

Data File : BF109342.D
Acq On : 26 Sep 2018 17:45
Operator : JU/SJ
Sample : J5070-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CS-RT-4005

Quant Time: Sep 27 05:38:24 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	100525	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	387824	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	184534	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	343084	20.00	ng	0.00
75) Chrysene-d12	13.84	240	244601	20.00	ng	0.00
86) Perylene-d12	15.24	264	276215	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	520060	85.21	ng	0.00
7) Phenol-d6	6.35	99	671510	86.22	ng	-0.01
23) Nitrobenzene-d5	7.26	82	418727	63.74	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	174605	95.98	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	742784	60.71	ng	-0.01
78) Terphenyl-d14	12.79	244	612476	61.45	ng	-0.01

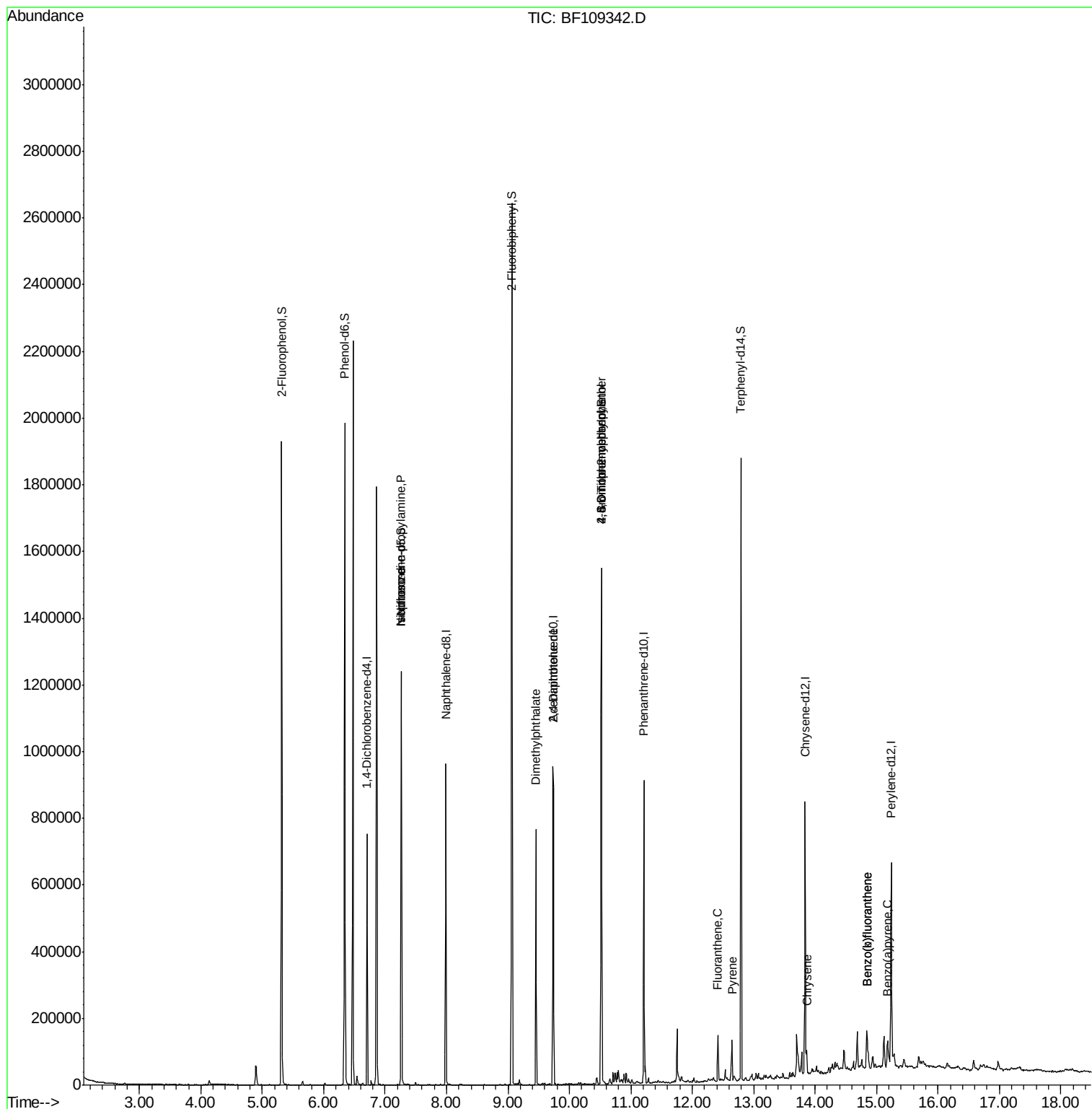
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.26	70	55947	10.963	ng	# 77
25) Isophorone	7.26	82	390945	33.046	ng	# 64
49) Dimethylphthalate	9.46	163	270684	20.168	ng	99
56) 2,4-Dinitrotoluene	9.73	165	23386	6.953	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	306	6.712	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	10542	2.767	ng	# 1
74) Fluoranthene	12.42	202	54010	2.950	ng	96
77) Pyrene	12.65	202	48058	2.741	ng	99
82) Chrysene	13.86	228	32726	2.241	ng	95
87) Benzo(b)fluoranthene	14.84	252	74807	4.929	ng	98
88) Benzo(k)fluoranthene	14.84	252	74807	5.194	ng	99
89) Benzo(a)pyrene	15.18	252	31079	2.272	ng	97

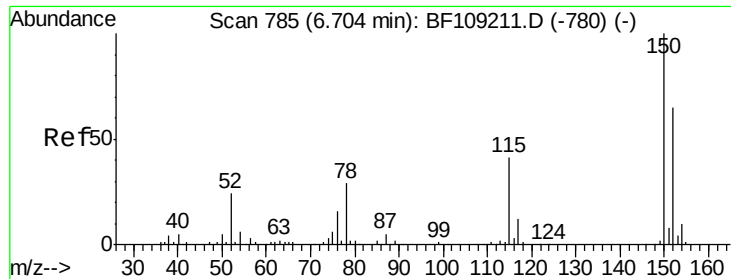
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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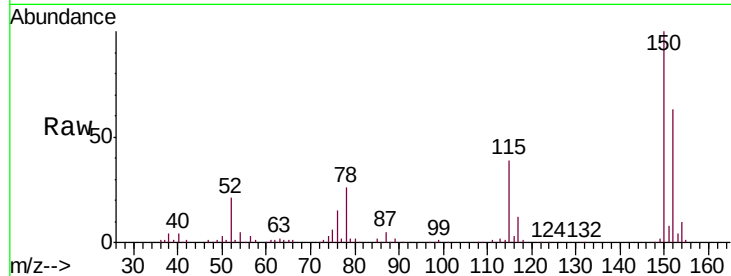


#1

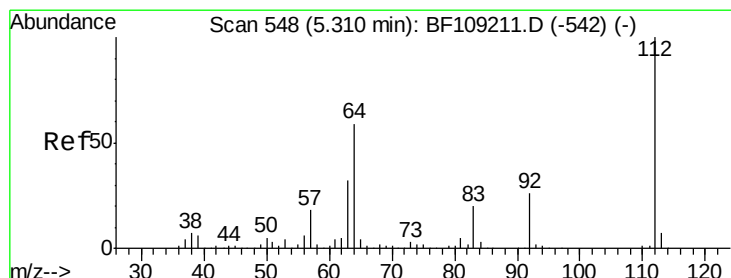
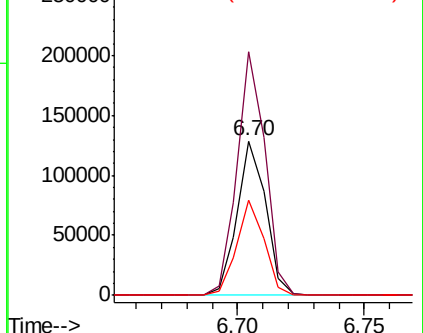
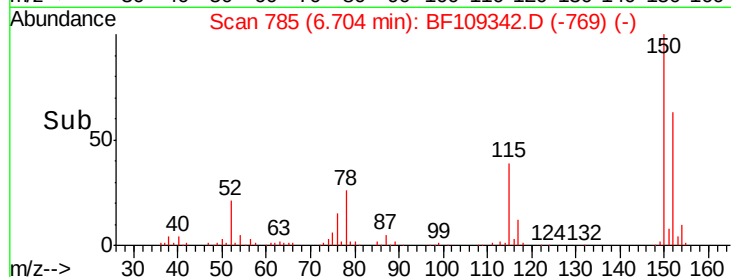
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109342.D
Acq: 26 Sep 2018 17:45

