

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088163.D
 Acq On : 19 Jun 2016 5:42
 Operator : UM/SJ
 Sample : H3628-08
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-25

Quant Time: Jun 19 07:55:10 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 17 16:09:13 2016
 Response via : Initial Calibration

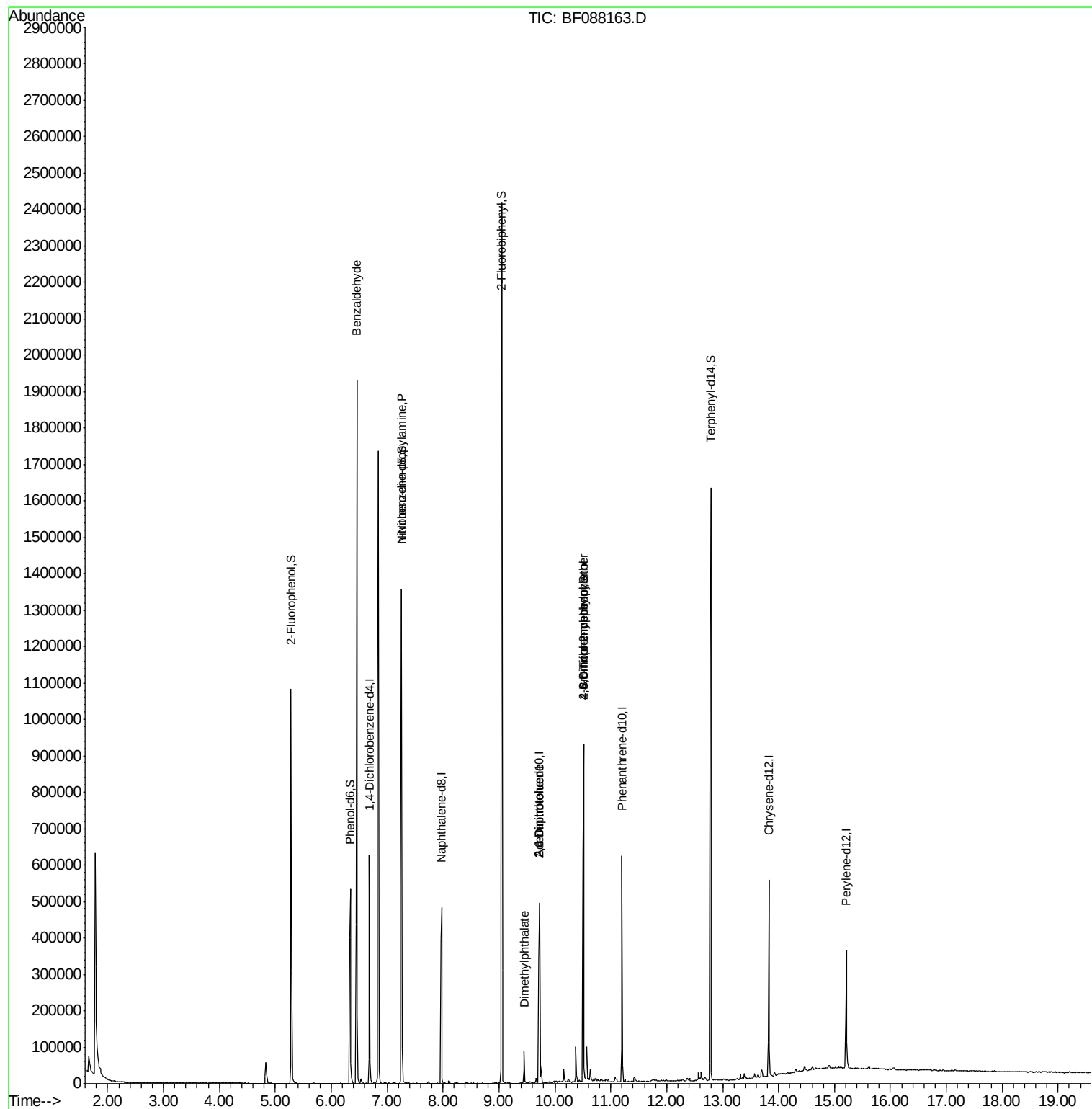
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	92918	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	326995	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	126910	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	210932	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	173088	20.00	ng	-0.02
86) Perylene-d12	15.21	264	132545	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	330033	60.72	ng	0.00
7) Phenol-d6	6.34	99	262502	39.85	ng	-0.01
23) Nitrobenzene-d5	7.26	82	493696	88.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	146705	109.48	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	782806	97.73	ng	-0.02
78) Terphenyl-d14	12.79	244	654131	86.00	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.46	77	11744	2.58	ng	# 72
10) Phenol	6.35	94	470	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.26	70	64400	15.28	ng	# 71
45) 1,1'-Biphenyl	9.05	154	1464	Below Cal	#	1
49) Dimethylphthalate	9.45	163	42431	4.62	ng	98
50) 2,6-Dinitrotoluene	9.72	165	16012	7.61	ng	# 37
56) 2,4-Dinitrotoluene	9.72	165	16012	5.92	ng	# 36
57) Fluorene	10.51	166	7022	Below Cal	#	86
64) 4,6-Dinitro-2-methylphenol	10.51	198	227	2.33	ng	# 1
66) 4-Bromophenyl-phenylether	10.51	248	9751	4.31	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088163.D

Acq: 19 Jun 2016 5:42

Instrument :

BNA_F

ClientSampleId :

W-25

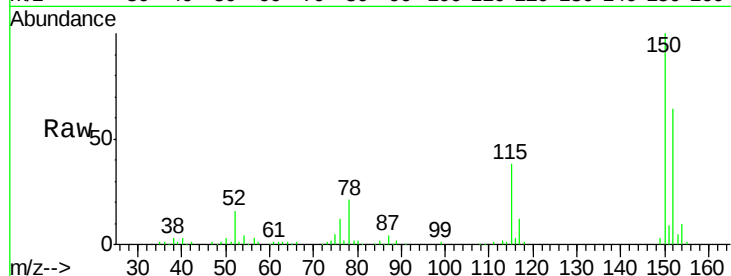
Tgt Ion:152 Resp: 92918

Ion Ratio Lower Upper

152 100

150 155.4 123.8 185.6

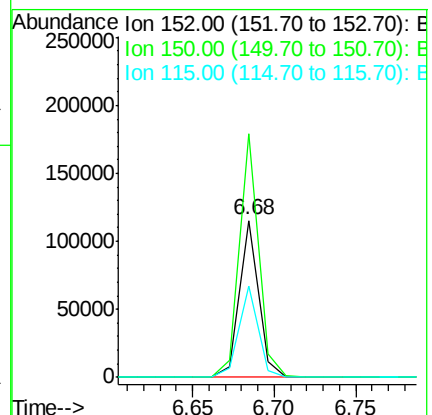
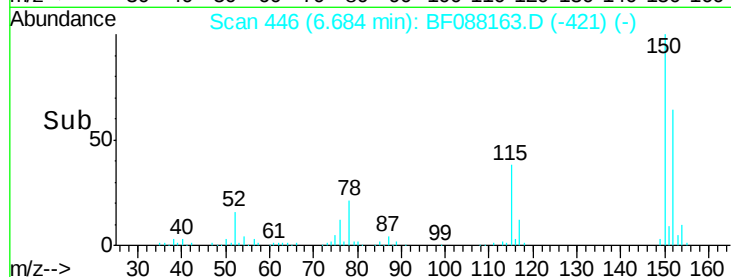
115 58.5 39.6 59.4



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: 60.72 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.00 min

