

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082517\
 Data File : BF098046.D
 Acq On : 25 Aug 2017 22:39
 Operator : SJ/JU
 Sample : I4955-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-002-A

Quant Time: Aug 25 23:23:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

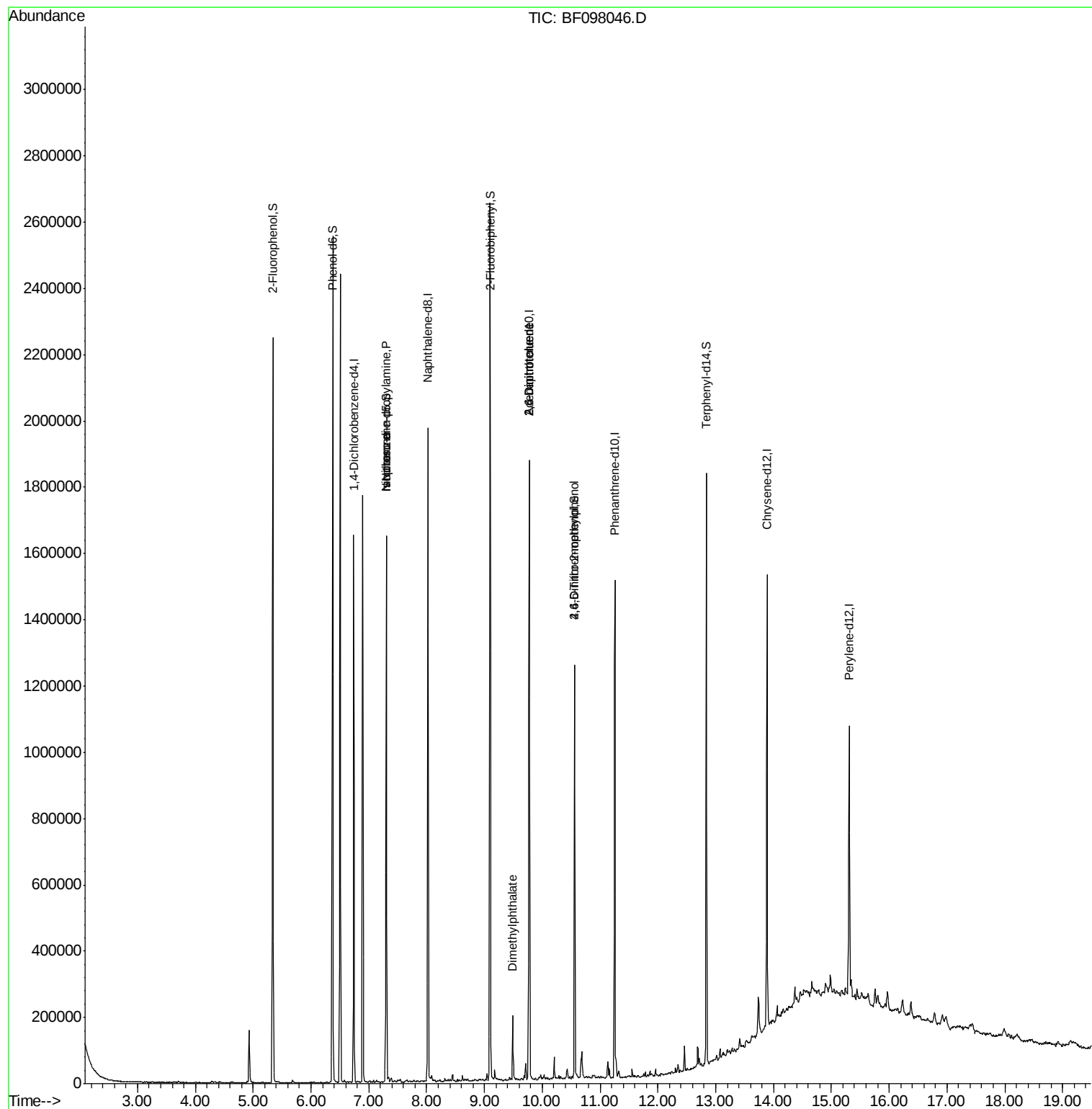
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	219860	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	831997	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	334726	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	529096	20.00	ng	0.00
75) Chrysene-d12	13.89	240	466037	20.00	ng	-0.01
86) Perylene-d12	15.31	264	384103	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	701998	48.57	ng	0.00
7) Phenol-d6	6.37	99	980726	49.94	ng	-0.01
23) Nitrobenzene-d5	7.30	82	576129	37.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	127518	43.91	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	775868	34.05	ng	-0.01
78) Terphenyl-d14	12.84	244	496800	22.23	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	77544	5.77	ng	# 70
25) Isophorone	7.30	82	567528	17.82	ng	# 67
49) Dimethylphthalate	9.49	163	63243	2.58	ng	99
50) 2,6-Dinitrotoluene	9.77	165	42609	8.72	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	42609	6.95	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	166	8.38	ng	# 1

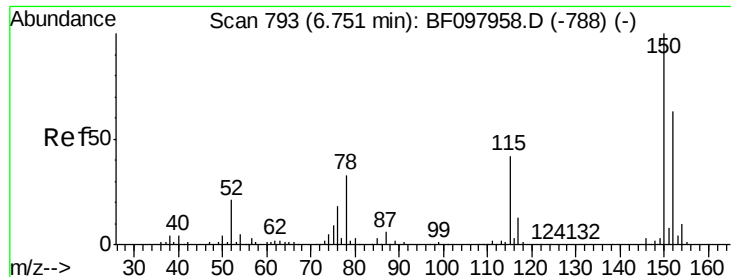
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 21 15:59:04 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF098046.D

Acq: 25 Aug 2017 22:39

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-A

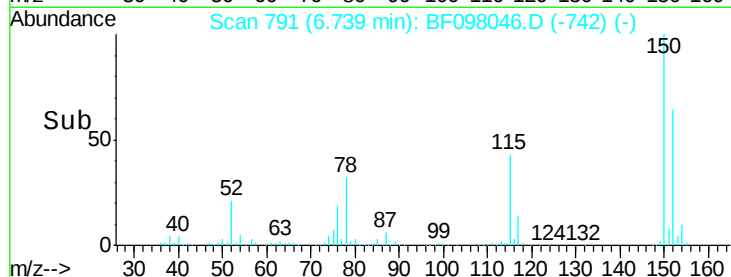
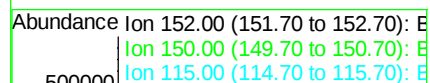
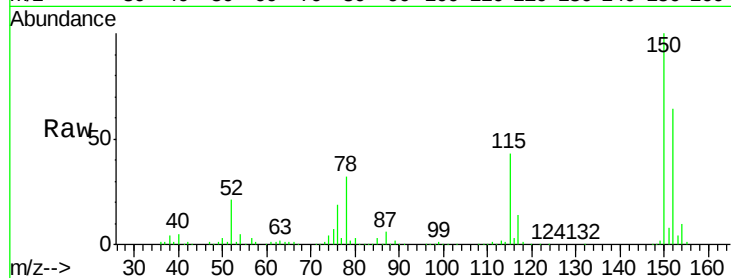
Tot Ion:152 Resp: 219860

