

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092418\
 Data File : BF109271.D
 Acq On : 24 Sep 2018 16:52
 Operator : JU/SJ
 Sample : J5017-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-091918-NORTHEX-WW-062

Quant Time: Sep 25 04:42:14 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	6.71	152	92769	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	338779	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	144566	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	238437	20.00	ng	0.00
75) Chrysene-d12	13.86	240	200289	20.00	ng	0.02
86) Perylene-d12	15.27	264	162783	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	507987	90.19	ng	0.00
7) Phenol-d6	6.35	99	629504	87.59	ng	-0.01
23) Nitrobenzene-d5	7.27	82	390550	68.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	131294	92.13	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	615041	64.16	ng	-0.01
78) Terphenyl-d14	12.81	244	438999	53.79	ng	0.00

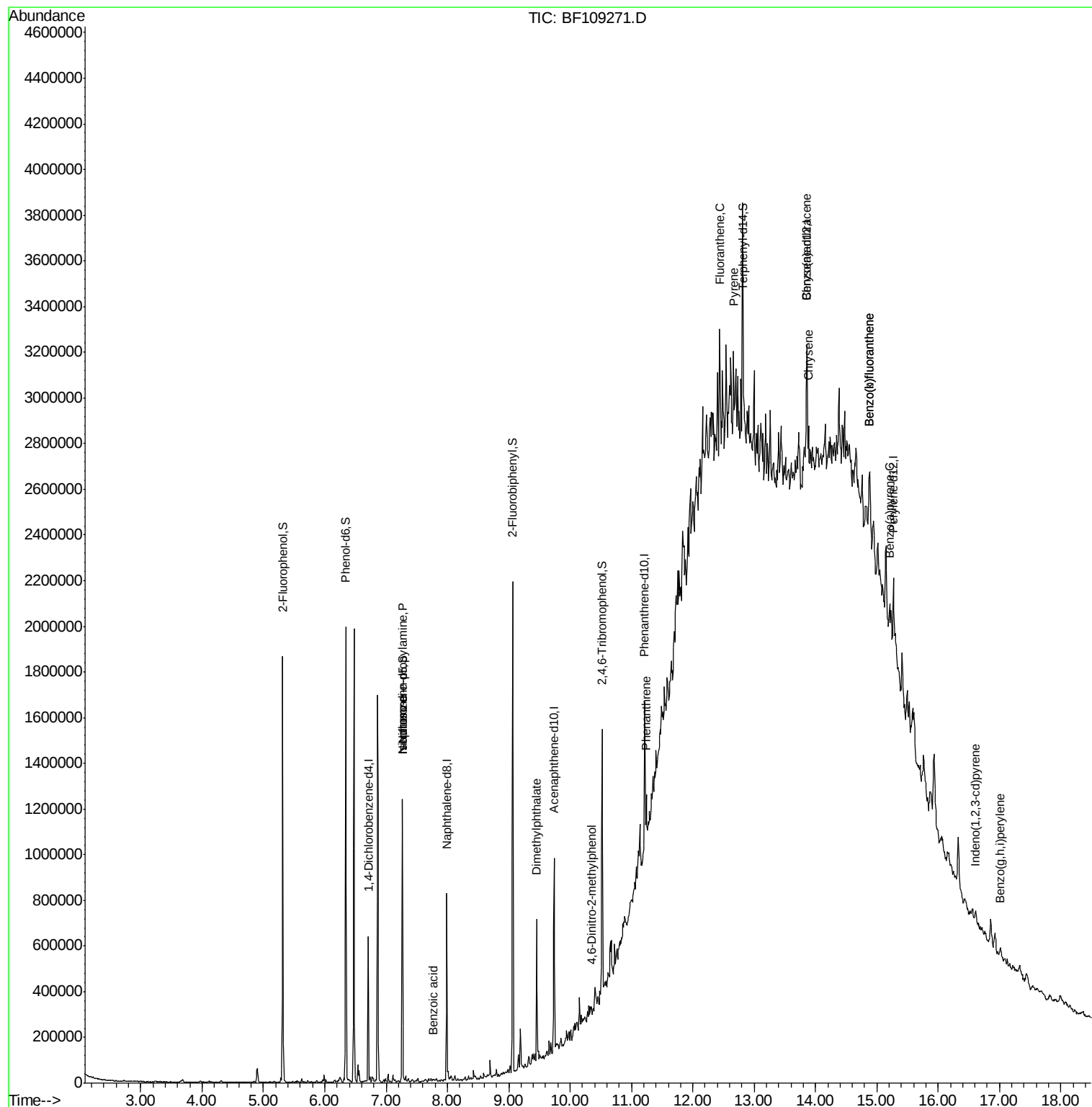
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	53217	11.300	ng	# 76
25) Isophorone	7.27	82	376949	36.475	ng	# 64
32) Benzoic acid	7.78	122	1456	7.205	ng	# 27
49) Dimethylphthalate	9.46	163	189940	18.064	ng	# 99
64) 4,6-Dinitro-2-methylphenol	10.36	198	153	6.658	ng	# 1
70) Phenanthrene	11.24	178	65403	5.494	ng	# 92
74) Fluoranthene	12.44	202	171553	13.484	ng	# 92
77) Pyrene	12.66	202	159712	11.126	ng	# 92
80) Benzo(a)anthracene	13.85	228	71463	5.924	ng	# 75
82) Chrysene	13.89	228	85946	7.188	ng	# 82
85) Indeno(1,2,3-cd)pyrene	16.62	276	32333	3.336	ng	# 94
87) Benzo(b)fluoranthene	14.87	252	107181	11.982	ng	# 61
88) Benzo(k)fluoranthene	14.87	252	107181	12.627	ng	# 65
89) Benzo(a)pyrene	15.22	252	55576	6.895	ng	# 61
91) Benzo(g,h,i)perylene	17.02	276	34971	5.381	ng	# 93

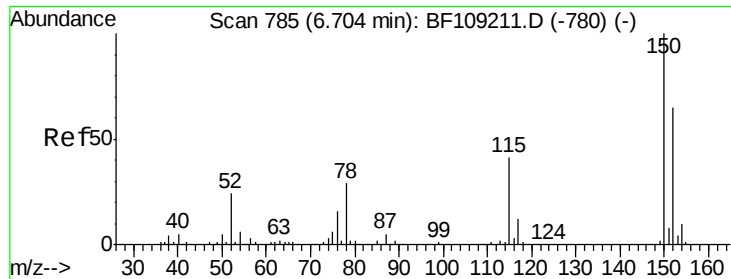
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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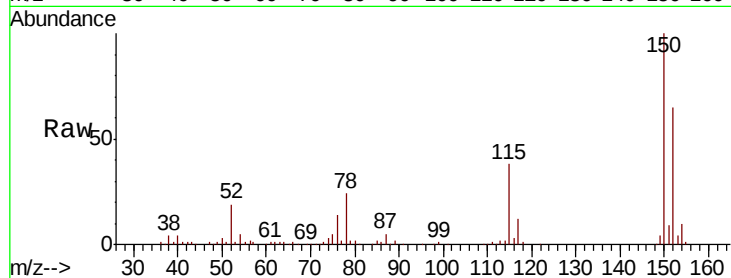




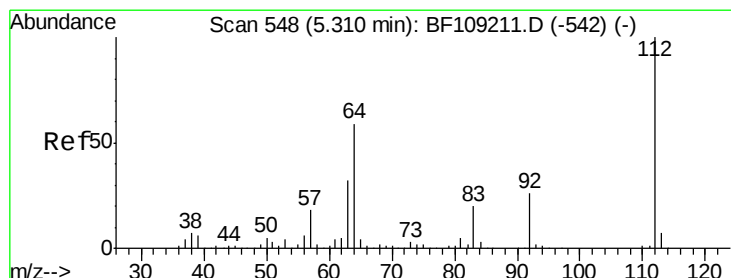
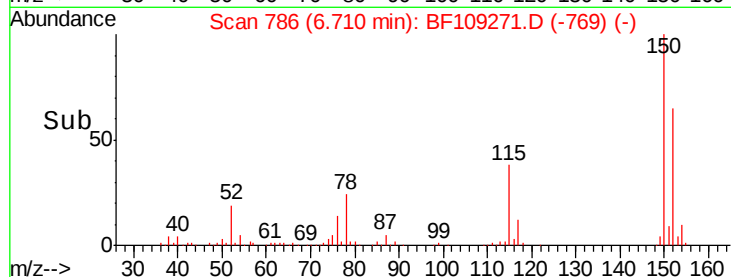
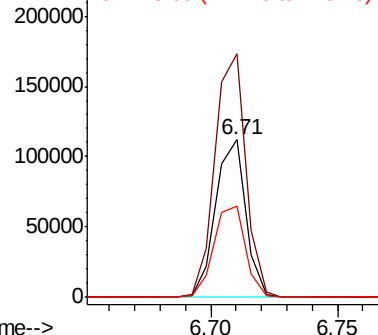
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF109271.D
 Acq: 24 Sep 2018 16:52

Instrument :
 BNA_F
 ClientSampleId :
 RA-091918-NORTHEX-WW-062

Tgt Ion:152 Resp: 92769
 Ion Ratio Lower Upper
 152 100
 150 154.6 124.6 186.8
 115 58.0 50.1 75.1

