

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061216\
 Data File : BF087967.D
 Acq On : 13 Jun 2016 00:24
 Operator : UM/SJ
 Sample : H3473-07
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-1045-(0-4)

Quant Time: Jun 13 05:03:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 02:17:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	115615	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	470171	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	230912	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	428402	20.00	ng	0.00
75) Chrysene-d12	13.95	240	308954	20.00	ng	-0.01
86) Perylene-d12	15.36	264	213248	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	640468	94.70	ng	0.01
7) Phenol-d6	6.44	99	922425	112.54	ng	0.00
23) Nitrobenzene-d5	7.37	82	635498	78.93	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	227665	93.38	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1020193	68.32	ng	-0.01
78) Terphenyl-d14	12.91	244	1014753	74.74	ng	-0.01

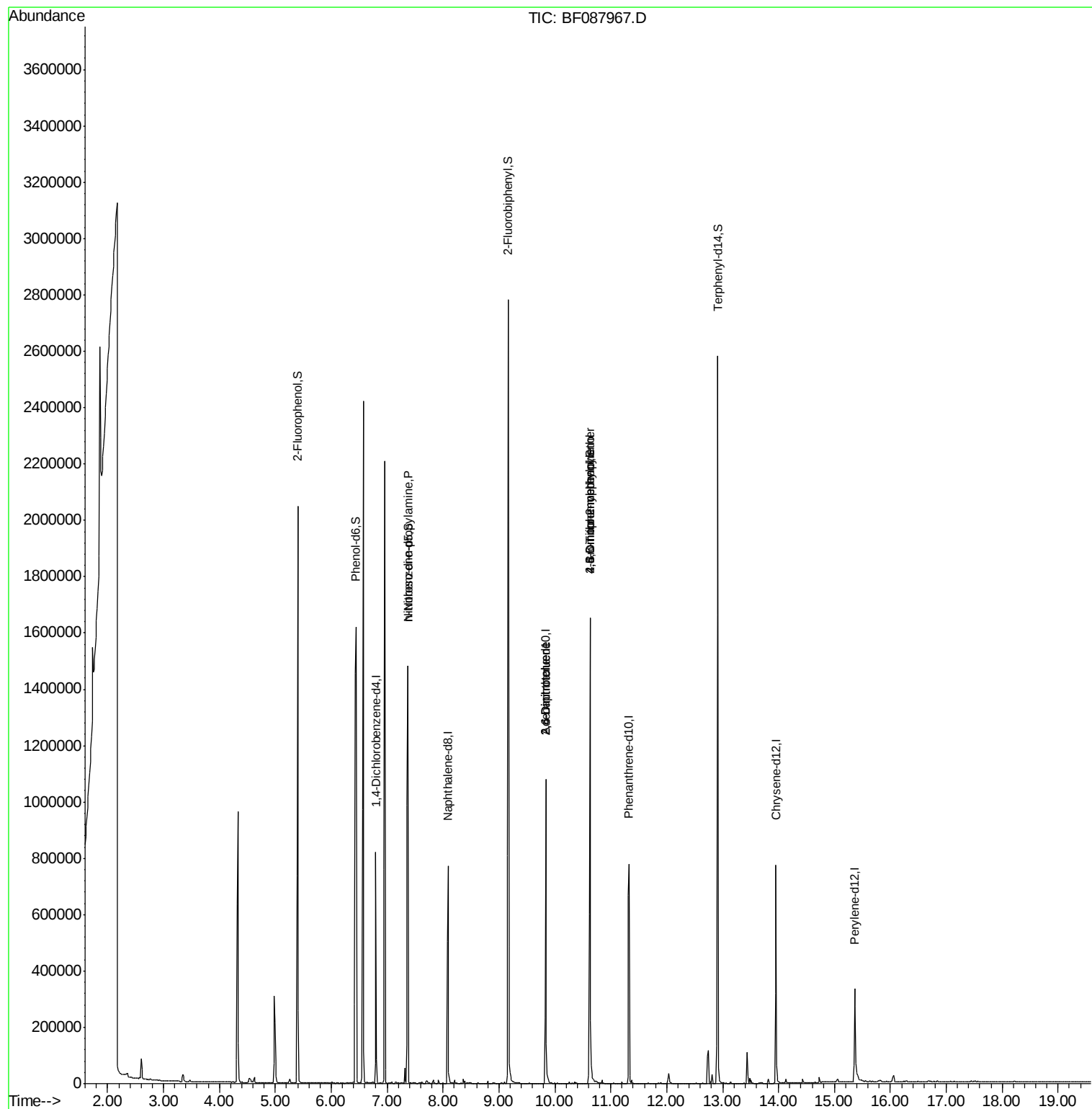
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.57	94	1365	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	81062	15.46	ng	69
45) 1,1'-Biphenyl	9.27	154	873	Below Cal	#	84
50) 2,6-Dinitrotoluene	9.84	165	29252	7.64	ng	39
56) 2,4-Dinitrotoluene	9.84	165	29255	5.94	ng	37
57) Fluorene	10.39	166	1402	Below Cal	#	92
64) 4,6-Dinitro-2-methylphenol	10.63	198	406	2.31	ng	1
66) 4-Bromophenyl-phenylether	10.63	248	15191	3.31	ng	1