Ion Ratio Lower Upper

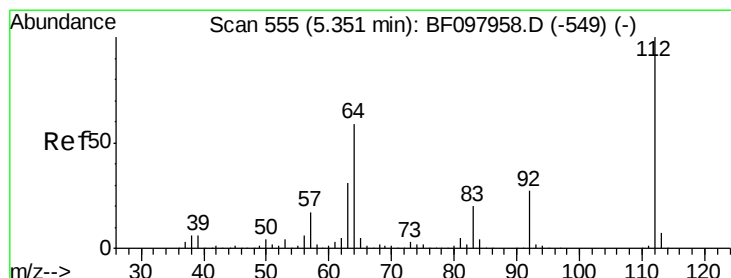
152 100

150 155.3 126.2 189.2

115 67.0 52.2 78.2



Time-->



#5

2-Fluorophenol

Concen: 48.57 ng

RT: 5.35 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF098046.D

Acq: 25 Aug 2017 22:39

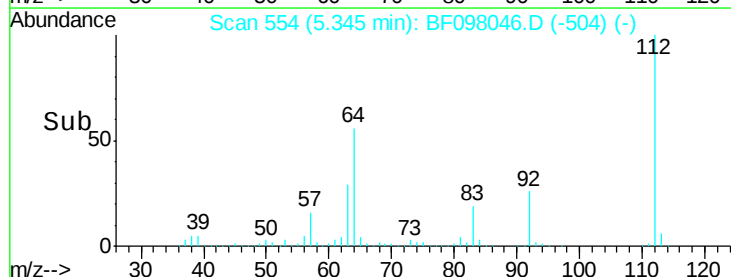
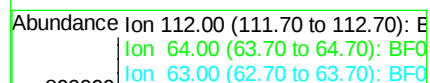
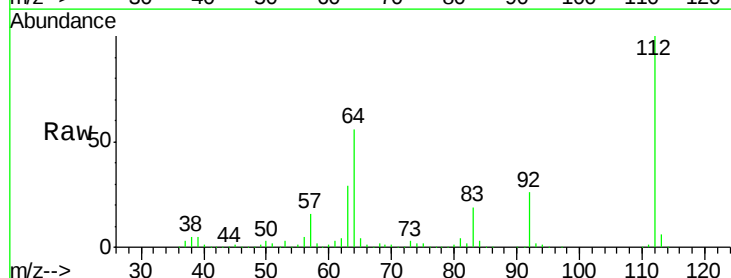
Tgt Ion:112 Resp: 701998

Ion Ratio Lower Upper

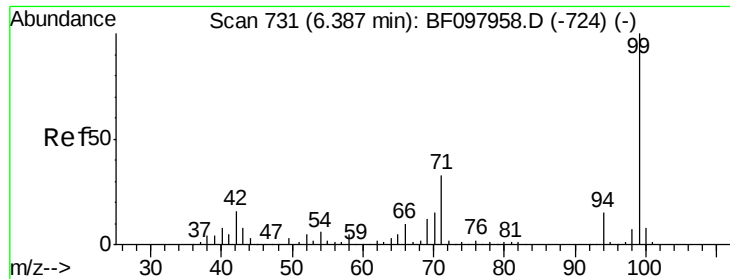
112 100

64 56.1 46.0 69.0

63 29.2 23.4 35.0



Time-->



#7

Phenol-d6

Concen: 49.94 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098046.D

Acq: 25 Aug 2017 22:39

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-A

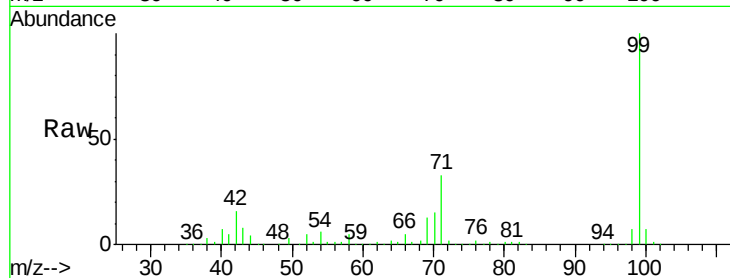
Tot Ion: 99 Resp: 980726

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

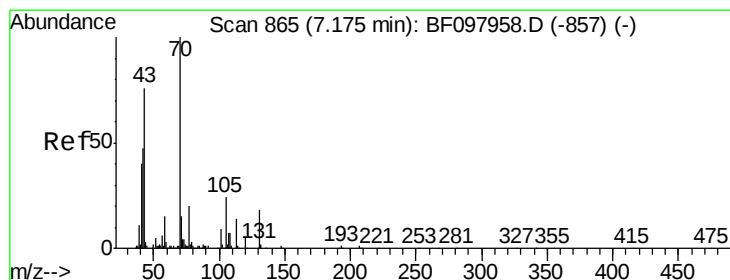
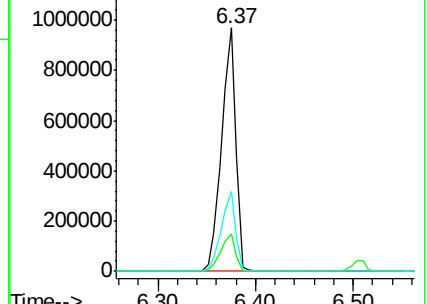
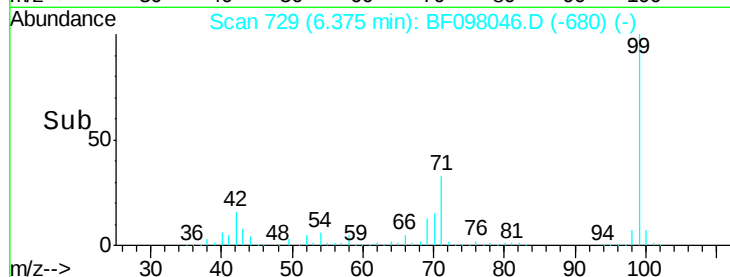
71 32.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 5.77 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF098046.D