Lab File: BF088163.D

Acq: 19 Jun 2016 5:42

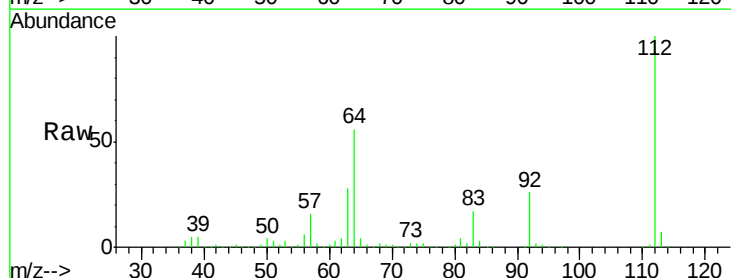
Tgt Ion:112 Resp: 330033

Ion Ratio Lower Upper

112 100

64 55.9 42.2 63.2

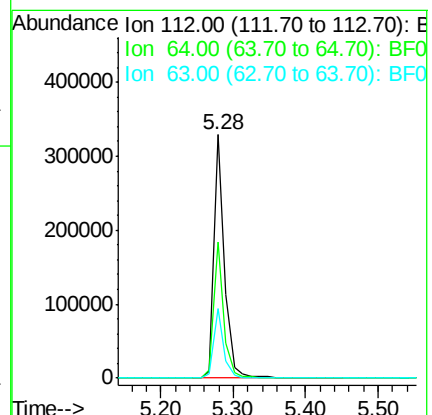
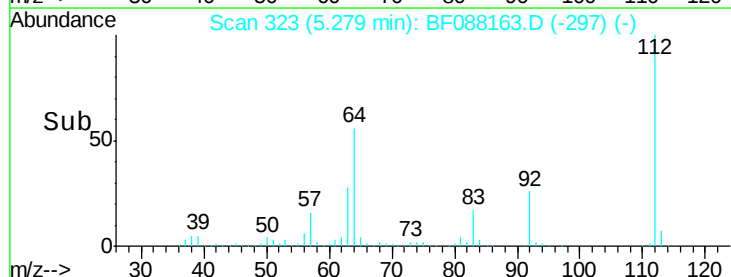
63 28.4 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.85 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088163.D

Acq: 19 Jun 2016 5:42

Instrument :

BNA_F

ClientSampleId :

W-25

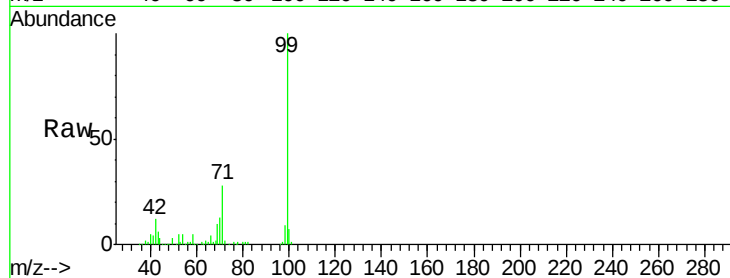
Tgt Ion: 99 Resp: 262502

Ion Ratio Lower Upper

99 100

42 11.6 12.2 18.2#

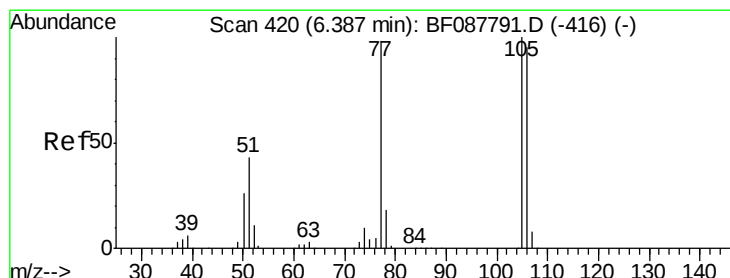
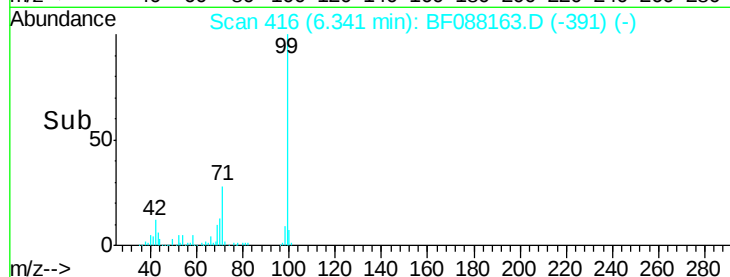
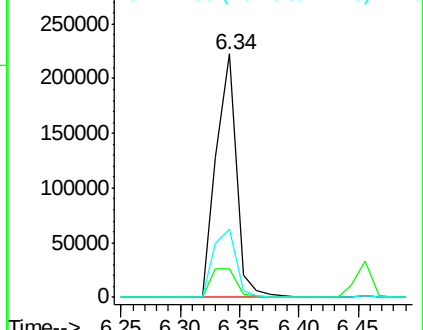
71 28.1 23.4 35.0



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



#9

Benzaldehyde

Concen: 2.58 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.22 min

Lab File: BF088163.D

Acq: 19 Jun 2016 5:42

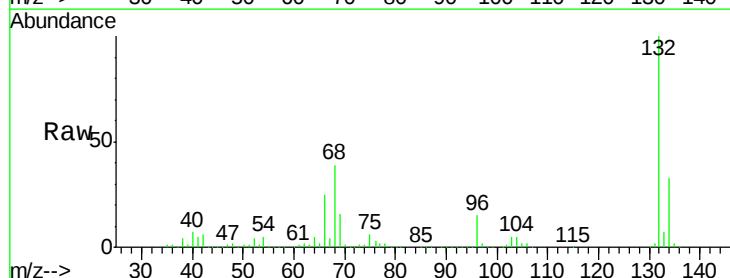
Tgt Ion: 77 Resp: 11744

Ion Ratio Lower Upper

77 100

105 82.7 90.6 130.6#

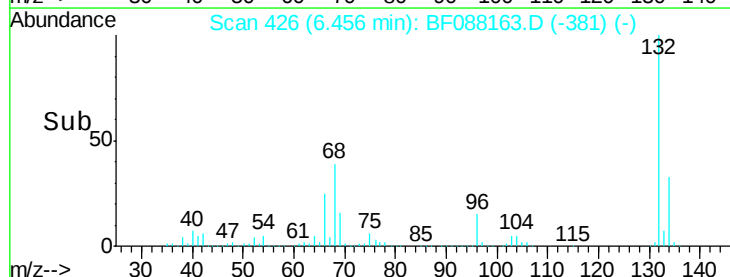
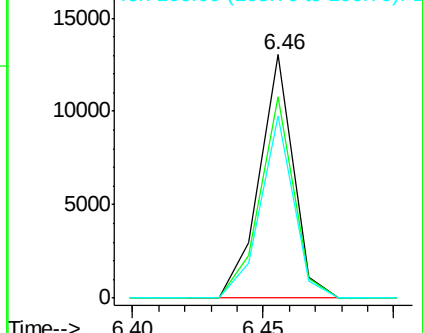
106 74.9 85.3 125.3#

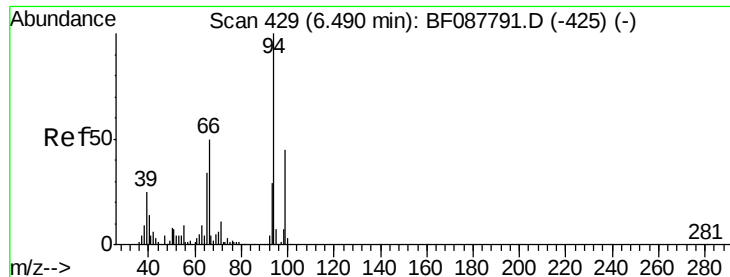


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: Below Cal

RT: 6.35 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF088163.D

Acq: 19 Jun 2016 5:42

Instrument :

BNA_F

ClientSampled :

