

Data File : BF109341.D
Acq On : 26 Sep 2018 17:19
Operator : JU/SJ
Sample : J5070-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CS-RBR-200031

Quant Time: Sep 27 05:38:09 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	105707	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	408384	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	197962	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	373574	20.00	ng	0.00
75) Chrysene-d12	13.84	240	270137	20.00	ng	0.00
86) Perylene-d12	15.24	264	294406	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	375241	58.47	ng	0.00
7) Phenol-d6	6.34	99	494341	60.36	ng	-0.02
23) Nitrobenzene-d5	7.26	82	311047	44.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	128476	65.83	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	589928	44.94	ng	-0.01
78) Terphenyl-d14	12.79	244	512275	46.54	ng	-0.01

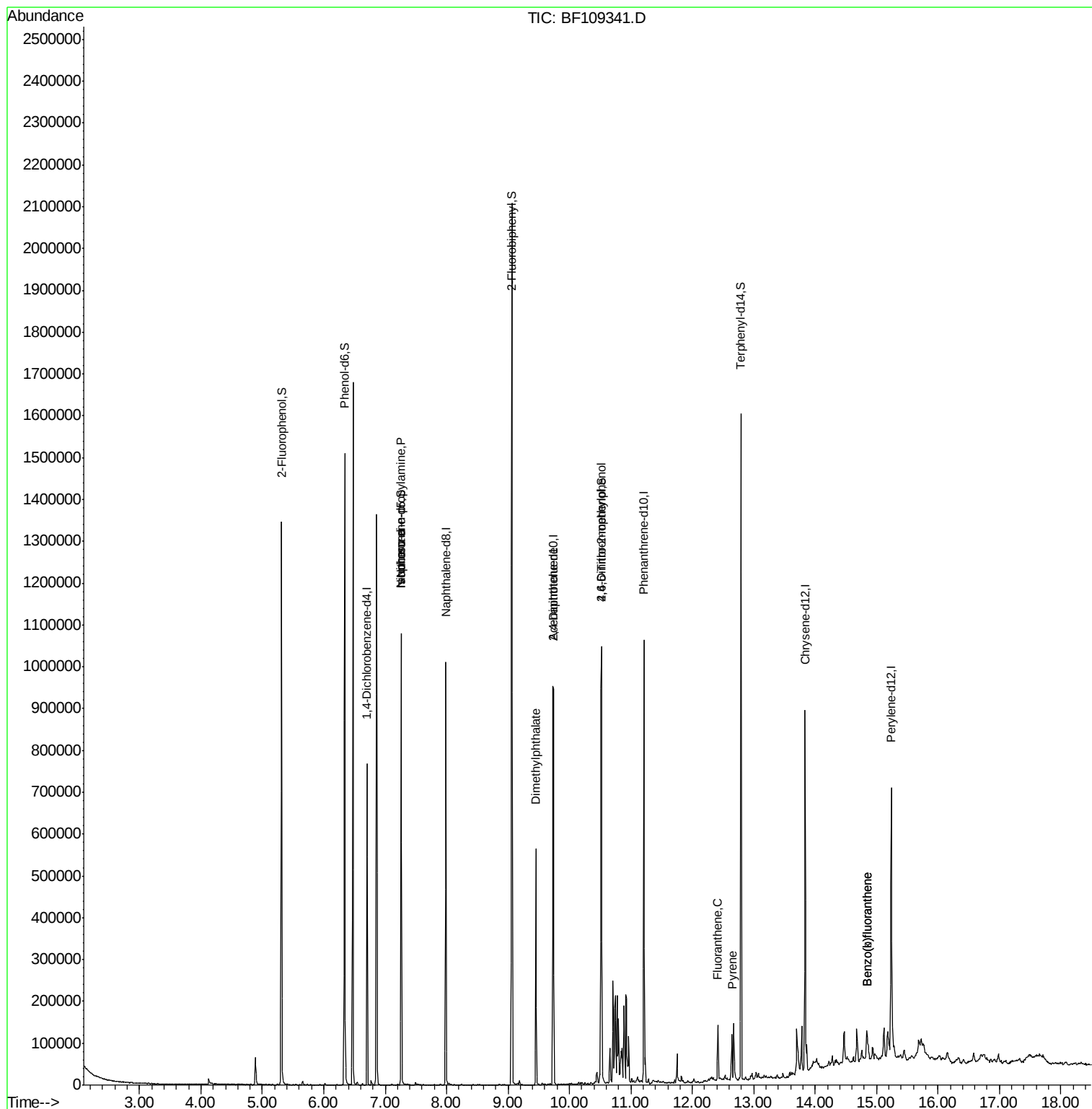
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.26	70	41355	7.707	ng	# 79
25) Isophorone	7.26	82	287929	23.113	ng	# 64
49) Dimethylphthalate	9.46	163	206626	14.351	ng	99
56) 2,4-Dinitrotoluene	9.73	165	25523	7.074	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.52	198	114	6.586	ng	# 1
74) Fluoranthene	12.42	202	52511	2.634	ng	97
77) Pyrene	12.64	202	43179	2.230	ng	98
87) Benzo(b)fluoranthene	14.84	252	45778	2.830	ng	98
88) Benzo(k)fluoranthene	14.84	252	45778	2.982	ng	99

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

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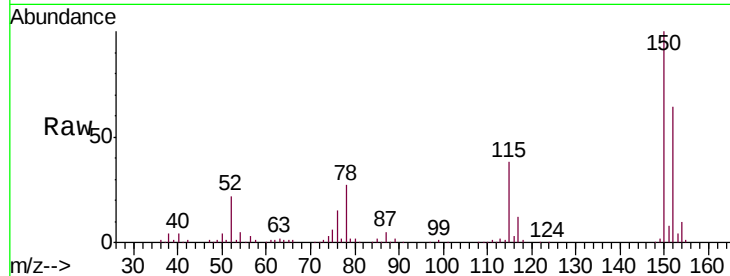




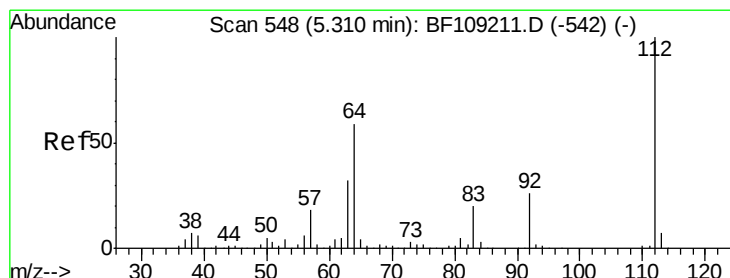
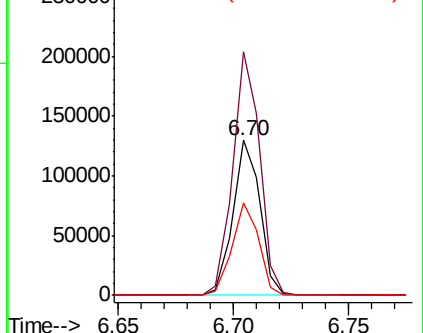
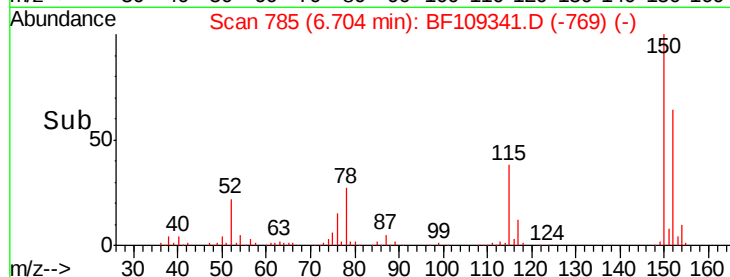
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109341.D
 Acq: 26 Sep 2018 17:19