Instrument :
BNA_F
ClientSampleId :
CS-RT-4005

Tgt Ion:152 Resp: 100525
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 62.1 50.1 75.1



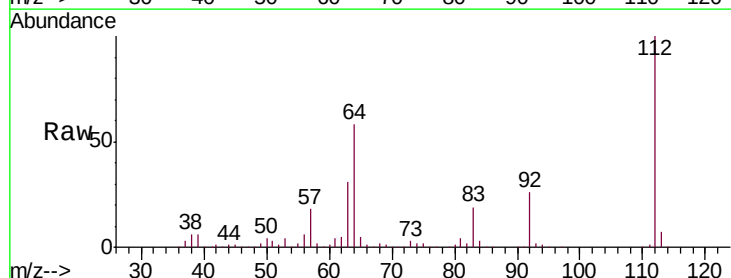
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



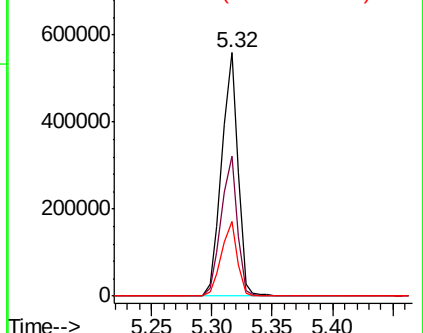
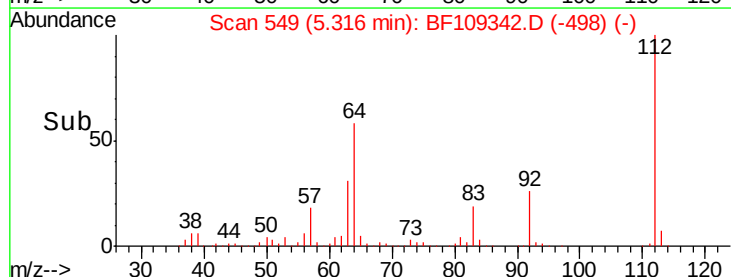
#5

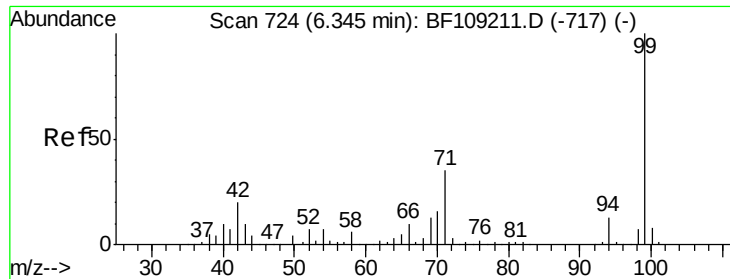
2-Fluorophenol
Concen: 85.211 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109342.D
Acq: 26 Sep 2018 17:45

Tgt Ion:112 Resp: 520060
Ion Ratio Lower Upper
112 100
64 57.6 47.9 71.9
63 30.8 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: 86.224 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109342.D

Acq: 26 Sep 2018 17:45

Instrument :

BNA_F

ClientSampleId :

CS-RT-4005

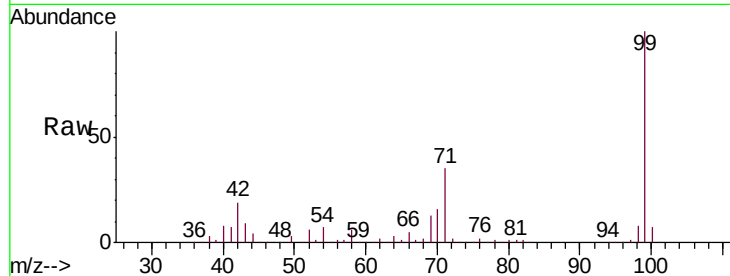
Tgt Ion: 99 Resp: 671510

Ion Ratio Lower Upper

99 100

42 19.0 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

800000

600000

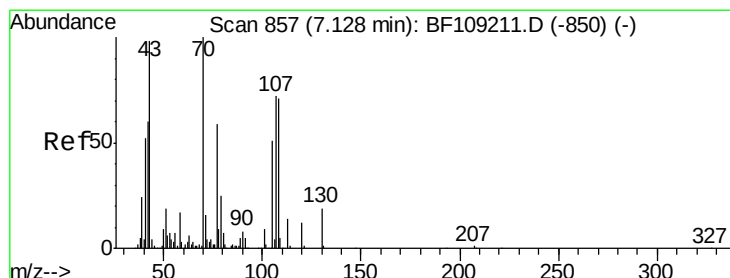
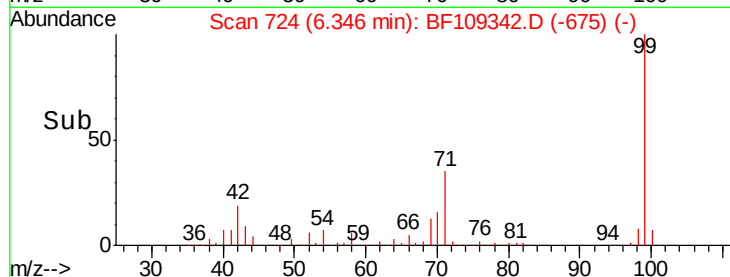
400000

200000

0

6.30 6.35 6.40 6.50

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 10.963 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109342.D

Acq: 26 Sep 2018 17:45

Tgt Ion: 70 Resp: 55947

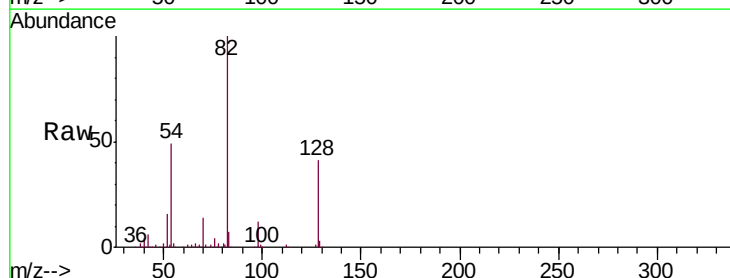
Ion Ratio Lower Upper

70 100

42 46.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 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

