

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092818\
 Data File : BF109460.D
 Acq On : 29 Sep 2018 5:33
 Operator : JU/SJ
 Sample : J5133-13
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 092618-TIPC-F-U-B

Quant Time: Oct 01 03:09:35 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	117176	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	440957	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	205094	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	373010	20.00	ng	0.00
75) Chrysene-d12	13.84	240	219673	20.00	ng	0.00
86) Perylene-d12	15.24	264	221753	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	260941	36.68	ng	0.00
7) Phenol-d6	6.34	99	203867	22.46	ng	-0.02
23) Nitrobenzene-d5	7.27	82	724777	97.03	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	177865	87.97	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	1243127	91.42	ng	0.00
78) Terphenyl-d14	12.80	244	1039445	116.13	ng	0.00

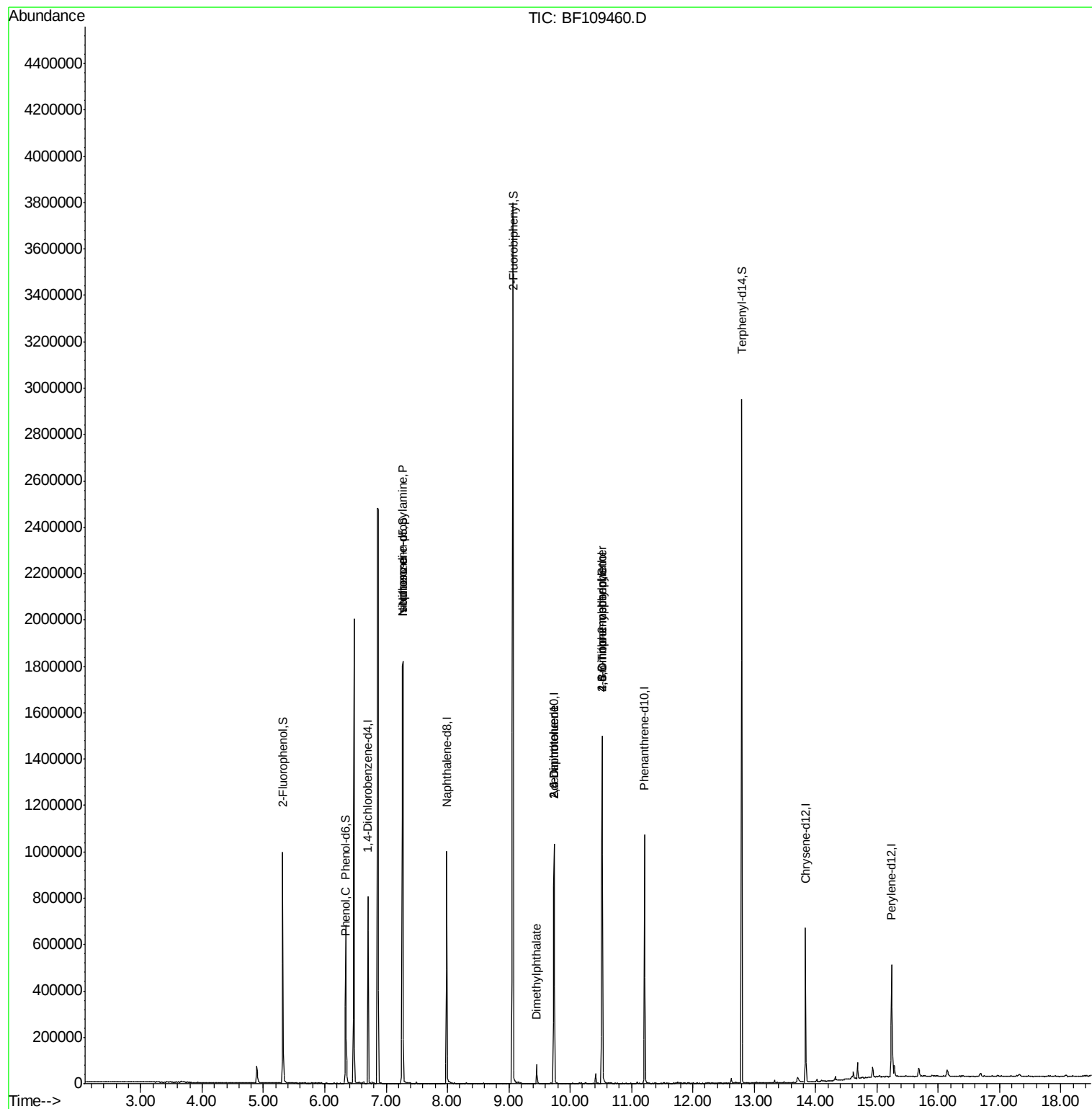
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.35	94	29591	2.878	ng	97
19) n-Nitroso-di-n-propylamine	7.27	70	98293	16.524	ng	# 77
25) Isophorone	7.27	82	692518	51.484	ng	# 64
49) Dimethylphthalate	9.46	163	35214	2.361	ng	99
50) 2,6-Dinitrotoluene	9.74	165	25695	8.697	ng	# 26
56) 2,4-Dinitrotoluene	9.74	165	25695	6.874	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	170	6.618	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	10935	2.640	ng	# 1

(#) = 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

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BNA_F

ClientSampleId :

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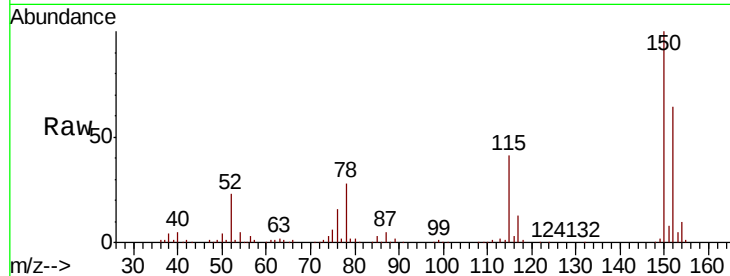
Tgt Ion:152 Resp: 117176

Ion Ratio Lower Upper

152 100

150 156.1 124.6 186.8

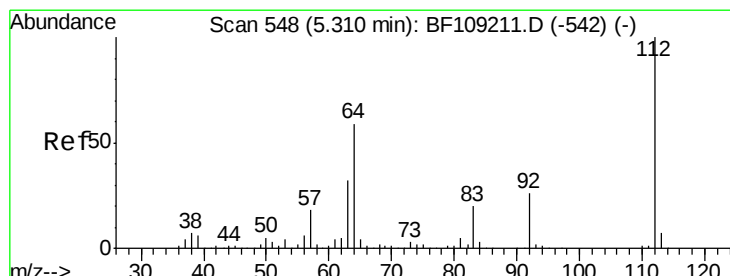
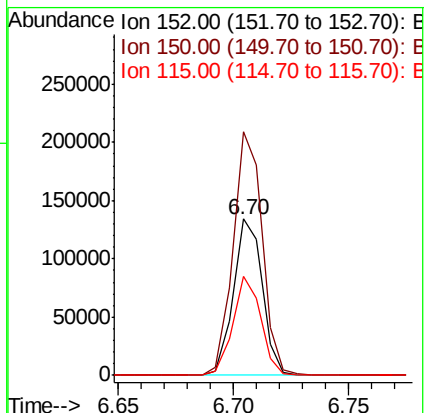
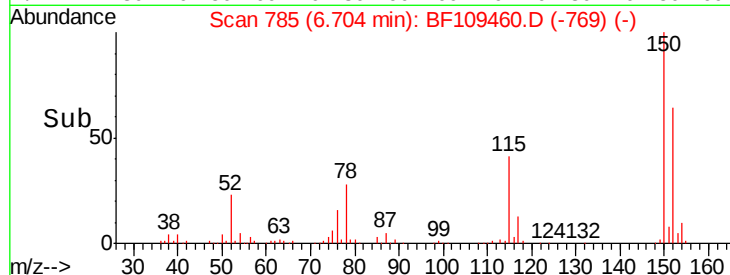
115 63.5 50.1 75.1



