

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\
 Data File : BF109382.D
 Acq On : 27 Sep 2018 13:09
 Operator : JU/SJ
 Sample : J5081-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 27 13:49:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	112364	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	446340	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	225413	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	442150	20.00	ng	0.00
75) Chrysene-d12	13.84	240	285127	20.00	ng	0.00
86) Perylene-d12	15.24	264	279942	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	478548	70.15	ng	0.00
7) Phenol-d6	6.35	99	620447	71.27	ng	-0.01
23) Nitrobenzene-d5	7.26	82	403590	53.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	161113	72.50	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	774034	51.79	ng	-0.01
78) Terphenyl-d14	12.80	244	722907	62.22	ng	0.00

Target Compounds

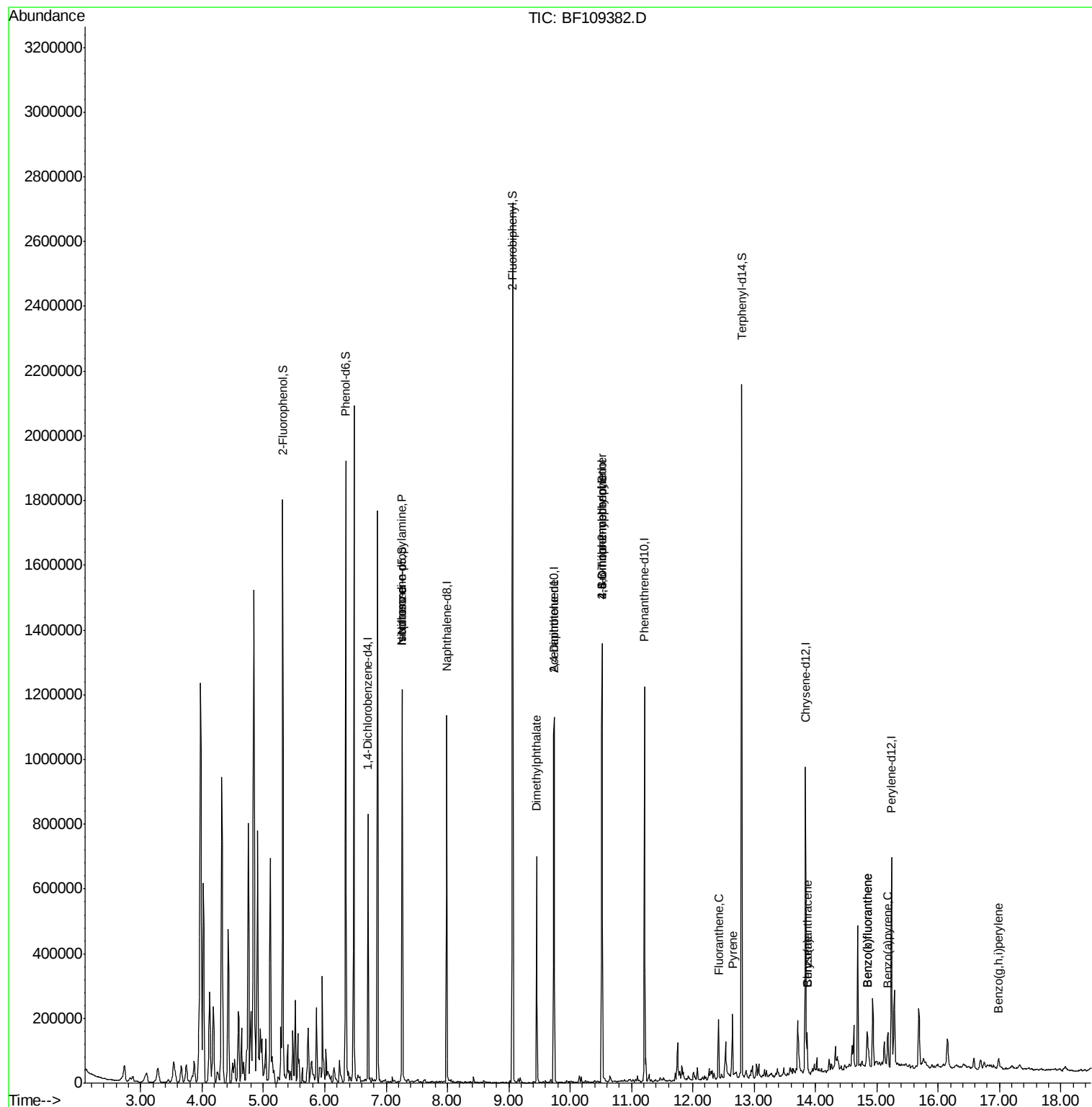
						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	55676	9.761	ng	# 78
25) Isophorone	7.26	82	378082	27.769	ng	# 64
49) Dimethylphthalate	9.46	163	248648	15.166	ng	99
56) 2,4-Dinitrotoluene	9.73	165	28132	6.847	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	274	6.653	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	9832	2.002	ng	# 1
74) Fluoranthene	12.42	202	73684	3.123	ng	95
77) Pyrene	12.64	202	74091	3.626	ng	96
80) Benzo(a)anthracene	13.86	228	42335	2.465	ng	95
82) Chrysene	13.86	228	42335	2.487	ng	97
87) Benzo(b)fluoranthene	14.84	252	70575	4.588	ng	96
88) Benzo(k)fluoranthene	14.84	252	70575	4.835	ng	99
89) Benzo(a)pyrene	15.18	252	43084	3.108	ng	98
91) Benzo(a,h,i)perylene	16.99	276	22815	2.041	ng	94

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

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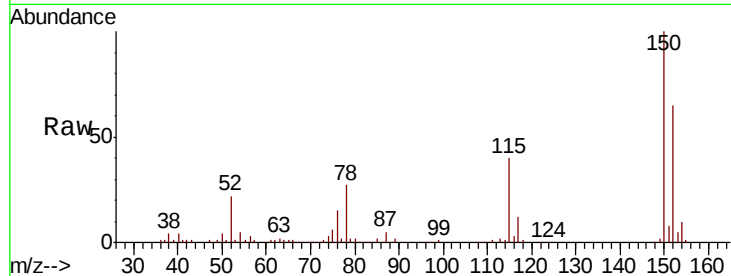


#1

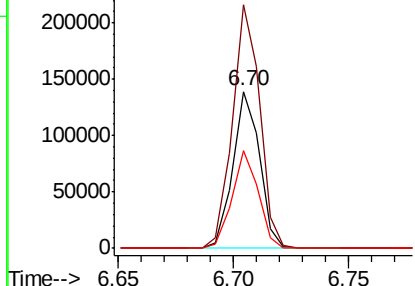
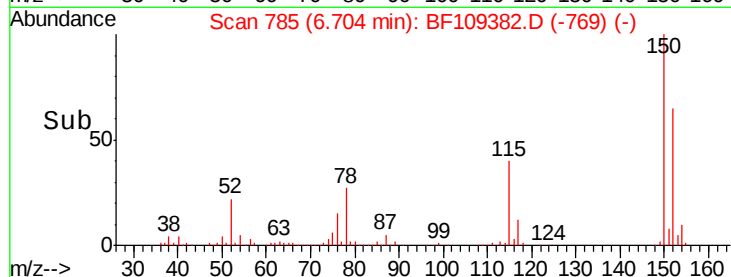
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109382.D
Acq: 27 Sep 2018 13:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 112364
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 62.2 50.1 75.1



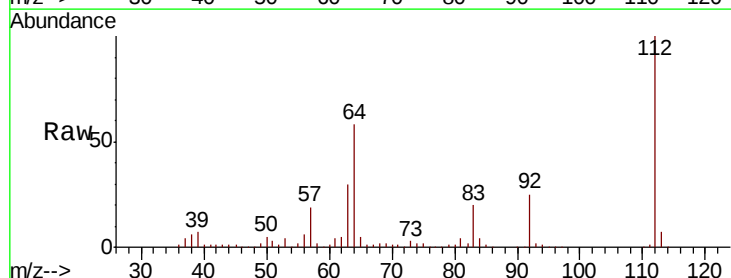
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



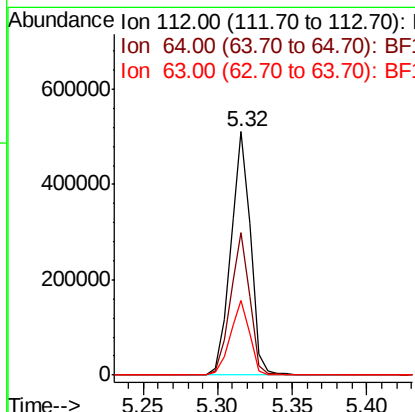
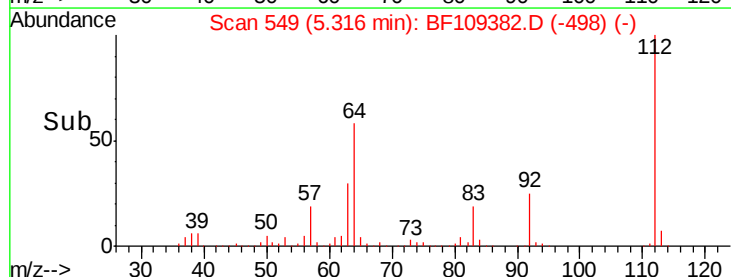
#5

