

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112618\
 Data File : BF110980.D
 Acq On : 26 Nov 2018 22:51
 Operator : JU/SJ
 Sample : J5774-04 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-112118-B

Quant Time: Nov 27 02:59:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 26 15:26:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	54204	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	200460	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	79344	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	143460	20.00	ng	0.00
76) Chrysene-d12	14.14	240	85814	20.00	ng	0.00
87) Perylene-d12	15.67	264	69861	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	185367	56.71	ng	0.00
7) Phenol-d6	6.56	99	224450	52.69	ng	0.00
23) Nitrobenzene-d5	7.50	82	126164	36.02	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	39315	49.89	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	205329	37.49	ng	0.00
79) Terphenyl-d14	13.06	244	172876	39.22	ng	0.00

Target Compounds

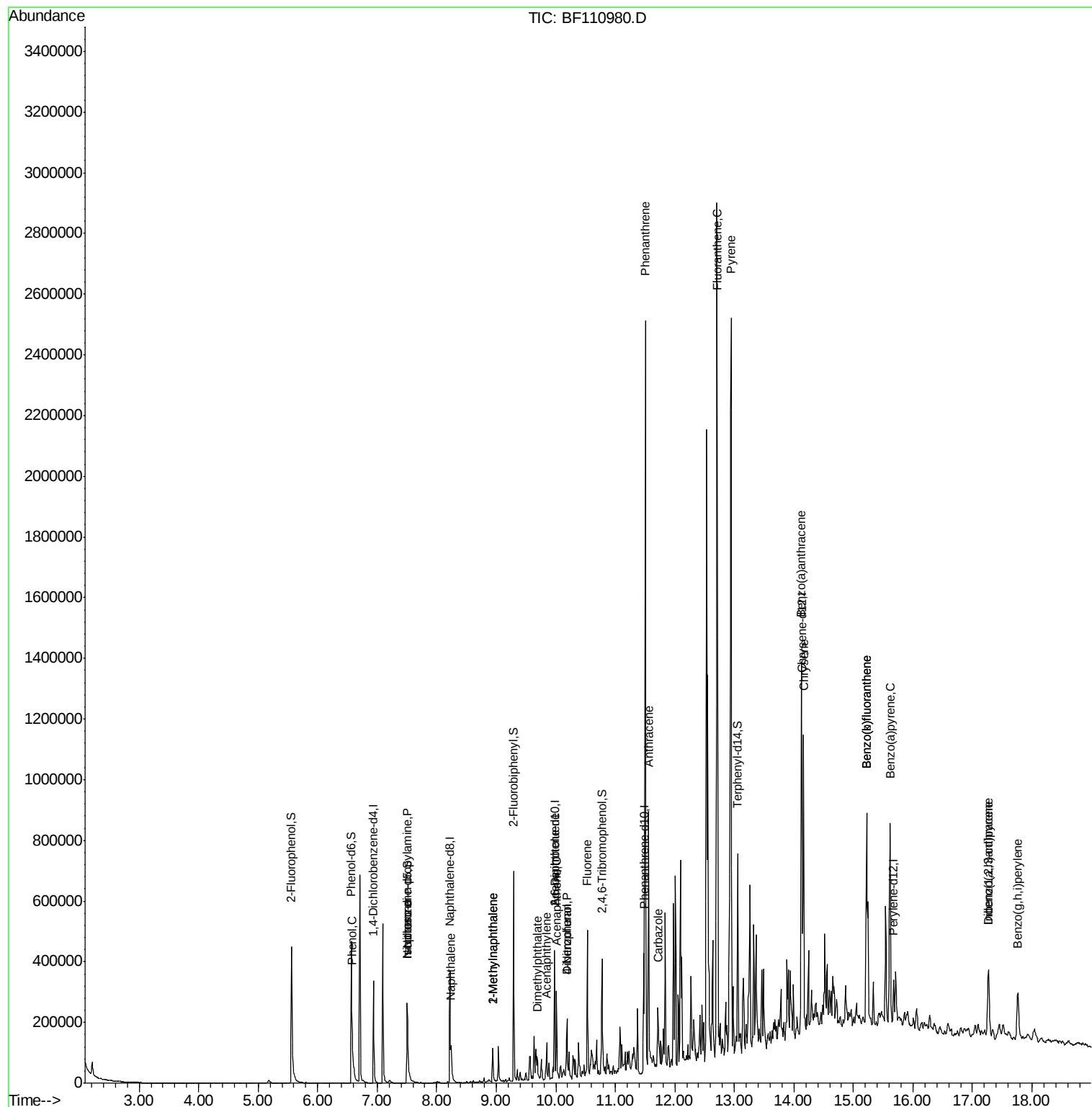
					Qvalue	
9) Benzaldehyde	6.56	77	358	Below Cal	#	1
10) Phenol	6.58	94	11937	2.488 ng		93
19) n-Nitroso-di-n-propylamine	7.50	70	16695	6.017 ng	#	78
25) Isophorone	7.50	82	126164	21.958 ng	#	67
31) Naphthalene	8.25	128	59562	6.339 ng		99
37) 2-Methylnaphthalene	8.94	142	39959	6.438 ng		100
38) 1-Methylnaphthalene	8.94	142	39959	6.619 ng		97
49) Acenaphthylene	9.85	152	49687	6.588 ng		99
50) Dimethylphthalate	9.69	163	27348	4.700 ng		97
51) 2,6-Dinitrotoluene	9.98	165	12513	9.659 ng	#	23
52) Acenaphthene	10.01	154	65088	13.462 ng		98
55) Dibenzofuran	10.19	168	72335	10.255 ng		99
56) 4-Nitrophenol	10.19	139	30250	38.368 ng	#	8
58) Fluorene	10.53	166	134856	24.574 ng		100
71) Phenanthrene	11.51	178	951427	125.220 ng		100
72) Anthracene	11.56	178	328384	42.439 ng		99
73) Carbazole	11.72	167	57002	7.590 ng		97
75) Fluoranthene	12.71	202	1205442	154.362 ng		99
78) Pyrene	12.95	202	1113853	177.715 ng		99
81) Benzo(a)anthracene	14.13	228	476175	93.988 ng		98
83) Chrysene	14.17	228	387105	77.617 ng		98
86) Indeno(1,2,3-cd)pyrene	17.27	276	152599	42.626 ng		96
88) Benzo(b)fluoranthene	15.22	252	521565	127.085 ng		98
89) Benzo(k)fluoranthene	15.22	252	521720	123.506 ng	#	97
90) Benzo(a)pyrene	15.62	252	302648	79.223 ng		100
91) Dibenzo(a,h)anthracene	17.27	278	38942	12.355 ng	#	89
92) Benzo(g,h,i)perylene	17.76	276	139524	45.910 ng		96

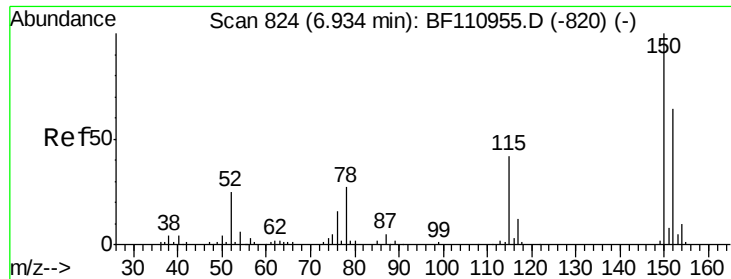
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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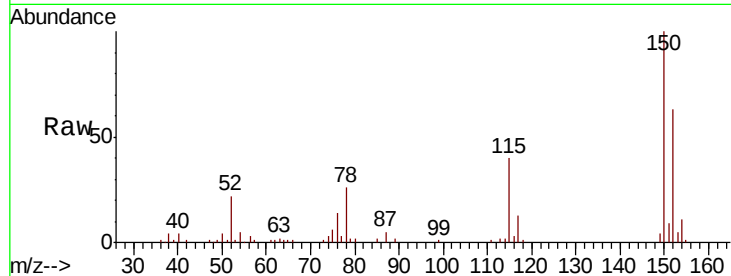




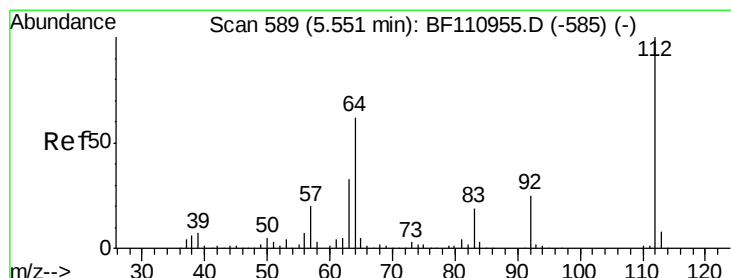
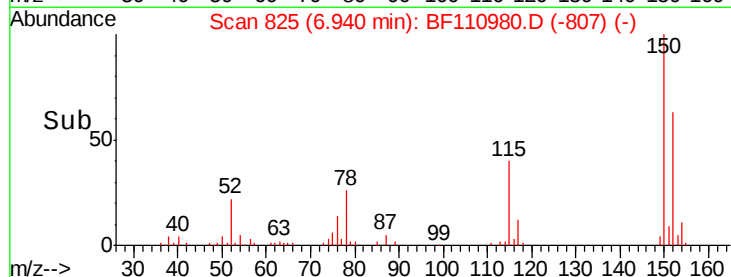
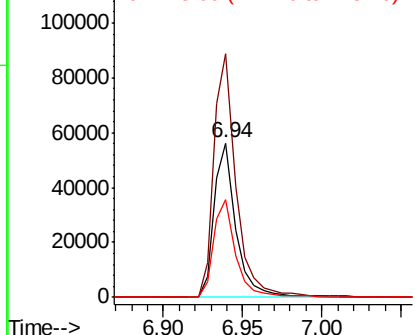
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BF110980.D
 Acq: 26 Nov 2018 22:51

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-112118-B

Tgt Ion:152 Resp: 54204
 Ion Ratio Lower Upper
 152 100
 150 157.8 122.7 184.1
 115 63.4 49.1 73.7

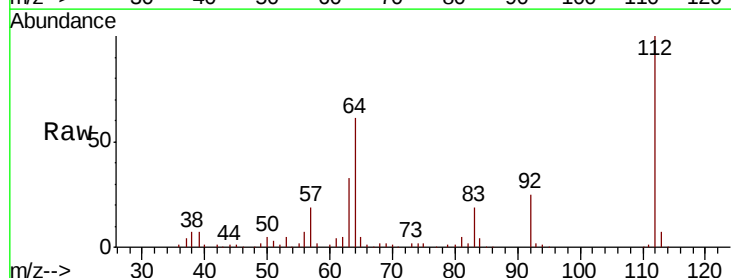


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

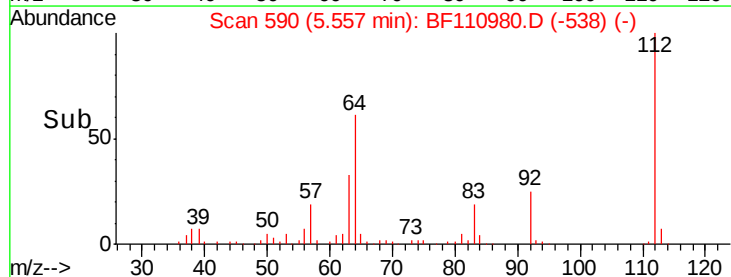
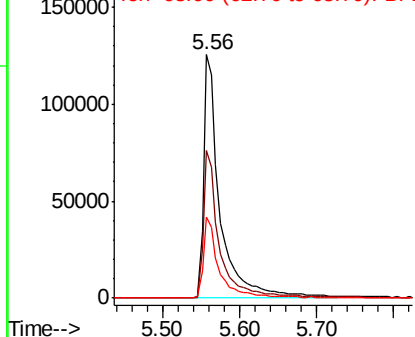


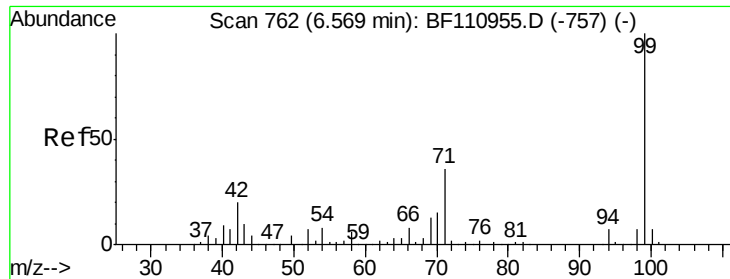
#5
 2-Fluorophenol
 Concen: 56.711 ng
 RT: 5.56 min Scan# 590
 Delta R.T. 0.01 min
 Lab File: BF110980.D
 Acq: 26 Nov 2018 22:51

Tgt Ion:112 Resp: 185367
 Ion Ratio Lower Upper
 112 100
 64 60.9 44.1 66.1
 63 33.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 52.693 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

Instrument :

BNA_F

ClientSampleId :