W-25

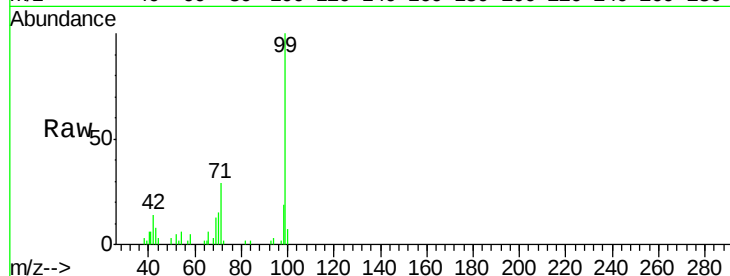
Tgt Ion: 94 Resp: 470

Ion Ratio Lower Upper

94 100

65 64.8 5.9 45.9#

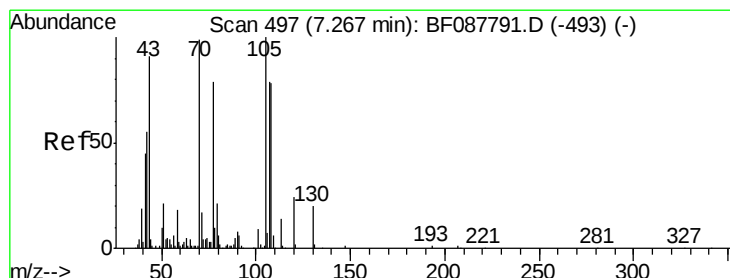
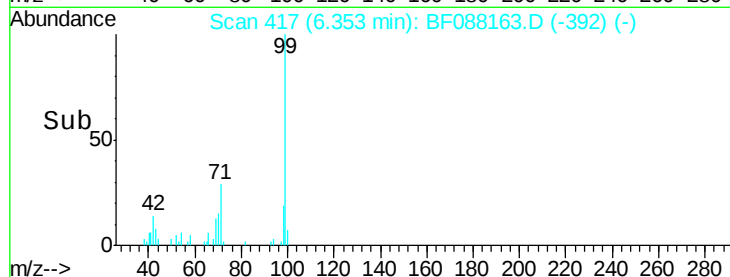
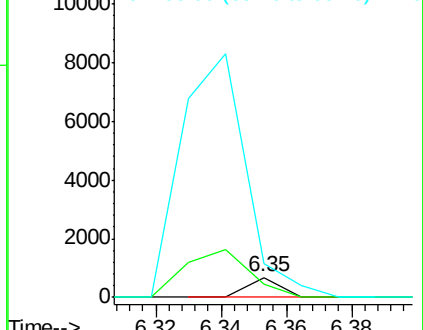
66 168.3 14.0 54.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.28 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.13 min

Lab File: BF088163.D

Acq: 19 Jun 2016 5:42

Tgt Ion: 70 Resp: 64400

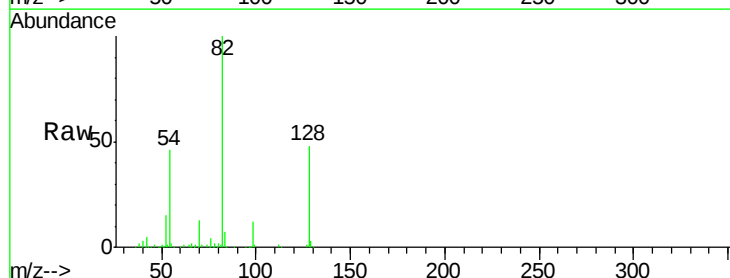
Ion Ratio Lower Upper

70 100

42 41.6 49.6 74.4#

101 0.0 7.1 10.7#

130 2.5 15.4 23.2#

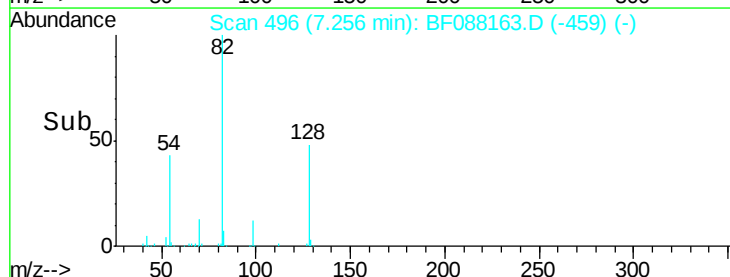
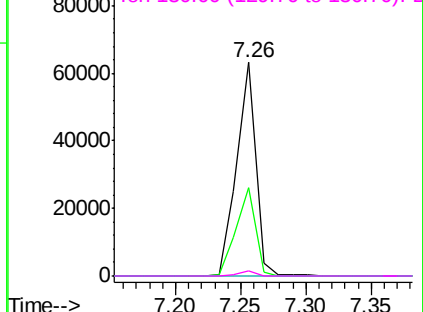


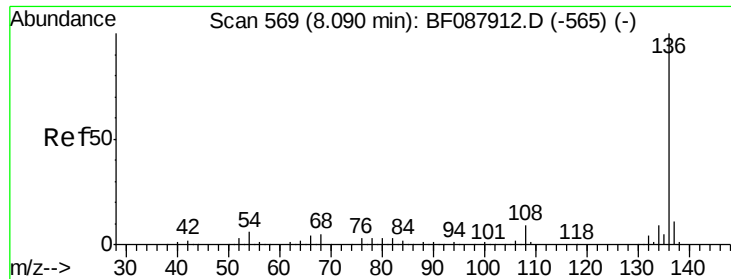
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

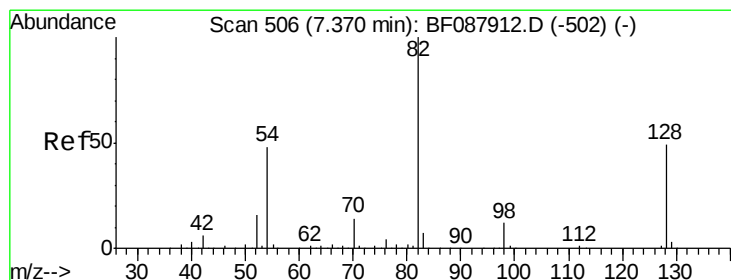
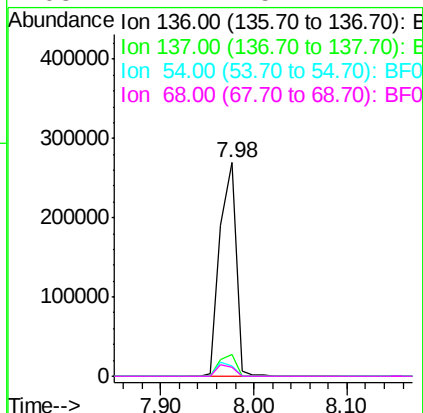
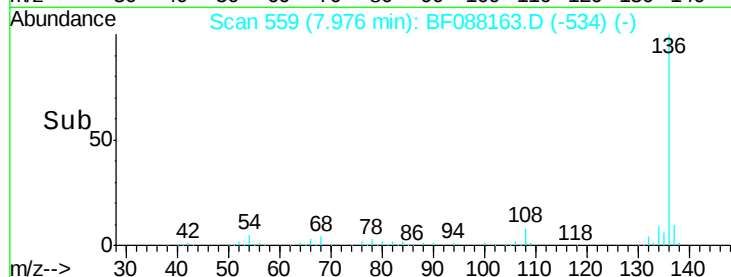
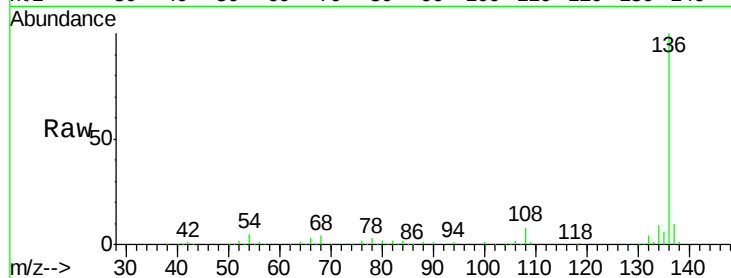




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF088163.D
Acq: 19 Jun 2016 5:42

