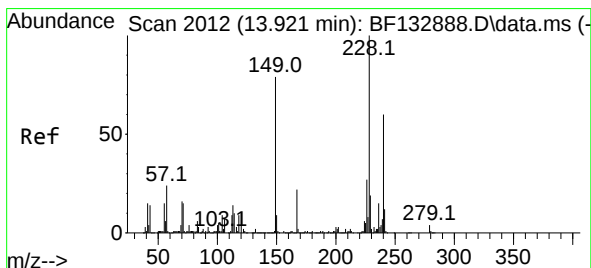
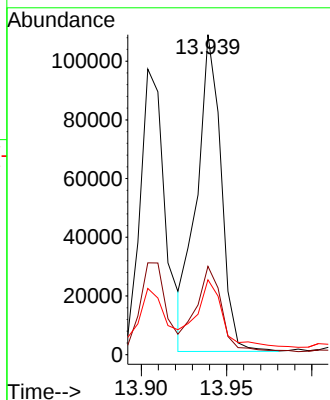
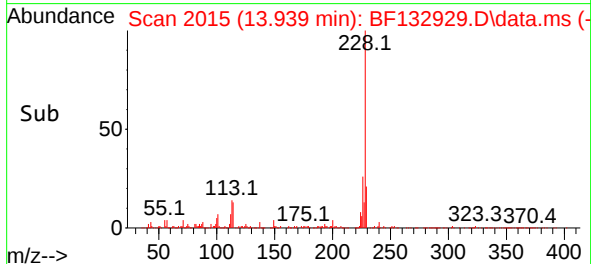


#83
Chrysene
Concen: 2.728 ng
RT: 13.939 min Scan# 2011
Delta R.T. -0.012 min
Lab File: BF132929.D
Acq: 20 Apr 2023 00:17

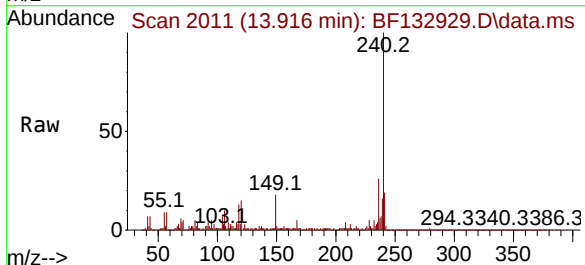
Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17



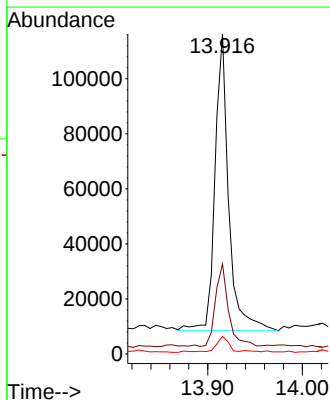
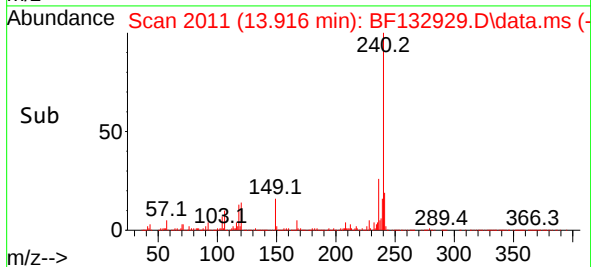
Tgt Ion:228 Resp: 107416
Ion Ratio Lower Upper
228 100
226 27.6 24.3 36.5
229 23.4 16.2 24.4

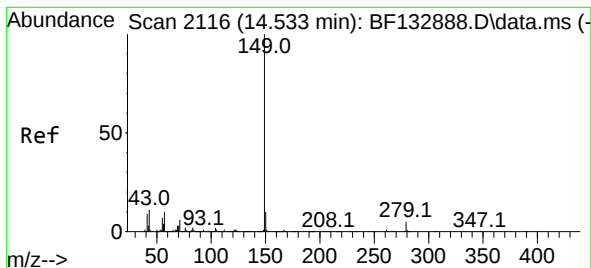


#84
Bis(2-ethylhexyl)phthalate
Concen: 7.185 ng
RT: 13.916 min Scan# 2011
Delta R.T. -0.005 min
Lab File: BF132929.D
Acq: 20 Apr 2023 00:17



