

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
 Data File : BF132924.D
 Acq On : 19 Apr 2023 21:43
 Operator : CG\JU
 Sample : 02389-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Apr 20 01:51:07 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)

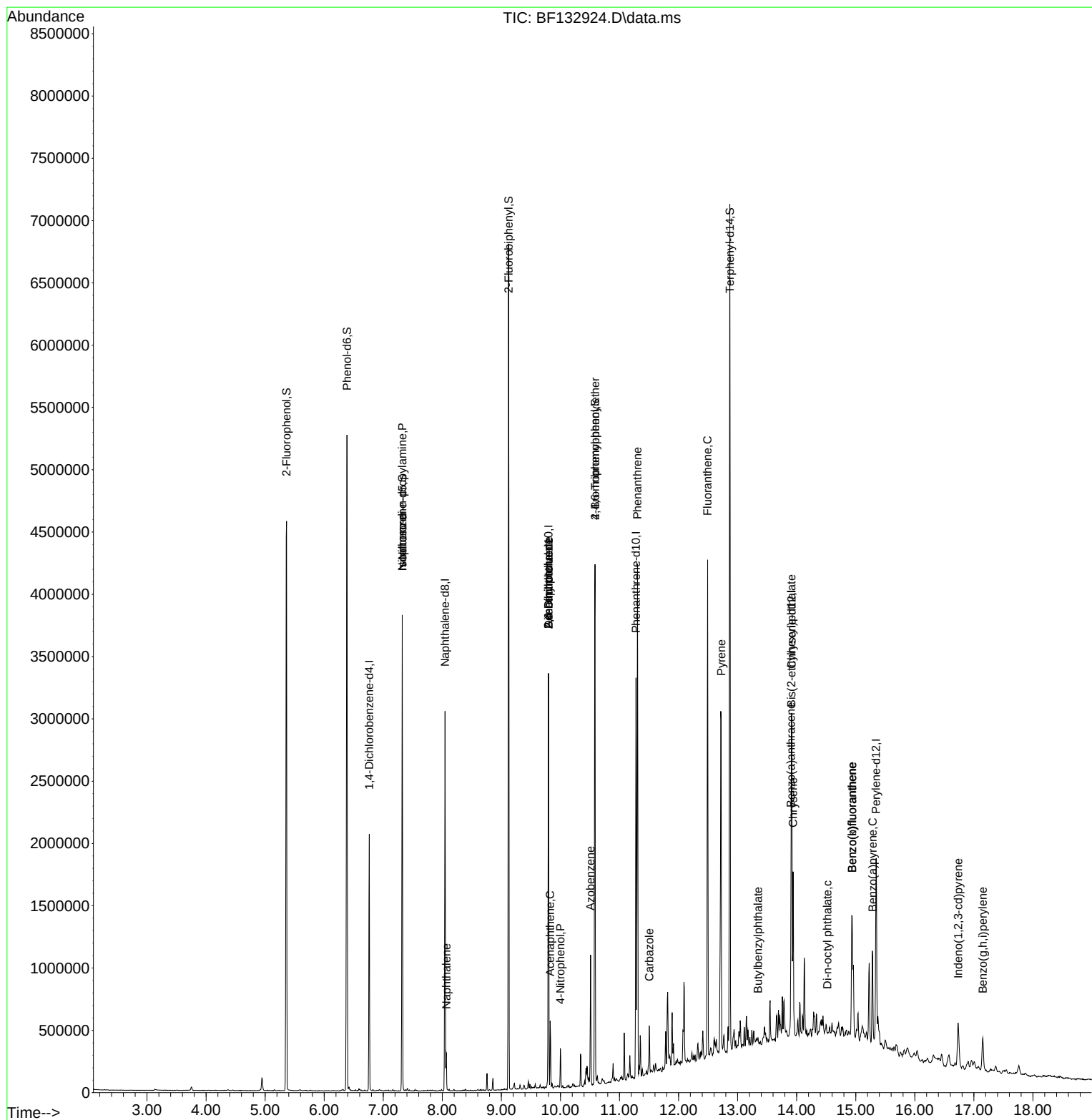
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	260662	20.000	ng	0.00
21) Naphthalene-d8	8.045	136	1093736	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	593969	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	1081109	20.000	ng	0.00
76) Chrysene-d12	13.916	240	636033	20.000	ng	-0.01
86) Perylene-d12	15.345	264	629964	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1271700	76.287	ng	0.00
7) Phenol-d6	6.387	99	1708328	80.311	ng	-0.01
23) Nitrobenzene-d5	7.322	82	1001119	47.711	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	496526	83.344	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	1863856	48.206	ng	-0.01
79) Terphenyl-d14	12.868	244	2251292	60.388	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	131289	9.888	ng	# 81
25) Isophorone	7.322	82	999884	25.122	ng	# 65
31) Naphthalene	8.069	128	120869	2.187	ng	97
50) Dimethylphthalate	9.798	163	118587	2.888	ng	# 1
51) 2,6-Dinitrotoluene	9.798	165	79000	8.774	ng	# 28
52) Acenaphthene	9.828	154	94815	2.648	ng	98
56) 4-Nitrophenol	9.998	139	37197	4.887	ng	# 16
57) 2,4-Dinitrotoluene	9.798	165	79000	7.109	ng	# 23
63) Azobenzene	10.510	77	156398	3.649	ng	# 1
67) 4-Bromophenyl-phenylether	10.586	248	29835	2.417	ng	# 1
71) Phenanthrene	11.304	178	1322620	22.744	ng	99
73) Carbazole	11.504	167	131621	2.555	ng	99
75) Fluoranthene	12.492	202	1409921	24.381	ng	100
78) Pyrene	12.721	202	1165636	22.413	ng	98
80) Butylbenzylphthalate	13.345	149	7264	5.651	ng	90
81) Benzo(a)anthracene	13.904	228	437138	10.106	ng	99
83) Chrysene	13.939	228	464188	10.797	ng	97
84) Bis(2-ethylhexyl)phtha...	13.910	149	52545	3.194	ng	96
85) Di-n-octyl phthalate	14.521	149	1886	6.429	ng	# 68
87) Indeno(1,2,3-cd)pyrene	16.733	276	211150	5.866	ng	94
88) Benzo(b)fluoranthene	14.939	252	695594	17.726	ng	# 97
89) Benzo(k)fluoranthene	14.939	252	695594	17.795	ng	# 97
90) Benzo(a)pyrene	15.286	252	334109	9.320	ng	98
92) Benzo(g,h,i)perylene	17.151	276	190671	6.493	ng	99

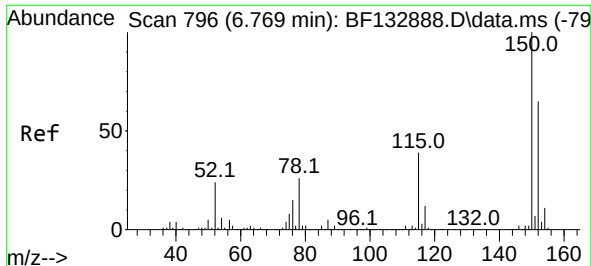
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
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Quant Time: Apr 20 01:51:07 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
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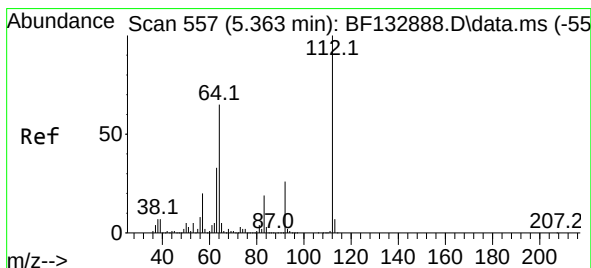
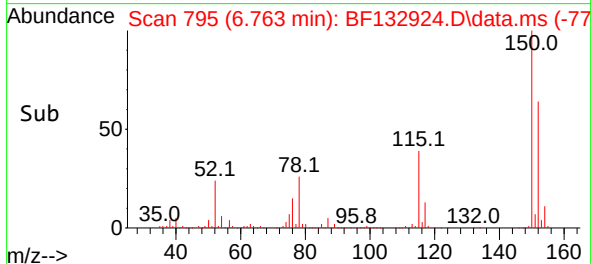
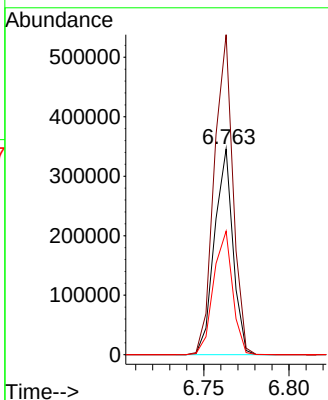
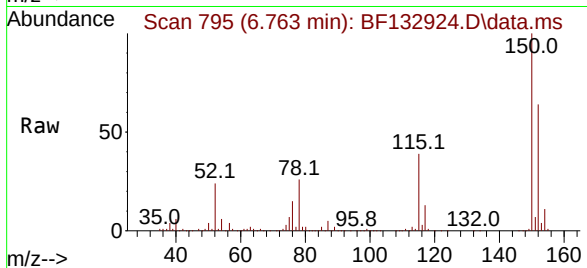




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.763 min Scan# 796
 Delta R.T. -0.006 min
 Lab File: BF132924.D
 Acq: 19 Apr 2023 21:43

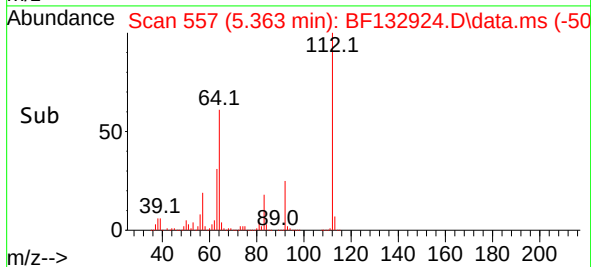
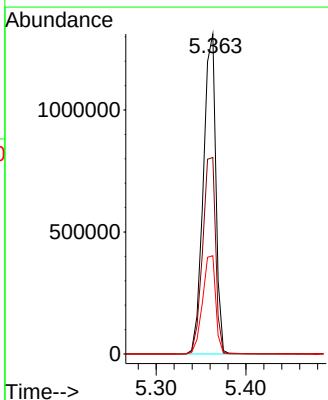
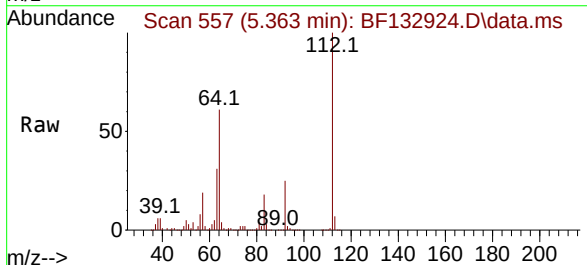
Instrument :
 BNA_F
 ClientSampleId :
 SPB-2WC-23-04-17