Instrument :
 BNA_F
 ClientSampleId :
 CS-RBR-200031

Tgt Ion:152 Resp: 105707
 Ion Ratio Lower Upper
 152 100
 150 157.1 124.6 186.8
 115 60.1 50.1 75.1

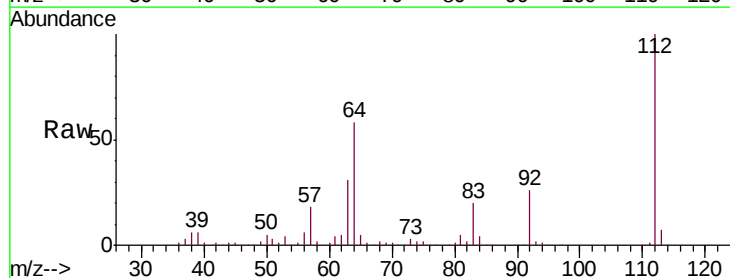


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

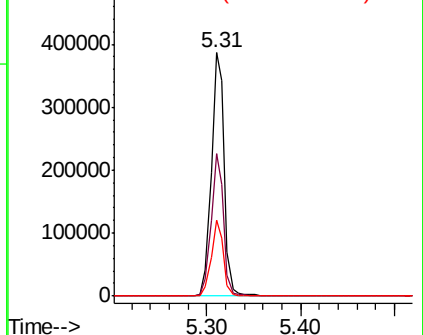
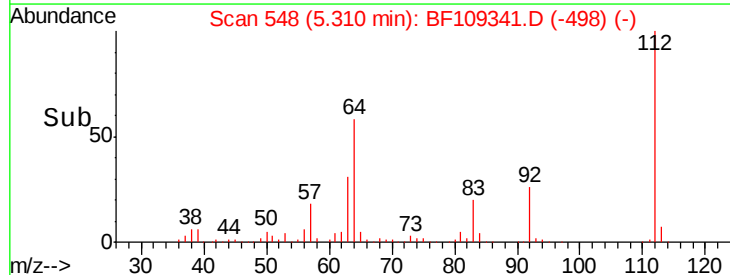


#5
 2-Fluorophenol
 Concen: 58.468 ng
 RT: 5.31 min Scan# 548
 Delta R.T. -0.01 min
 Lab File: BF109341.D
 Acq: 26 Sep 2018 17:19

Tgt Ion:112 Resp: 375241
 Ion Ratio Lower Upper
 112 100
 64 58.4 47.9 71.9
 63 31.0 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: 60.363 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109341.D

Acq: 26 Sep 2018 17:19

Instrument :

BNA_F

ClientSampleId :

CS-RBR-200031

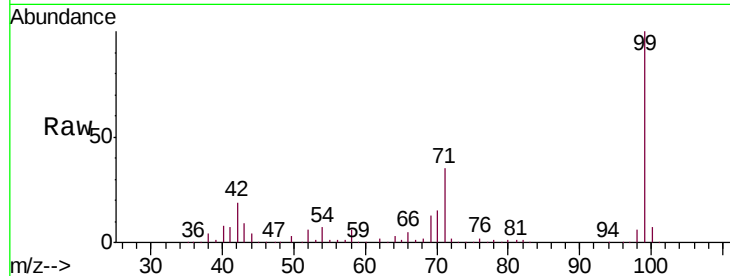
Tgt Ion: 99 Resp: 494341

Ion Ratio Lower Upper

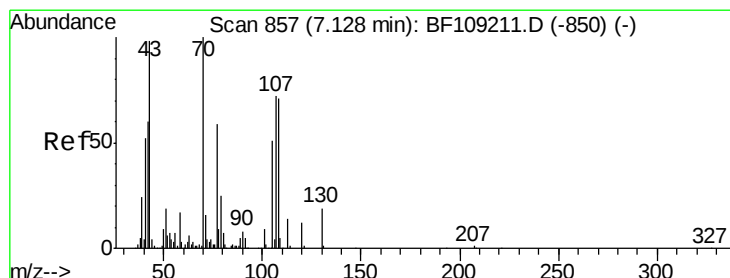
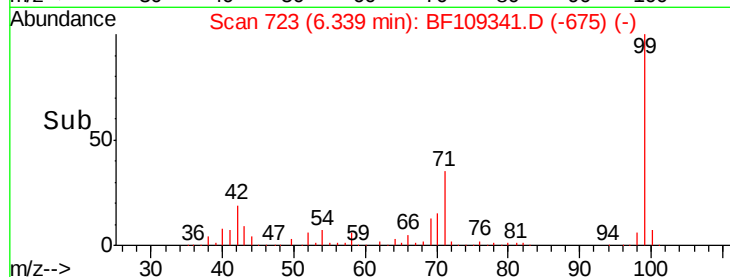
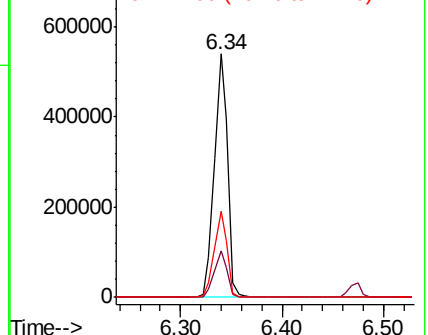
99 100

42 19.1 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: 7.707 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109341.D

Acq: 26 Sep 2018 17:19

Tgt Ion: 70 Resp: 41355

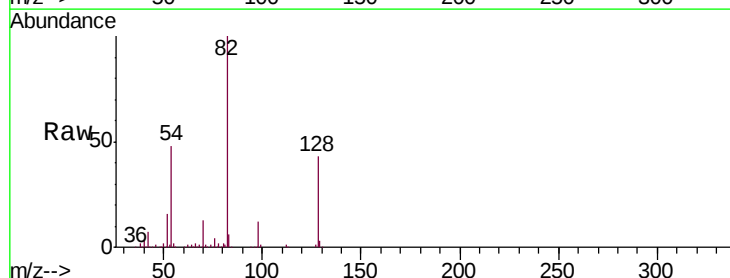
Ion Ratio Lower Upper

70 100

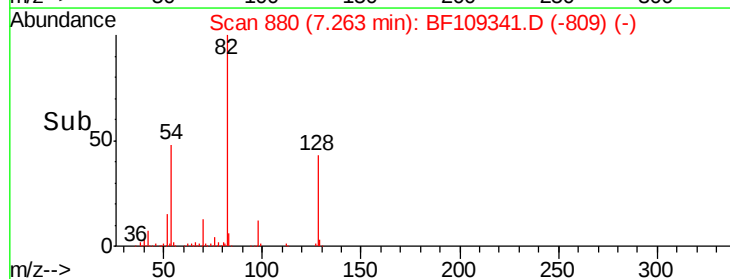
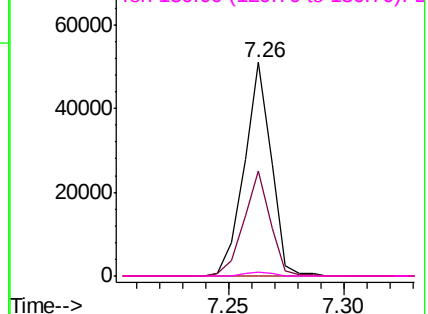
42 49.0 47.5 71.3