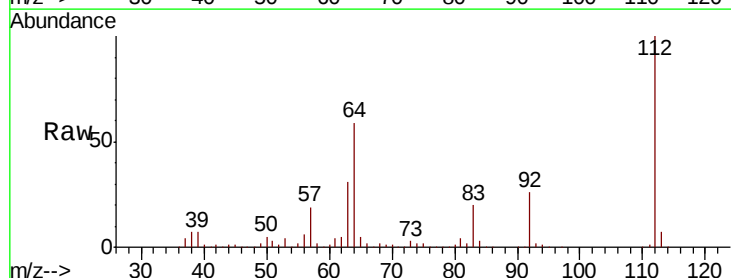


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

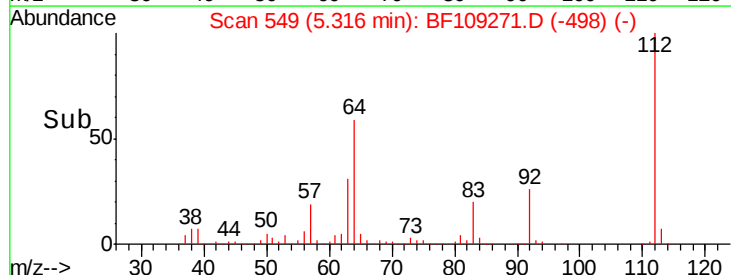
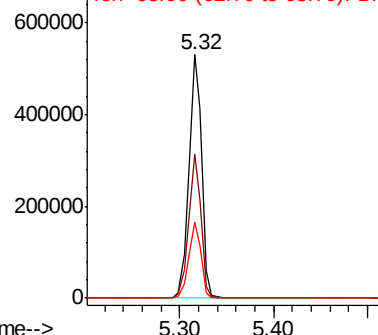


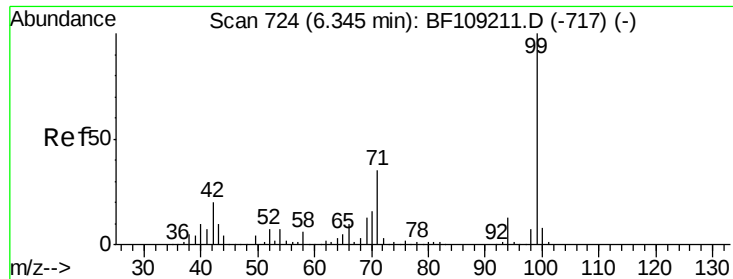
#5
 2-Fluorophenol
 Concen: 90.191 ng
 RT: 5.32 min Scan# 549
 Delta R.T. 0.00 min
 Lab File: BF109271.D
 Acq: 24 Sep 2018 16:52

Tgt Ion:112 Resp: 507987
 Ion Ratio Lower Upper
 112 100
 64 59.2 47.9 71.9
 63 31.4 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: 87.588 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109271.D

Acq: 24 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

RA-091918-NORTHEX-WW-062

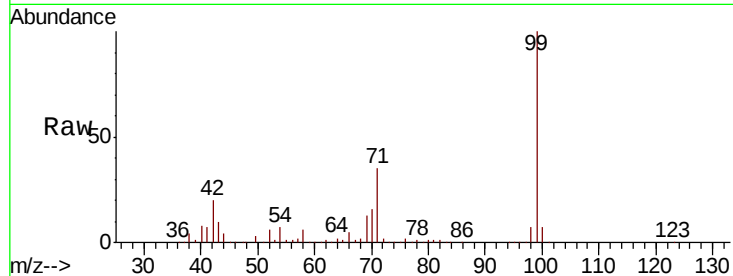
Tgt Ion: 99 Resp: 629504

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

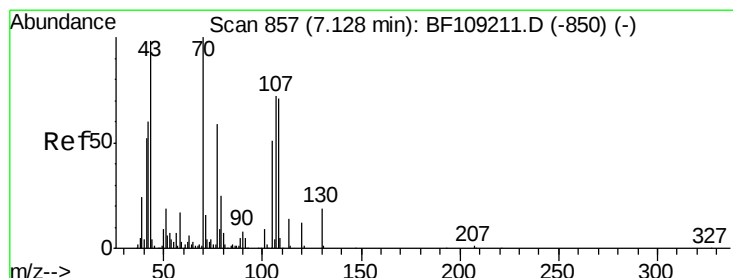
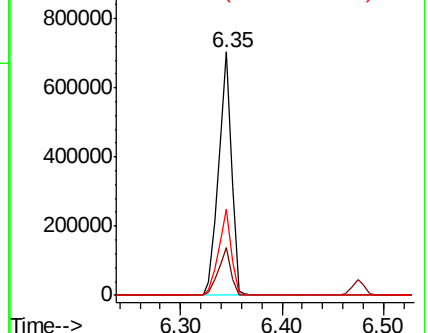
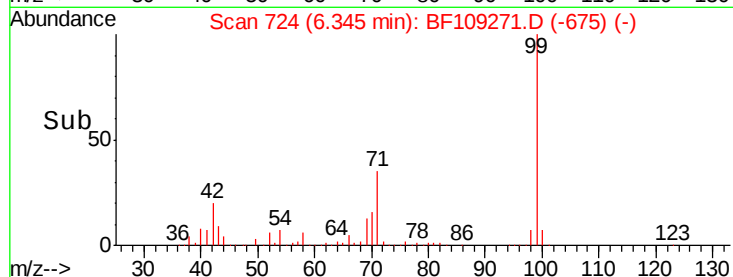
71 35.1 25.4 38.0



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: 11.300 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109271.D

Acq: 24 Sep 2018 16:52

Tgt Ion: 70 Resp: 53217

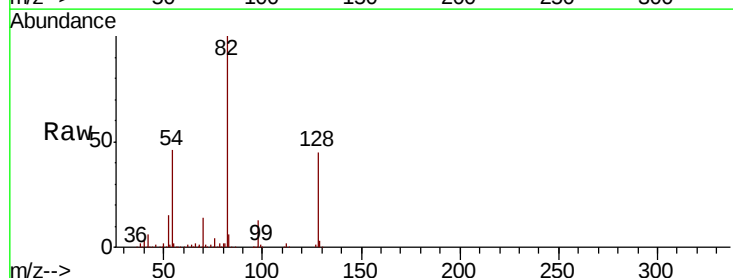
Ion Ratio Lower Upper

70 100

42 45.3 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

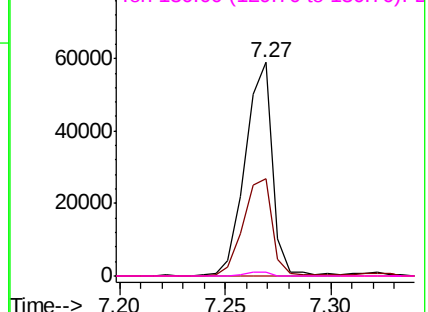
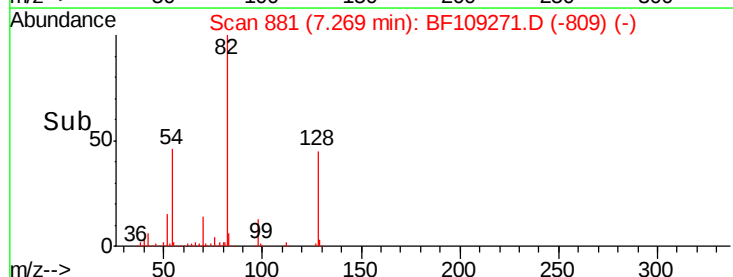


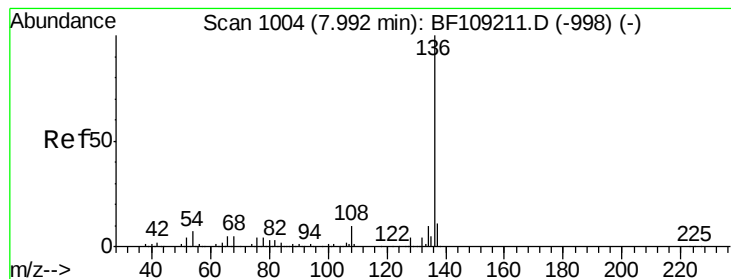
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF109271.D

Acq: 24 Sep 2018 16:52

Instrument :

BNA_F

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RA-091918-NORTHEX-WW-062

Tgt Ion:136 Resp: 338779

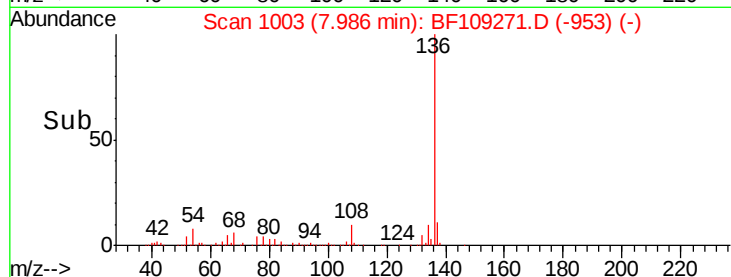
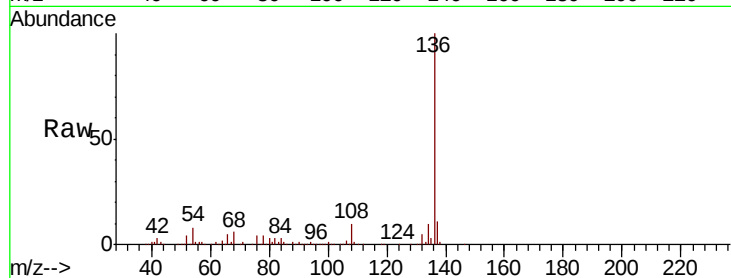
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.6 6.6 9.8

68 6.1 5.0 7.4

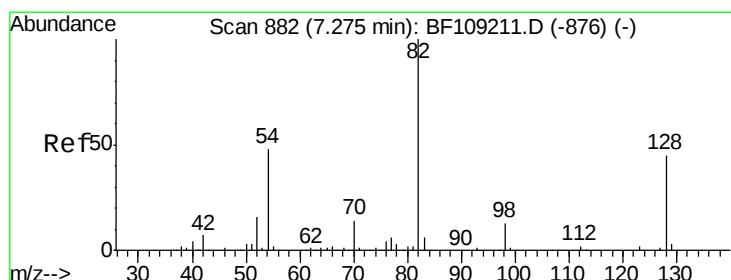
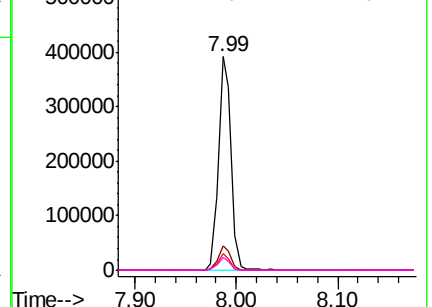