Acq: 25 Aug 2017 22:39

Tgt Ion: 70 Resp: 77544

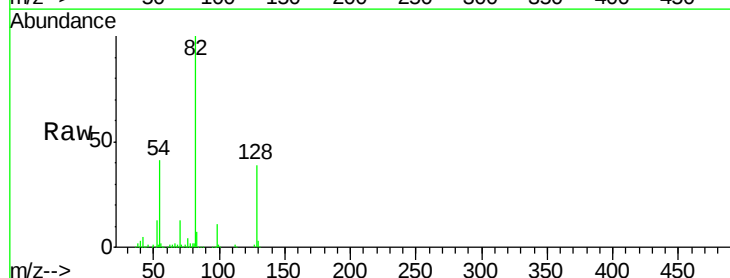
Ion Ratio Lower Upper

70 100

42 38.2 47.2 70.8#

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

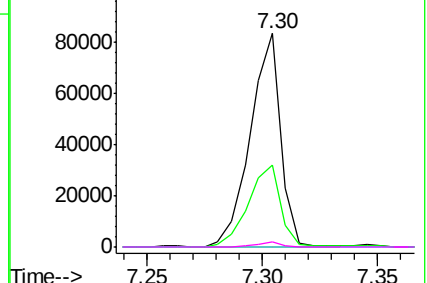
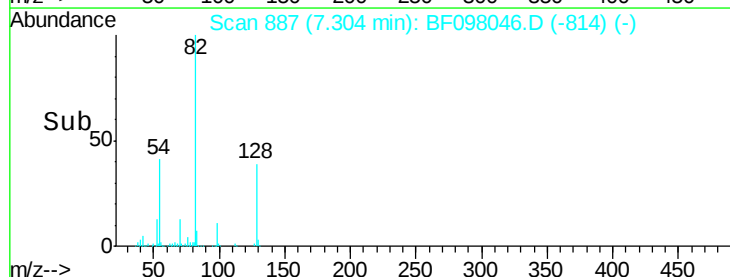


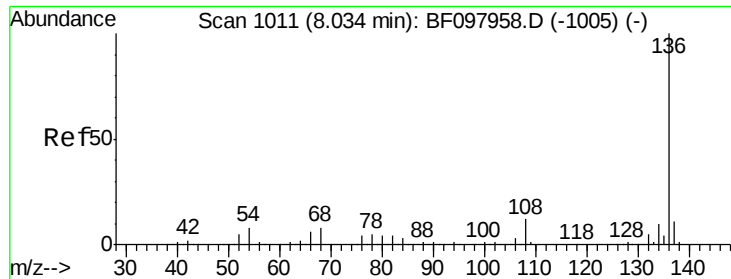
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

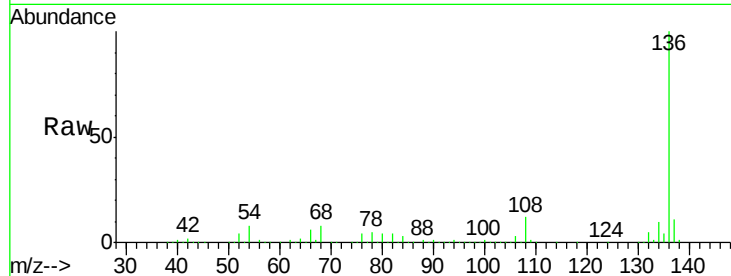




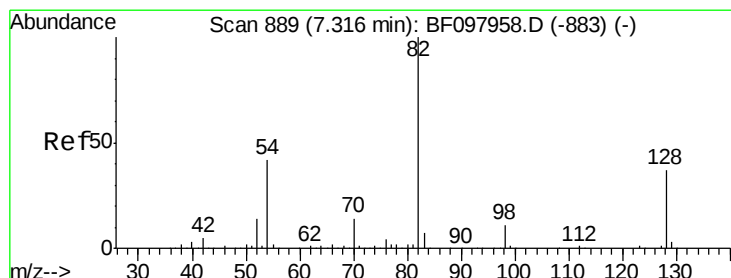
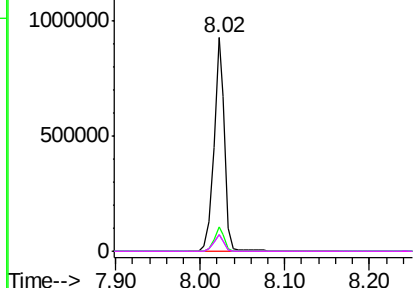
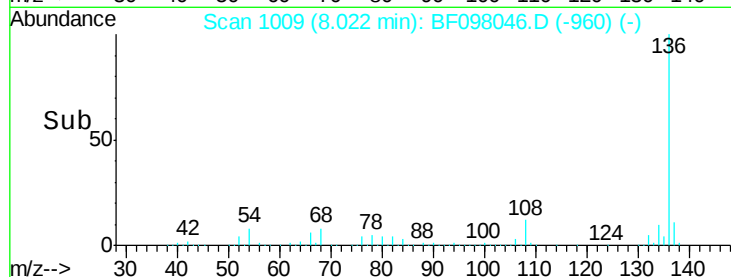
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098046.D
Acq: 25 Aug 2017 22:39

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-002-A

Tot Ion:136	Resp:	831997
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.5 12.7
54	7.8	4.9 7.3#
68	7.6	4.1 6.1#

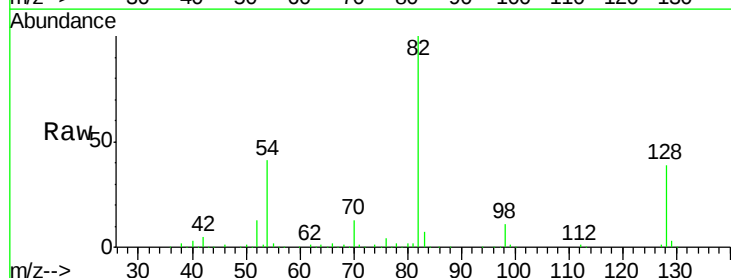


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

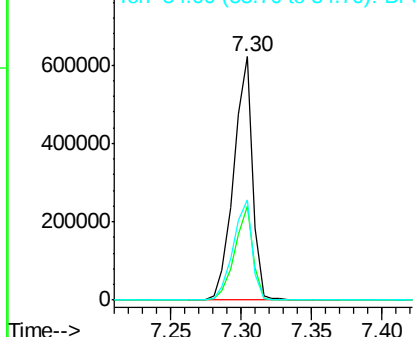
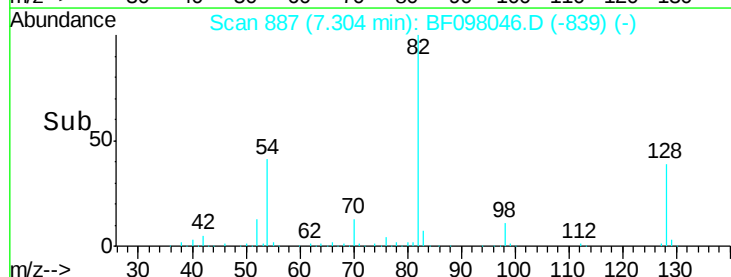