80000

60000

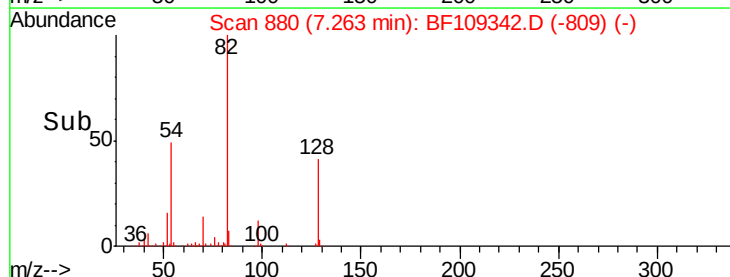
40000

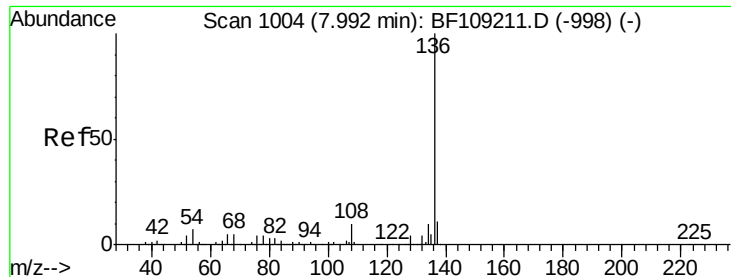
20000

0

7.20 7.25 7.30

Time-->

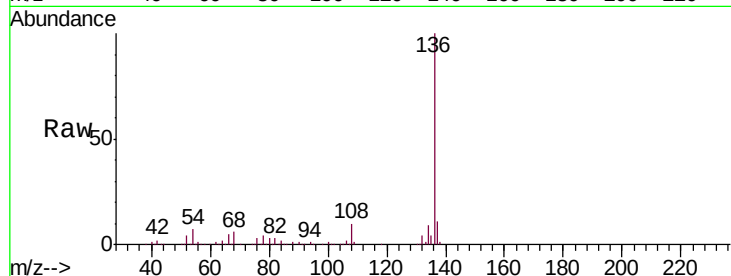




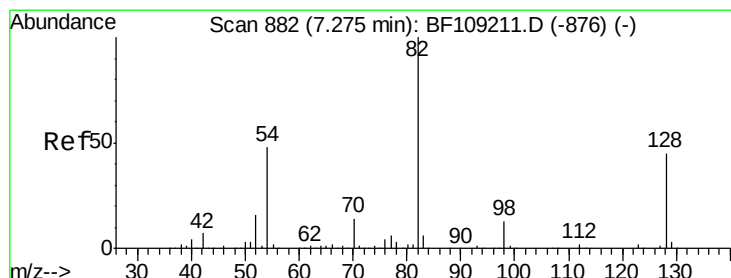
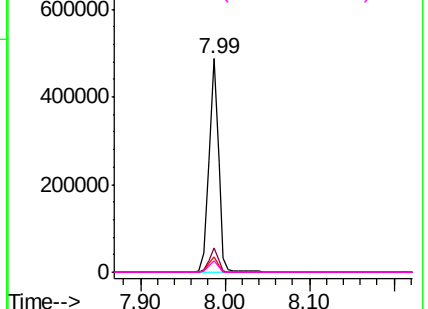
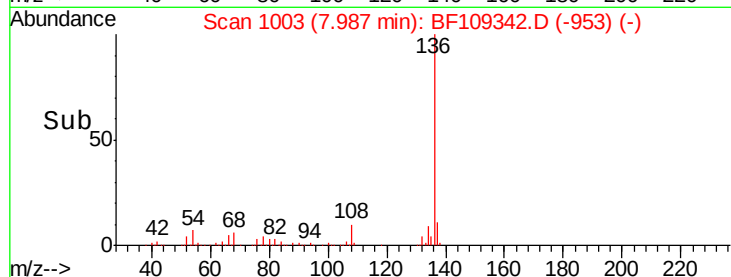
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109342.D
Acq: 26 Sep 2018 17:45

Instrument :
BNA_F
ClientSampleId :
CS-RT-4005

Tgt Ion:	136	Resp:	387824
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.0	6.6	9.8
68	5.5	5.0	7.4

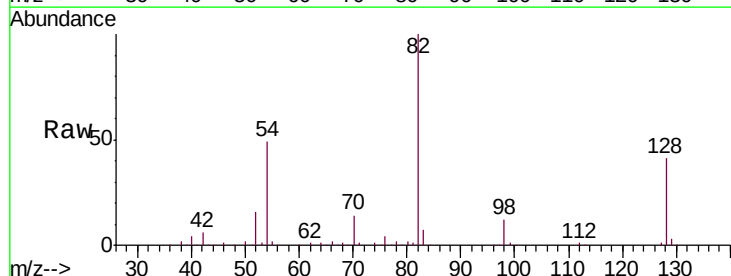


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

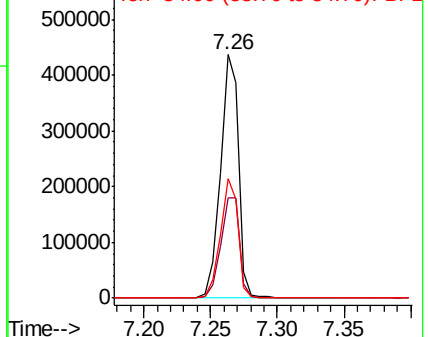
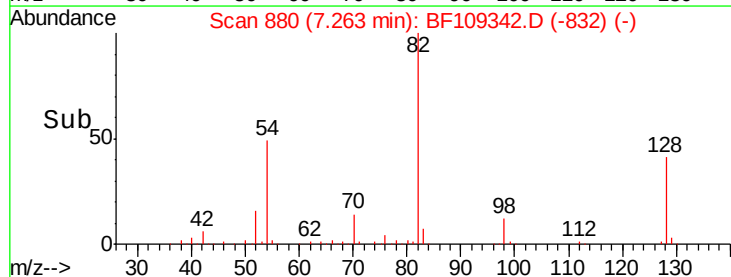


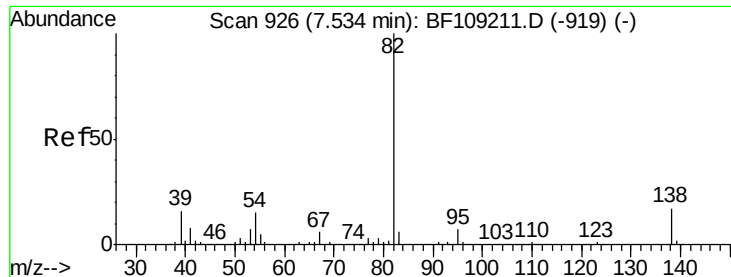
#23
Nitrobenzene-d5
Concen: 63.735 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109342.D
Acq: 26 Sep 2018 17:45

Tgt Ion:	82	Resp:	418727
Ion	Ratio	Lower	Upper
82	100		
128	41.4	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: 33.046 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109342.D

Acq: 26 Sep 2018 17:45

Instrument :

BNA_F

ClientSampleId :

CS-RT-4005

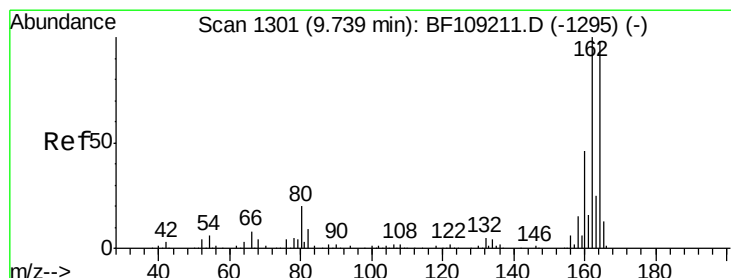
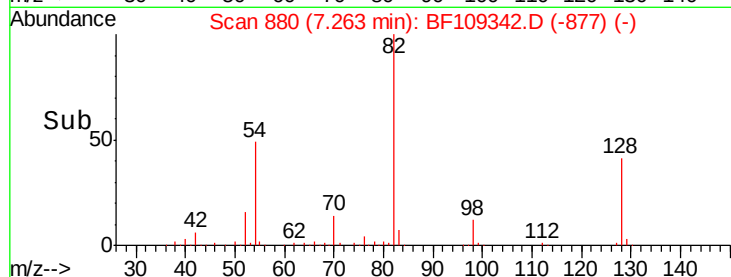
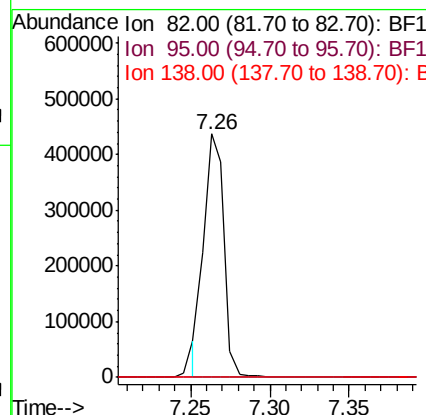
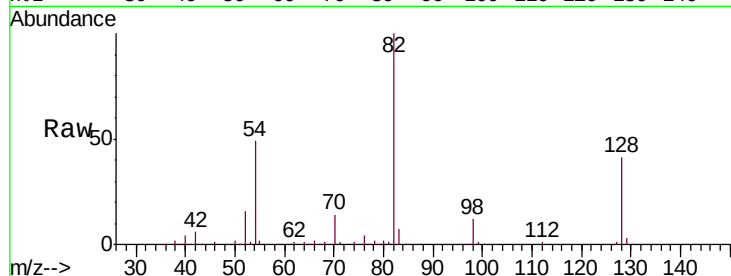
Tgt Ion: 82 Resp: 390945

Ion Ratio Lower Upper

82 100

95 0.0 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: BF109342.D

Acq: 26 Sep 2018 17:45

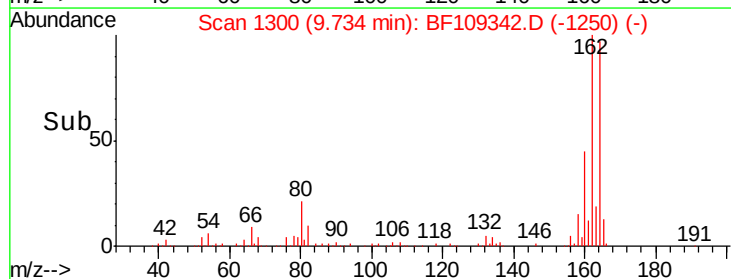
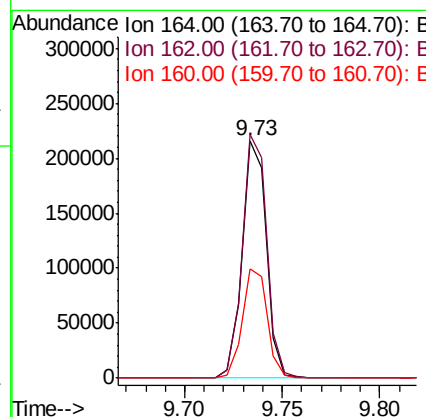
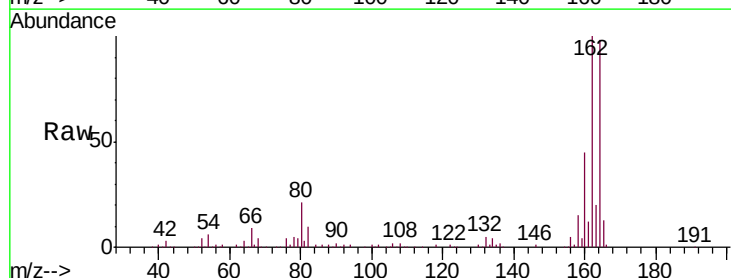
Tgt Ion: 164 Resp: 184534