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: BF109341.D

Acq: 26 Sep 2018 17:19

Instrument :

BNA_F

ClientSampleId :

CS-RBR-200031

Tgt Ion:136 Resp: 408384

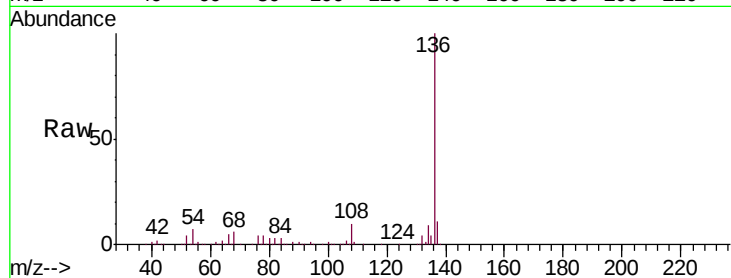
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.1 6.6 9.8

68 5.7 5.0 7.4

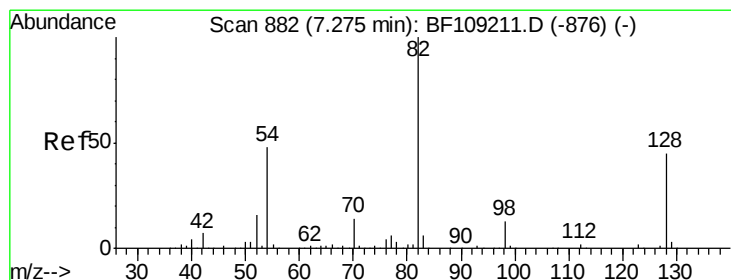
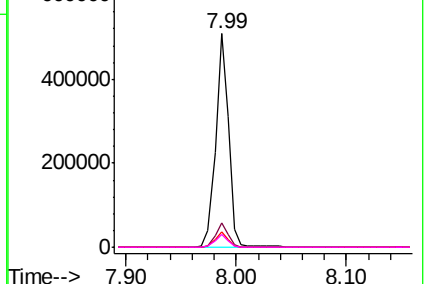
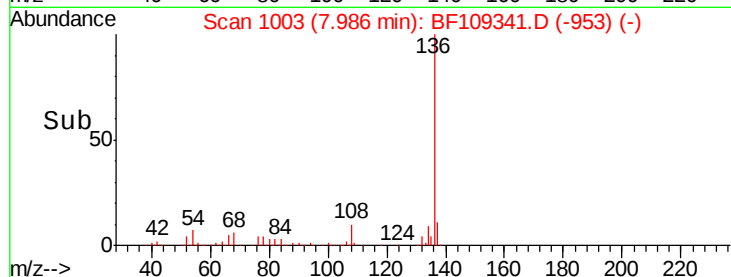


Abundance Ion 136.00 (135.70 to 136.70): E

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: 44.962 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109341.D

Acq: 26 Sep 2018 17:19

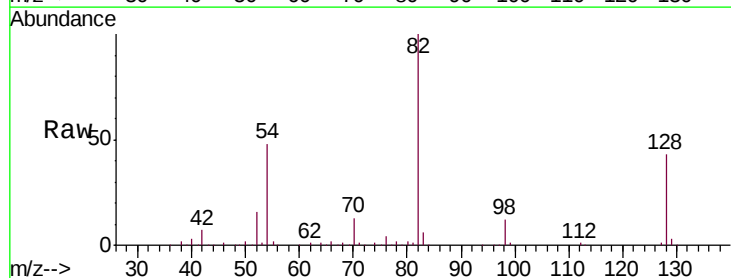
Tgt Ion: 82 Resp: 311047

Ion Ratio Lower Upper

82 100

128 43.3 36.1 54.1

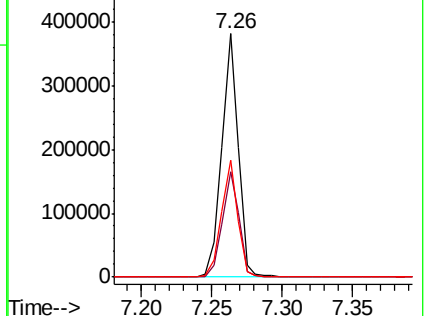
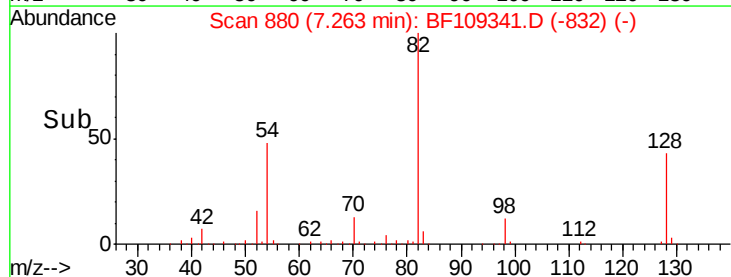
54 47.8 41.4 62.2

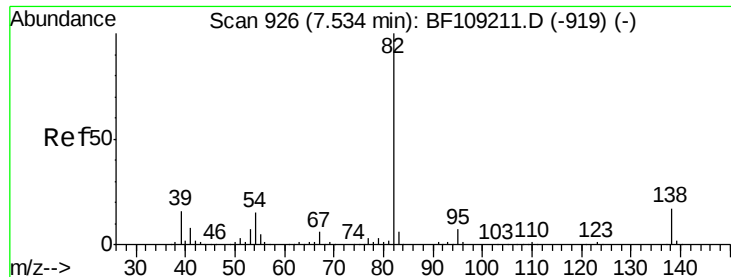


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

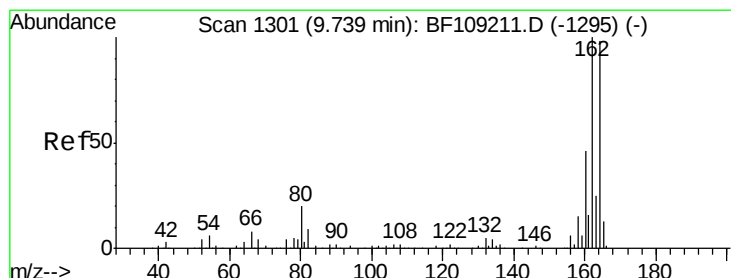
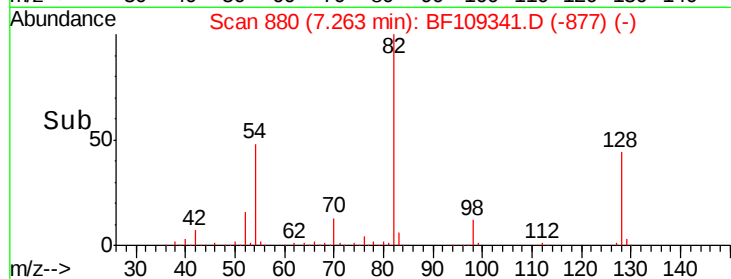
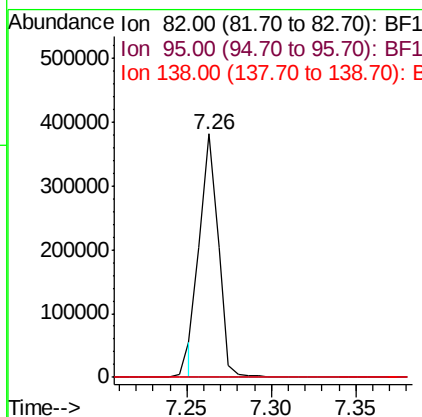
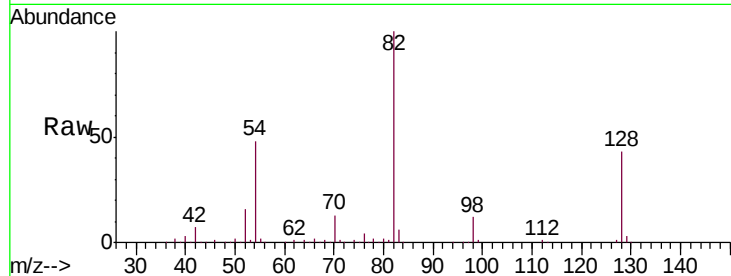




