

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
 Data File : BF132930.D
 Acq On : 20 Apr 2023 00:48
 Operator : CG\JU
 Sample : 02389-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPB-1WC-23-04-17

Quant Time: Apr 20 01:53:23 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)

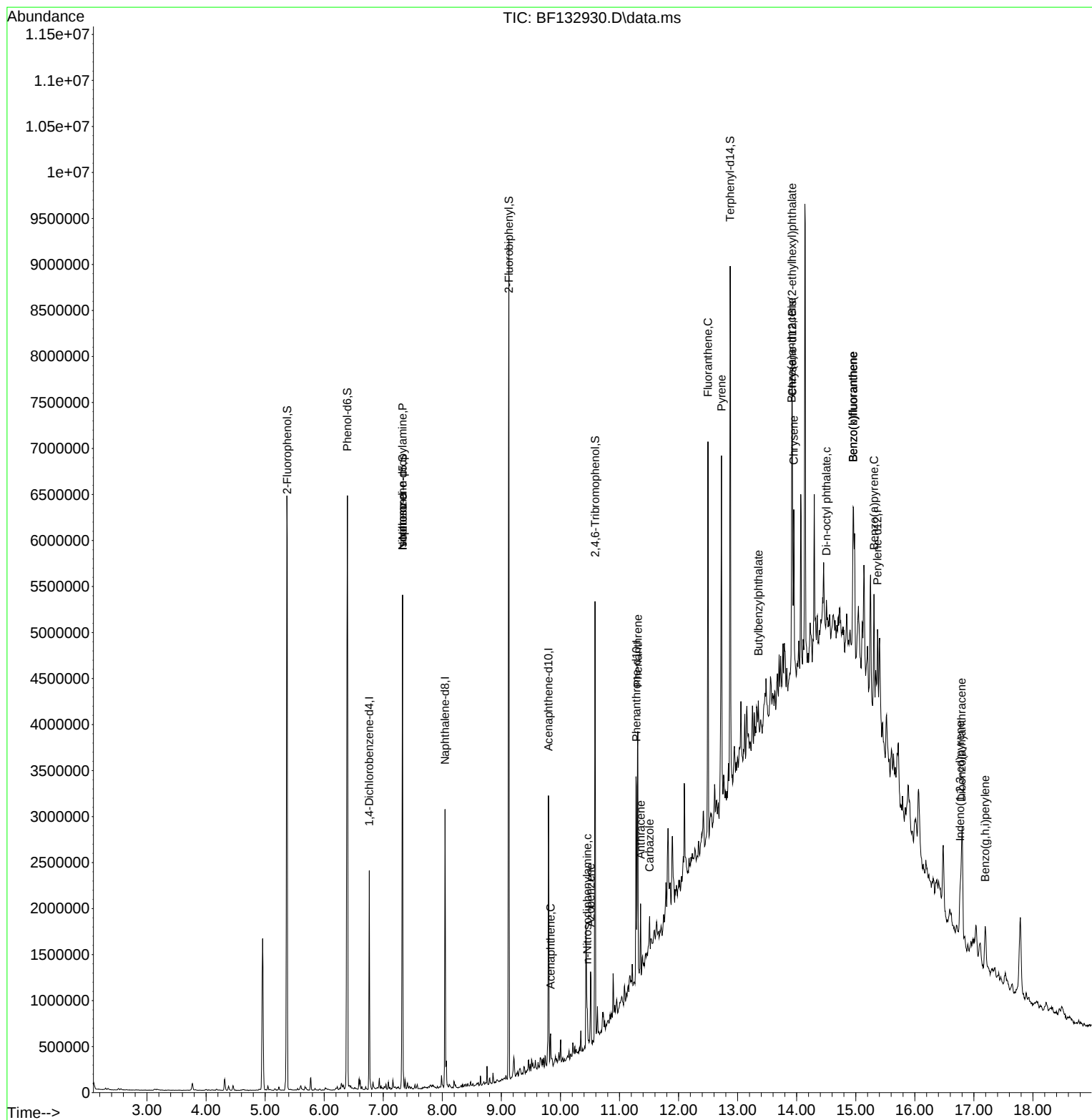
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	274469	20.000	ng	0.00
21) Naphthalene-d8	8.045	136	1095216	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	538754	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	842216	20.000	ng	0.00
76) Chrysene-d12	13.927	240	492764	20.000	ng	0.00
86) Perylene-d12	15.368	264	422509	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1910350	108.834	ng	0.01
7) Phenol-d6	6.393	99	2455188	109.616	ng	0.00
23) Nitrobenzene-d5	7.328	82	1506634	71.706	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	549990	101.780	ng	0.00
45) 2-Fluorobiphenyl	9.128	172	2510985	71.599	ng	0.00
79) Terphenyl-d14	12.874	244	2217161	76.764	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.328	70	205364	14.689	ng	# 79
25) Isophorone	7.328	82	1503527	37.725	ng	# 65
52) Acenaphthene	9.833	154	69541	2.141	ng	99
63) Azobenzene	10.510	77	170602	4.388	ng	# 1
66) n-Nitrosodiphenylamine	10.457	169	70746	2.579	ng	99
71) Phenanthrene	11.310	178	997547	22.020	ng	99
72) Anthracene	11.357	178	250199	5.395	ng	99
73) Carbazole	11.510	167	125833	3.136	ng	99
75) Fluoranthene	12.498	202	1681531	37.326	ng	99
78) Pyrene	12.727	202	1574813	39.084	ng	99
80) Butylbenzylphthalate	13.351	149	54712	10.159	ng	# 84
81) Benzo(a)anthracene	13.916	228	831610	24.816	ng	97
83) Chrysene	13.951	228	822975	24.708	ng	97
84) Bis(2-ethylhexyl)phtha...	13.921	149	318578	24.995	ng	99
85) Di-n-octyl phthalate	14.504	149	3671	6.498	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.768	276	361110	14.958	ng	95
88) Benzo(b)fluoranthene	14.957	252	1253849	47.642	ng	# 91
89) Benzo(k)fluoranthene	14.957	252	1253849	47.825	ng	# 91
90) Benzo(a)pyrene	15.310	252	567645	23.608	ng	# 90
91) Dibenzo(a,h)anthracene	16.792	278	100615	4.891	ng	# 47
92) Benzo(g,h,i)perylene	17.192	276	351984	17.871	ng	98

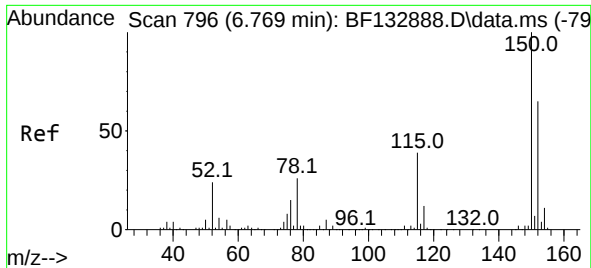
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132930.D
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Misc :
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BNA_F
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SPB-1WC-23-04-17

Quant Time: Apr 20 01:53:23 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 18 04:51:21 2023
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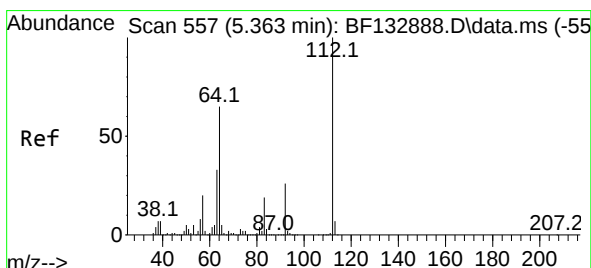
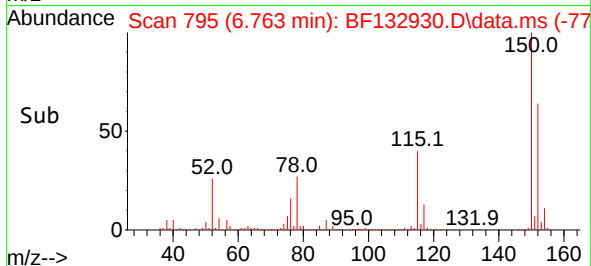
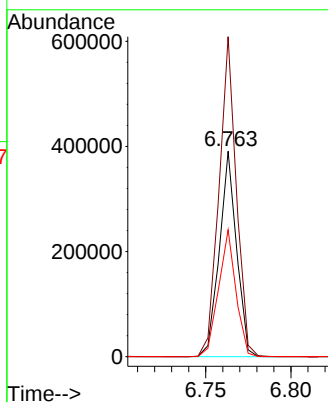
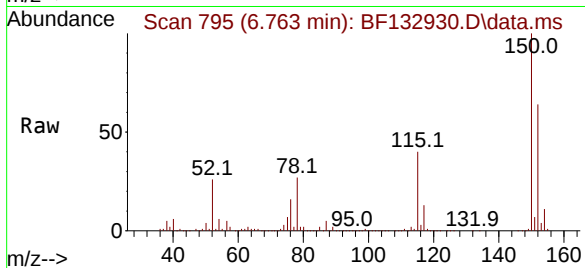




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF132930.D
Acq: 20 Apr 2023 00:48

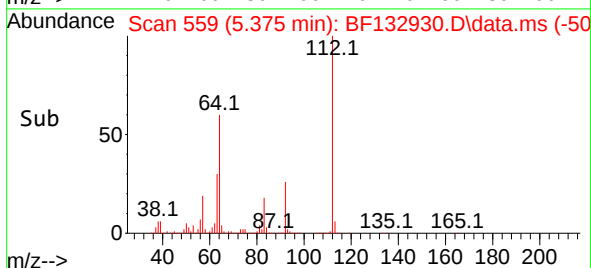
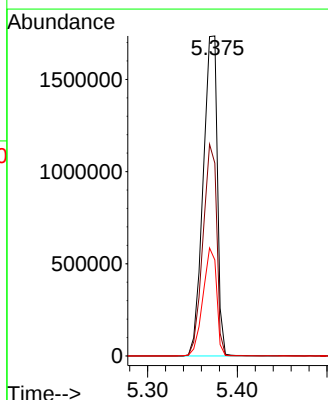
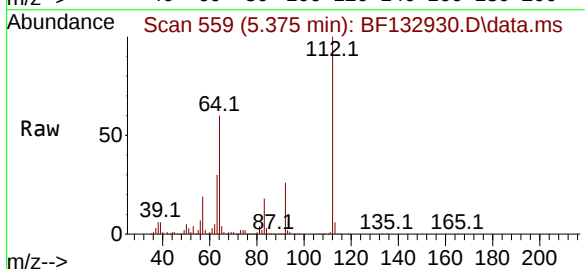
Instrument :
BNA_F
ClientSampleId :
SPB-1WC-23-04-17