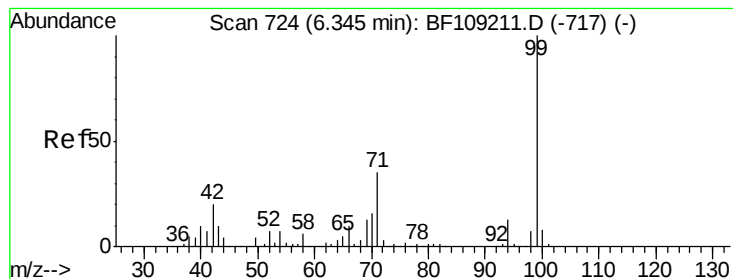
2-Fluorophenol
Concen: 70.148 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109382.D
Acq: 27 Sep 2018 13:09

Tgt Ion:112 Resp: 478548
Ion Ratio Lower Upper
112 100
64 58.4 47.9 71.9
63 30.5 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: 71.274 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109382.D

Acq: 27 Sep 2018 13:09

Instrument :

BNA_F

ClientSampleId :

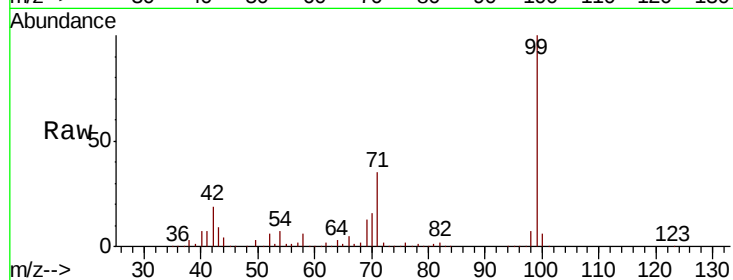
Tot Ion: 99 Resp: 620447

Ion Ratio Lower Upper

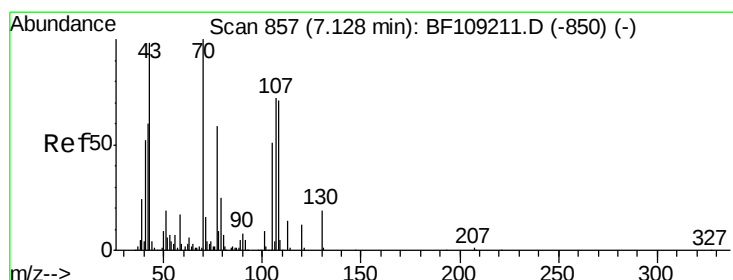
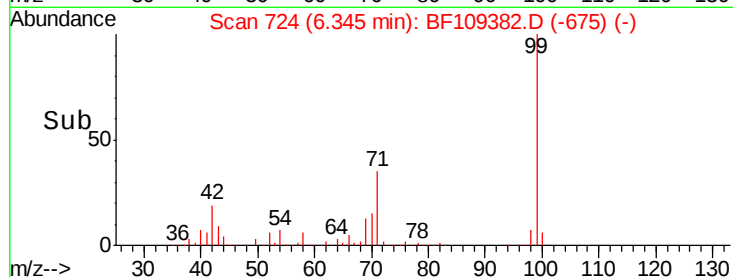
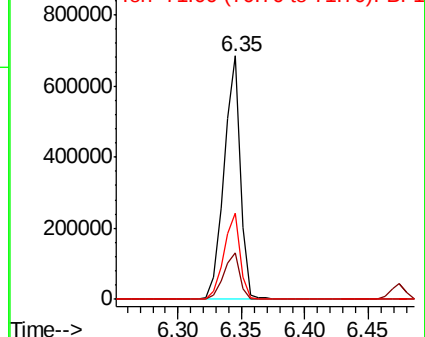
99 100

42 18.9 14.5 21.7

71 35.4 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.761 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109382.D

Acq: 27 Sep 2018 13:09

Tgt Ion: 70 Resp: 55676

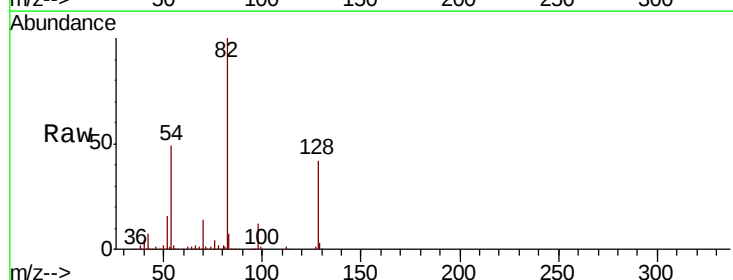
Ion Ratio Lower Upper

70 100

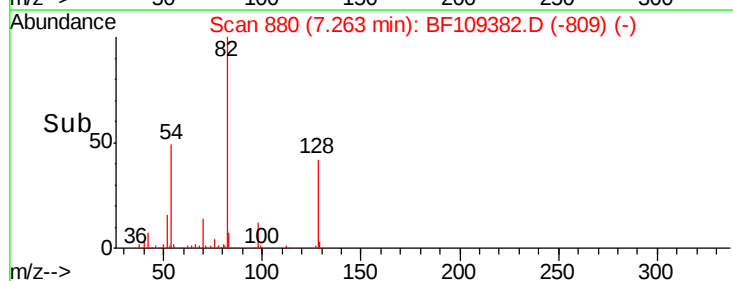
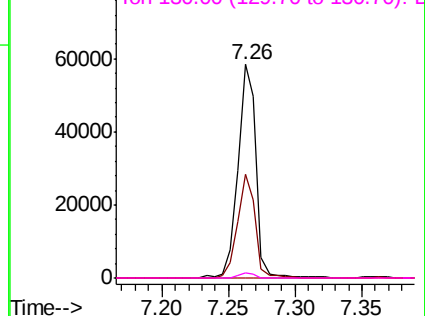
42 48.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109382.D

Acq: 27 Sep 2018 13:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 446340

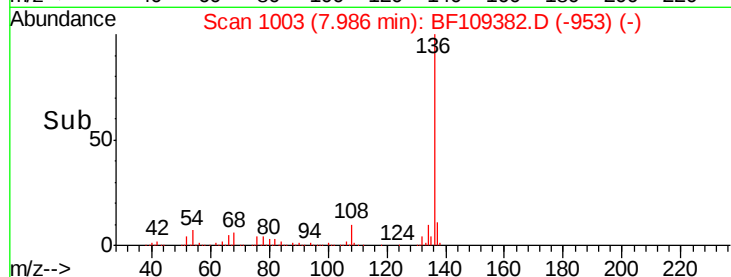
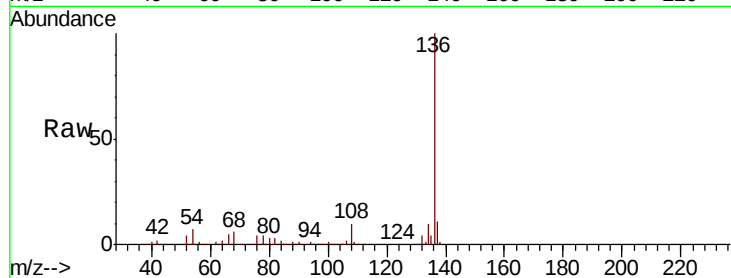
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.3 6.6 9.8

68 5.7 5.0 7.4

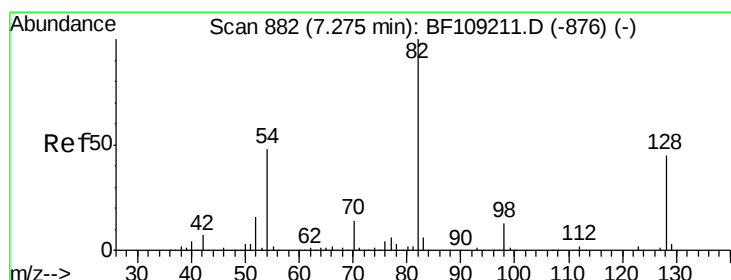
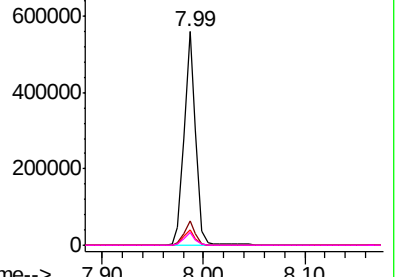


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 53.378 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109382.D