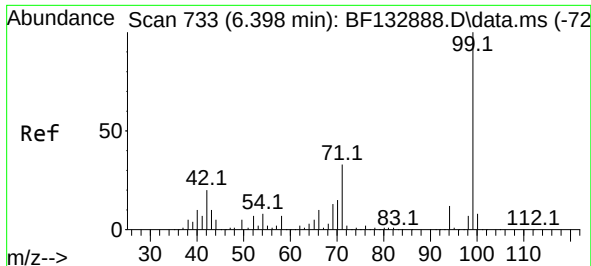
Tgt Ion:152 Resp: 260662
 Ion Ratio Lower Upper
 152 100
 150 155.5 122.8 184.2
 115 60.0 47.3 70.9



#5
 2-Fluorophenol
 Concen: 76.287 ng
 RT: 5.363 min Scan# 557
 Delta R.T. 0.000 min
 Lab File: BF132924.D
 Acq: 19 Apr 2023 21:43

Tgt Ion:112 Resp: 1271700
 Ion Ratio Lower Upper
 112 100
 64 61.4 51.8 77.8
 63 30.7 26.3 39.5

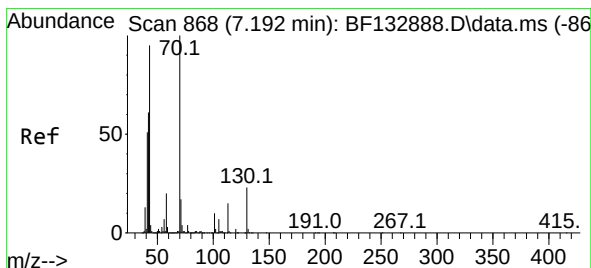
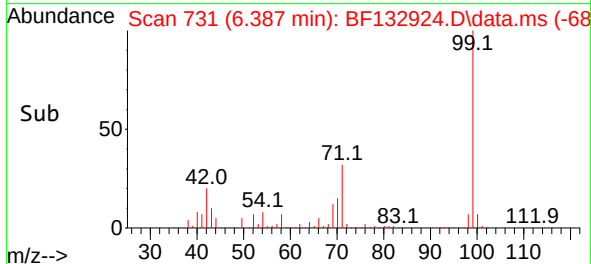
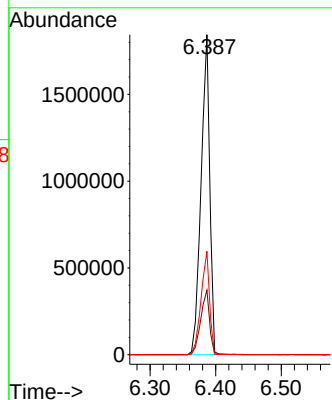
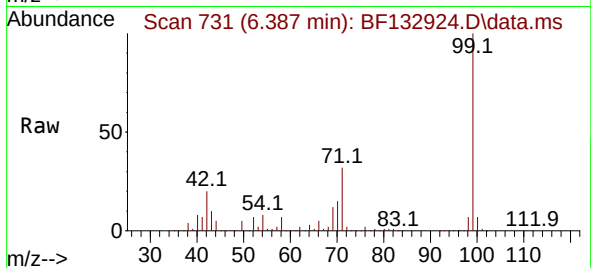




#7
Phenol-d6
Concen: 80.311 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

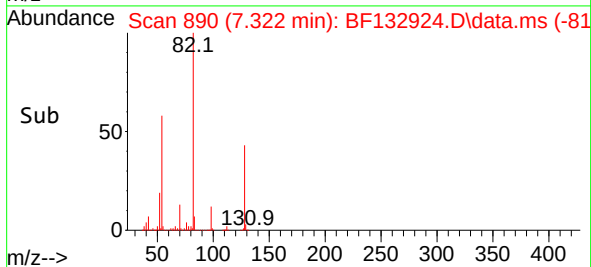
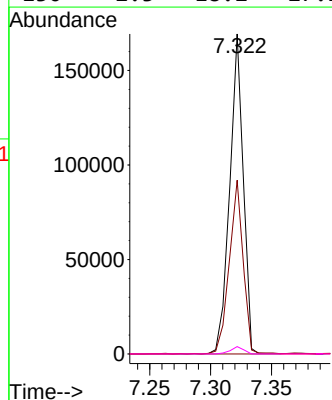
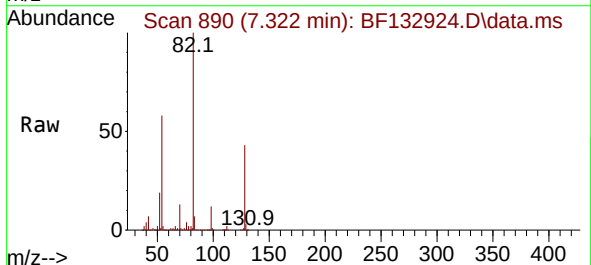
Instrument :
BNA_F
ClientSampleId :
SPB-2WC-23-04-17

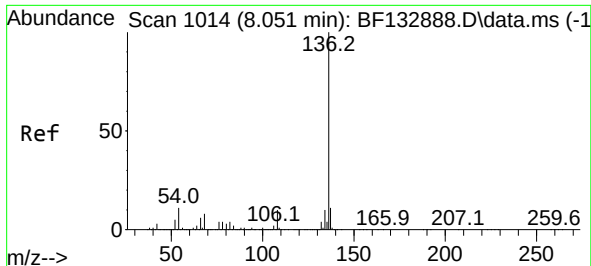
Tgt Ion: 99 Resp: 1708328
Ion Ratio Lower Upper
99 100
42 20.2 16.1 24.1
71 32.3 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 9.888 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.129 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

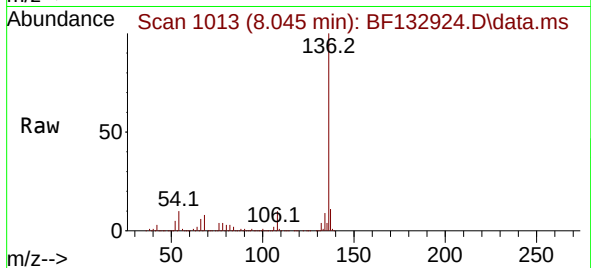
Tgt Ion: 70 Resp: 131289
Ion Ratio Lower Upper
70 100
42 54.3 49.0 73.6
101 0.0 8.1 12.1#
130 2.3 18.2 27.2#



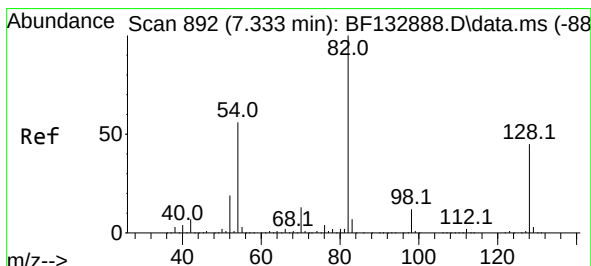
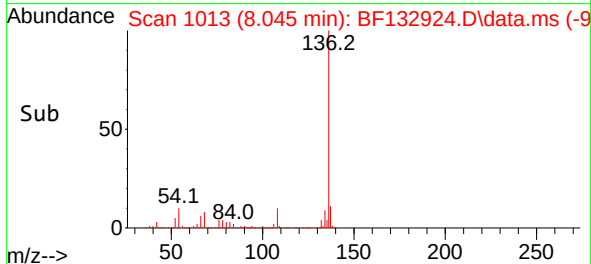
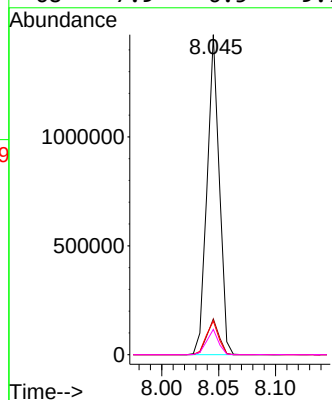


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.045 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

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

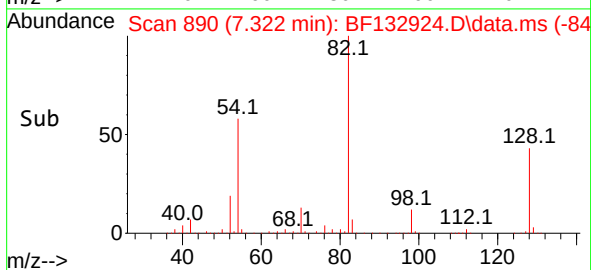
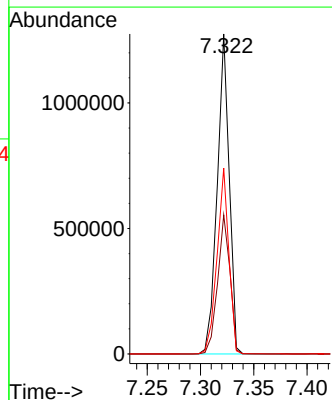
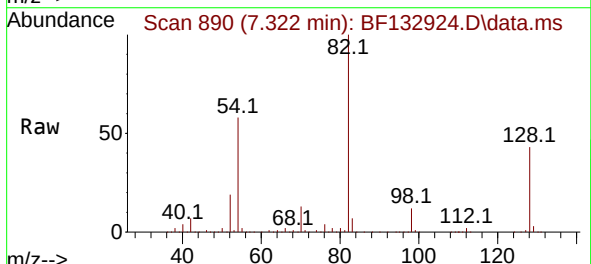


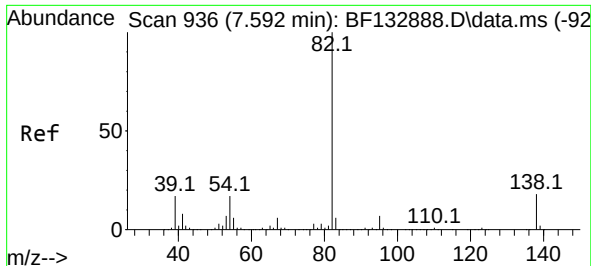
Tgt Ion:136 Resp: 1093736
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 10.5 8.9 13.3
68 7.9 6.5 9.7



#23
Nitrobenzene-d5
Concen: 47.711 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

Tgt Ion: 82 Resp: 1001119
Ion Ratio Lower Upper
82 100
128 43.5 35.7 53.5
54 58.1 44.7 67.1

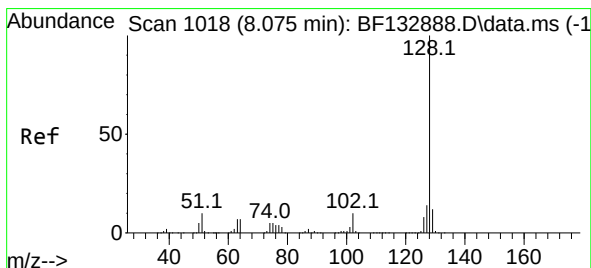
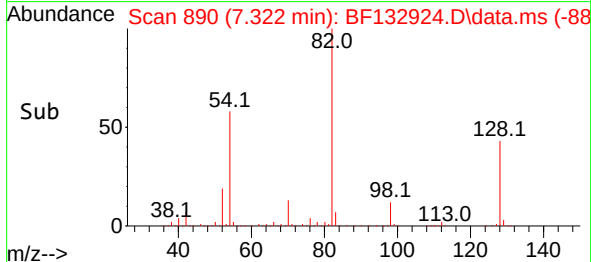
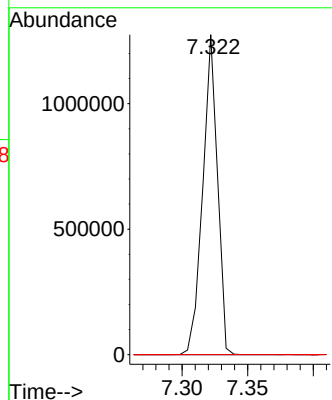
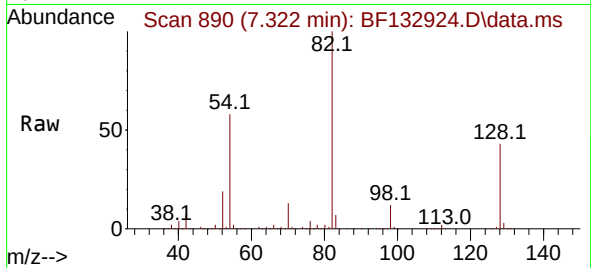