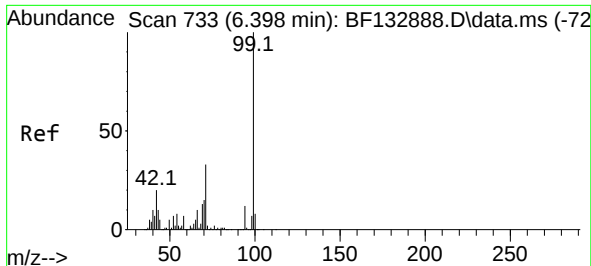
Tgt Ion:152 Resp: 274469
Ion Ratio Lower Upper
152 100
150 155.7 122.8 184.2
115 61.8 47.3 70.9



#5
2-Fluorophenol
Concen: 108.834 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.012 min
Lab File: BF132930.D
Acq: 20 Apr 2023 00:48

Tgt Ion:112 Resp: 1910350
Ion Ratio Lower Upper
112 100
64 60.2 51.8 77.8
63 30.0 26.3 39.5

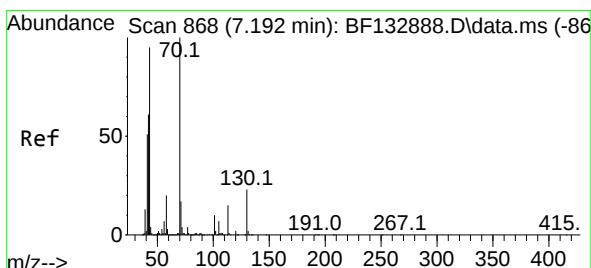
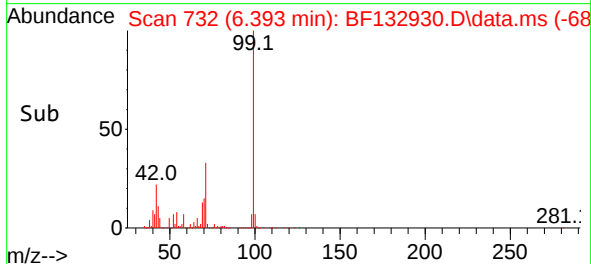
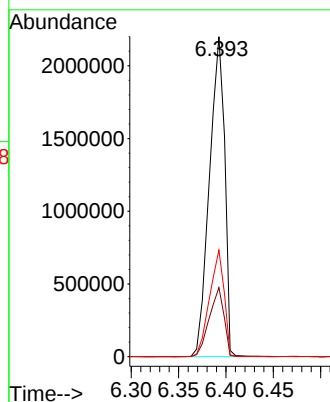
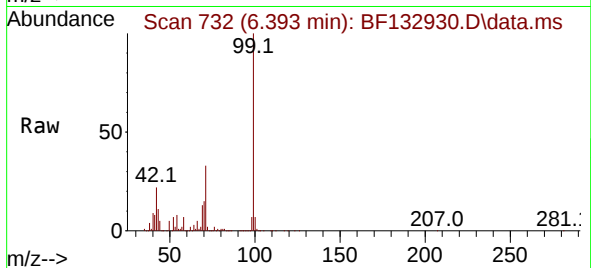




#7
Phenol-d6
Concen: 109.616 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132930.D
Acq: 20 Apr 2023 00:48

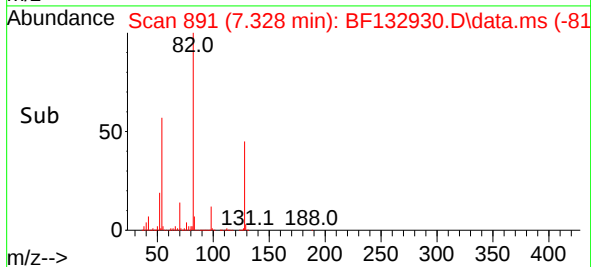
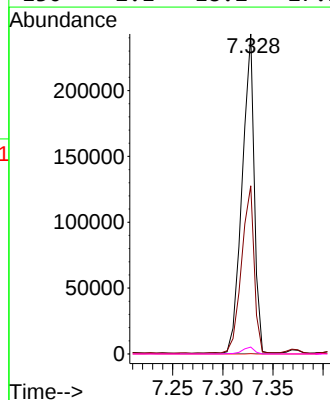
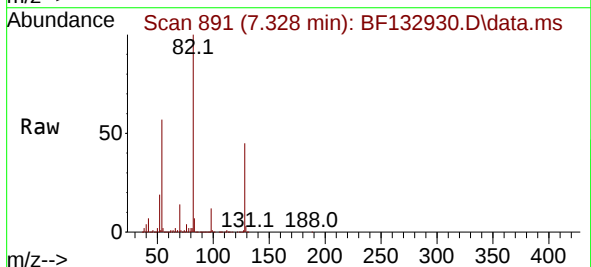
Instrument :
BNA_F
ClientSampleId :
SPB-1WC-23-04-17

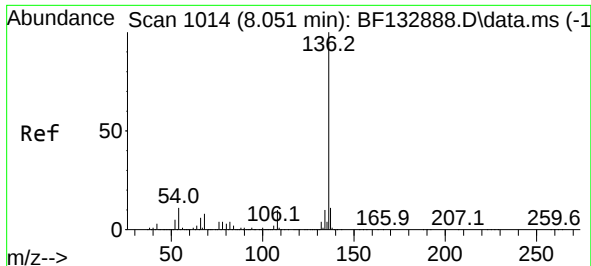
Tgt Ion: 99 Resp: 2455188
Ion Ratio Lower Upper
99 100
42 21.6 16.1 24.1
71 33.3 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 14.689 ng
RT: 7.328 min Scan# 891
Delta R.T. 0.135 min
Lab File: BF132930.D
Acq: 20 Apr 2023 00:48

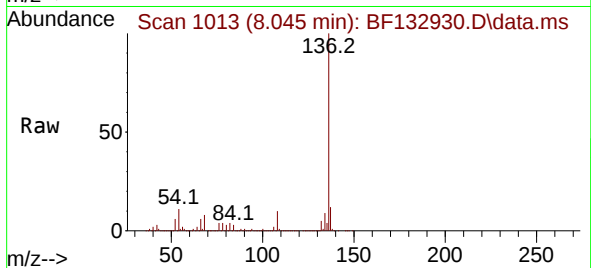
Tgt Ion: 70 Resp: 205364
Ion Ratio Lower Upper
70 100
42 52.6 49.0 73.6
101 0.1 8.1 12.1#
130 2.1 18.2 27.2#





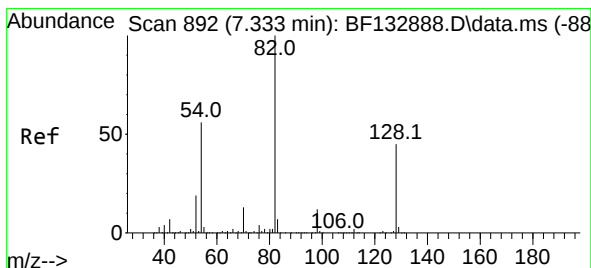
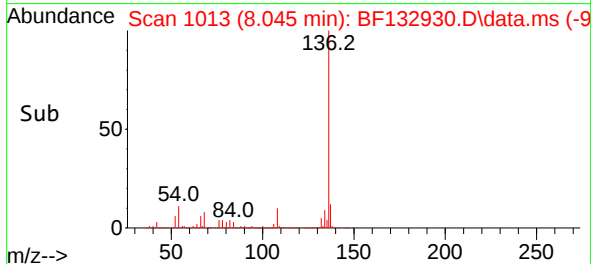
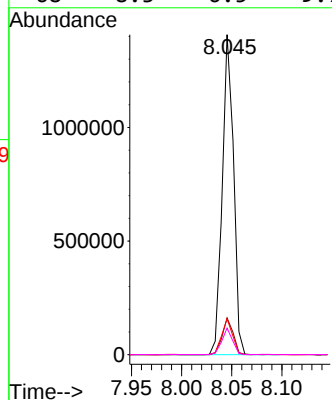
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.045 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF132930.D
Acq: 20 Apr 2023 00:48

Instrument :
BNA_F
ClientSampleId :
SPB-1WC-23-04-17



Tgt Ion:136 Resp: 1095216

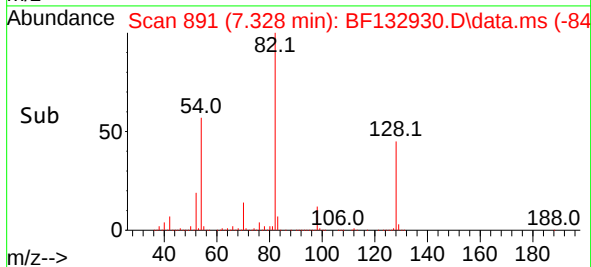
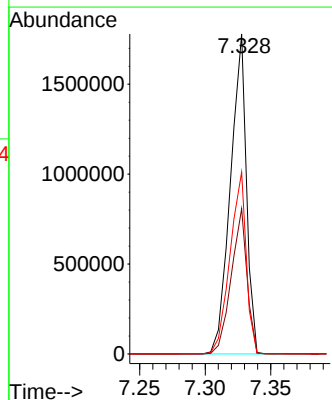
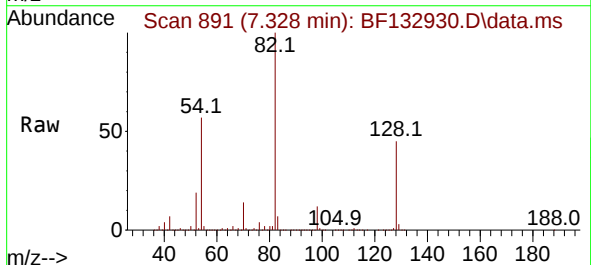
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	11.2	8.9	13.3
68	8.3	6.5	9.7

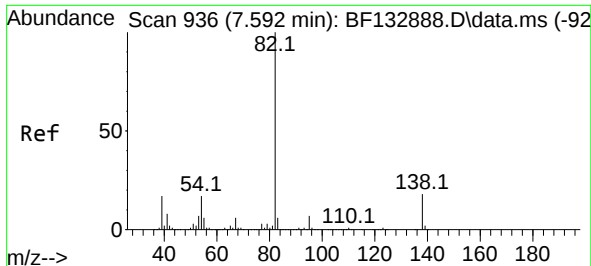


#23
Nitrobenzene-d5
Concen: 71.706 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF132930.D
Acq: 20 Apr 2023 00:48