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.053 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109271.D

Acq: 24 Sep 2018 16:52

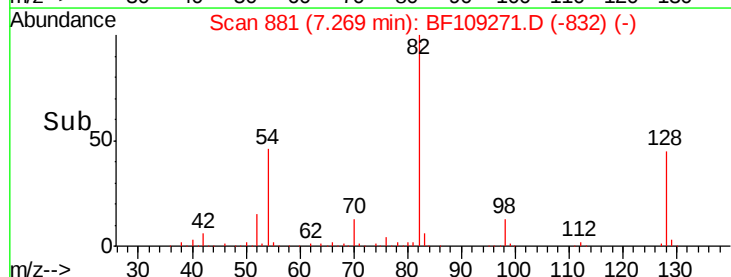
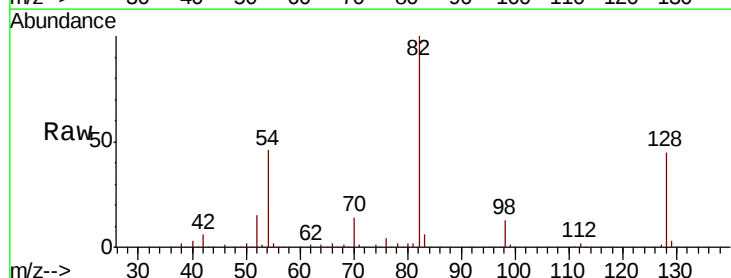
Tgt Ion: 82 Resp: 390550

Ion Ratio Lower Upper

82 100

128 45.3 36.1 54.1

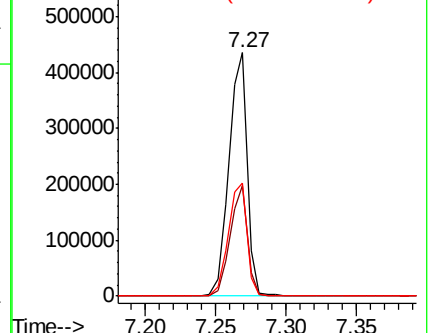
54 46.2 41.4 62.2

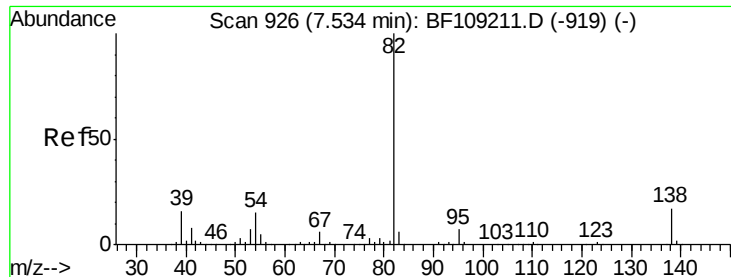


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.475 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109271.D

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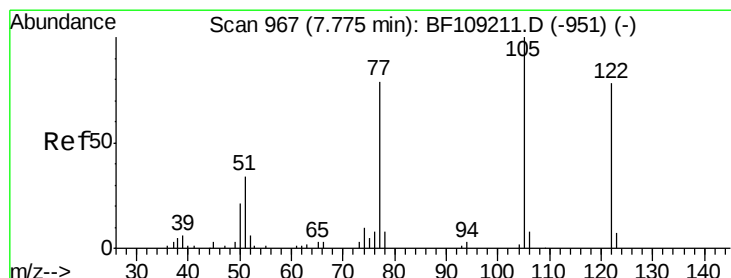
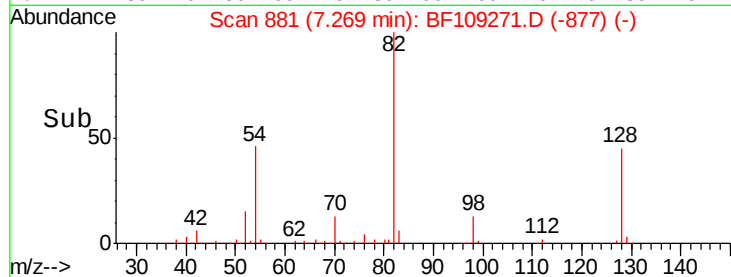
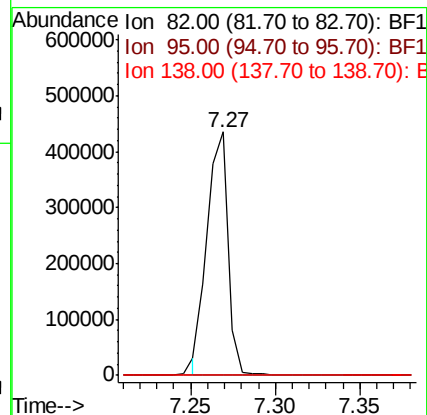
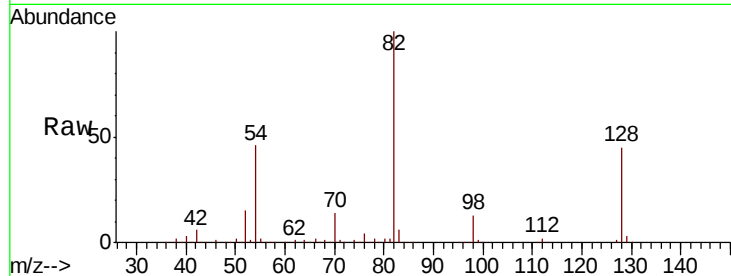
Tgt Ion: 82 Resp: 376949

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 7.205 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.04 min

Lab File: BF109271.D

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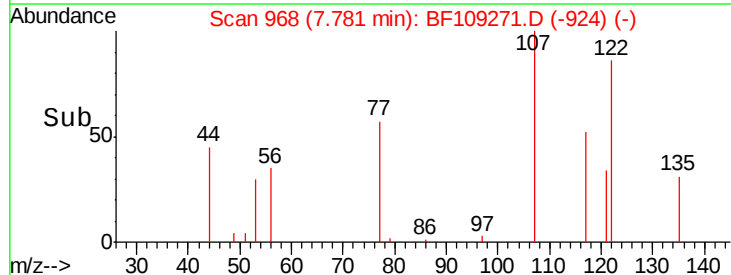
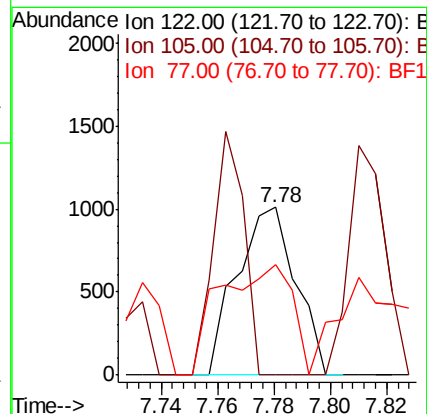
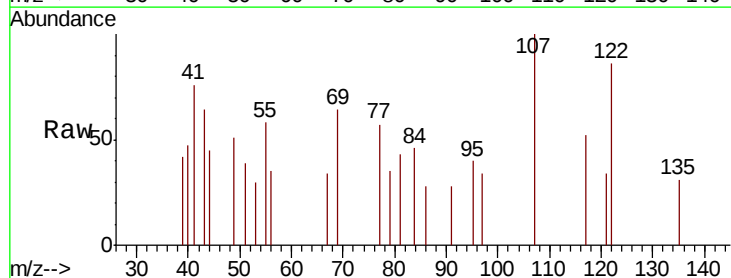
Tgt Ion: 122 Resp: 1456

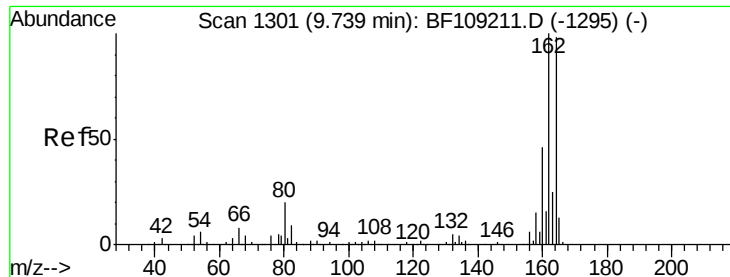
Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