#25
Isophorone
Concen: 23.113 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109341.D
Acq: 26 Sep 2018 17:19

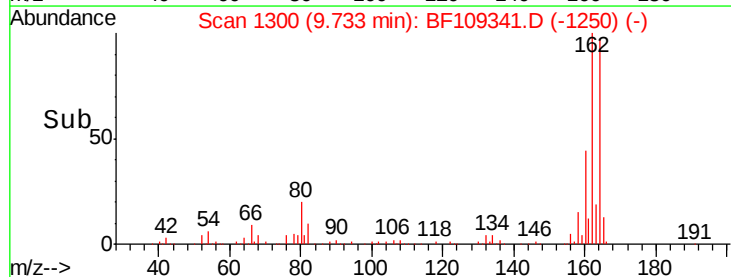
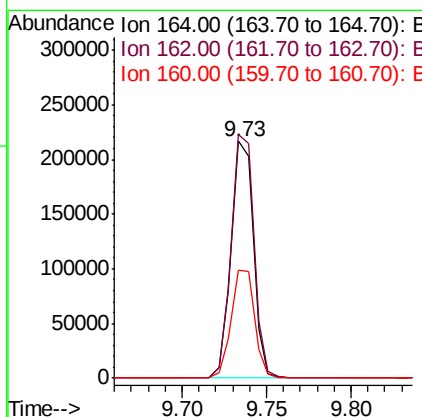
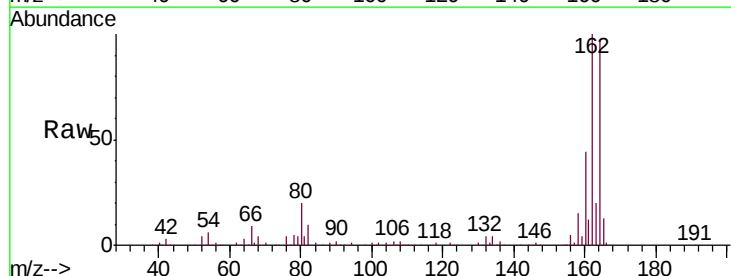
Instrument :
BNA_F
ClientSampleId :
CS-RBR-200031

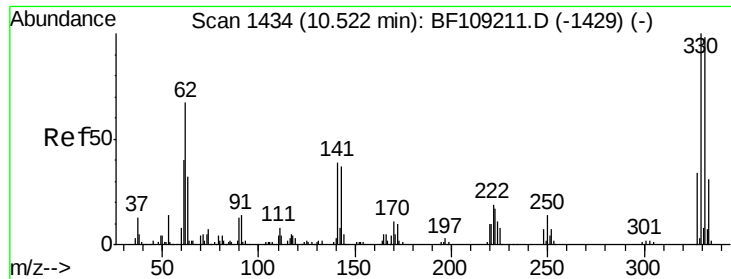
Tgt Ion: 82 Resp: 287929
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109341.D
Acq: 26 Sep 2018 17:19

Tgt Ion: 164 Resp: 197962
Ion Ratio Lower Upper
164 100
162 102.9 86.1 129.1
160 45.5 38.3 57.5

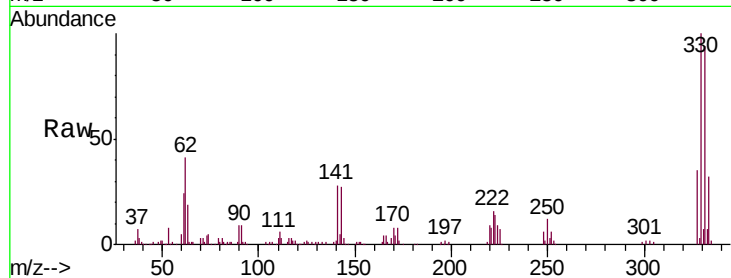




#41
 2,4,6-Tribromophenol
 Concen: 65.835 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109341.D
 Acq: 26 Sep 2018 17:19

Instrument :
 BNA_F
 ClientSampleId :
 CS-RBR-200031

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	32.7	29.9	44.9

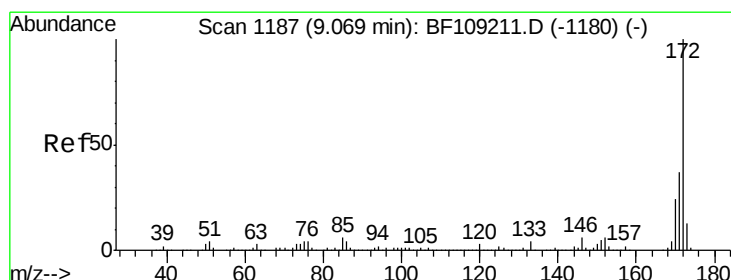
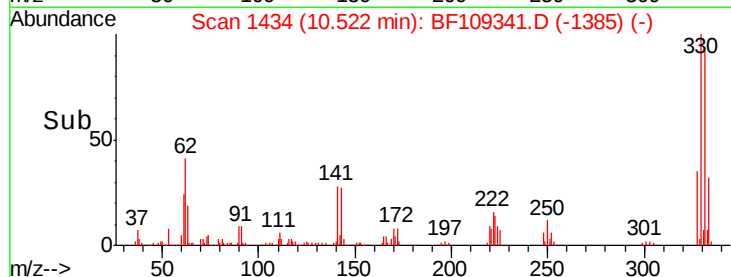
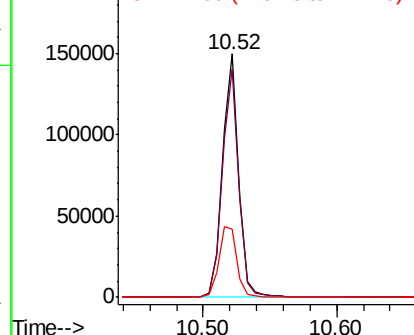


Abundance

Ion 329.80 (329.50 to 330.50): E

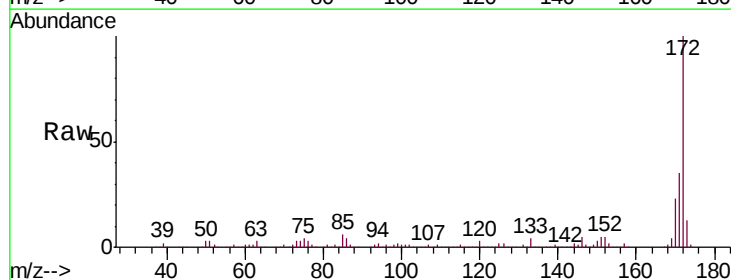
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 44.944 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109341.D
 Acq: 26 Sep 2018 17:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.3	19.6	29.4

