

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133047.D
 Acq On : 26 Apr 2023 01:34
 Operator : CG\JU
 Sample : 02390-11 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPC-3WC-23-04-17

Quant Time: Apr 26 02:21:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 18:24:07 2023
 Response via : Initial Calibration

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

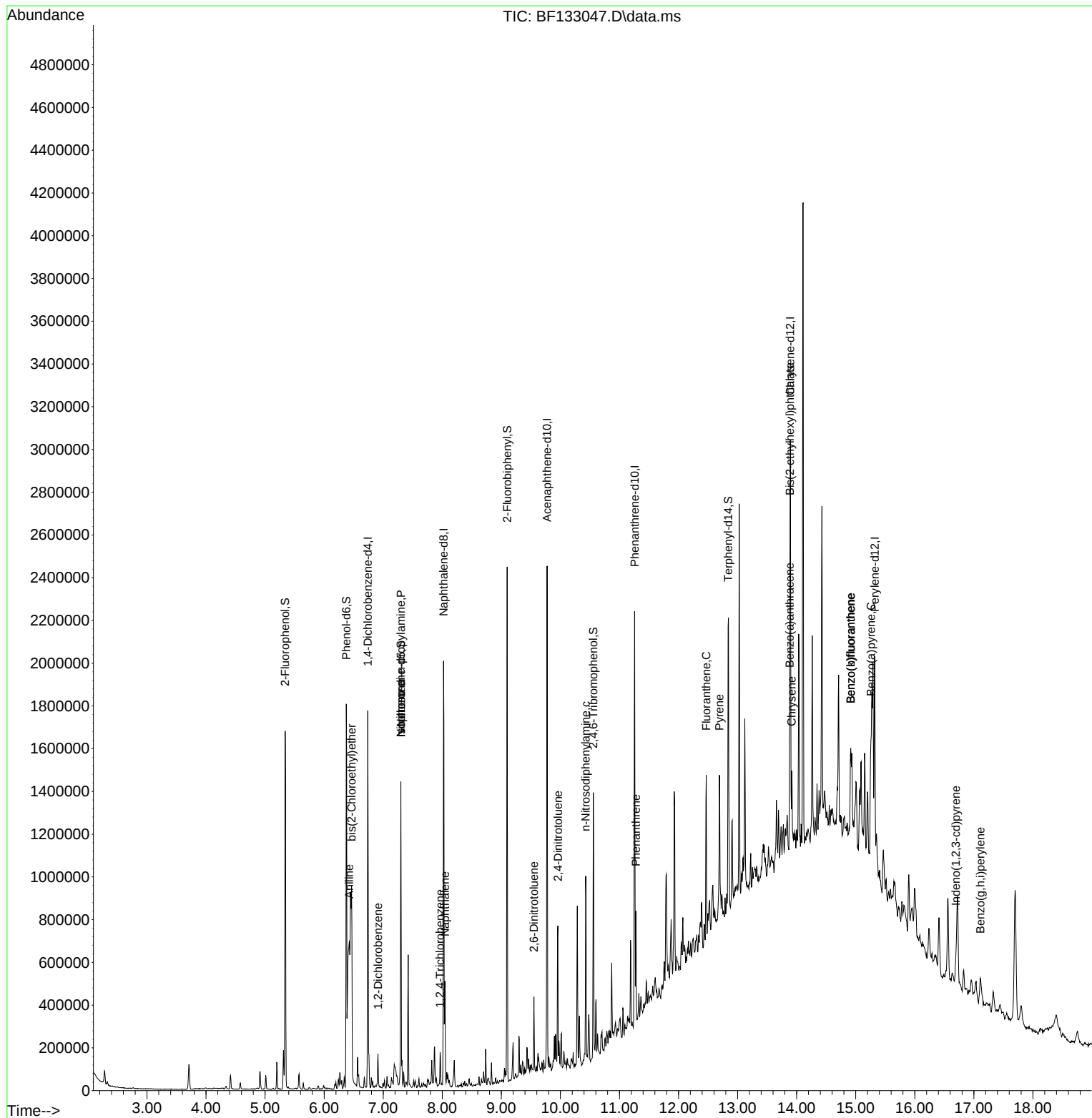
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	216725	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	816217	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	409796	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	655111	20.000	ng	0.00
76) Chrysene-d12	13.892	240	431398	20.000	ng	0.00
86) Perylene-d12	15.321	264	429082	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	454119	31.653	ng	-0.01
7) Phenol-d6	6.375	99	567143	31.849	ng	-0.01
23) Nitrobenzene-d5	7.298	82	354660	23.454	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	116898	28.364	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	622823	25.427	ng	-0.01
79) Terphenyl-d14	12.839	244	462327	18.483	ng	-0.01
Target Compounds						Qvalue
6) Aniline	6.422	93	631503	27.534	ng	98
9) Benzaldehyde	6.281	77	3426	Below Cal		89
11) bis(2-Chloroethyl)ether	6.463	93	745209	50.551	ng	# 23
14) 1,2-Dichlorobenzene	6.910	146	30377	2.123	ng	98
19) n-Nitroso-di-n-propyla...	7.298	70	46412	4.187	ng	# 78
25) Isophorone	7.298	82	353041	12.296	ng	# 62
30) 1,2,4-Trichlorobenzene	7.963	180	24382	2.040	ng	99
31) Naphthalene	8.045	128	169791	4.161	ng	99
51) 2,6-Dinitrotoluene	9.551	165	30382	4.724	ng	94
57) 2,4-Dinitrotoluene	9.957	165	112817	13.755	ng	# 86
66) n-Nitrosodiphenylamine	10.428	169	200014	9.412	ng	99
71) Phenanthrene	11.280	178	164284	4.666	ng	98
75) Fluoranthene	12.469	202	288933	8.176	ng	98
78) Pyrene	12.692	202	260763	7.051	ng	98
81) Benzo(a)anthracene	13.880	228	153084	5.160	ng	96
83) Chrysene	13.916	228	157261	5.302	ng	97
84) Bis(2-ethylhexyl)phtha...	13.886	149	150416	9.152	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.698	276	82802	3.393	ng	97
88) Benzo(b)fluoranthene	14.916	252	278933	10.218	ng	# 90
89) Benzo(k)fluoranthene	14.916	252	278933	10.308	ng	# 90
90) Benzo(a)pyrene	15.257	252	127013	5.112	ng	# 88
92) Benzo(g,h,i)perylene	17.110	276	77954	3.879	ng	95

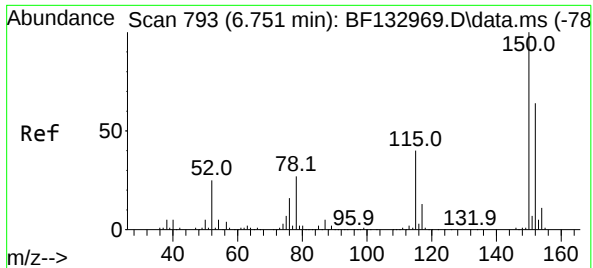
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133047.D
Acq On : 26 Apr 2023 01:34
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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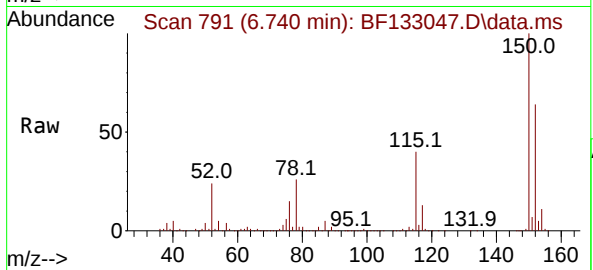
Quant Time: Apr 26 02:21:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 25 18:24:07 2023
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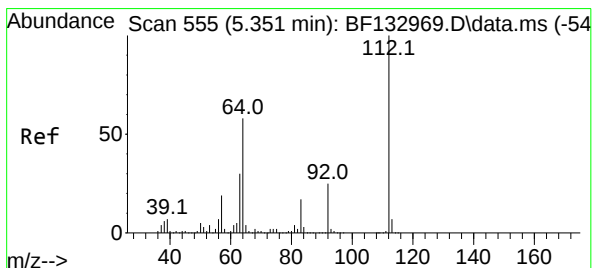
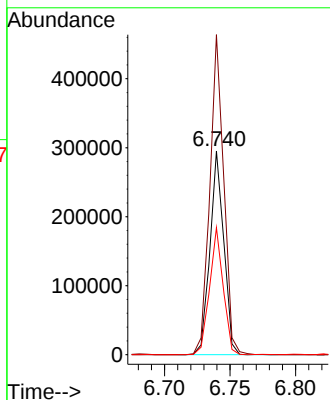
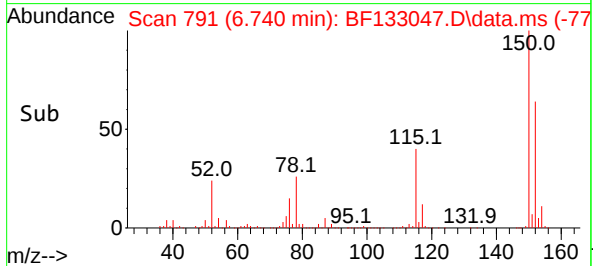


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

Instrument :
BNA_F
ClientSampleId :
SPC-3WC-23-04-17

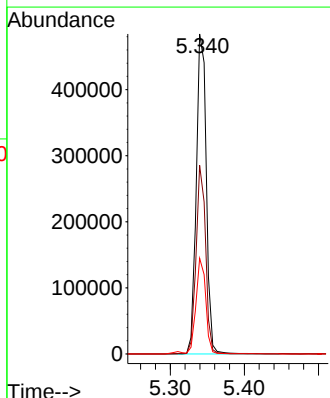
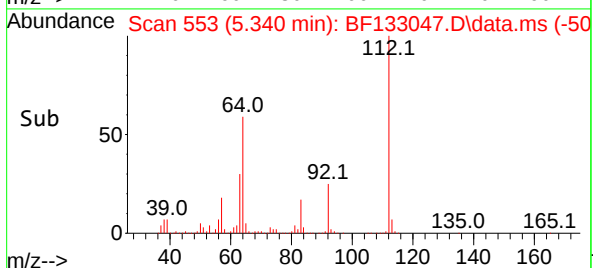
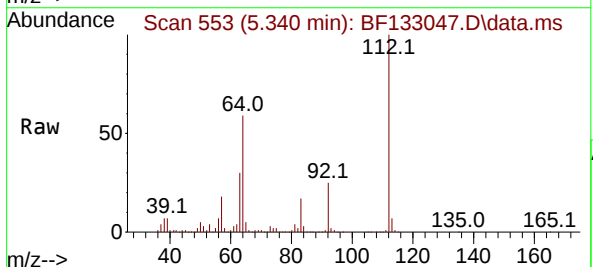