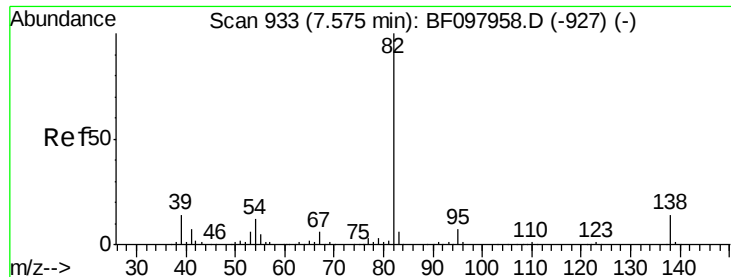
#23
Nitrobenzene-d5
Concen: 37.62 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098046.D
Acq: 25 Aug 2017 22:39

Tgt Ion: 82	Resp:	576129
Ion Ratio	Lower	Upper
82	100	
128	38.5	34.0 51.0
54	41.2	42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 17.82 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF098046.D

Acq: 25 Aug 2017 22:39

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-A

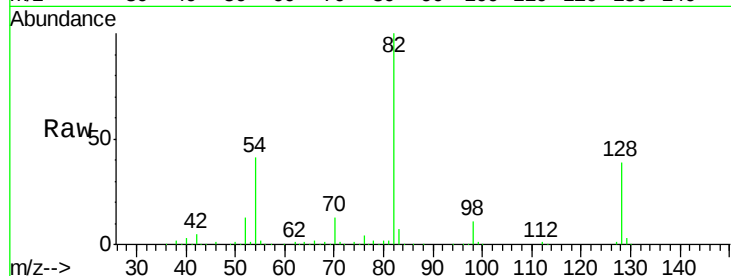
Tot Ion: 82 Resp: 567528

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

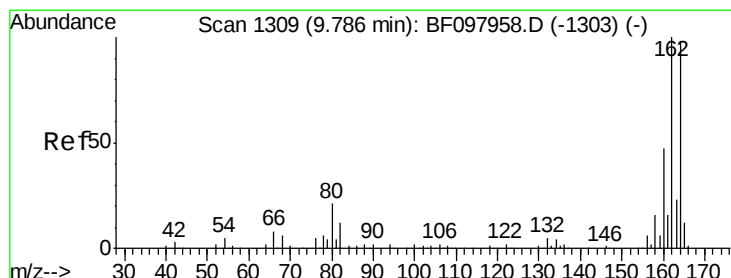
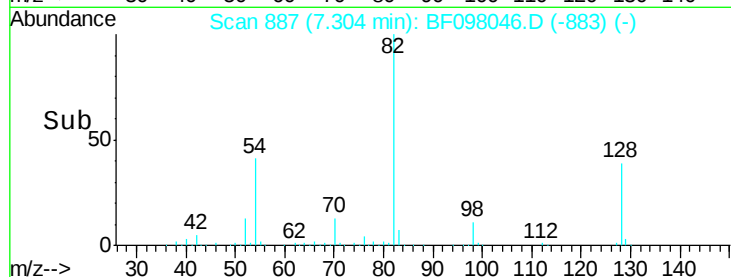
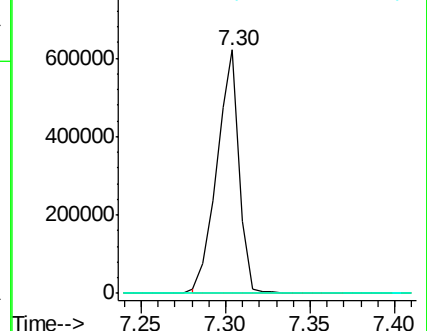
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF098046.D

Acq: 25 Aug 2017 22:39

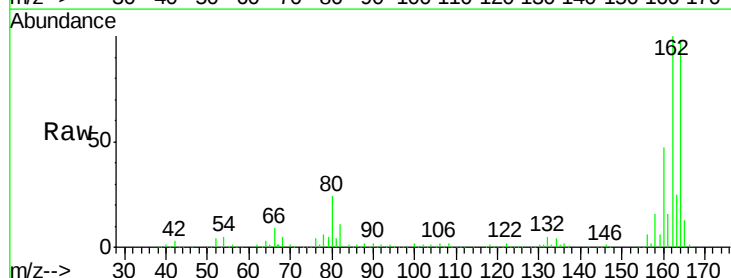
Tgt Ion:164 Resp: 334726

Ion Ratio Lower Upper

164 100

162 101.8 82.6 123.8

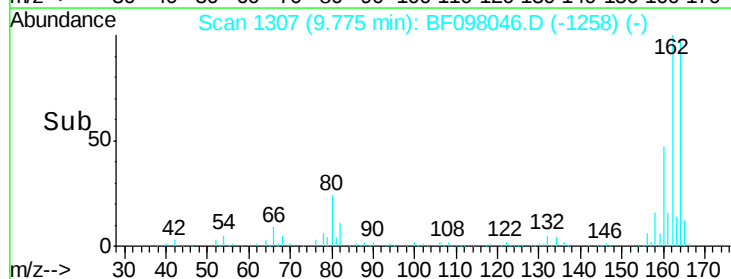
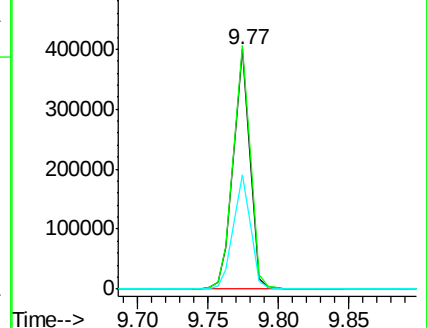
160 47.9 36.2 54.2