#25
Isophorone
Concen: 25.122 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.271 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

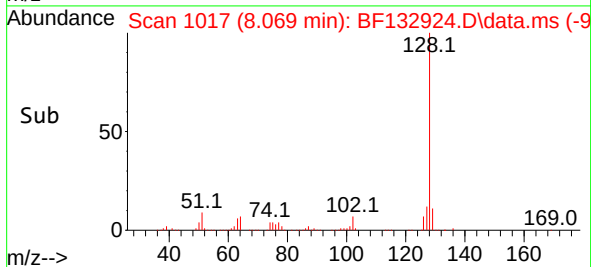
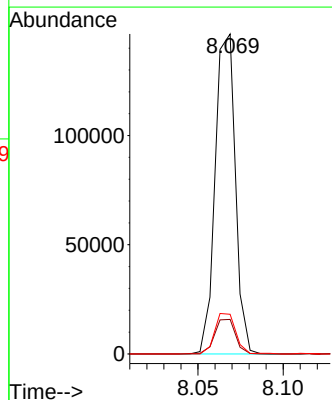
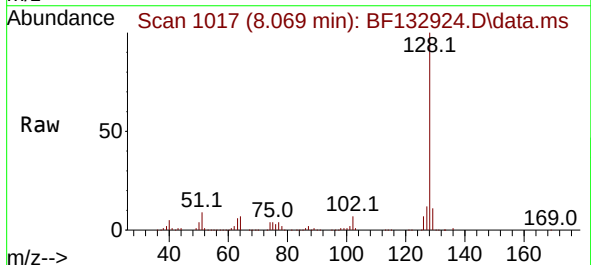
Instrument :
BNA_F
ClientSampleId :
SPB-2WC-23-04-17

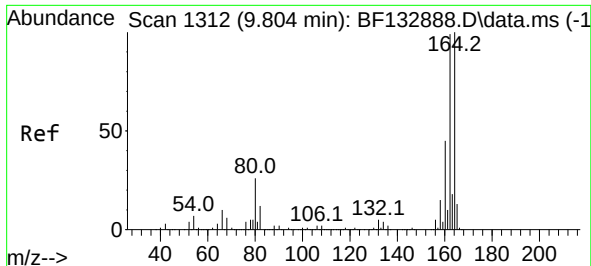
Tgt Ion: 82 Resp: 999884
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 2.187 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

Tgt Ion: 128 Resp: 120869
Ion Ratio Lower Upper
128 100
129 10.8 9.4 14.0
127 12.4 11.0 16.6

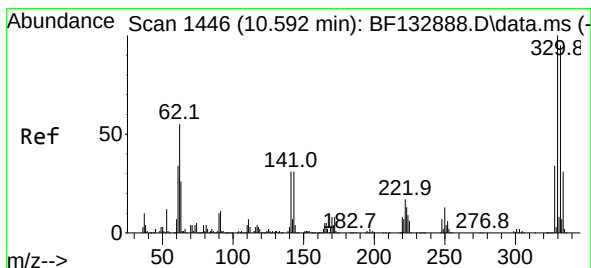
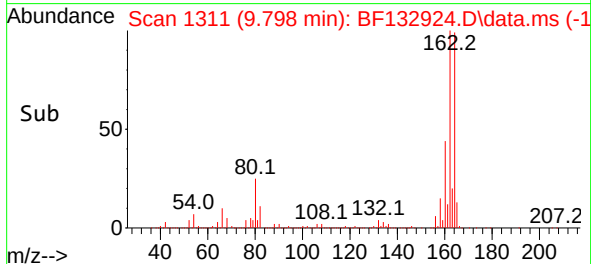
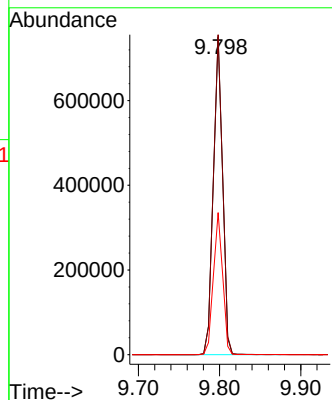
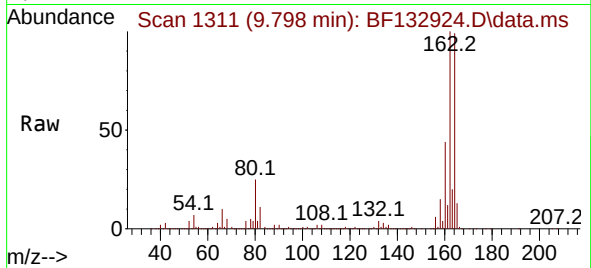




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

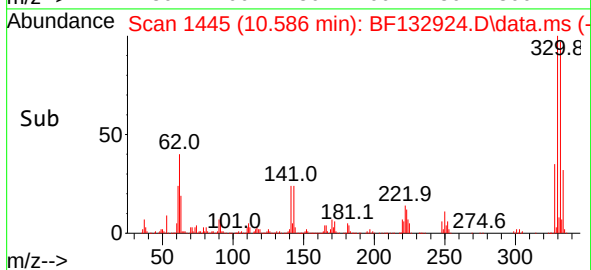
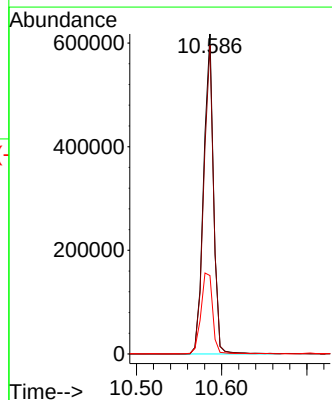
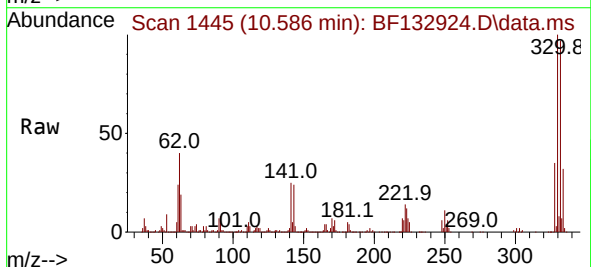
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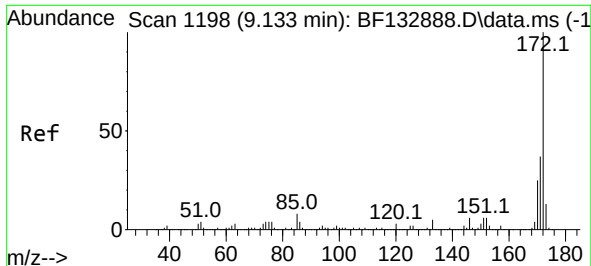
Tgt Ion:164 Resp: 593969
Ion Ratio Lower Upper
164 100
162 100.7 79.1 118.7
160 44.7 35.6 53.4



#42
2,4,6-Tribromophenol
Concen: 83.344 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

Tgt Ion:330 Resp: 496526
Ion Ratio Lower Upper
330 100
332 96.4 76.3 114.5
141 29.8 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 48.206 ng

RT: 9.122 min Scan# 1196

Delta R.T. -0.012 min

Lab File: BF132924.D

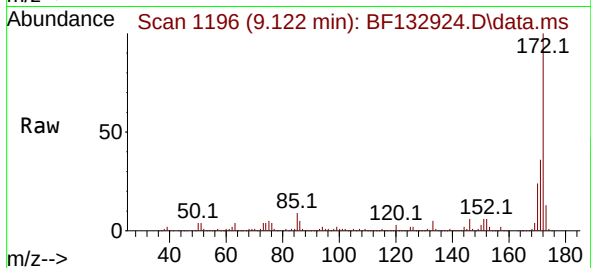
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Instrument :

BNA_F

ClientSampleId :

SPB-2WC-23-04-17



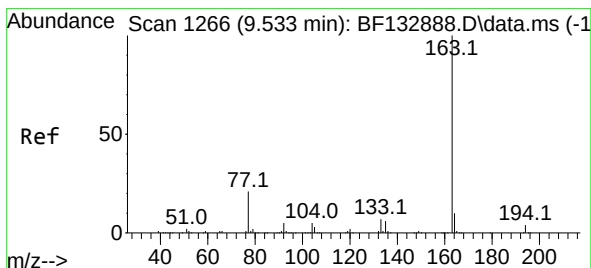
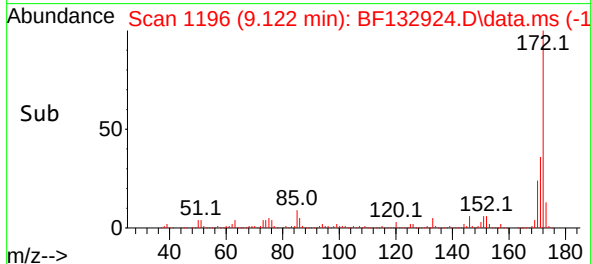
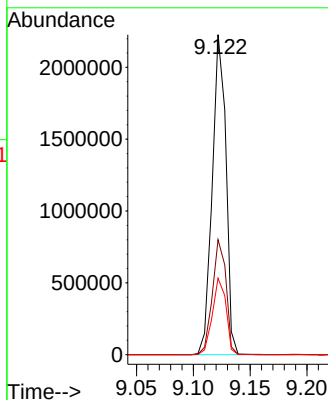
Tgt Ion:172 Resp: 1863856