77 65.7 70.7 110.7#

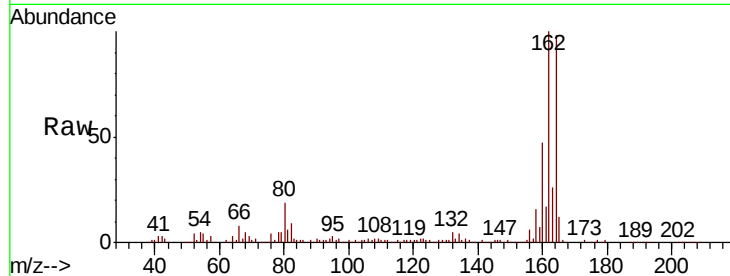




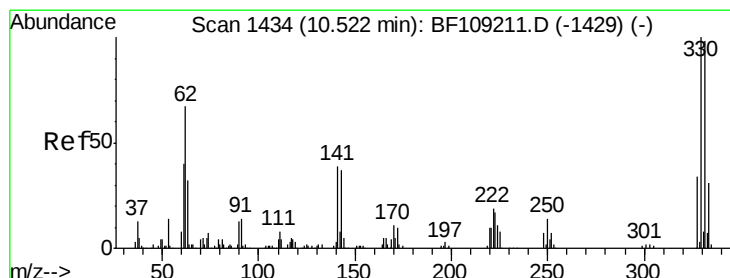
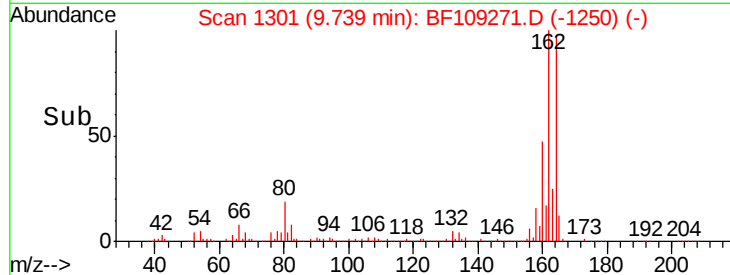
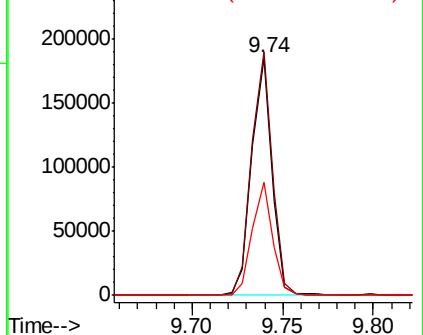
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BF109271.D
 Acq: 24 Sep 2018 16:52

Instrument :
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 RA-091918-NORTHEX-WW-062

Tgt Ion:164 Resp: 144566
 Ion Ratio Lower Upper
 164 100
 162 102.6 86.1 129.1
 160 47.8 38.3 57.5

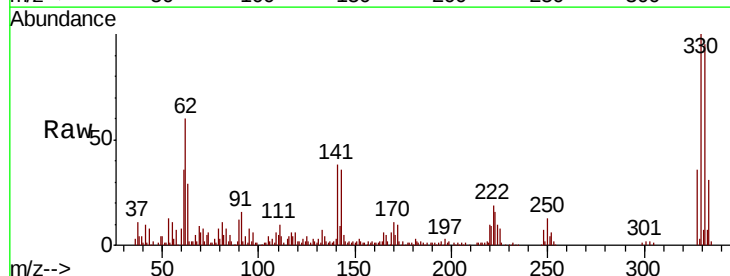


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

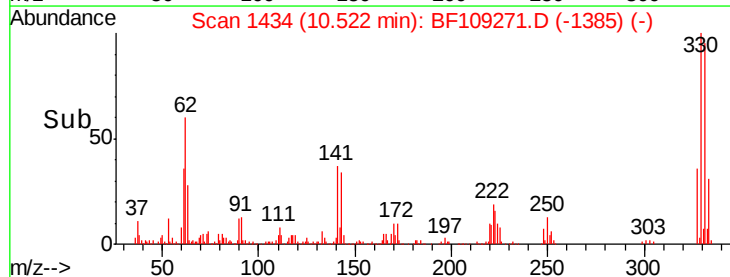
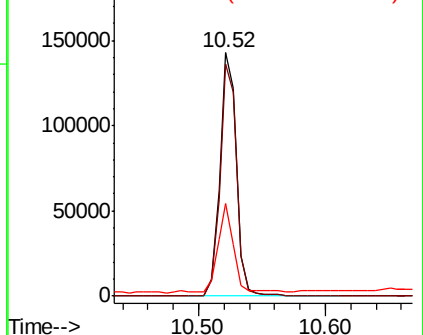


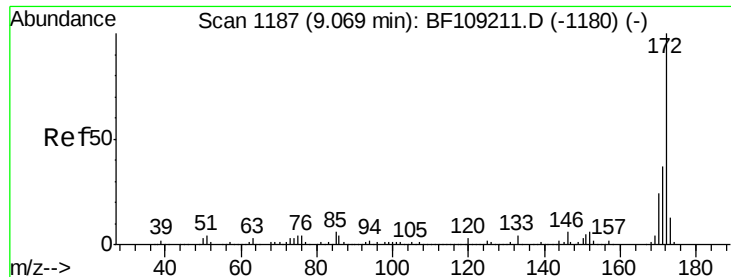
#41
 2,4,6-Tribromophenol
 Concen: 92.128 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109271.D
 Acq: 24 Sep 2018 16:52

Tgt Ion:330 Resp: 131294
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 32.5 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

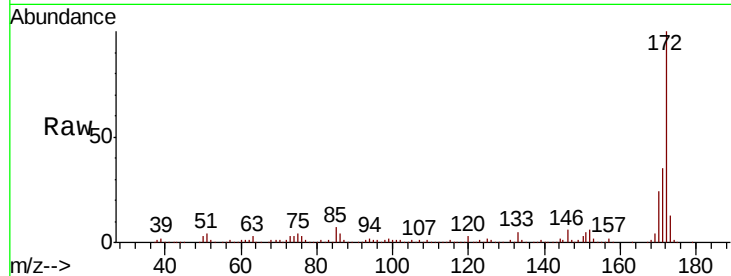




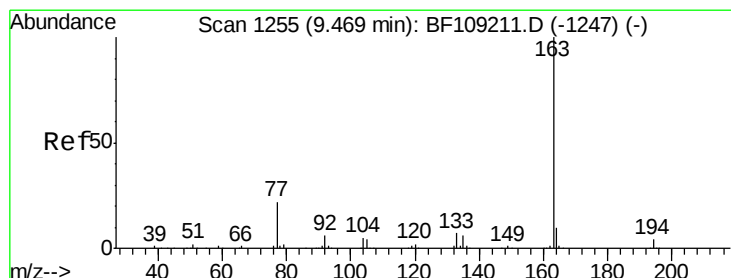
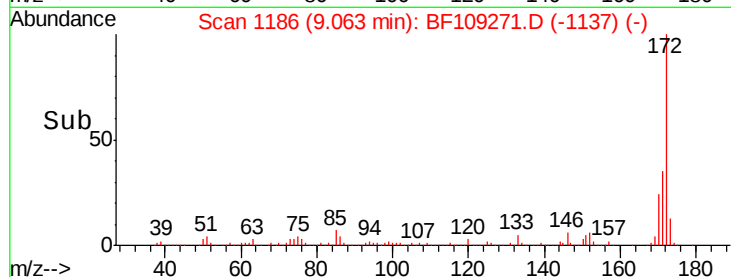
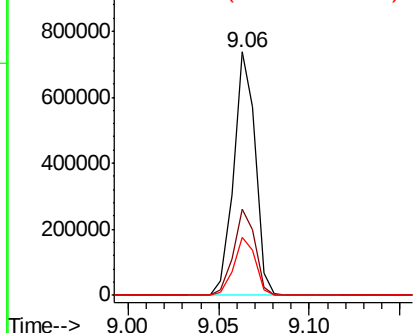
#44
 2-Fluorobiphenyl
 Concen: 64.164 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109271.D
 Acq: 24 Sep 2018 16:52

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 RA-091918-NORTHEX-WW-062

Tgt Ion:172 Resp: 615041
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 23.8 19.6 29.4

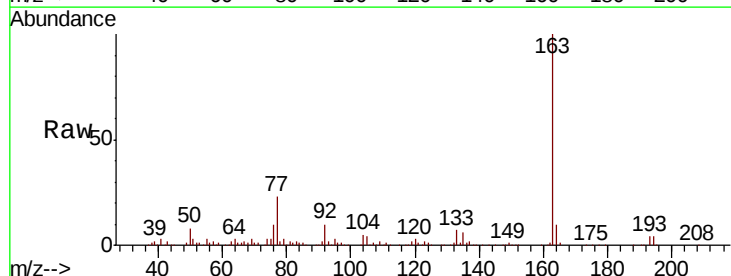


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

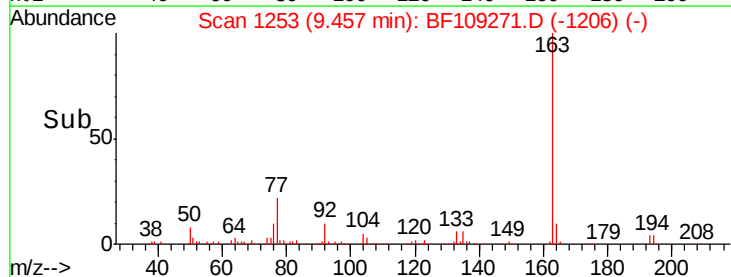
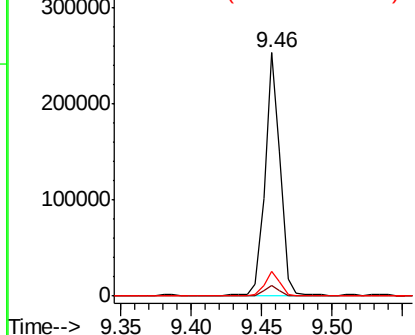


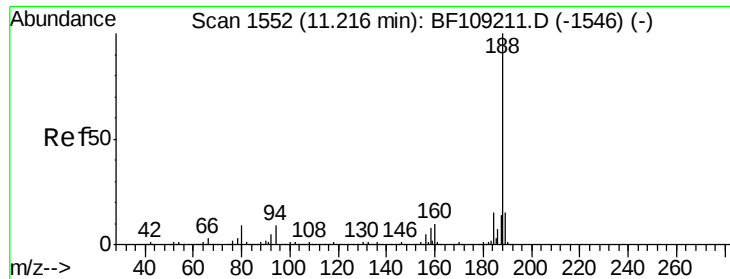
#49
 Dimethylphthalate
 Concen: 18.064 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF109271.D
 Acq: 24 Sep 2018 16:52

Tgt Ion:163 Resp: 189940
 Ion Ratio Lower Upper
 163 100
 194 4.4 2.7 4.1#
 164 10.0 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