Acq: 27 Sep 2018 13:09

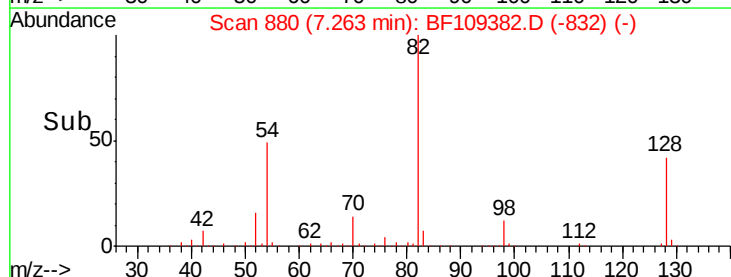
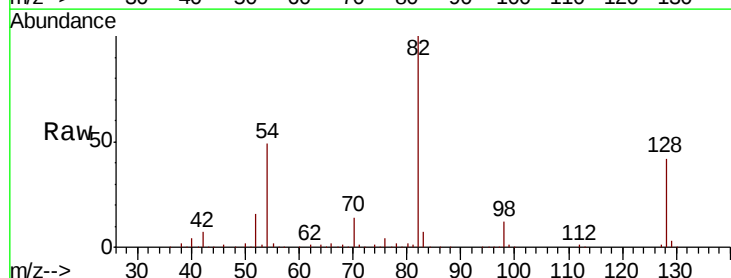
Tgt Ion: 82 Resp: 403590

Ion Ratio Lower Upper

82 100

128 42.4 36.1 54.1

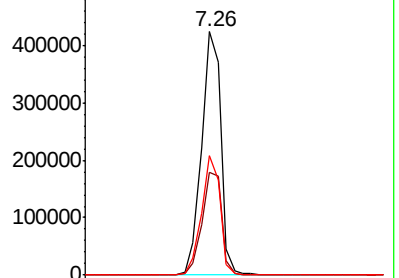
54 49.2 41.4 62.2

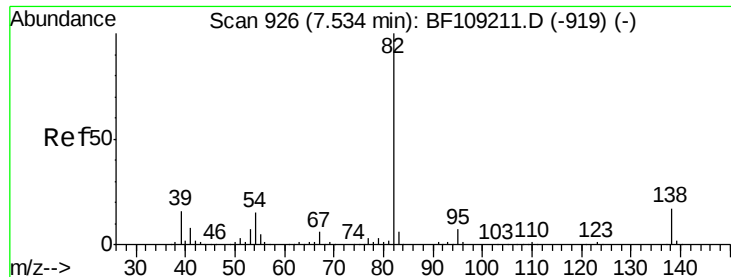


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

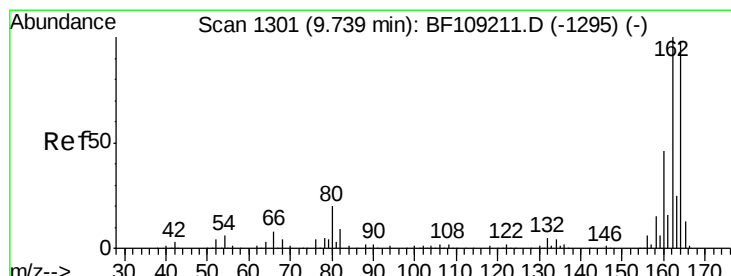
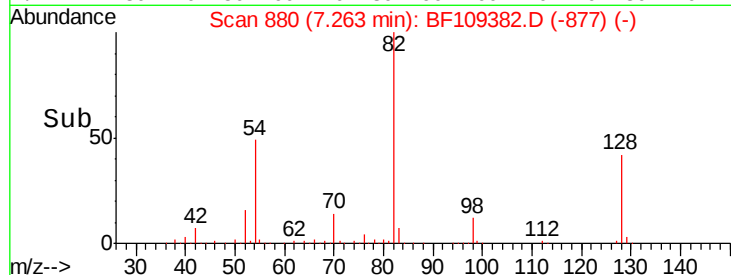
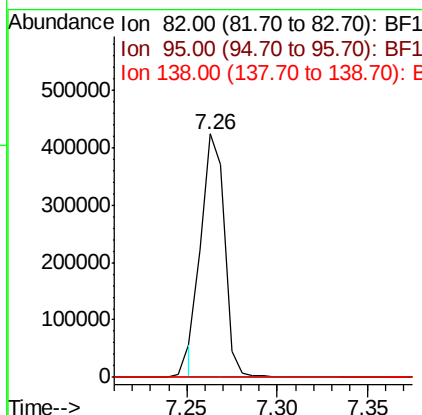
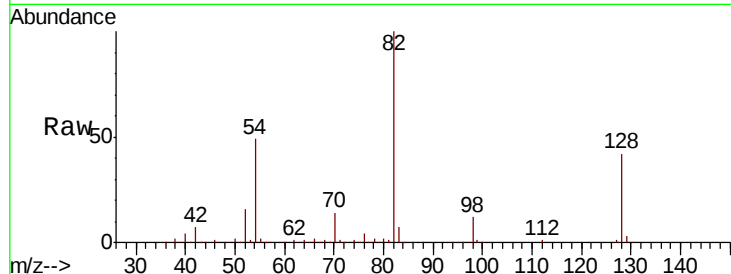




#25
Isophorone
Concen: 27.769 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109382.D
Acq: 27 Sep 2018 13:09

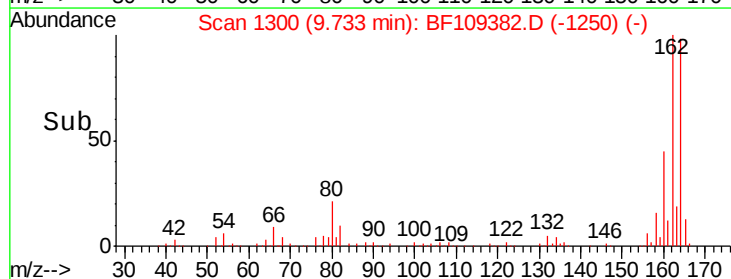
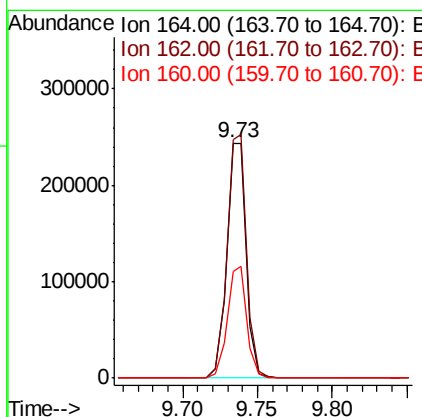
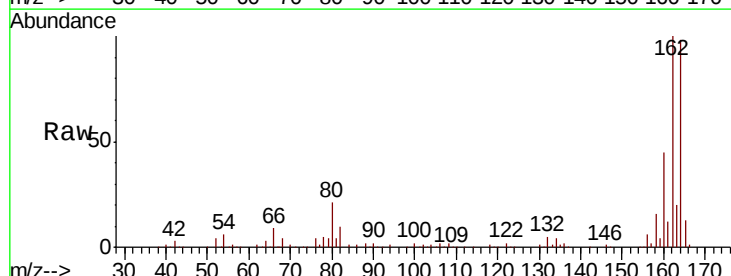
Instrument :
BNA_F
ClientSampleId :

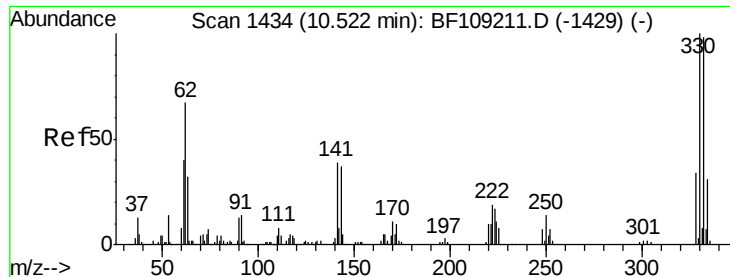
Tot Ion: 82 Resp: 378082
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109382.D
Acq: 27 Sep 2018 13:09

Tgt Ion:164 Resp: 225413
Ion Ratio Lower Upper
164 100
162 101.6 86.1 129.1
160 45.6 38.3 57.5