SU-03-112118-B

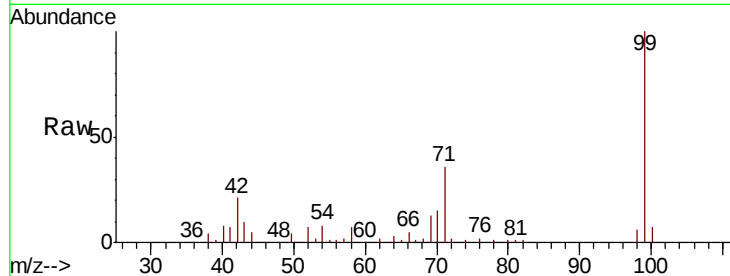
Tgt Ion: 99 Resp: 224450

Ion Ratio Lower Upper

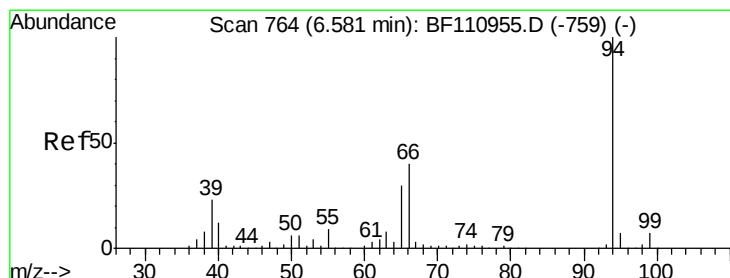
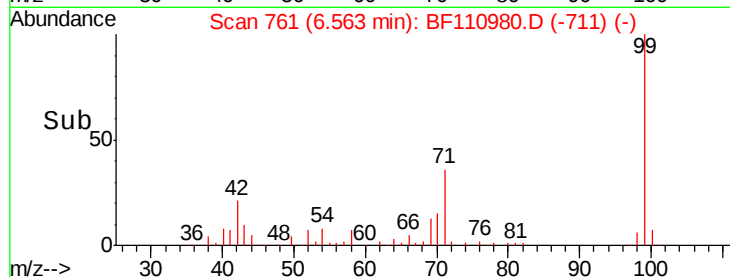
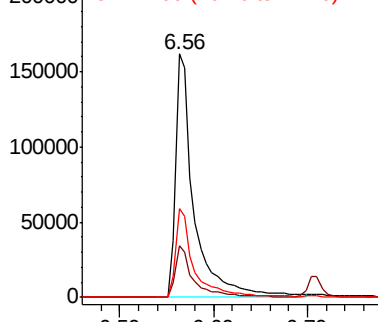
99 100

42 21.0 15.8 23.6

71 36.3 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.488 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

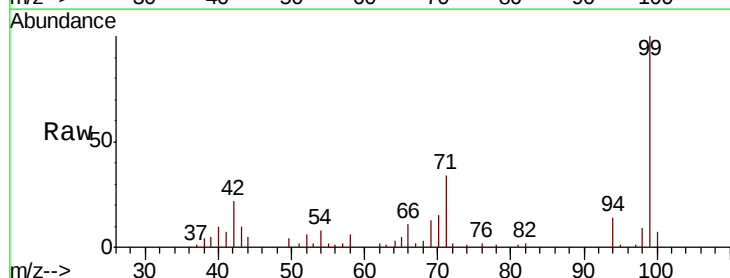
Tgt Ion: 94 Resp: 11937

Ion Ratio Lower Upper

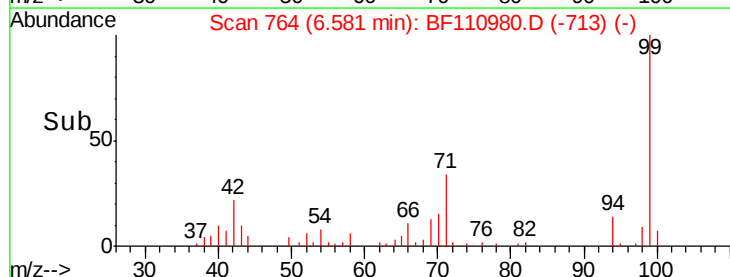
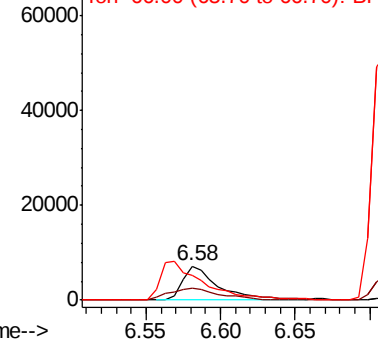
94 100

65 34.3 25.3 65.3

66 74.0 54.5 94.5



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

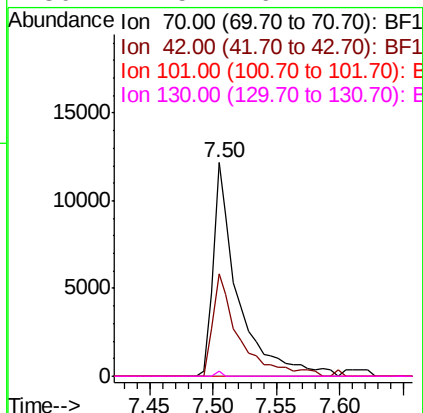
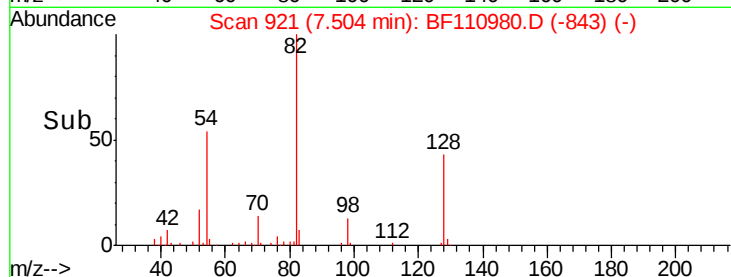
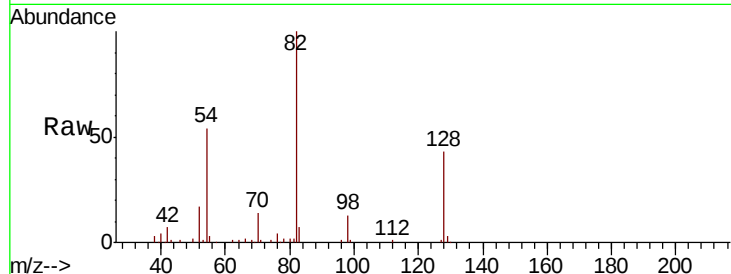




#19
n-Nitroso-di-n-propylamine
Concen: 6.017 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.16 min
Lab File: BF110980.D
Acq: 26 Nov 2018 22:51

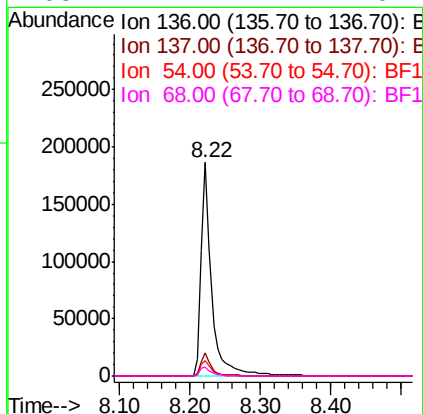
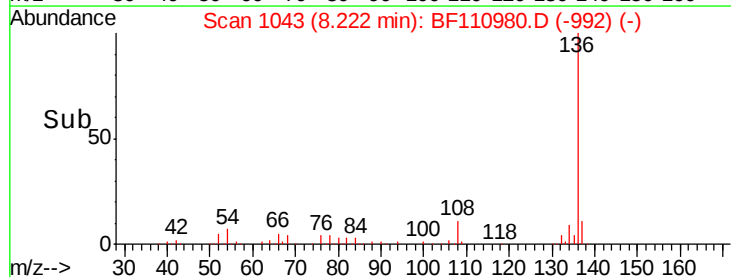
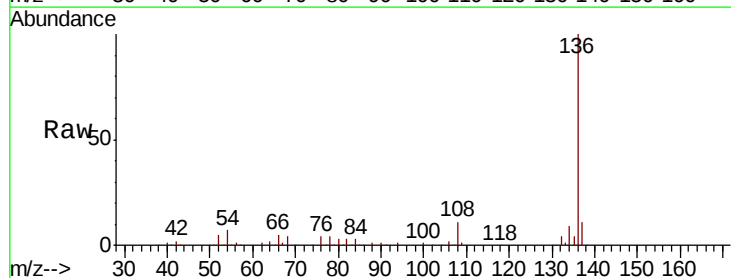
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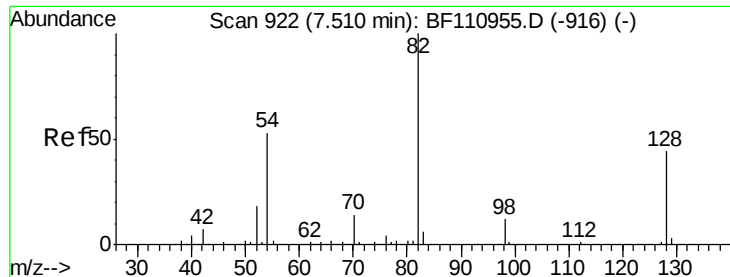
Tgt Ion: 70 Resp: 16695
Ion Ratio Lower Upper
70 100
42 47.7 47.4 71.2
101 0.0 7.3 10.9#
130 2.5 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF110980.D
Acq: 26 Nov 2018 22:51

Tgt Ion: 136 Resp: 200460
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.4 5.4 8.2
68 4.4 4.2 6.2

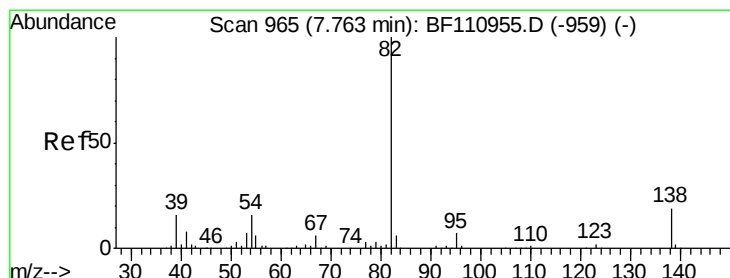
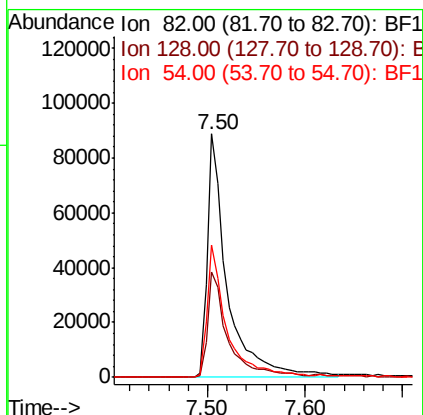
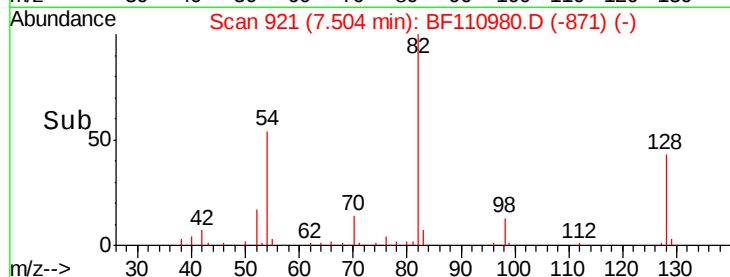
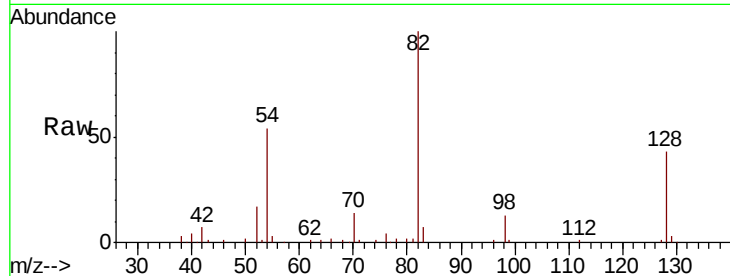




#23
Nitrobenzene-d5
Concen: 36.019 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110980.D
Acq: 26 Nov 2018 22:51

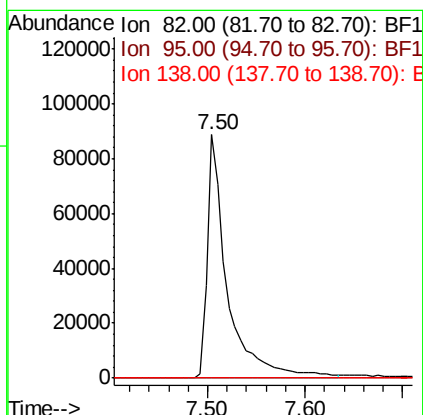
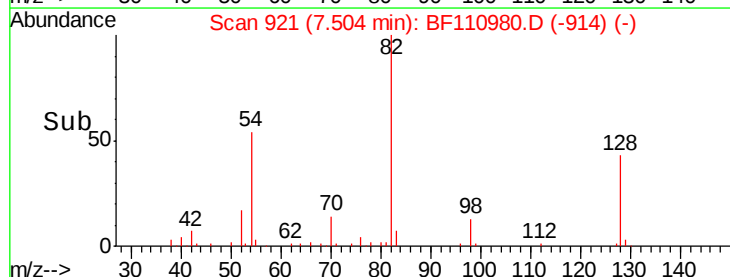
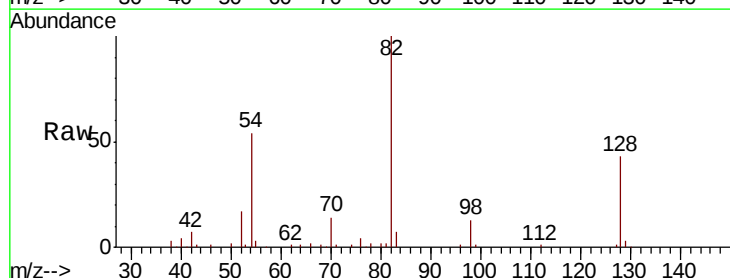
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ClientSampleId :
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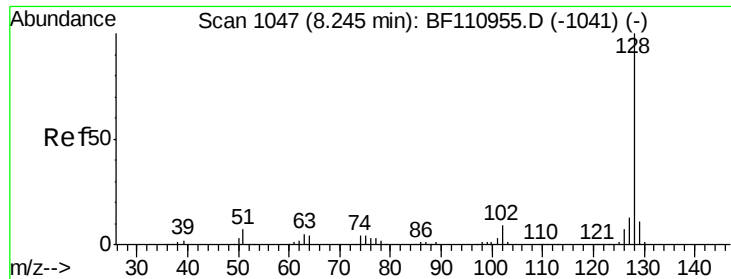
Tgt Ion: 82 Resp: 126164
Ion Ratio Lower Upper
82 100
128 43.4 34.2 51.2
54 54.1 38.6 58.0