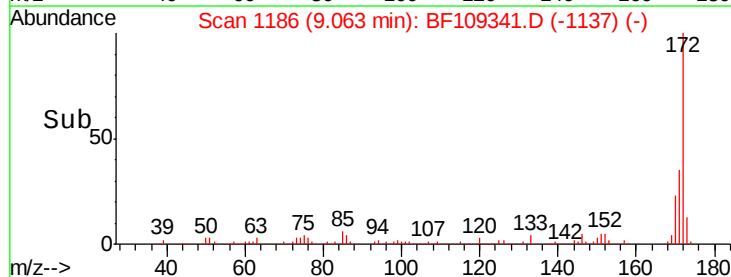
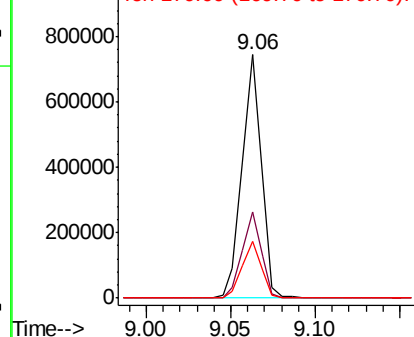


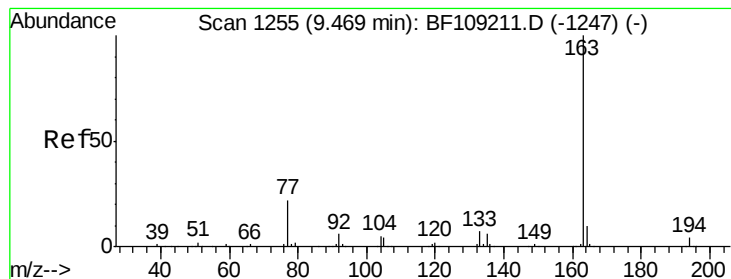
Abundance

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: 14.351 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109341.D

Acq: 26 Sep 2018 17:19

Instrument :

BNA_F

ClientSampleId :

CS-RBR-200031

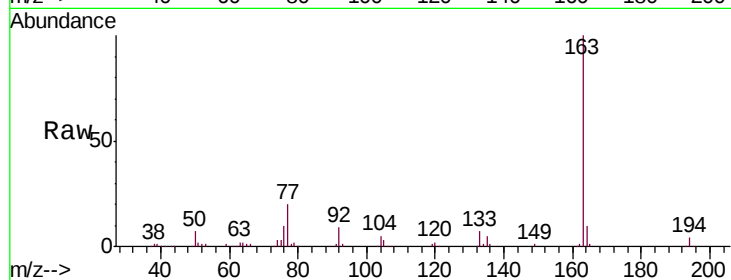
Tgt Ion:163 Resp: 206626

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

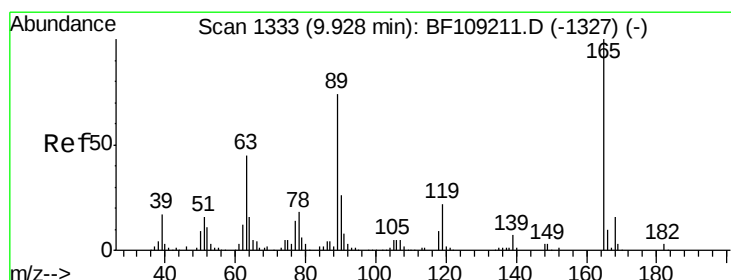
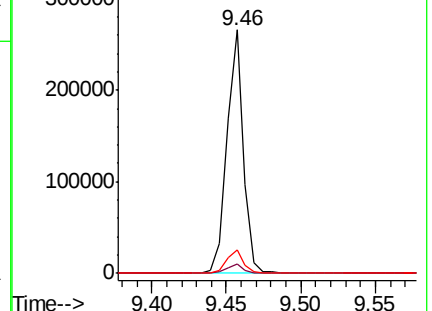
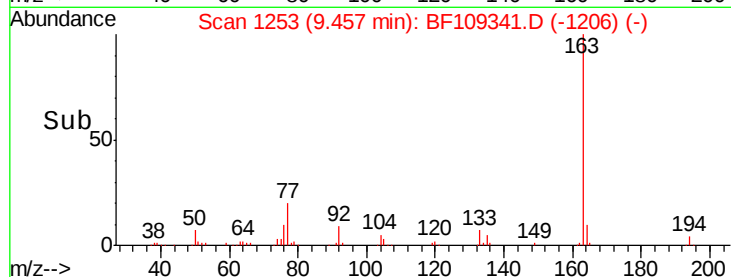
164 9.9 8.2 12.2



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: 7.074 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.21 min

Lab File: BF109341.D

Acq: 26 Sep 2018 17:19

Tgt Ion:165 Resp: 25523

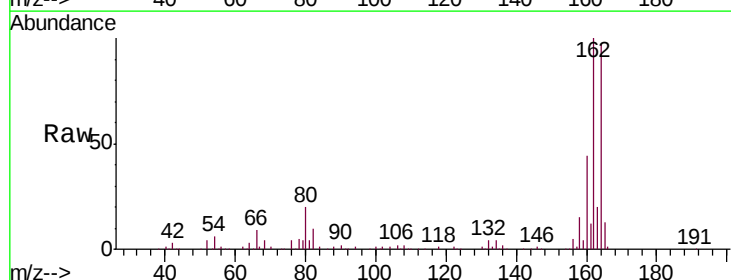
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

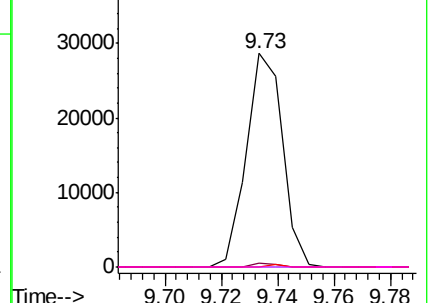
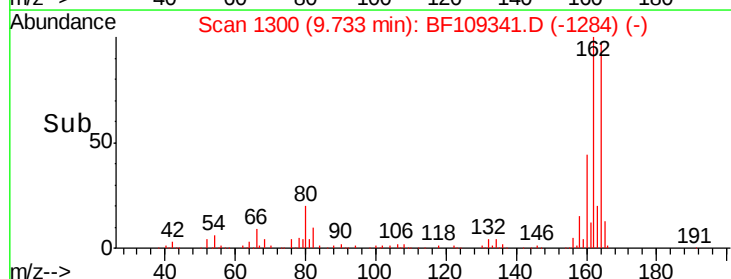


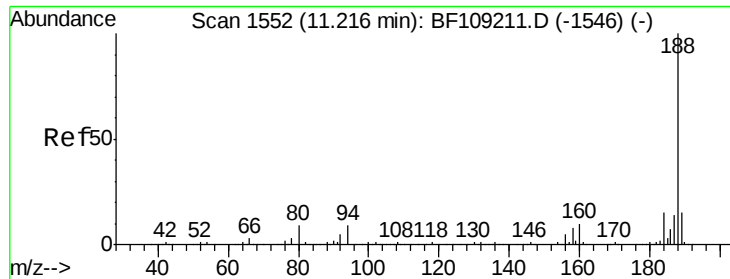
Abundance Ion 165.00 (164.70 to 165.70): E