Tgt Ion:149 Resp: 108237
Ion Ratio Lower Upper
149 100
167 28.1 22.2 33.4
279 5.5 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 6.462 ng

RT: 14.527 min Scan# 2115

Delta R.T. -0.006 min

Lab File: BF132929.D

Acq: 20 Apr 2023 00:17

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17

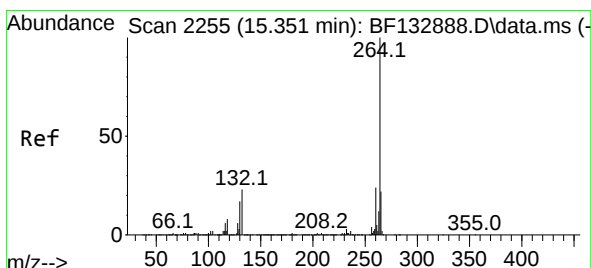
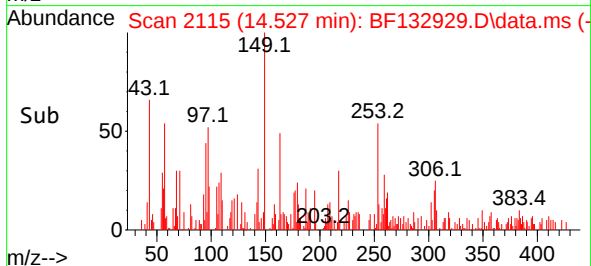
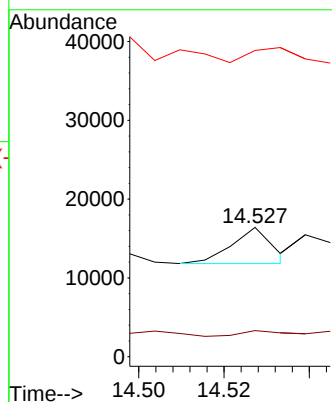
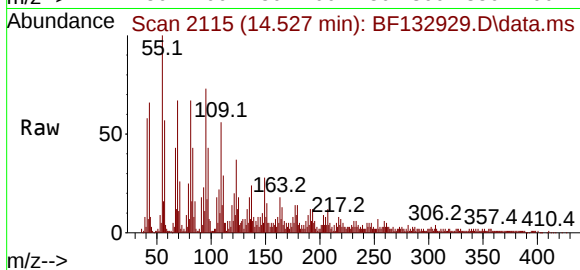
Tgt Ion:149 Resp: 2991

Ion Ratio Lower Upper

149 100

167 35.0 1.2 1.8#

43 0.0 11.5 17.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.351 min Scan# 2255

Delta R.T. -0.000 min

Lab File: BF132929.D

Acq: 20 Apr 2023 00:17

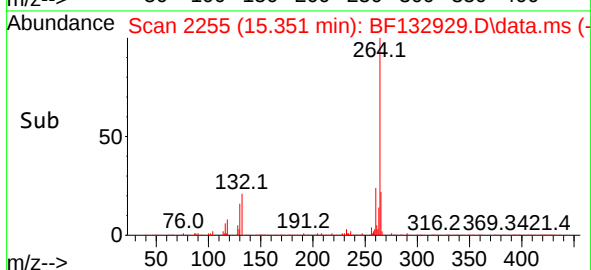
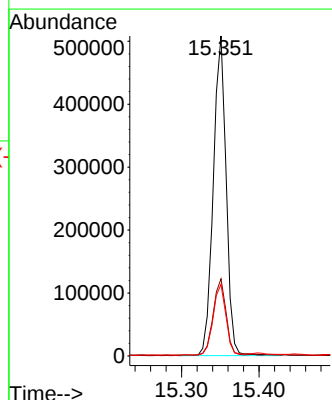
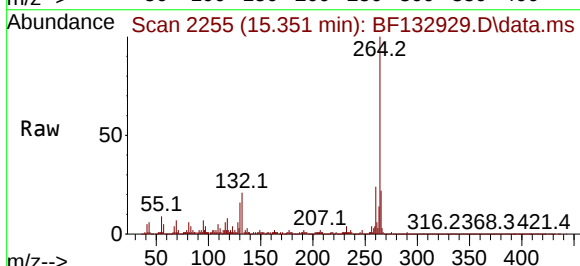
Tgt Ion:264 Resp: 585921