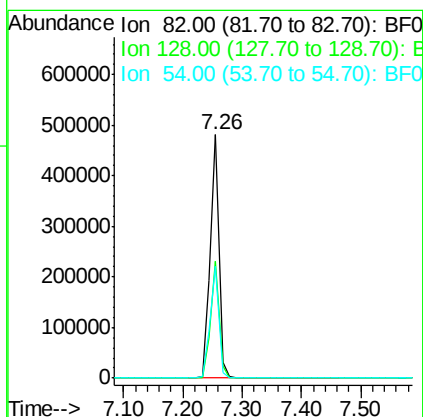
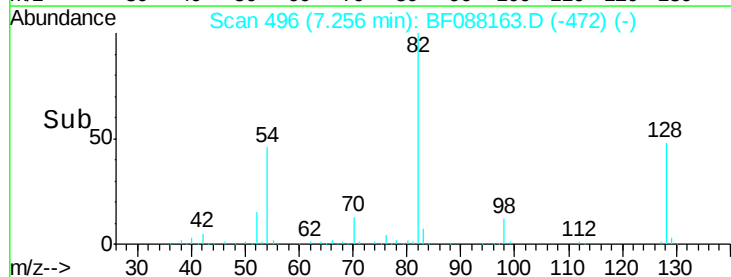
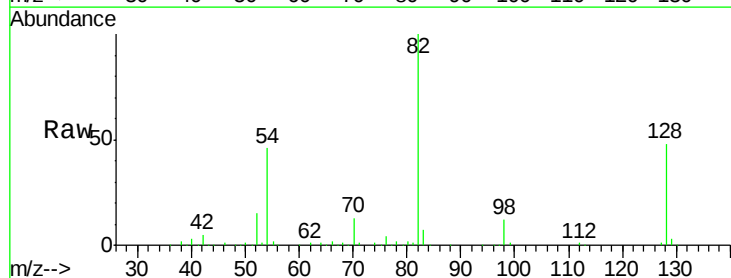
Instrument :
BNA_F
ClientSampleId :
W-25

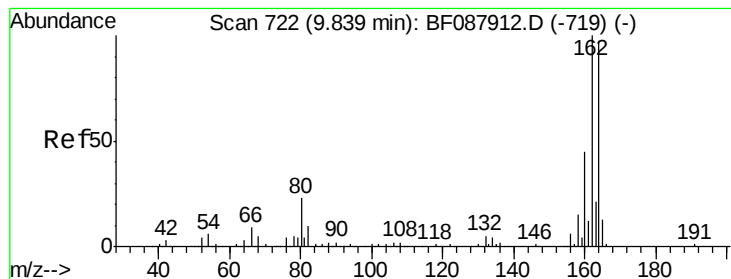
Tgt Ion:	136	Resp:	326995
Ion Ratio	Lower	Upper	
136	100		
137	10.4	9.1	13.7
54	4.8	6.6	10.0#
68	4.1	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 88.16 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF088163.D
Acq: 19 Jun 2016 5:42

Tgt Ion:	82	Resp:	493696
Ion Ratio	Lower	Upper	
82	100		
128	48.0	35.9	53.9
54	45.7	40.9	61.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF088163.D

Acq: 19 Jun 2016 5:42

Instrument :

BNA_F

ClientSampleId :

W-25

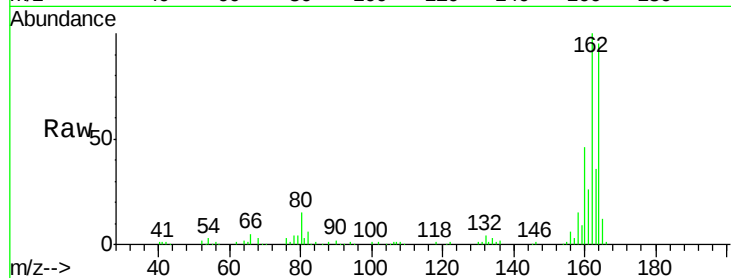
Tgt Ion:164 Resp: 126910

Ion Ratio Lower Upper

164 100

162 105.3 85.4 128.2

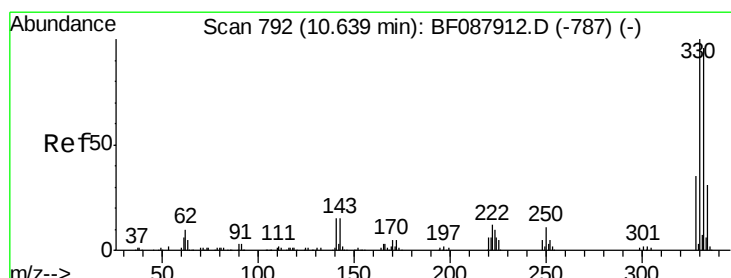
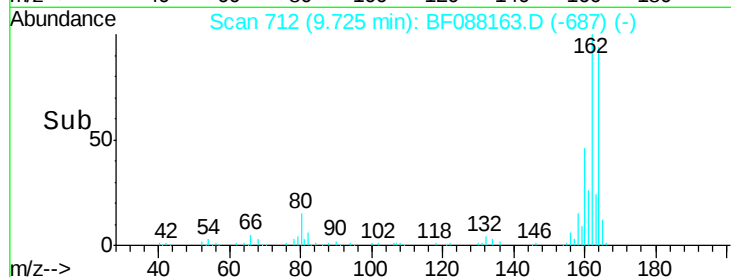
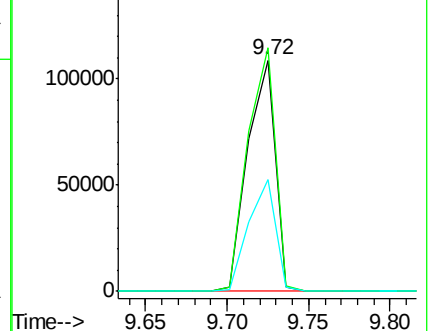
160 48.1 39.5 59.3



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: 109.48 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF088163.D

Acq: 19 Jun 2016 5:42

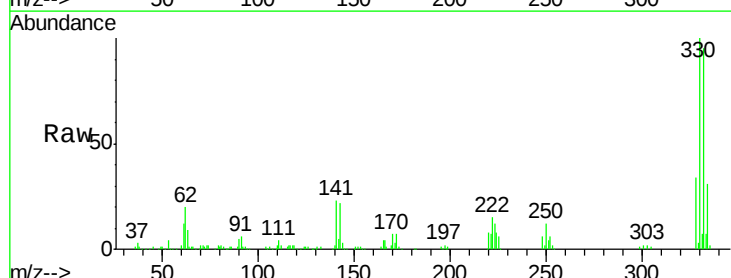
Tgt Ion:330 Resp: 146705

Ion Ratio Lower Upper

330 100

332 95.5 0.0 0.0#

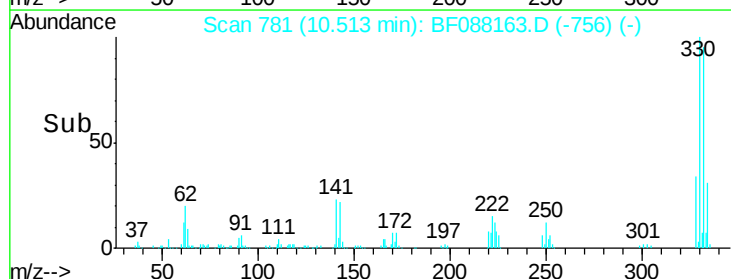
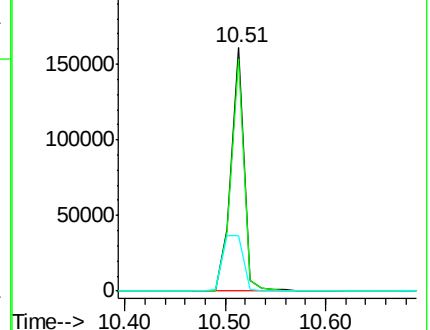
141 36.0 0.0 0.0#