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

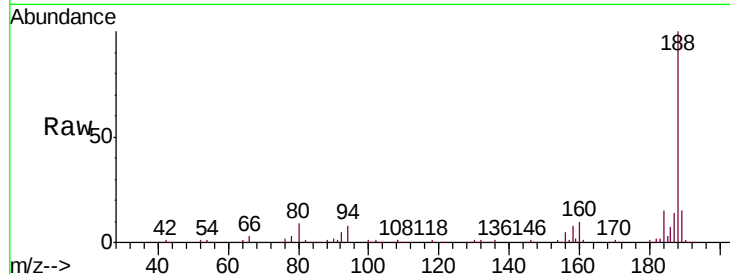




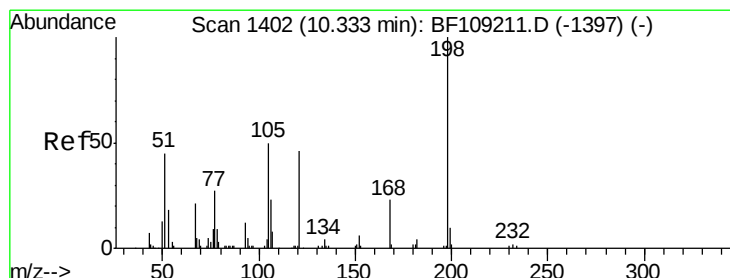
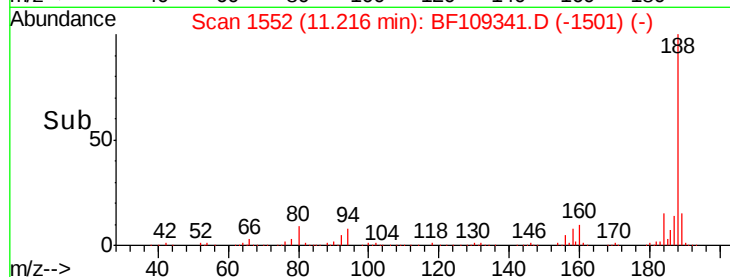
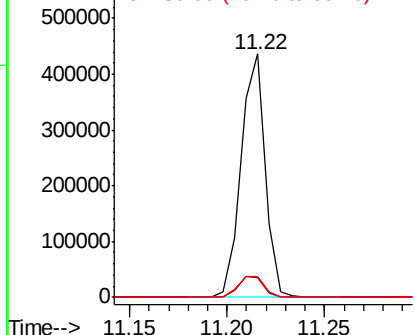
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109341.D
Acq: 26 Sep 2018 17:19

Instrument :
BNA_F
ClientSampleId :
CS-RBR-200031

Tgt Ion:188 Resp: 373574
Ion Ratio Lower Upper
188 100
94 8.2 8.5 12.7#
80 8.6 9.2 13.8#

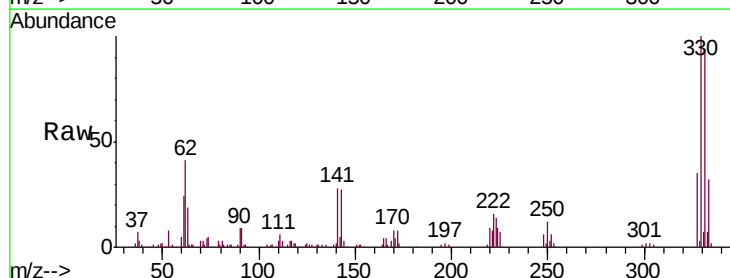


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

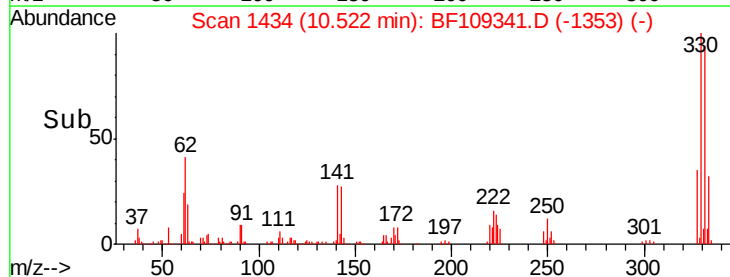
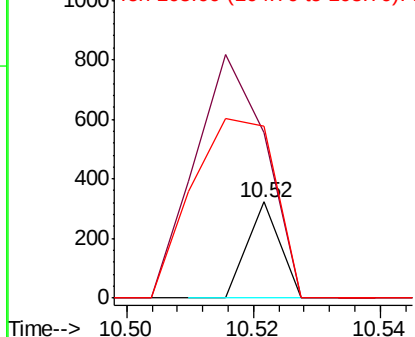


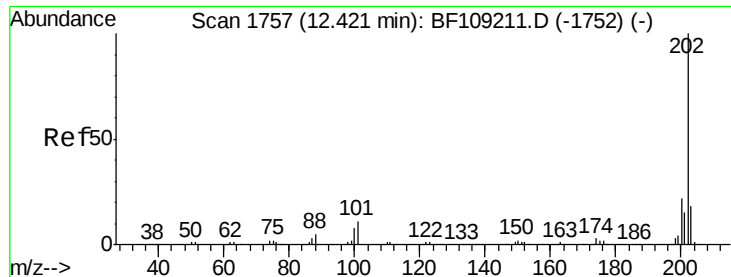
#64
4,6-Dinitro-2-methylphenol
Concen: 6.586 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.18 min
Lab File: BF109341.D
Acq: 26 Sep 2018 17:19

Tgt Ion:198 Resp: 114
Ion Ratio Lower Upper
198 100
51 171.8 37.7 77.7#
105 178.6 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

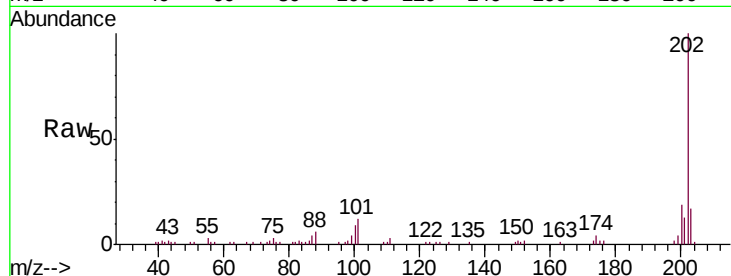




#74
Fluoranthene
Concen: 2.634 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF109341.D
Acq: 26 Sep 2018 17:19

Instrument :
BNA_F
ClientSampleId :
CS-RBR-200031

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	17.5	0.0	38.1

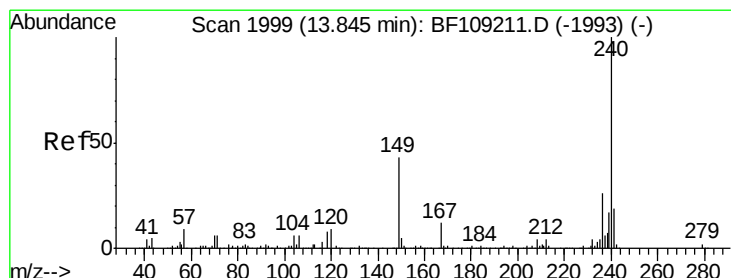
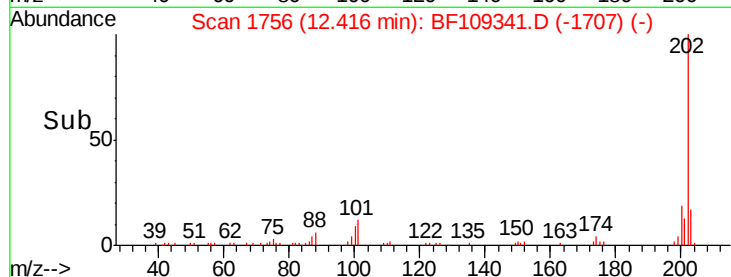
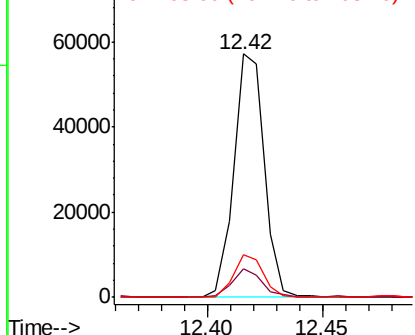