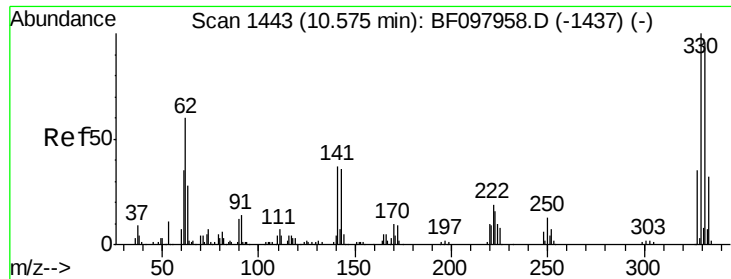


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

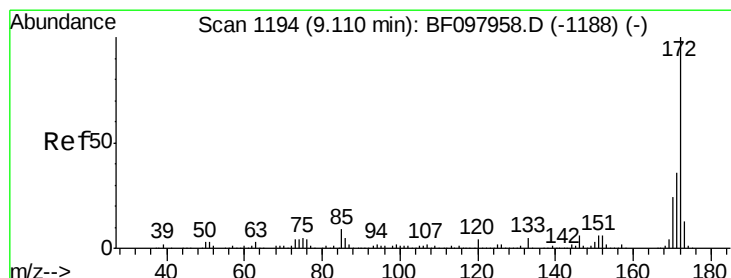
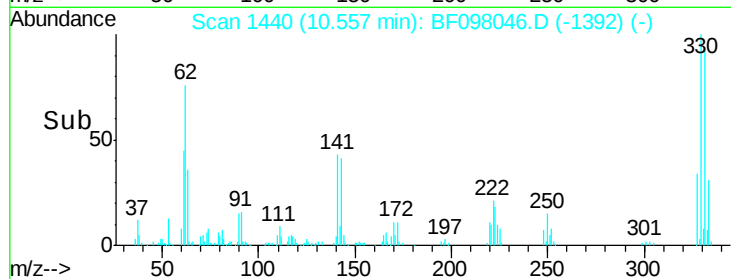
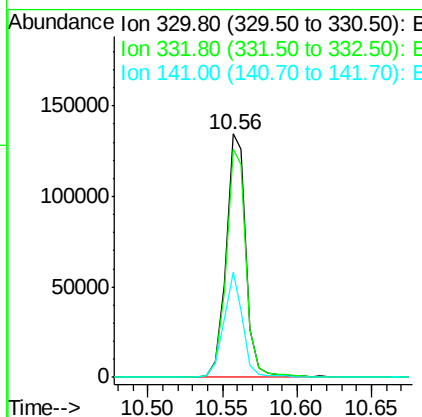
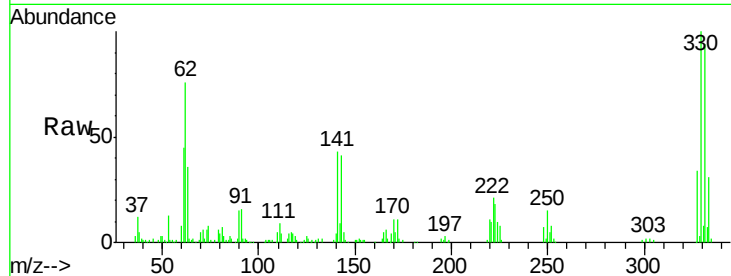




#41
 2,4,6-Tribromophenol
 Concen: 43.91 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098046.D
 Acq: 25 Aug 2017 22:39

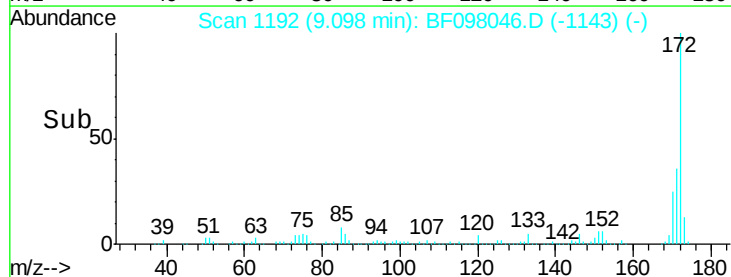
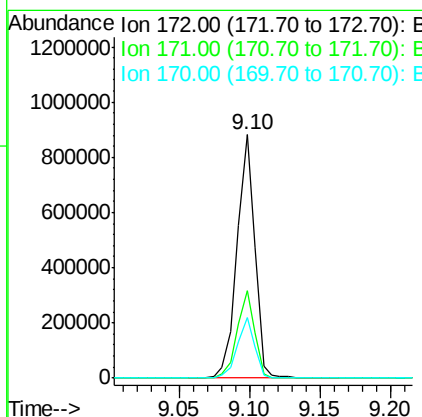
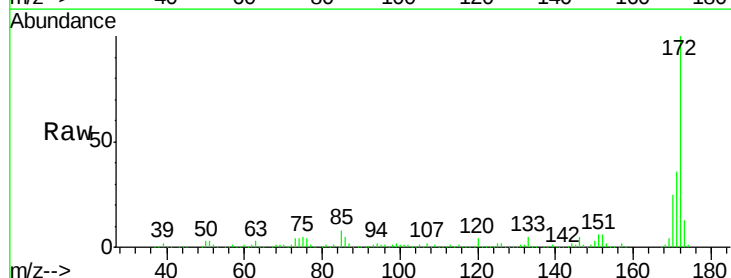
Instrument :
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 FK-SF-03-002-A

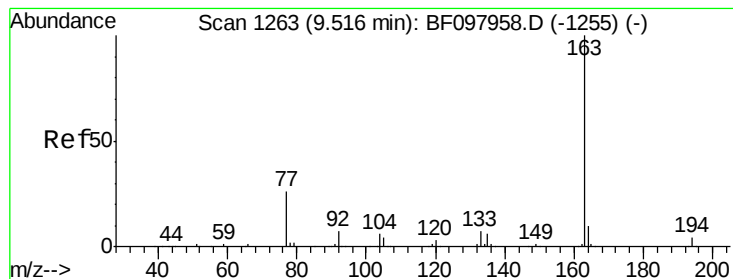
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.1	76.6	115.0
141	41.1	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 34.05 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098046.D
 Acq: 25 Aug 2017 22:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.7	19.8	29.8