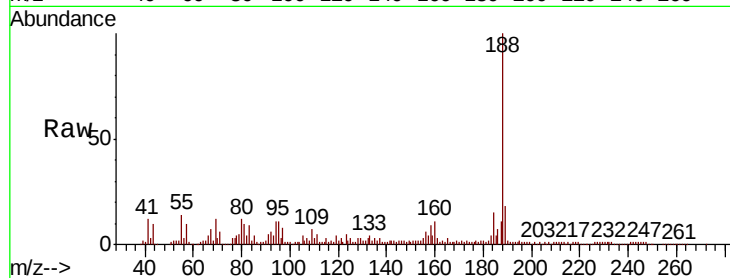




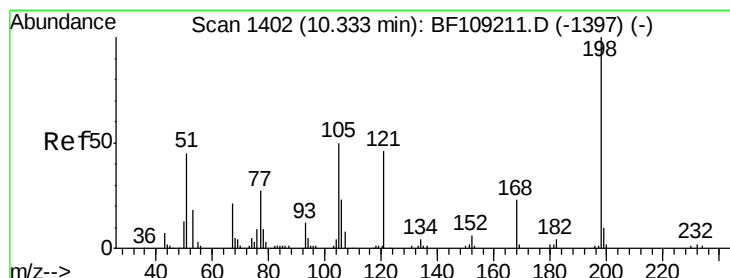
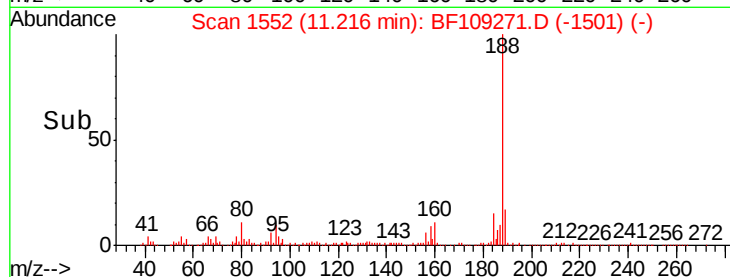
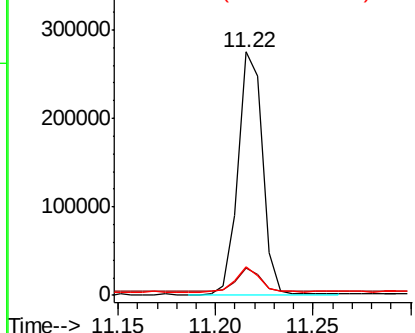
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
RA-091918-NORTHEX-WW-062

Tgt Ion:188 Resp: 238437
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 11.8 9.2 13.8

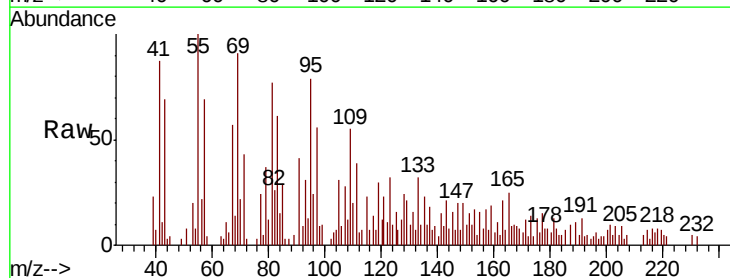


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

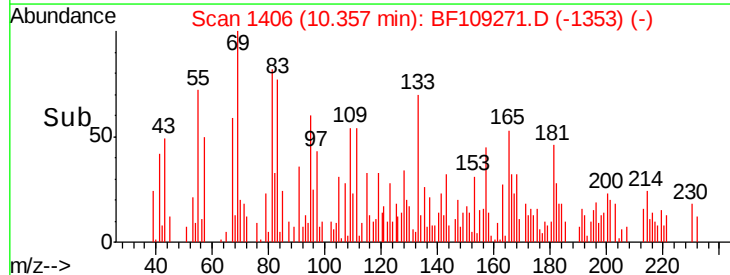
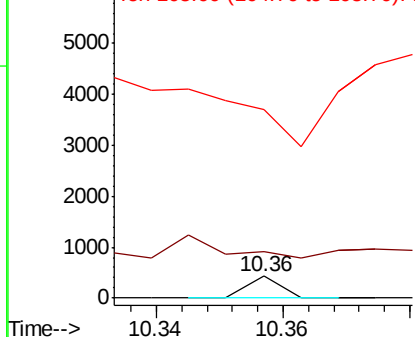


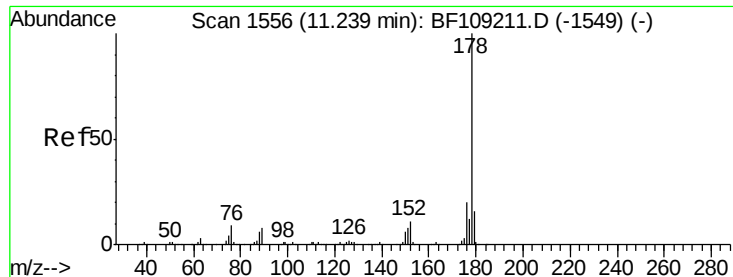
#64
4,6-Dinitro-2-methylphenol
Concen: 6.658 ng
RT: 10.36 min Scan# 1406
Delta R.T. 0.01 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

Tgt Ion:198 Resp: 153
Ion Ratio Lower Upper
198 100
51 207.8 37.7 77.7#
105 851.6 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

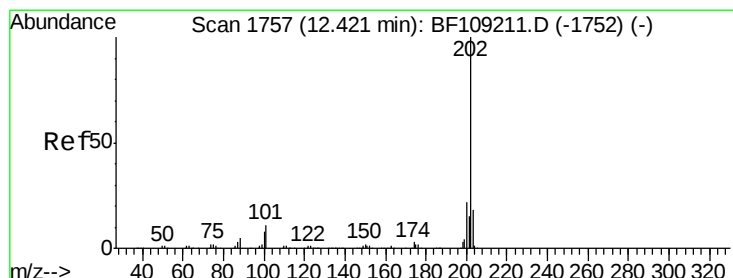
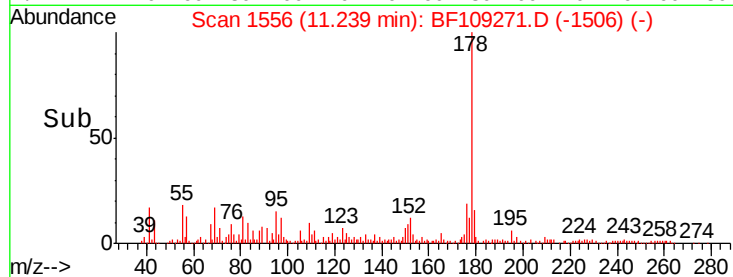
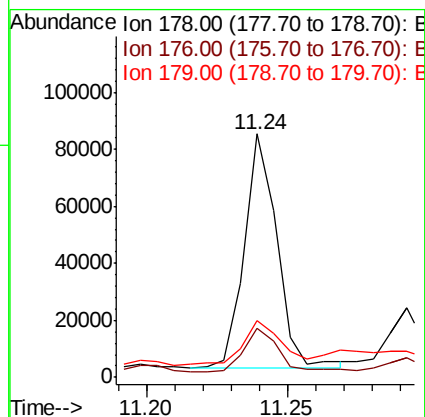
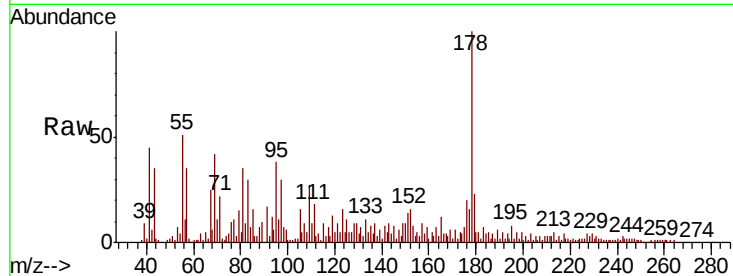




#70
Phenanthrene
Concen: 5.494 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

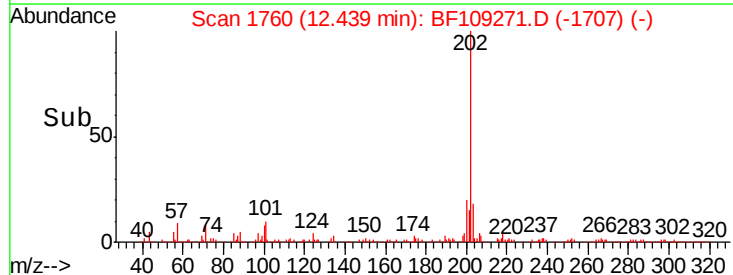
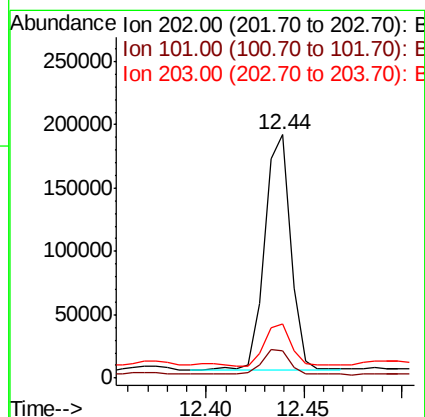
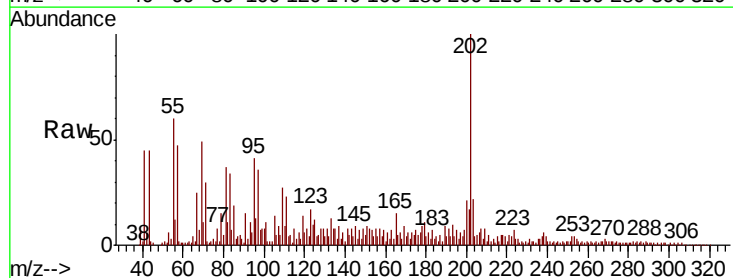
Instrument :
BNA_F
ClientSampleId :
RA-091918-NORTHEX-WW-062