#25
Isophorone
Concen: 21.958 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF110980.D
Acq: 26 Nov 2018 22:51

Tgt Ion: 82 Resp: 126164
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#

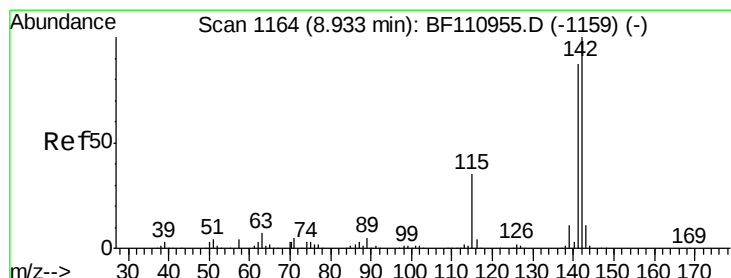
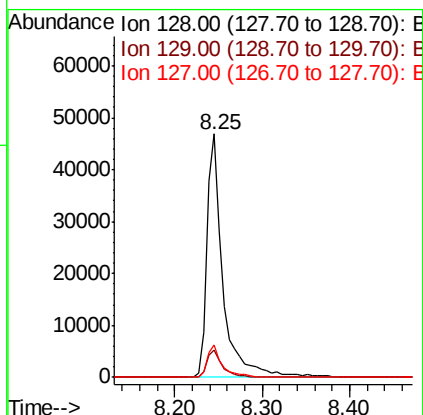
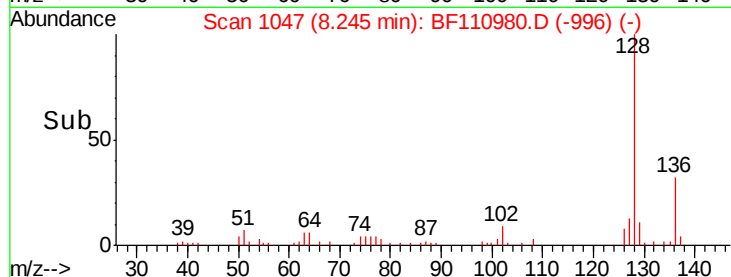
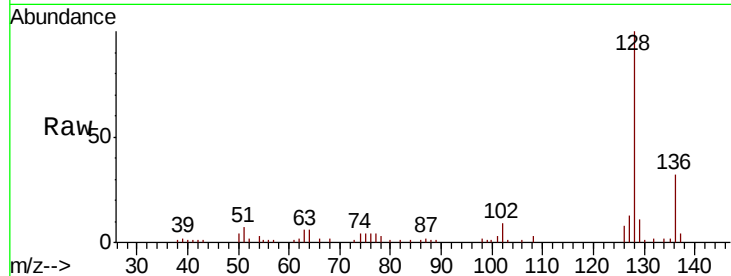




#31
Naphthalene
Concen: 6.339 ng
RT: 8.25 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BF110980.D
Acq: 26 Nov 2018 22:51

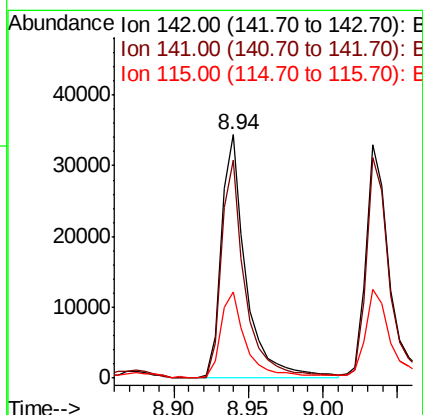
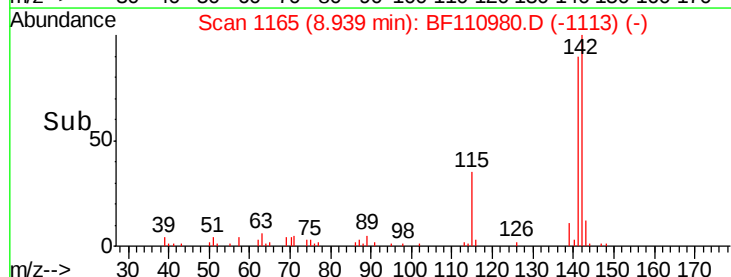
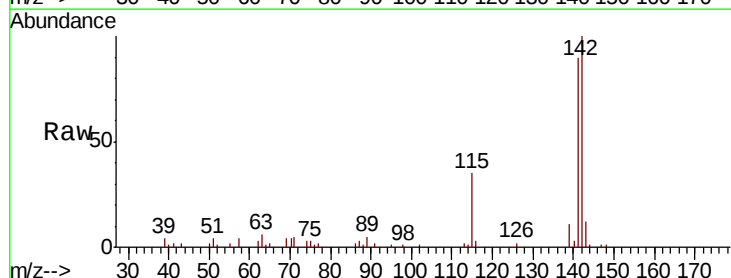
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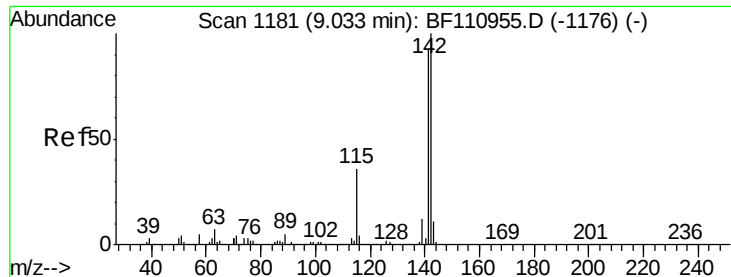
Tgt Ion:128 Resp: 59562
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.3 10.8 16.2



#37
2-Methylnaphthalene
Concen: 6.438 ng
RT: 8.94 min Scan# 1165
Delta R.T. 0.01 min
Lab File: BF110980.D
Acq: 26 Nov 2018 22:51

Tgt Ion:142 Resp: 39959
Ion Ratio Lower Upper
142 100
141 89.6 71.4 107.2
115 35.4 28.7 43.1

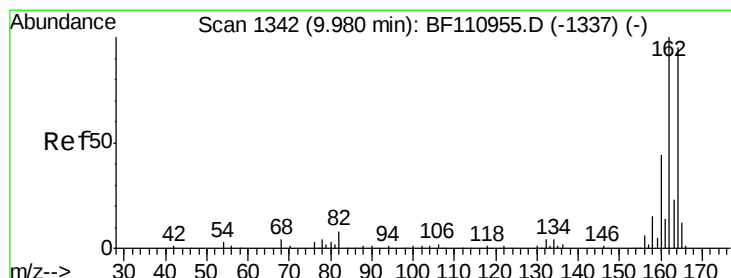
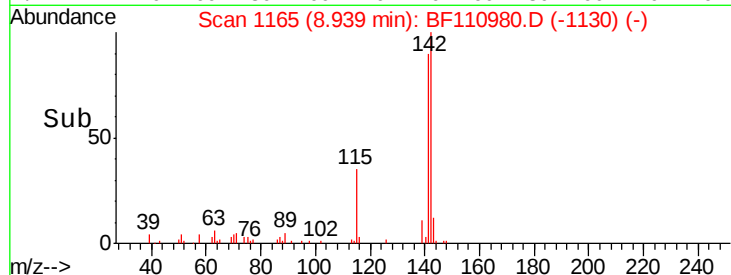
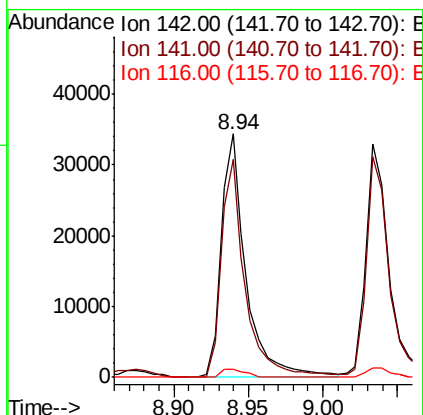
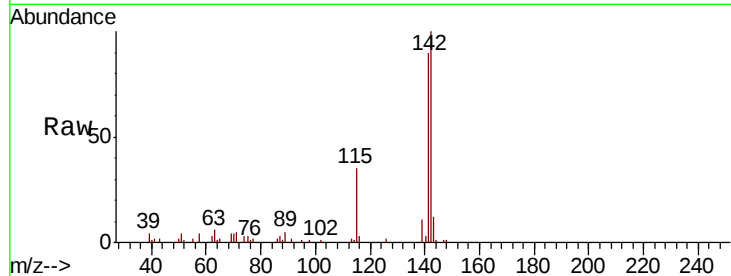




#38
1-Methylnaphthalene
Concen: 6.619 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.09 min
Lab File: BF110980.D
Acq: 26 Nov 2018 22:51

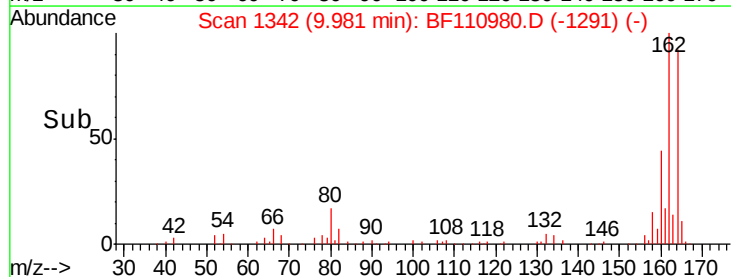
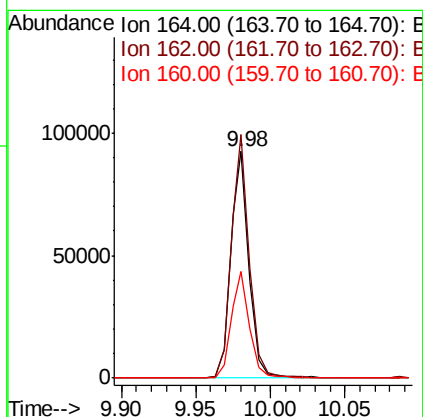
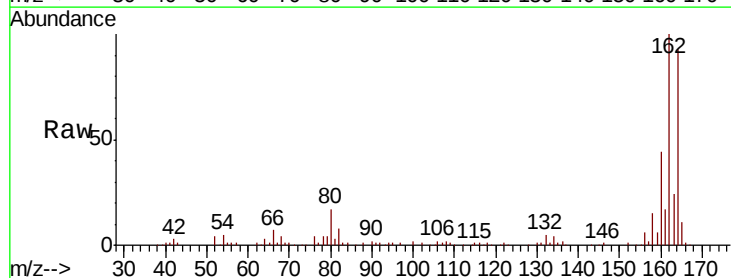
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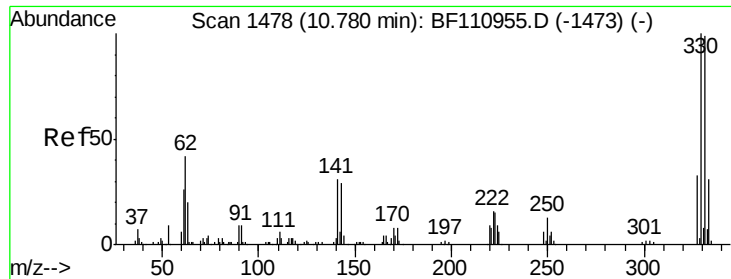
Tgt Ion:142 Resp: 39959
Ion Ratio Lower Upper
142 100
141 89.6 74.2 111.4
116 3.4 2.6 4.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF110980.D
Acq: 26 Nov 2018 22:51

Tgt Ion:164 Resp: 79344
Ion Ratio Lower Upper
164 100
162 107.5 83.0 124.6
160 47.2 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 49.893 ng

RT: 10.78 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

Instrument :

BNA_F

ClientSampleId :