#49

Dimethylphthalate

Concen: 2.58 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF098046.D

Acq: 25 Aug 2017 22:39

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-A

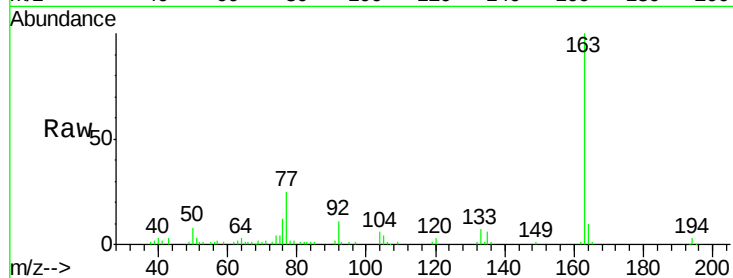
Tot Ion:163 Resp: 63243

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

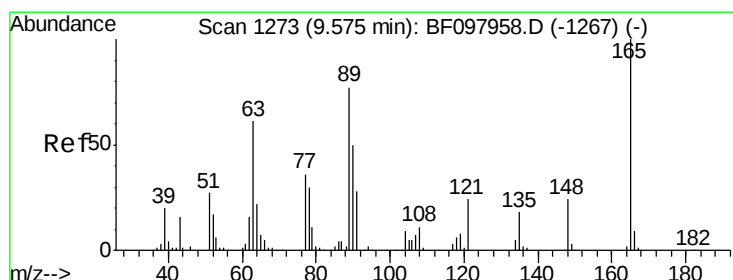
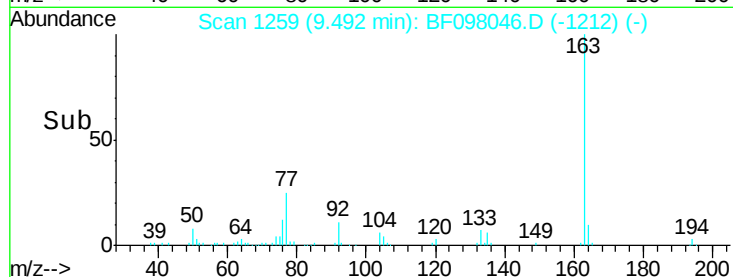
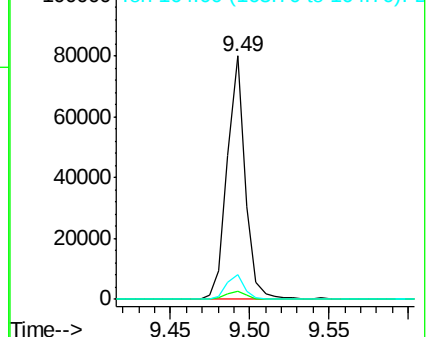
164 9.9 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 8.72 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.20 min

Lab File: BF098046.D

Acq: 25 Aug 2017 22:39

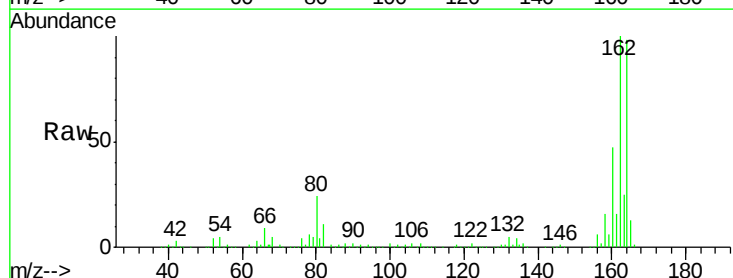
Tgt Ion:165 Resp: 42609

Ion Ratio Lower Upper

165 100

63 1.3 34.3 51.5#

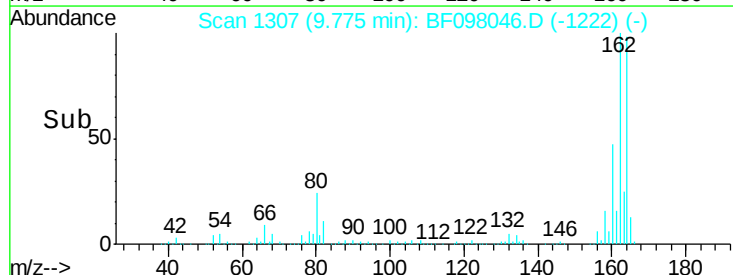
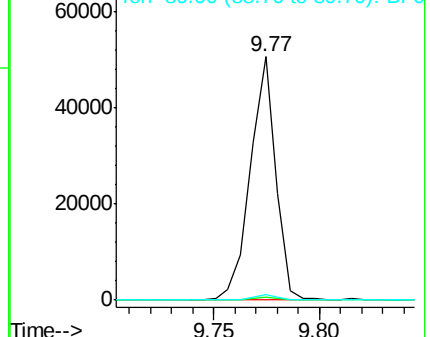
89 2.0 37.1 55.7#

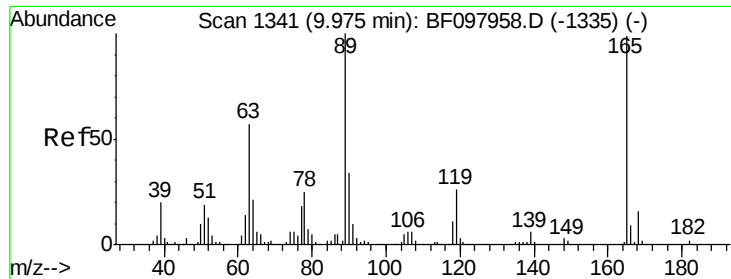


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

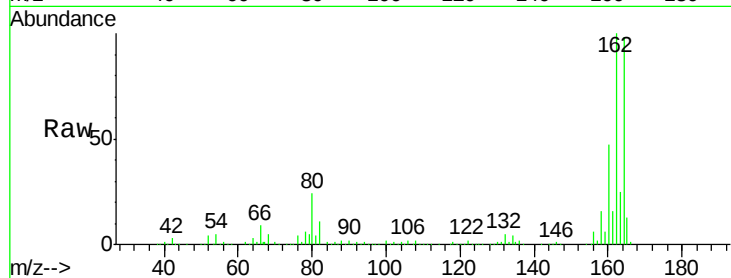




#56
 2,4-Dinitrotoluene
 Concen: 6.95 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.20 min
 Lab File: BF098046.D
 Acq: 25 Aug 2017 22:39

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-002-A

Tot Ion:165	Resp:	42609
Ion Ratio	Lower	Upper
165	100	
63	1.3	25.4 38.0#
89	2.0	46.4 69.6#
182	0.0	1.8 2.6#