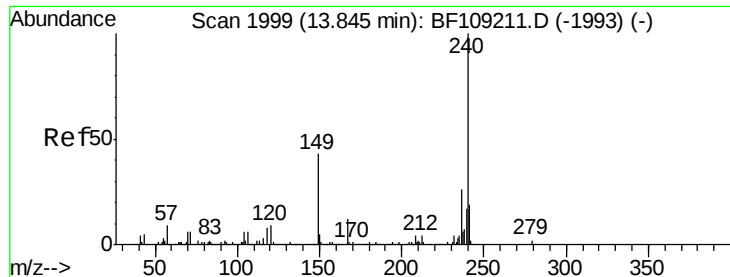
Tgt Ion:178 Resp: 65403
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 23.4 13.0 19.6#



#74
Fluoranthene
Concen: 13.484 ng
RT: 12.44 min Scan# 1760
Delta R.T. 0.01 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

Tgt Ion:202 Resp: 171553
Ion Ratio Lower Upper
202 100
101 11.0 0.0 34.1
203 22.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.02 min

Lab File: BF109271.D

Acq: 24 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

RA-091918-NORTHEX-WW-062

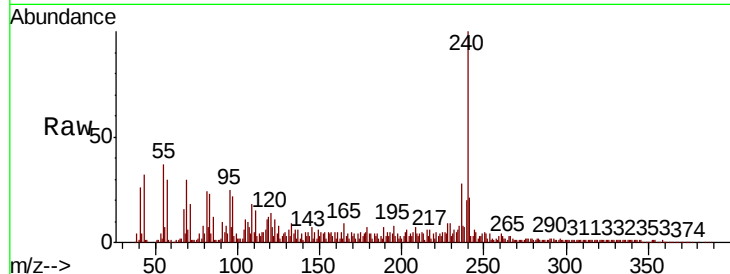
Tgt Ion:240 Resp: 200289

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

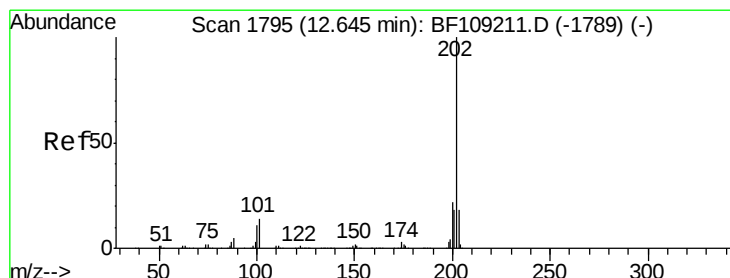
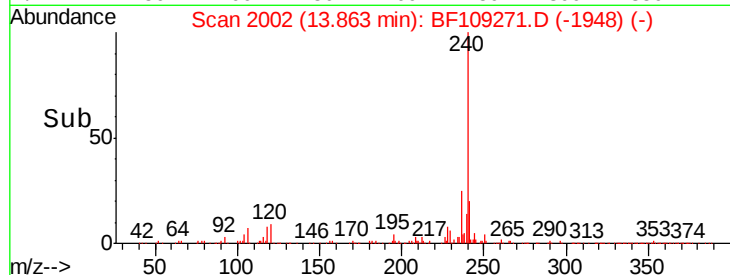
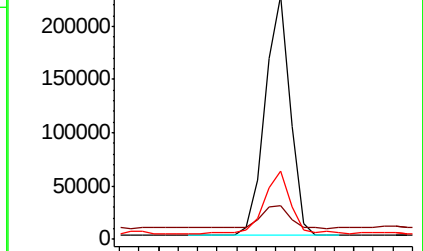
236 28.1 20.7 31.1



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: 11.126 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.01 min

Lab File: BF109271.D

Acq: 24 Sep 2018 16:52

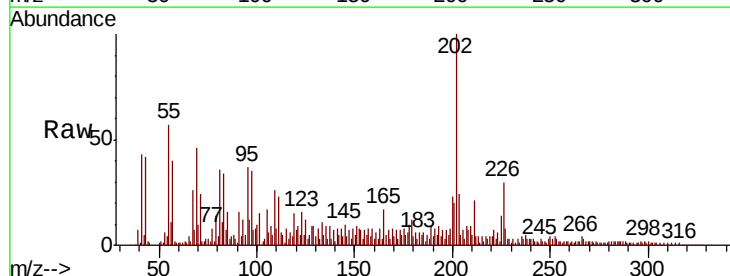
Tgt Ion:202 Resp: 159712

Ion Ratio Lower Upper

202 100

200 23.1 17.4 26.2

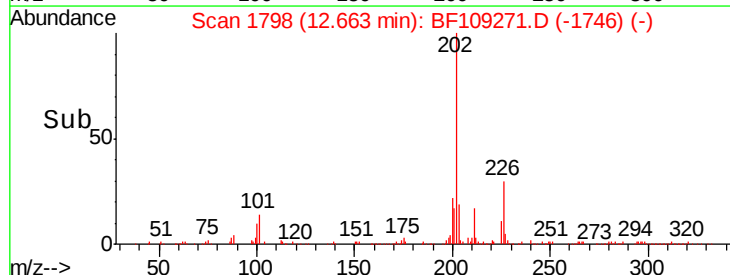
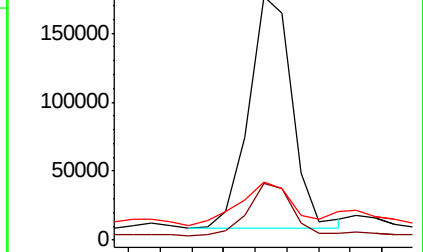
203 23.9 14.3 21.5#

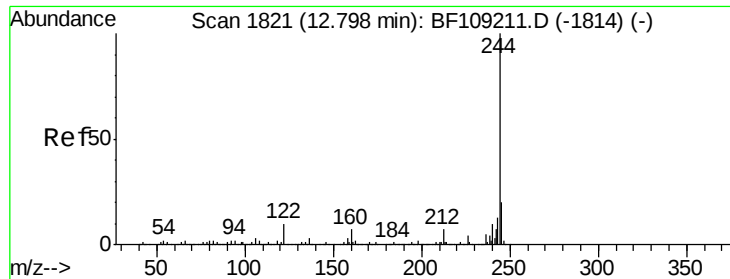


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 53.791 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF109271.D

Acq: 24 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

RA-091918-NORTHEX-WW-062

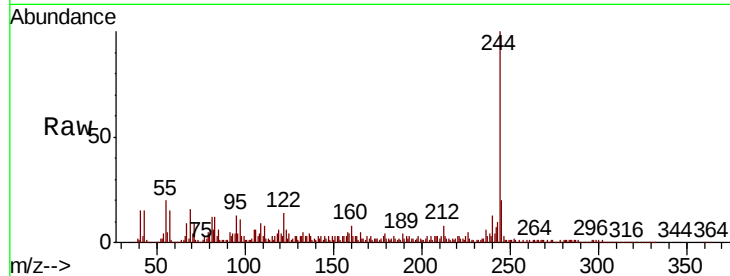
Tgt Ion:244 Resp: 438999

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

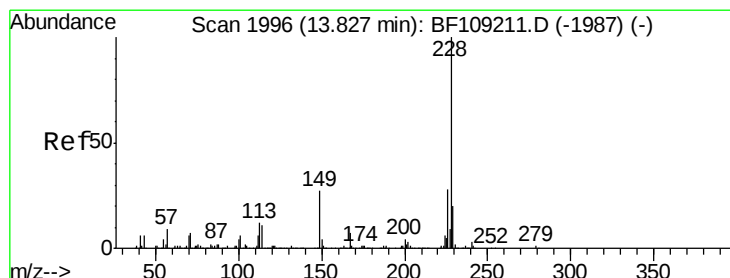
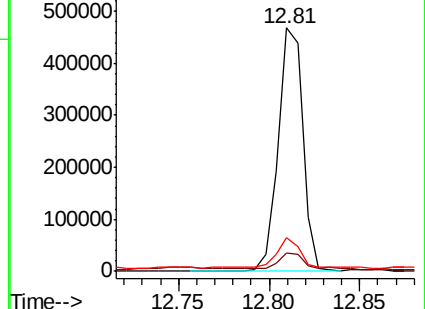
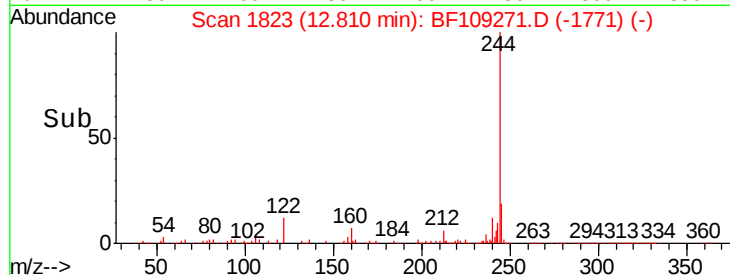
122 13.6 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 5.924 ng