SU-03-112118-B

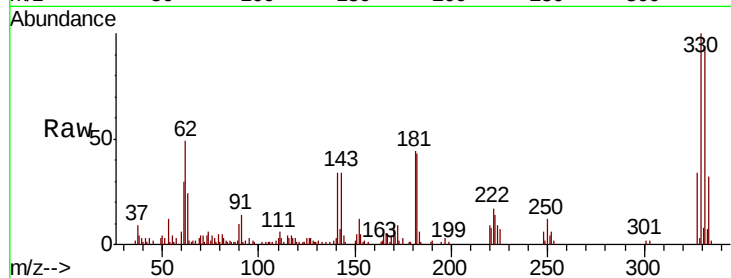
Tgt Ion:330 Resp: 39315

Ion Ratio Lower Upper

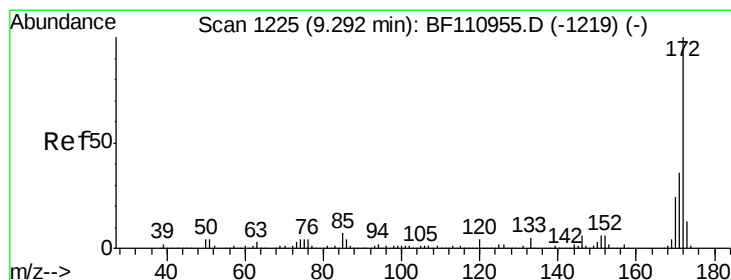
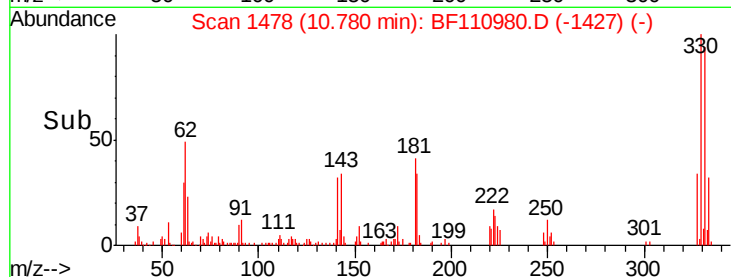
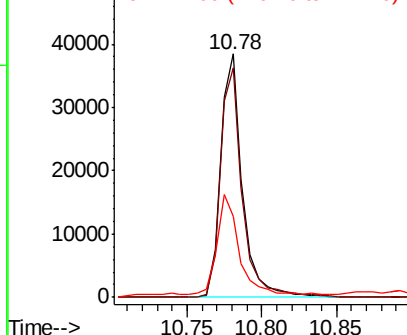
330 100

332 95.6 77.1 115.7

141 41.3 27.0 40.4#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 37.492 ng

RT: 9.29 min Scan# 1225

Delta R.T. 0.00 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

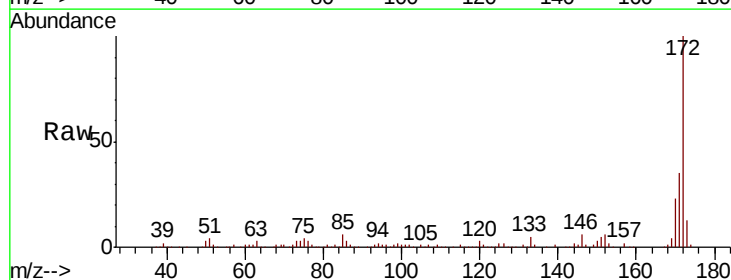
Tgt Ion:172 Resp: 205329

Ion Ratio Lower Upper

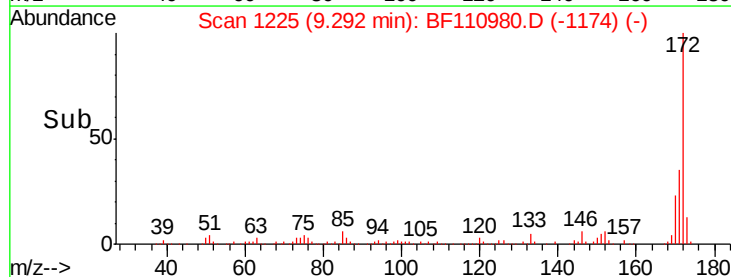
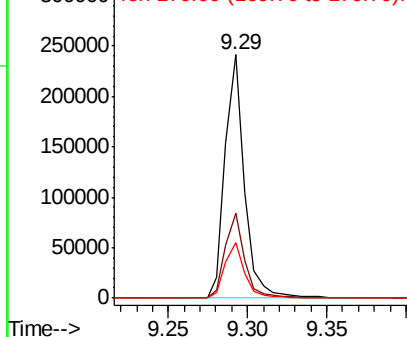
172 100

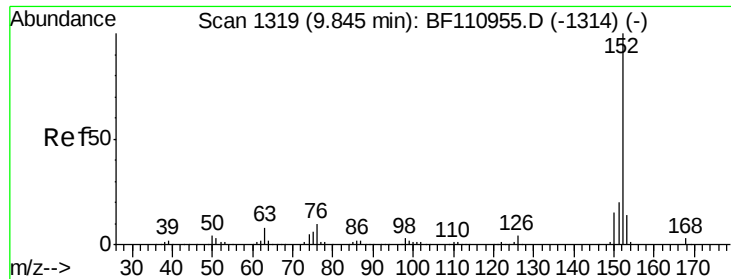
171 34.9 28.6 43.0

170 22.9 19.7 29.5



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 6.588 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

Instrument :

BNA_F

ClientSampleId :

SU-03-112118-B

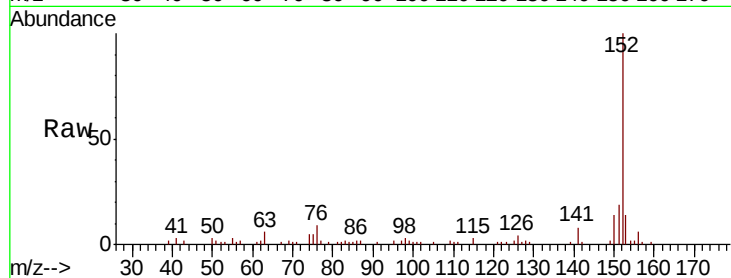
Tgt Ion:152 Resp: 49687

Ion Ratio Lower Upper

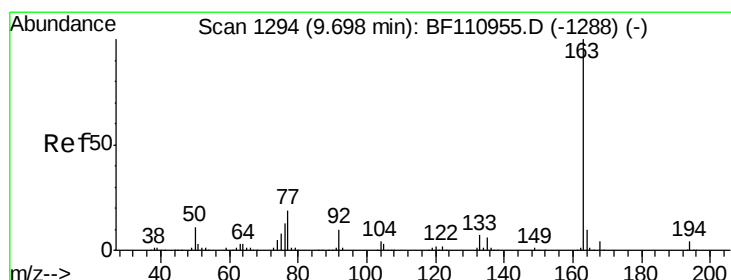
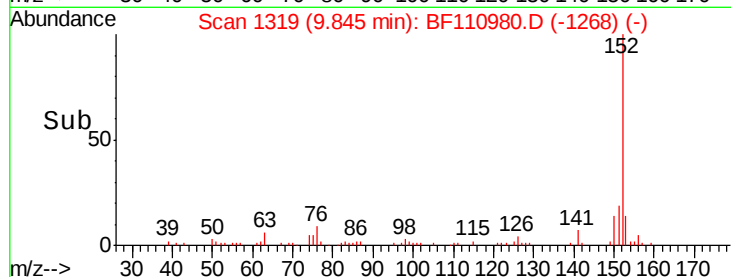
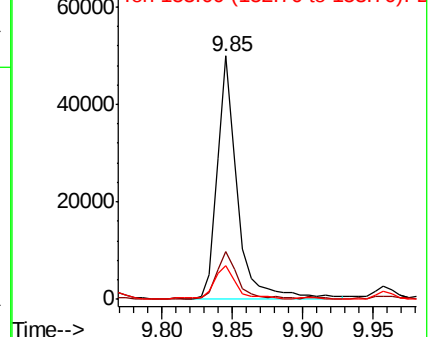
152 100

151 19.4 15.8 23.8

153 13.7 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.700 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

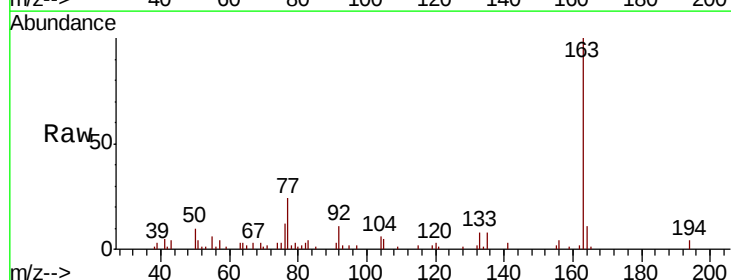
Tgt Ion:163 Resp: 27348

Ion Ratio Lower Upper

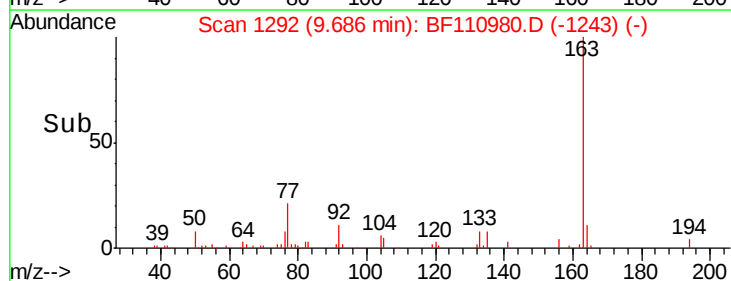
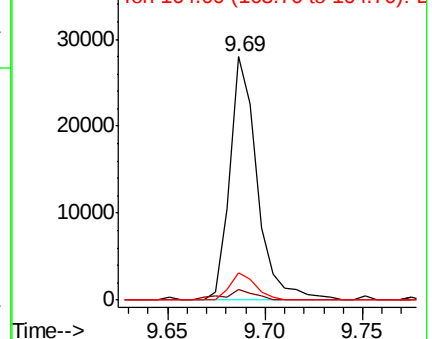
163 100

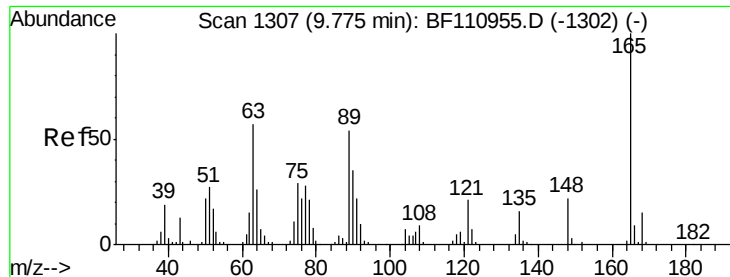
194 4.4 3.2 4.8

164 11.4 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 9.659 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.21 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

Instrument :

BNA_F

ClientSampleId :

SU-03-112118-B

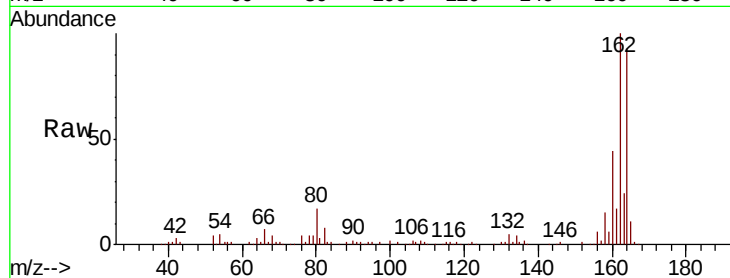
Tgt Ion:165 Resp: 12513

Ion Ratio Lower Upper

165 100

63 2.9 48.9 73.3#

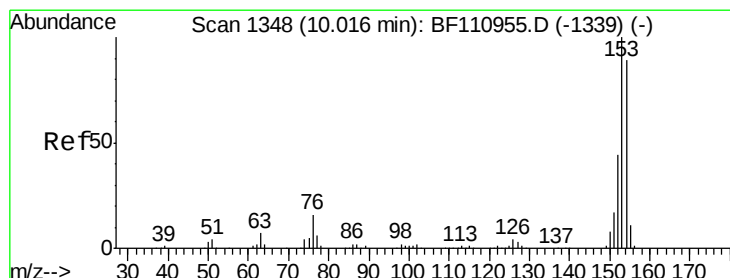
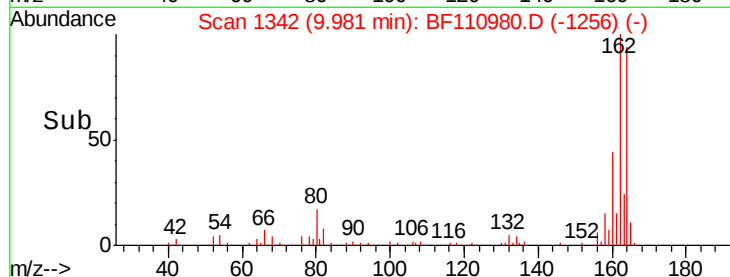
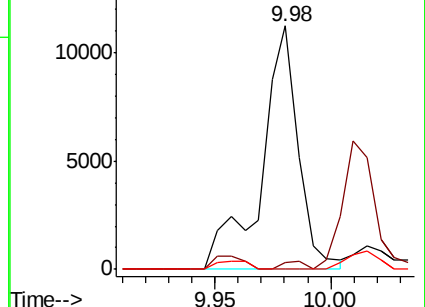
89 0.0 46.6 69.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 13.462 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