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: 36.679 ng

RT: 5.32 min Scan# 549

Delta R.T. -0.00 min

Lab File: BF109460.D

Acq: 29 Sep 2018 5:33

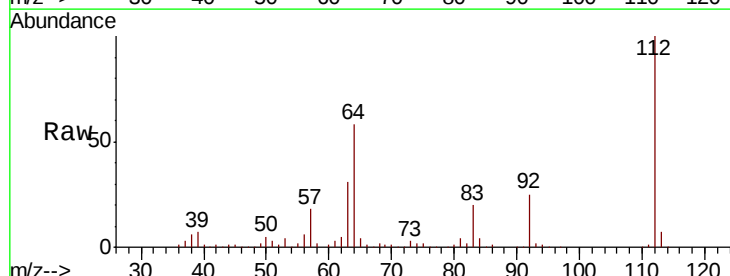
Tgt Ion:112 Resp: 260941

Ion Ratio Lower Upper

112 100

64 58.4 47.9 71.9

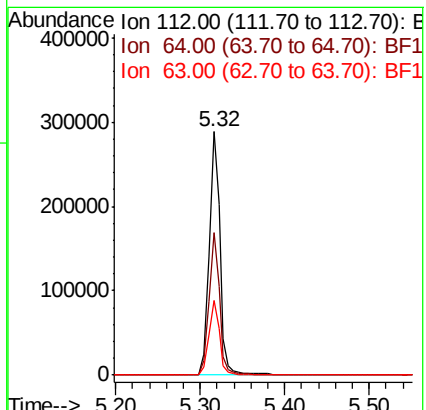
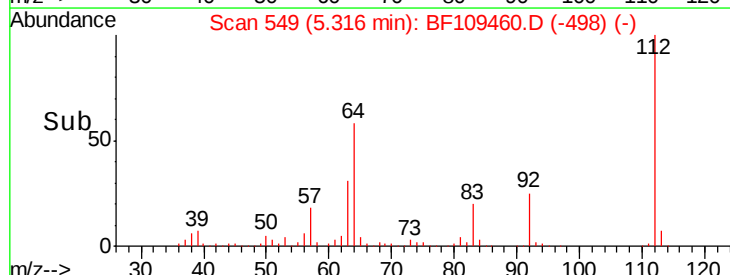
63 30.7 23.7 35.5



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: 22.457 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109460.D

Acq: 29 Sep 2018 5:33

Instrument :

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ClientSampleId :

092618-TIPC-F-U-B

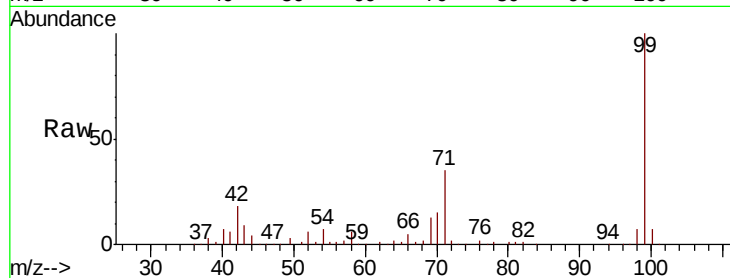
Tgt Ion: 99 Resp: 203867

Ion Ratio Lower Upper

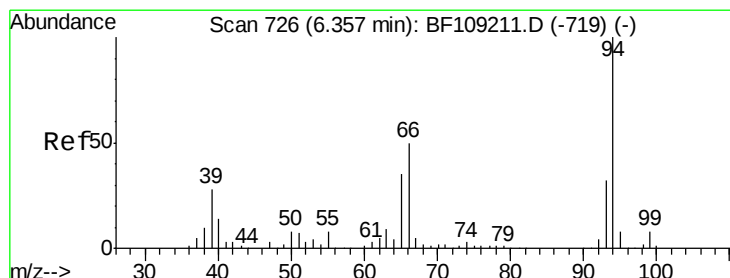
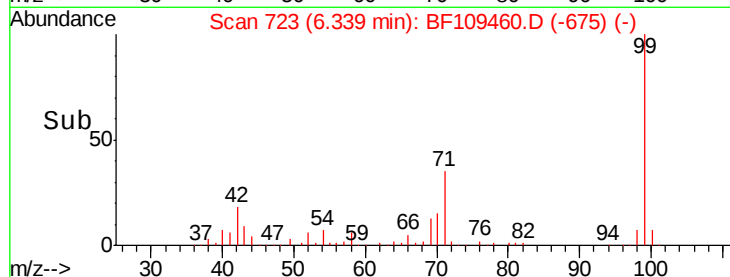
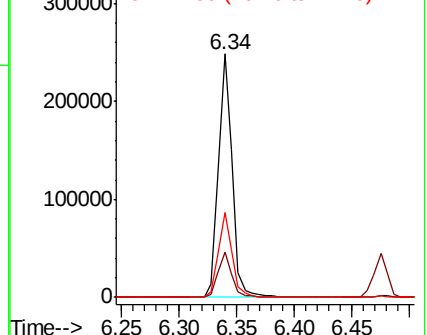
99 100

42 18.4 14.5 21.7

71 35.0 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



#10

Phenol

Concen: 2.878 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF109460.D

Acq: 29 Sep 2018 5:33

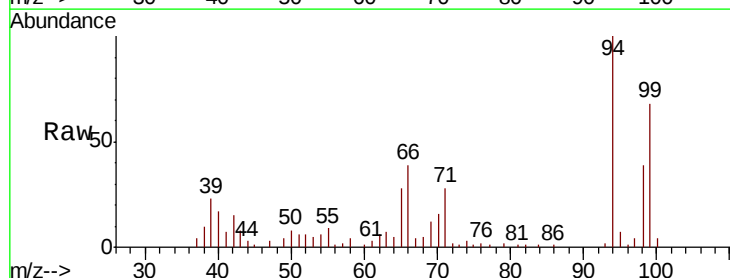
Tgt Ion: 94 Resp: 29591

Ion Ratio Lower Upper

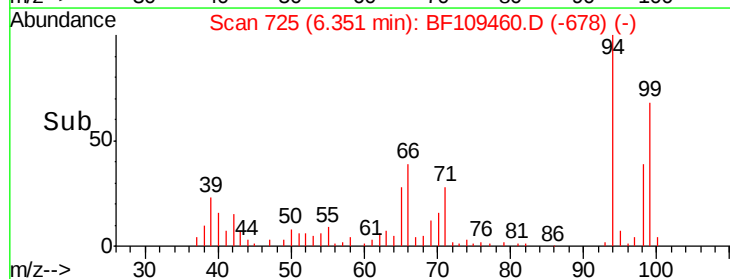
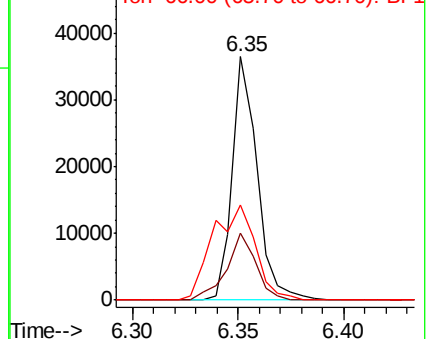
94 100