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

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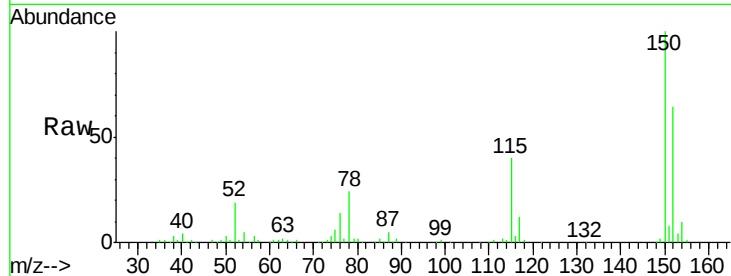


#1

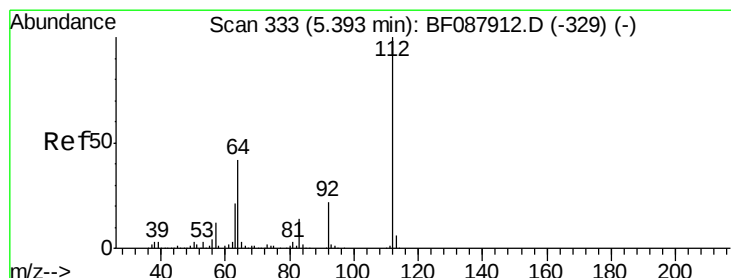
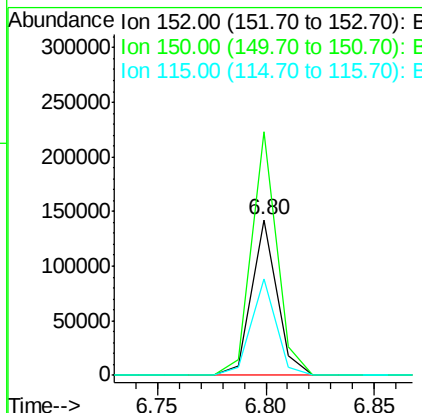
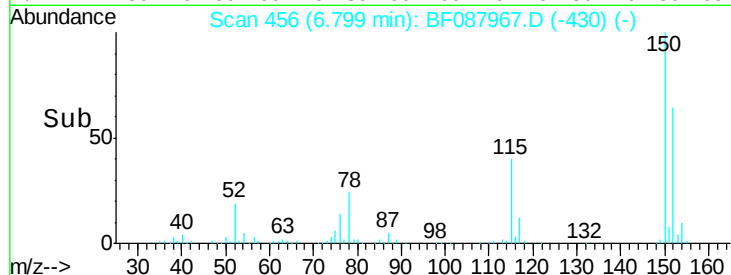
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 456
Delta R.T. 0.00 min
Lab File: BF087967.D
Acq: 13 Jun 2016 00:24