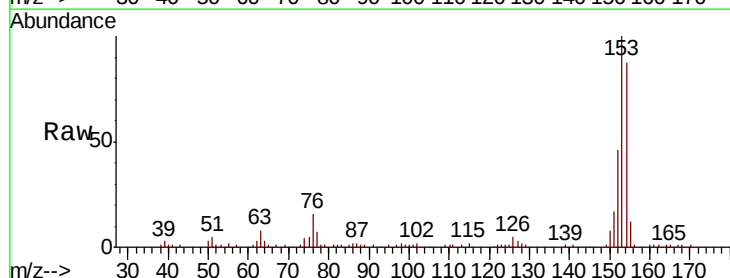
Tgt Ion:154 Resp: 65088

Ion Ratio Lower Upper

154 100

153 114.4 90.1 135.1

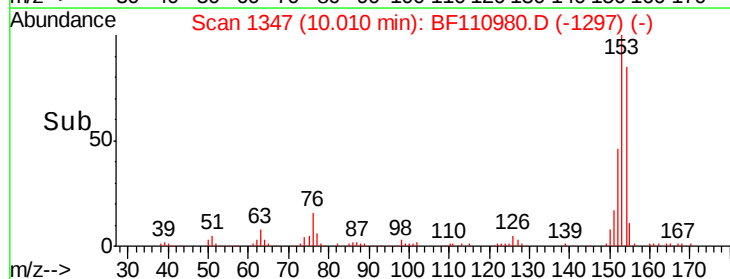
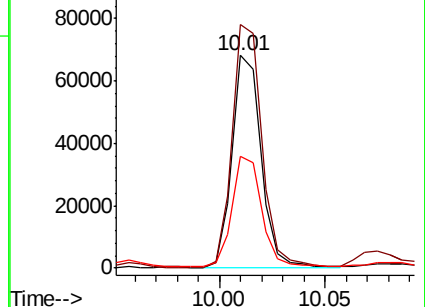
152 52.8 43.4 65.2

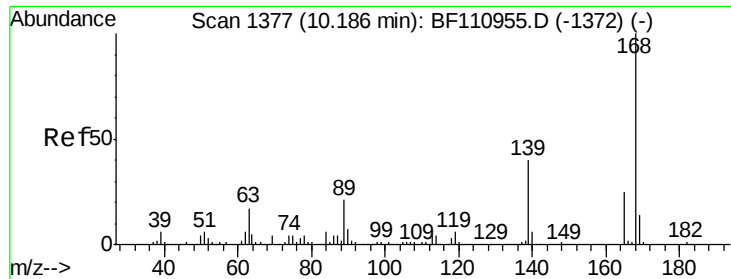


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 10.255 ng

RT: 10.19 min Scan# 1377

Delta R.T. 0.00 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

Instrument :

BNA_F

ClientSampleId :

SU-03-112118-B

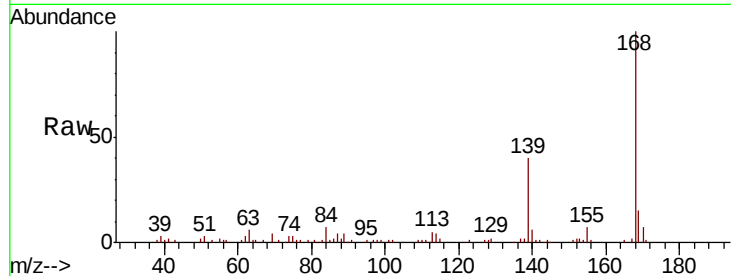
Tgt Ion:168 Resp: 72335

Ion Ratio Lower Upper

168 100

139 40.4 33.0 49.6

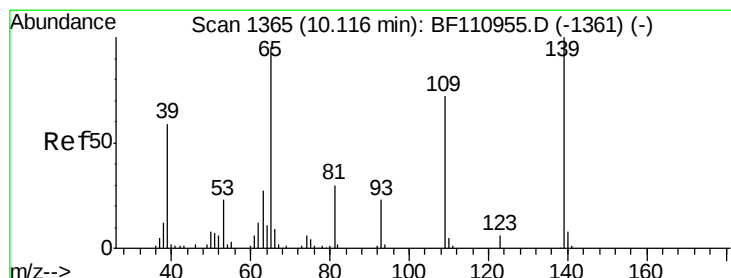
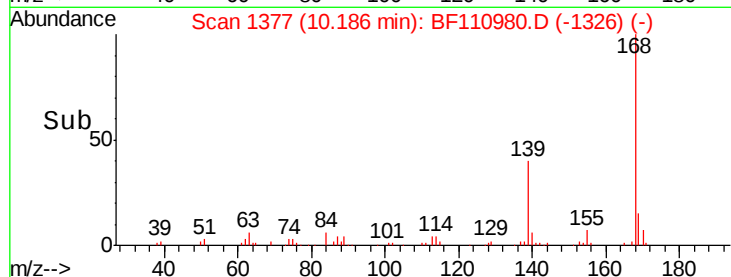
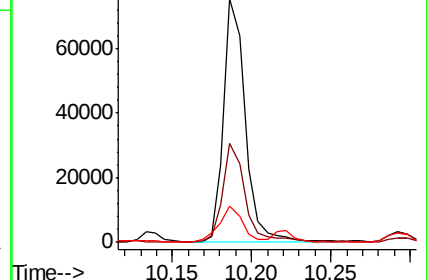
169 14.8 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 38.368 ng

RT: 10.19 min Scan# 1377

Delta R.T. 0.07 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

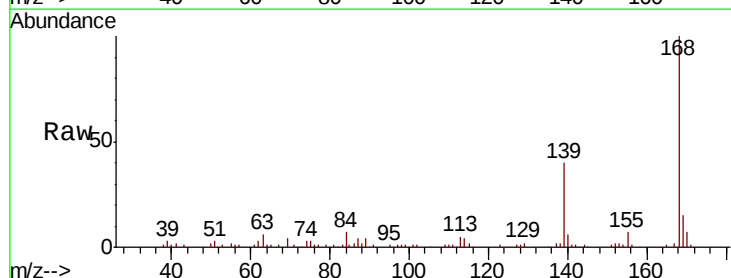
Tgt Ion:139 Resp: 30250

Ion Ratio Lower Upper

139 100

109 2.5 55.8 95.8#

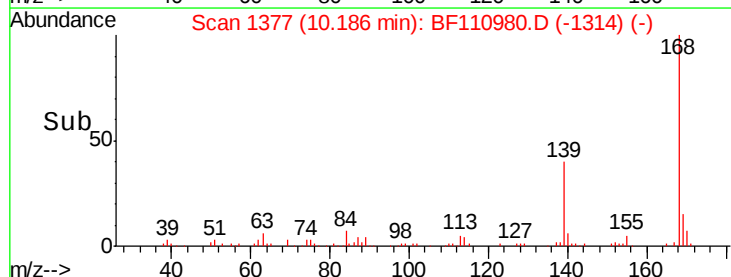
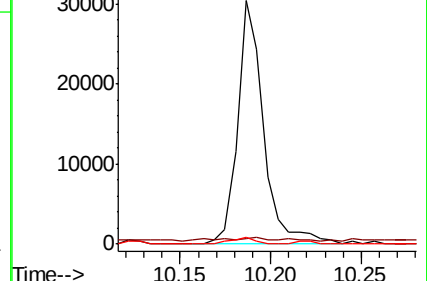
65 2.7 77.9 117.9#

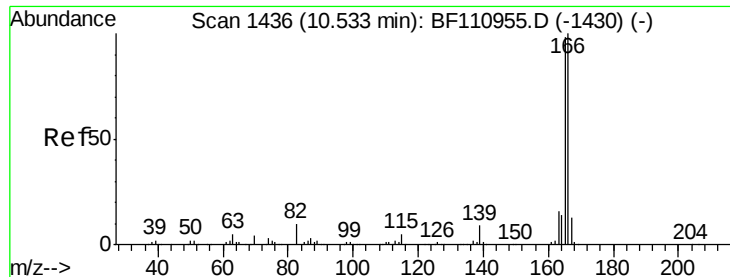


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#58

Fluorene

Concen: 24.574 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

Instrument :

BNA_F

ClientSampleId :

SU-03-112118-B

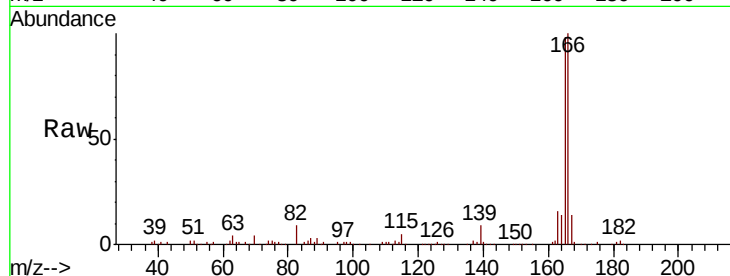
Tgt Ion:166 Resp: 134856

Ion Ratio Lower Upper

166 100

165 98.3 78.6 117.8

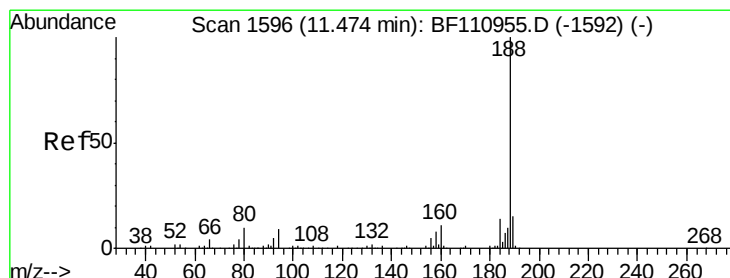
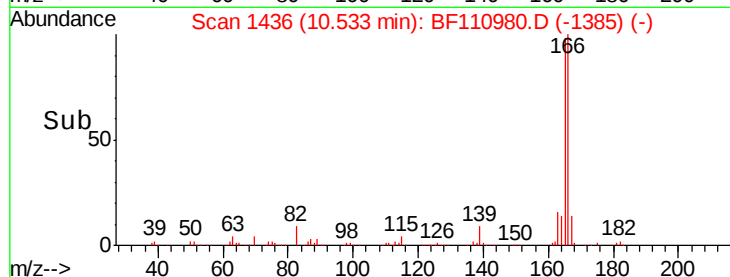
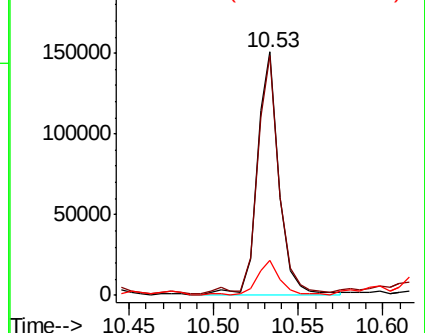
167 14.1 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

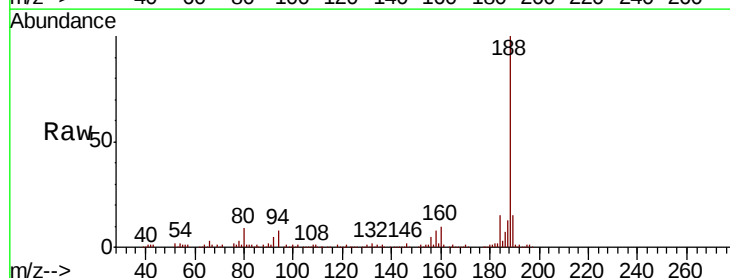
Tgt Ion:188 Resp: 143460

Ion Ratio Lower Upper

188 100

94 8.3 7.2 10.8

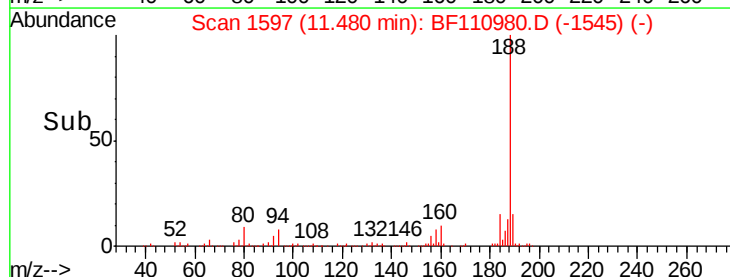
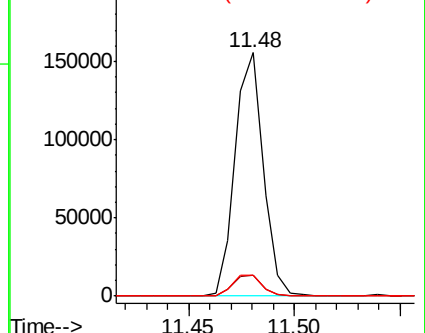
80 8.7 7.9 11.9