Tgt Ion: 82 Resp: 1506634

Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.7	53.5
54	56.8	44.7	67.1

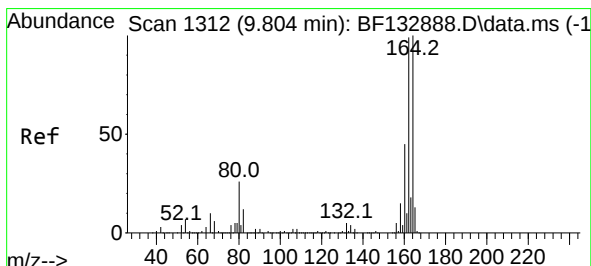
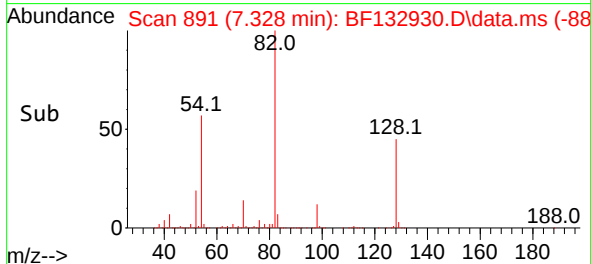
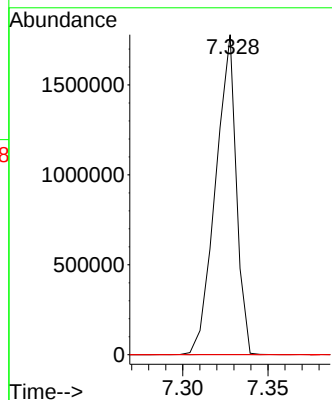
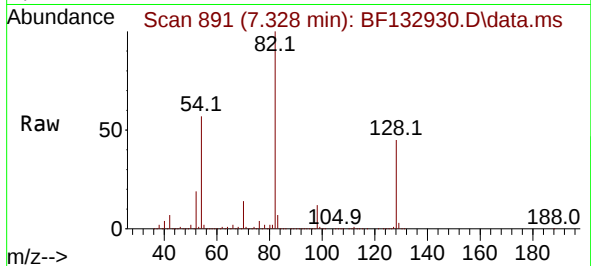




#25
Isophorone
Concen: 37.725 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.265 min
Lab File: BF132930.D
Acq: 20 Apr 2023 00:48

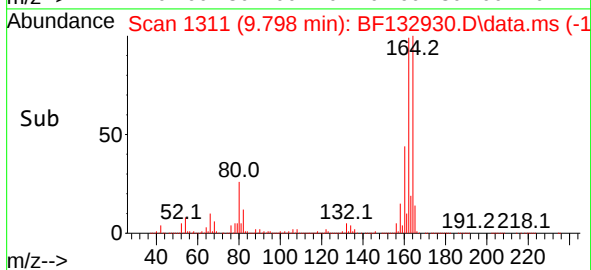
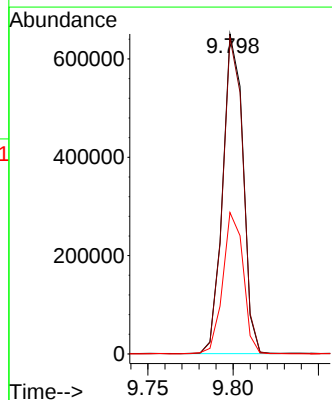
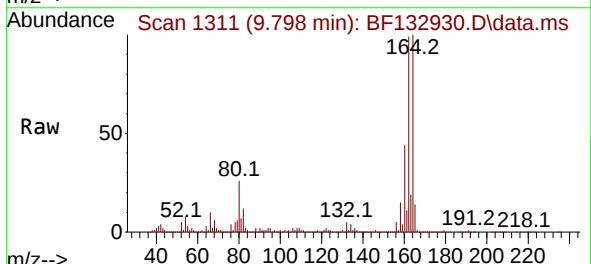
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ClientSampleId :
SPB-1WC-23-04-17

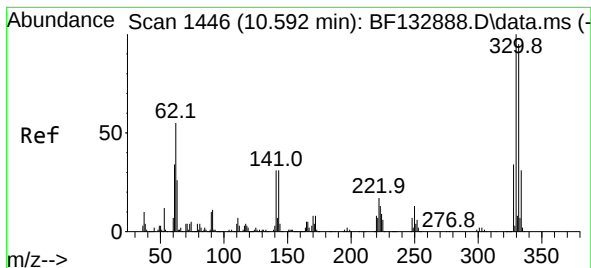
Tgt Ion: 82 Resp: 1503527
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF132930.D
Acq: 20 Apr 2023 00:48

Tgt Ion:164 Resp: 538754
Ion Ratio Lower Upper
164 100
162 98.9 79.1 118.7
160 44.2 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 101.780 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.006 min

Lab File: BF132930.D

Acq: 20 Apr 2023 00:48

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

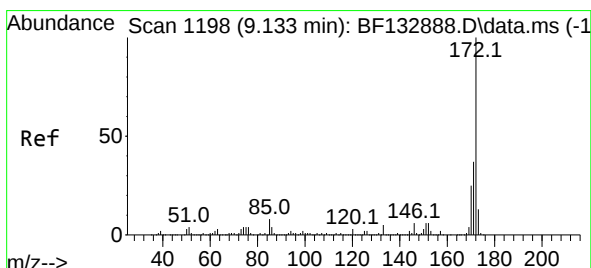
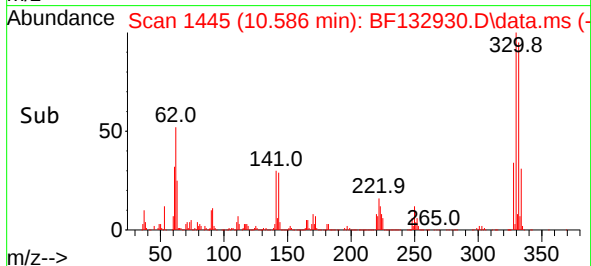
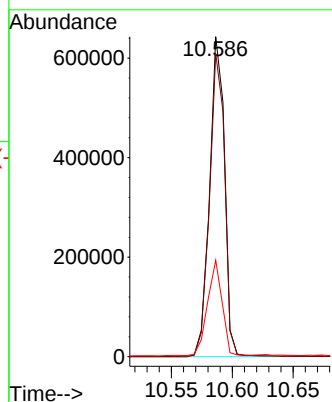
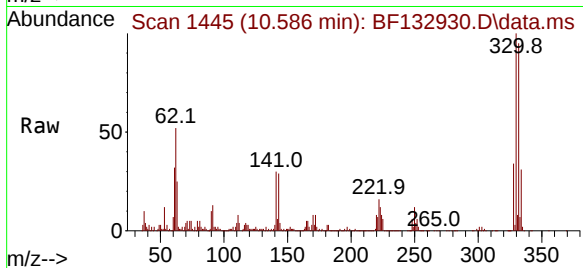
Tgt Ion:330 Resp: 549990

Ion Ratio Lower Upper

330 100

332 96.1 76.3 114.5

141 29.3 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 71.599 ng

RT: 9.128 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF132930.D

Acq: 20 Apr 2023 00:48

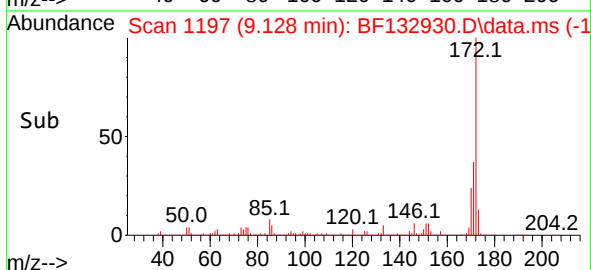
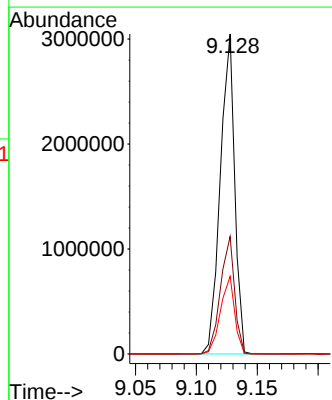
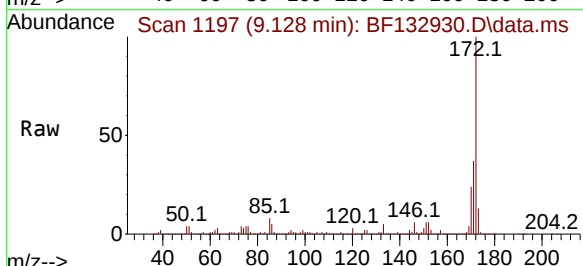
Tgt Ion:172 Resp: 2510985

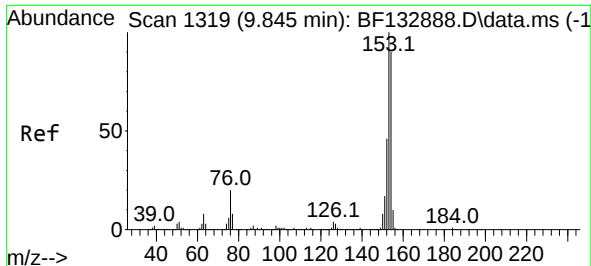
Ion Ratio Lower Upper

172 100

171 36.7 29.4 44.0

170 24.3 20.1 30.1

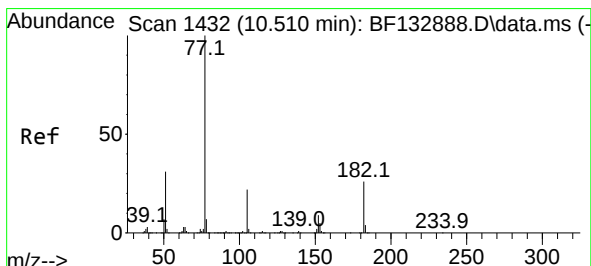
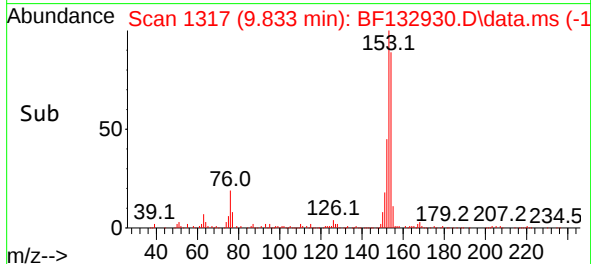
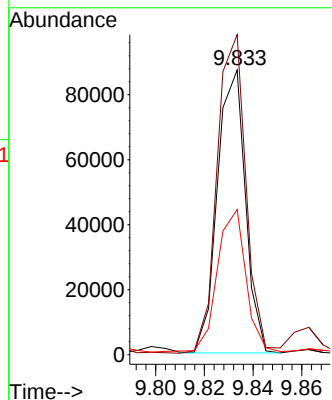
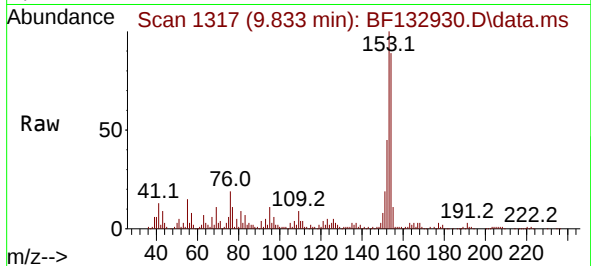