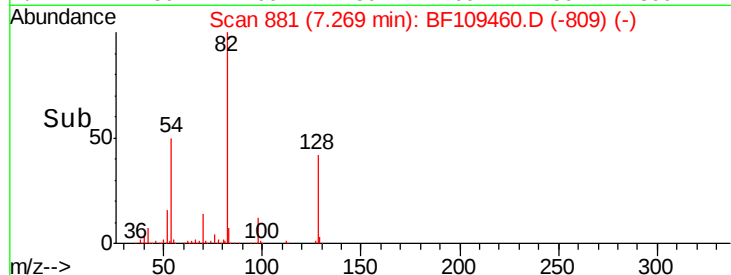
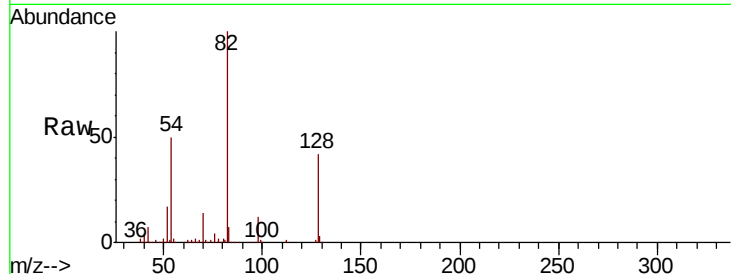
65 27.7 7.9 47.9

66 39.0 16.2 56.2



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

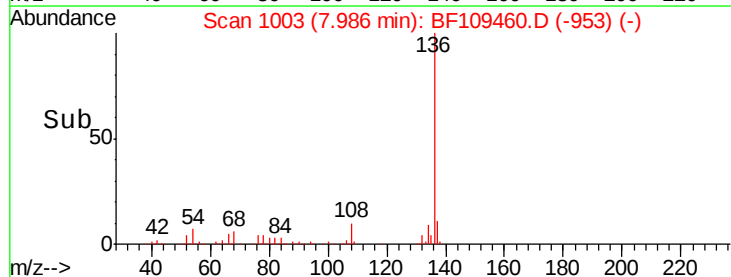
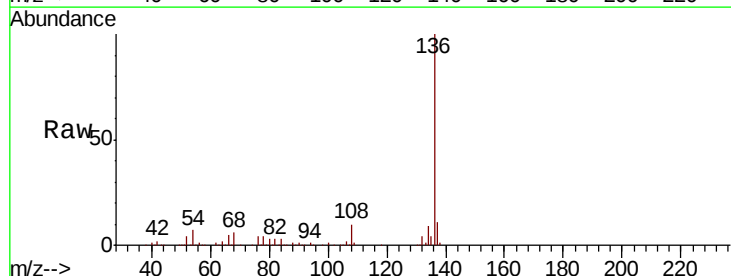
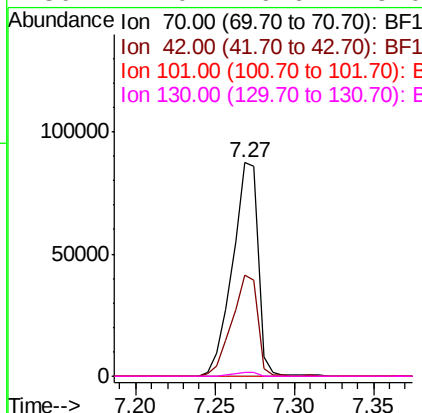




#19
n-Nitroso-di-n-propylamine
Concen: 16.524 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109460.D
Acq: 29 Sep 2018 5:33

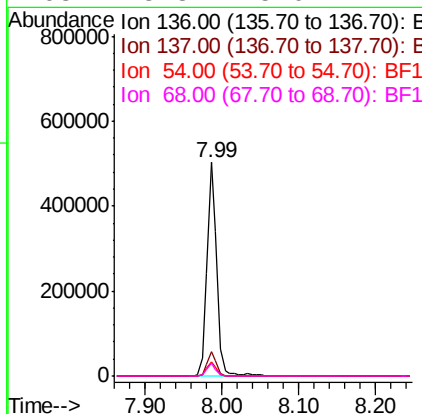
Instrument :
BNA_F
ClientSampleId :
092618-TIPC-F-U-B

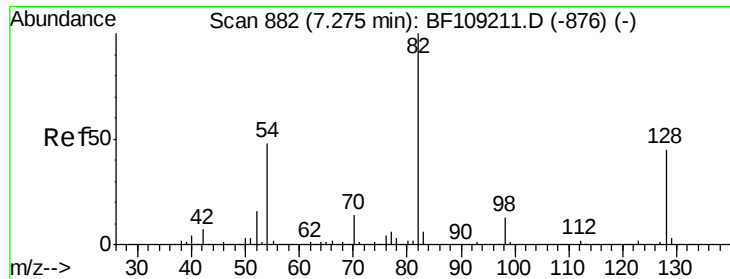
Tgt Ion:	70	Resp:	98293
Ion	Ratio	Lower	Upper
70	100		
42	47.1	47.5	71.3#
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109460.D
Acq: 29 Sep 2018 5:33

Tgt Ion:	136	Resp:	440957
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.8	6.6	9.8
68	5.8	5.0	7.4





#23

Nitrobenzene-d5

Concen: 97.027 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF109460.D

Acq: 29 Sep 2018 5:33

Instrument :

BNA_F

ClientSampleId :