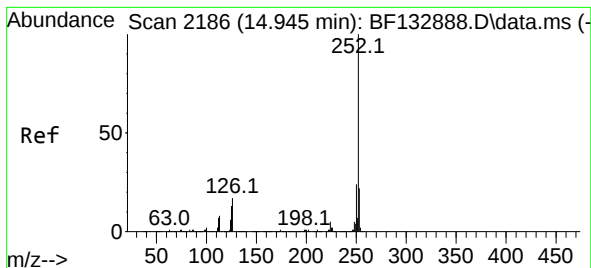
Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 22.3 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 5.692 ng

RT: 14.939 min Scan# 2185

Delta R.T. -0.006 min

Lab File: BF132929.D

Acq: 20 Apr 2023 00:17

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17

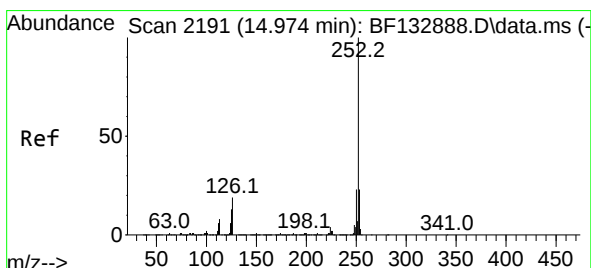
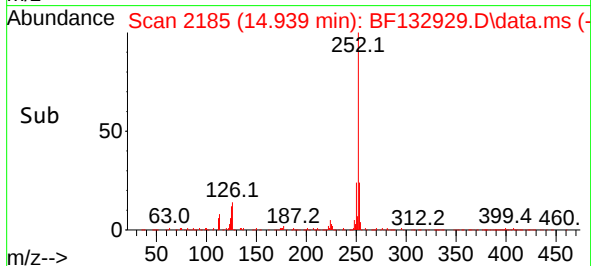
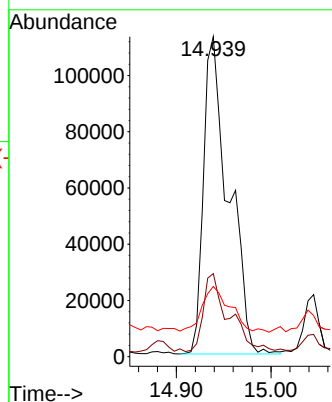
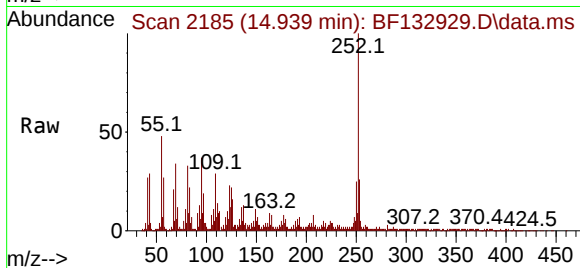
Tgt Ion:252 Resp: 207760