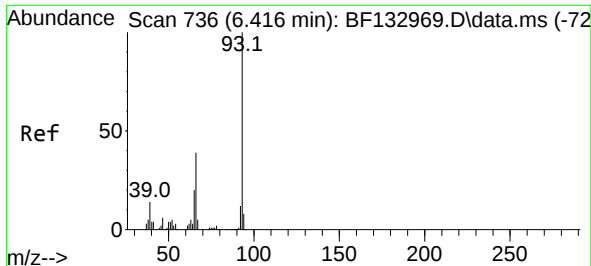
Tgt Ion:152 Resp: 216725
Ion Ratio Lower Upper
152 100
150 157.2 124.8 187.2
115 62.4 49.9 74.9



#5
2-Fluorophenol
Concen: 31.653 ng
RT: 5.340 min Scan# 553
Delta R.T. -0.012 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

Tgt Ion:112 Resp: 454119
Ion Ratio Lower Upper
112 100
64 59.0 46.8 70.2
63 29.9 23.8 35.8





#6

Aniline

Concen: 27.534 ng

RT: 6.422 min Scan# 71

Delta R.T. 0.012 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

Instrument :

BNA_F

ClientSampleId :

SPC-3WC-23-04-17

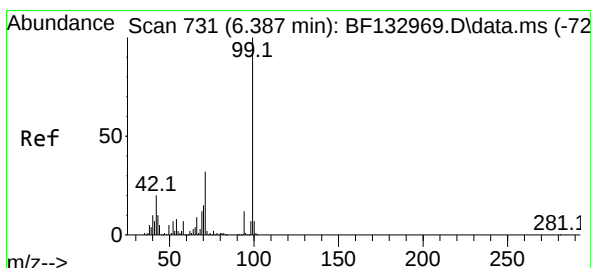
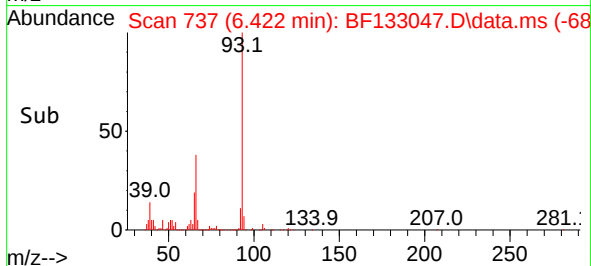
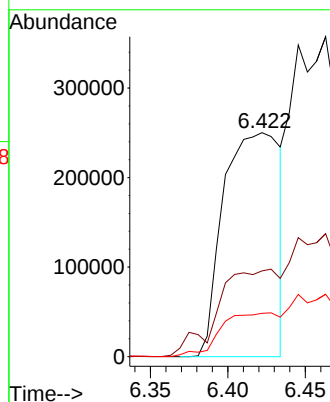
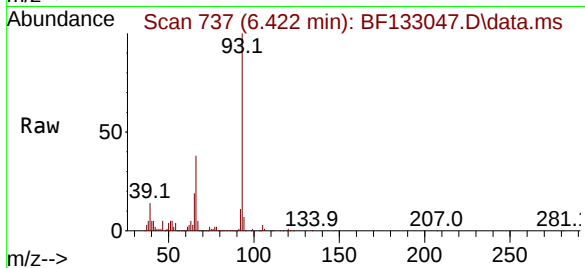
Tgt Ion: 93 Resp: 631503

Ion Ratio Lower Upper

93 100

66 38.3 31.5 47.3

65 19.4 16.4 24.6



#7

Phenol-d6

Concen: 31.849 ng

RT: 6.375 min Scan# 729

Delta R.T. -0.012 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

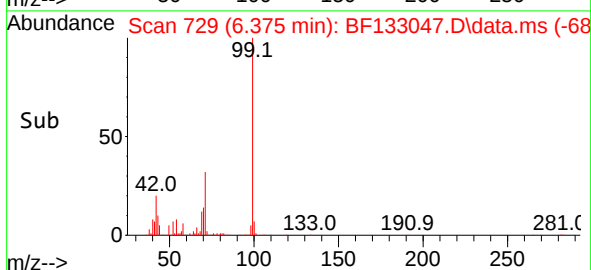
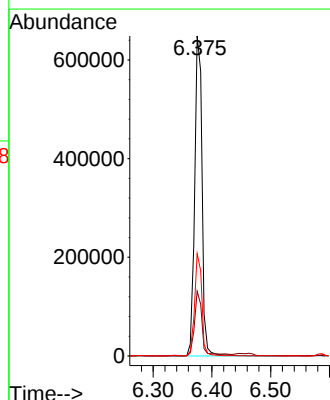
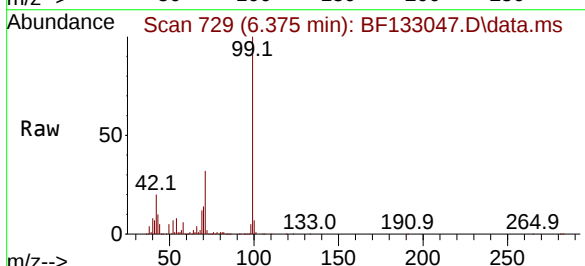
Tgt Ion: 99 Resp: 567143

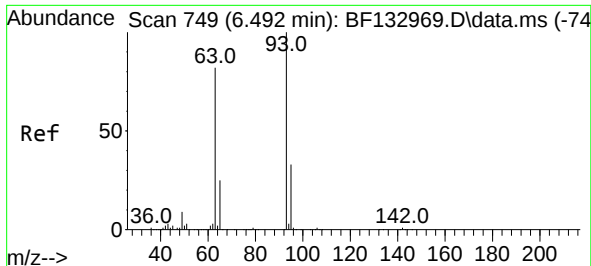
Ion Ratio Lower Upper

99 100

42 20.3 16.3 24.5

71 31.9 25.6 38.4

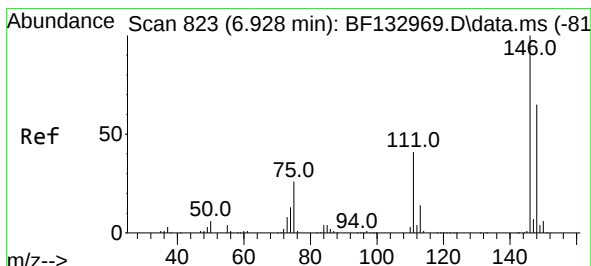
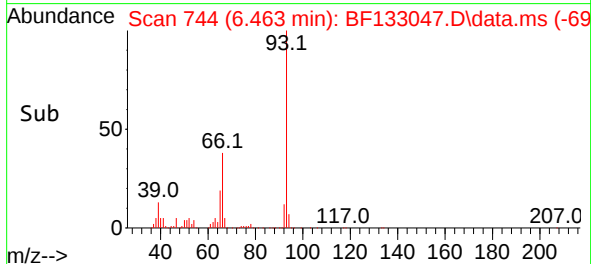
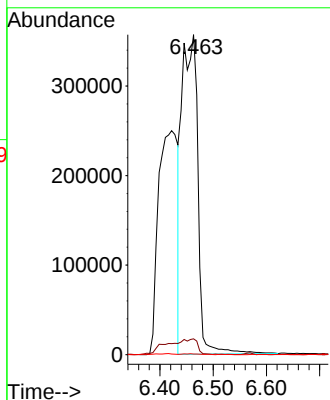
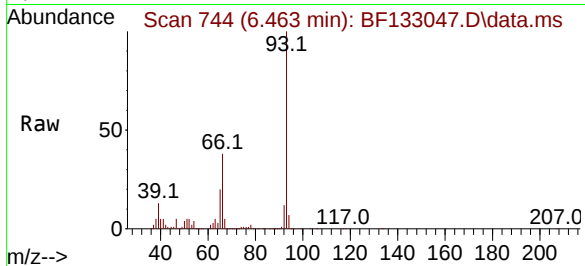




#11
bis(2-Chloroethyl)ether
Concen: 50.551 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.023 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

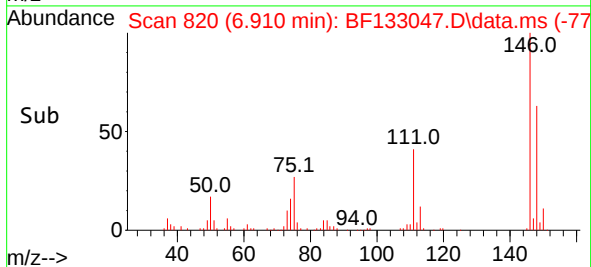
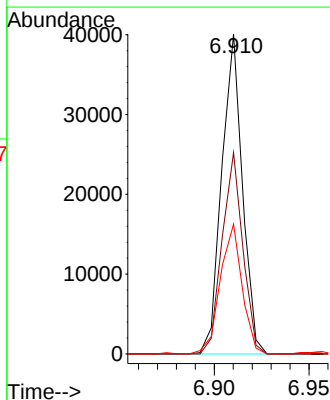
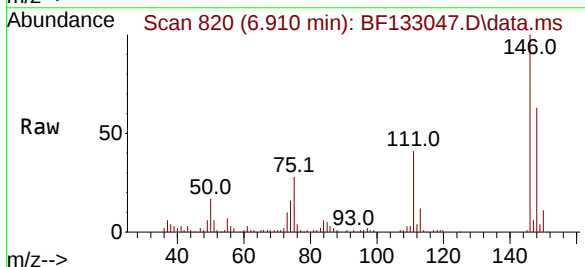
Instrument :
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ClientSampleId :
SPC-3WC-23-04-17