#52
Acenaphthene
Concen: 2.141 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132930.D
Acq: 20 Apr 2023 00:48

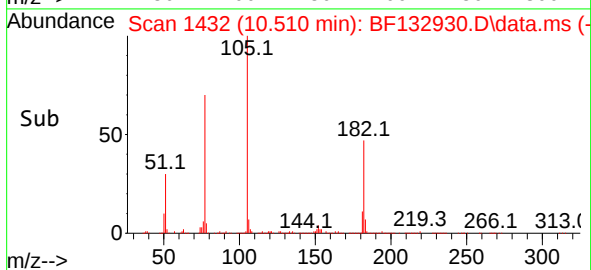
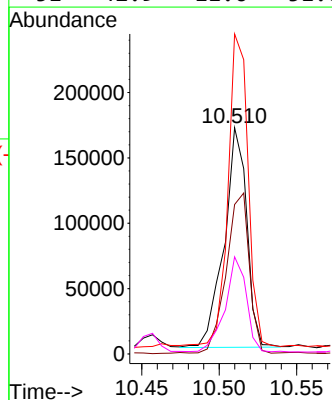
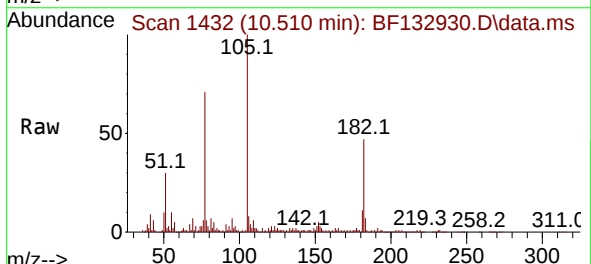
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BNA_F
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SPB-1WC-23-04-17

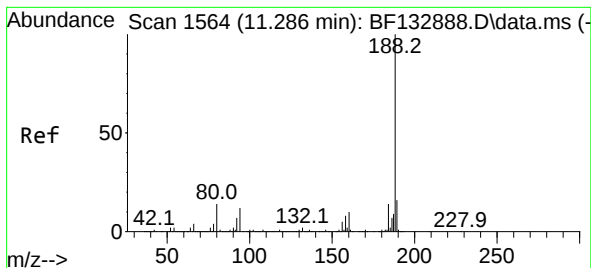
Tgt Ion:154 Resp: 69541
Ion Ratio Lower Upper
154 100
153 112.4 88.8 133.2
152 51.0 41.2 61.8



#63
Azobenzene
Concen: 4.388 ng
RT: 10.510 min Scan# 1432
Delta R.T. 0.000 min
Lab File: BF132930.D
Acq: 20 Apr 2023 00:48

Tgt Ion: 77 Resp: 170602
Ion Ratio Lower Upper
77 100
182 66.1 6.0 46.0#
105 141.5 1.6 41.6#
51 42.9 11.6 51.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF132930.D

Acq: 20 Apr 2023 00:48

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

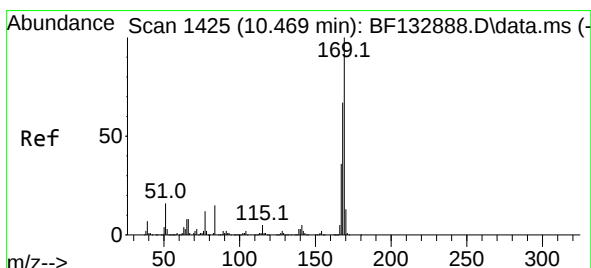
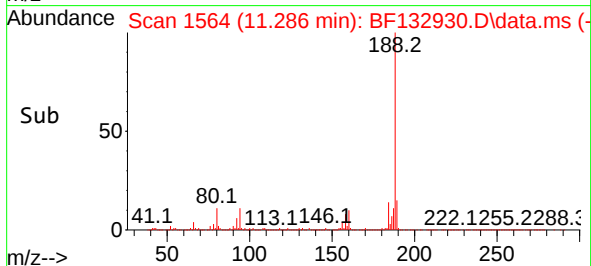
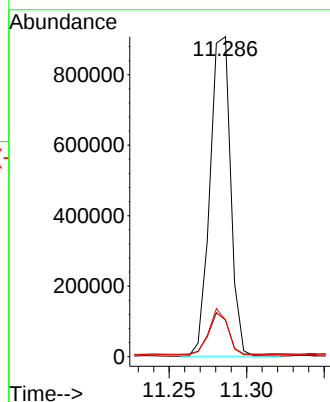
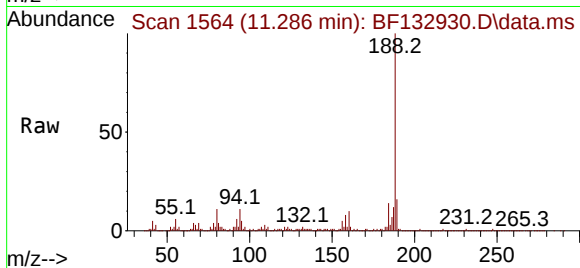
Tgt Ion:188 Resp: 842216

Ion Ratio Lower Upper

188 100

94 11.5 9.9 14.9

80 11.5 10.8 16.2



#66

n-Nitrosodiphenylamine

Concen: 2.579 ng

RT: 10.457 min Scan# 1423

Delta R.T. -0.012 min

Lab File: BF132930.D

Acq: 20 Apr 2023 00:48

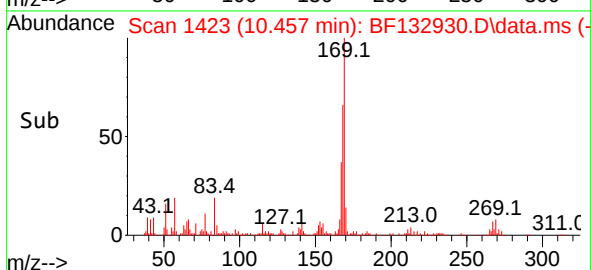
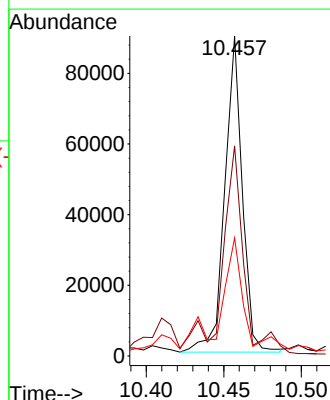
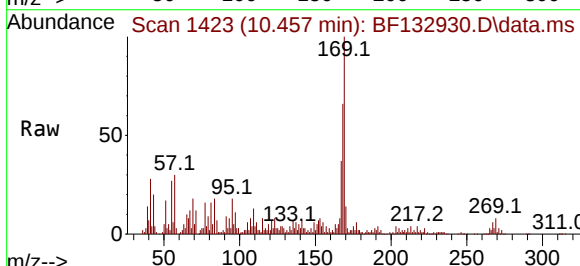
Tgt Ion:169 Resp: 70746

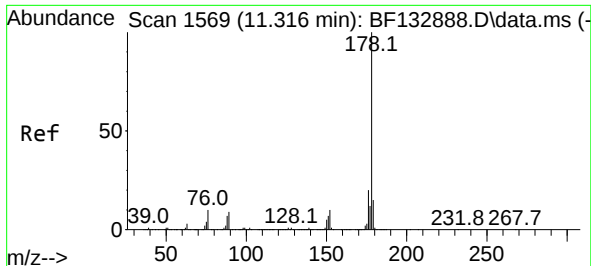
Ion Ratio Lower Upper

169 100

168 65.7 53.4 80.0

167 36.9 29.0 43.6

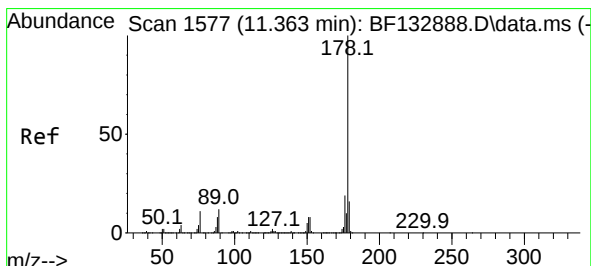
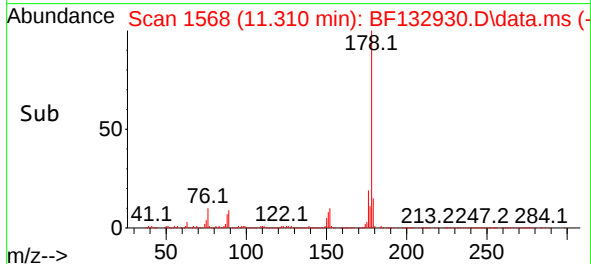
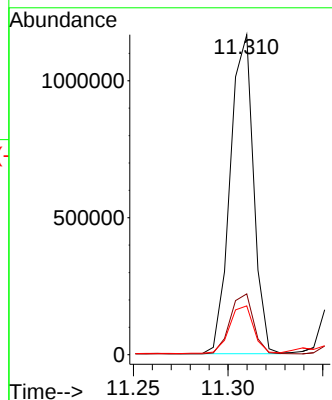
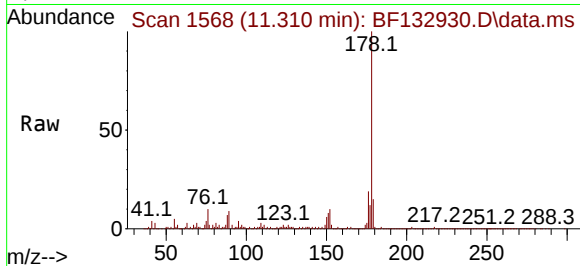