Abundance

Ion 202.00 (201.70 to 202.70): E

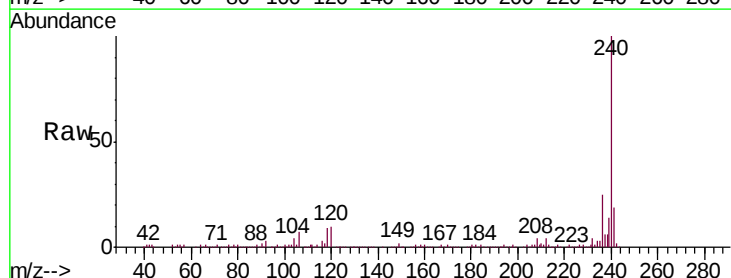
Ion 101.00 (100.70 to 101.70): E

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: BF109341.D
Acq: 26 Sep 2018 17:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.5	14.3
236	25.5	20.7	31.1

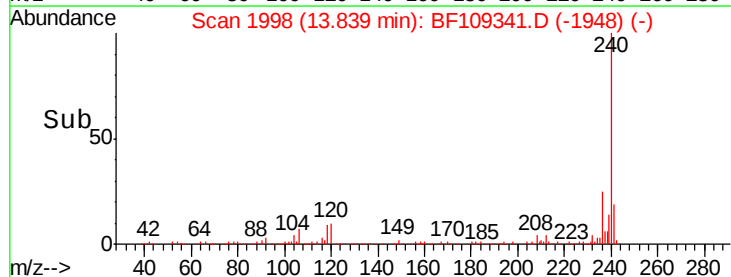
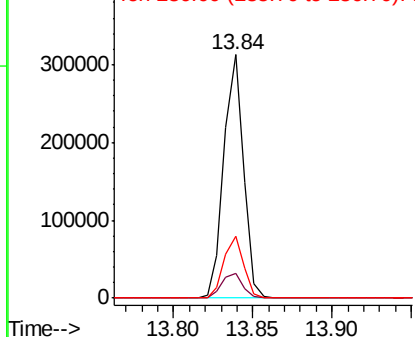


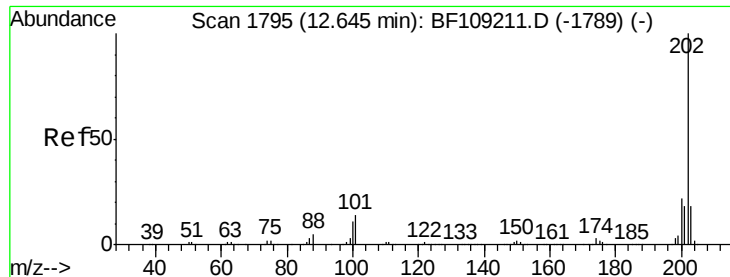
Abundance

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

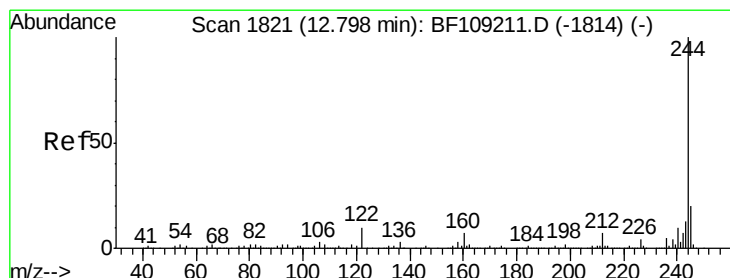
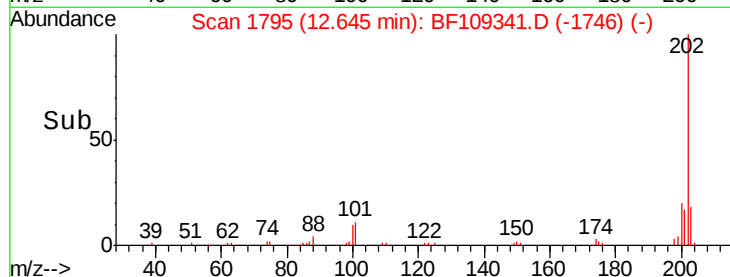
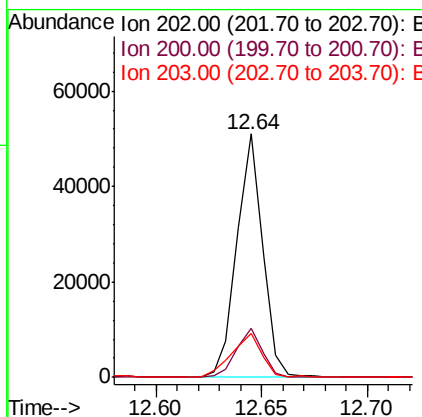
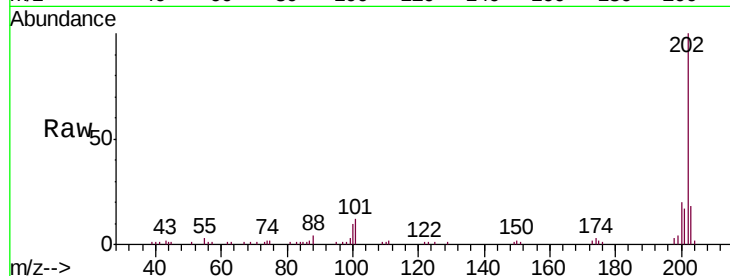




#77
 Pyrene
 Concen: 2.230 ng
 RT: 12.64 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BF109341.D
 Acq: 26 Sep 2018 17:19

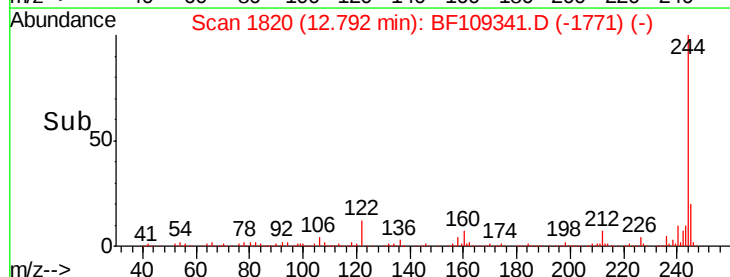
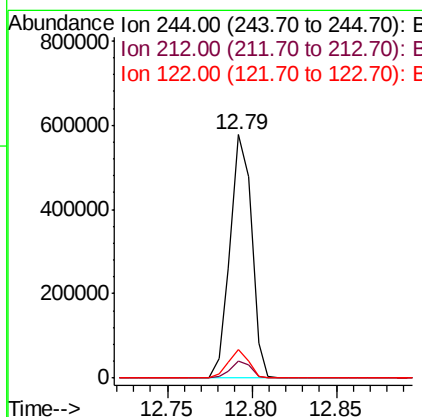
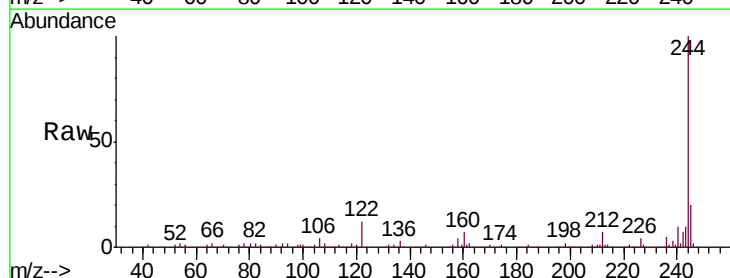
Instrument :
 BNA_F
 ClientSampleId :
 CS-RBR-200031