RT: 13.85 min Scan# 2000

Delta R.T. 0.02 min

Lab File: BF109271.D

Acq: 24 Sep 2018 16:52

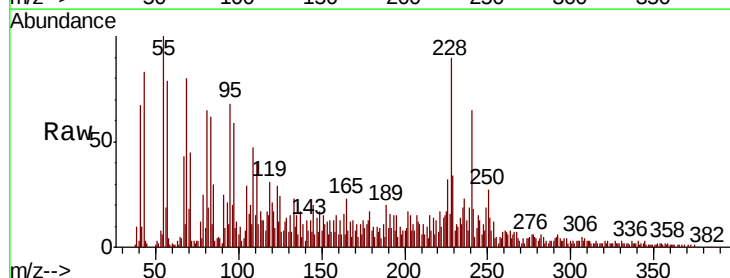
Tgt Ion:228 Resp: 71463

Ion Ratio Lower Upper

228 100

226 35.7 22.6 33.8#

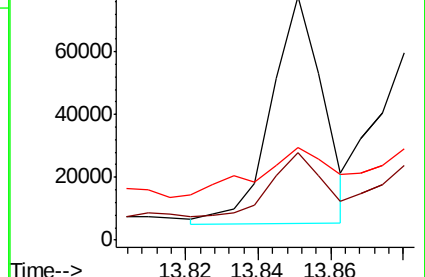
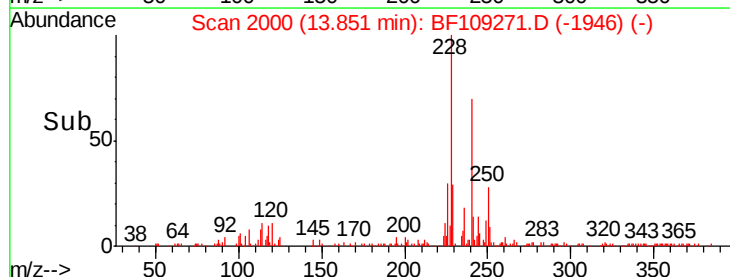
229 38.0 15.8 23.6#

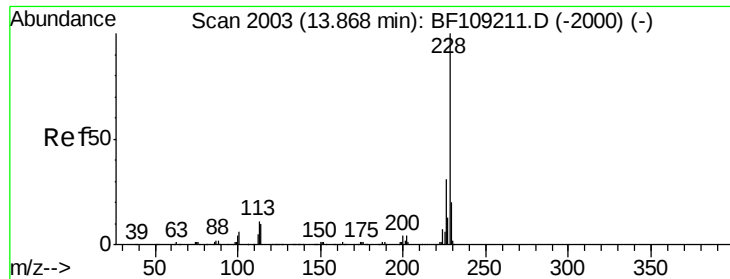


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.188 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF109271.D

Acq: 24 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

RA-091918-NORTHEX-WW-062

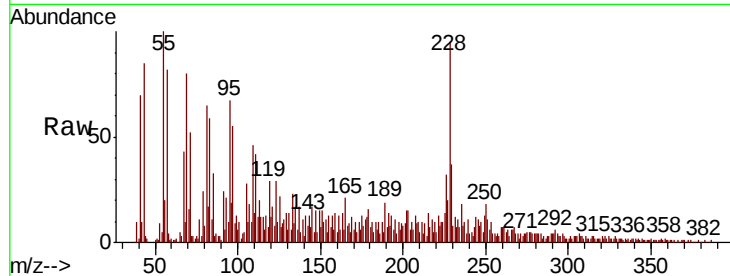
Tgt Ion:228 Resp: 85946

Ion Ratio Lower Upper

228 100

226 33.6 25.0 37.6

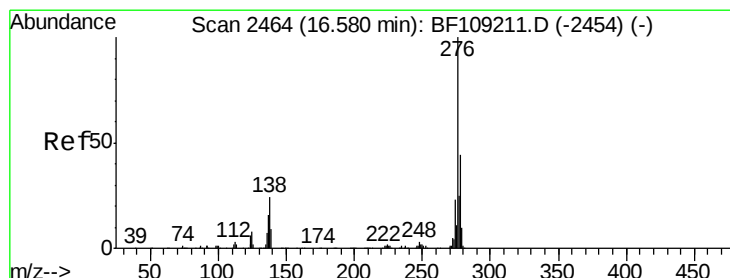
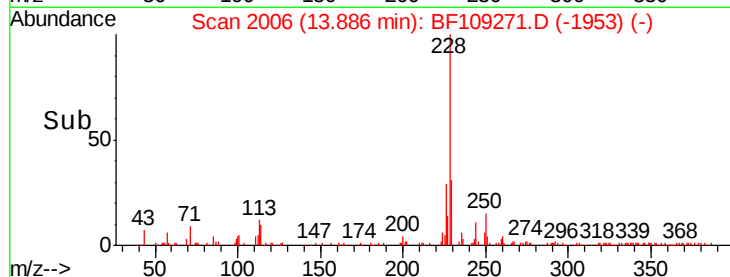
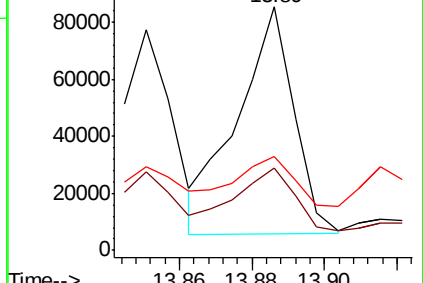
229 38.8 16.2 24.4#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.336 ng

RT: 16.62 min Scan# 2470

Delta R.T. 0.02 min

Lab File: BF109271.D

Acq: 24 Sep 2018 16:52

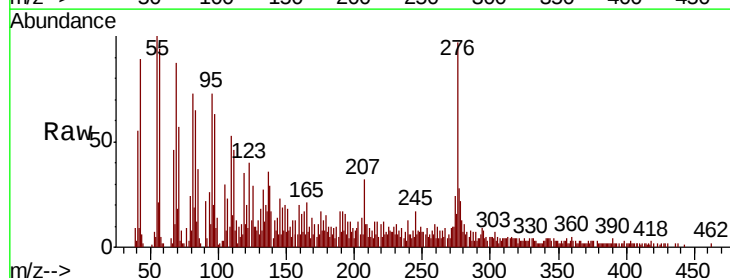
Tgt Ion:276 Resp: 32333

Ion Ratio Lower Upper

276 100

138 25.0 25.0 37.6#

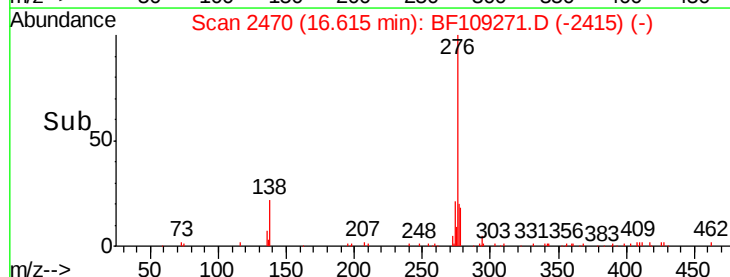
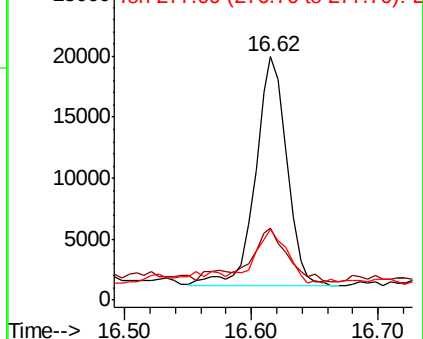
277 25.0 20.1 30.1

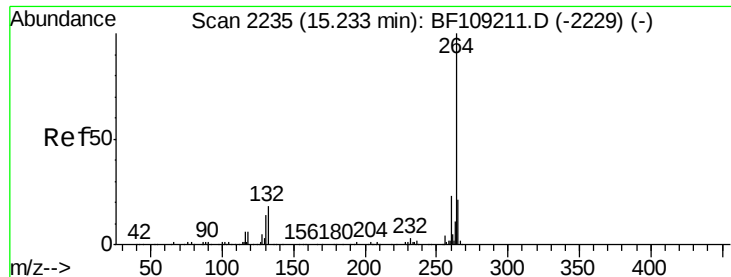


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



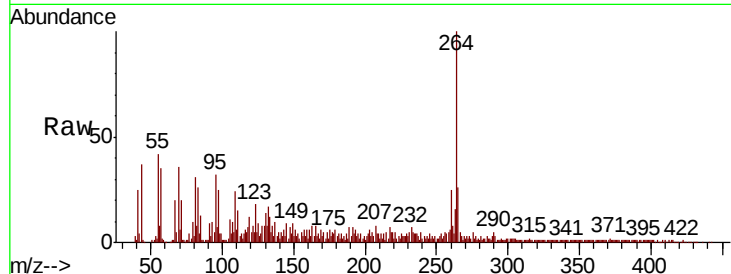


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.04 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

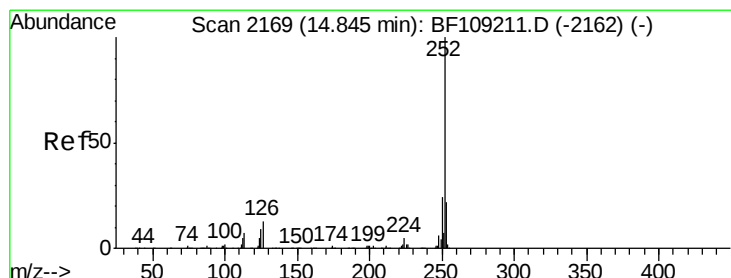
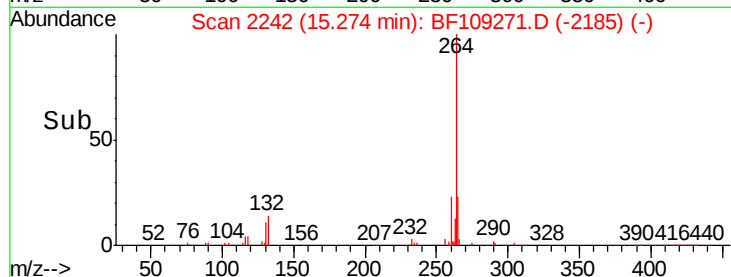
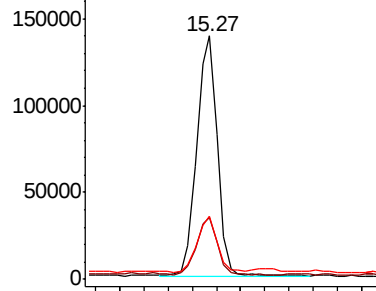
Instrument :
BNA_F
ClientSampleId :
RA-091918-NORTHEX-WW-062