#71
Phenanthrene
Concen: 22.020 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132930.D
Acq: 20 Apr 2023 00:48

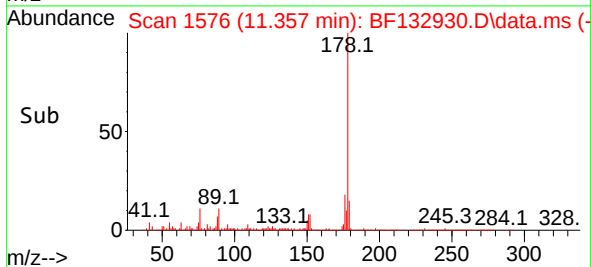
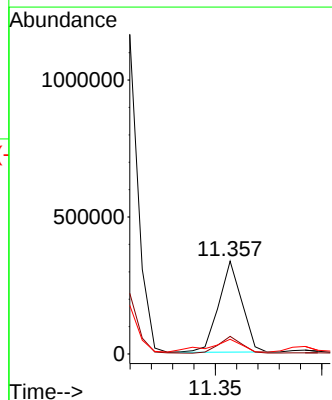
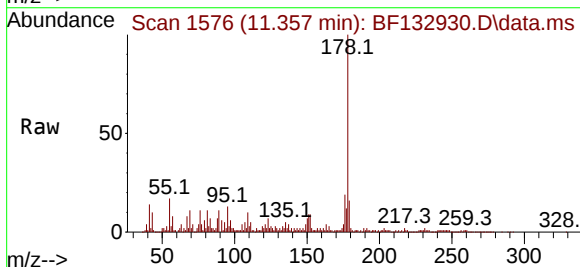
Instrument :
BNA_F
ClientSampleId :
SPB-1WC-23-04-17

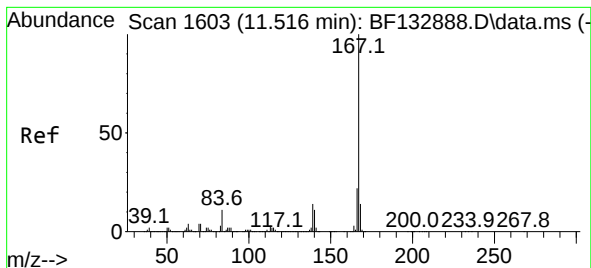
Tgt Ion:178 Resp: 997547
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.2 12.3 18.5



#72
Anthracene
Concen: 5.395 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF132930.D
Acq: 20 Apr 2023 00:48

Tgt Ion:178 Resp: 250199
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.8 12.8 19.2





#73

Carbazole

Concen: 3.136 ng

RT: 11.510 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132930.D

Acq: 20 Apr 2023 00:48

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

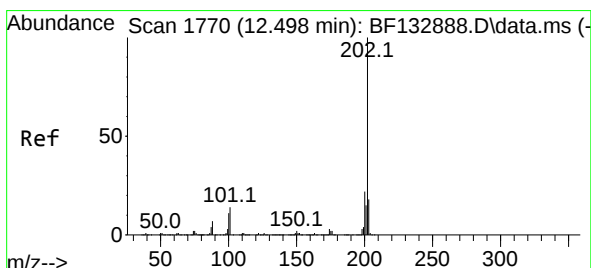
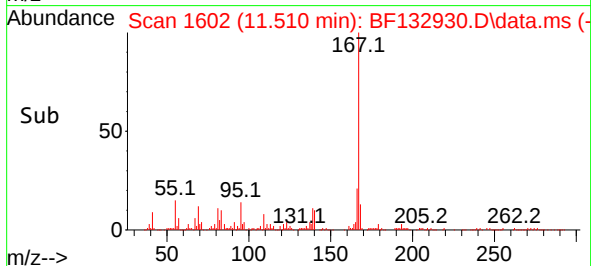
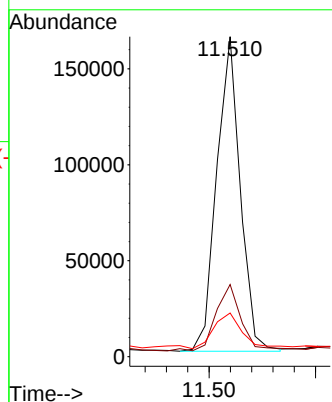
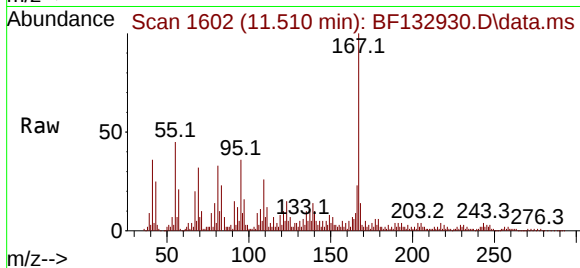
Tgt Ion:167 Resp: 125833

Ion Ratio Lower Upper

167 100

166 22.6 17.4 26.2

139 13.7 11.0 16.4



#75

Fluoranthene

Concen: 37.326 ng

RT: 12.498 min Scan# 1770

Delta R.T. 0.000 min

Lab File: BF132930.D

Acq: 20 Apr 2023 00:48

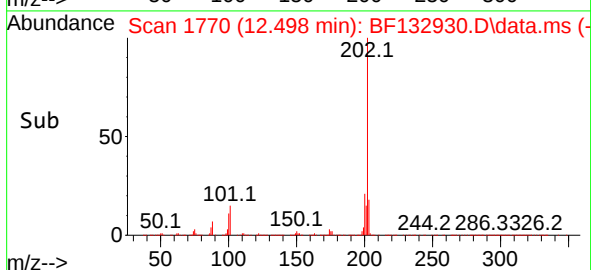
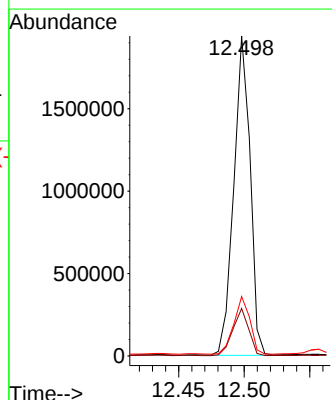
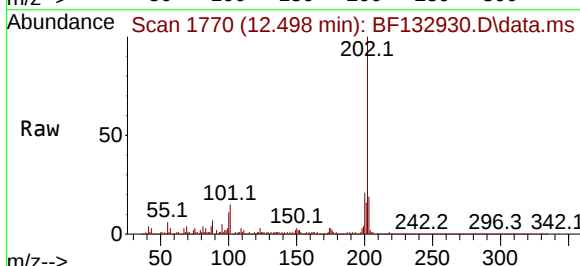
Tgt Ion:202 Resp: 1681531

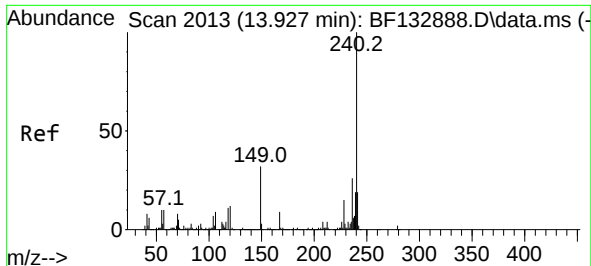
Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.5

203 18.6 0.0 38.2

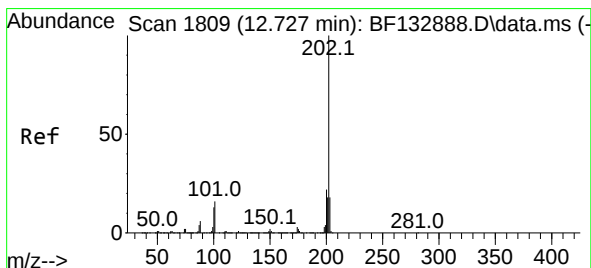
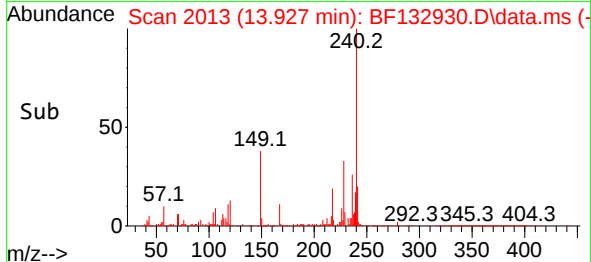
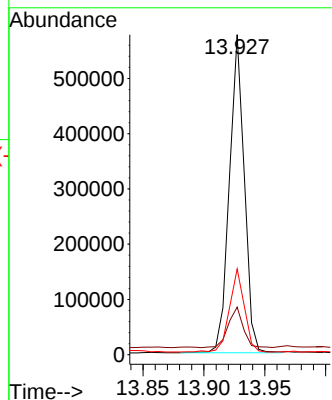
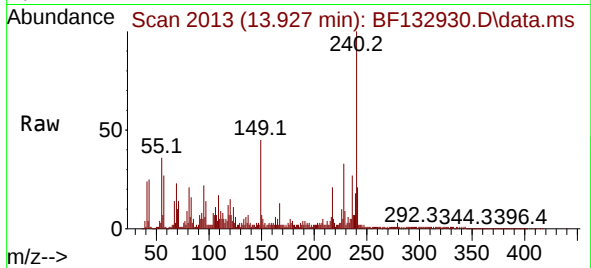




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF132930.D
Acq: 20 Apr 2023 00:48

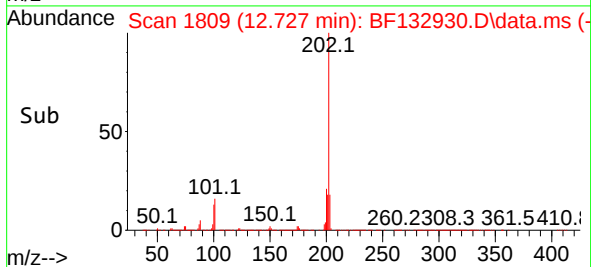
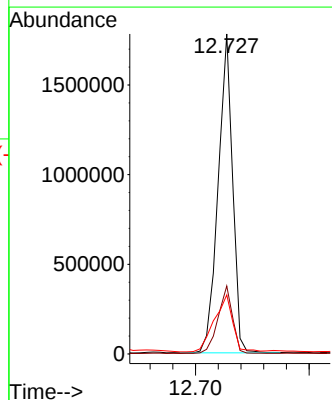
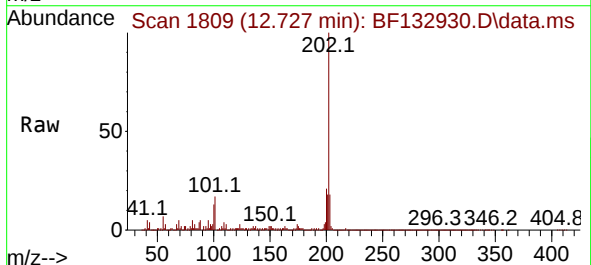
Instrument :
BNA_F
ClientSampleId :
SPB-1WC-23-04-17