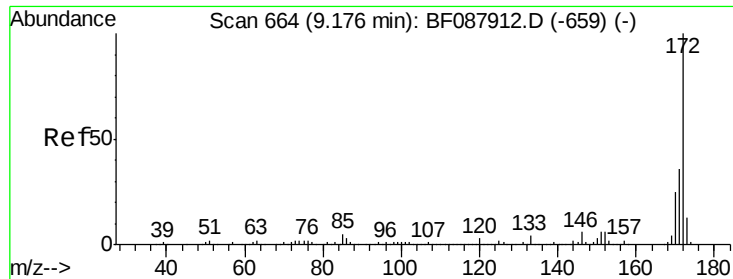


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

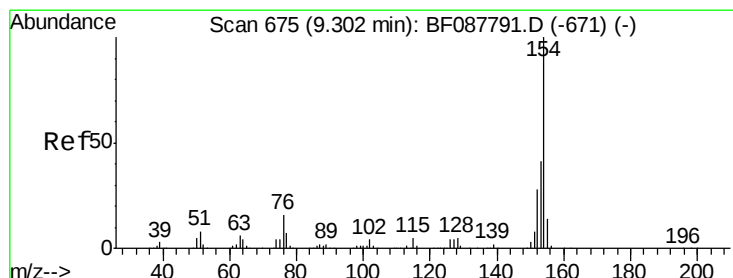
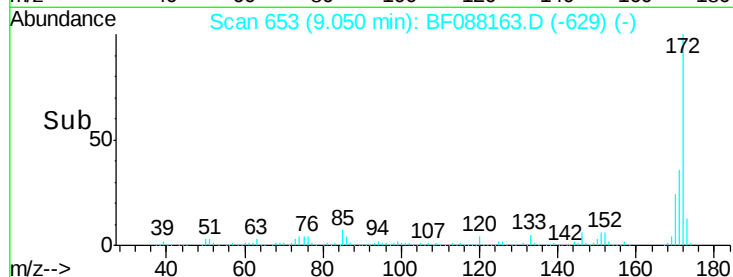
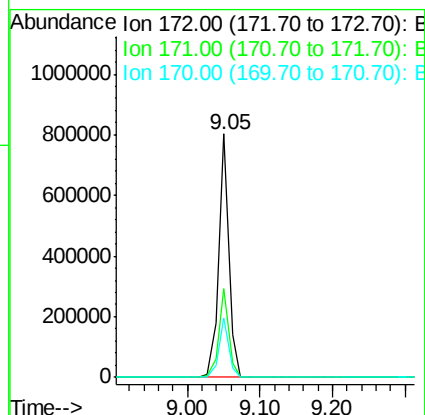
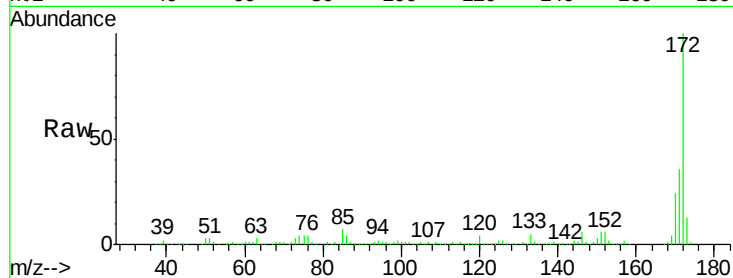




#44
 2-Fluorobiphenyl
 Concen: 97.73 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088163.D
 Acq: 19 Jun 2016 5:42

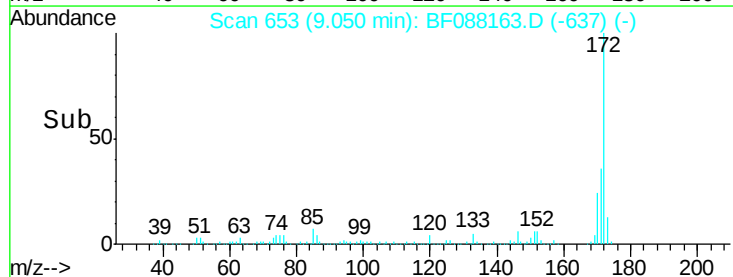
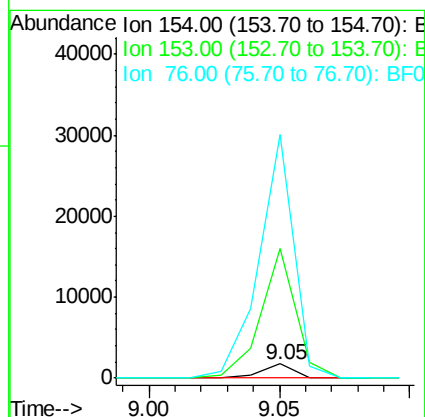
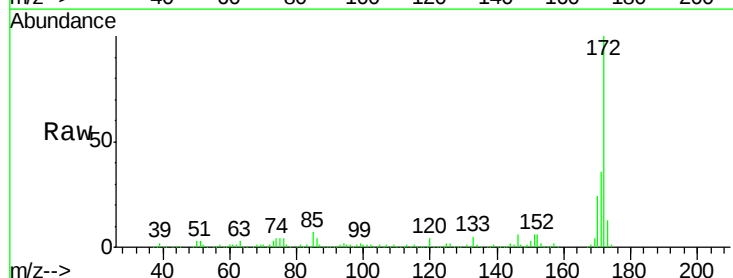
Instrument :
 BNA_F
 ClientSampleId :
 W-25

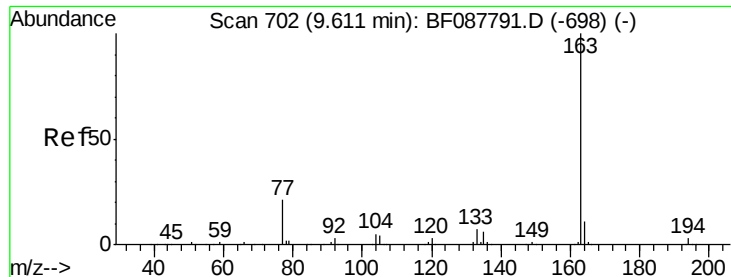
Tgt Ion:172 Resp: 782806
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 24.3 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.05 min Scan# 653
 Delta R.T. -0.11 min
 Lab File: BF088163.D
 Acq: 19 Jun 2016 5:42

Tgt Ion:154 Resp: 1464
 Ion Ratio Lower Upper
 154 100
 153 914.0 20.6 60.6#
 76 1720.8 0.0 35.1#





#49

Dimethylphthalate

Concen: 4.62 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF088163.D

Acq: 19 Jun 2016 5:42

Instrument :

BNA_F

ClientSampleId :

W-25

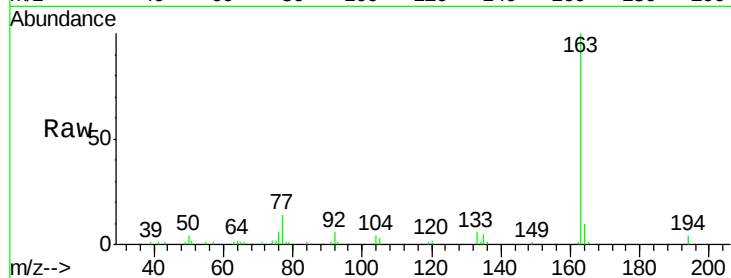
Tgt Ion:163 Resp: 42431

Ion Ratio Lower Upper

163 100

194 4.0 2.8 4.2

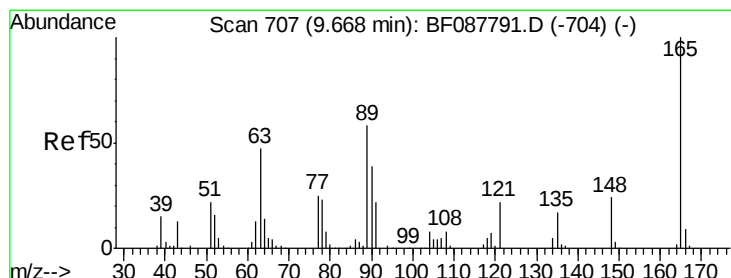
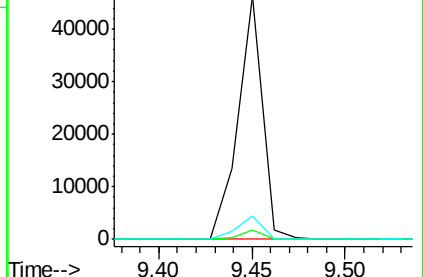
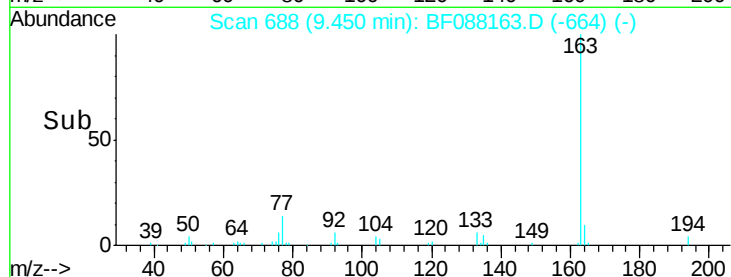
164 9.8 8.3 12.5