092618-TIPC-F-U-B

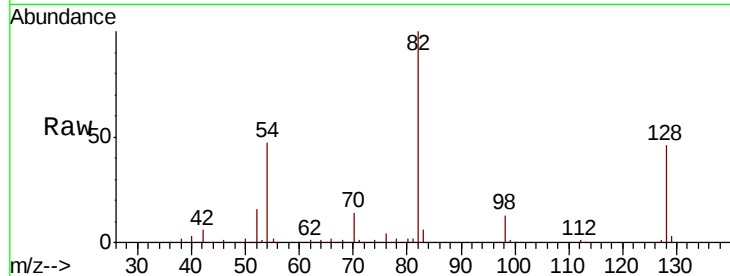
Tgt Ion: 82 Resp: 724777

Ion Ratio Lower Upper

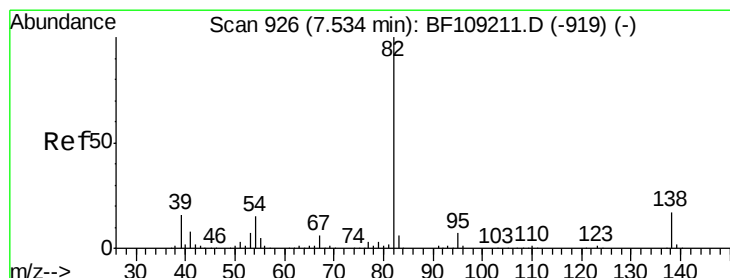
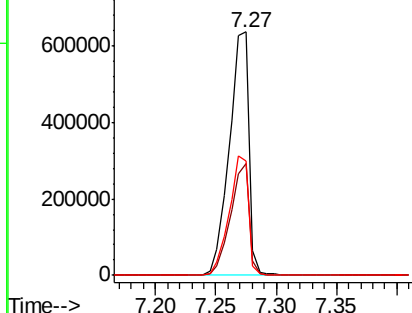
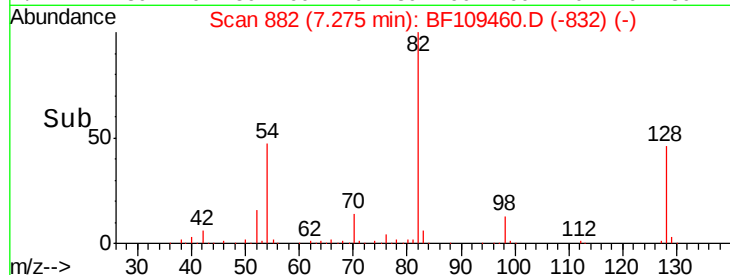
82 100

128 45.9 36.1 54.1

54 46.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 51.484 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.27 min

Lab File: BF109460.D

Acq: 29 Sep 2018 5:33

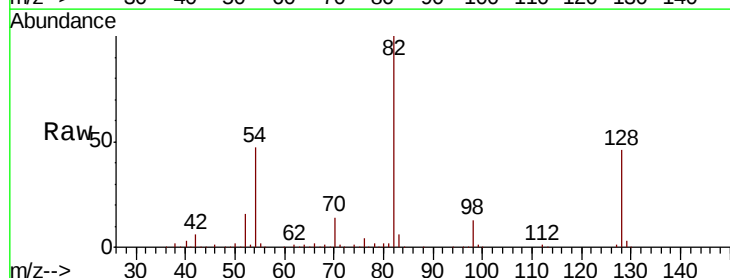
Tgt Ion: 82 Resp: 692518

Ion Ratio Lower Upper

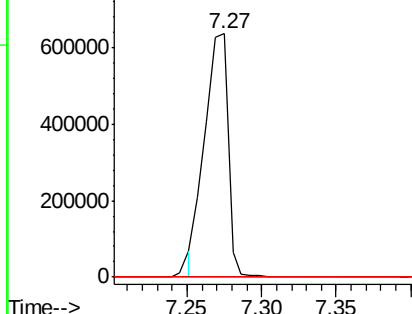
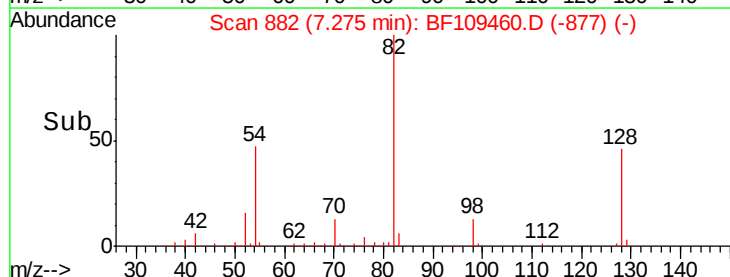
82 100

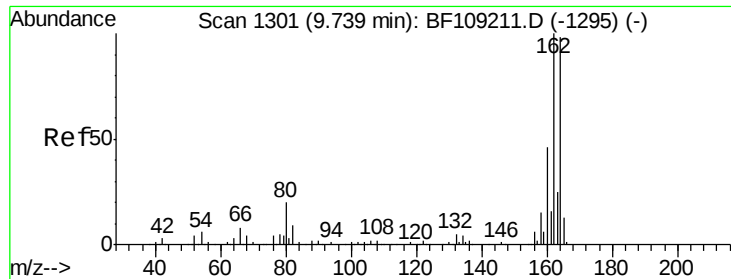
95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

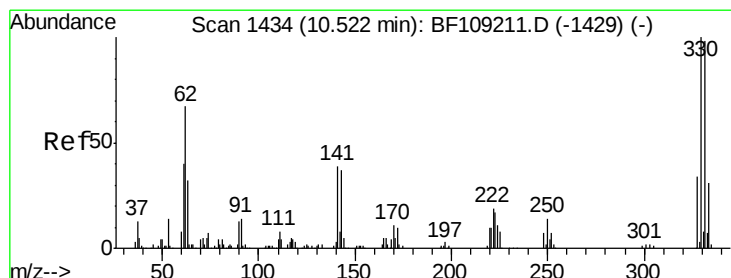
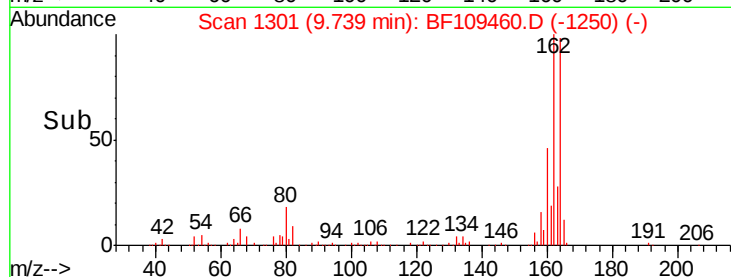
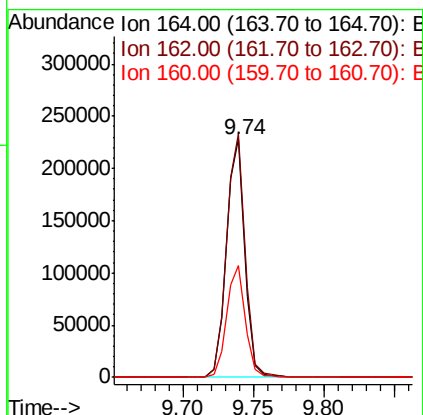
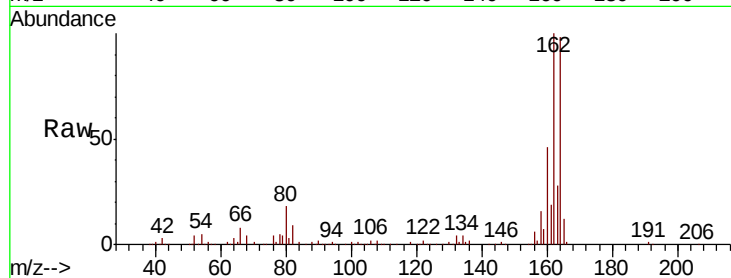




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BF109460.D
 Acq: 29 Sep 2018 5:33