Tgt Ion: 264 Resp: 162783

Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	25.8	17.5	26.3



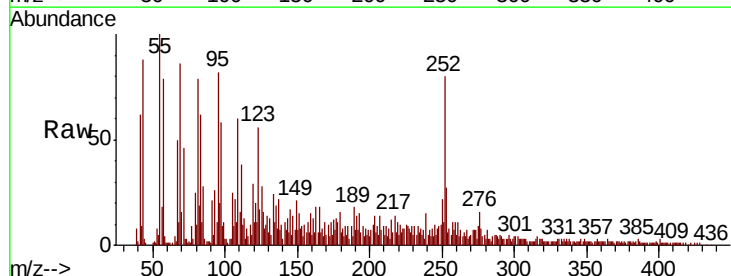
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



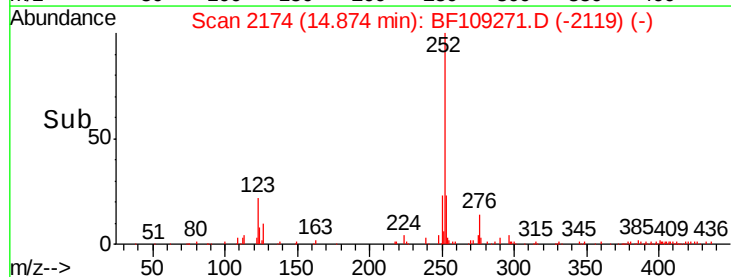
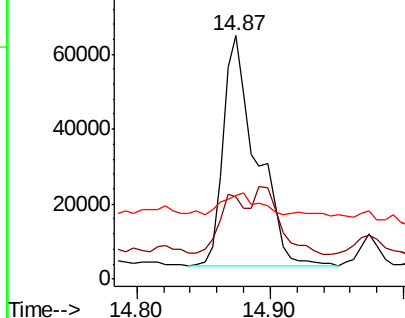
#87
Benzo(b)fluoranthene
Concen: 11.982 ng
RT: 14.87 min Scan# 2174
Delta R.T. 0.02 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

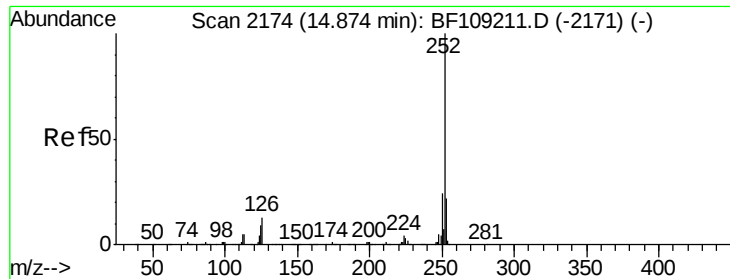
Tgt Ion: 252 Resp: 107181

Ion	Ratio	Lower	Upper
252	100		
253	34.0	17.0	25.6#
125	34.6	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

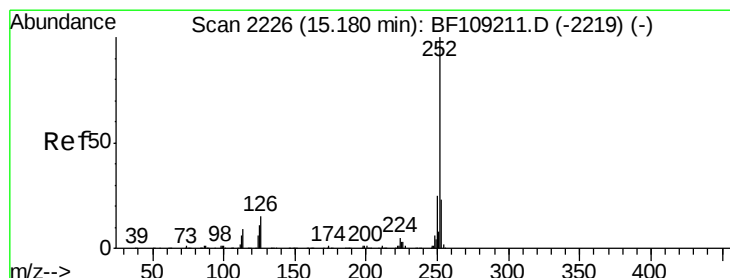
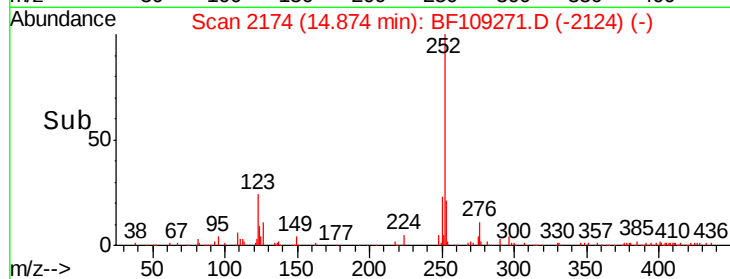
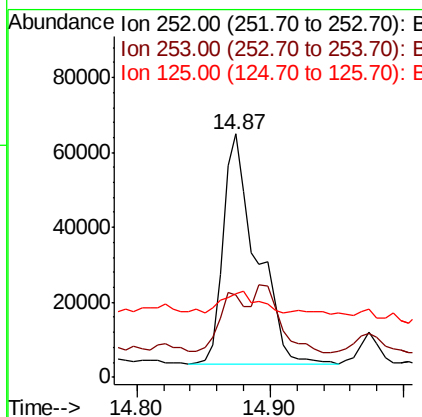
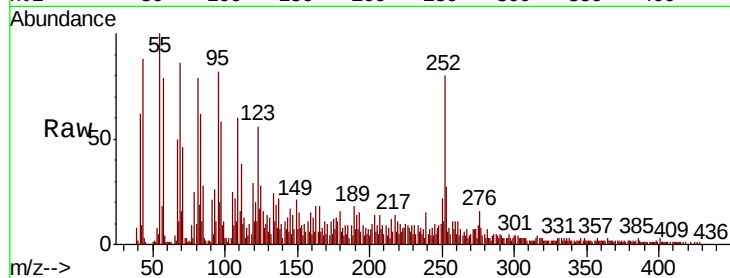




#88
Benzo(k)fluoranthene
Concen: 12.627 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

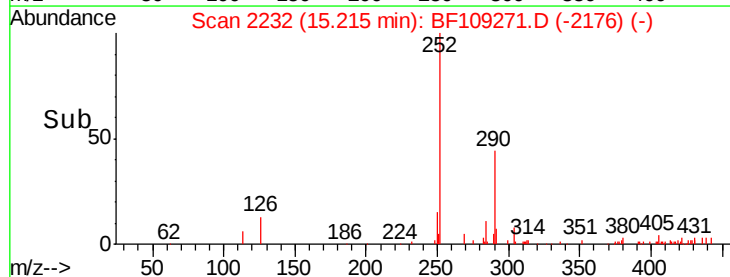
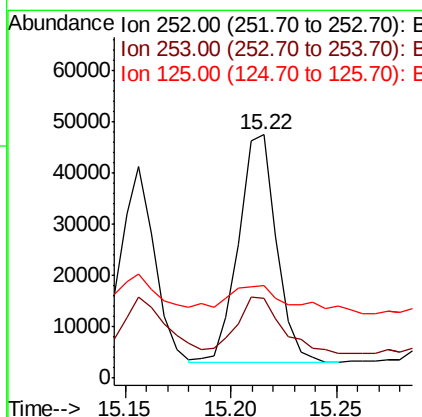
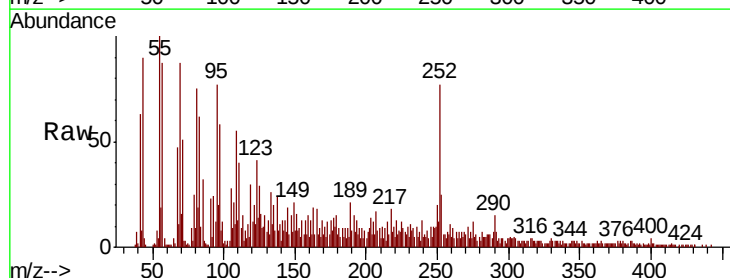
Instrument :
BNA_F
ClientSampleId :
RA-091918-NORTHEX-WW-062

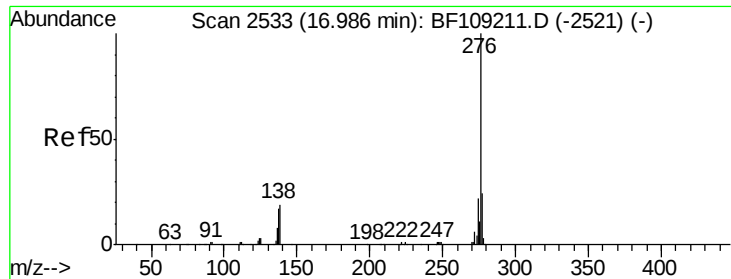
Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.0	17.9	26.9#
125	34.6	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 6.895 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.03 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.5	17.1	25.7#
125	38.0	9.8	14.6#

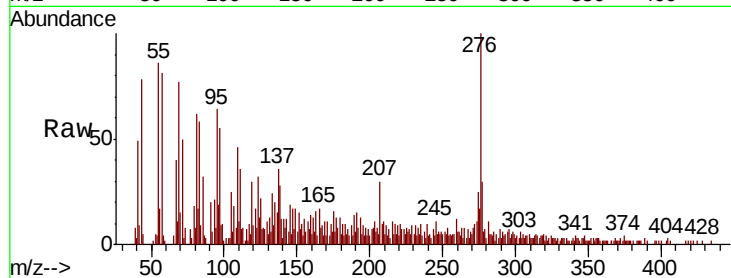




#91
 Benzo(g,h,i)perylene
 Concen: 5.381 ng
 RT: 17.02 min Scan# 2539
 Delta R.T. 0.02 min
 Lab File: BF109271.D
 Acq: 24 Sep 2018 16:52

Instrument :
 BNA_F
 ClientSampleId :
 RA-091918-NORTHEX-WW-062

Tgt Ion: 276 Resp: 34971
 Ion Ratio Lower Upper
 276 100
 277 29.9 17.9 26.9#
 138 27.7 21.8 32.8



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