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: 7.61 ng

RT: 9.72 min Scan# 712

Delta R.T. 0.18 min

Lab File: BF088163.D

Acq: 19 Jun 2016 5:42

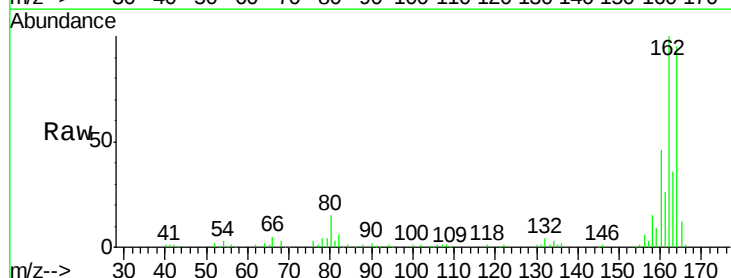
Tgt Ion:165 Resp: 16012

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

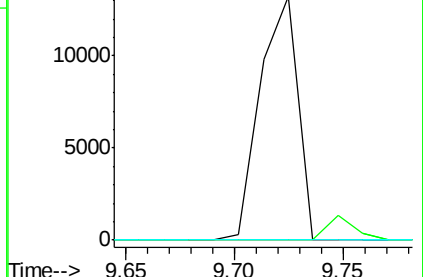
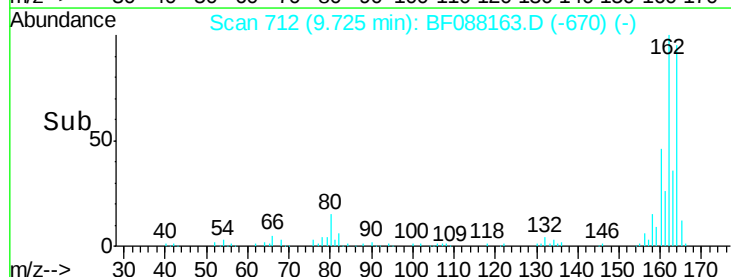
89 0.0 32.2 48.2#

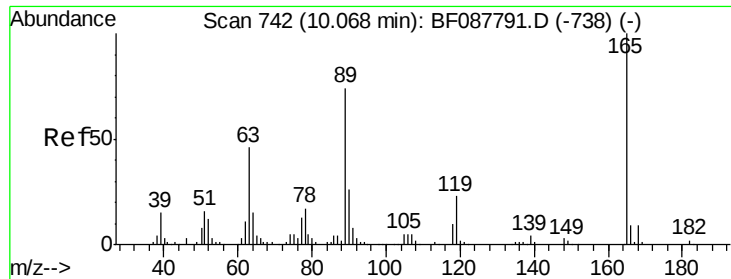


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

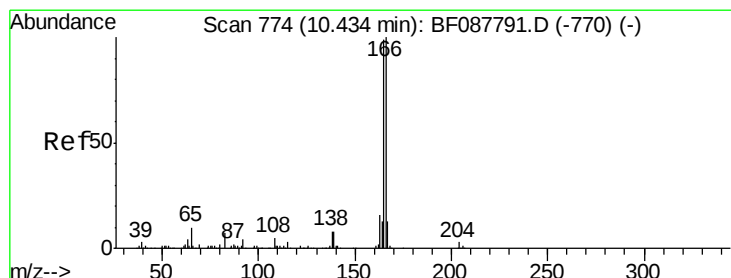
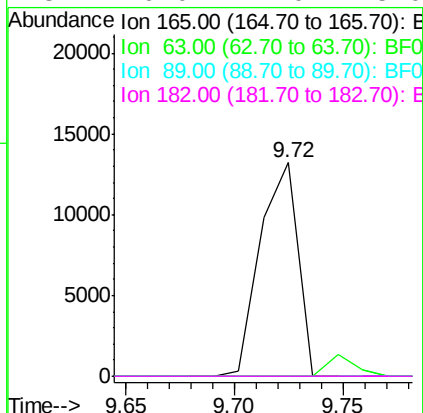
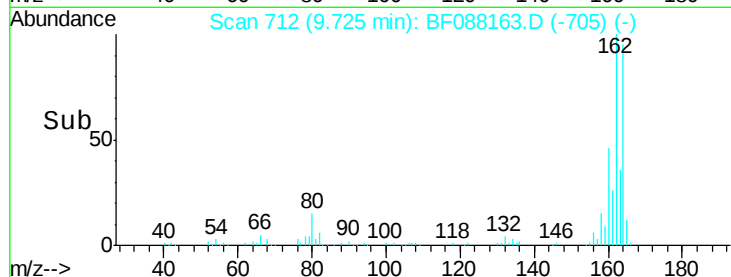
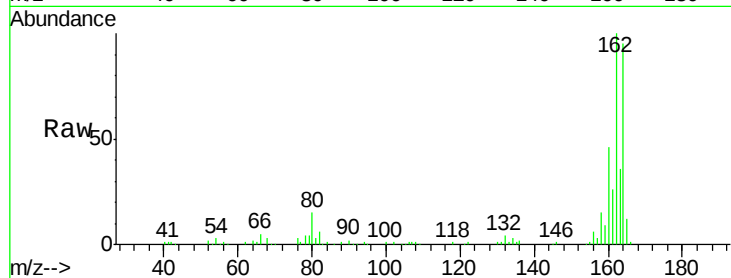




#56
2,4-Dinitrotoluene
Concen: 5.92 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.22 min
Lab File: BF088163.D
Acq: 19 Jun 2016 5:42

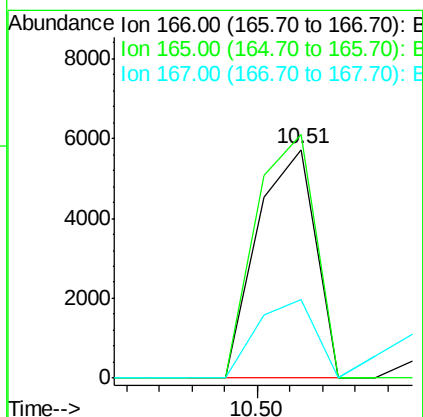
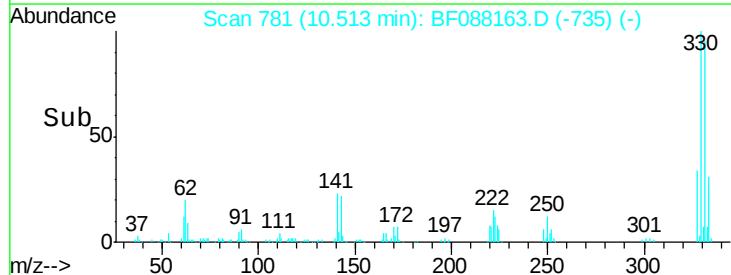
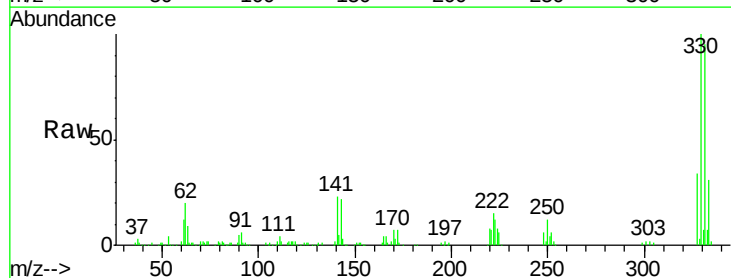
Instrument :
BNA_F
ClientSampleId :
W-25