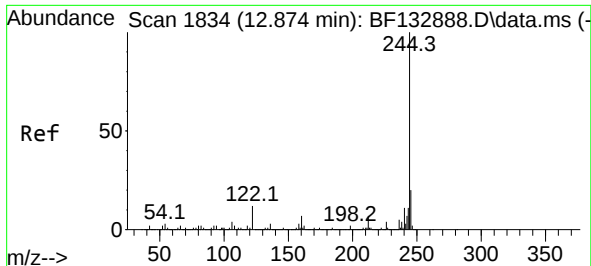
Tgt Ion:240 Resp: 492764
Ion Ratio Lower Upper
240 100
120 14.8 10.0 15.0
236 26.8 20.8 31.2



#78
Pyrene
Concen: 39.084 ng
RT: 12.727 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF132930.D
Acq: 20 Apr 2023 00:48

Tgt Ion:202 Resp: 1574813
Ion Ratio Lower Upper
202 100
200 21.3 17.6 26.4
203 18.5 14.6 22.0

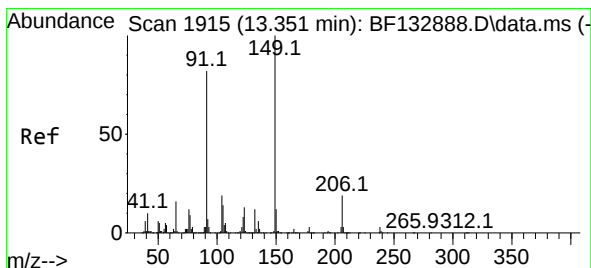
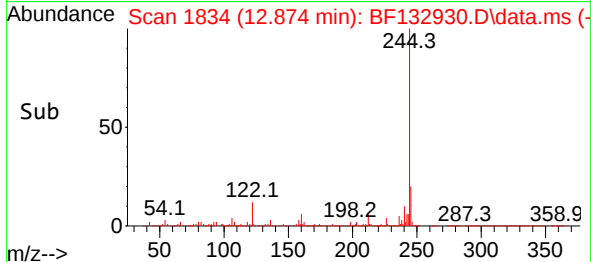
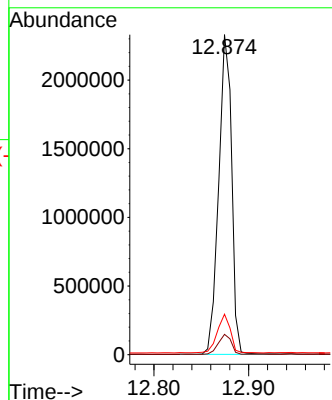
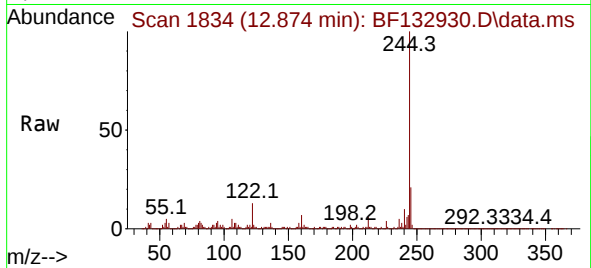




#79
 Terphenyl-d14
 Concen: 76.764 ng
 RT: 12.874 min Scan# 1834
 Delta R.T. 0.000 min
 Lab File: BF132930.D
 Acq: 20 Apr 2023 00:48

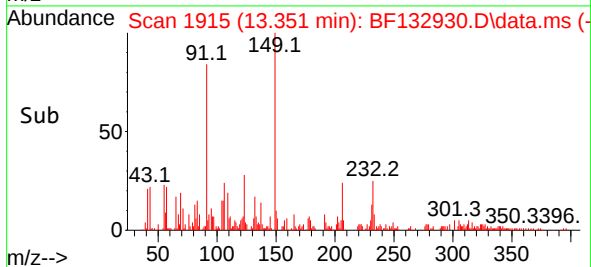
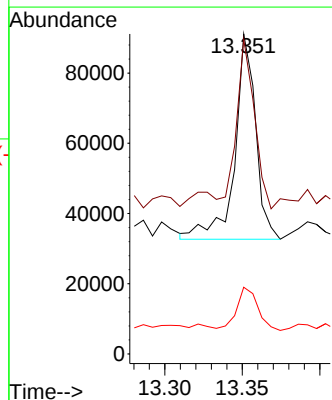
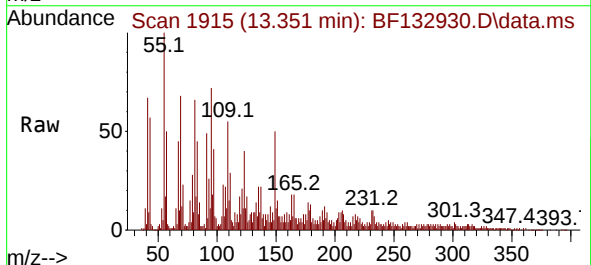
Instrument :
 BNA_F
 ClientSampleId :
 SPB-1WC-23-04-17

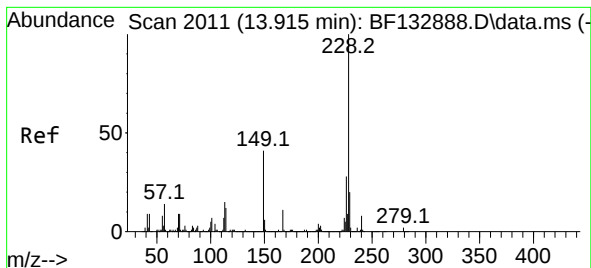
Tgt Ion:244 Resp: 2217161
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 12.7 9.6 14.4



#80
 Butylbenzylphthalate
 Concen: 10.159 ng
 RT: 13.351 min Scan# 1915
 Delta R.T. -0.000 min
 Lab File: BF132930.D
 Acq: 20 Apr 2023 00:48

Tgt Ion:149 Resp: 54712
 Ion Ratio Lower Upper
 149 100
 91 98.4 65.4 98.0#
 206 20.8 15.6 23.4





#81

Benzo(a)anthracene

Concen: 24.816 ng

RT: 13.916 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BF132930.D

Acq: 20 Apr 2023 00:48

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

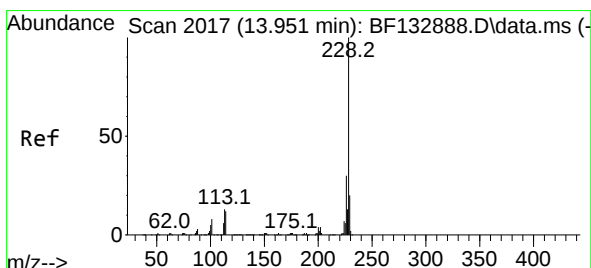
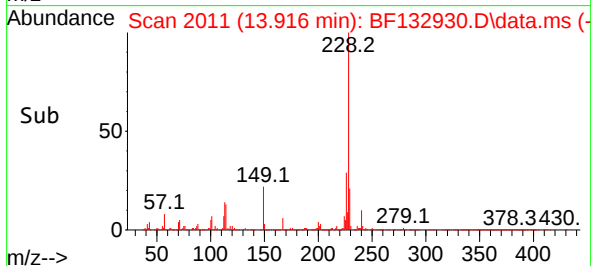
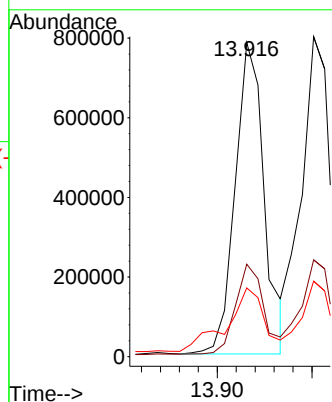
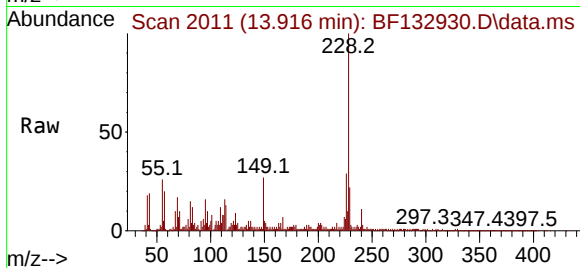
Tgt Ion:228 Resp: 831610

Ion Ratio Lower Upper

228 100

226 29.5 22.4 33.6

229 21.9 16.2 24.2



#83

Chrysene

Concen: 24.708 ng

RT: 13.951 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF132930.D

Acq: 20 Apr 2023 00:48

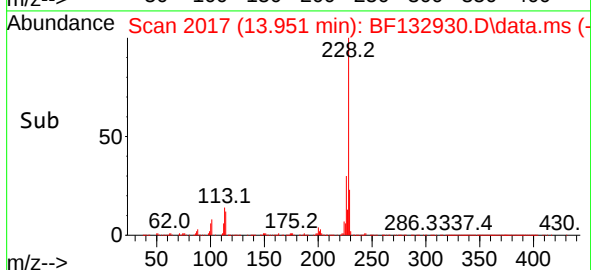
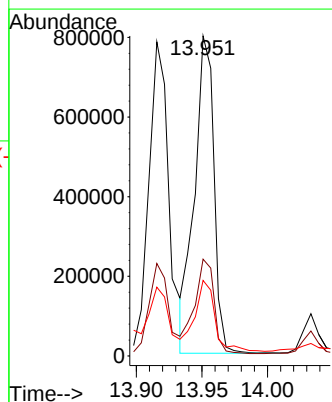
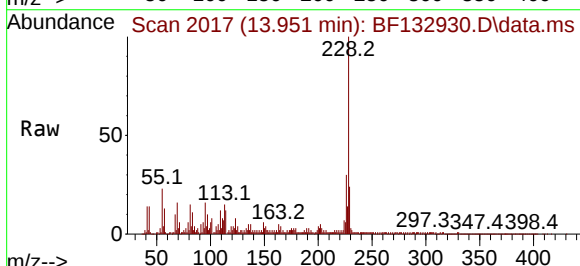
Tgt Ion:228 Resp: 822975