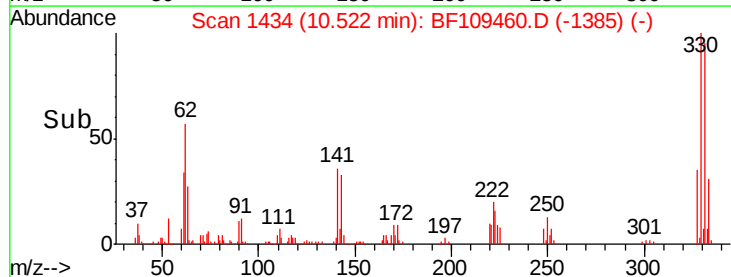
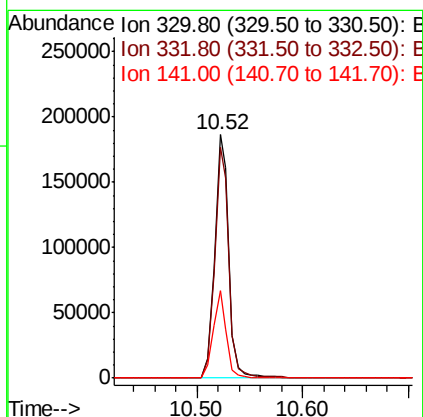
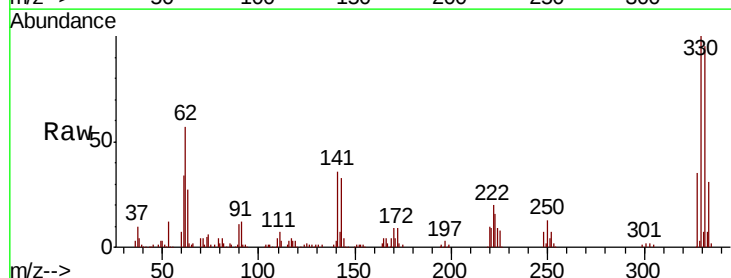
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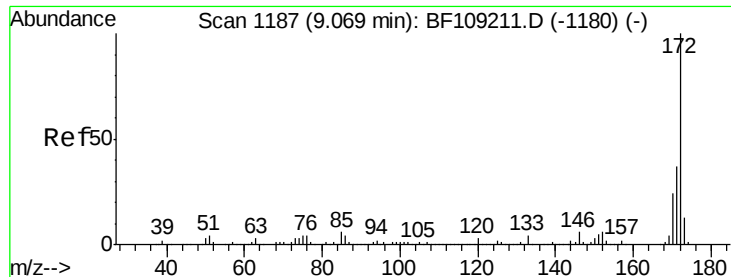
Tgt Ion:164 Resp: 205094
 Ion Ratio Lower Upper
 164 100
 162 102.3 86.1 129.1
 160 46.9 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 87.974 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109460.D
 Acq: 29 Sep 2018 5:33

Tgt Ion:330 Resp: 177865
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 33.4 29.9 44.9

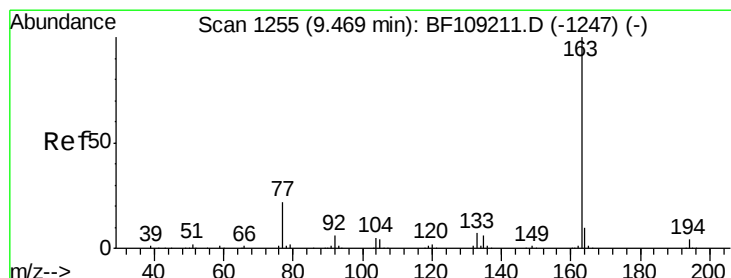
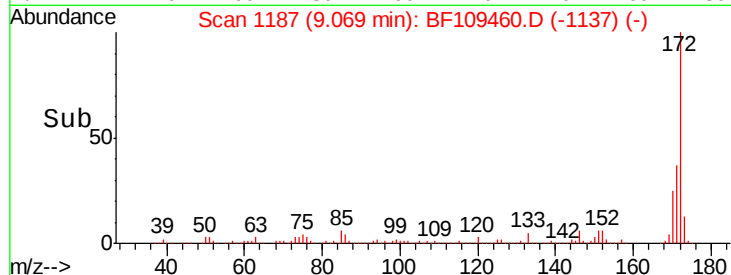
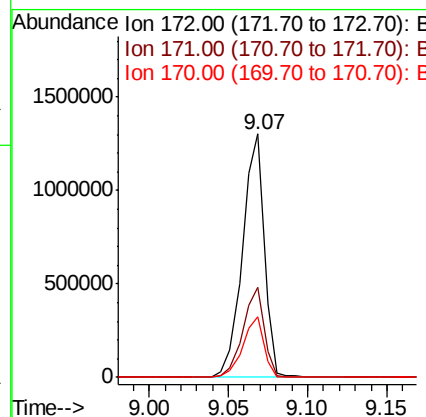
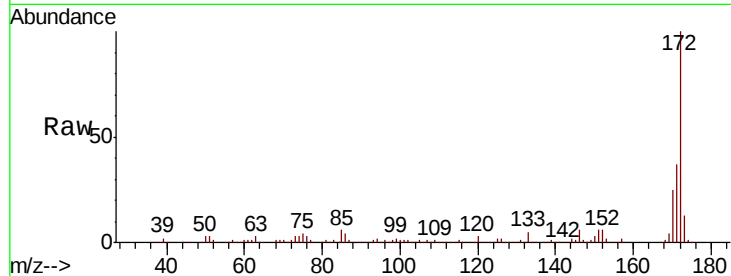




#44
2-Fluorobiphenyl
Concen: 91.415 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF109460.D
Acq: 29 Sep 2018 5:33

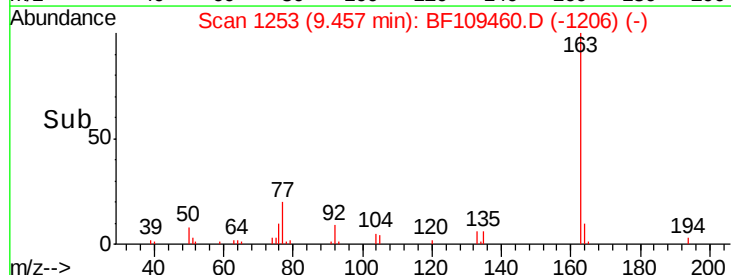
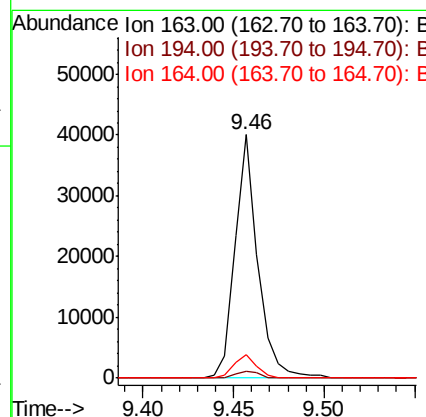
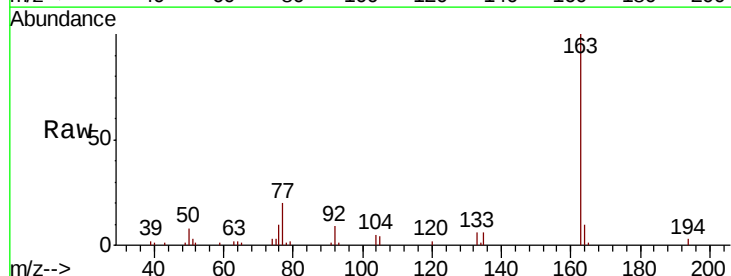
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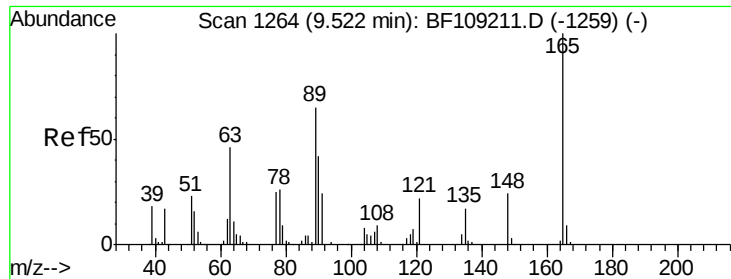
Tgt Ion:172 Resp: 1243127
Ion Ratio Lower Upper
172 100
171 36.8 29.7 44.5
170 24.8 19.6 29.4