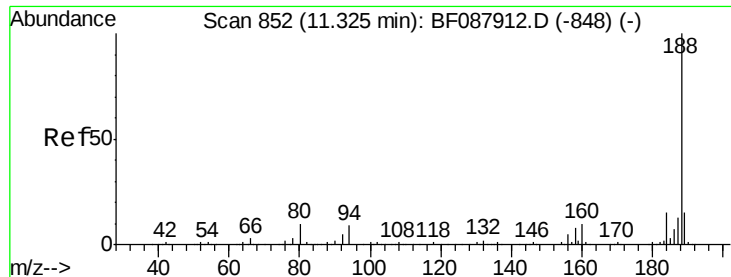
Tgt Ion:	165	Resp:	16012
Ion Ratio	Lower	Upper	
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.51 min Scan# 781
Delta R.T. 0.23 min
Lab File: BF088163.D
Acq: 19 Jun 2016 5:42

Tgt Ion:	166	Resp:	7022
Ion Ratio	Lower	Upper	
166	100		
165	106.6	77.8	116.8
167	34.1	11.2	16.8#

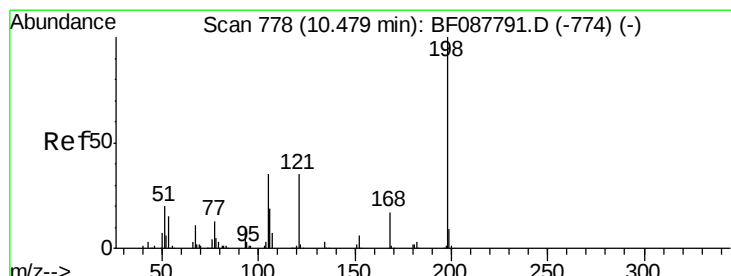
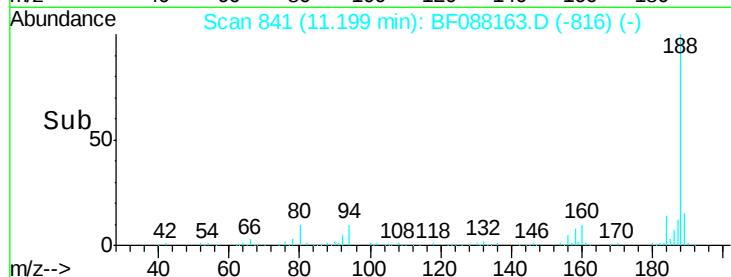
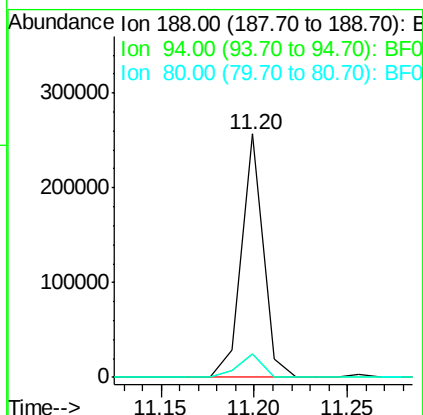
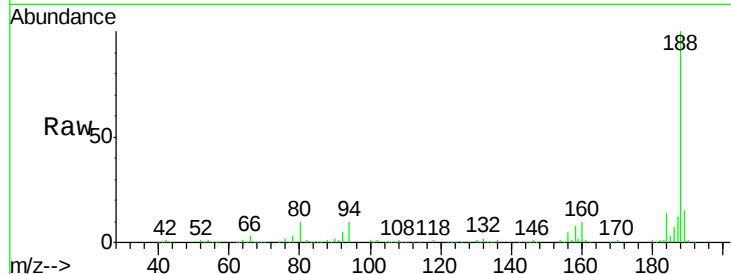




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BF088163.D
 Acq: 19 Jun 2016 5:42

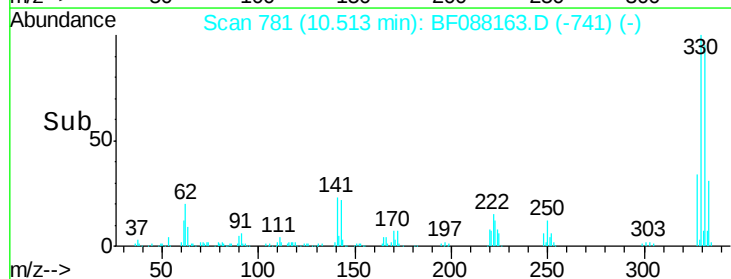
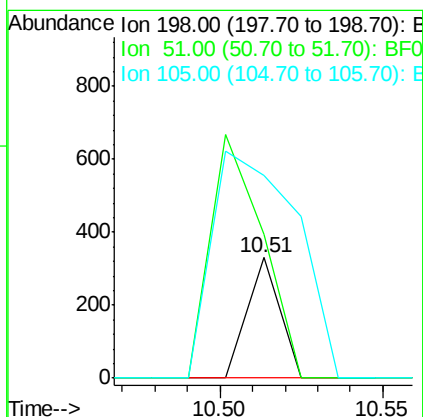
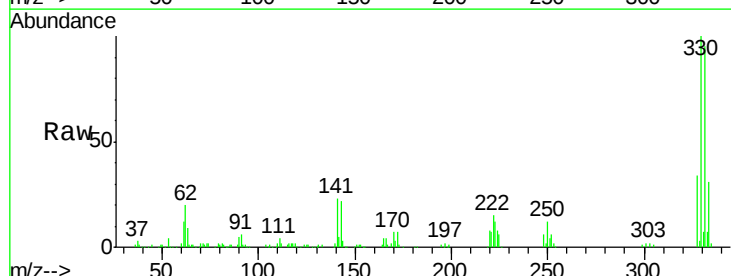
Instrument :
 BNA_F
 ClientSampleId :
 W-25

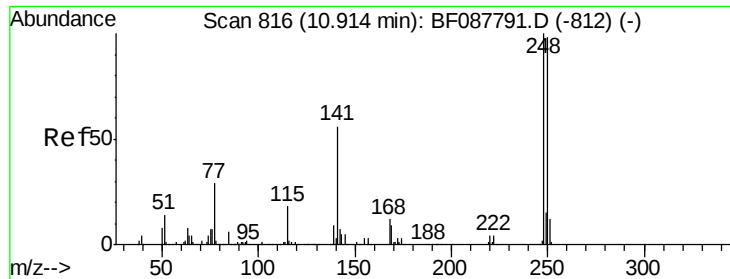
Tgt Ion:188 Resp: 210932
 Ion Ratio Lower Upper
 188 100
 94 9.5 9.0 13.6
 80 9.6 10.0 15.0#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.33 ng
 RT: 10.51 min Scan# 781
 Delta R.T. 0.16 min
 Lab File: BF088163.D
 Acq: 19 Jun 2016 5:42

Tgt Ion:198 Resp: 227
 Ion Ratio Lower Upper
 198 100
 51 119.6 39.6 79.6#
 105 168.0 36.6 76.6#