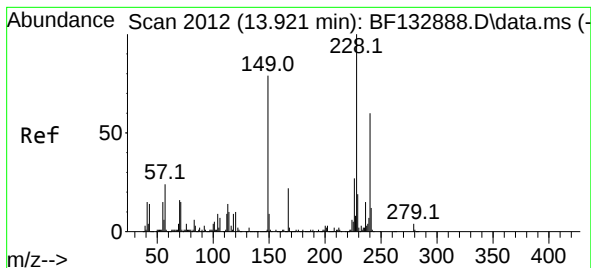
Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 23.6 16.2 24.4

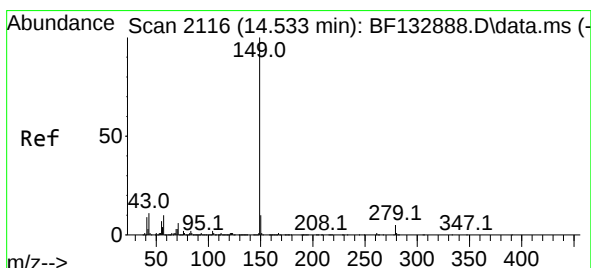
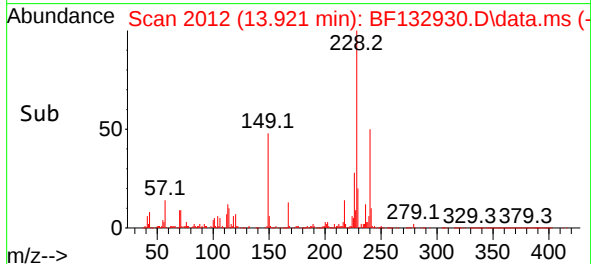
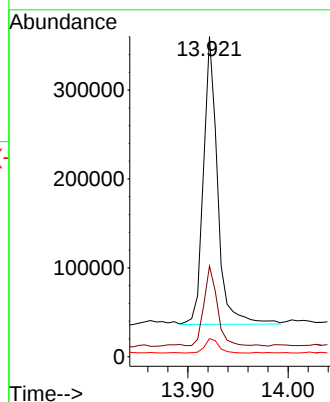
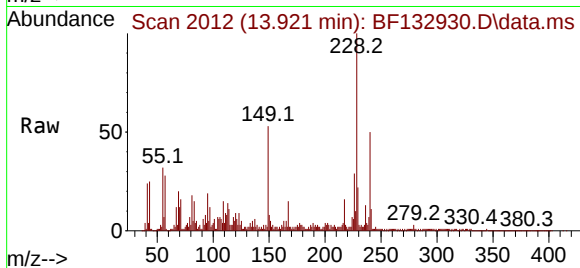




#84
Bis(2-ethylhexyl)phthalate
Concen: 24.995 ng
RT: 13.921 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF132930.D
Acq: 20 Apr 2023 00:48

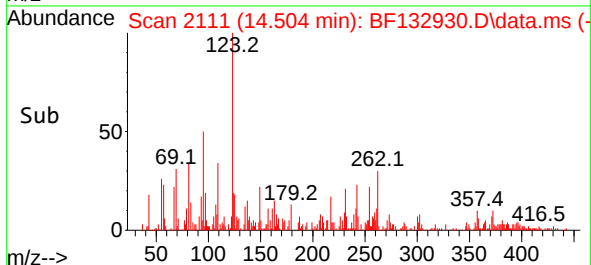
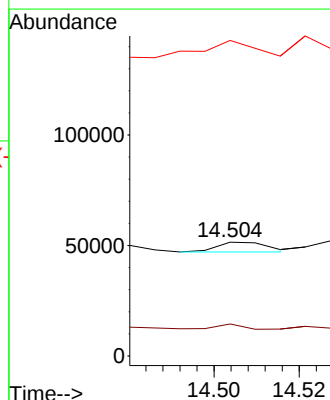
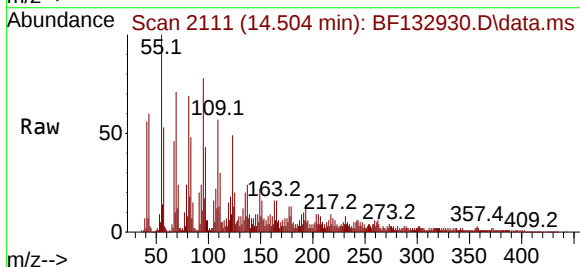
Instrument :
BNA_F
ClientSampleId :
SPB-1WC-23-04-17

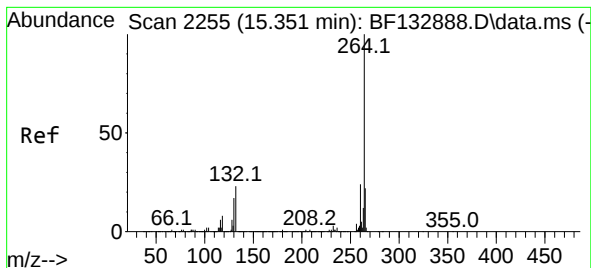
Tgt Ion:149 Resp: 318578
Ion Ratio Lower Upper
149 100
167 28.3 22.2 33.4
279 5.7 4.2 6.2



#85
Di-n-octyl phthalate
Concen: 6.498 ng
RT: 14.504 min Scan# 2111
Delta R.T. -0.029 min
Lab File: BF132930.D
Acq: 20 Apr 2023 00:48

Tgt Ion:149 Resp: 3671
Ion Ratio Lower Upper
149 100
167 30.9 1.2 1.8#
43 206.8 11.5 17.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.368 min Scan# 21

Delta R.T. 0.017 min

Lab File: BF132930.D

Acq: 20 Apr 2023 00:48

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

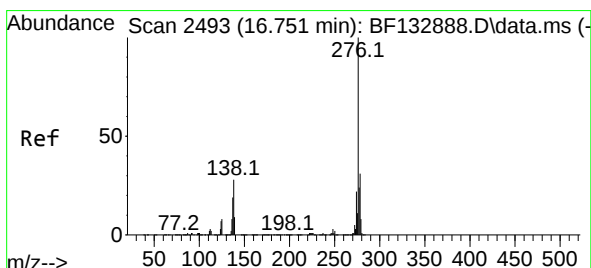
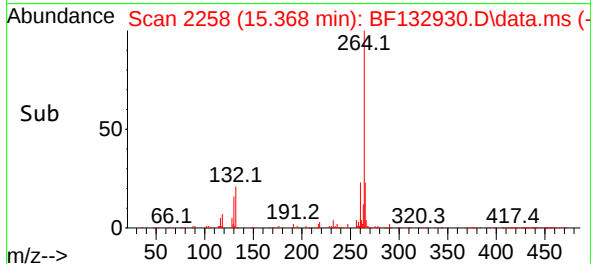
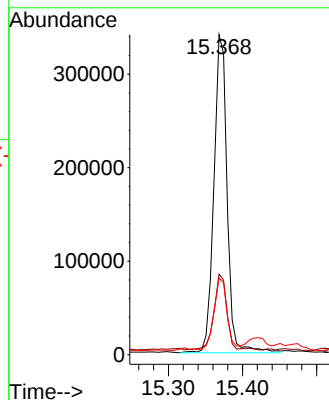
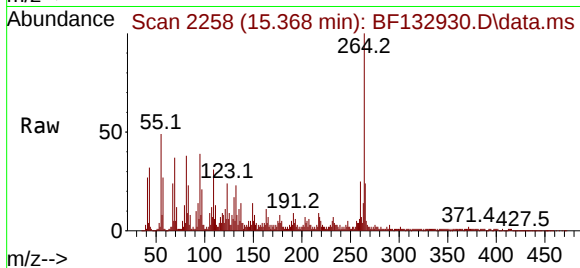
Tgt Ion:264 Resp: 422509

Ion Ratio Lower Upper

264 100

260 25.1 19.0 28.6

265 23.9 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.958 ng

RT: 16.768 min Scan# 2496

Delta R.T. 0.017 min

Lab File: BF132930.D

Acq: 20 Apr 2023 00:48

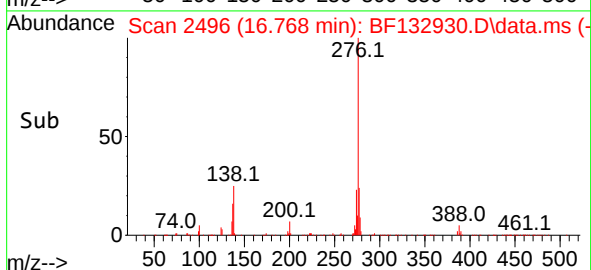
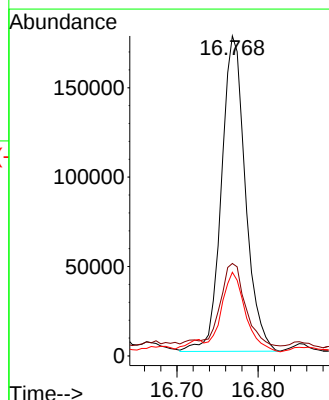
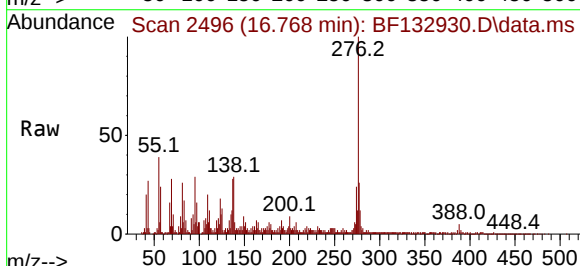
Tgt Ion:276 Resp: 361110