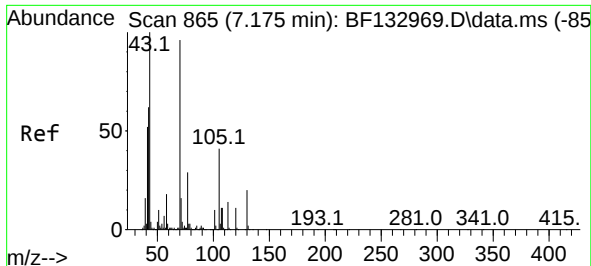
Tgt Ion: 93 Resp: 745209
Ion Ratio Lower Upper
93 100
63 5.0 60.6 100.6#
95 0.2 12.9 52.9#



#14
1,2-Dichlorobenzene
Concen: 2.123 ng
RT: 6.910 min Scan# 820
Delta R.T. -0.006 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

Tgt Ion: 146 Resp: 30377
Ion Ratio Lower Upper
146 100
148 62.9 52.2 78.2
111 40.5 32.8 49.2

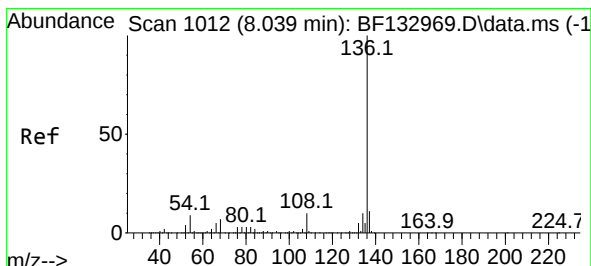
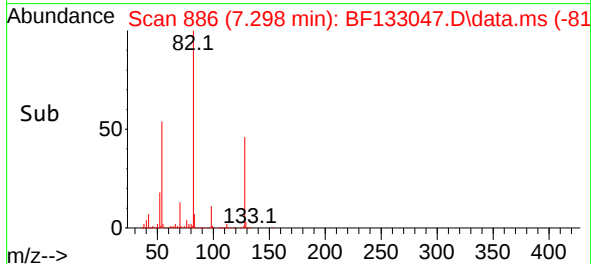
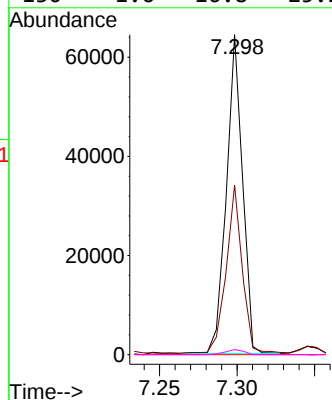
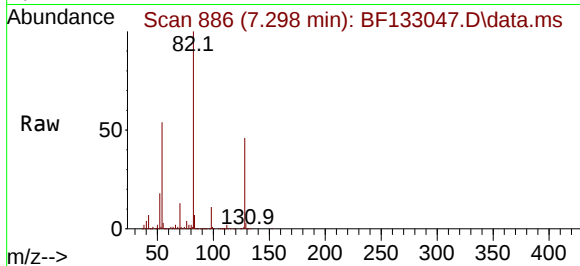




#19
n-Nitroso-di-n-propylamine
Concen: 4.187 ng
RT: 7.298 min Scan# 81
Delta R.T. 0.135 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

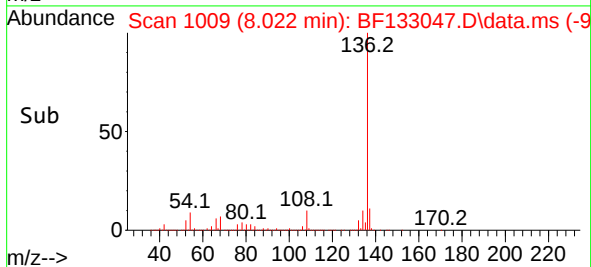
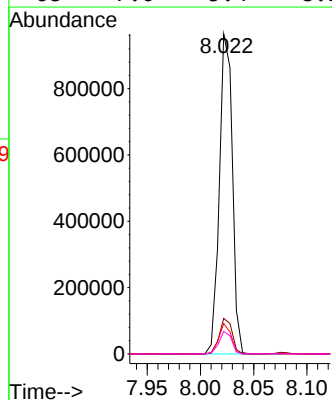
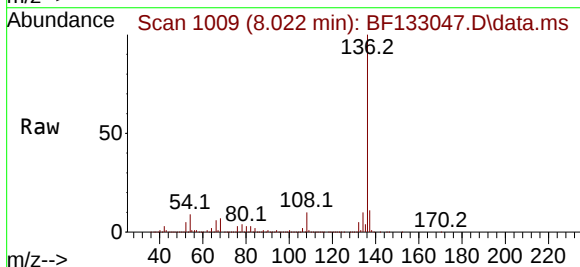
Instrument :
BNA_F
ClientSampleId :
SPC-3WC-23-04-17

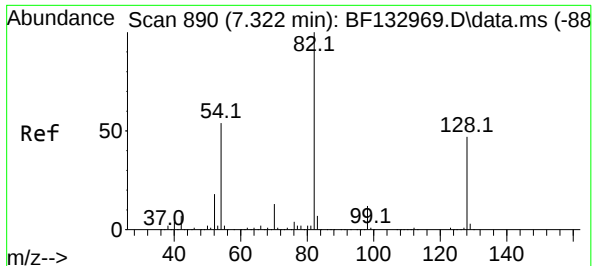
Tgt Ion: 70 Resp: 46412
Ion Ratio Lower Upper
70 100
42 53.0 51.8 77.6
101 0.0 8.0 12.0#
130 1.6 16.8 25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

Tgt Ion: 136 Resp: 816217
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.5 7.0 10.4
68 7.0 5.4 8.2





#23

Nitrobenzene-d5

Concen: 23.454 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.012 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

Instrument :

BNA_F

ClientSampleId :

SPC-3WC-23-04-17

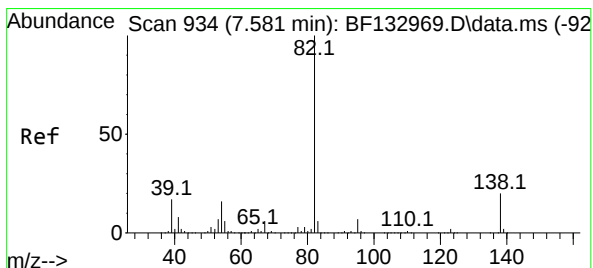
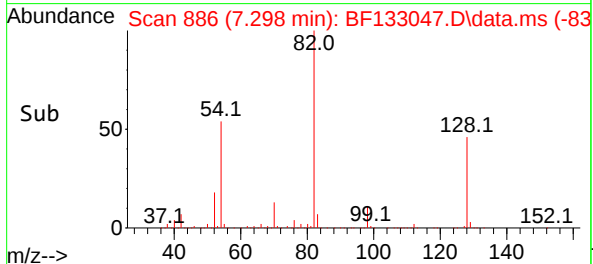
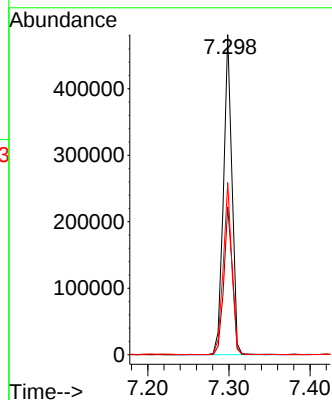
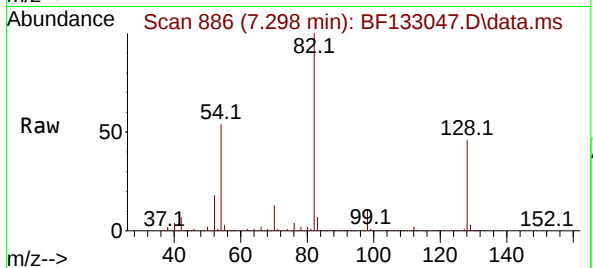
Tgt Ion: 82 Resp: 354660

Ion Ratio Lower Upper

82 100

128 46.2 37.7 56.5

54 53.8 43.0 64.4



#25

Isophorone

Concen: 12.296 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.270 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

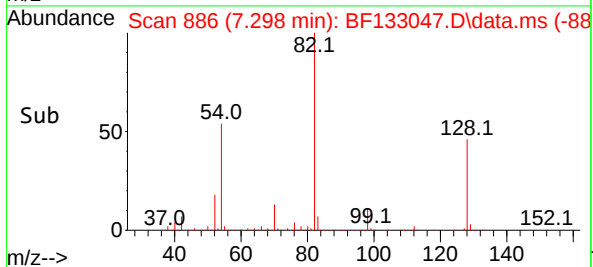
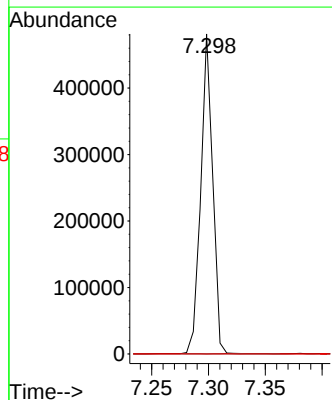
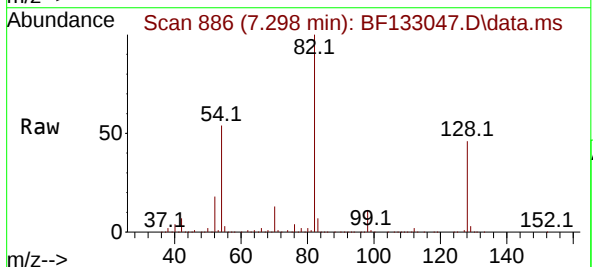
Tgt Ion: 82 Resp: 353041

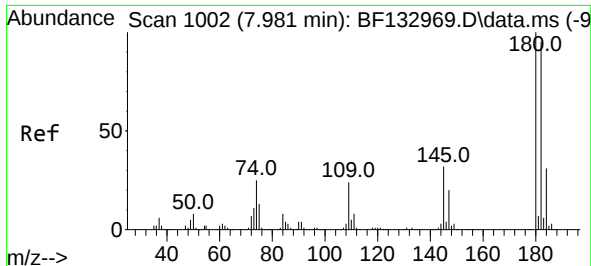
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 16.0 24.0#