#49
Dimethylphthalate
Concen: 2.361 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109460.D
Acq: 29 Sep 2018 5:33

Tgt Ion:163 Resp: 35214
Ion Ratio Lower Upper
163 100
194 2.9 2.7 4.1
164 9.8 8.2 12.2

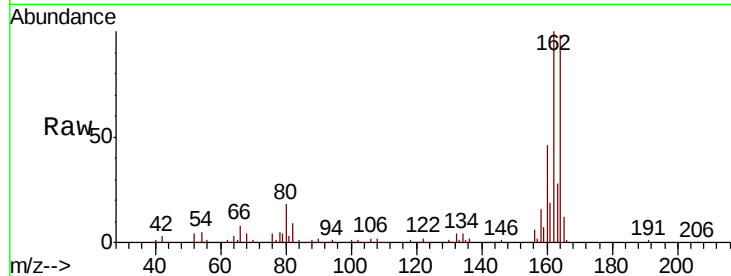




#50
2,6-Dinitrotoluene
Concen: 8.697 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.21 min
Lab File: BF109460.D
Acq: 29 Sep 2018 5:33

Instrument :
BNA_F
ClientSampleId :
092618-TIPC-F-U-B

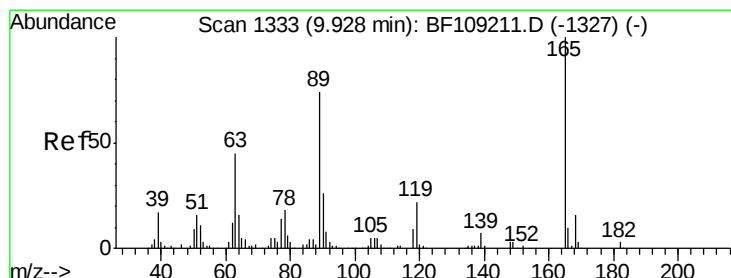
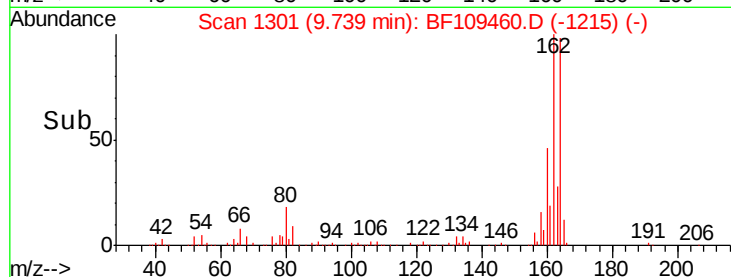
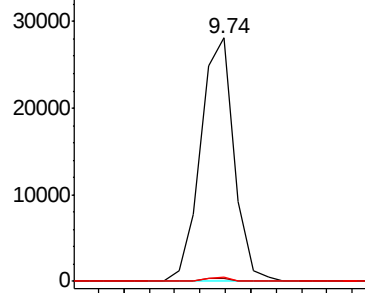
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.7	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

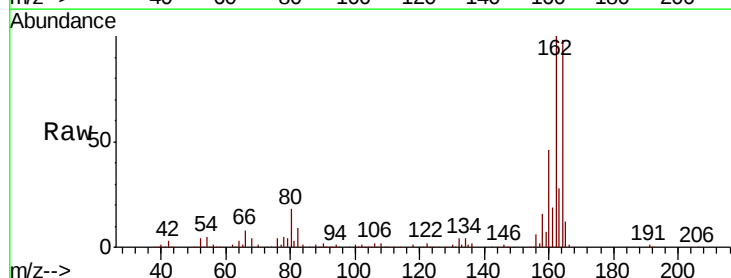
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
2,4-Dinitrotoluene
Concen: 6.874 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.20 min
Lab File: BF109460.D
Acq: 29 Sep 2018 5:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

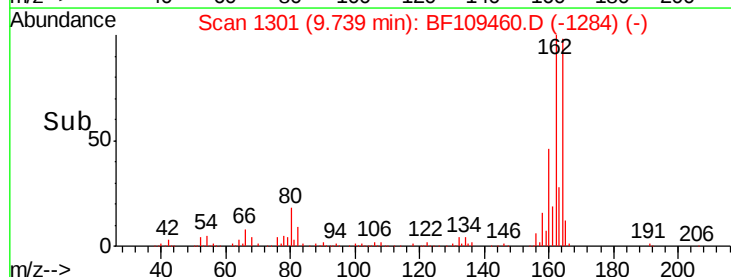
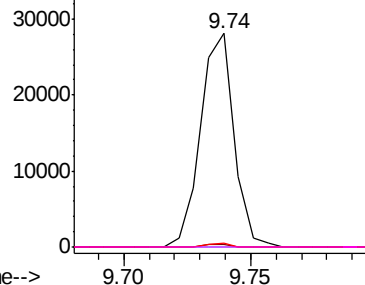


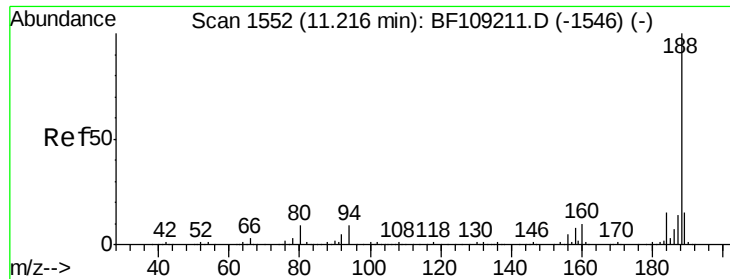
Abundance Ion 165.00 (164.70 to 165.70): E