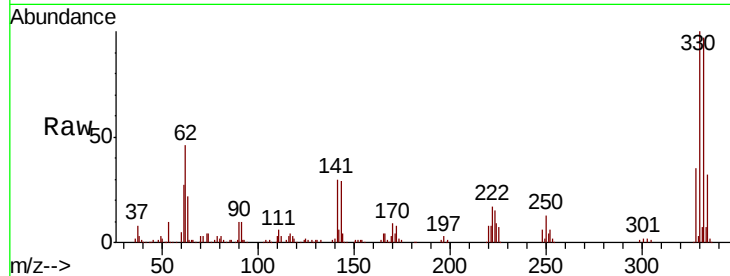




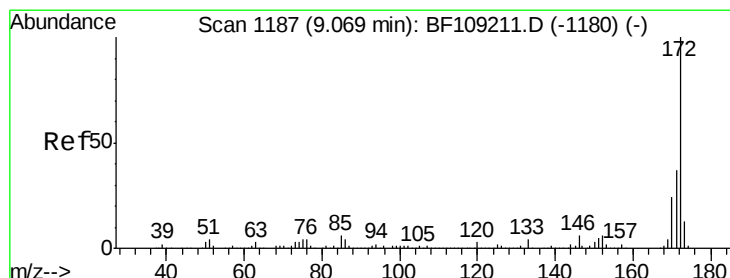
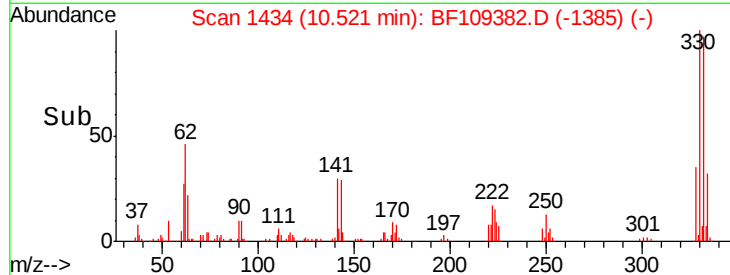
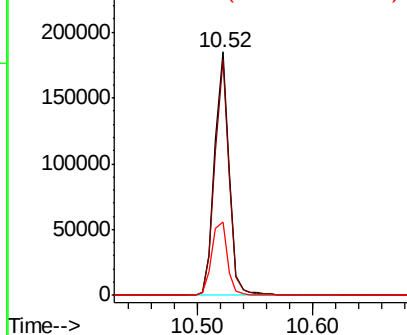
#41
 2,4,6-Tribromophenol
 Concen: 72.505 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109382.D
 Acq: 27 Sep 2018 13:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 161113
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 33.2 29.9 44.9

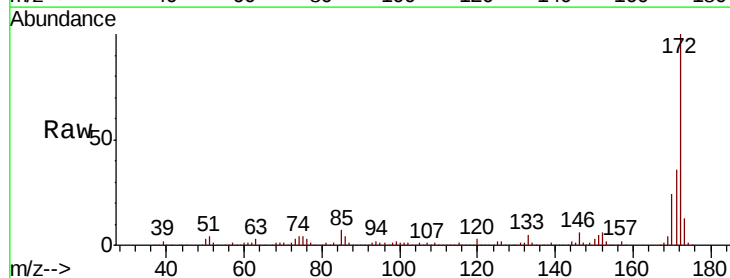


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

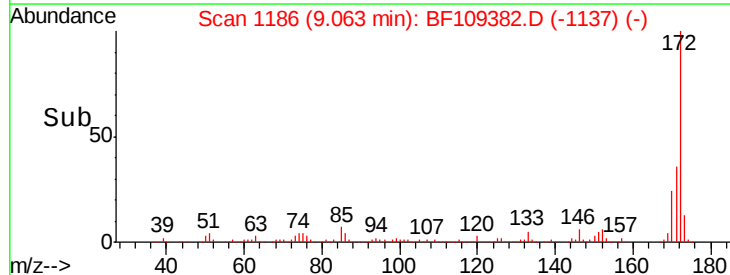
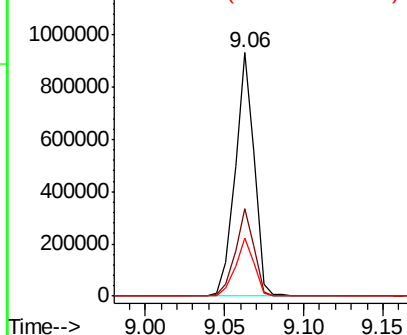


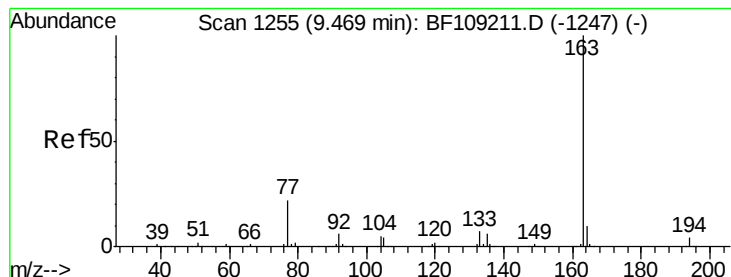
#44
 2-Fluorobiphenyl
 Concen: 51.789 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109382.D
 Acq: 27 Sep 2018 13:09

Tgt Ion:172 Resp: 774034
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 23.9 19.6 29.4



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

Dimethylphthalate

Concen: 15.166 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109382.D

Acq: 27 Sep 2018 13:09

Instrument :

BNA_F

ClientSampleId :

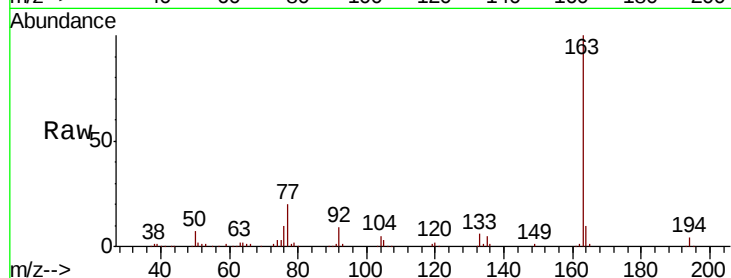
Tot Ion:163 Resp: 248648

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1

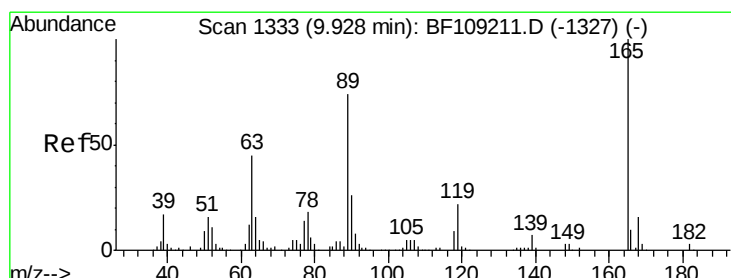
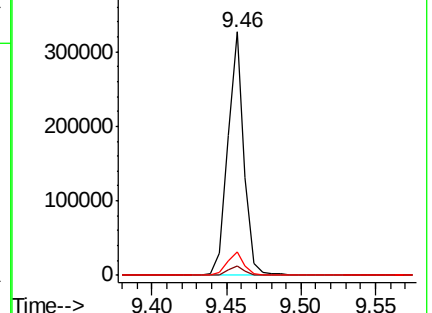
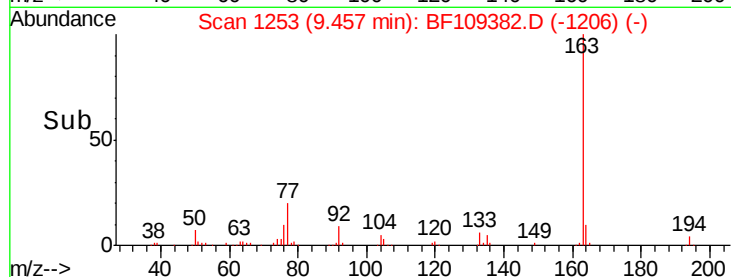
164 9.7 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.847 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.21 min

Lab File: BF109382.D

Acq: 27 Sep 2018 13:09

Tgt Ion:165 Resp: 28132

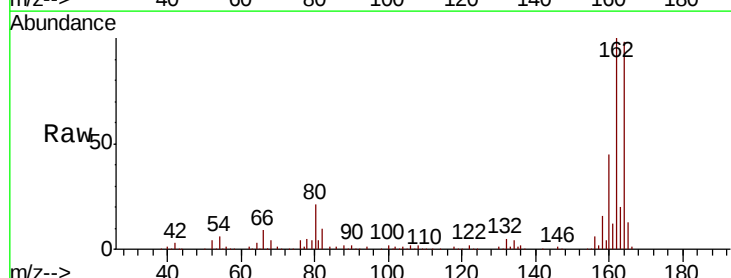
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

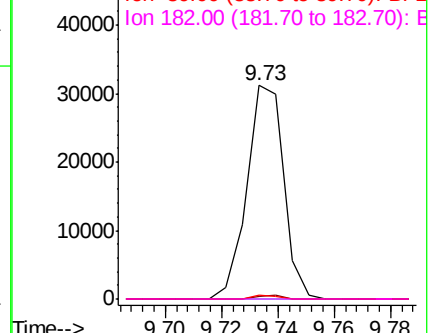
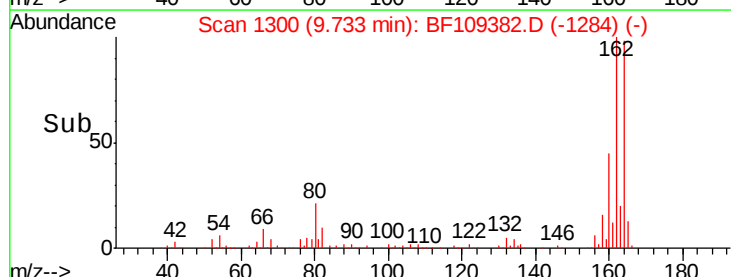