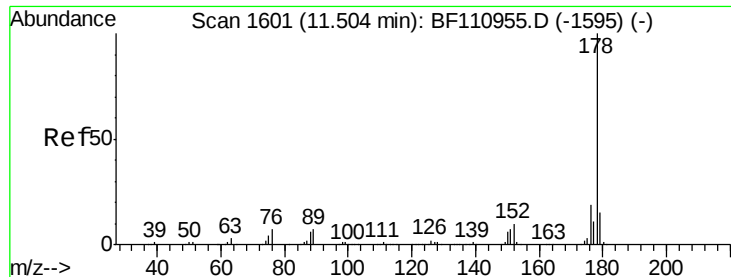


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

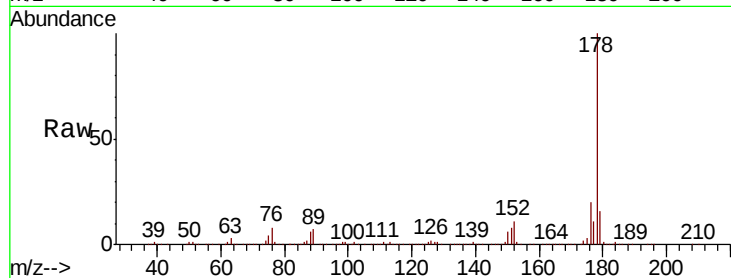




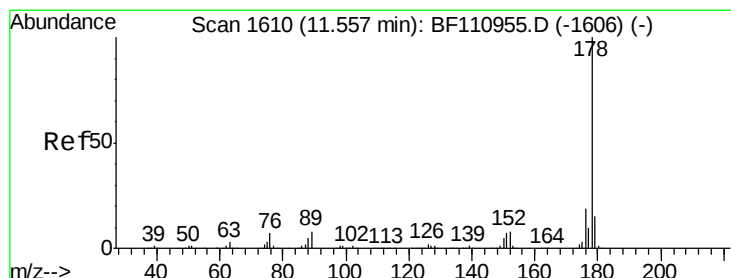
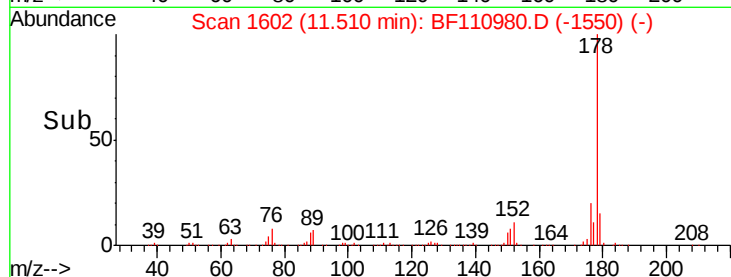
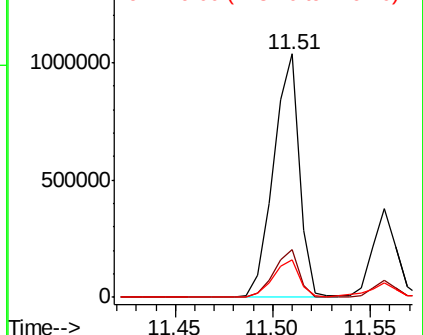
#71
Phenanthrene
Concen: 125.220 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.01 min
Lab File: BF110980.D
Acq: 26 Nov 2018 22:51

Instrument :
BNA_F
ClientSampleId :
SU-03-112118-B

Tgt Ion:178 Resp: 951427
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.5 12.5 18.7

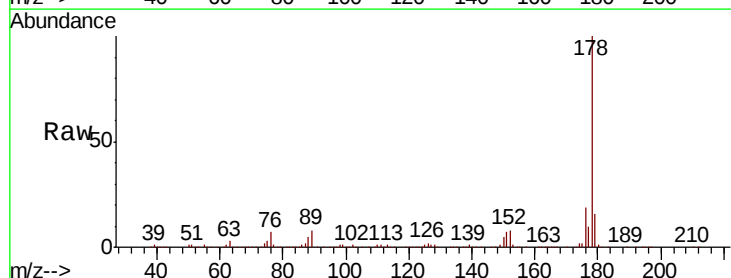


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

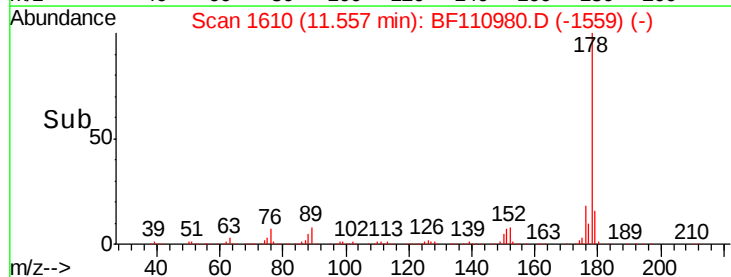
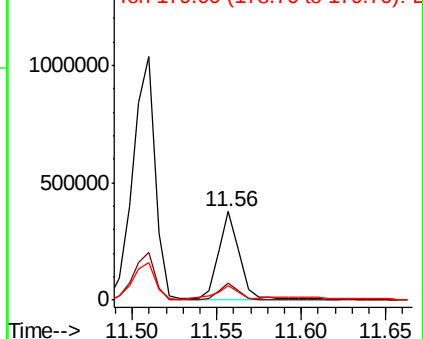


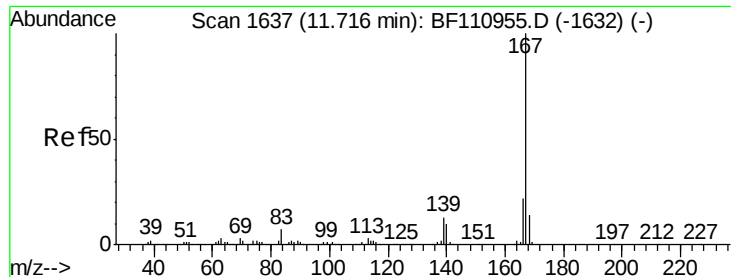
#72
Anthracene
Concen: 42.439 ng
RT: 11.56 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF110980.D
Acq: 26 Nov 2018 22:51

Tgt Ion:178 Resp: 328384
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 15.8 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 7.590 ng

RT: 11.72 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

Instrument :

BNA_F

ClientSampleId :

SU-03-112118-B

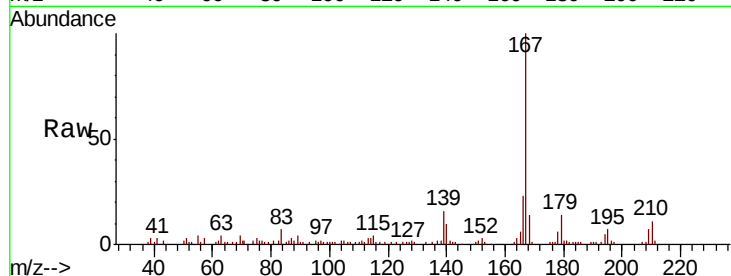
Tgt Ion:167 Resp: 57002

Ion Ratio Lower Upper

167 100

166 22.9 17.4 26.0

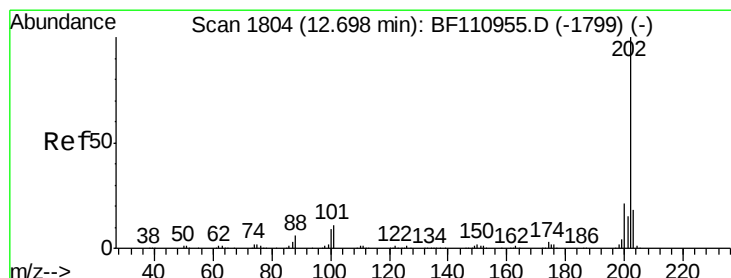
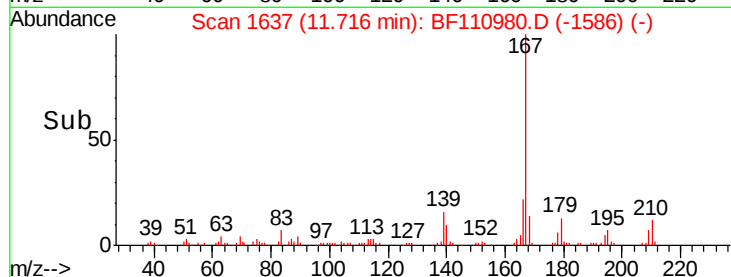
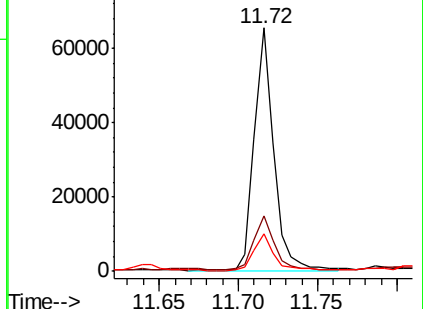
139 15.5 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 154.362 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.01 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

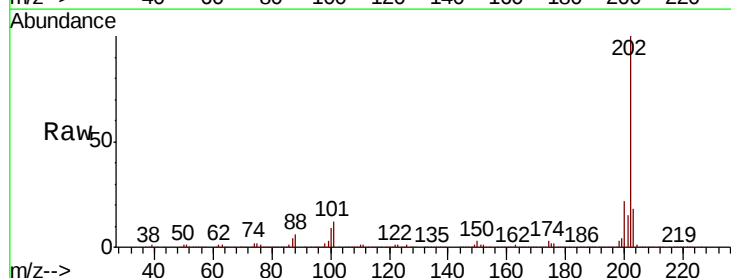
Tgt Ion:202 Resp: 1205442

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.4

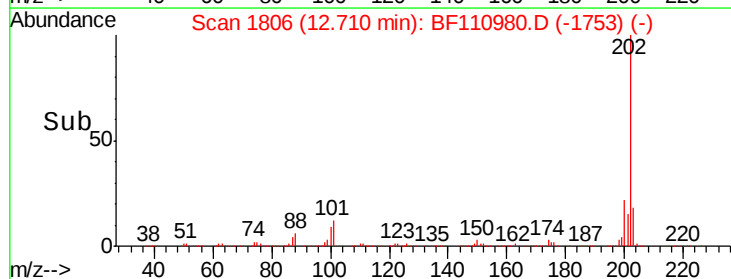
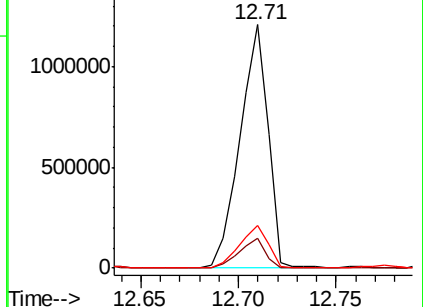
203 17.6 0.0 37.7

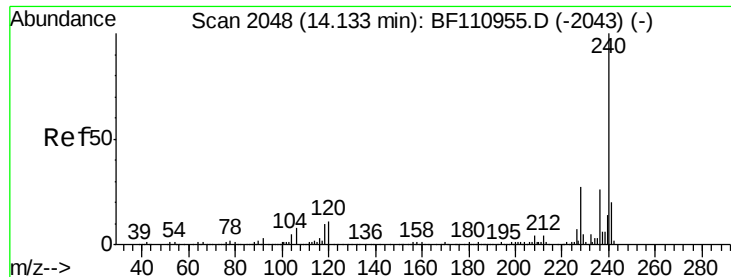


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

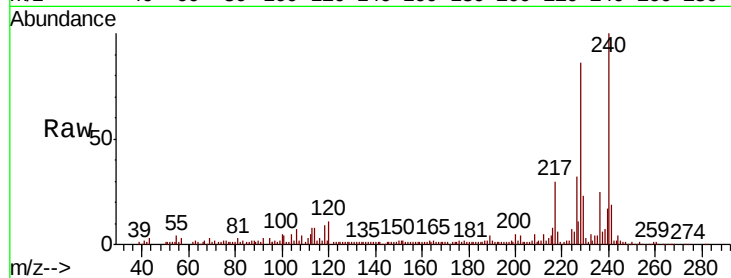




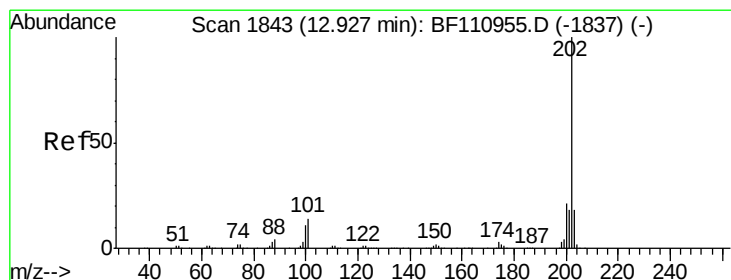
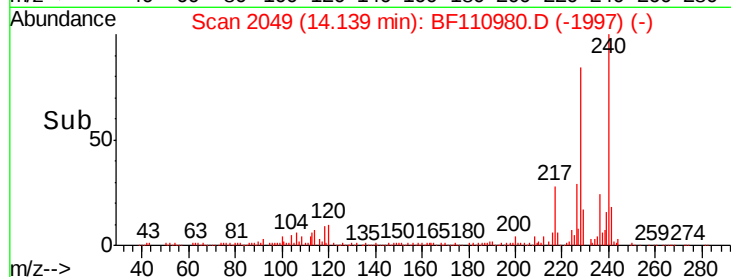
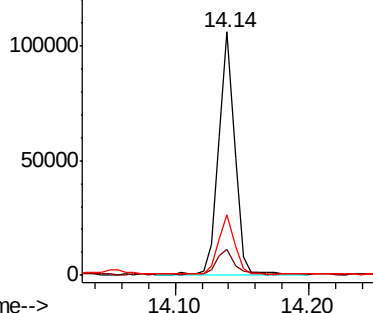
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.01 min
Lab File: BF110980.D
Acq: 26 Nov 2018 22:51

Instrument :
BNA_F
ClientSampleId :
SU-03-112118-B

Tgt Ion:240 Resp: 85814
Ion Ratio Lower Upper
240 100
120 10.7 8.3 12.5
236 25.0 21.2 31.8

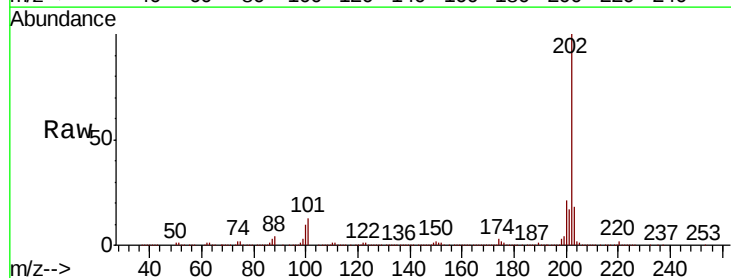


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

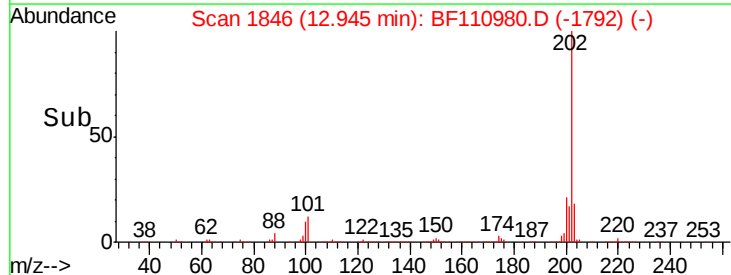
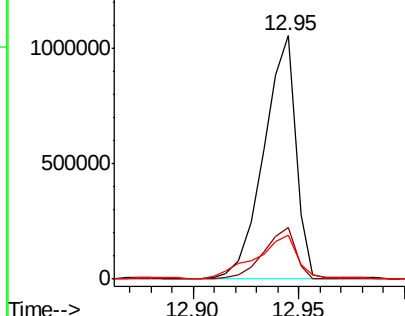