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

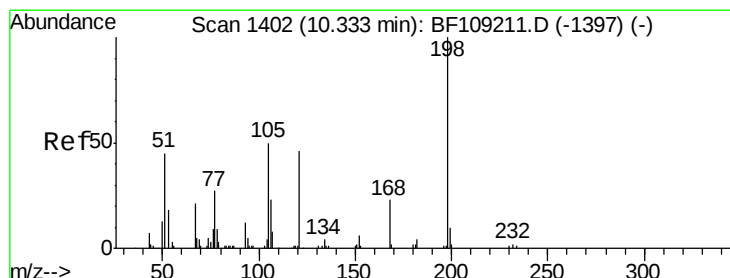
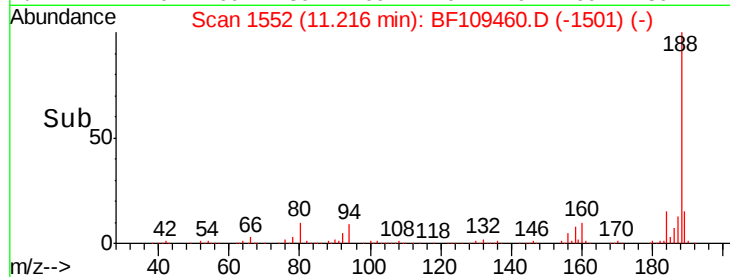
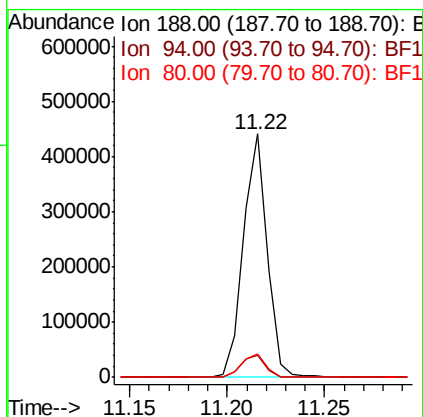
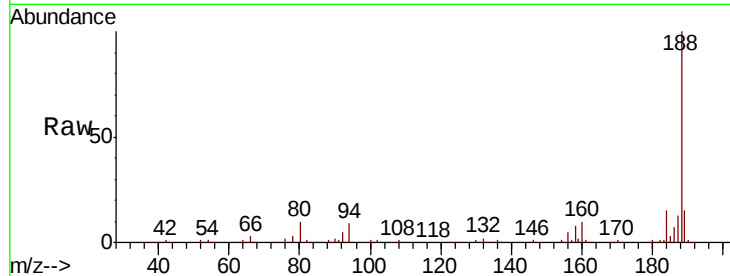




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF109460.D
Acq: 29 Sep 2018 5:33

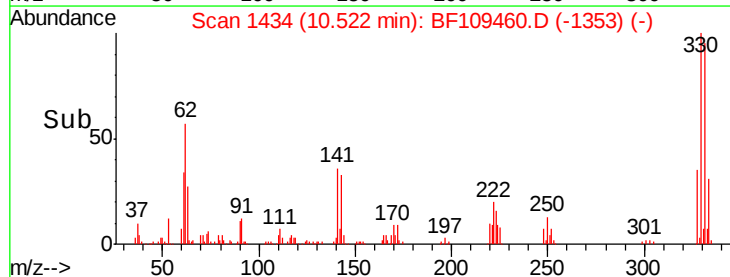
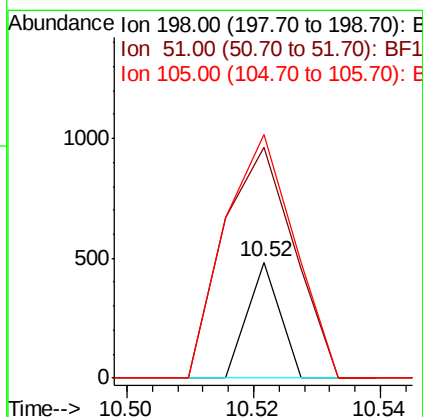
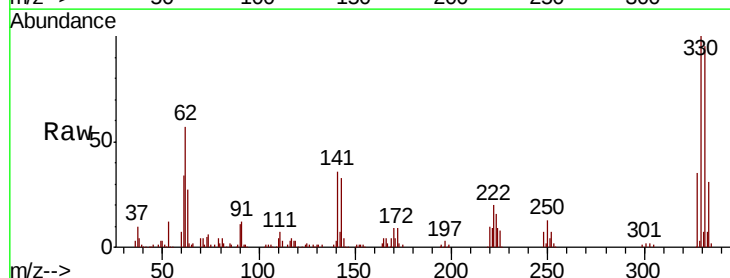
Instrument :
BNA_F
ClientSampleId :
092618-TIPC-F-U-B

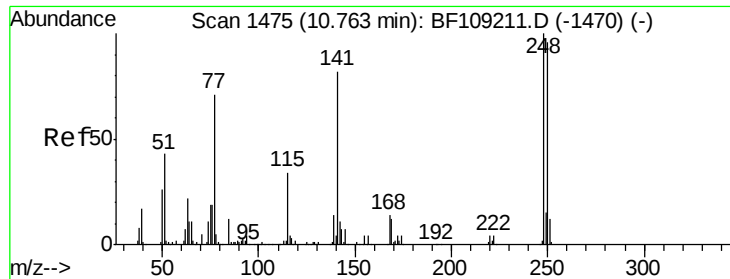
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.5	9.2	13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 6.618 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.18 min
Lab File: BF109460.D
Acq: 29 Sep 2018 5:33

Tgt Ion	Ratio	Lower	Upper
198	100		
51	199.6	37.7	77.7#
105	210.4	36.3	76.3#

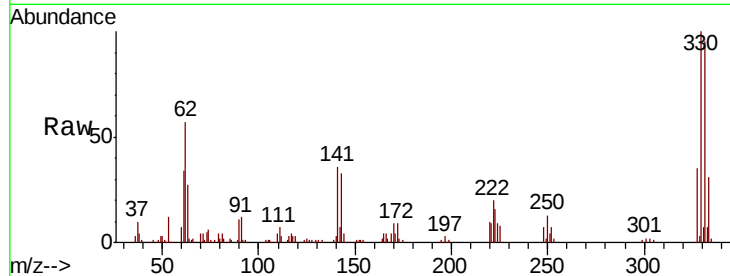




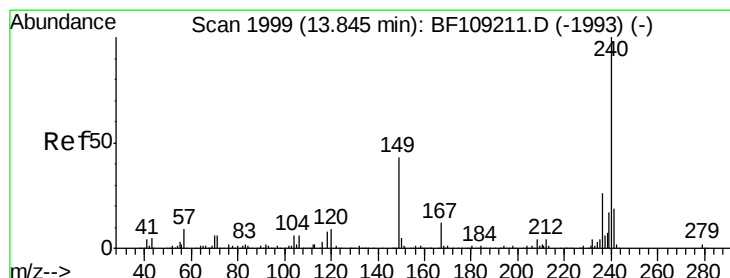
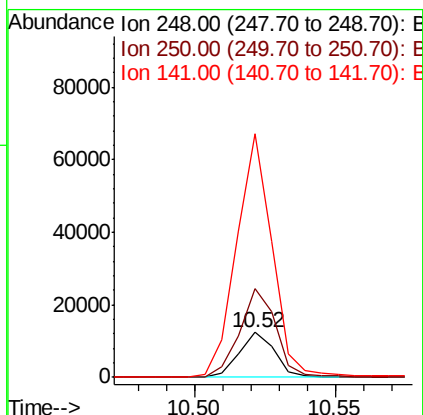
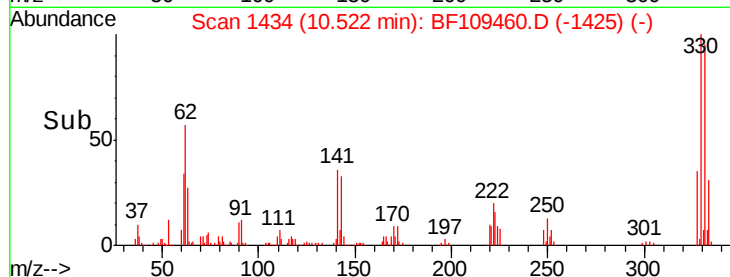
#66
4-Bromophenyl-phenylether
Concen: 2.640 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF109460.D
Acq: 29 Sep 2018 5:33