Ion Ratio Lower Upper

172 100

171 36.0 29.4 44.0

170 23.9 20.1 30.1



#50

Dimethylphthalate

Concen: 2.888 ng

RT: 9.798 min Scan# 1311

Delta R.T. 0.265 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

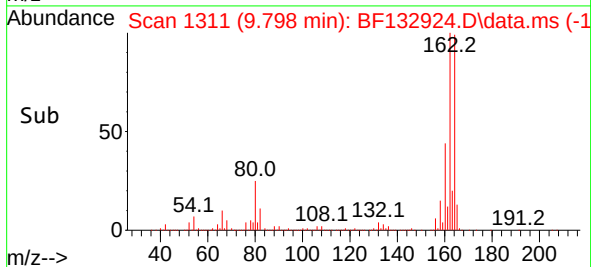
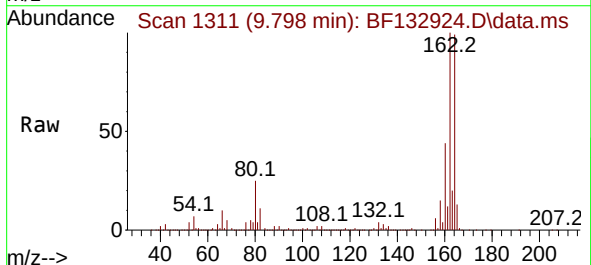
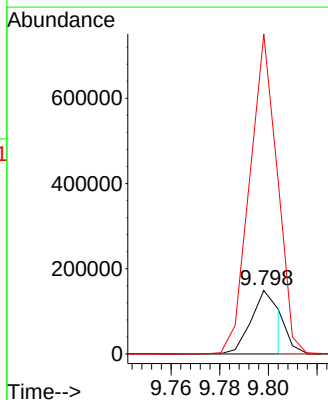
Tgt Ion:163 Resp: 118587

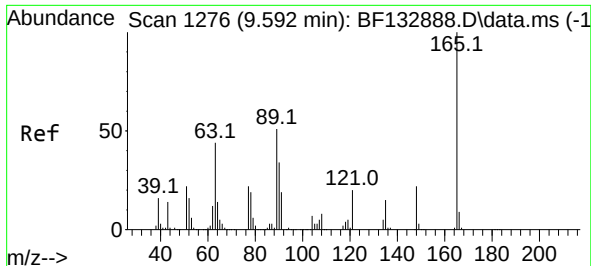
Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.0#

164 503.3 8.3 12.5#

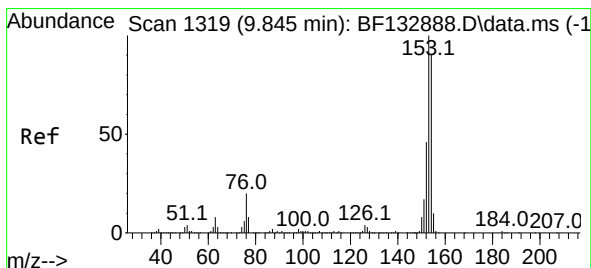
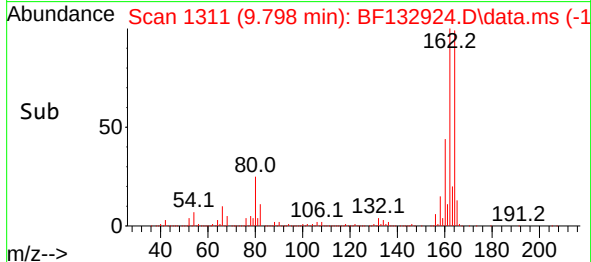
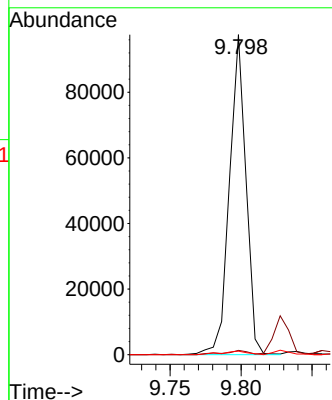
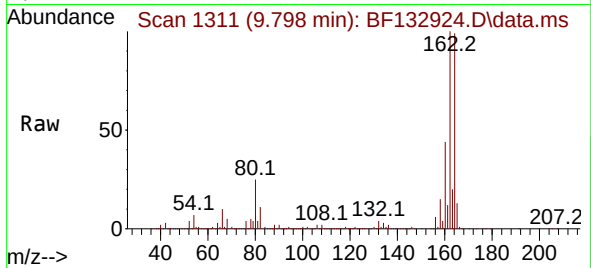




#51
2,6-Dinitrotoluene
Concen: 8.774 ng
RT: 9.798 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

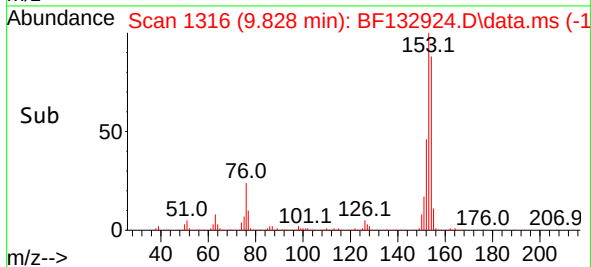
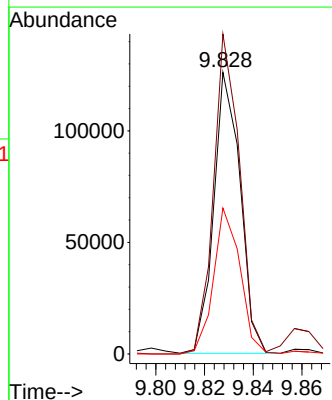
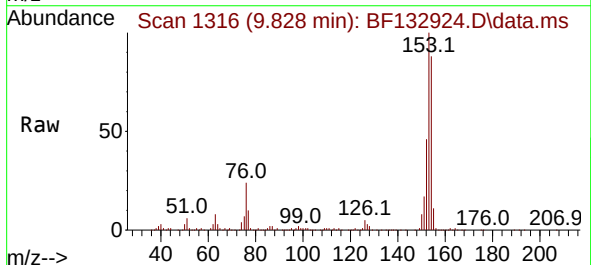
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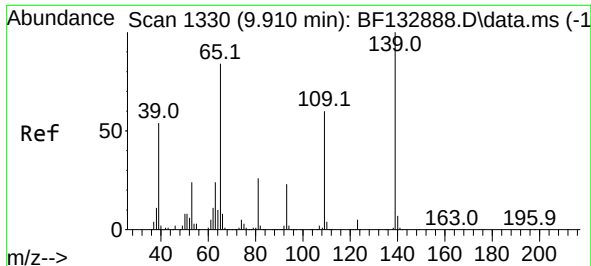
Tgt Ion:165 Resp: 79000
Ion Ratio Lower Upper
165 100
63 1.4 42.6 63.8#
89 1.1 41.0 61.4#



#52
Acenaphthene
Concen: 2.648 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.018 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

Tgt Ion:154 Resp: 94815
Ion Ratio Lower Upper
154 100
153 113.6 88.8 133.2
152 51.8 41.2 61.8

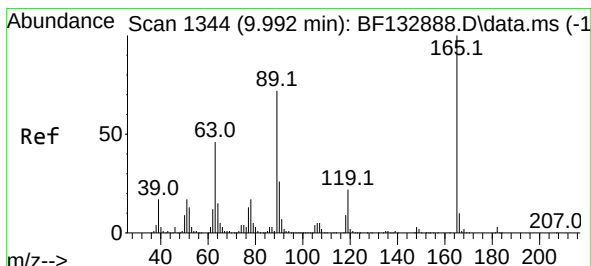
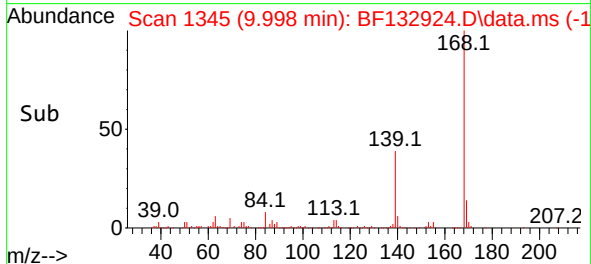
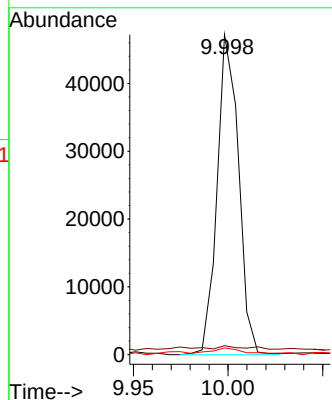
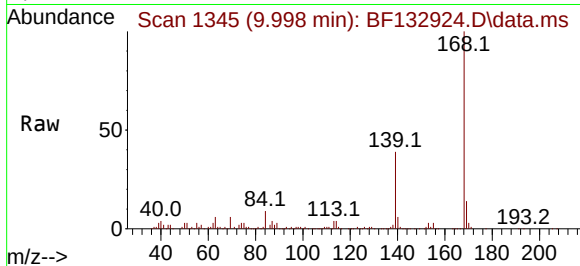




#56
4-Nitrophenol
Concen: 4.887 ng
RT: 9.998 min Scan# 1311
Delta R.T. 0.088 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

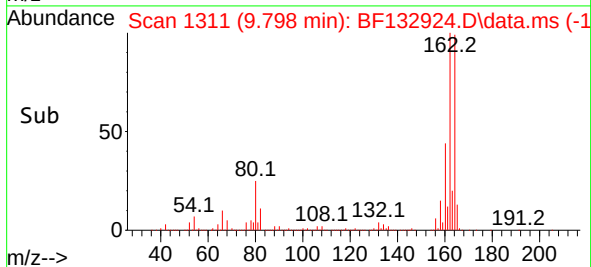
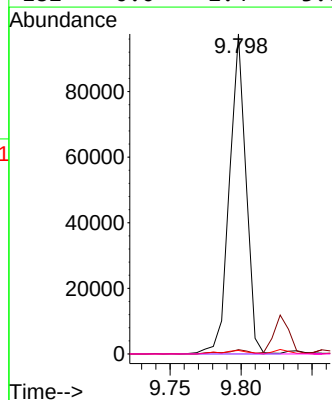
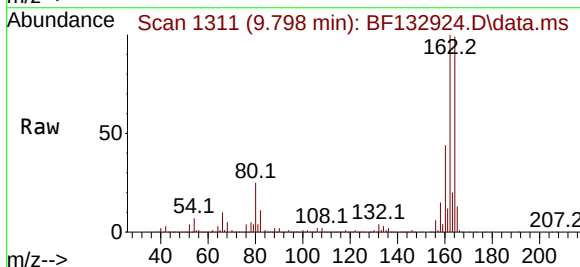
Instrument :
BNA_F
ClientSampleId :
SPB-2WC-23-04-17

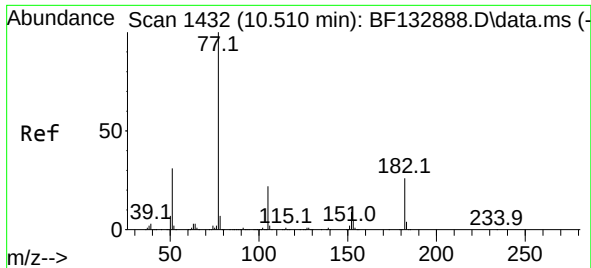
Tgt Ion:139 Resp: 37197
Ion Ratio Lower Upper
139 100
109 2.8 40.4 80.4#
65 2.1 64.2 104.2#



#57
2,4-Dinitrotoluene
Concen: 7.109 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.194 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

Tgt Ion:165 Resp: 79000
Ion Ratio Lower Upper
165 100
63 1.4 37.0 55.6#
89 1.1 57.8 86.6#
182 0.0 2.4 3.6#