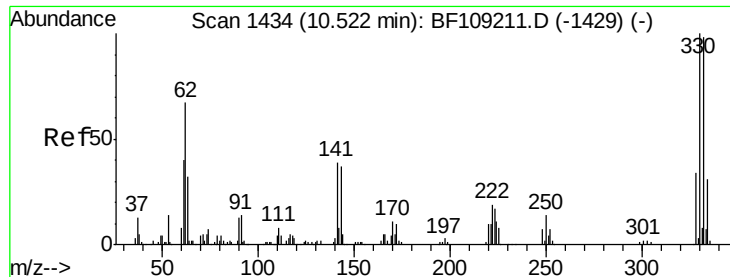
Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

160 45.8 38.3 57.5

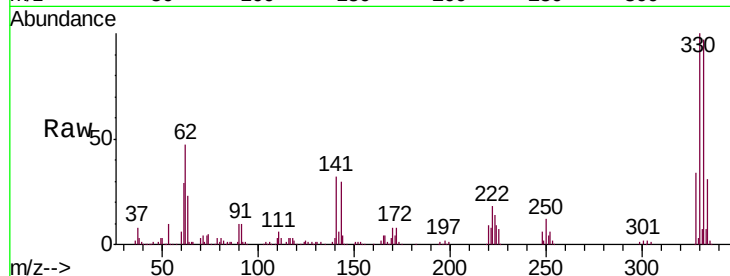




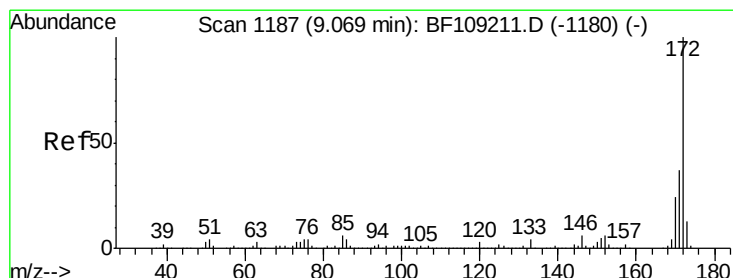
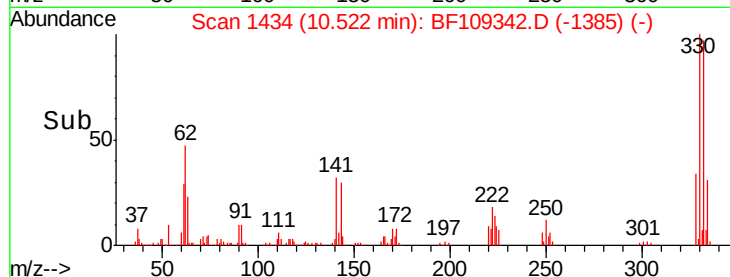
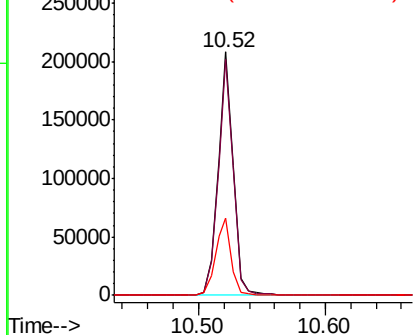
#41
 2,4,6-Tribromophenol
 Concen: 95.983 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109342.D
 Acq: 26 Sep 2018 17:45

Instrument :
 BNA_F
 ClientSampled :
 CS-RT-4005

Tgt Ion: 330 Resp: 174605
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 32.7 29.9 44.9

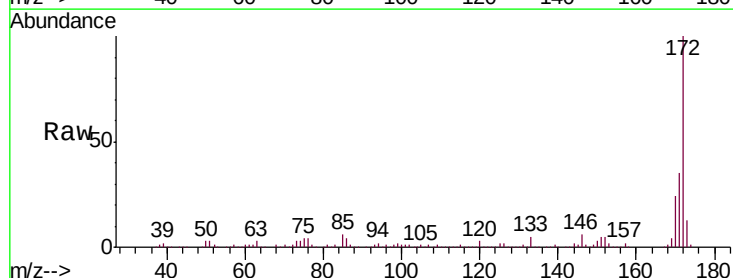


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

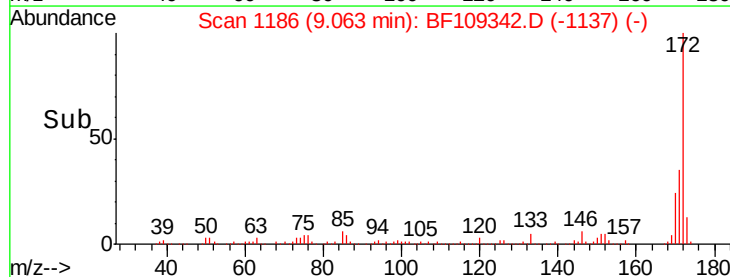
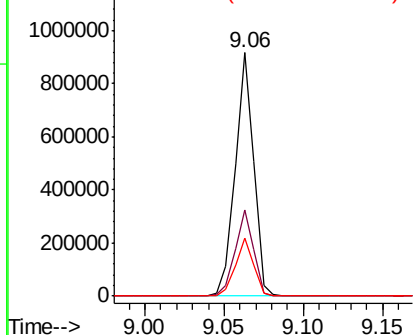


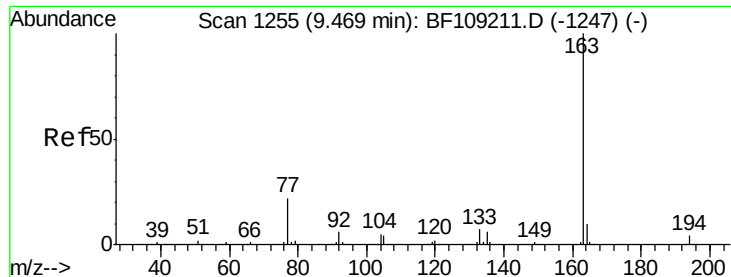
#44
 2-Fluorobiphenyl
 Concen: 60.708 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109342.D
 Acq: 26 Sep 2018 17:45

Tgt Ion: 172 Resp: 742784
 Ion Ratio Lower Upper
 172 100
 171 35.4 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

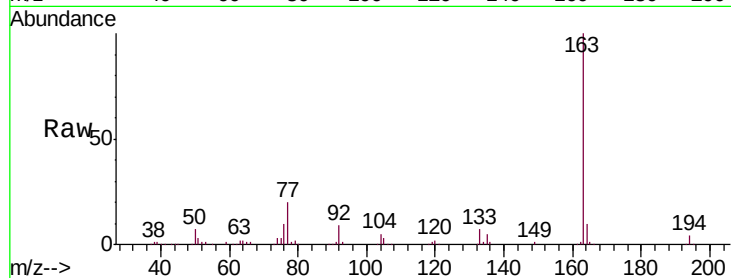




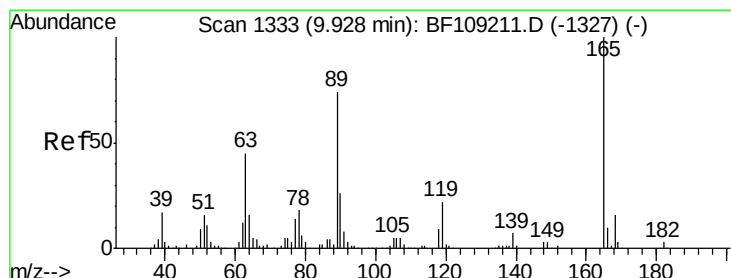
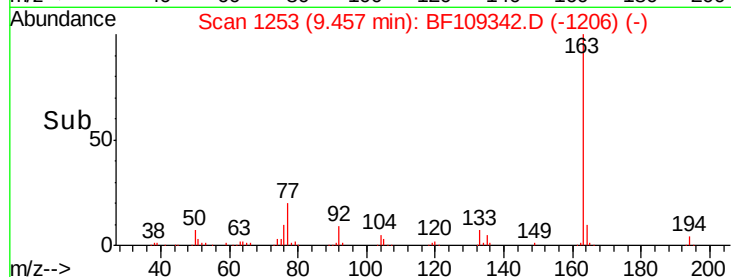
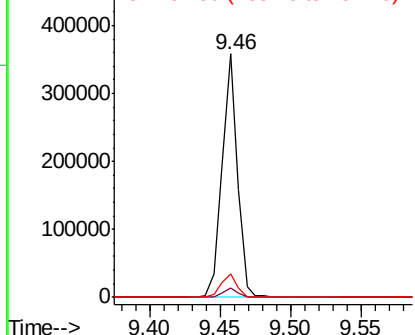
#49
Dimethylphthalate
Concen: 20.168 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109342.D
Acq: 26 Sep 2018 17:45