Instrument :
BNA_F
ClientSampleId :
STA-1045-(0-4)

Tgt Ion:152 Resp: 115615
Ion Ratio Lower Upper
152 100
150 156.7 123.8 185.6
115 62.2 39.6 59.4#



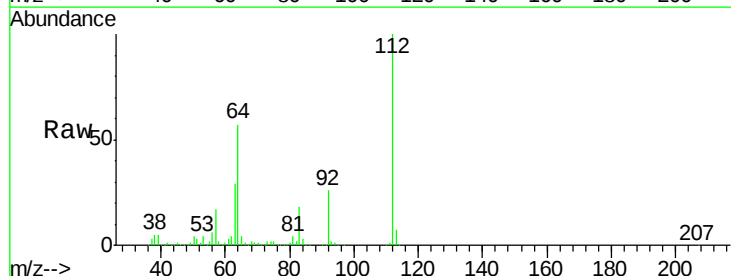
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



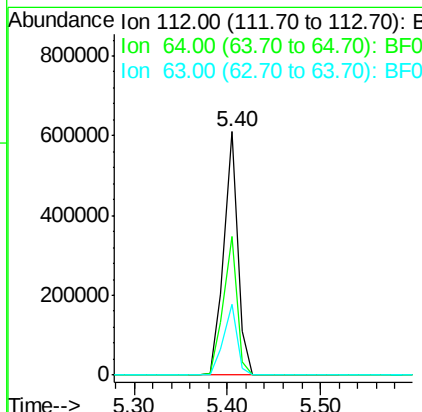
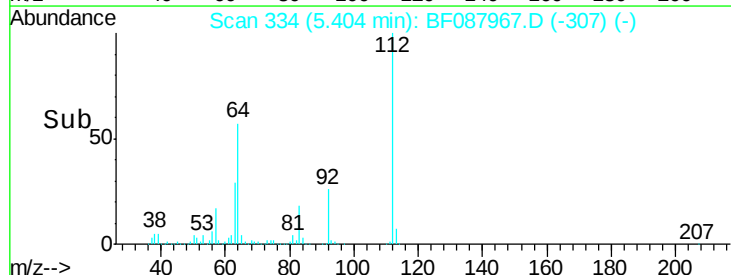
#5

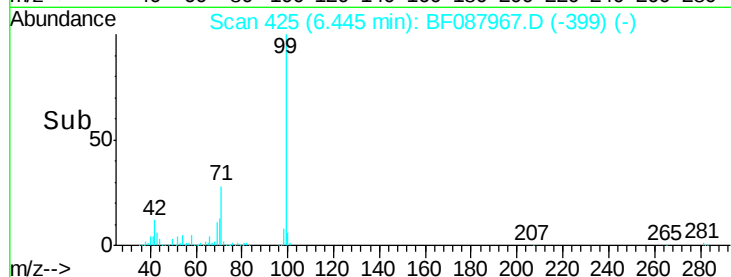
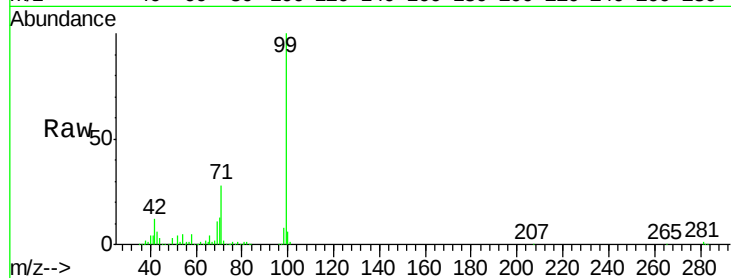
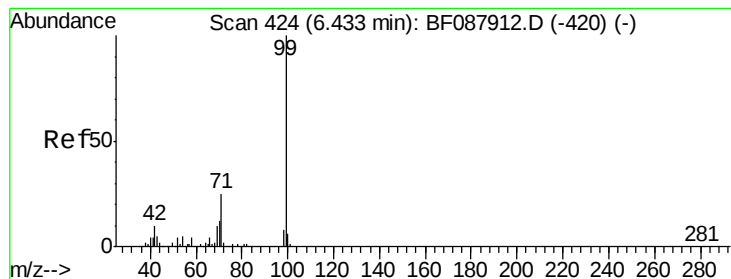
2-Fluorophenol
Concen: 94.70 ng
RT: 5.40 min Scan# 334
Delta R.T. 0.01 min
Lab File: BF087967.D
Acq: 13 Jun 2016 00:24