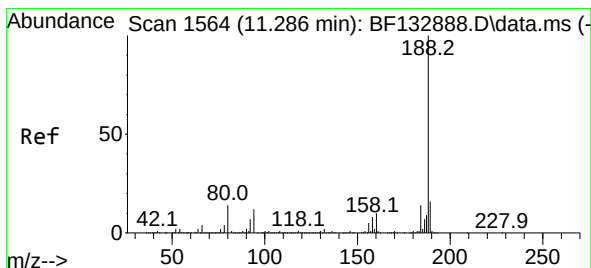
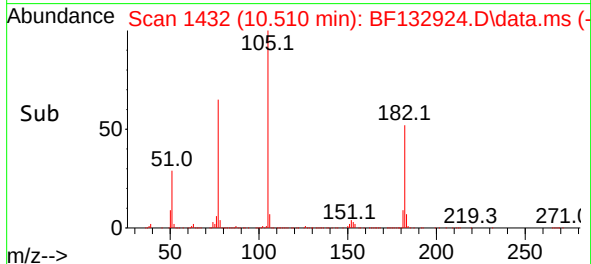
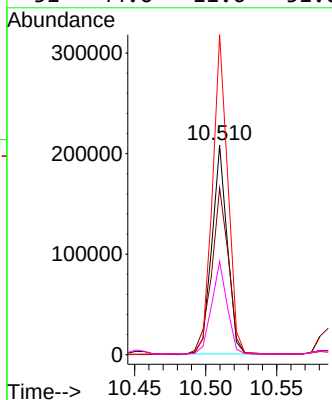
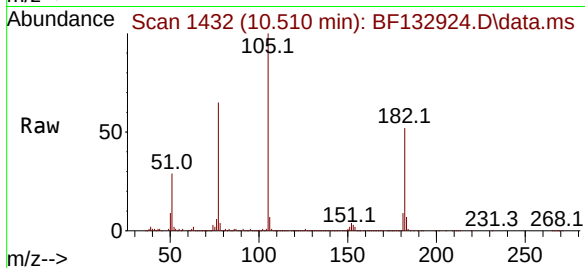




#63
Azobenzene
Concen: 3.649 ng
RT: 10.510 min Scan# 1432
Delta R.T. 0.000 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

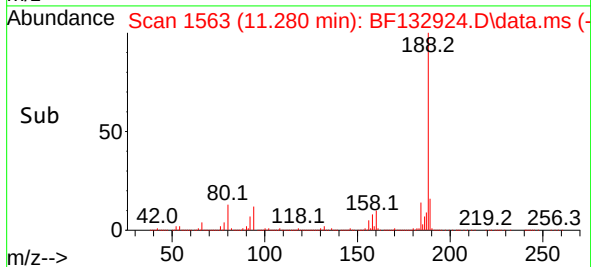
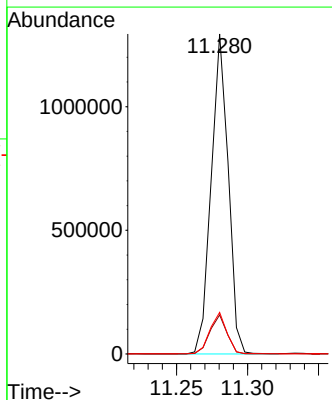
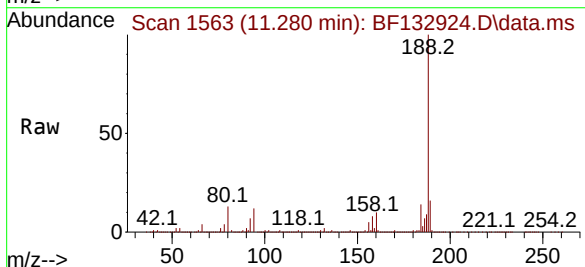
Instrument :
BNA_F
ClientSampleId :
SPB-2WC-23-04-17

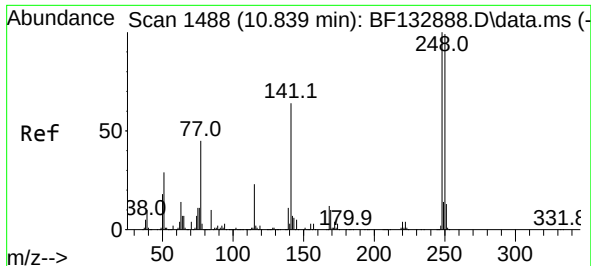
Tgt Ion: 77	Resp: 156398
Ion Ratio	Lower Upper
77 100	
182 79.7	6.0 46.0#
105 152.8	1.6 41.6#
51 44.6	11.6 51.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

Tgt Ion: 188	Resp: 1081109
Ion Ratio	Lower Upper
188 100	
94 12.2	9.9 14.9
80 13.0	10.8 16.2

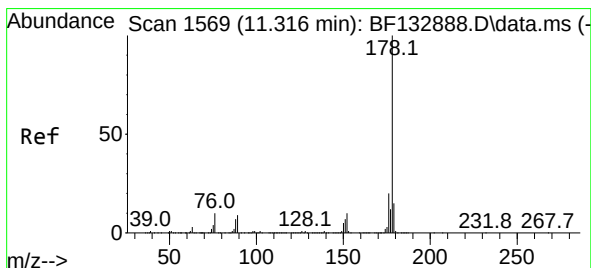
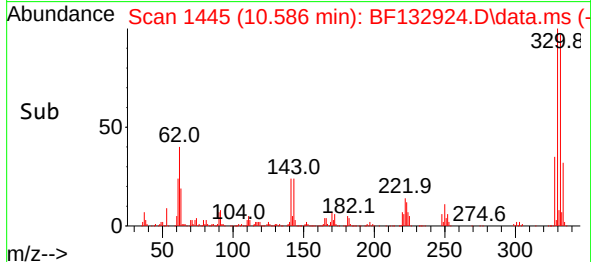
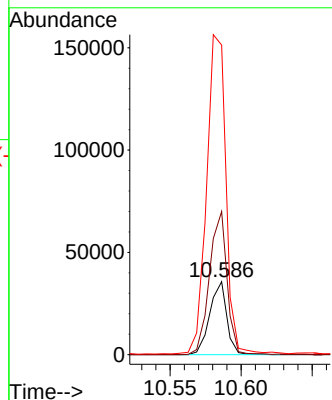
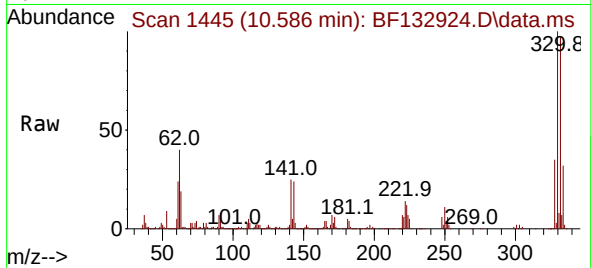




#67
4-Bromophenyl-phenylether
Concen: 2.417 ng
RT: 10.586 min Scan# 1488
Delta R.T. -0.253 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

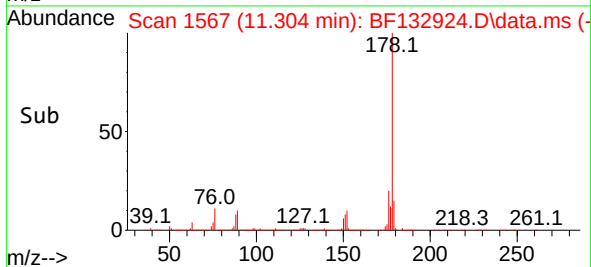
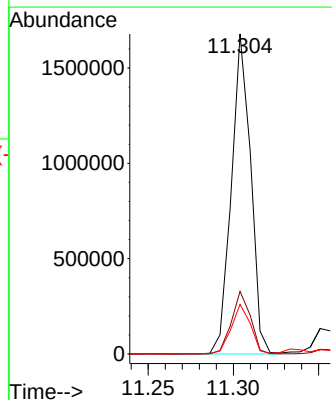
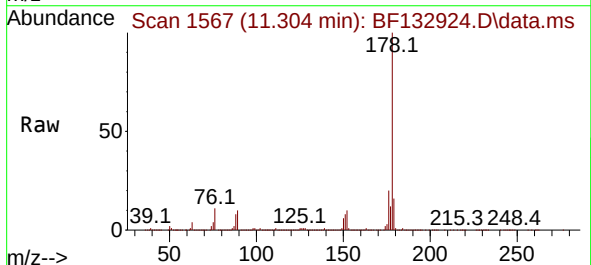
Instrument :
BNA_F
ClientSampleId :
SPB-2WC-23-04-17

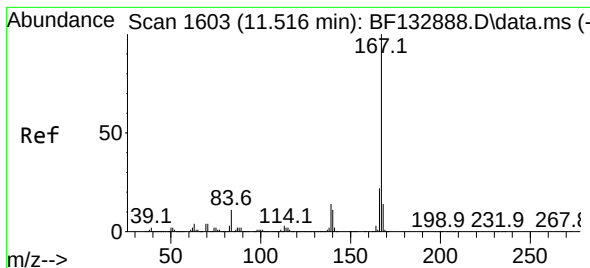
Tgt Ion:248 Resp: 29835
Ion Ratio Lower Upper
248 100
250 196.2 79.1 118.7#
141 424.1 51.0 76.6#



#71
Phenanthrene
Concen: 22.744 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

Tgt Ion:178 Resp: 1322620
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.5 12.3 18.5





#73

Carbazole

Concen: 2.555 ng

RT: 11.504 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

Instrument :

BNA_F

ClientSampleId :

SPB-2WC-23-04-17

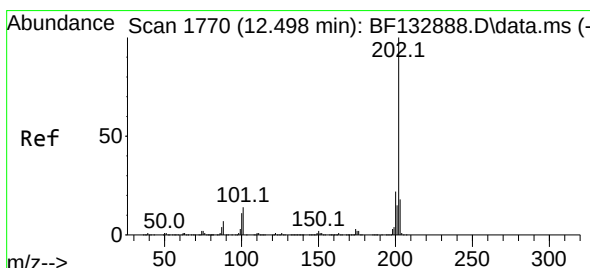
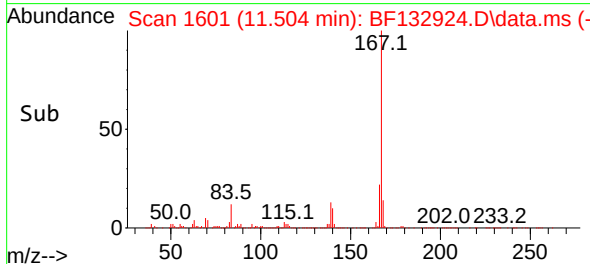
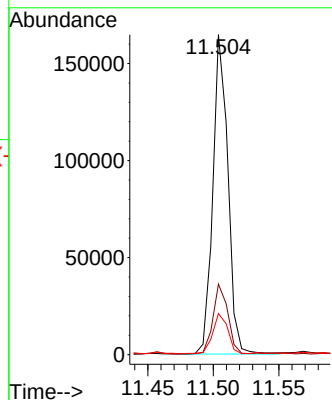
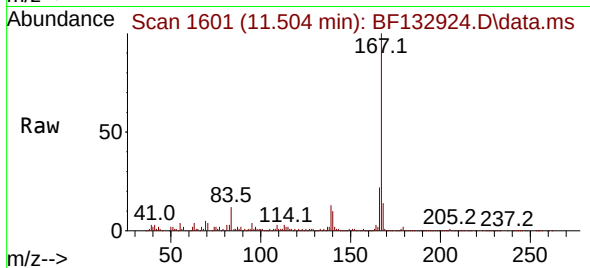
Tgt Ion:167 Resp: 131621