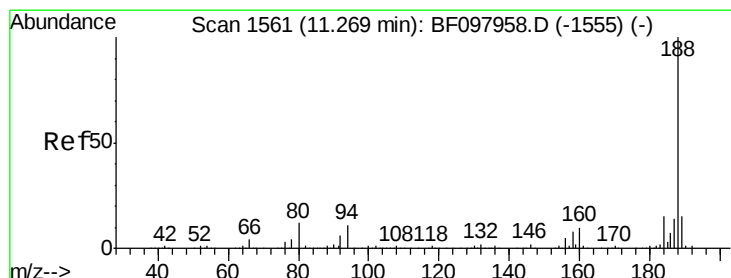
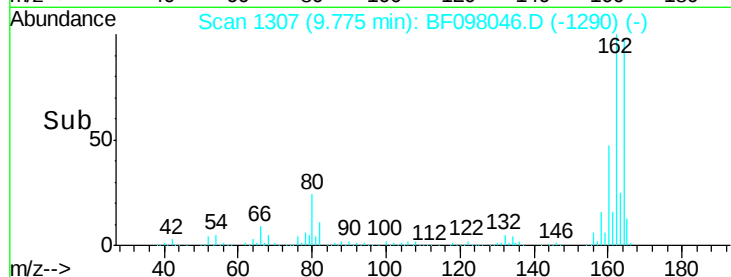
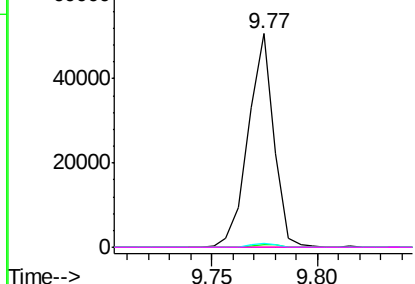


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

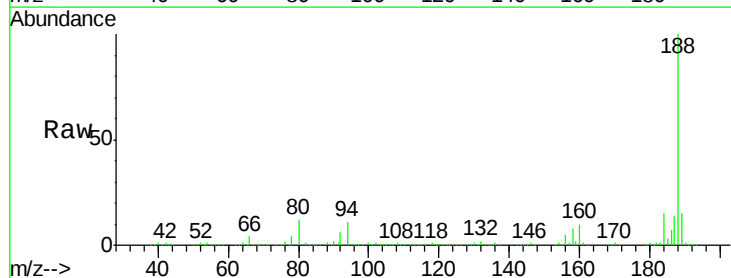
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF098046.D
 Acq: 25 Aug 2017 22:39

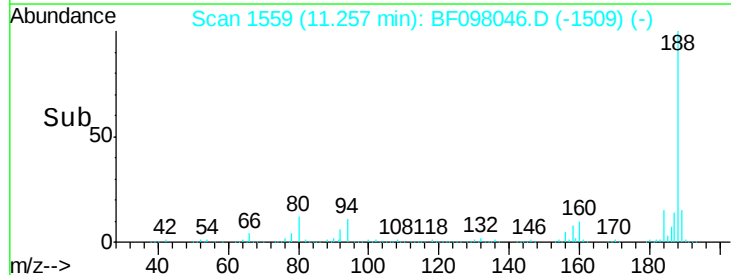
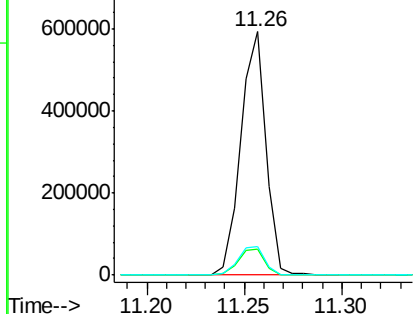
Tgt Ion:188	Resp:	529096
Ion Ratio	Lower	Upper
188	100	
94	10.9	9.4 14.2
80	11.8	10.2 15.2

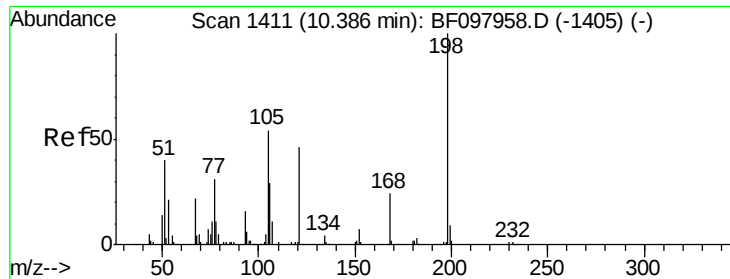


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

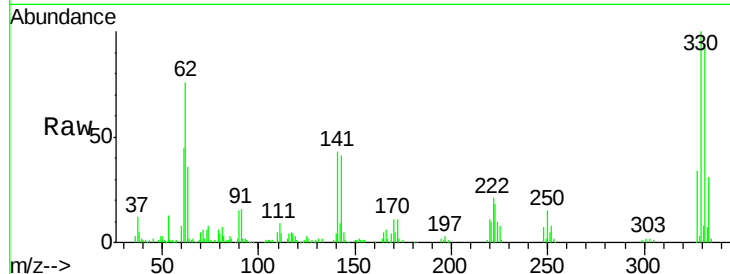




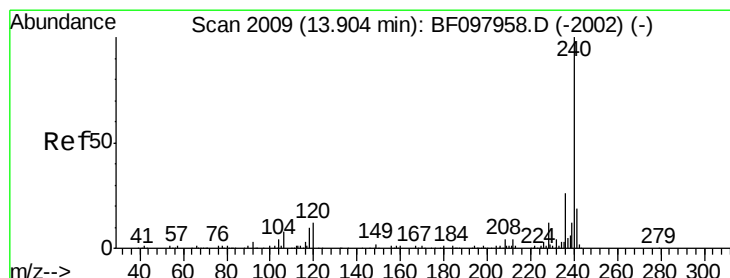
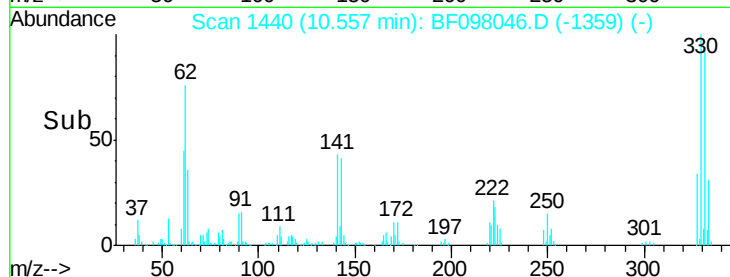
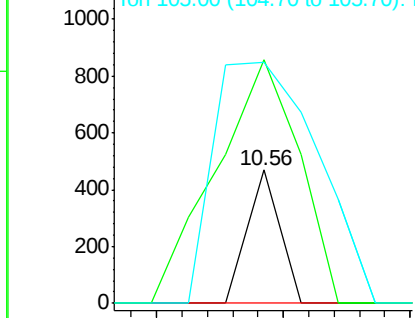
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.38 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.18 min
 Lab File: BF098046.D
 Acq: 25 Aug 2017 22:39