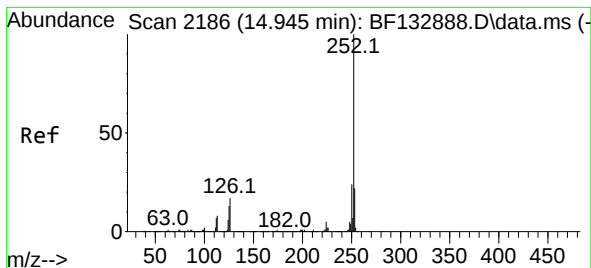
Ion Ratio Lower Upper

276 100

138 27.1 25.5 38.3

277 25.4 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 47.642 ng

RT: 14.957 min Scan# 2186

Delta R.T. 0.012 min

Lab File: BF132930.D

Acq: 20 Apr 2023 00:48

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

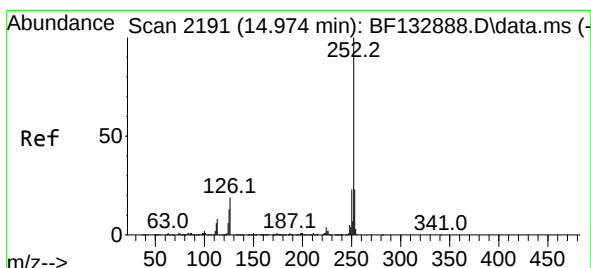
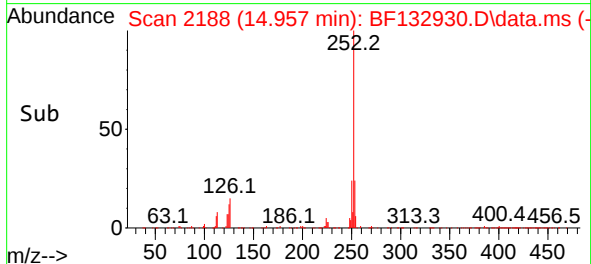
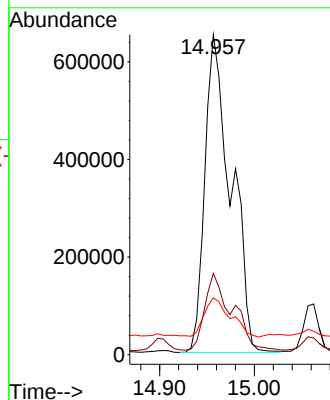
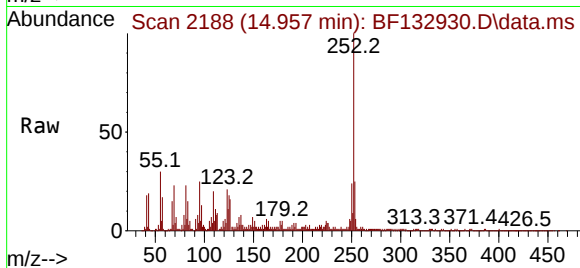
Tgt Ion:252 Resp: 1253849

Ion Ratio Lower Upper

252 100

253 25.4 17.9 26.9

125 17.7 10.0 15.0#



#89

Benzo(k)fluoranthene

Concen: 47.825 ng

RT: 14.957 min Scan# 2188

Delta R.T. -0.018 min

Lab File: BF132930.D

Acq: 20 Apr 2023 00:48

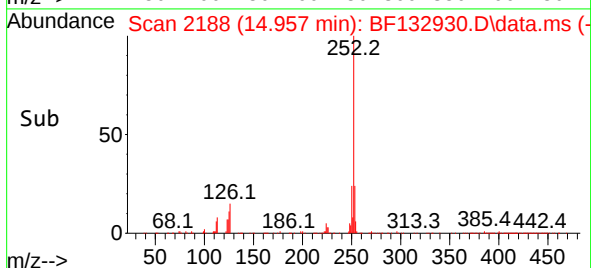
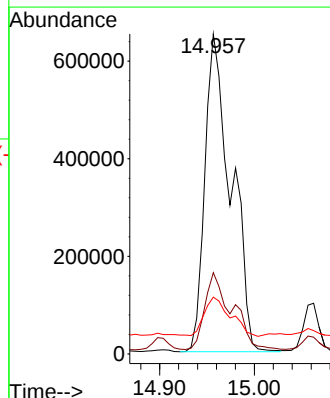
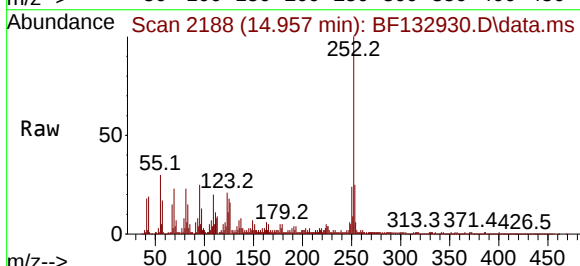
Tgt Ion:252 Resp: 1253849

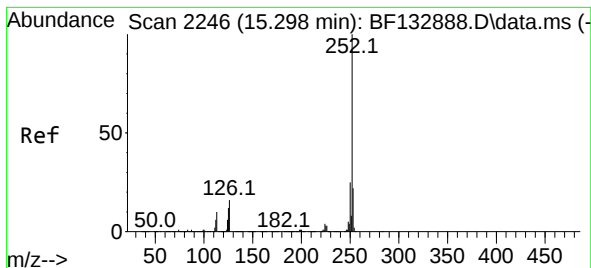
Ion Ratio Lower Upper

252 100

253 25.4 18.0 27.0

125 17.7 10.0 15.0#





#90

Benzo(a)pyrene

Concen: 23.608 ng

RT: 15.310 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF132930.D

Acq: 20 Apr 2023 00:48

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

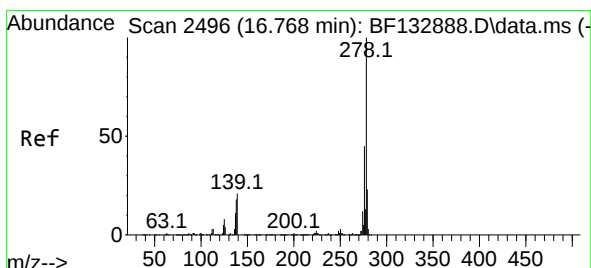
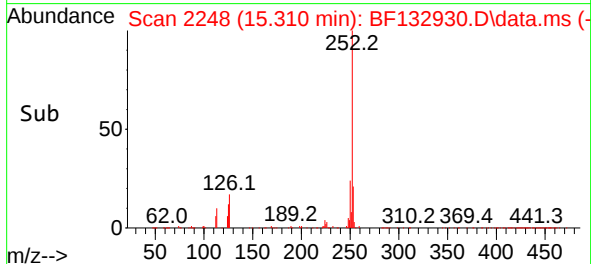
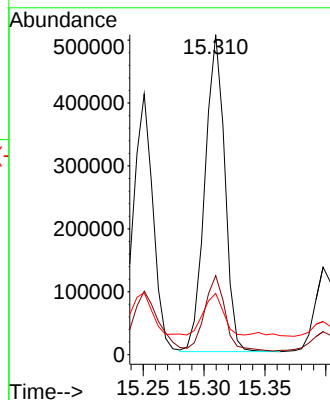
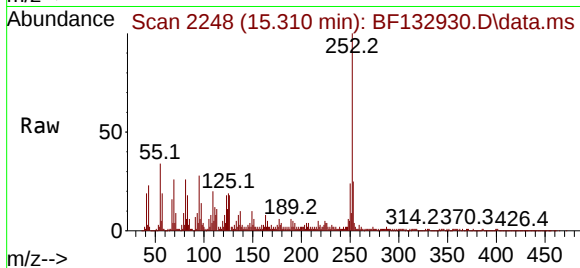
Tgt Ion:252 Resp: 567645

Ion Ratio Lower Upper

252 100

253 24.7 17.7 26.5

125 19.1 9.9 14.9#



#91

Dibenzo(a,h)anthracene

Concen: 4.891 ng

RT: 16.792 min Scan# 2500

Delta R.T. 0.024 min

Lab File: BF132930.D

Acq: 20 Apr 2023 00:48

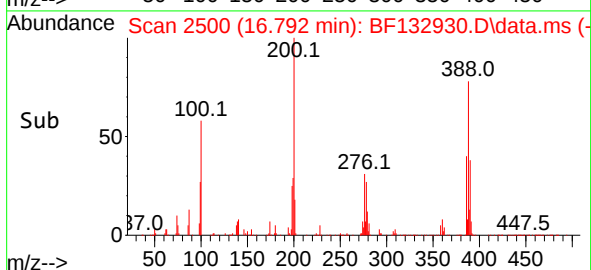
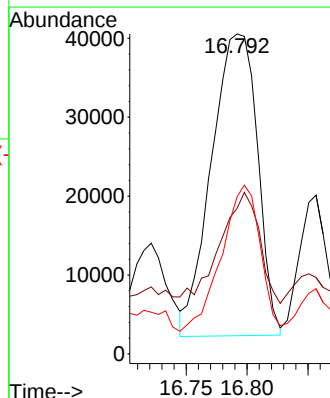
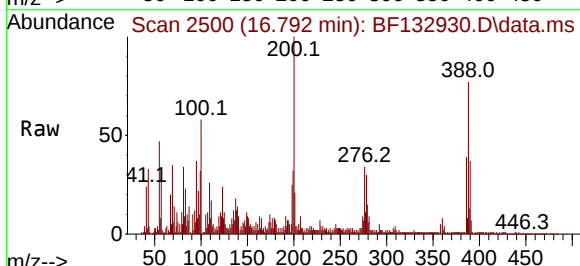
Tgt Ion:278 Resp: 100615

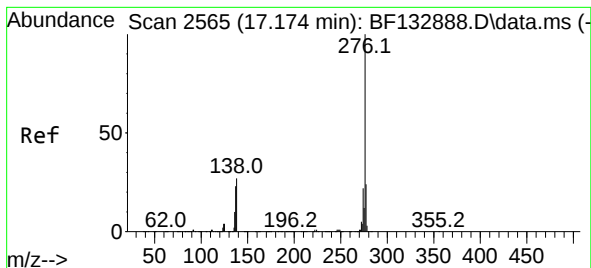
Ion Ratio Lower Upper

278 100

139 45.6 16.7 25.1#

279 49.1 18.4 27.6#





#92

Benzo(g,h,i)perylene

Concen: 17.871 ng

RT: 17.192 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF132930.D

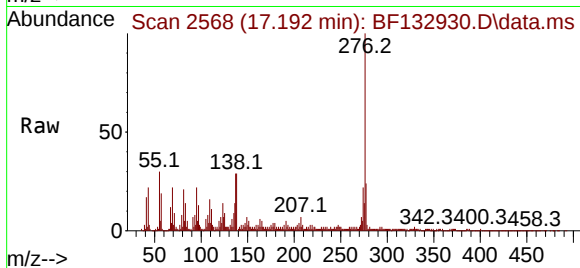
Acq: 20 Apr 2023 00:48

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17



Tgt Ion:276 Resp: 351984

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 29.3 21.7 32.5