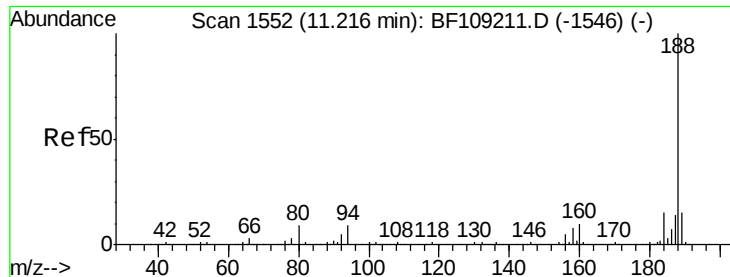
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

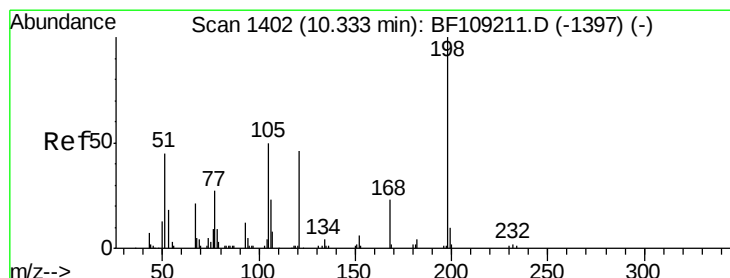
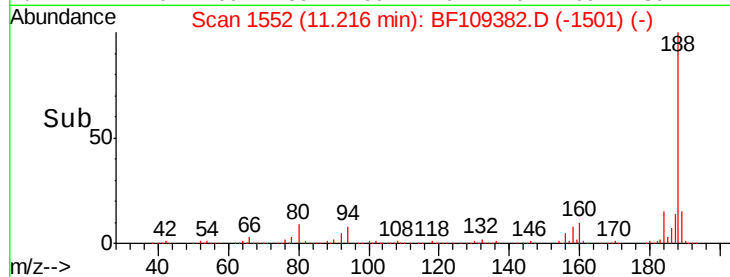
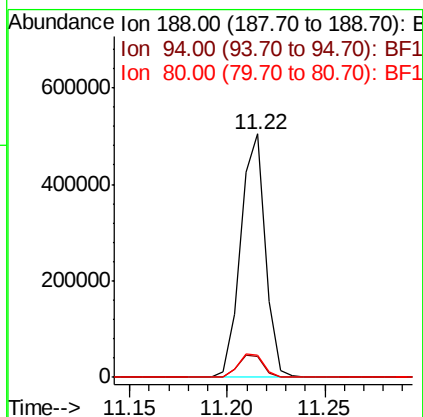
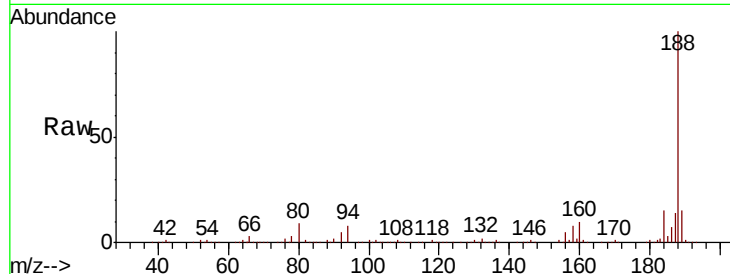




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.00 min
 Lab File: BF109382.D
 Acq: 27 Sep 2018 13:09

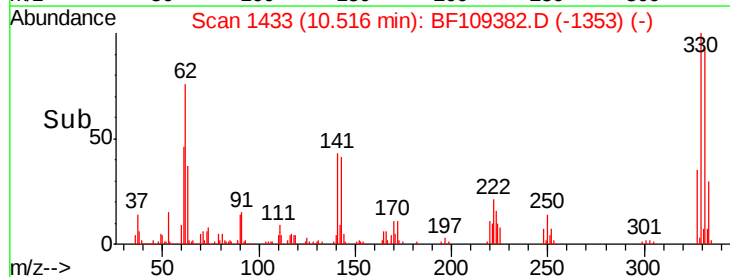
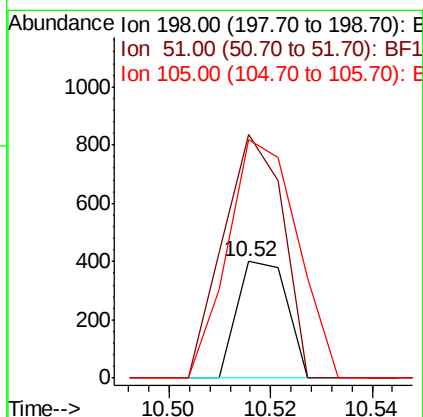
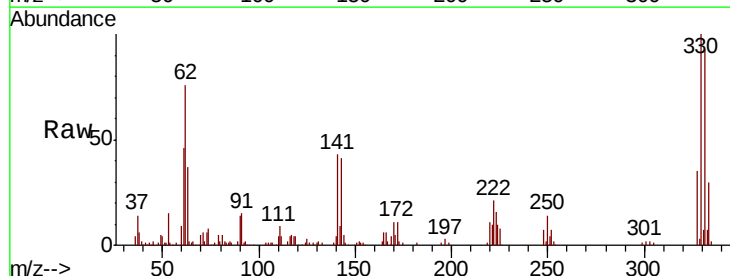
Instrument :
 BNA_F
 ClientSampleId :

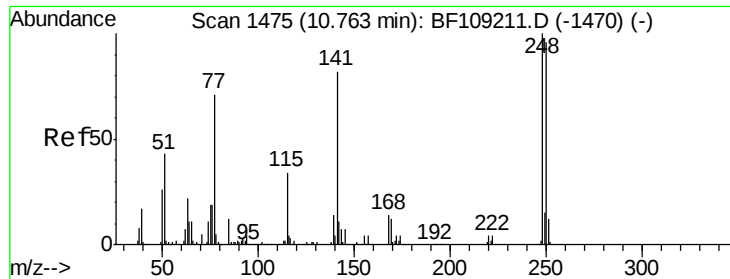
Tot Ion:188 Resp: 442150
 Ion Ratio Lower Upper
 188 100
 94 8.4 8.5 12.7#
 80 9.0 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.653 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.17 min
 Lab File: BF109382.D
 Acq: 27 Sep 2018 13:09

Tgt Ion:198 Resp: 274
 Ion Ratio Lower Upper
 198 100
 51 209.0 37.7 77.7#
 105 204.8 36.3 76.3#

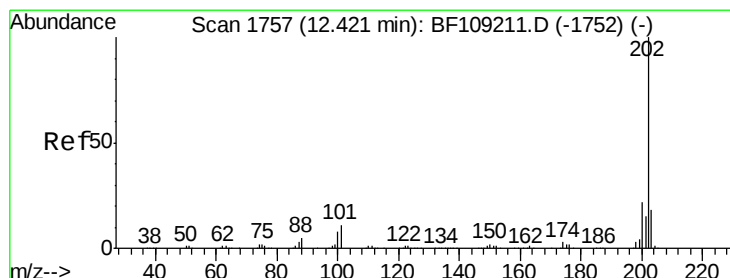
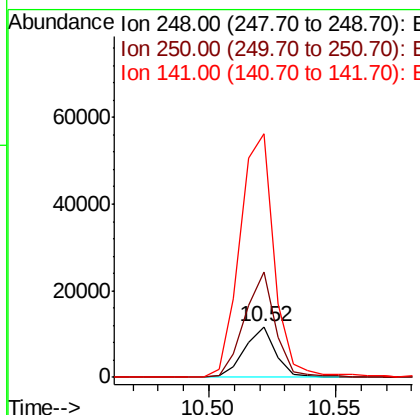
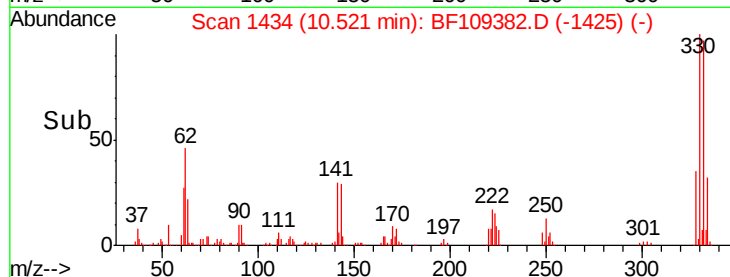
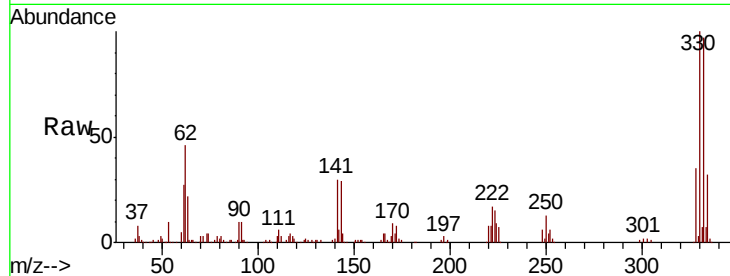




#66
4-Bromophenyl-phenylether
Concen: 2.002 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF109382.D
Acq: 27 Sep 2018 13:09