Ion Ratio Lower Upper

167 100

166 22.0 17.4 26.2

139 12.8 11.0 16.4



#75

Fluoranthene

Concen: 24.381 ng

RT: 12.492 min Scan# 1769

Delta R.T. -0.006 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

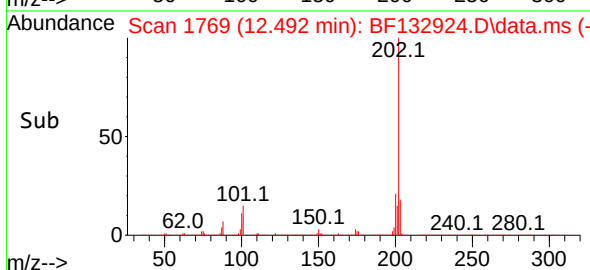
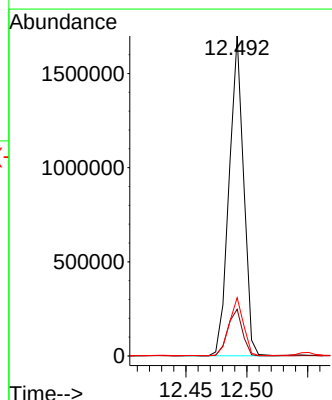
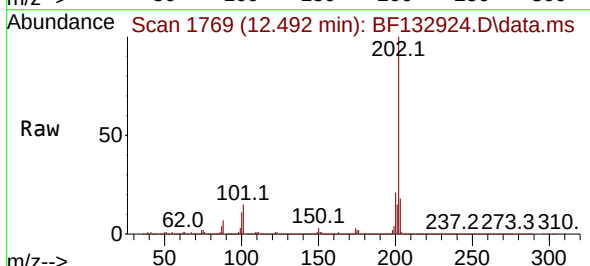
Tgt Ion:202 Resp: 1409921

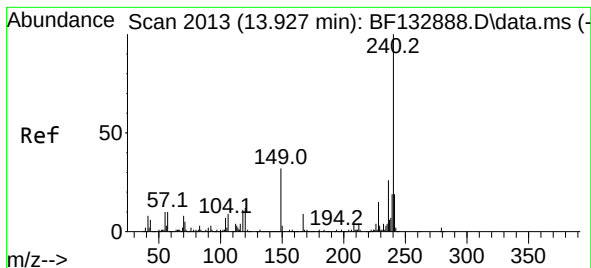
Ion Ratio Lower Upper

202 100

101 14.6 0.0 34.5

203 18.2 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: BF132924.D

Acq: 19 Apr 2023 21:43

Instrument :

BNA_F

ClientSampleId :

SPB-2WC-23-04-17

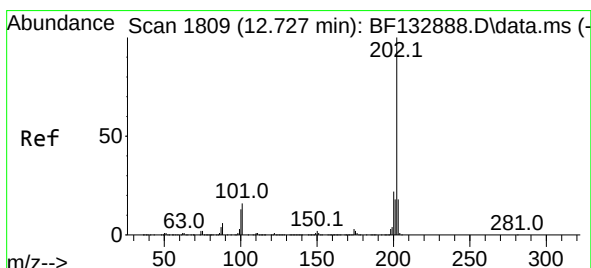
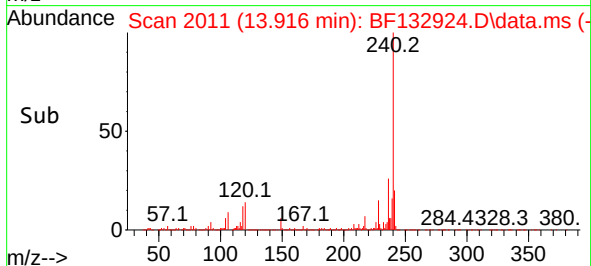
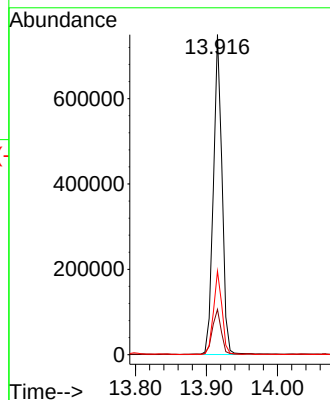
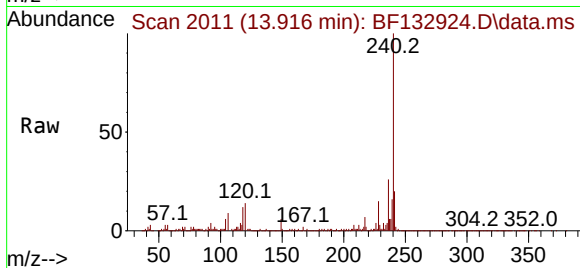
Tgt Ion:240 Resp: 636033

Ion Ratio Lower Upper

240 100

120 14.2 10.0 15.0

236 26.1 20.8 31.2



#78

Pyrene

Concen: 22.413 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

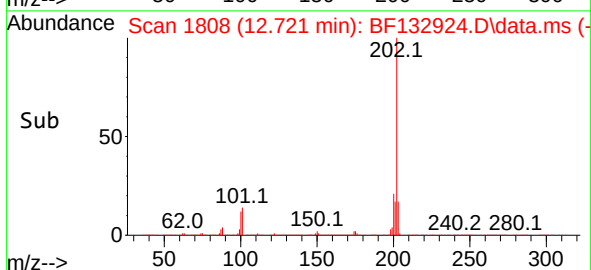
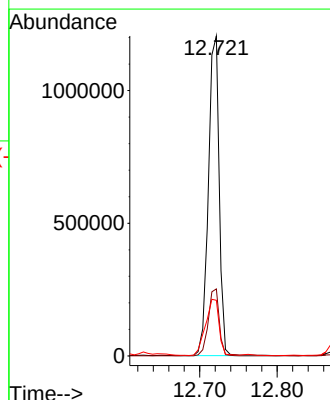
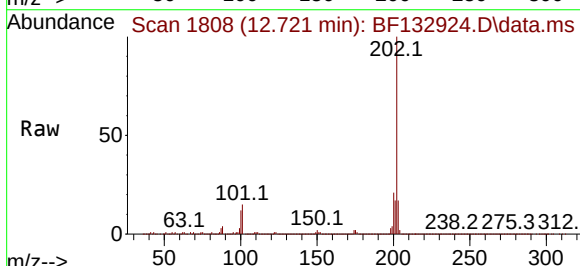
Tgt Ion:202 Resp: 1165636

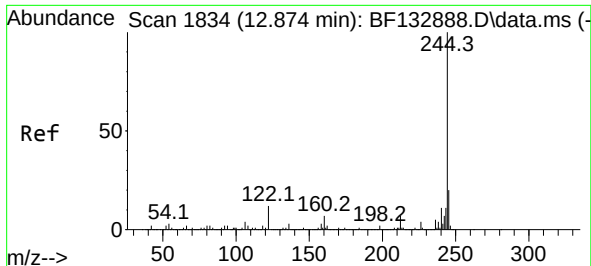
Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

203 17.4 14.6 22.0

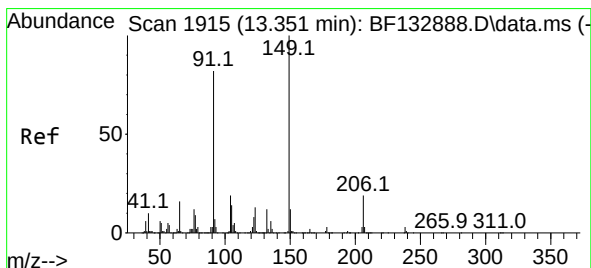
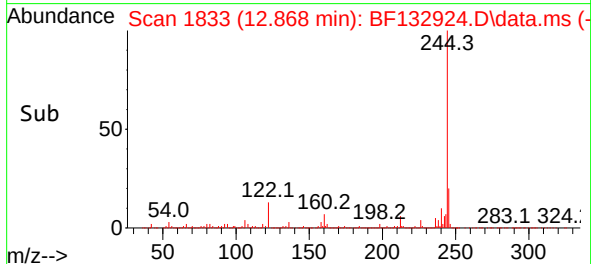
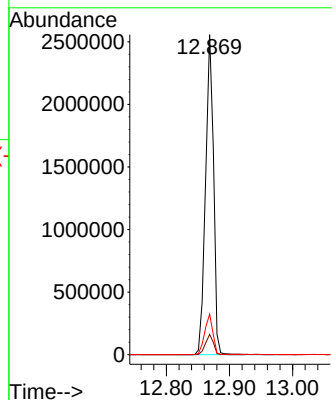
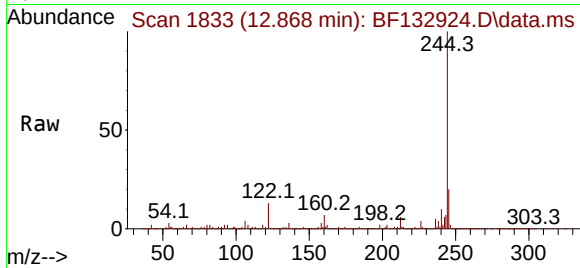




#79
 Terphenyl-d14
 Concen: 60.388 ng
 RT: 12.868 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132924.D
 Acq: 19 Apr 2023 21:43

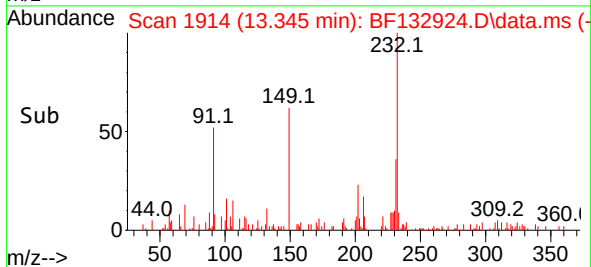
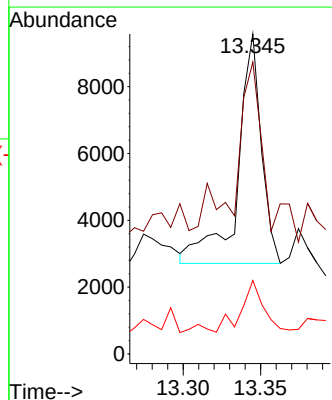
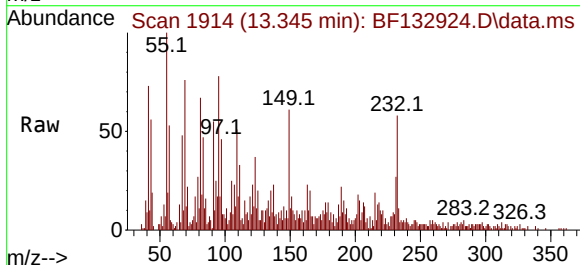
Instrument :
 BNA_F
 ClientSampleId :
 SPB-2WC-23-04-17