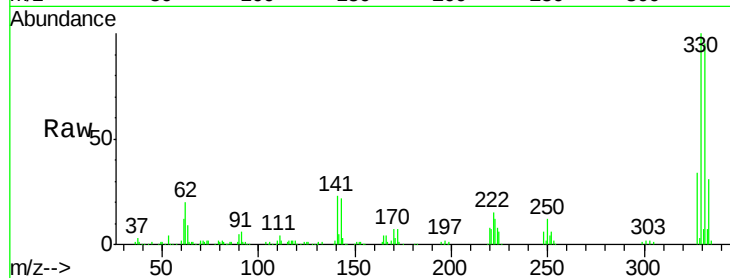




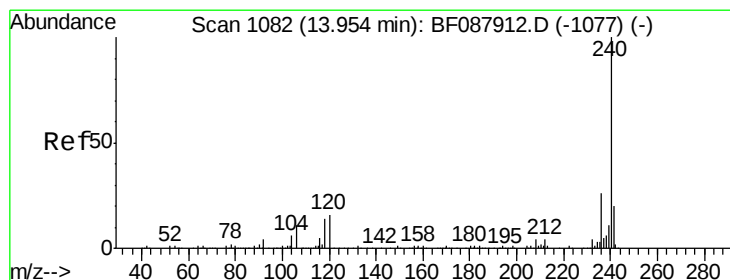
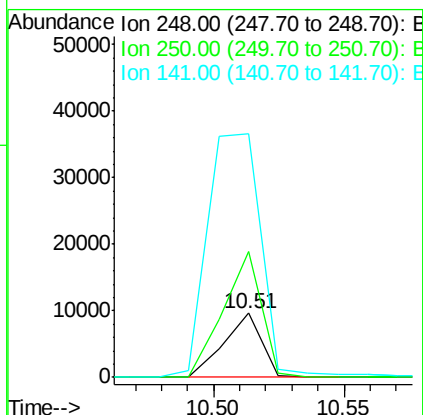
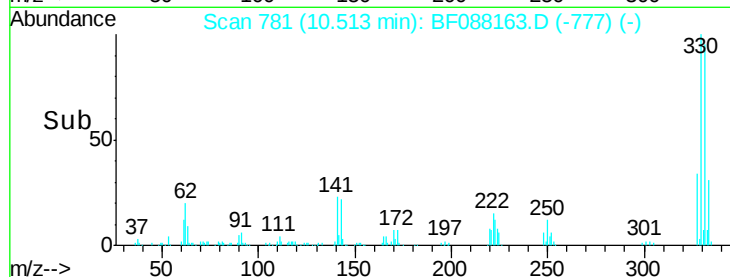
#66
 4-Bromophenyl-phenylether
 Concen: 4.31 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.25 min
 Lab File: BF088163.D
 Acq: 19 Jun 2016 5:42

Instrument :
 BNA_F
 ClientSampleId :
 W-25

Tgt Ion:248 Resp: 9751
 Ion Ratio Lower Upper
 248 100
 250 195.6 77.1 115.7#
 141 379.4 50.6 76.0#

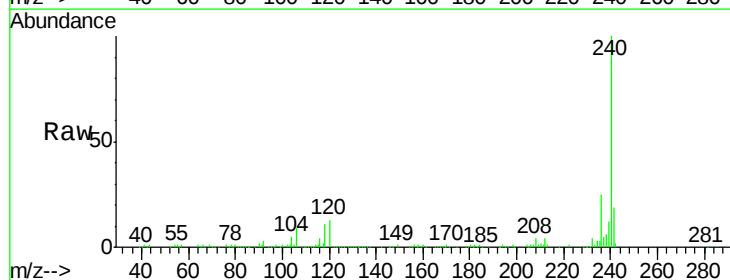


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

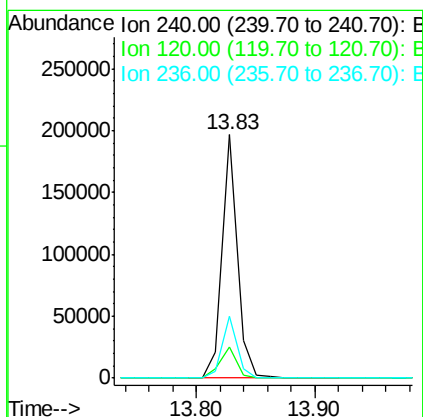
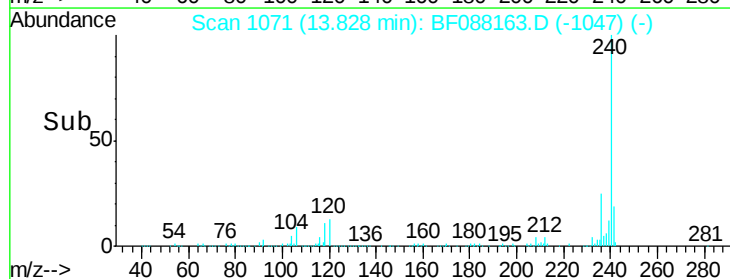


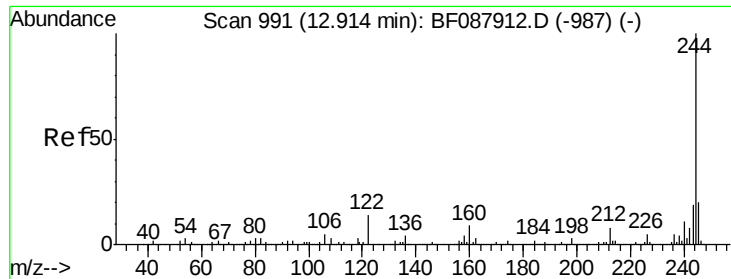
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.83 min Scan# 1071
 Delta R.T. -0.02 min
 Lab File: BF088163.D
 Acq: 19 Jun 2016 5:42

Tgt Ion:240 Resp: 173088
 Ion Ratio Lower Upper
 240 100
 120 12.8 6.8 10.2#
 236 25.2 20.2 30.2



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

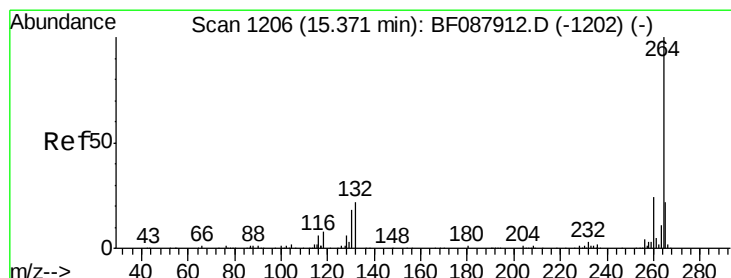
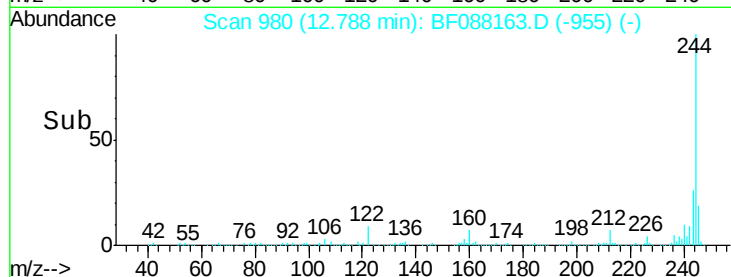
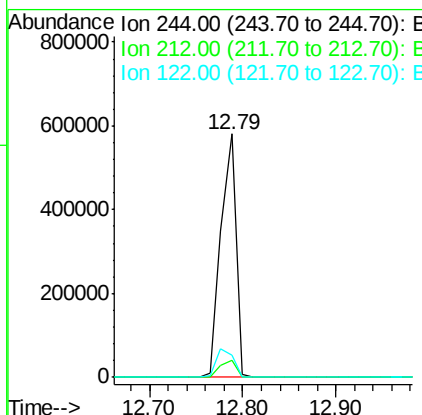
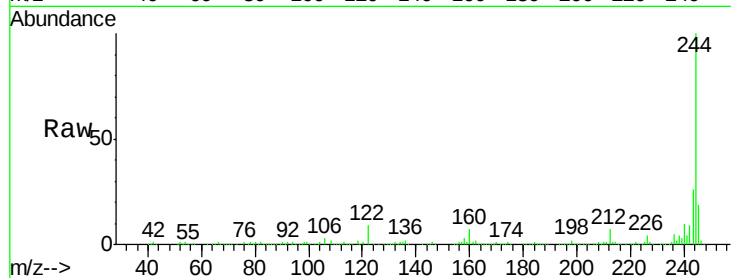




#78
 Terphenyl-d14
 Concen: 86.00 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF088163.D
 Acq: 19 Jun 2016 5:42

Instrument :
 BNA_F
 ClientSampleId :
 W-25

Tgt Ion: 244 Resp: 654131
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 9.3 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF088163.D
 Acq: 19 Jun 2016 5:42

Tgt Ion: 264 Resp: 132545
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.4 16.9 25.3