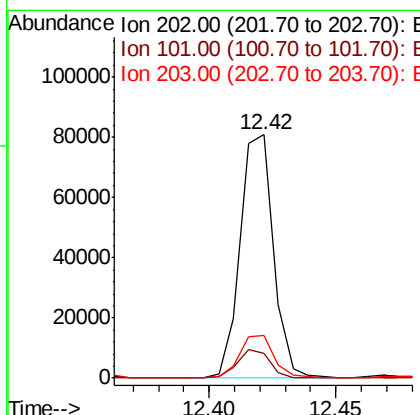
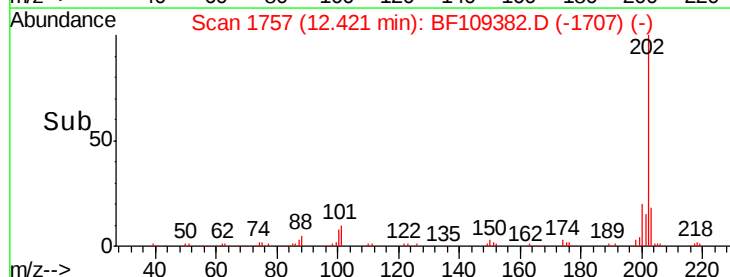
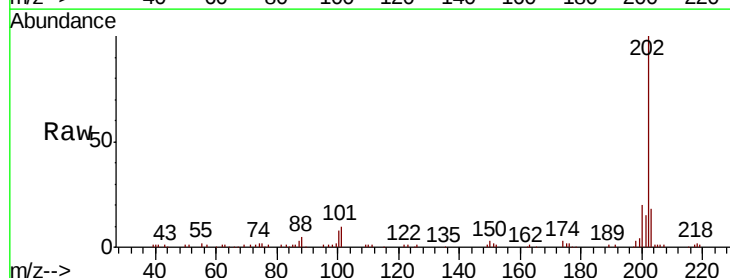
Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9832
Ion Ratio Lower Upper
248 100
250 207.3 76.9 115.3#
141 479.9 74.4 111.6#



#74
Fluoranthene
Concen: 3.123 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF109382.D
Acq: 27 Sep 2018 13:09

Tgt Ion:202 Resp: 73684
Ion Ratio Lower Upper
202 100
101 9.9 0.0 34.1
203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109382.D

Acq: 27 Sep 2018 13:09

Instrument :

BNA_F

ClientSampleId :

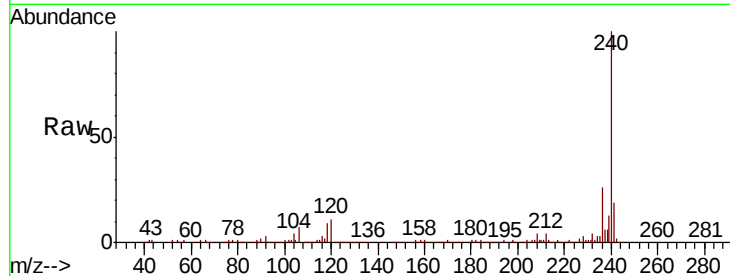
Tot Ion:240 Resp: 285127

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

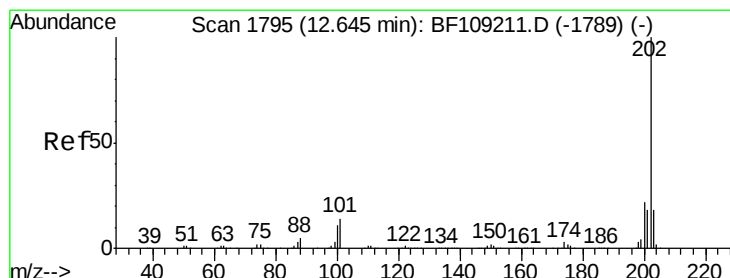
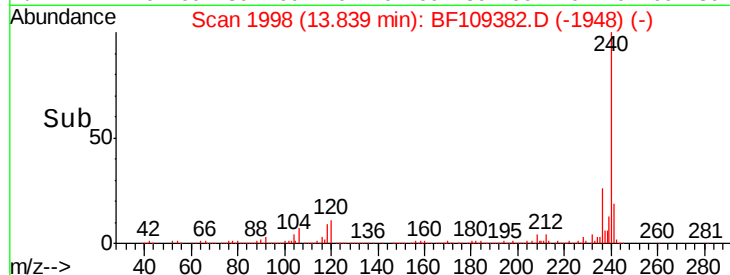
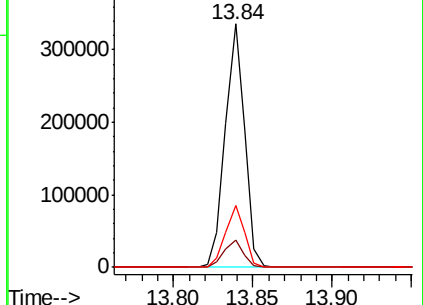
236 25.6 20.7 31.1



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



#77

Pyrene

Concen: 3.626 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109382.D

Acq: 27 Sep 2018 13:09

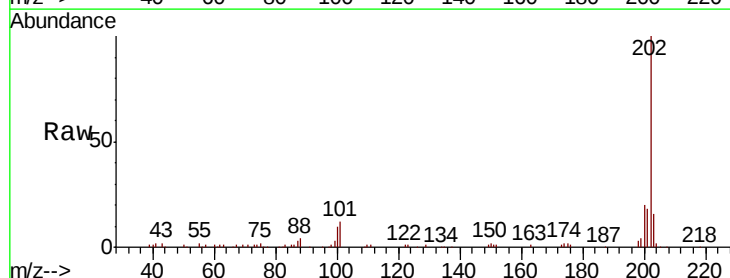
Tgt Ion:202 Resp: 74091

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

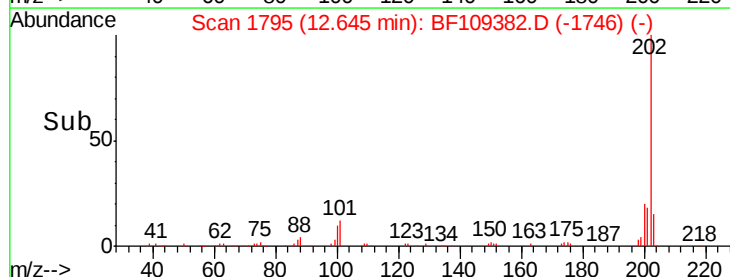
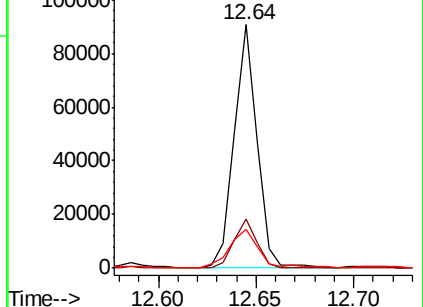
203 15.8 14.3 21.5

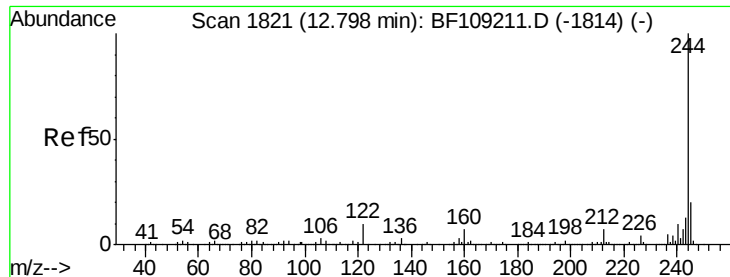


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

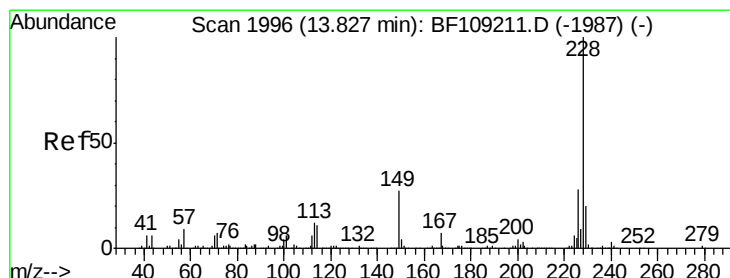
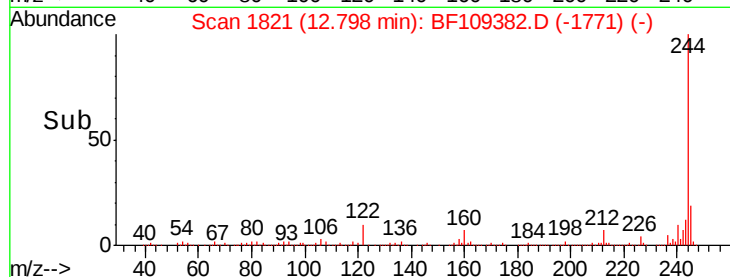
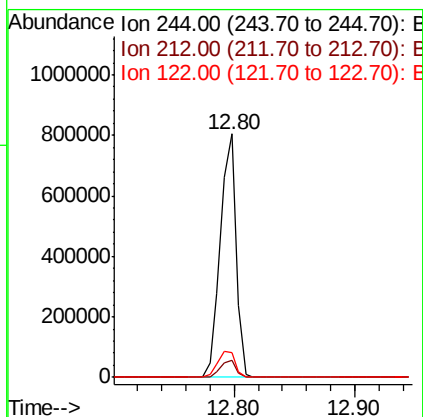
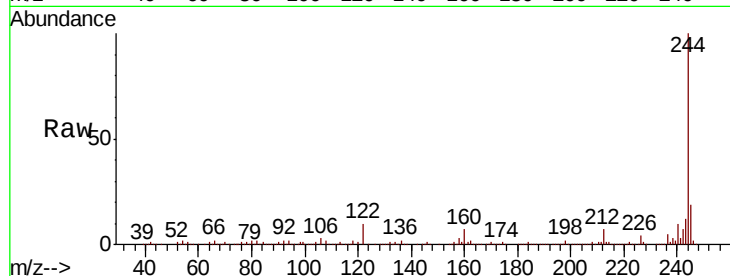