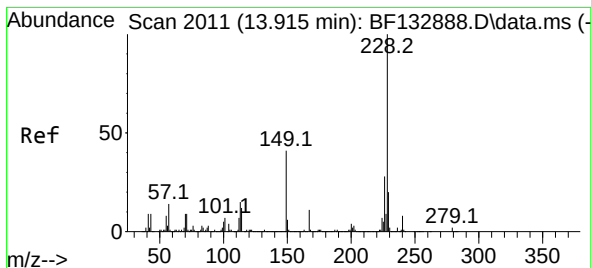
Tgt Ion:244 Resp: 2251292
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 12.7 9.6 14.4



#80
 Butylbenzylphthalate
 Concen: 5.651 ng
 RT: 13.345 min Scan# 1914
 Delta R.T. -0.006 min
 Lab File: BF132924.D
 Acq: 19 Apr 2023 21:43

Tgt Ion:149 Resp: 7264
 Ion Ratio Lower Upper
 149 100
 91 91.2 65.4 98.0
 206 23.0 15.6 23.4





#81

Benzo(a)anthracene

Concen: 10.106 ng

RT: 13.904 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

Instrument :

BNA_F

ClientSampleId :

SPB-2WC-23-04-17

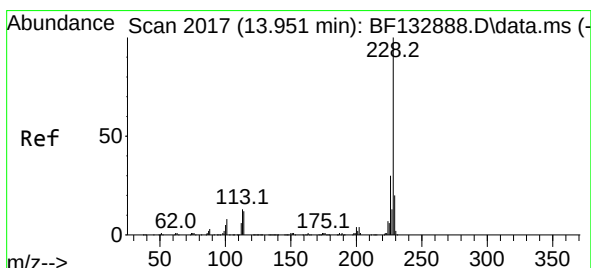
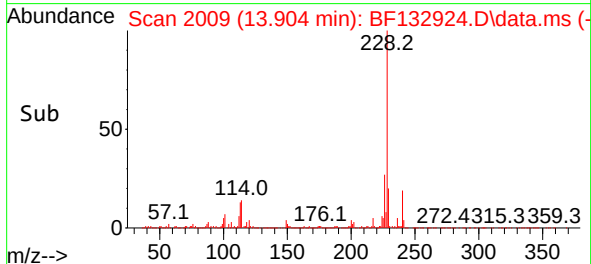
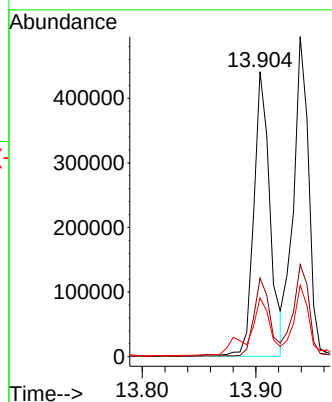
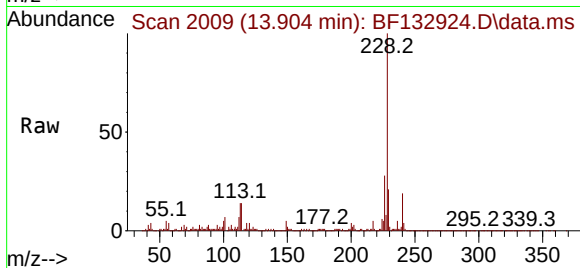
Tgt Ion:228 Resp: 437138

Ion Ratio Lower Upper

228 100

226 27.6 22.4 33.6

229 20.7 16.2 24.2



#83

Chrysene

Concen: 10.797 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

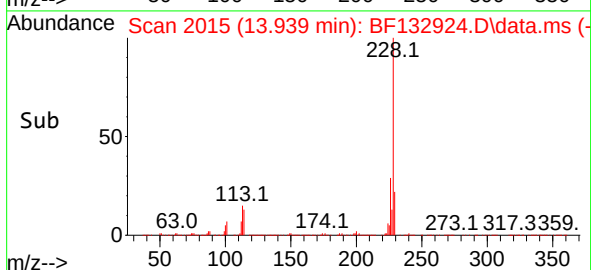
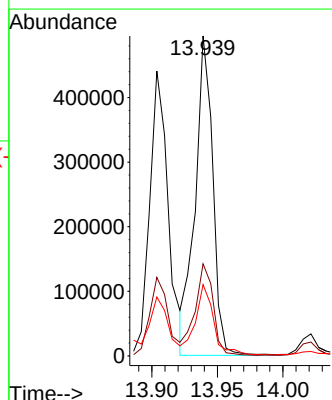
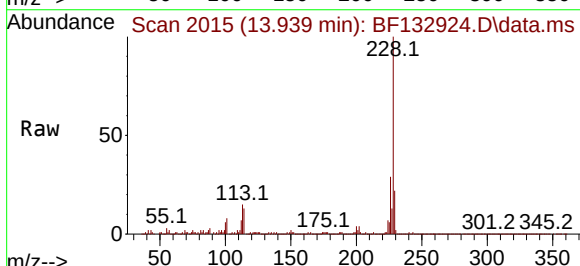
Tgt Ion:228 Resp: 464188

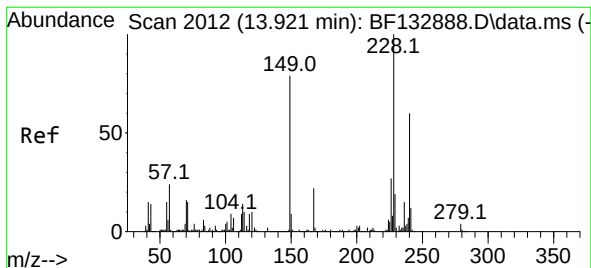
Ion Ratio Lower Upper

228 100

226 28.8 24.3 36.5

229 22.3 16.2 24.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.194 ng

RT: 13.910 min Scan# 2012

Delta R.T. -0.011 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

Instrument :

BNA_F

ClientSampleId :

SPB-2WC-23-04-17

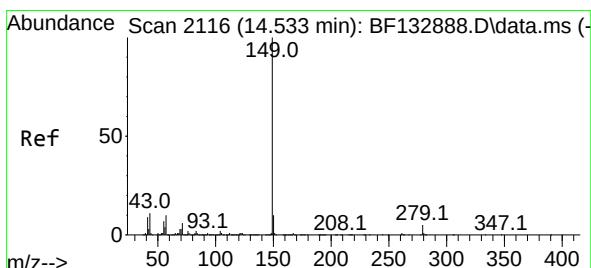
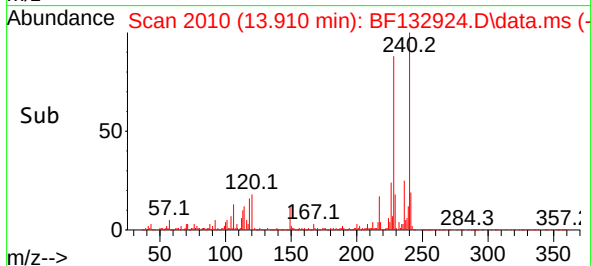
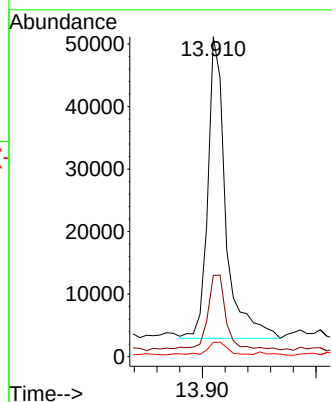
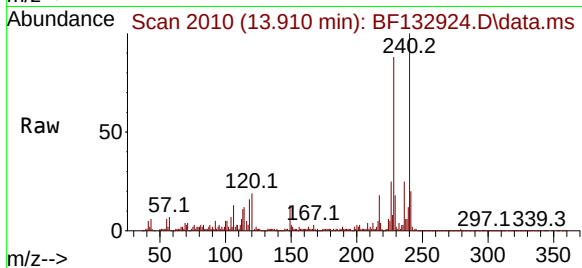
Tgt Ion:149 Resp: 52545

Ion Ratio Lower Upper

149 100

167 25.4 22.2 33.4

279 4.4 4.2 6.2



#85

Di-n-octyl phthalate

Concen: 6.429 ng

RT: 14.521 min Scan# 2114

Delta R.T. -0.012 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

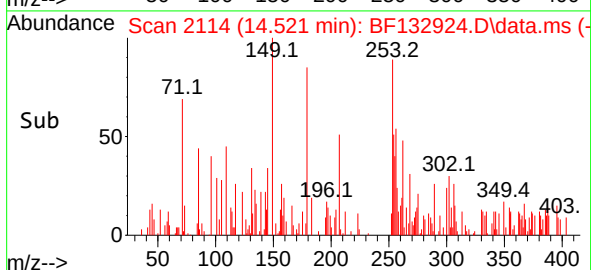
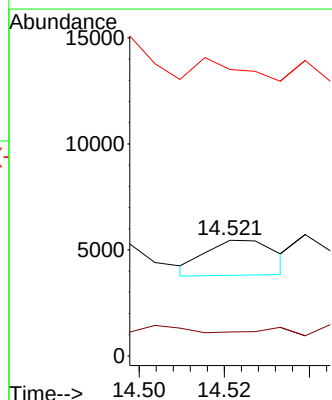
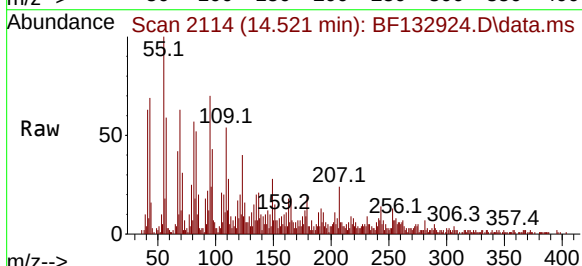
Tgt Ion:149 Resp: 1886

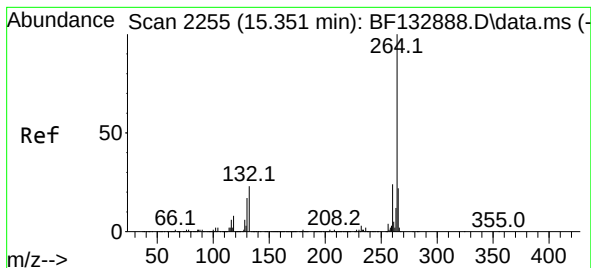
Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 0.0 11.5 17.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.345 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

Instrument :

BNA_F

ClientSampleId :