Instrument :
BNA_F
ClientSampleId :
CS-RT-4005

Tgt Ion:163 Resp: 270684
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.8 8.2 12.2

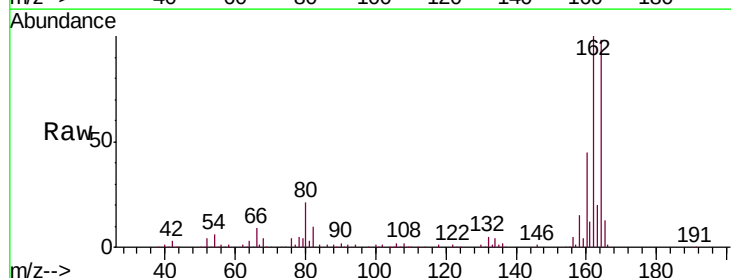


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

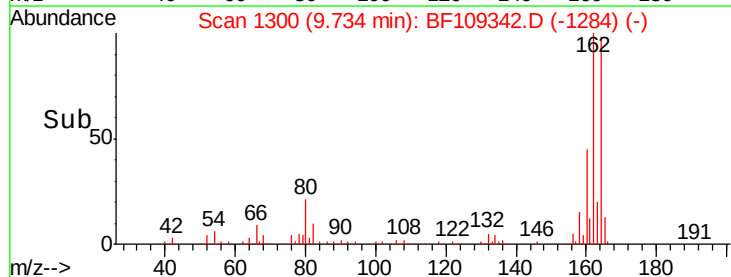
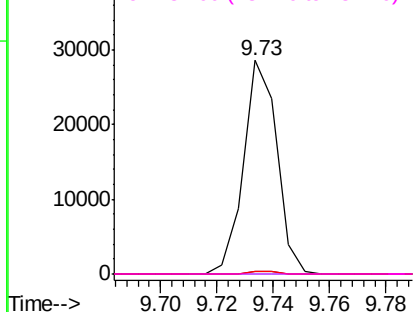


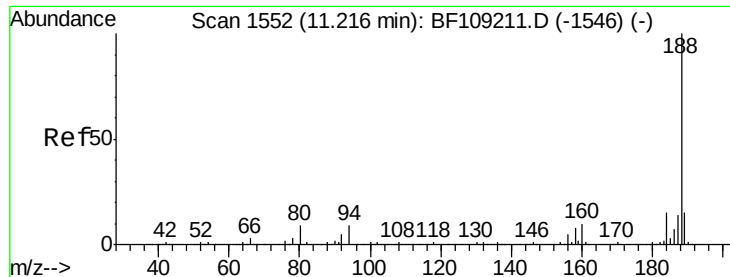
#56
2,4-Dinitrotoluene
Concen: 6.953 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109342.D
Acq: 26 Sep 2018 17:45

Tgt Ion:165 Resp: 23386
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 1.4 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

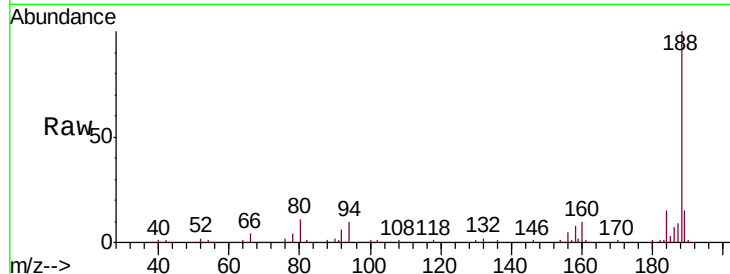




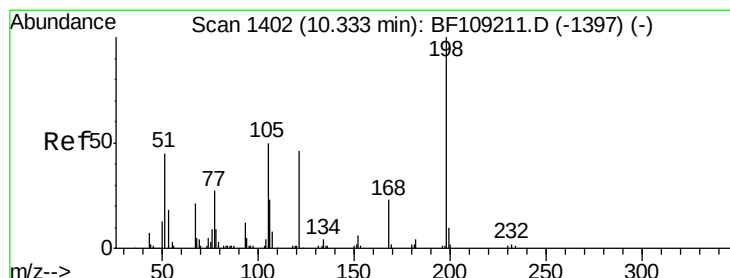
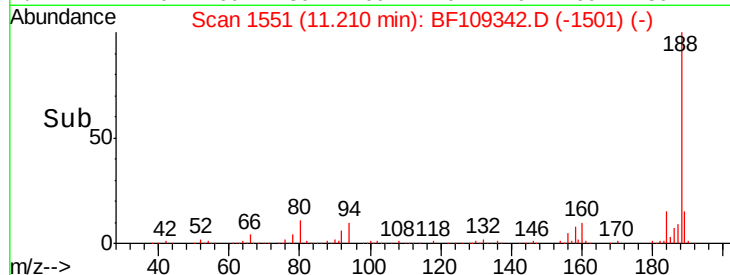
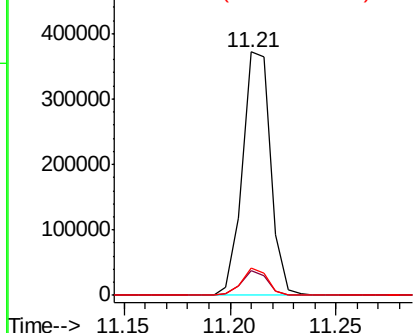
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109342.D
Acq: 26 Sep 2018 17:45

Instrument :
BNA_F
ClientSampleId :
CS-RT-4005

Tgt Ion:188 Resp: 343084
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 11.1 9.2 13.8

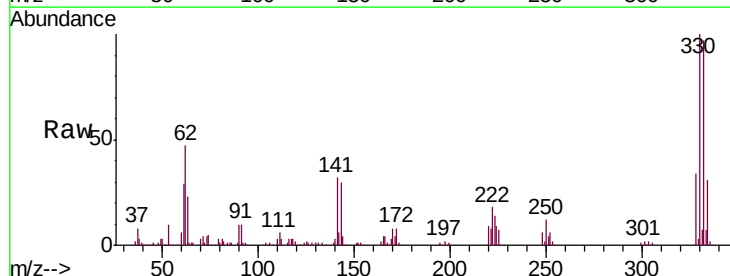


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

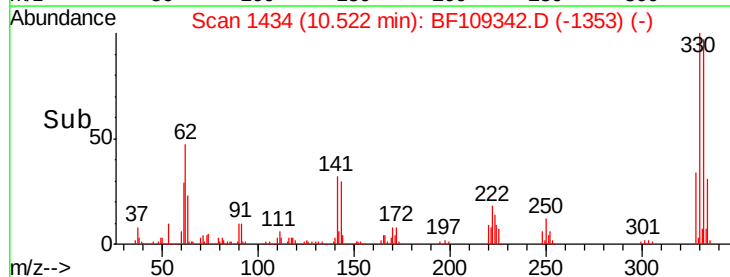
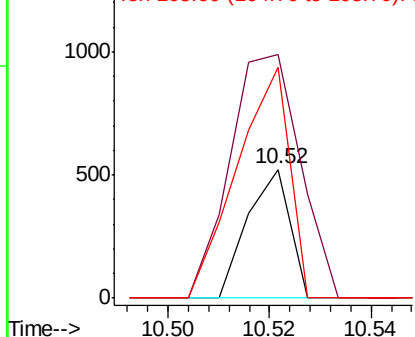