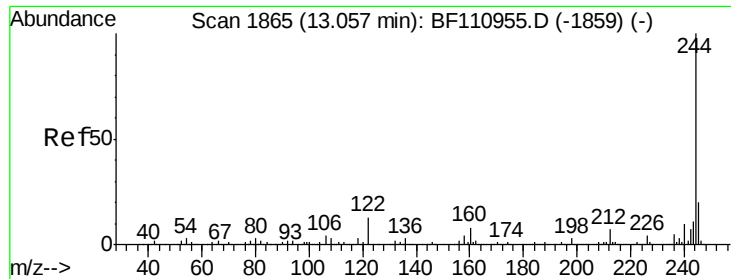
#78
Pyrene
Concen: 177.715 ng
RT: 12.95 min Scan# 1846
Delta R.T. 0.02 min
Lab File: BF110980.D
Acq: 26 Nov 2018 22:51

Tgt Ion:202 Resp: 1113853
Ion Ratio Lower Upper
202 100
200 21.3 17.8 26.6
203 18.2 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 39.216 ng

RT: 13.06 min Scan# 1865

Delta R.T. 0.00 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

Instrument :

BNA_F

ClientSampleId :

SU-03-112118-B

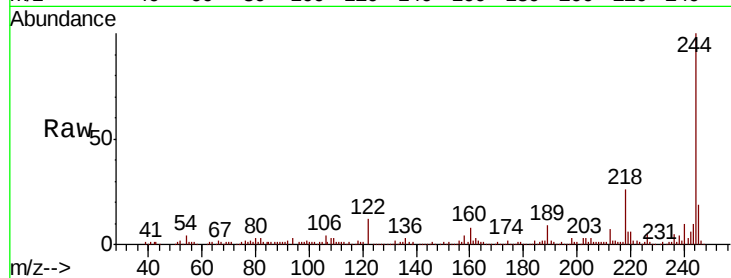
Tgt Ion:244 Resp: 172876

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

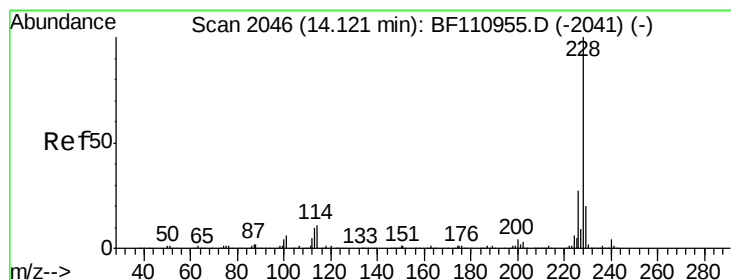
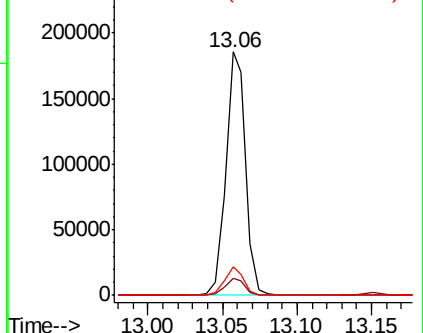
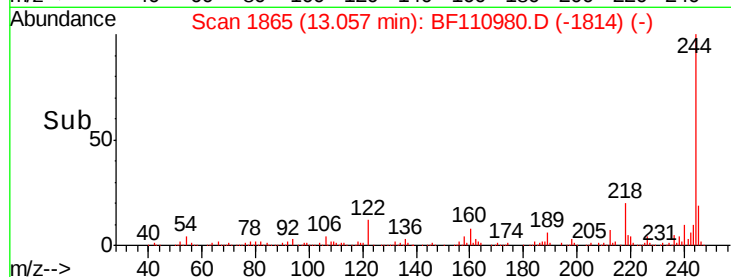
122 11.8 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 93.988 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.01 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

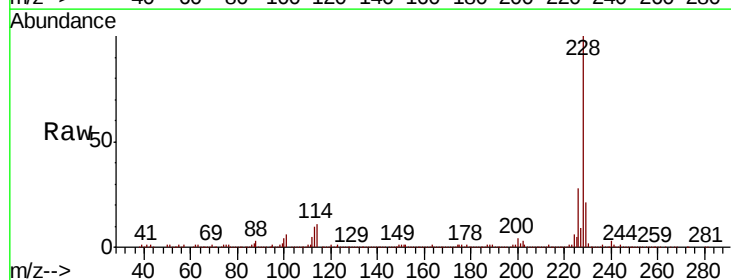
Tgt Ion:228 Resp: 476175

Ion Ratio Lower Upper

228 100

226 28.0 22.1 33.1

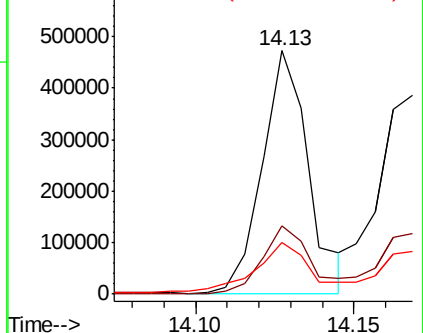
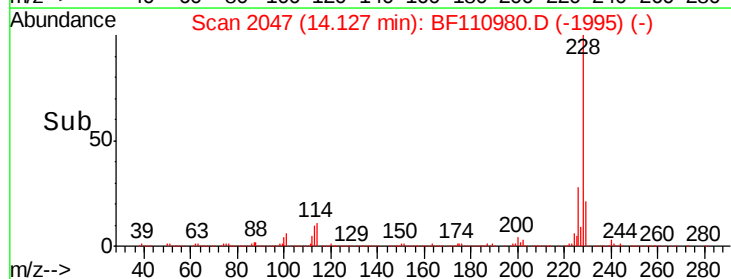
229 21.3 15.6 23.4

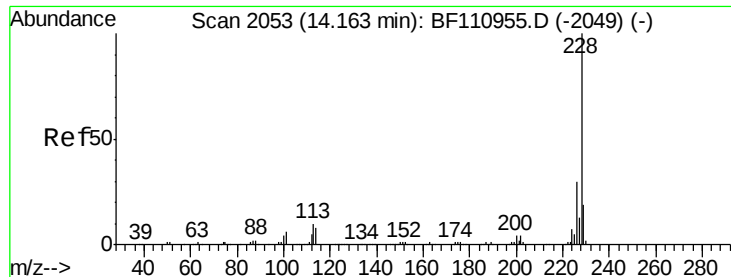


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 77.617 ng

RT: 14.17 min Scan# 2054

Delta R.T. 0.01 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

Instrument :

BNA_F

ClientSampleId :

SU-03-112118-B

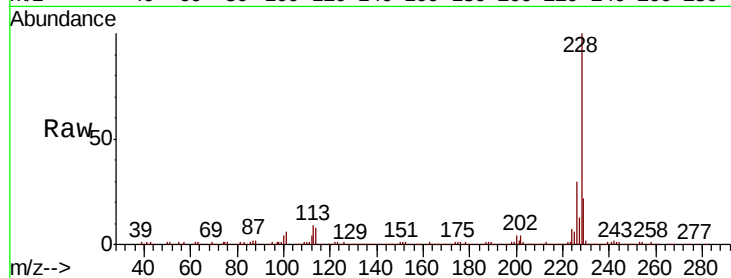
Tgt Ion:228 Resp: 387105

Ion Ratio Lower Upper

228 100

226 30.3 24.7 37.1

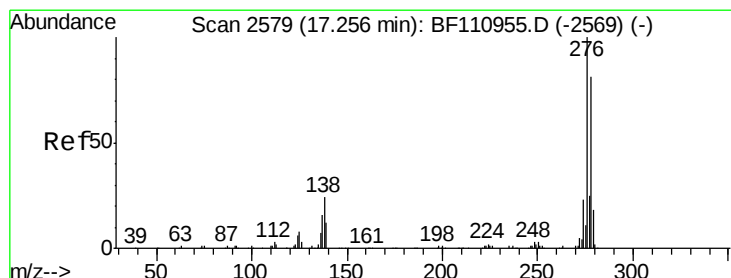
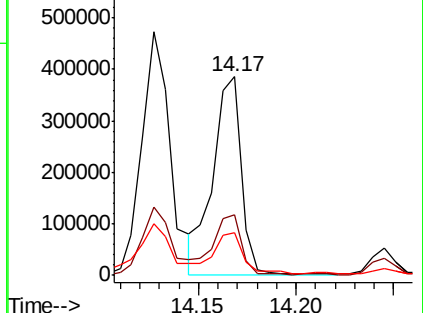
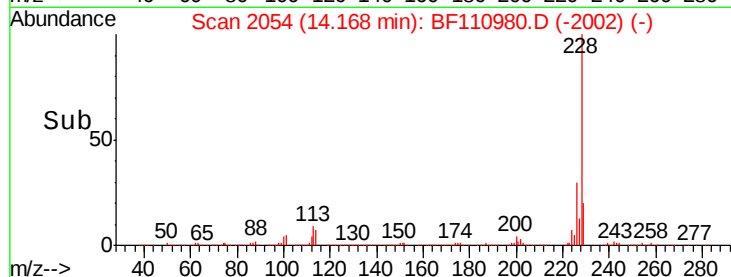
229 21.7 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 42.626 ng

RT: 17.27 min Scan# 2582

Delta R.T. 0.02 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

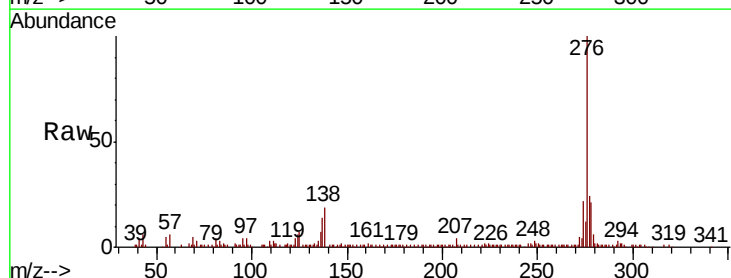
Tgt Ion:276 Resp: 152599

Ion Ratio Lower Upper

276 100

138 19.9 18.5 27.7

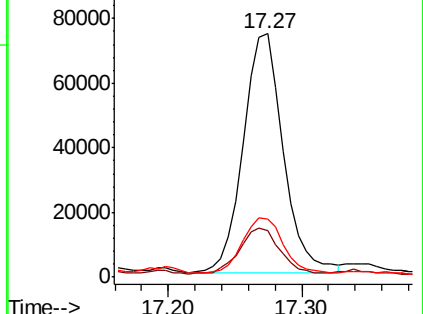
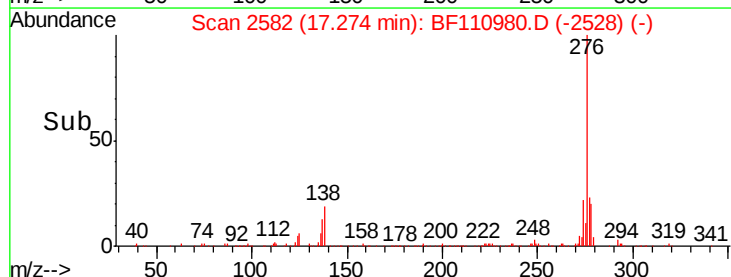
277 24.3 20.0 30.0

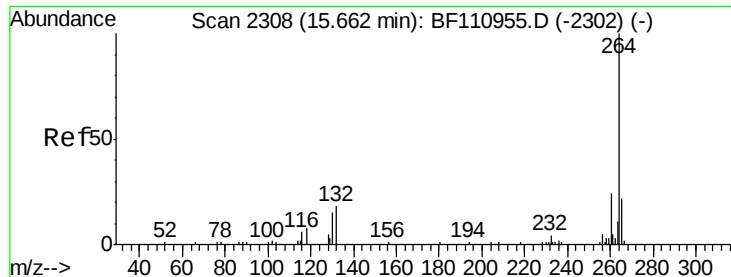


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

Instrument :

BNA_F

ClientSampleId :