SPB-2WC-23-04-17

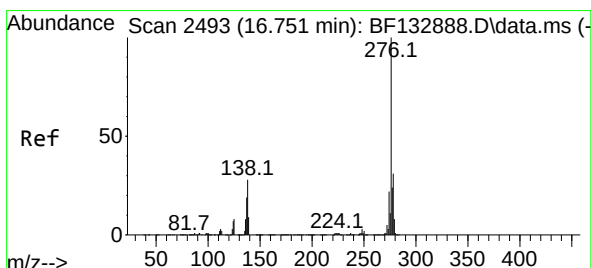
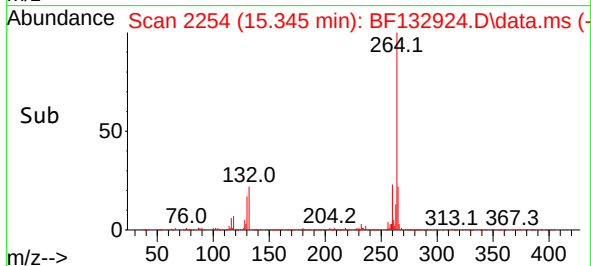
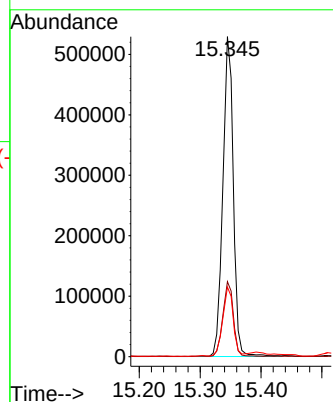
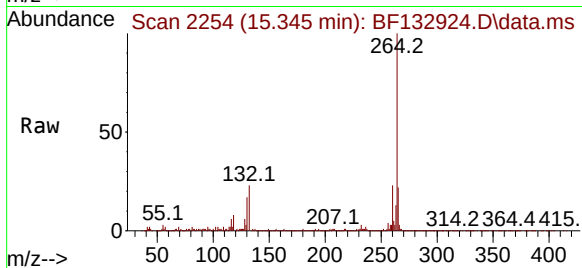
Tgt Ion:264 Resp: 629964

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 21.8 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.866 ng

RT: 16.733 min Scan# 2490

Delta R.T. -0.018 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

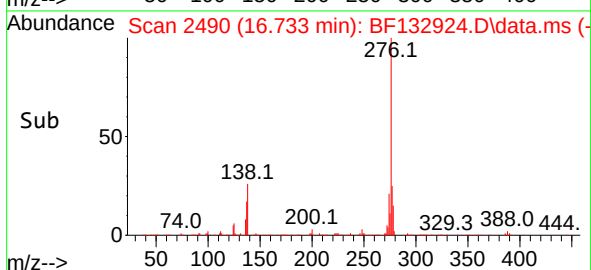
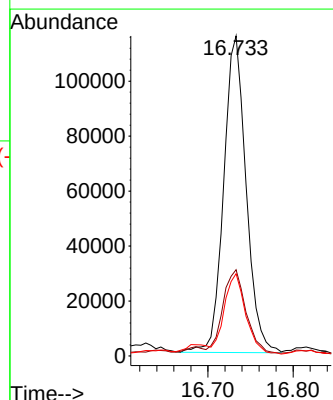
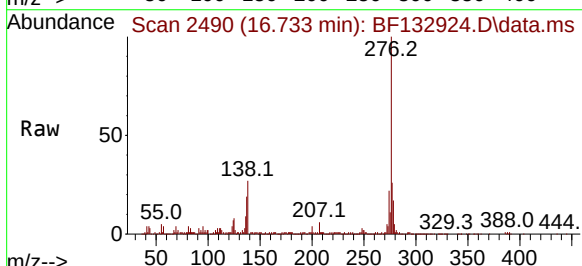
Tgt Ion:276 Resp: 211150

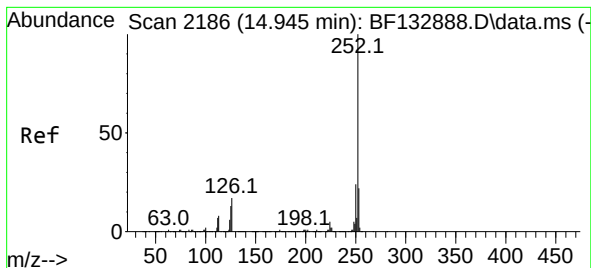
Ion Ratio Lower Upper

276 100

138 26.8 25.5 38.3

277 24.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 17.726 ng

RT: 14.939 min Scan# 2185

Delta R.T. -0.006 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

Instrument :

BNA_F

ClientSampleId :

SPB-2WC-23-04-17

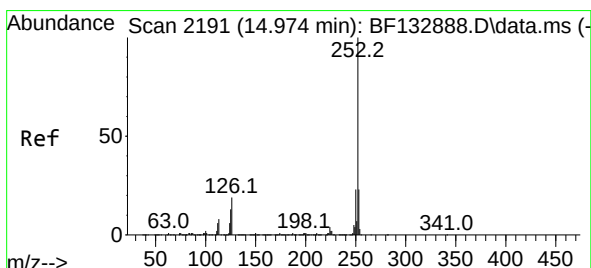
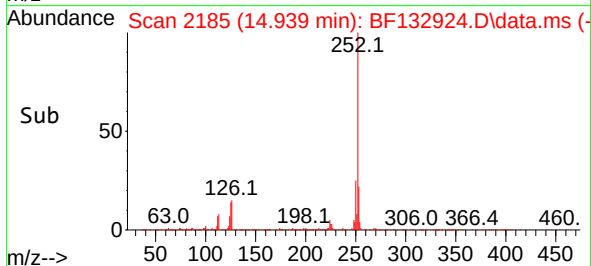
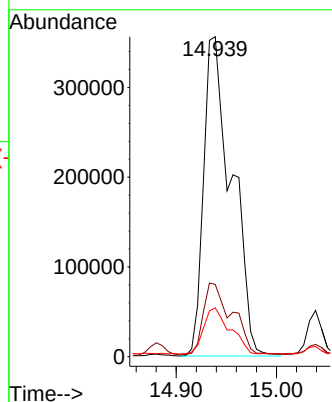
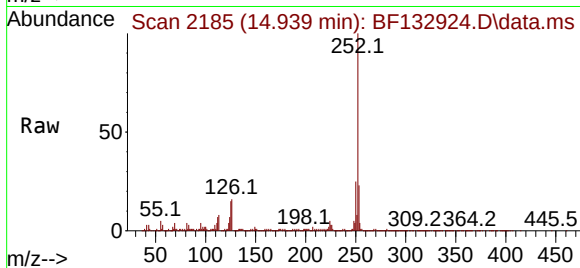
Tgt Ion:252 Resp: 695594

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

125 15.2 10.0 15.0#



#89

Benzo(k)fluoranthene

Concen: 17.795 ng

RT: 14.939 min Scan# 2185

Delta R.T. -0.035 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

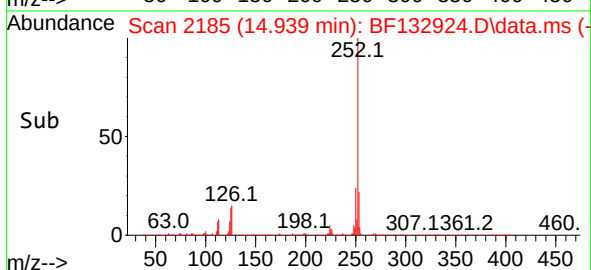
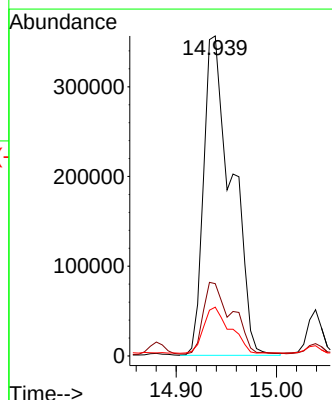
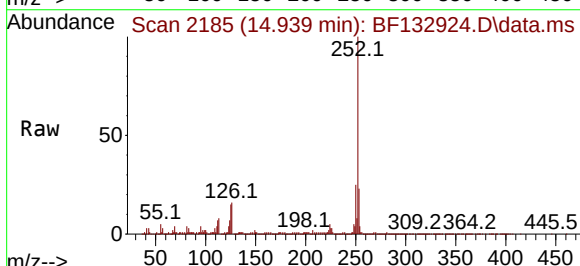
Tgt Ion:252 Resp: 695594

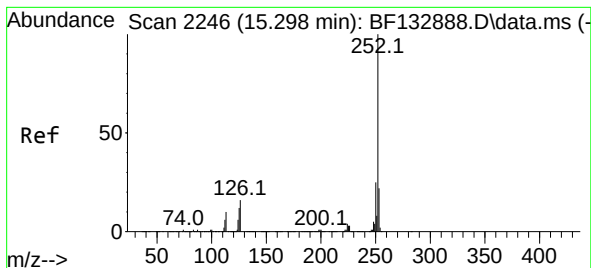
Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

125 15.2 10.0 15.0#





#90

Benzo(a)pyrene

Concen: 9.320 ng

RT: 15.286 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

Instrument :

BNA_F

ClientSampleId :

SPB-2WC-23-04-17

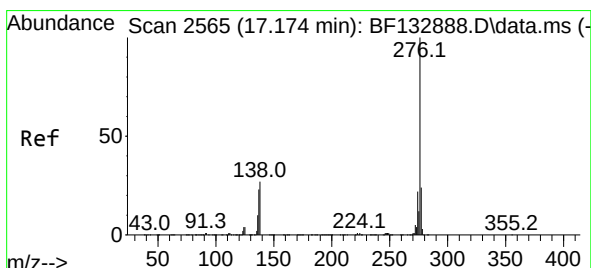
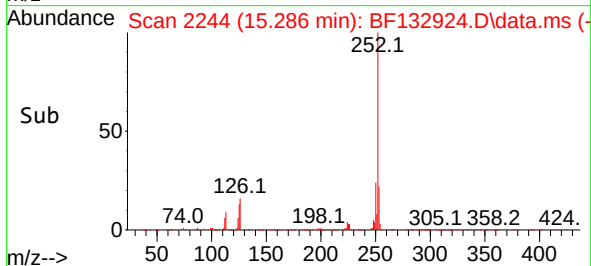
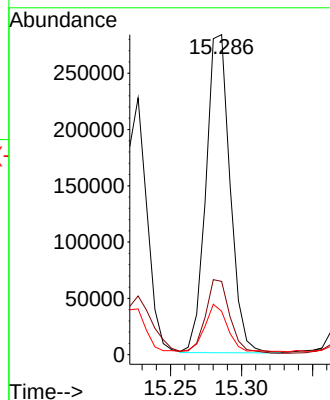
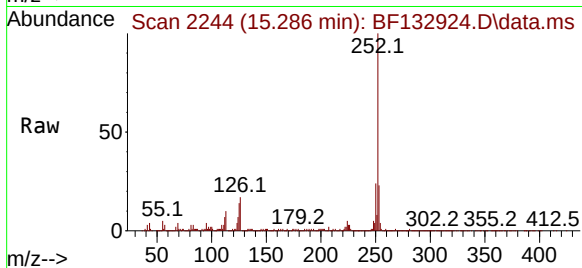
Tgt Ion:252 Resp: 334109

Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 13.6 9.9 14.9



#92

Benzo(g,h,i)perylene

Concen: 6.493 ng

RT: 17.151 min Scan# 2561

Delta R.T. -0.023 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

Tgt Ion:276 Resp: 190671

Ion Ratio Lower Upper

276 100

277 22.4 18.9 28.3

138 27.0 21.7 32.5