#30

1,2,4-Trichlorobenzene

Concen: 2.040 ng

RT: 7.963 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF133047.D

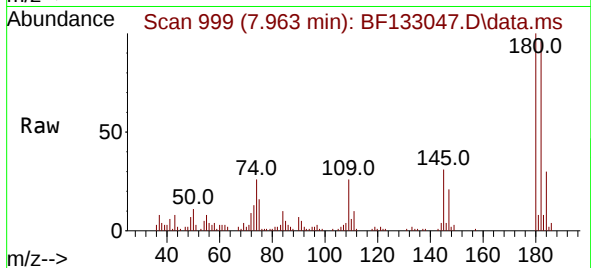
Acq: 26 Apr 2023 01:34

Instrument :

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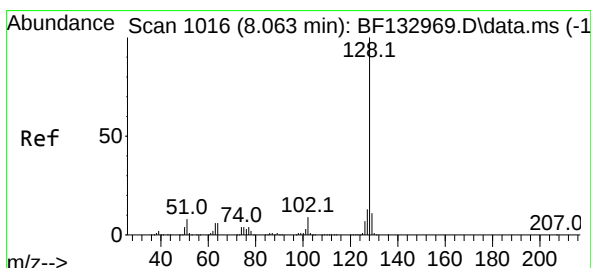
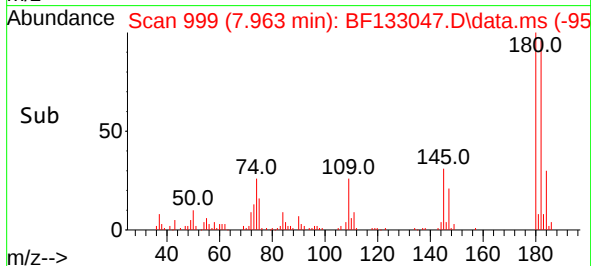
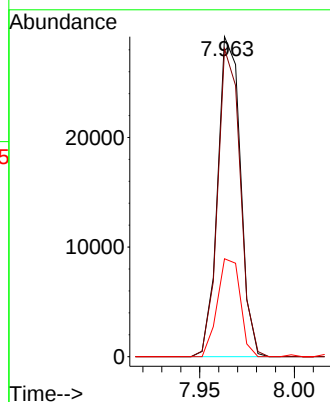
Tgt Ion:180 Resp: 24382

Ion Ratio Lower Upper

180 100

182 96.2 75.9 113.9

145 30.6 25.3 37.9



#31

Naphthalene

Concen: 4.161 ng

RT: 8.045 min Scan# 1013

Delta R.T. -0.006 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

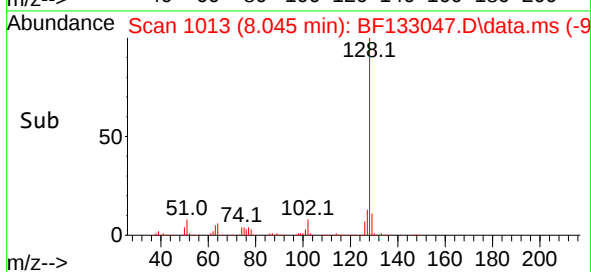
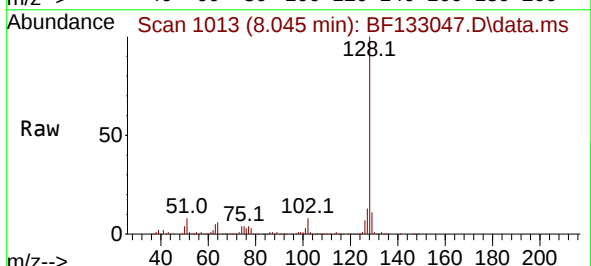
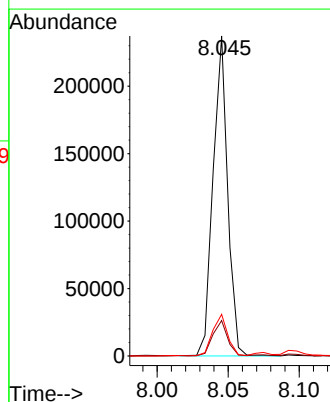
Tgt Ion:128 Resp: 169791

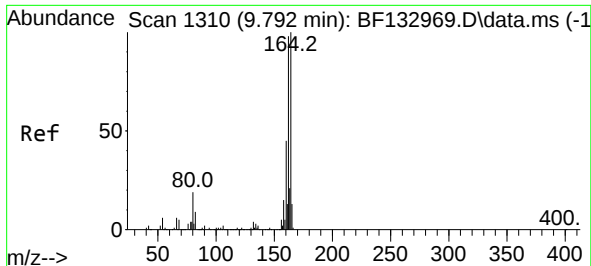
Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.0 10.7 16.1

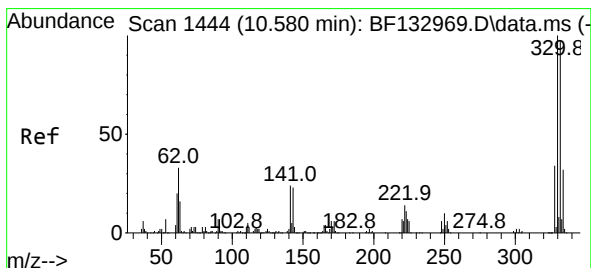
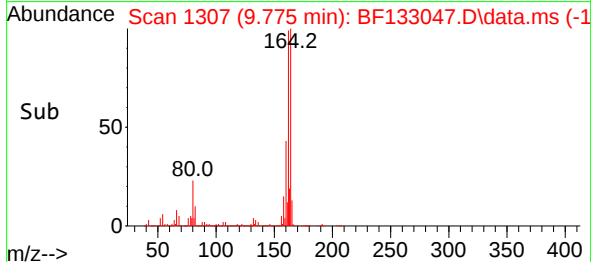
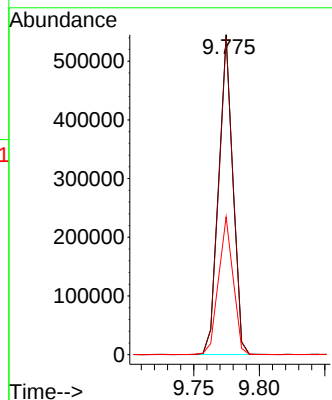
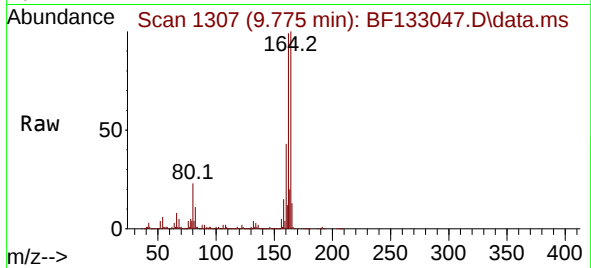




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

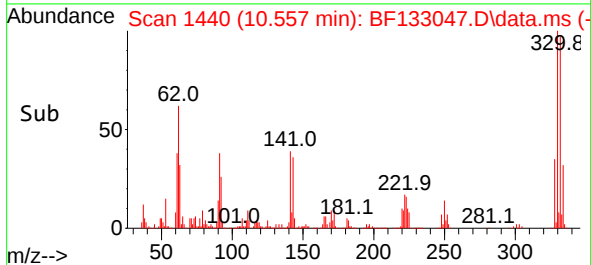
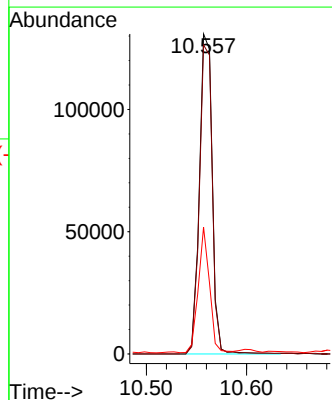
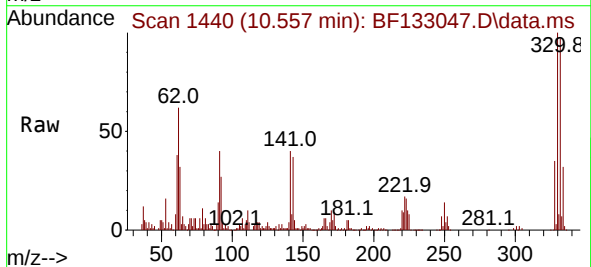
Instrument :
BNA_F
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SPC-3WC-23-04-17

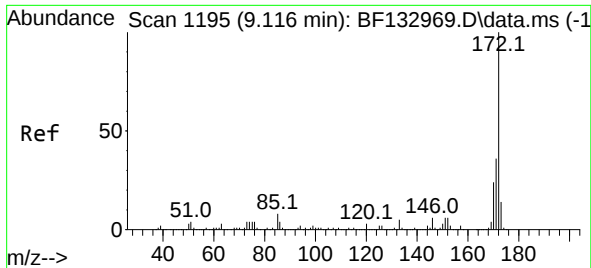
Tgt Ion:164 Resp: 409796
Ion Ratio Lower Upper
164 100
162 99.2 78.7 118.1
160 43.1 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 28.364 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.012 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

Tgt Ion:330 Resp: 116898
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 34.0 25.8 38.8

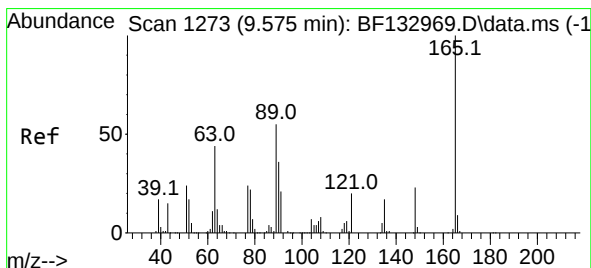
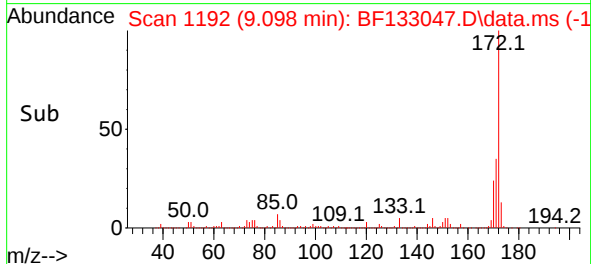
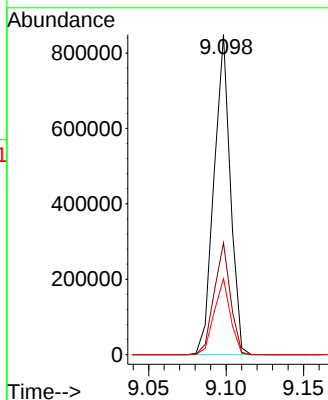
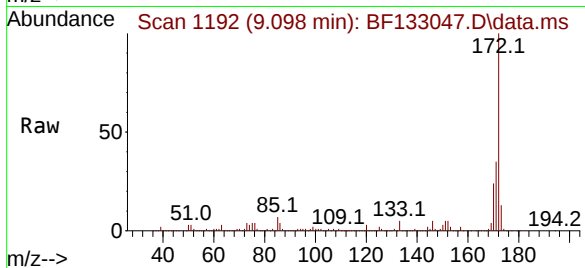