Ion Ratio Lower Upper

252 100

253 26.0 17.9 26.9

125 22.0 10.0 15.0#



#89

Benzo(k)fluoranthene

Concen: 5.714 ng

RT: 14.939 min Scan# 2185

Delta R.T. -0.035 min

Lab File: BF132929.D

Acq: 20 Apr 2023 00:17

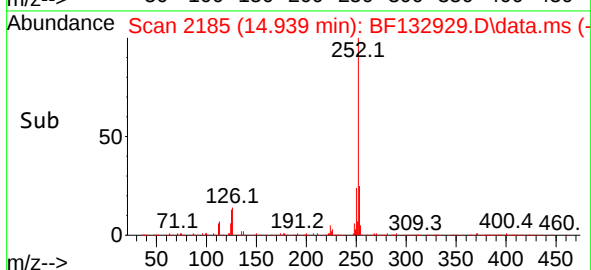
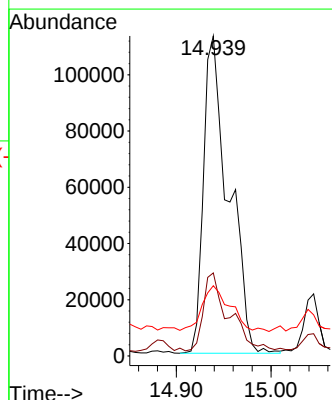
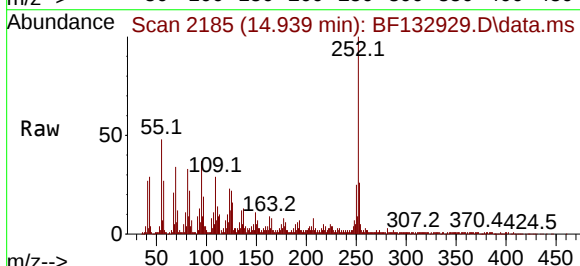
Tgt Ion:252 Resp: 207760

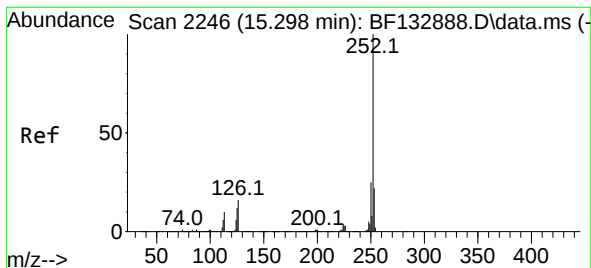
Ion Ratio Lower Upper

252 100

253 26.0 18.0 27.0

125 22.0 10.0 15.0#





#90

Benzo(a)pyrene

Concen: 2.903 ng

RT: 15.286 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF132929.D

Acq: 20 Apr 2023 00:17

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17

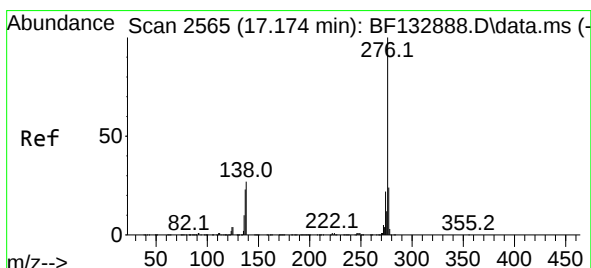
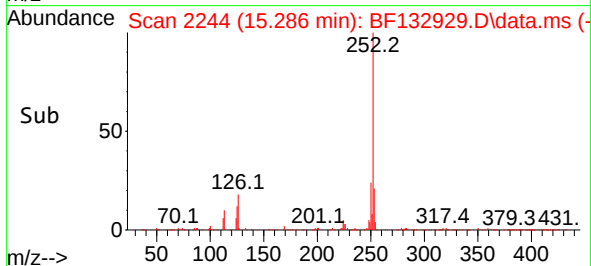
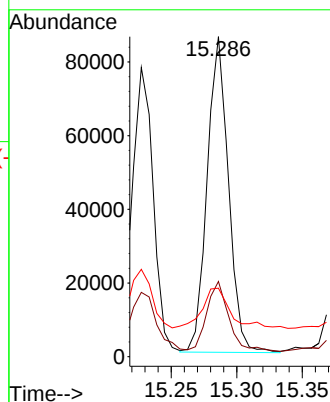
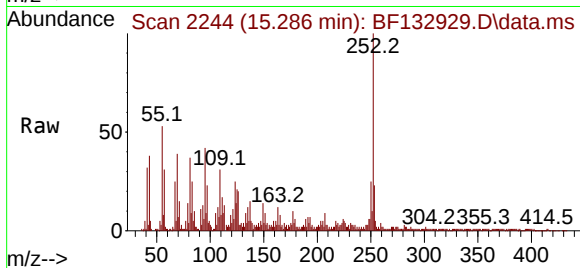
Tgt Ion:252 Resp: 96811

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 21.4 9.9 14.9#



#92

Benzo(g,h,i)perylene

Concen: 2.298 ng

RT: 17.157 min Scan# 2562

Delta R.T. -0.018 min

Lab File: BF132929.D

Acq: 20 Apr 2023 00:17

Tgt Ion:276 Resp: 62758

Ion Ratio Lower Upper

276 100

277 25.9 18.9 28.3

138 31.8 21.7 32.5