#78
 Terphenyl-d14
 Concen: 62.223 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109382.D
 Acq: 27 Sep 2018 13:09

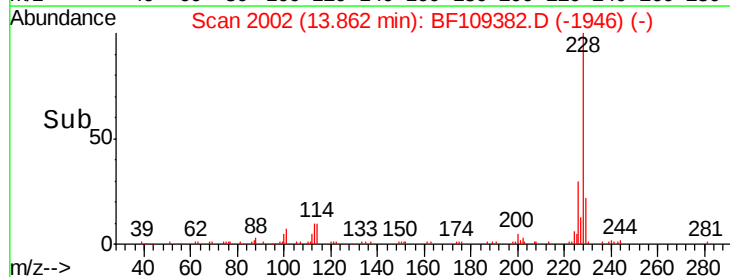
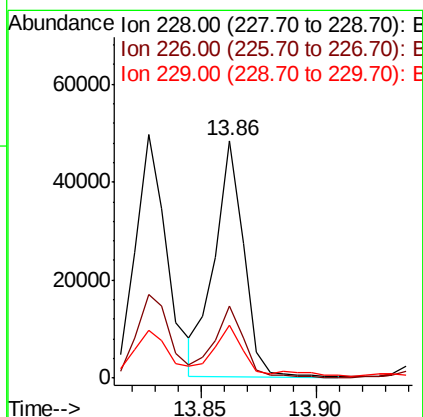
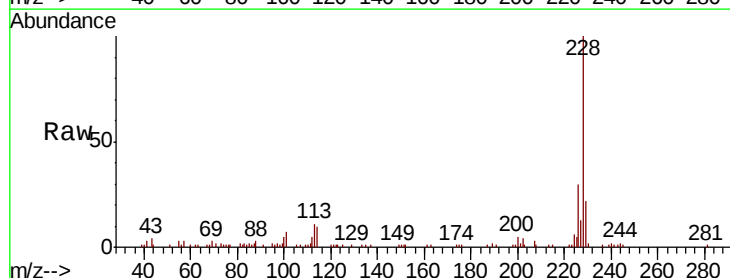
Instrument :
 BNA_F
 ClientSampled :

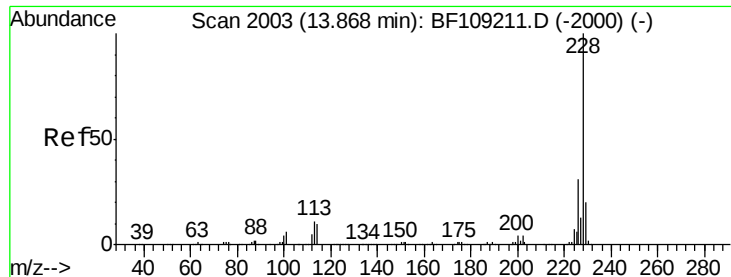
Tot Ion:244 Resp: 722907
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.0 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 2.465 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.03 min
 Lab File: BF109382.D
 Acq: 27 Sep 2018 13:09

Tgt Ion:228 Resp: 42335
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.6 33.8
 229 22.4 15.8 23.6

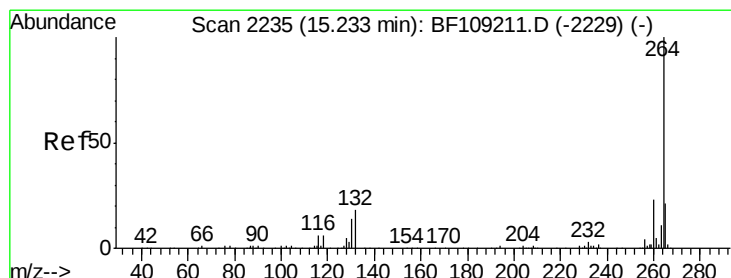
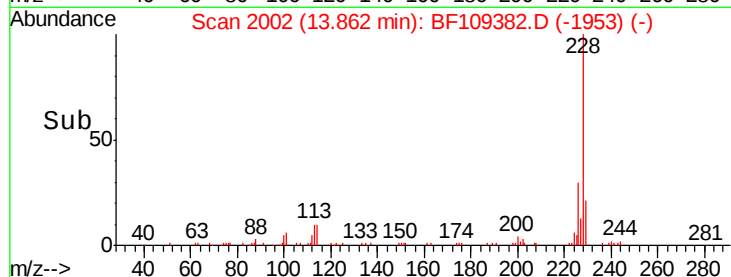
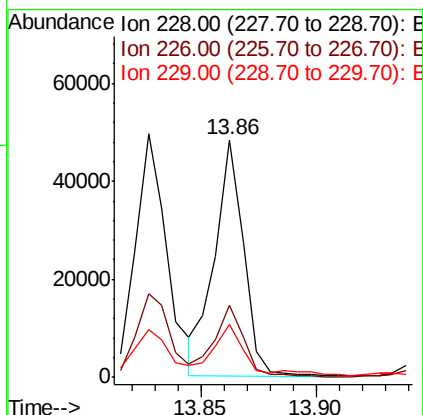
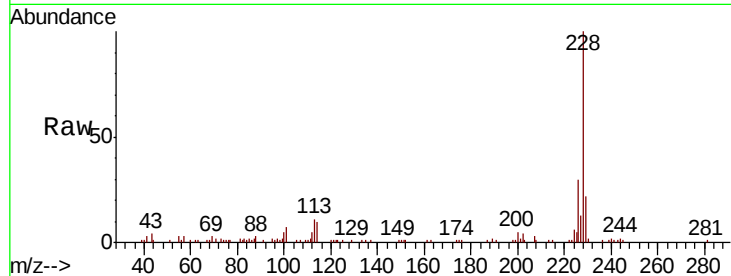




#82
Chrysene
Concen: 2.487 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF109382.D
Acq: 27 Sep 2018 13:09

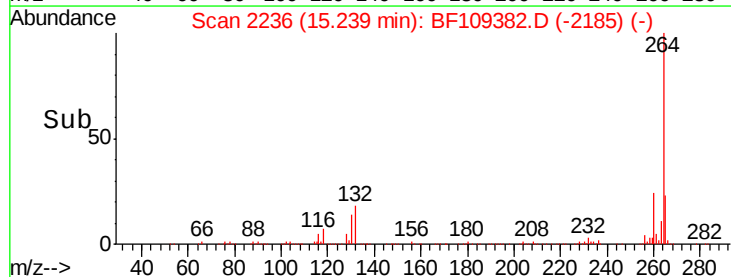
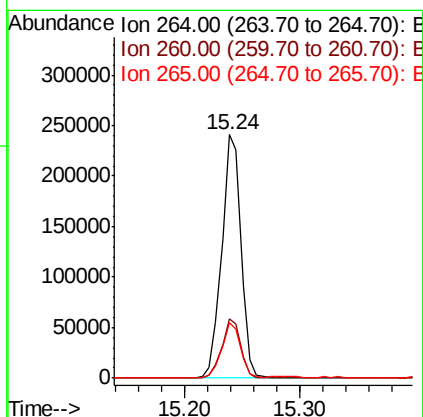
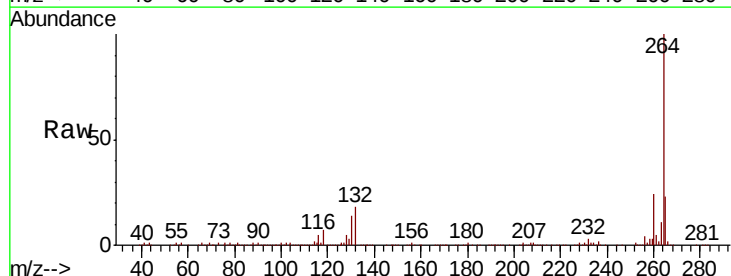
Instrument :
BNA_F
ClientSampleId :