#45
2-Fluorobiphenyl
Concen: 25.427 ng
RT: 9.098 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

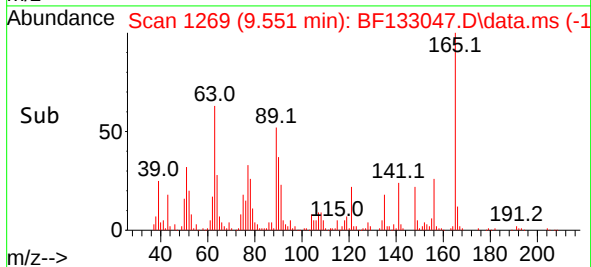
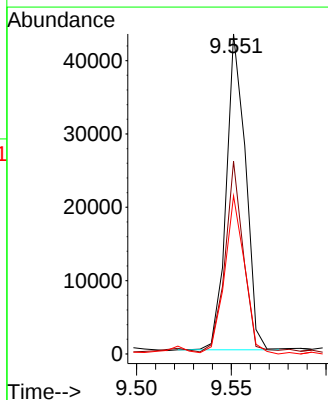
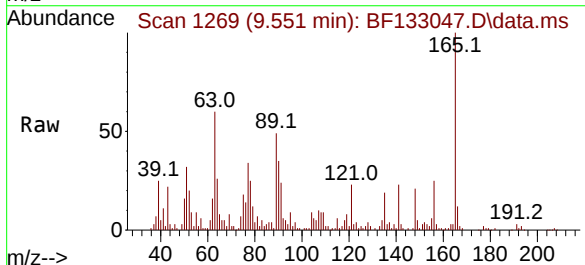
Instrument :
BNA_F
ClientSampleId :
SPC-3WC-23-04-17

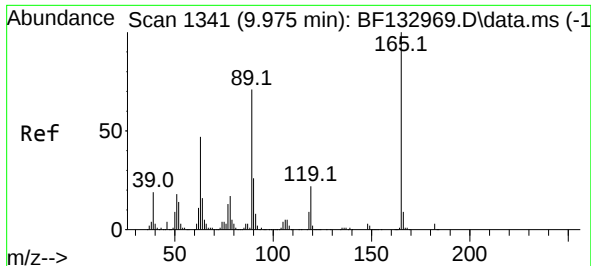
Tgt Ion:172 Resp: 622823
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.8 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 4.724 ng
RT: 9.551 min Scan# 1269
Delta R.T. -0.017 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

Tgt Ion:165 Resp: 30382
Ion Ratio Lower Upper
165 100
63 60.2 45.9 68.9
89 49.4 44.0 66.0

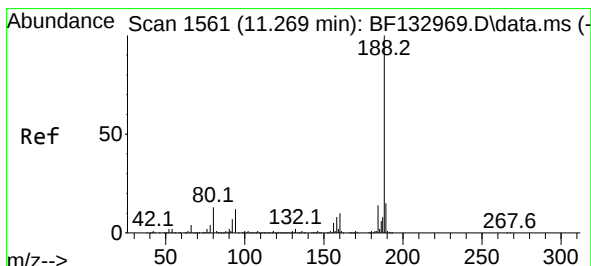
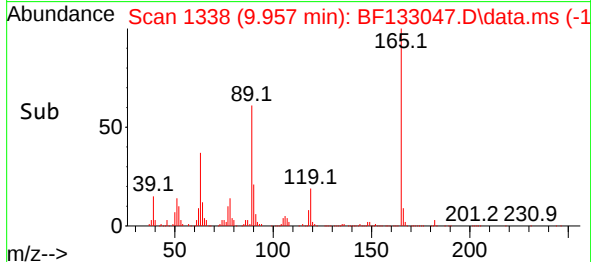
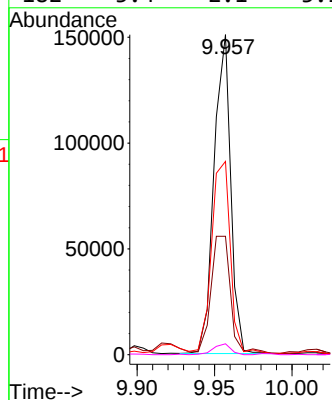
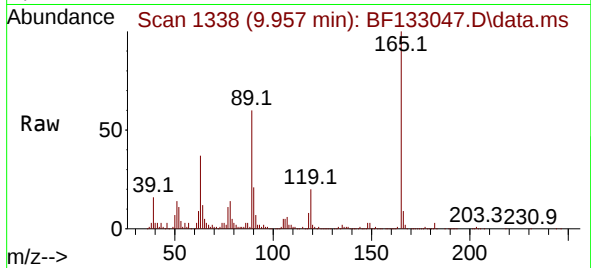




#57
2,4-Dinitrotoluene
Concen: 13.755 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

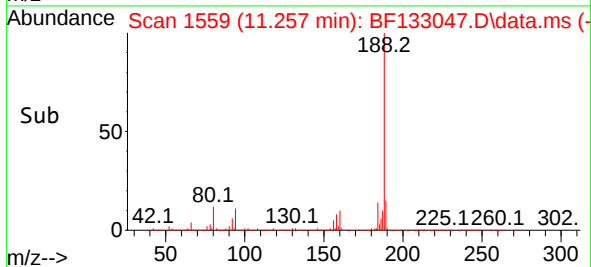
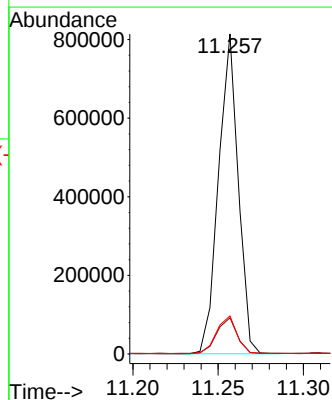
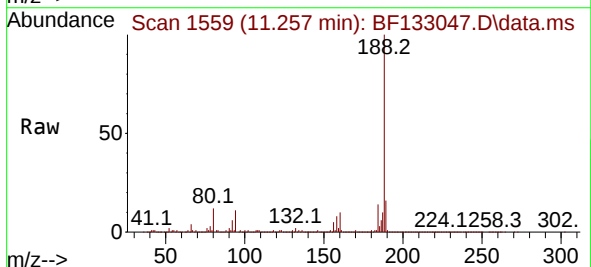
Instrument :
BNA_F
ClientSampleId :
SPC-3WC-23-04-17

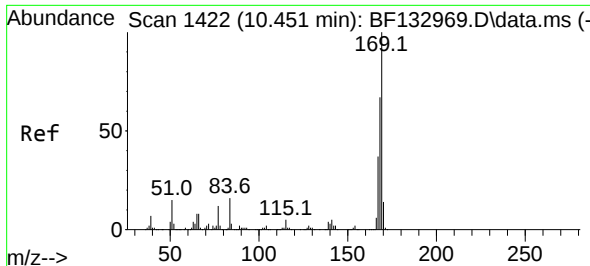
Tgt Ion:165 Resp: 112817
Ion Ratio Lower Upper
165 100
63 37.0 37.7 56.5#
89 60.4 57.0 85.4
182 3.4 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

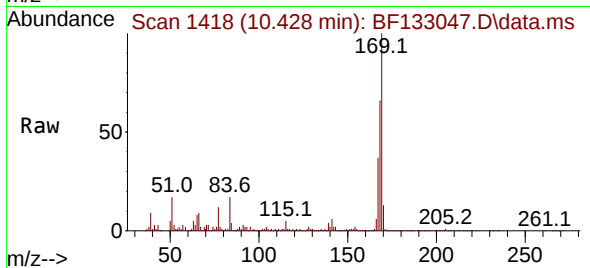
Tgt Ion:188 Resp: 655111
Ion Ratio Lower Upper
188 100
94 11.3 9.7 14.5
80 11.9 10.4 15.6



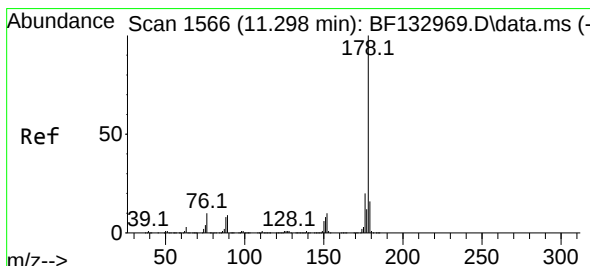
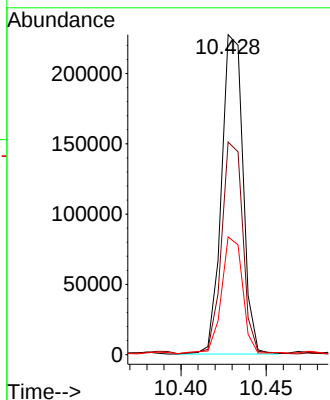
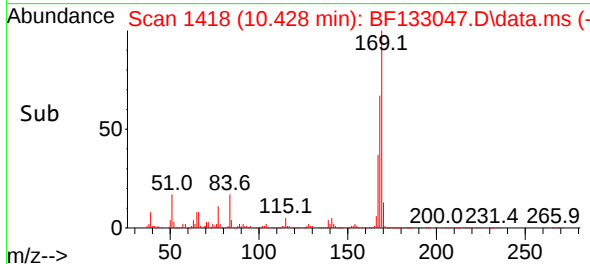


#66
n-Nitrosodiphenylamine
Concen: 9.412 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.017 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