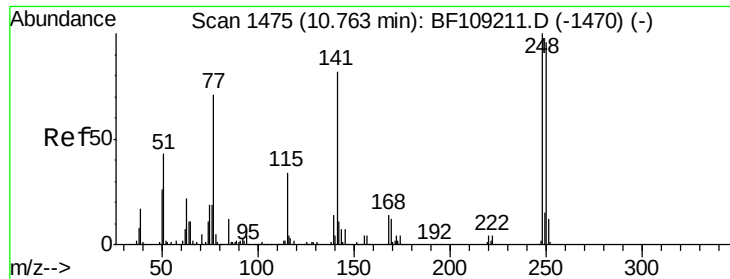
#64
4,6-Dinitro-2-methylphenol
Concen: 6.712 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.18 min
Lab File: BF109342.D
Acq: 26 Sep 2018 17:45

Tgt Ion:198 Resp: 306
Ion Ratio Lower Upper
198 100
51 188.9 37.7 77.7#
105 179.3 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

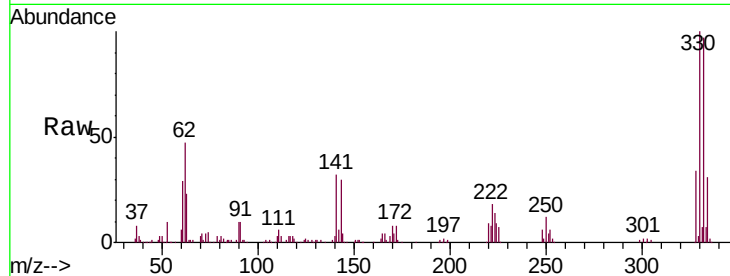




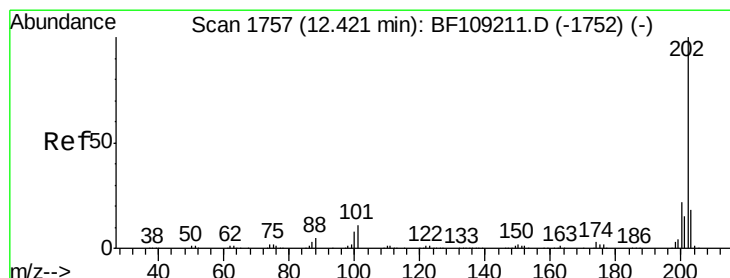
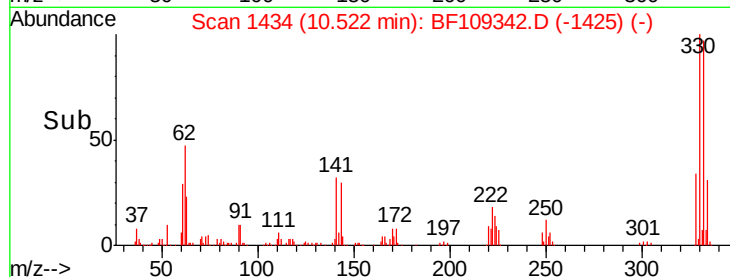
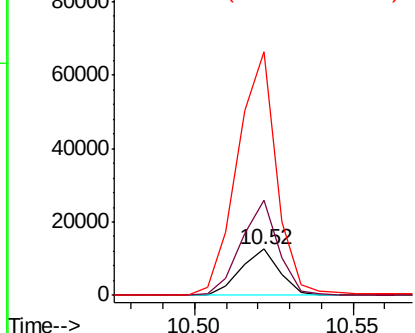
#66
 4-Bromophenyl-phenylether
 Concen: 2.767 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109342.D
 Acq: 26 Sep 2018 17:45

Instrument :
 BNA_F
 ClientSampleId :
 CS-RT-4005

Tgt Ion:248 Resp: 10542
 Ion Ratio Lower Upper
 248 100
 250 205.4 76.9 115.3#
 141 525.1 74.4 111.6#

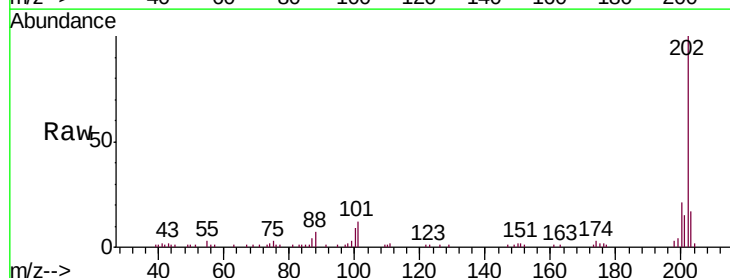


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

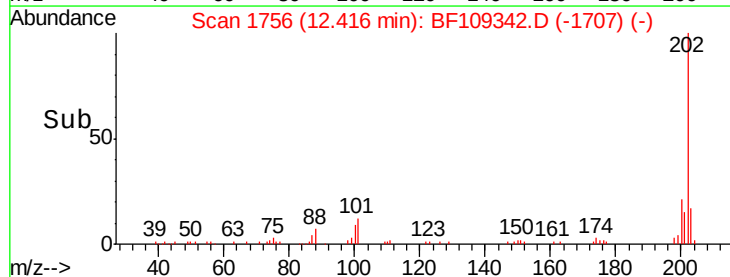
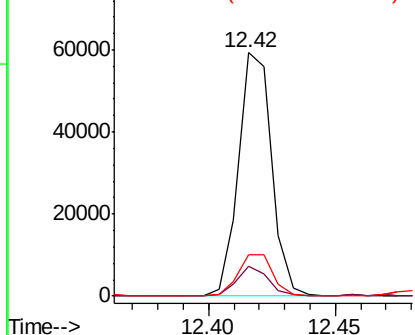


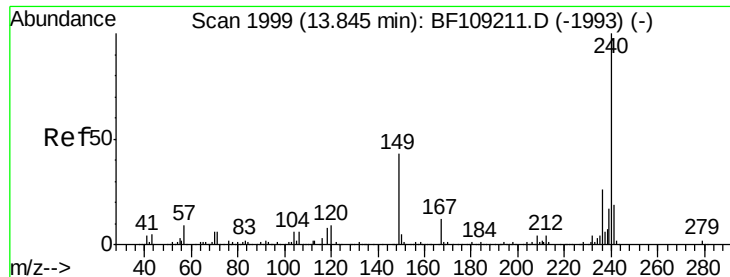
#74
 Fluoranthene
 Concen: 2.950 ng
 RT: 12.42 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BF109342.D
 Acq: 26 Sep 2018 17:45

Tgt Ion:202 Resp: 54010
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 34.1
 203 16.9 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109342.D

Acq: 26 Sep 2018 17:45

Instrument :

BNA_F

ClientSampleId :

CS-RT-4005

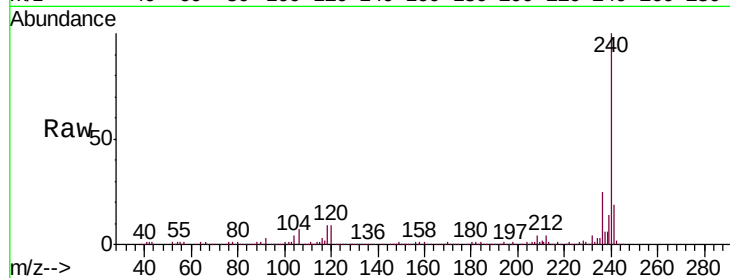
Tgt Ion:240 Resp: 244601

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

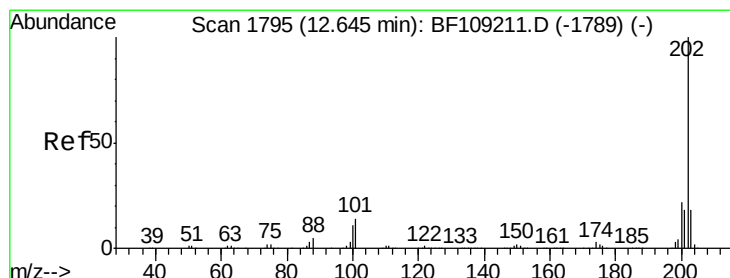
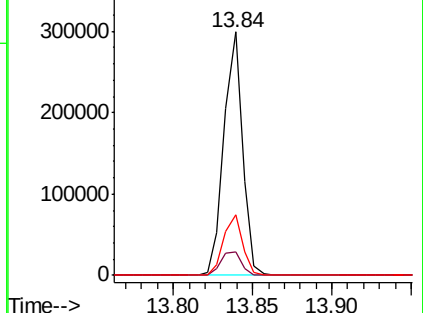
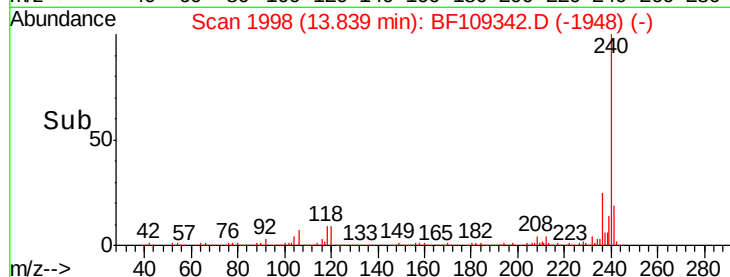
236 24.9 20.7 31.1