Tgt Ion:112 Resp: 640468
Ion Ratio Lower Upper
112 100
64 56.9 42.2 63.2
63 29.2 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: 112.54 ng

RT: 6.44 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF087967.D

Acq: 13 Jun 2016 00:24

Instrument :

BNA_F

ClientSampleId :

STA-1045-(0-4)

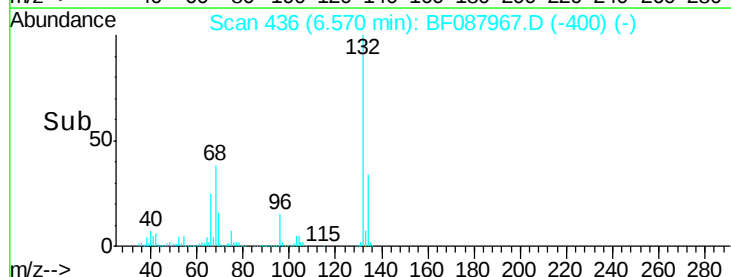
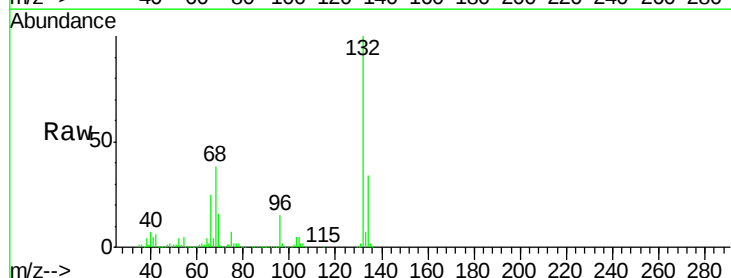
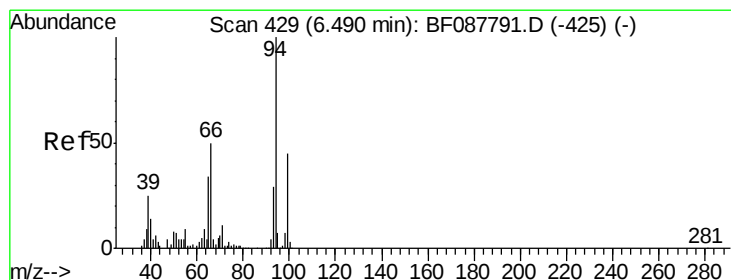
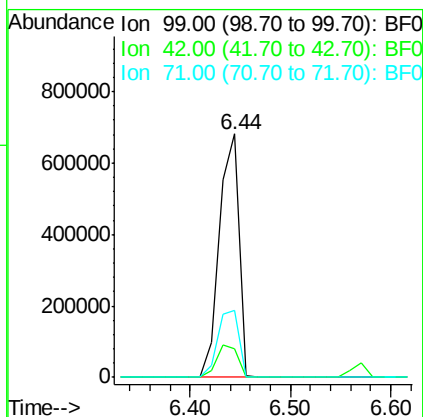
Tgt Ion: 99 Resp: 922425