Instrument :
BNA_F
ClientSampleId :
SPC-3WC-23-04-17

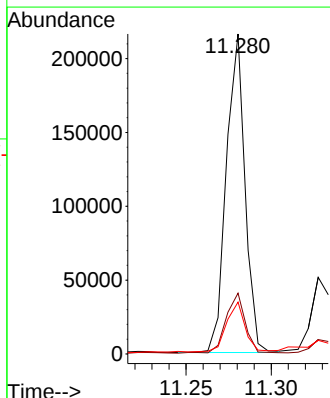
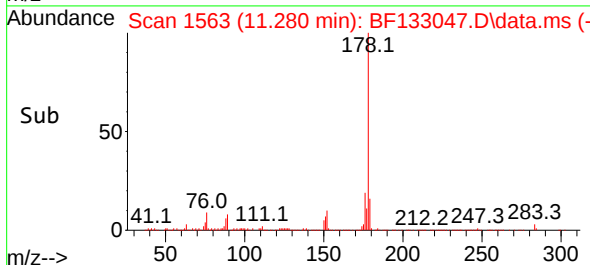
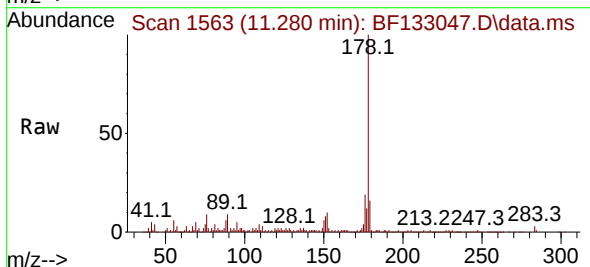


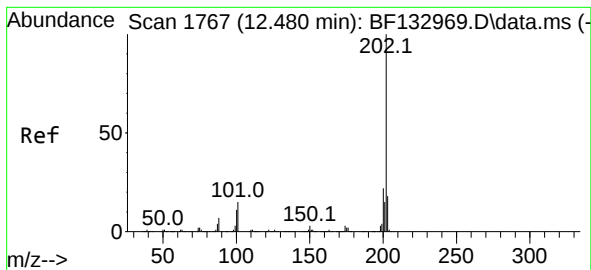
Tgt Ion:169 Resp: 200014
Ion Ratio Lower Upper
169 100
168 66.5 53.8 80.8
167 36.8 29.7 44.5



#71
Phenanthrene
Concen: 4.666 ng
RT: 11.280 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

Tgt Ion:178 Resp: 164284
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 16.2 12.5 18.7





#75

Fluoranthene

Concen: 8.176 ng

RT: 12.469 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

Instrument :

BNA_F

ClientSampleId :

SPC-3WC-23-04-17

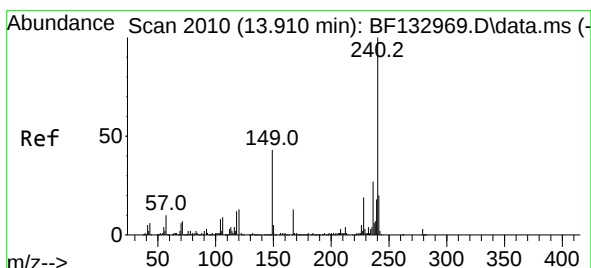
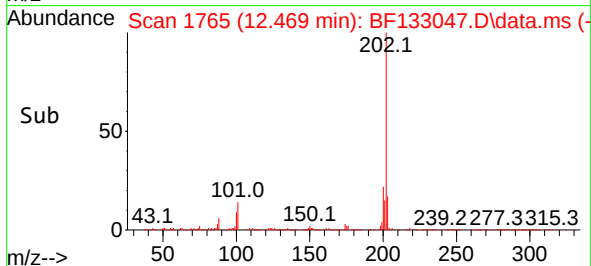
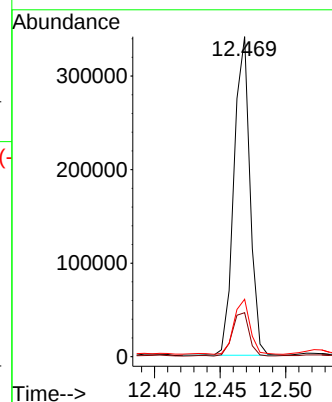
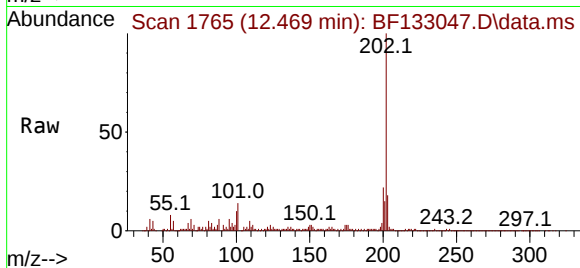
Tgt Ion:202 Resp: 288933

Ion Ratio Lower Upper

202 100

101 13.8 0.0 35.3

203 18.0 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.892 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

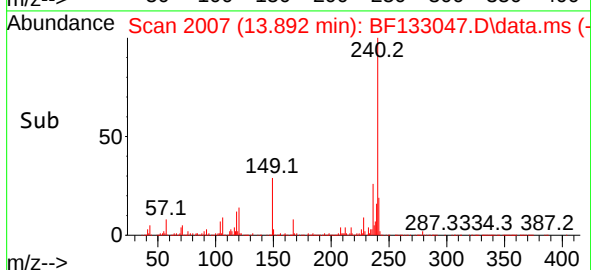
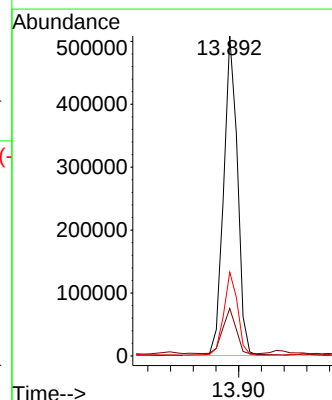
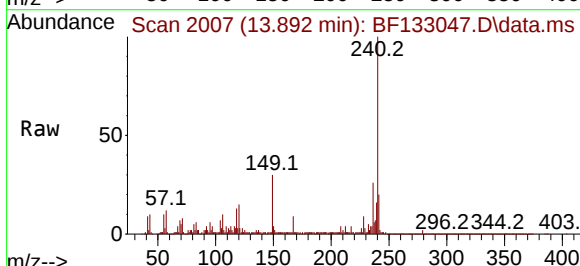
Tgt Ion:240 Resp: 431398

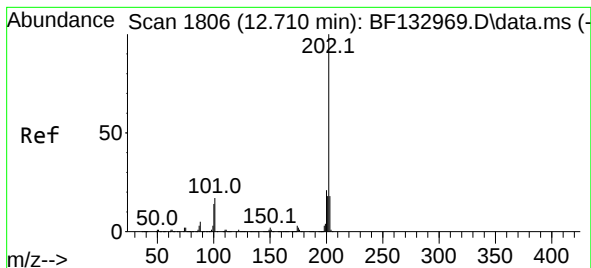
Ion Ratio Lower Upper

240 100

120 14.8 10.5 15.7

236 26.2 21.5 32.3





#78

Pyrene

Concen: 7.051 ng

RT: 12.692 min Scan# 1803

Delta R.T. -0.006 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

Instrument :

BNA_F

ClientSampleId :

SPC-3WC-23-04-17

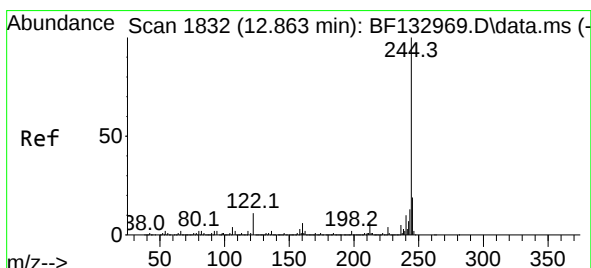
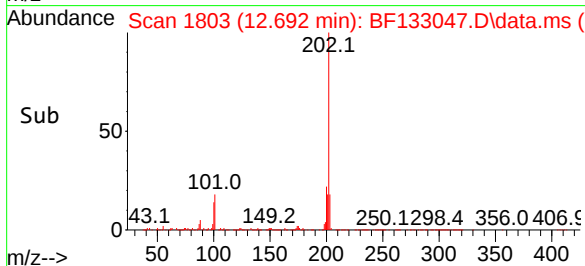
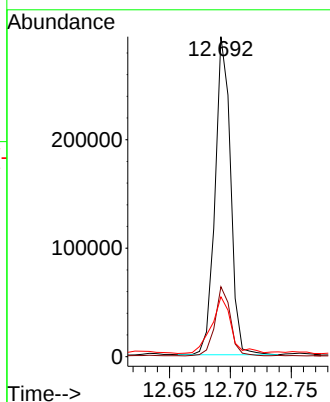
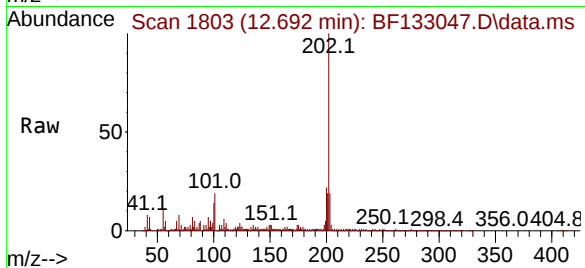
Tgt Ion:202 Resp: 260763

Ion Ratio Lower Upper

202 100

200 21.8 17.1 25.7

203 18.7 14.1 21.1



#79

Terphenyl-d14

Concen: 18.483 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.012 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

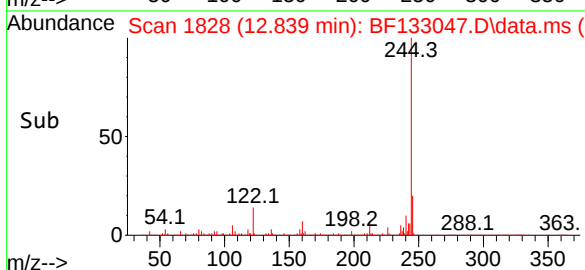
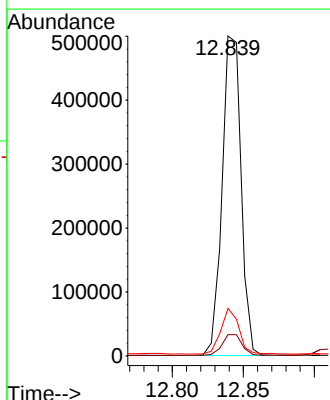
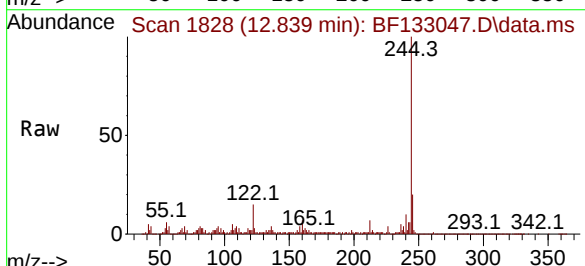
Tgt Ion:244 Resp: 462327