Instrument :
BNA_F
ClientSampleId :
092618-TIPC-F-U-B

Tgt Ion:248 Resp: 10935
Ion Ratio Lower Upper
248 100
250 196.6 76.9 115.3#
141 541.0 74.4 111.6#

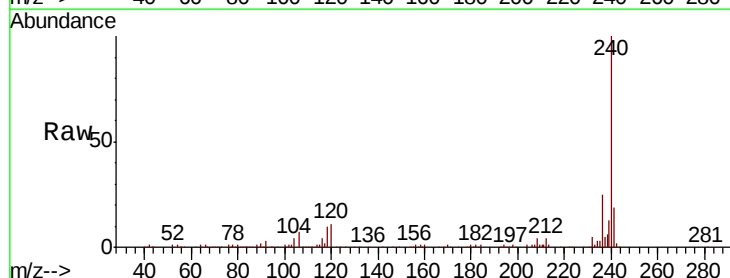


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

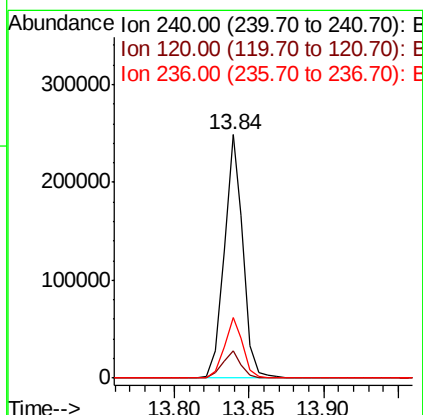
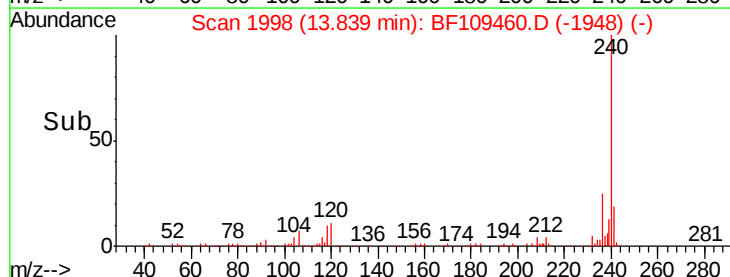


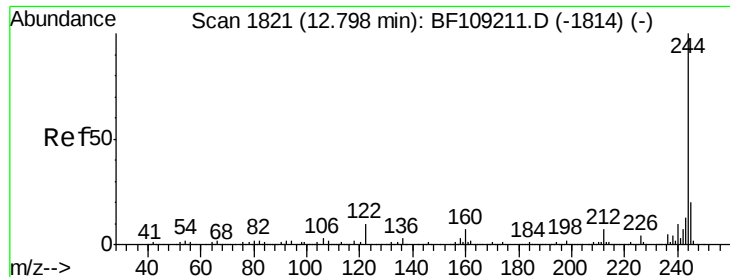
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF109460.D
Acq: 29 Sep 2018 5:33

Tgt Ion:240 Resp: 219673
Ion Ratio Lower Upper
240 100
120 11.2 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





#78

Terphenyl-d14

Concen: 116.126 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109460.D

Acq: 29 Sep 2018 5:33

Instrument :

BNA_F

ClientSampleId :

092618-TIPC-F-U-B

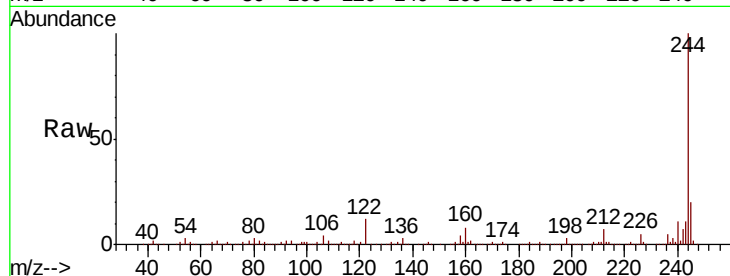
Tgt Ion:244 Resp: 1039445

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

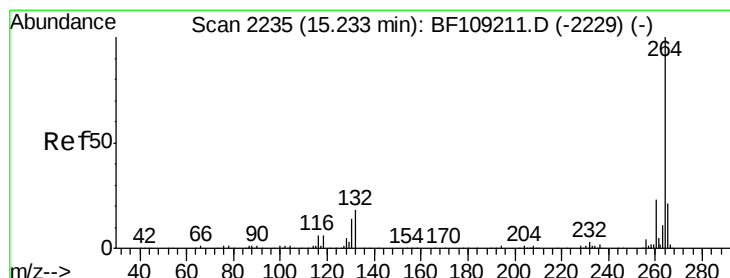
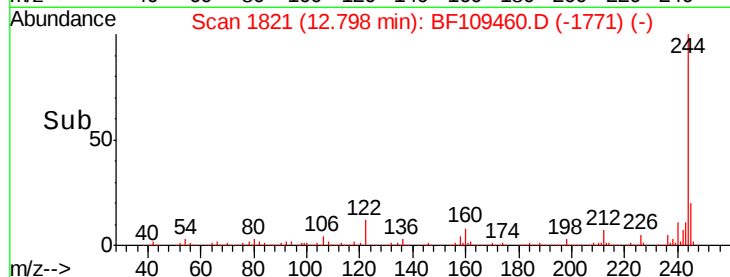
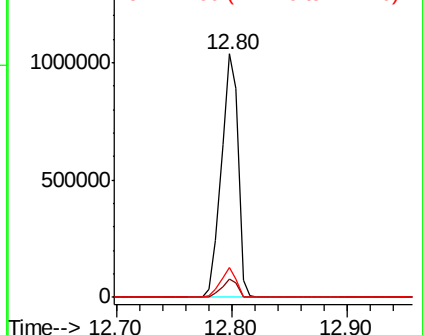
122 12.5 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF109460.D

Acq: 29 Sep 2018 5:33

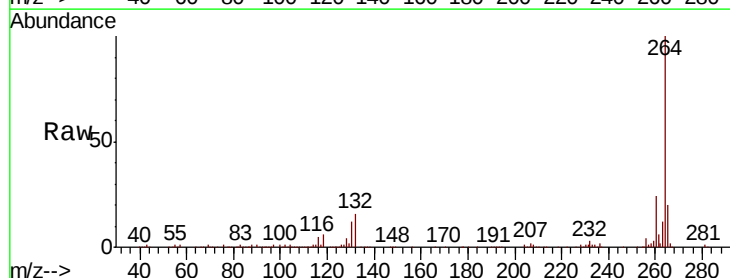
Tgt Ion:264 Resp: 221753

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 20.1 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