Ion Ratio Lower Upper

99 100

42 11.6 12.2 18.2#

71 27.6 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.57 min Scan# 436

Delta R.T. 0.11 min

Lab File: BF087967.D

Acq: 13 Jun 2016 00:24

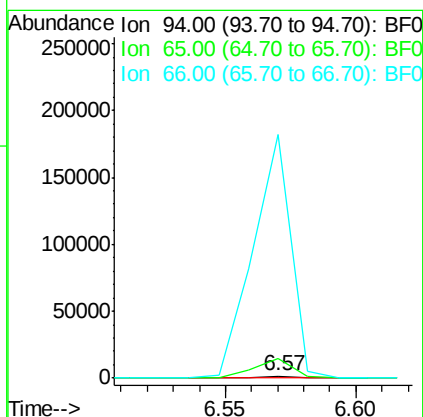
Tgt Ion: 94 Resp: 1365

Ion Ratio Lower Upper

94 100

65 1020.3 5.9 45.9#

66 12501.1 14.0 54.0#

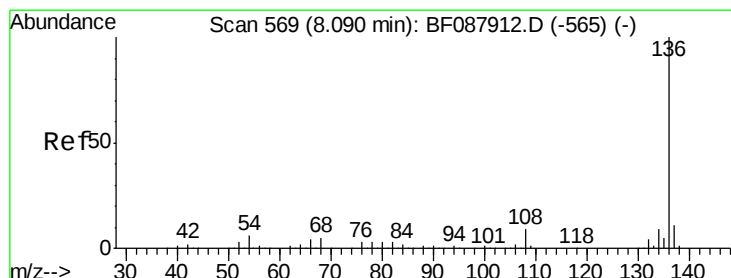
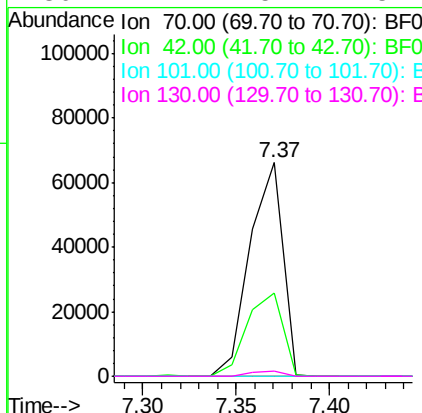
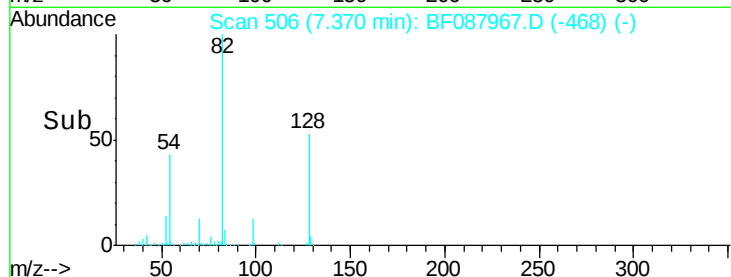
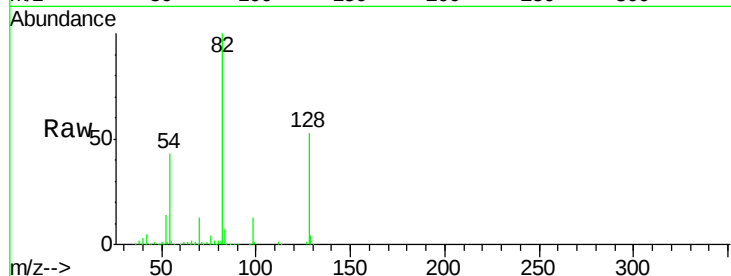




#19
n-Nitroso-di-n-propylamine
Concen: 15.46 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.14 min
Lab File: BF087967.D
Acq: 13 Jun 2016 00:24