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: 2.741 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109342.D

Acq: 26 Sep 2018 17:45

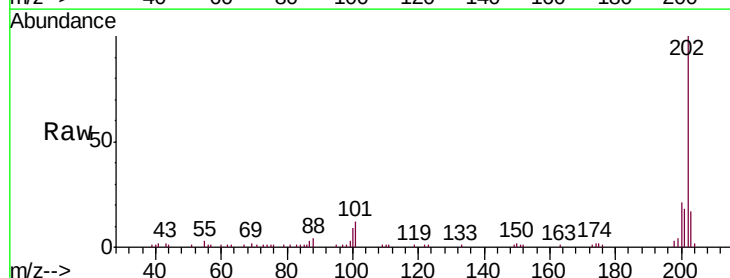
Tgt Ion:202 Resp: 48058

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

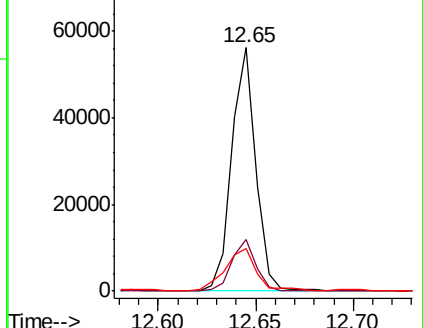
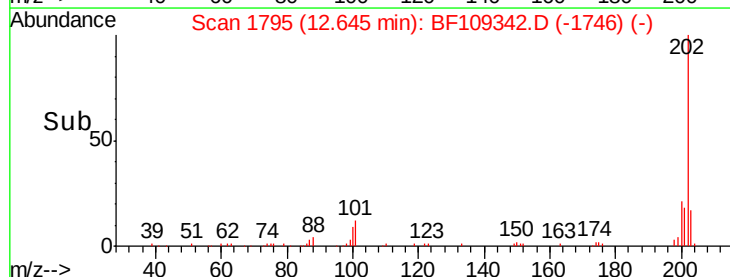
203 17.4 14.3 21.5

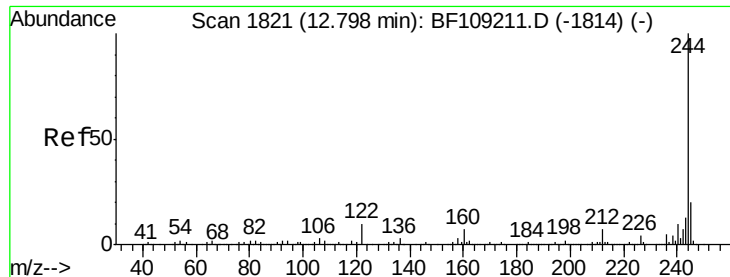


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.452 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109342.D

Acq: 26 Sep 2018 17:45

Instrument :

BNA_F

ClientSampleId :

CS-RT-4005

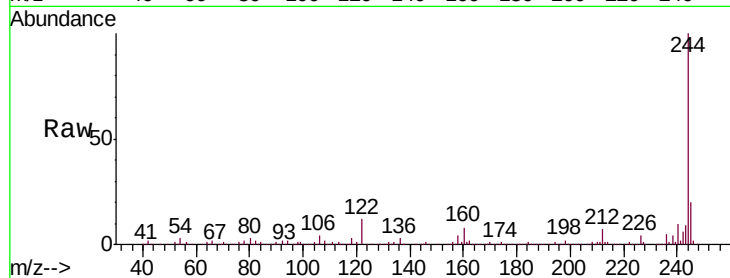
Tgt Ion:244 Resp: 612476

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

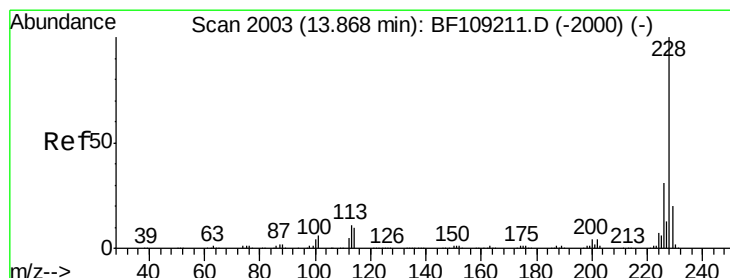
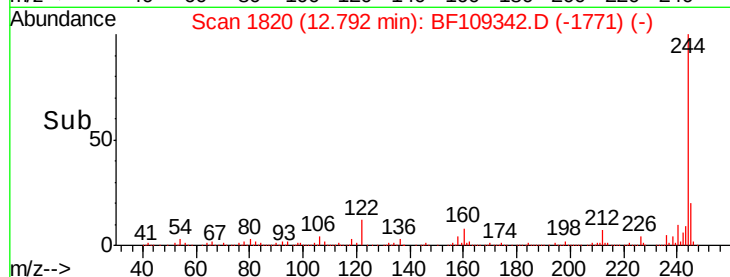
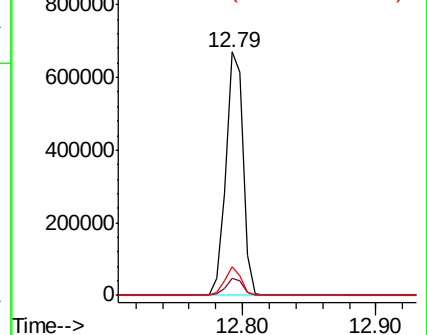
122 11.9 11.0 16.4



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



#82

Chrysene

Concen: 2.241 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109342.D

Acq: 26 Sep 2018 17:45

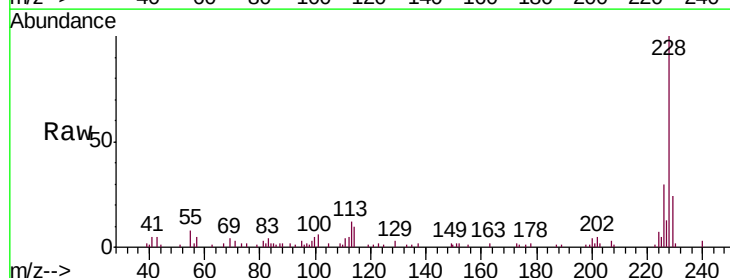
Tgt Ion:228 Resp: 32726

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

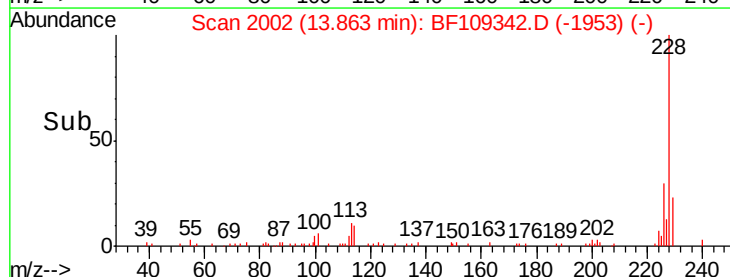
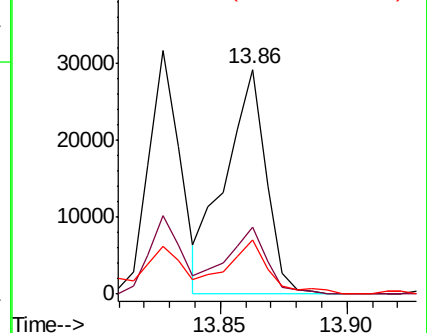
229 23.8 16.2 24.4