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-002-A

Tot Ion:198 Resp: 166
 Ion Ratio Lower Upper
 198 100
 51 182.7 53.2 93.2#
 105 180.8 45.8 85.8#

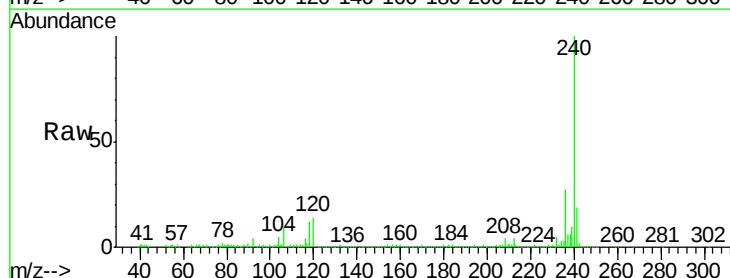


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

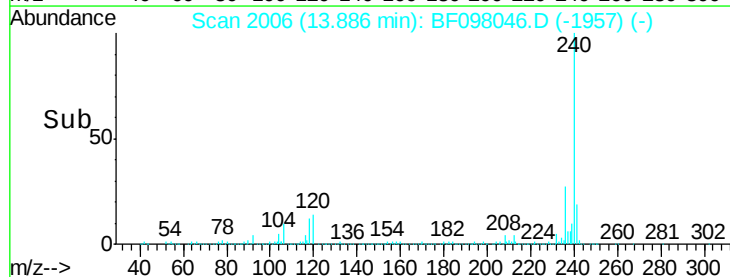
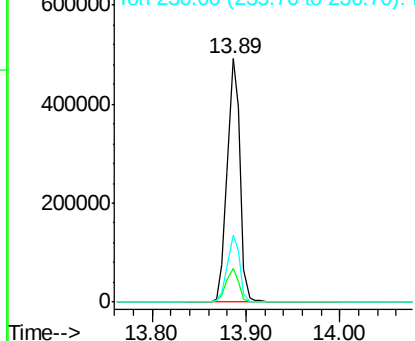


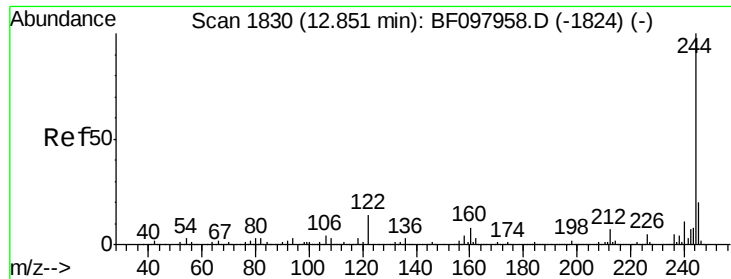
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF098046.D
 Acq: 25 Aug 2017 22:39

Tgt Ion:240 Resp: 466037
 Ion Ratio Lower Upper
 240 100
 120 14.1 5.8 8.8#
 236 27.4 20.5 30.7



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

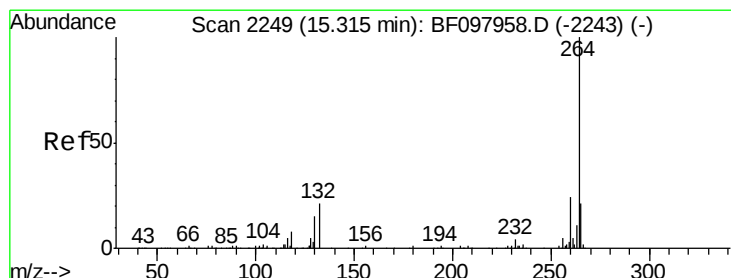
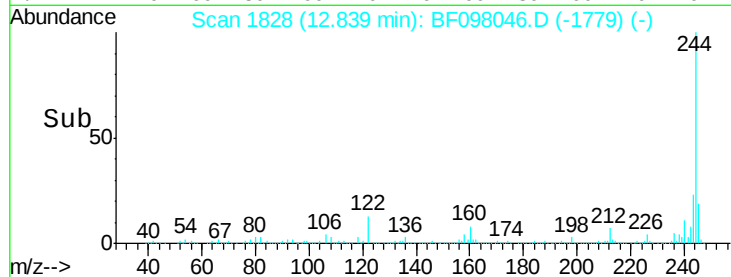
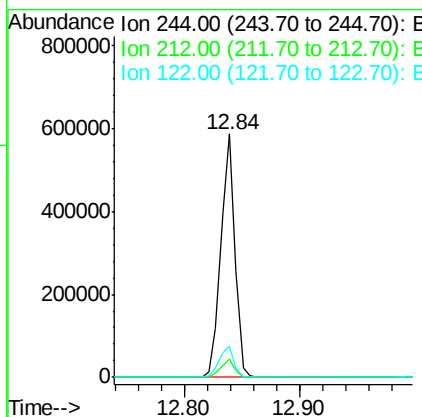
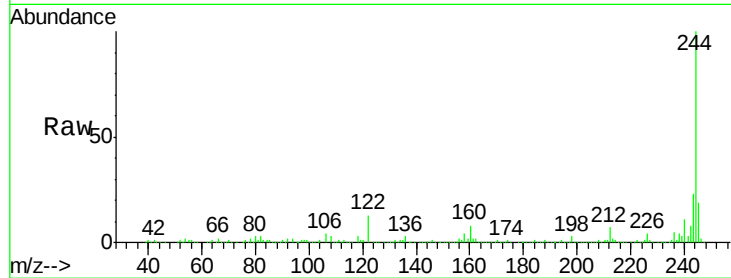




#78
 Terphenyl-d14
 Concen: 22.23 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF098046.D
 Acq: 25 Aug 2017 22:39

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-002-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	12.8	10.3	15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 2248
 Delta R.T. 0.00 min
 Lab File: BF098046.D
 Acq: 25 Aug 2017 22:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.5	29.3
265	21.7	17.2	25.8