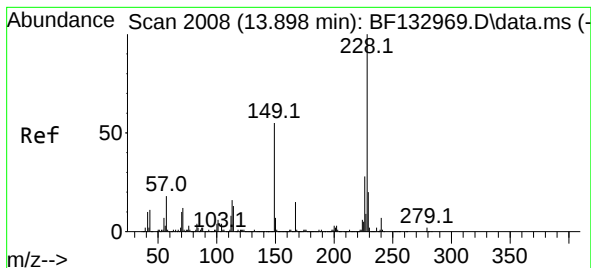
Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 14.8 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 5.160 ng

RT: 13.880 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

Instrument :

BNA_F

ClientSampleId :

SPC-3WC-23-04-17

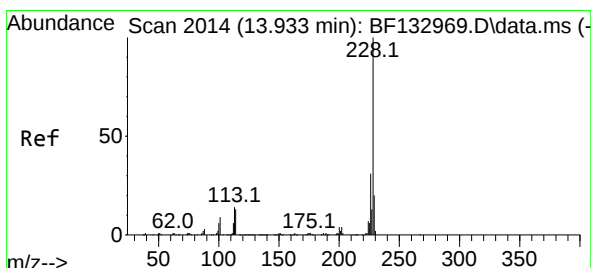
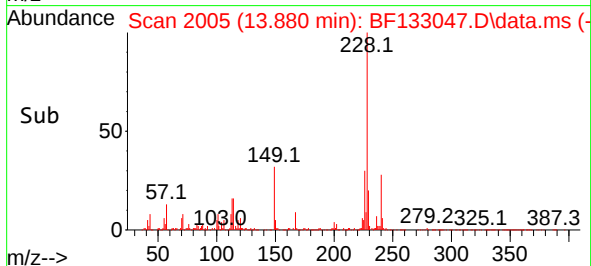
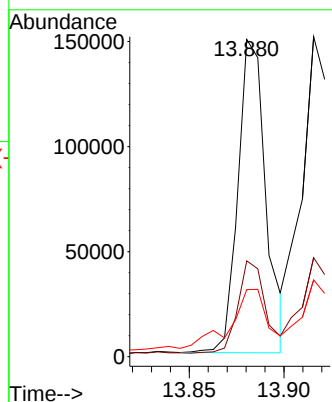
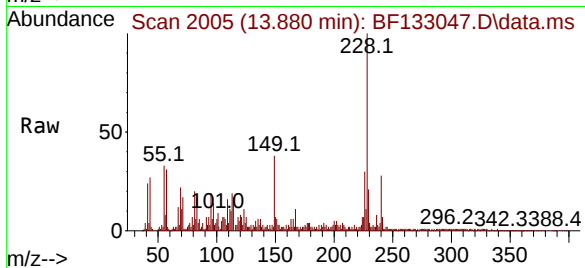
Tgt Ion:228 Resp: 153084

Ion Ratio Lower Upper

228 100

226 30.2 22.2 33.4

229 21.1 16.0 24.0



#83

Chrysene

Concen: 5.302 ng

RT: 13.916 min Scan# 2011

Delta R.T. -0.012 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

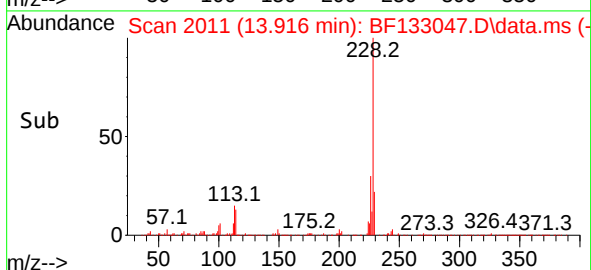
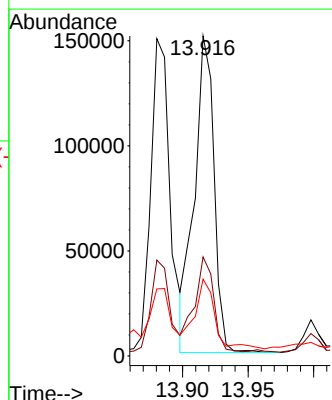
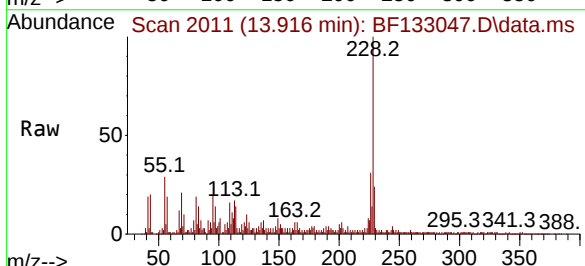
Tgt Ion:228 Resp: 157261

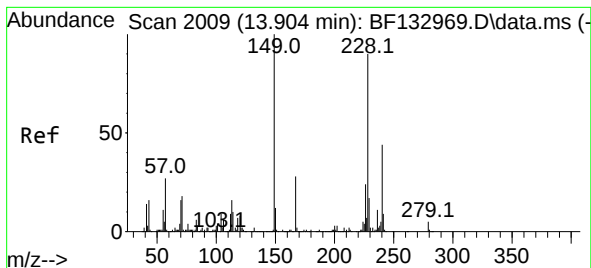
Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

229 24.0 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 9.152 ng

RT: 13.886 min Scan# 2009

Delta R.T. -0.006 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

Instrument :

BNA_F

ClientSampleId :

SPC-3WC-23-04-17

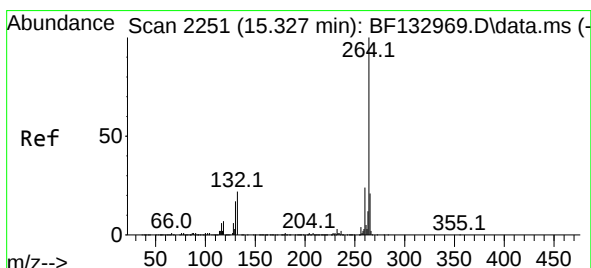
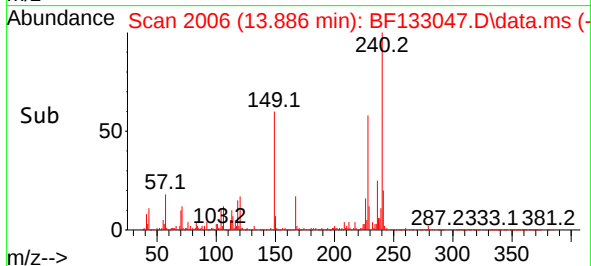
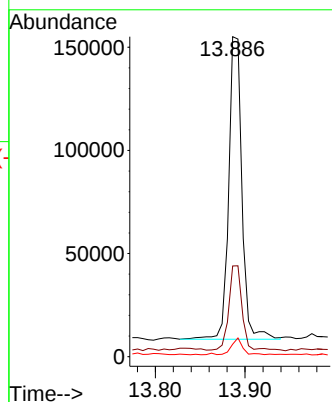
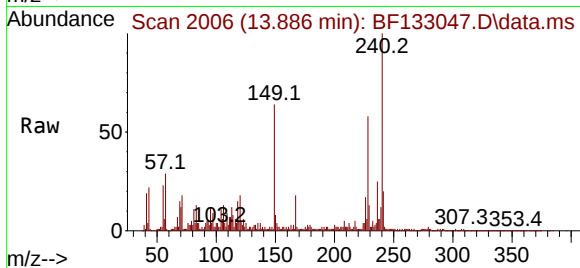
Tgt Ion:149 Resp: 150416

Ion Ratio Lower Upper

149 100

167 28.3 22.5 33.7

279 3.9 4.2 6.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.321 min Scan# 2250

Delta R.T. 0.006 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

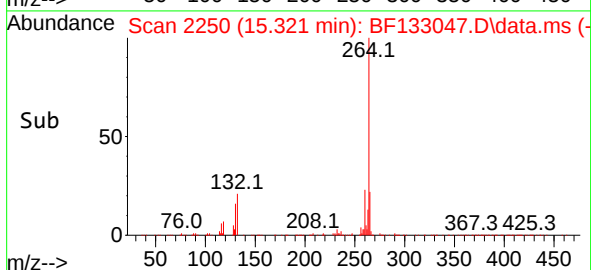
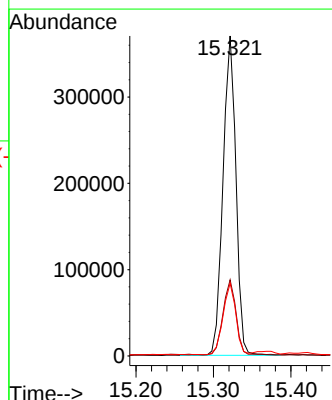
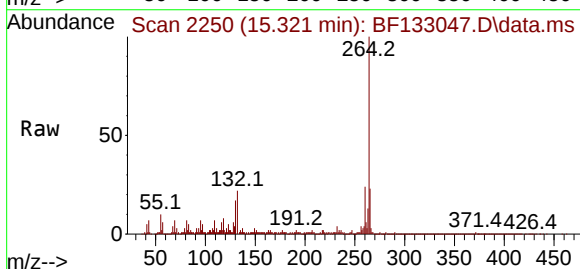
Tgt Ion:264 Resp: 429082

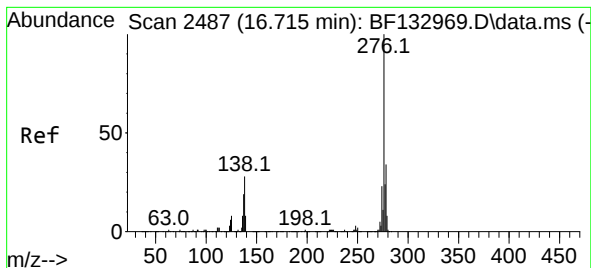
Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 22.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.393 ng