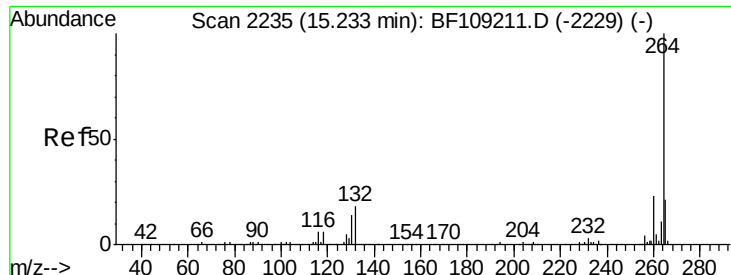


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



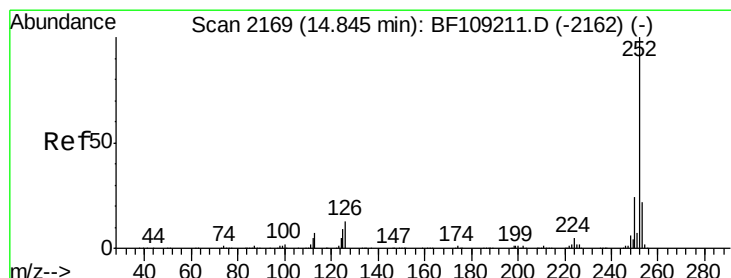
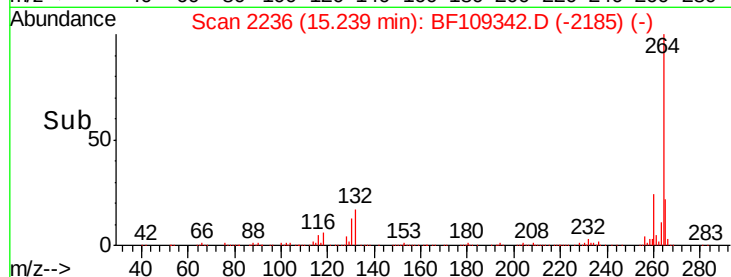
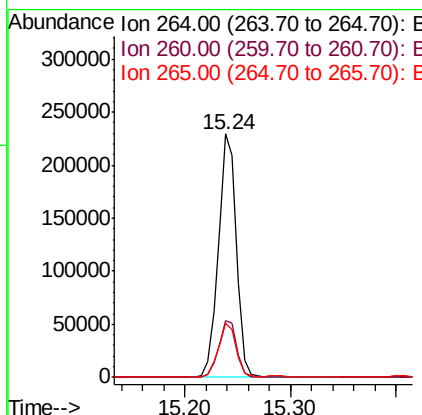
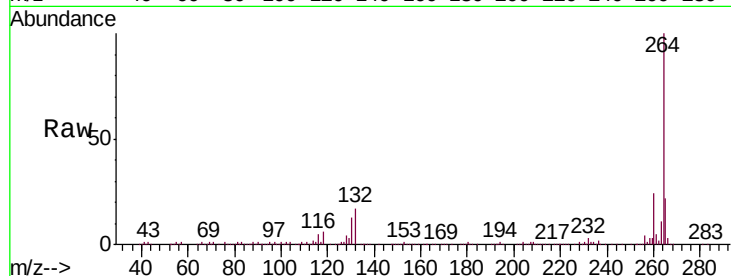


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF109342.D
Acq: 26 Sep 2018 17:45

Instrument :
BNA_F
ClientSampleId :
CS-RT-4005

Tgt Ion: 264 Resp: 276215

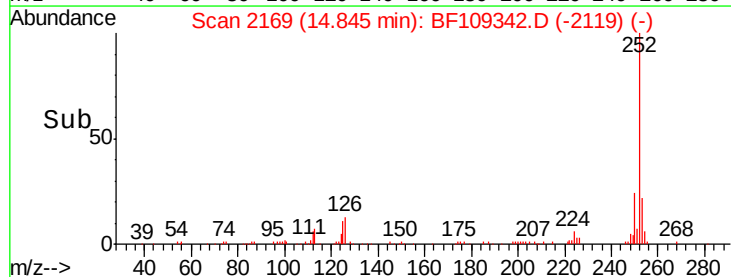
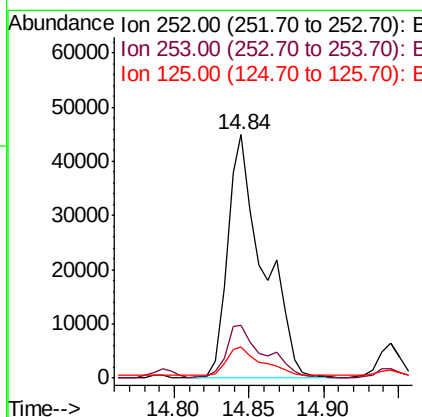
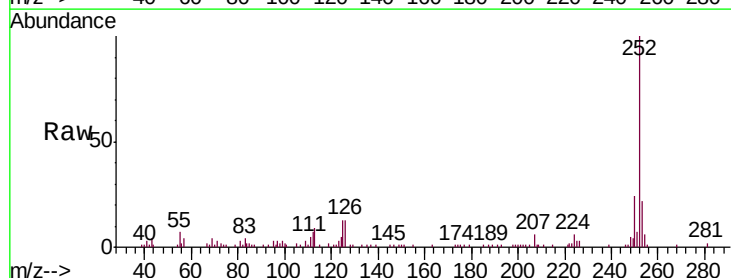
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.2	17.5	26.3

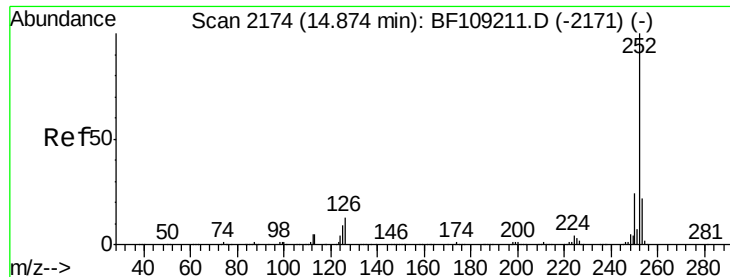


#87
Benzo(b)fluoranthene
Concen: 4.929 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109342.D
Acq: 26 Sep 2018 17:45

Tgt Ion: 252 Resp: 74807

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	12.6	9.0	13.6

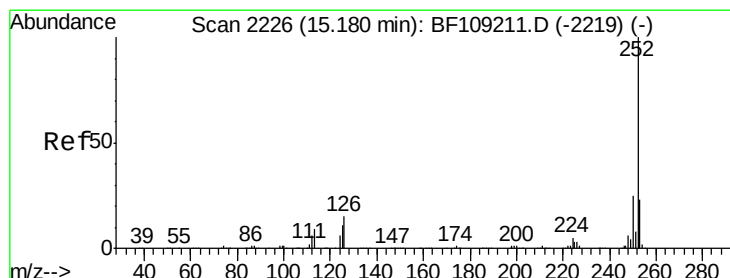
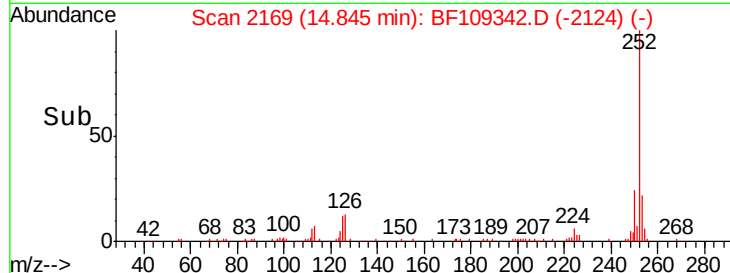
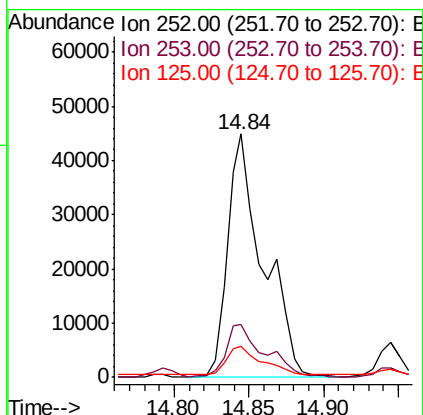
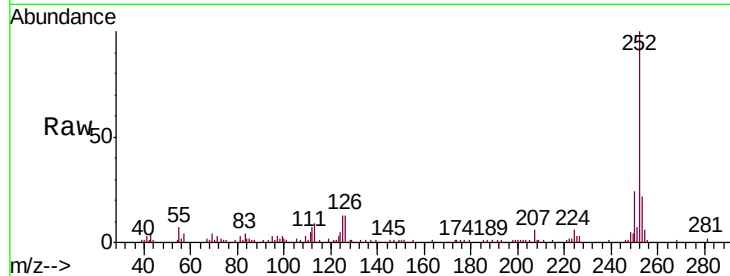




#88
Benzo(k)fluoranthene
Concen: 5.194 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109342.D
Acq: 26 Sep 2018 17:45

Instrument :
BNA_F
ClientSampleId :
CS-RT-4005

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	12.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.272 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109342.D
Acq: 26 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	10.8	9.8	14.6