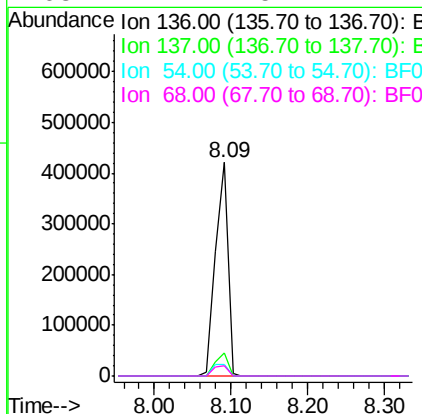
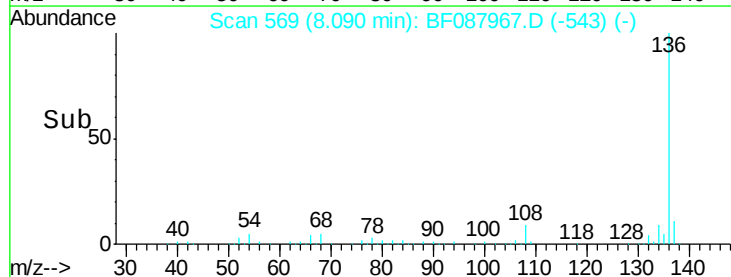
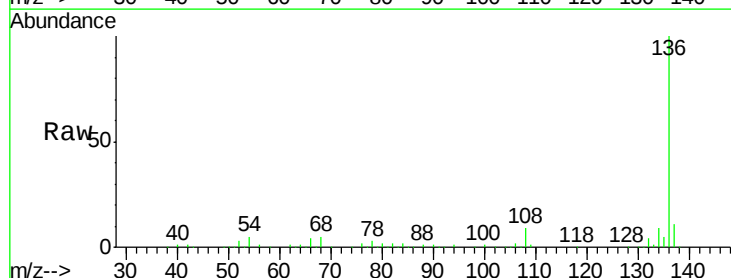
Instrument :
BNA_F
ClientSampleId :
STA-1045-(0-4)

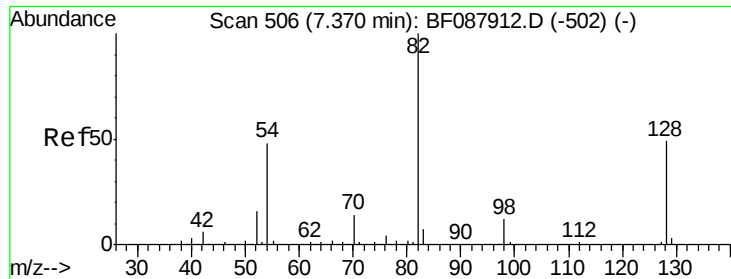
Tgt Ion: 70 Resp: 81062
Ion Ratio Lower Upper
70 100
42 39.1 49.6 74.4#
101 0.0 7.1 10.7#
130 2.7 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. 0.00 min
Lab File: BF087967.D
Acq: 13 Jun 2016 00:24

Tgt Ion: 136 Resp: 470171
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 5.2 6.6 10.0#
68 4.7 5.1 7.7#