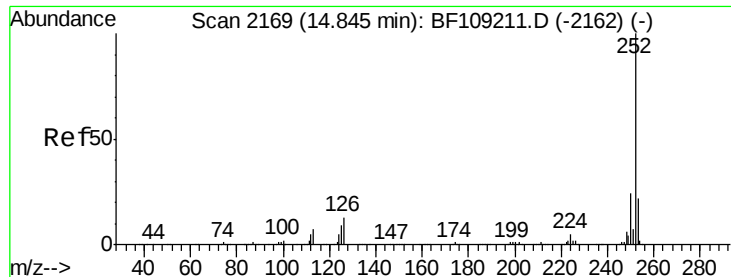
Tot Ion:228 Resp: 42335
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.4 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF109382.D
Acq: 27 Sep 2018 13:09

Tgt Ion:264 Resp: 279942
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 22.7 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 4.588 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF109382.D

Acq: 27 Sep 2018 13:09

Instrument :

BNA_F

ClientSampleId :

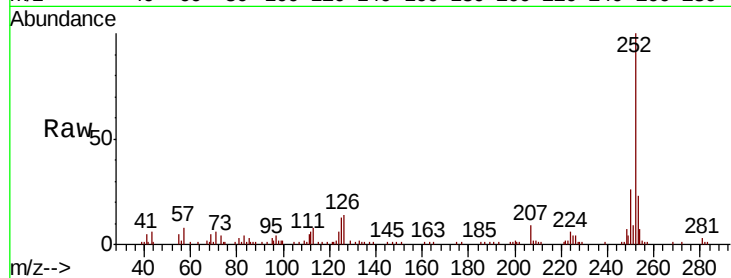
Tot Ion:252 Resp: 70575

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

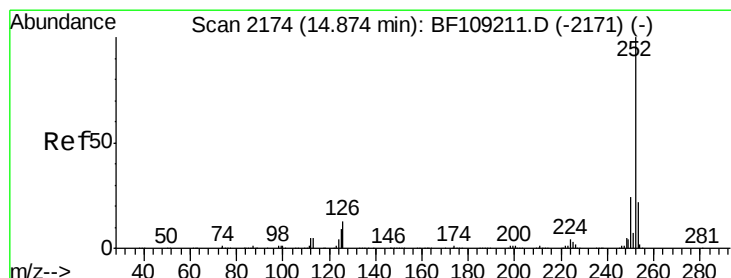
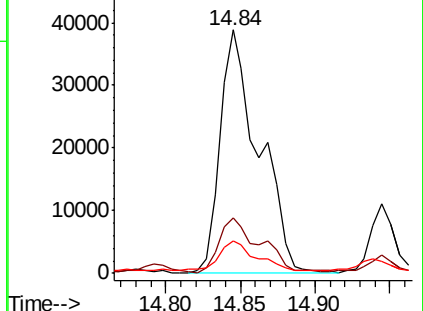
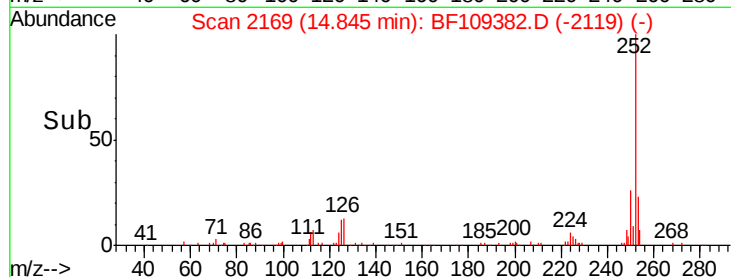
125 13.4 9.0 13.6



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



#88

Benzo(k)fluoranthene

Concen: 4.835 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF109382.D

Acq: 27 Sep 2018 13:09

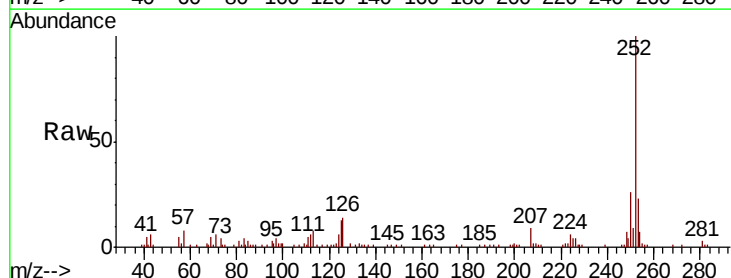
Tgt Ion:252 Resp: 70575

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

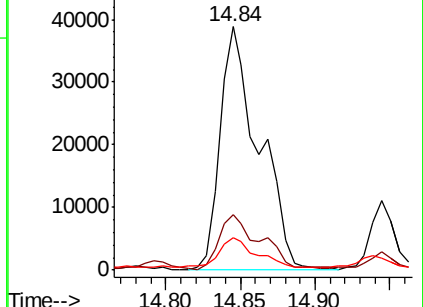
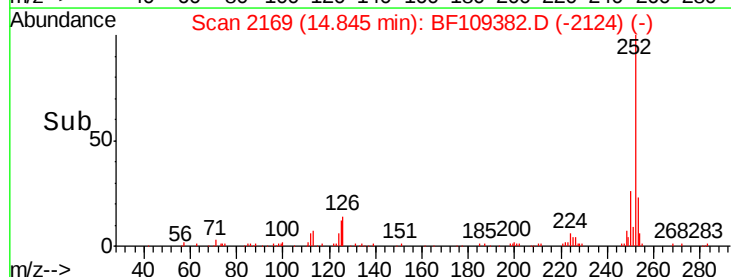
125 13.4 10.2 15.2

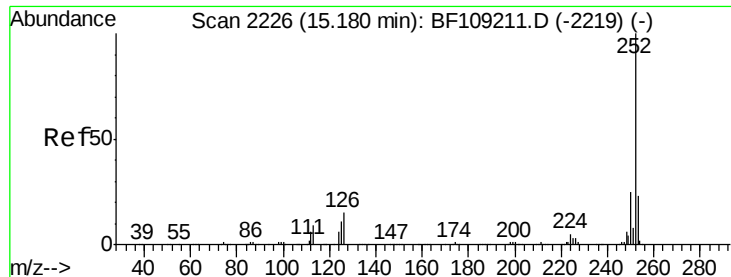


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

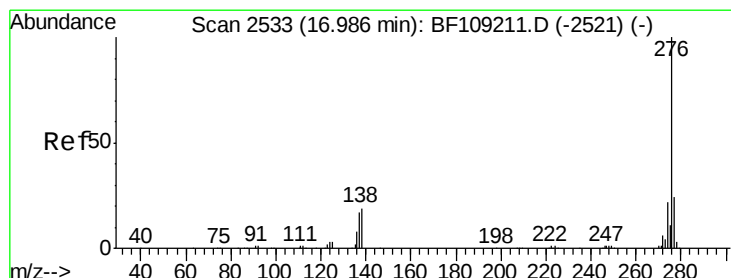
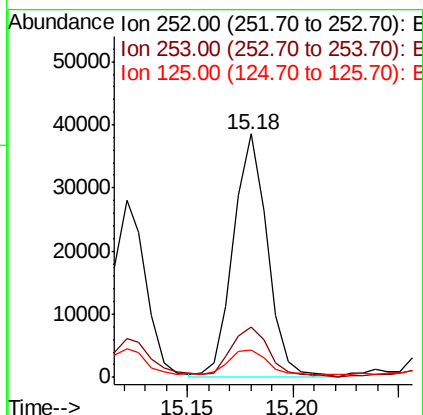
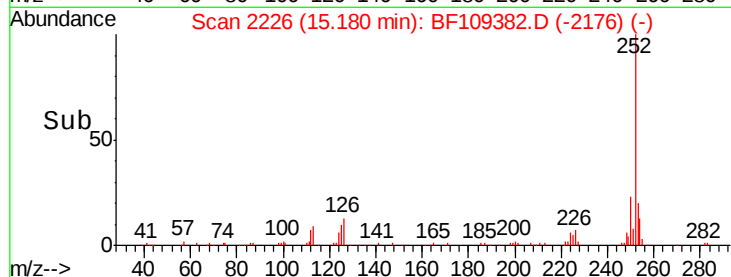
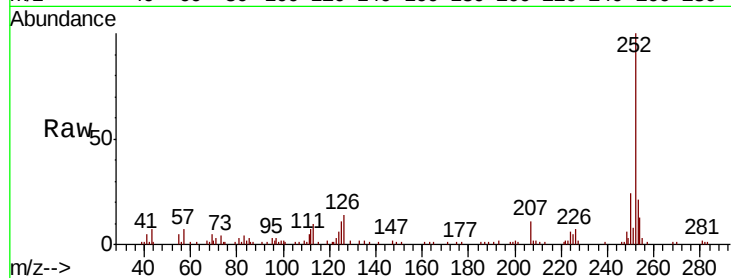




#89
Benzo(a)pyrene
Concen: 3.108 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109382.D
Acq: 27 Sep 2018 13:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 43084
Ion Ratio Lower Upper
252 100
253 20.8 17.1 25.7
125 11.2 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 2.041 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF109382.D
Acq: 27 Sep 2018 13:09

Tgt Ion:276 Resp: 22815
Ion Ratio Lower Upper
276 100
277 26.8 17.9 26.9
138 25.1 21.8 32.8