RT: 16.698 min Scan# 2487

Delta R.T. -0.006 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

Instrument :

BNA_F

ClientSampleId :

SPC-3WC-23-04-17

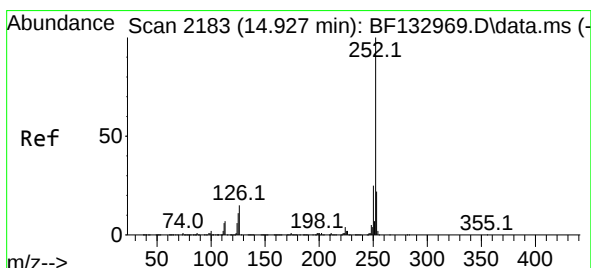
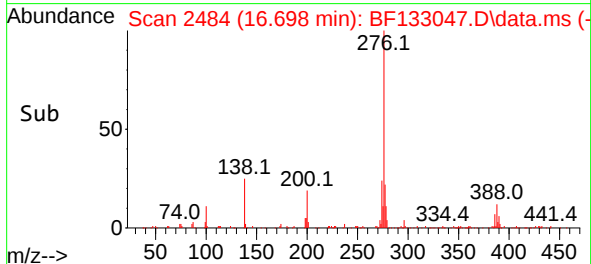
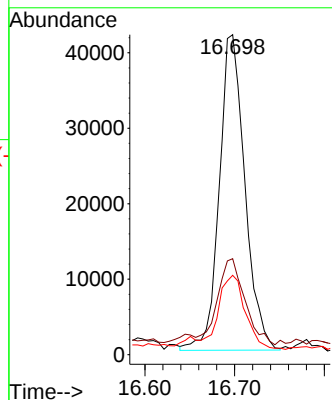
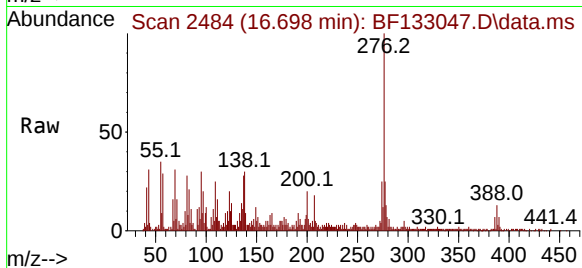
Tgt Ion:276 Resp: 82802

Ion Ratio Lower Upper

276 100

138 29.4 25.5 38.3

277 24.6 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 10.218 ng

RT: 14.916 min Scan# 2181

Delta R.T. 0.000 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

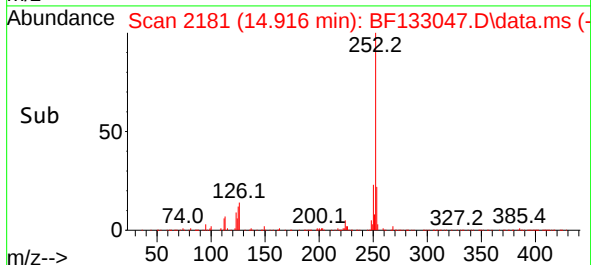
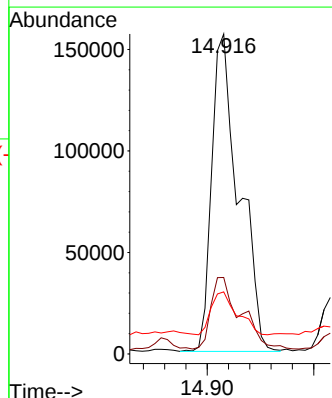
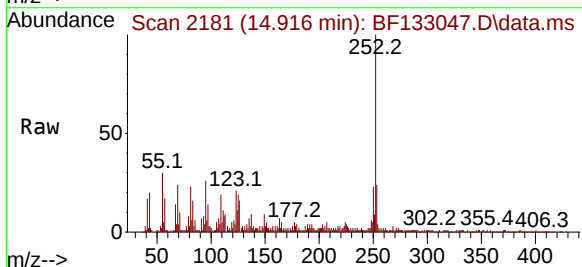
Tgt Ion:252 Resp: 278933

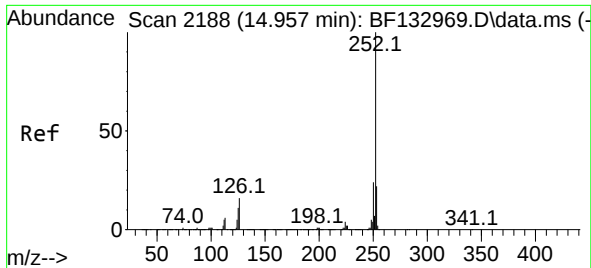
Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

125 19.4 8.9 13.3#

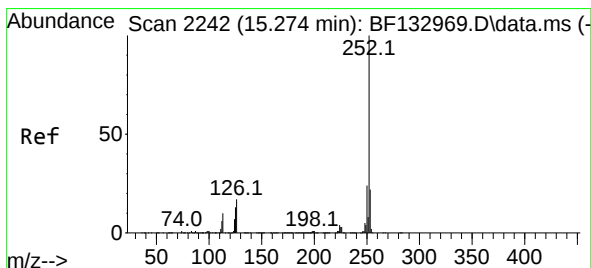
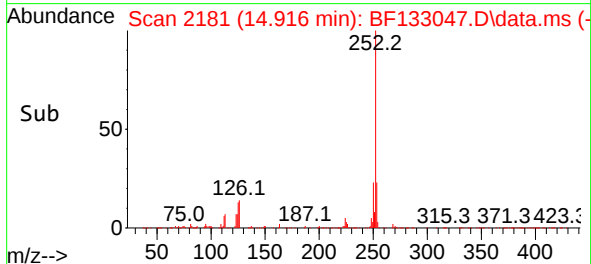
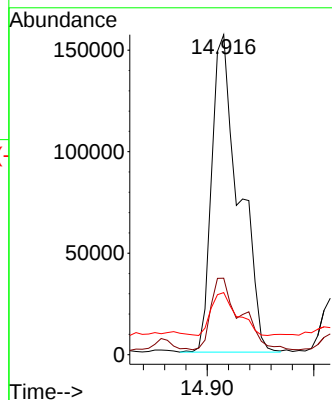
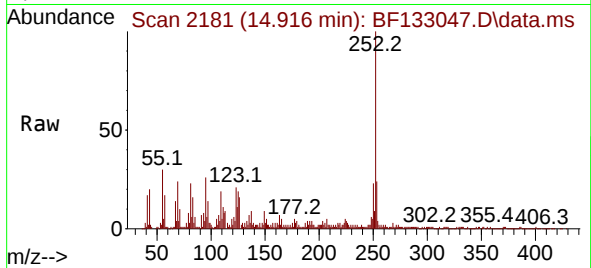




#89
Benzo(k)fluoranthene
Concen: 10.308 ng
RT: 14.916 min Scan# 2188
Delta R.T. -0.023 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

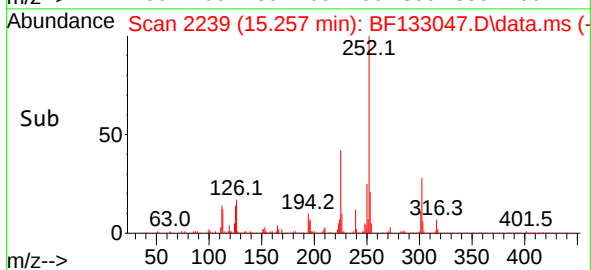
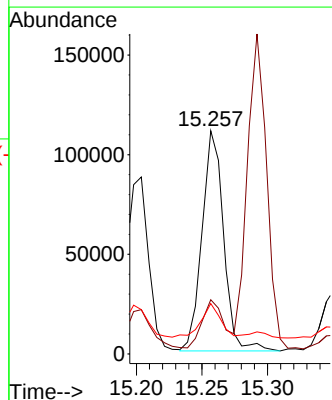
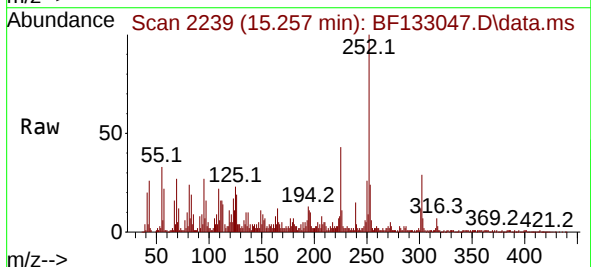
Instrument :
BNA_F
ClientSampleId :
SPC-3WC-23-04-17

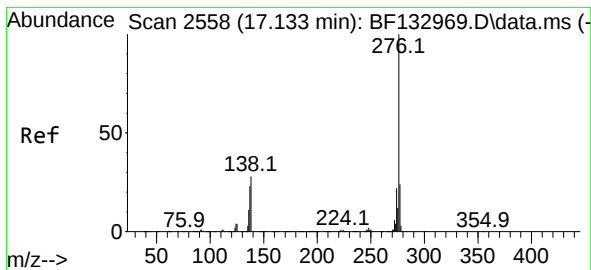
Tgt Ion:252 Resp: 278933
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 19.4 9.0 13.4#



#90
Benzo(a)pyrene
Concen: 5.112 ng
RT: 15.257 min Scan# 2239
Delta R.T. -0.006 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

Tgt Ion:252 Resp: 127013
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 22.6 10.5 15.7#





#92

Benzo(g,h,i)perylene

Concen: 3.879 ng

RT: 17.110 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133047.D

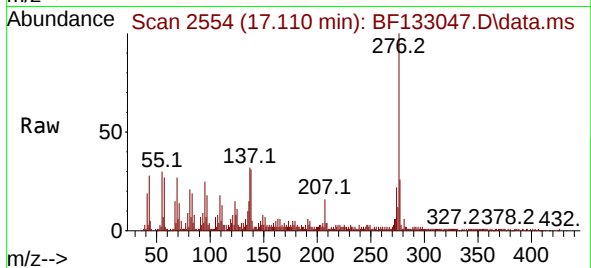
Acq: 26 Apr 2023 01:34

Instrument :

BNA_F

ClientSampleId :

SPC-3WC-23-04-17



Tgt Ion:276 Resp: 77954

Ion Ratio Lower Upper

276 100

277 26.1 19.4 29.0

138 31.2 22.7 34.1