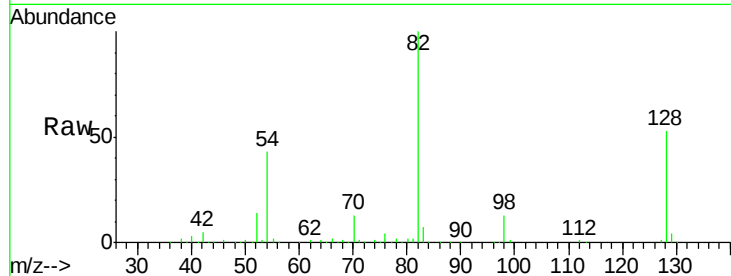




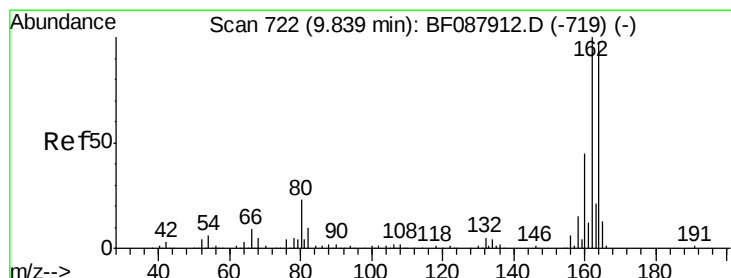
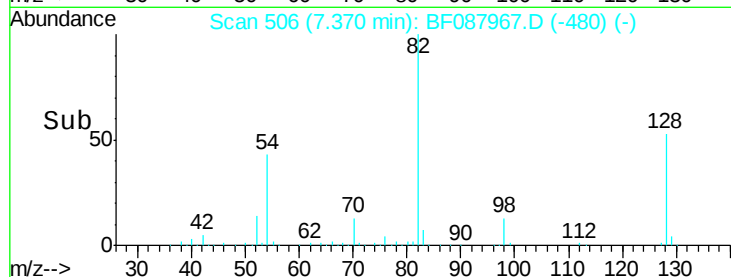
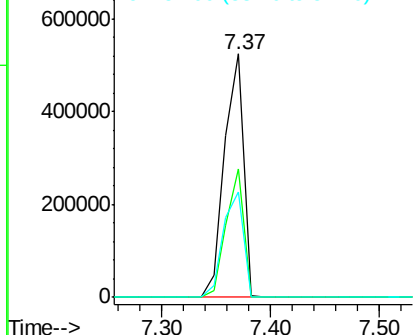
#23
 Nitrobenzene-d5
 Concen: 78.93 ng
 RT: 7.37 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: BF087967.D
 Acq: 13 Jun 2016 00:24

Instrument :
 BNA_F
 ClientSampleId :
 STA-1045-(0-4)

Tgt Ion: 82 Resp: 635498
 Ion Ratio Lower Upper
 82 100
 128 52.6 35.9 53.9
 54 43.4 40.9 61.3

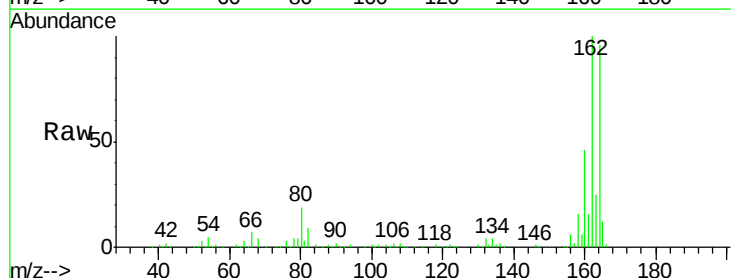


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

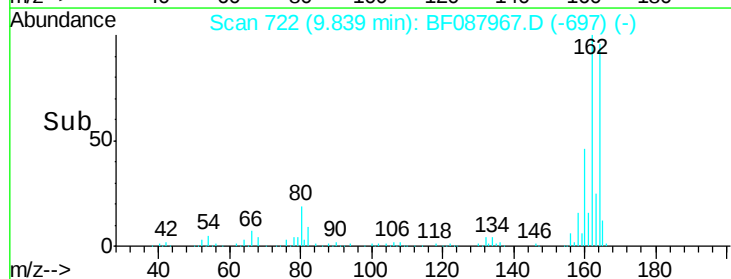
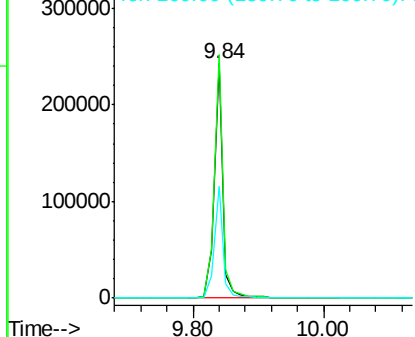