SU-03-112118-B

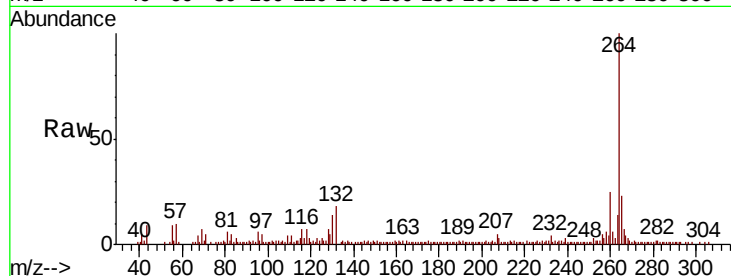
Tgt Ion:264 Resp: 69861

Ion Ratio Lower Upper

264 100

260 24.7 18.7 28.1

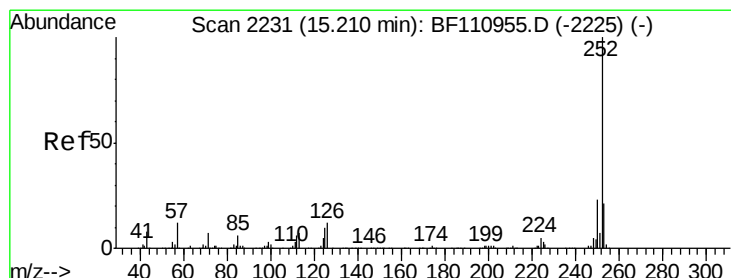
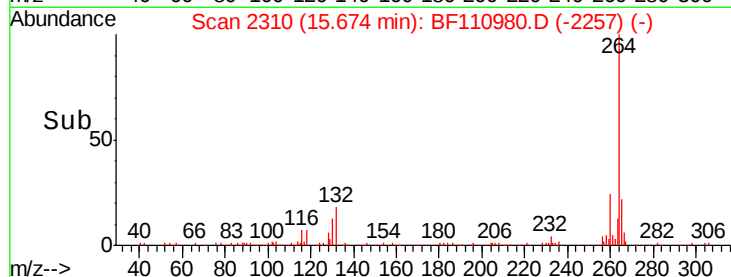
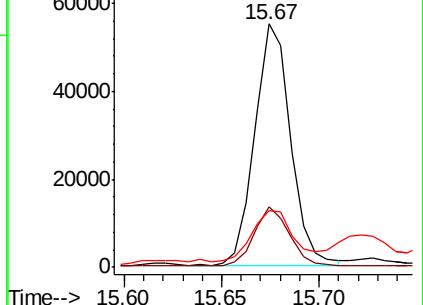
265 23.2 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 127.085 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

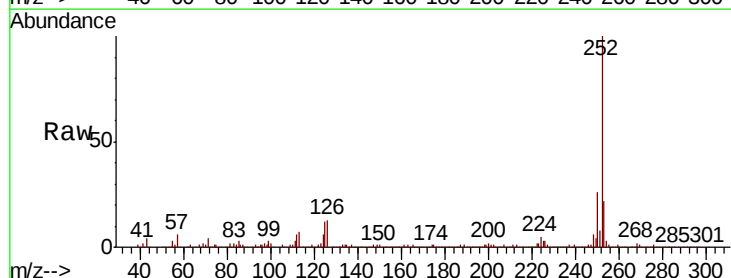
Tgt Ion:252 Resp: 521565

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

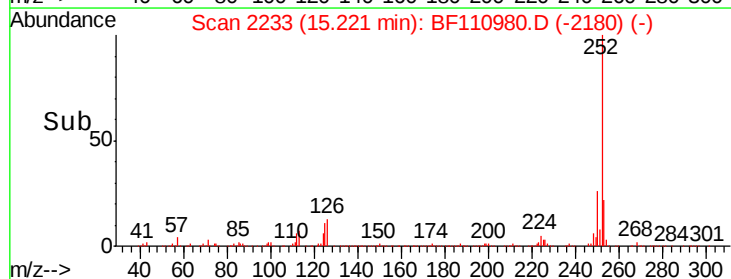
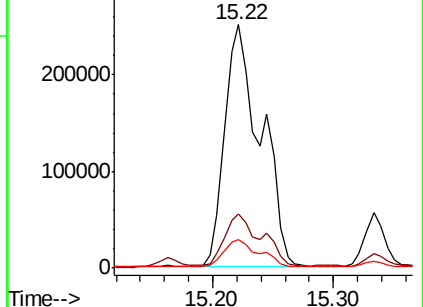
125 11.5 8.2 12.4

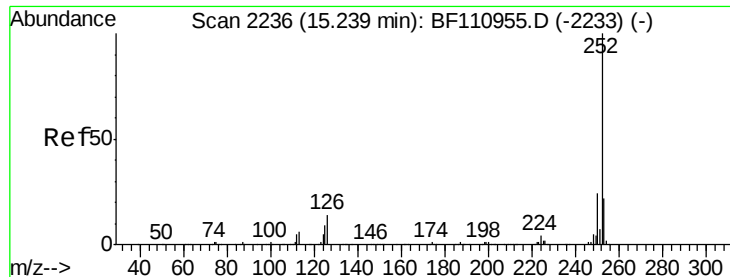


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 123.506 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.02 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

Instrument :

BNA_F

ClientSampleId :

SU-03-112118-B

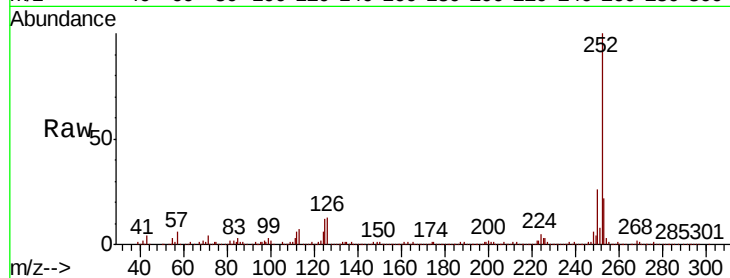
Tgt Ion:252 Resp: 521720

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

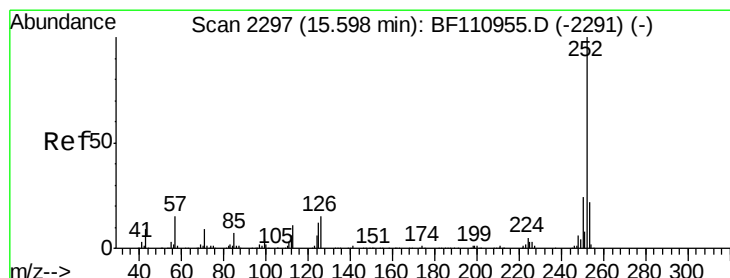
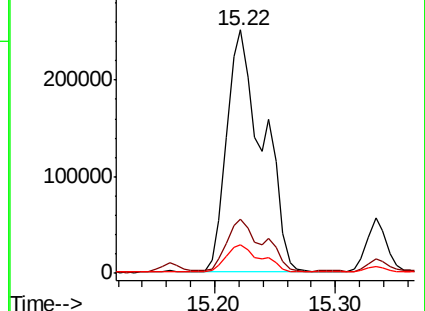
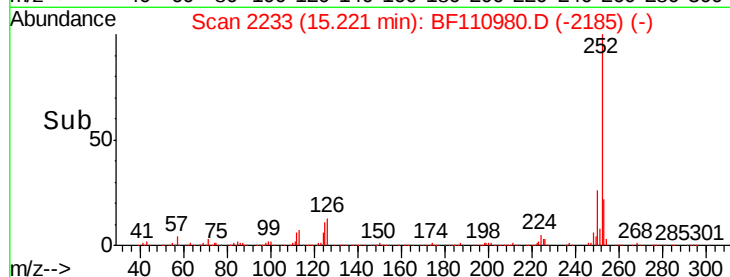
125 11.5 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 79.223 ng

RT: 15.62 min Scan# 2300

Delta R.T. 0.02 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

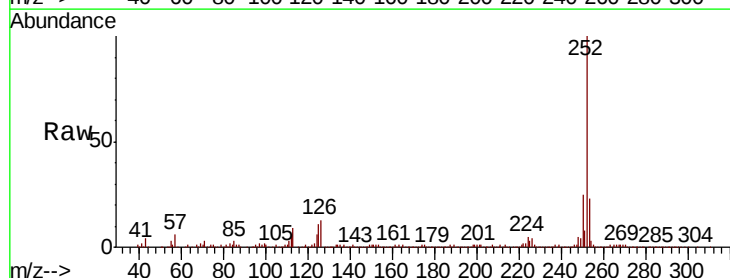
Tgt Ion:252 Resp: 302648

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.4

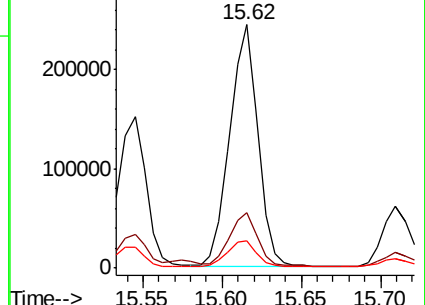
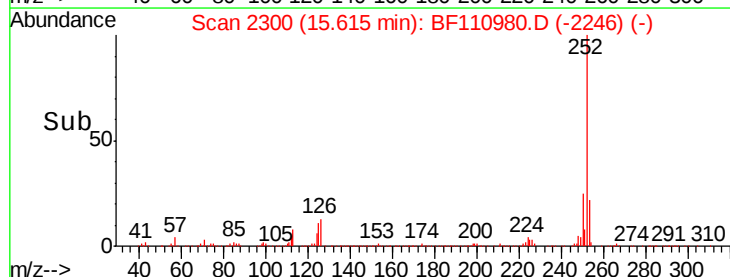
125 11.2 9.0 13.6

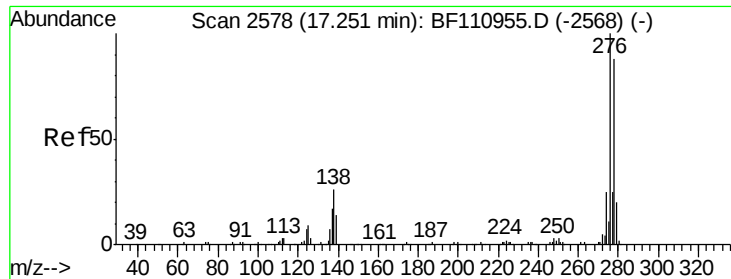


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 12.355 ng

RT: 17.27 min Scan# 2581

Delta R.T. 0.02 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

Instrument :

BNA_F

ClientSampleId :

SU-03-112118-B

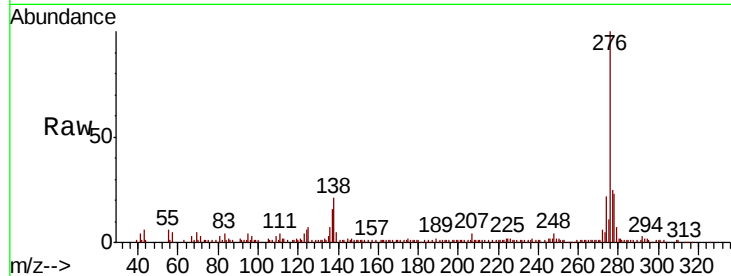
Tgt Ion:278 Resp: 38942

Ion Ratio Lower Upper

278 100

139 20.6 12.7 19.1#

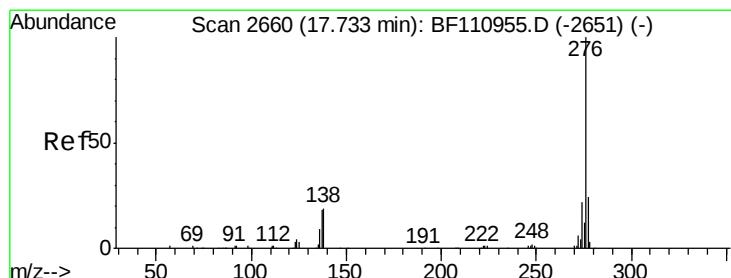
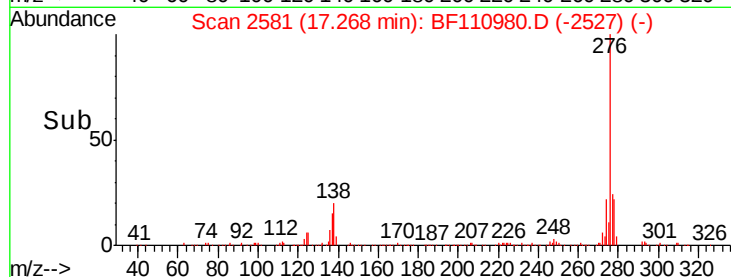
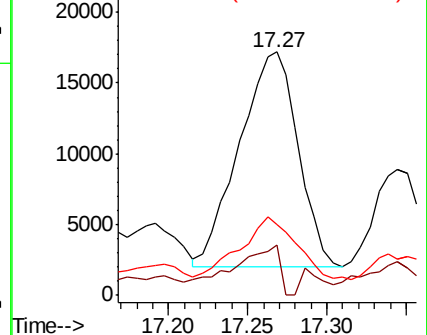
279 29.0 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 45.910 ng

RT: 17.76 min Scan# 2665

Delta R.T. 0.03 min

Lab File: BF110980.D

Acq: 26 Nov 2018 22:51

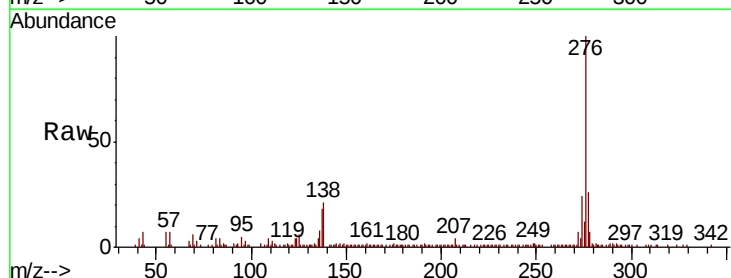
Tgt Ion:276 Resp: 139524

Ion Ratio Lower Upper

276 100

277 26.2 18.8 28.2

138 20.9 16.0 24.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