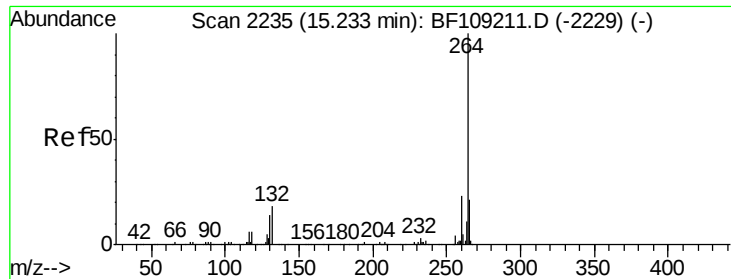
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.4	26.2
203	18.3	14.3	21.5



#78
 Terphenyl-d14
 Concen: 46.540 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109341.D
 Acq: 26 Sep 2018 17:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	11.8	11.0	16.4

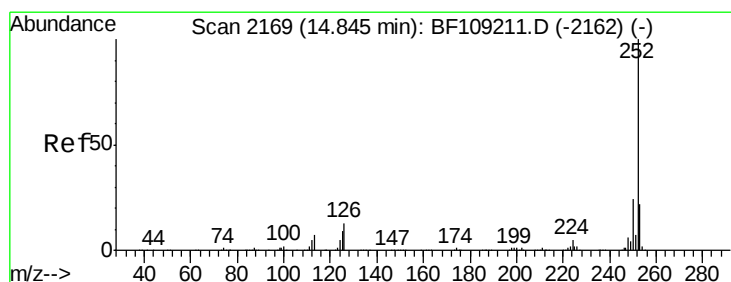
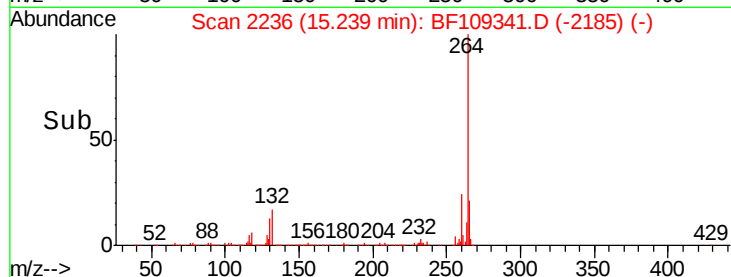
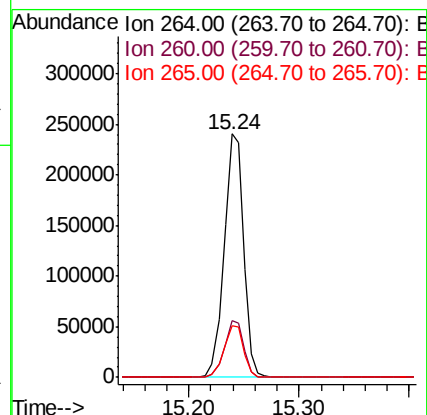
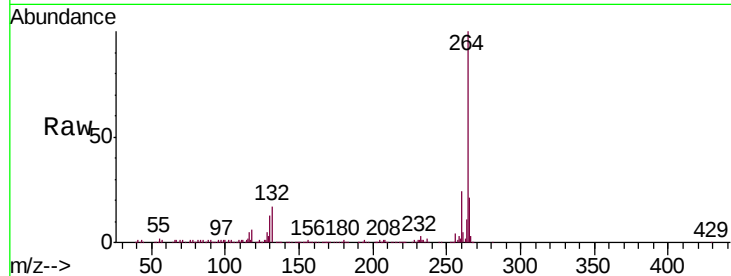




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF109341.D
Acq: 26 Sep 2018 17:19

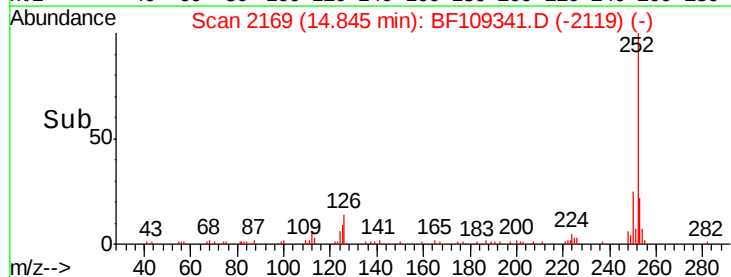
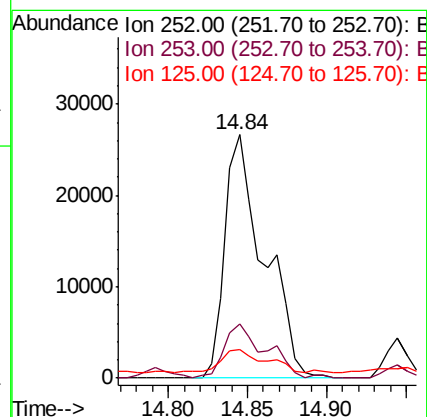
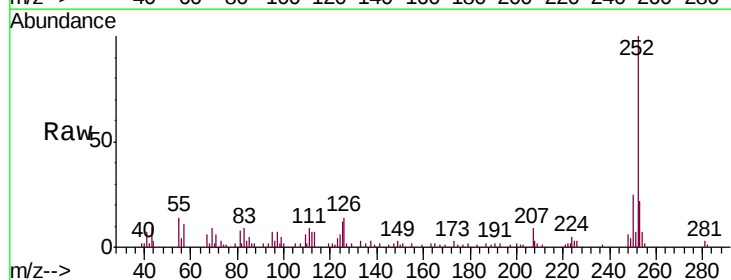
Instrument :
BNA_F
ClientSampleId :
CS-RBR-200031

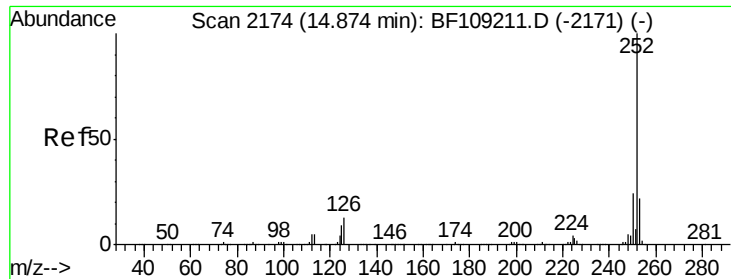
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.2	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.830 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109341.D
Acq: 26 Sep 2018 17:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	11.9	9.0	13.6





#88
 Benzo(k)fluoranthene
 Concen: 2.982 ng
 RT: 14.84 min Scan# 2169
 Delta R.T. -0.04 min
 Lab File: BF109341.D
 Acq: 26 Sep 2018 17:19

Instrument :
 BNA_F
 ClientSampleId :
 CS-RBR-200031

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	11.9	10.2	15.2