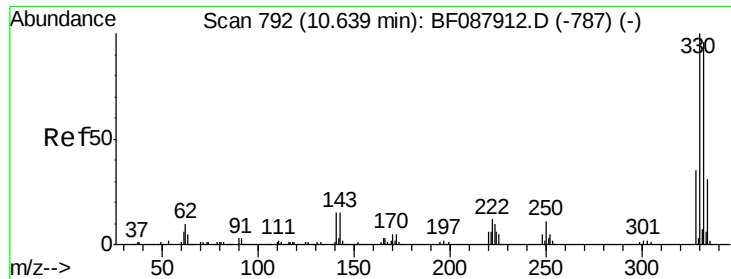
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: BF087967.D
 Acq: 13 Jun 2016 00:24

Tgt Ion: 164 Resp: 230912
 Ion Ratio Lower Upper
 164 100
 162 103.9 85.4 128.2
 160 47.5 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

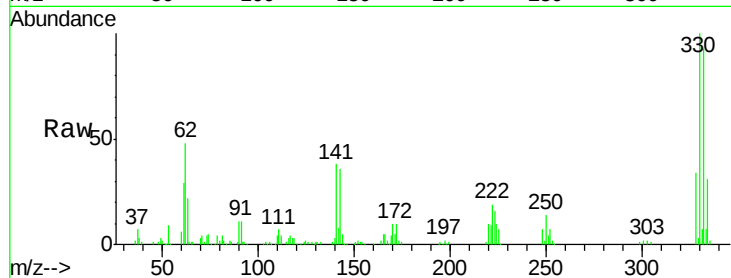




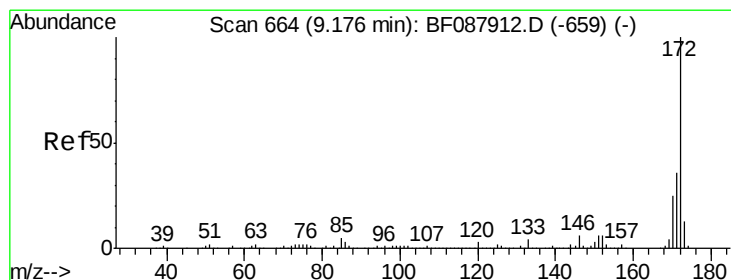
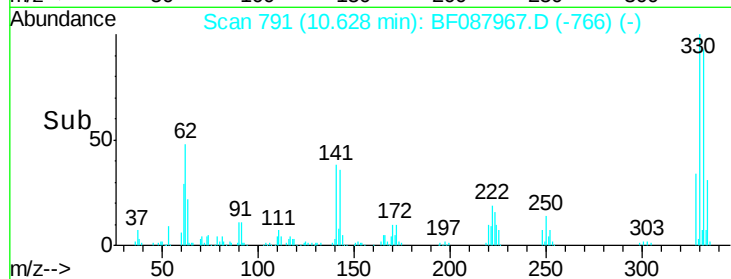
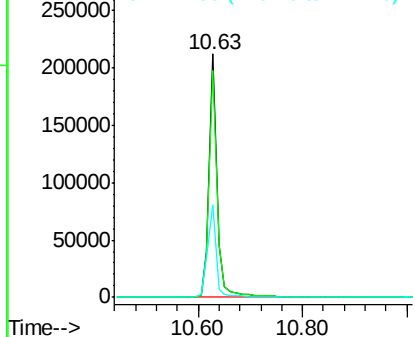
#41
 2,4,6-Tribromophenol
 Concen: 93.38 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF087967.D
 Acq: 13 Jun 2016 00:24

Instrument :
 BNA_F
 ClientSampleId :
 STA-1045-(0-4)

Tgt Ion:330 Resp: 227665
 Ion Ratio Lower Upper
 330 100
 332 95.1 0.0 0.0#
 141 40.3 0.0 0.0#

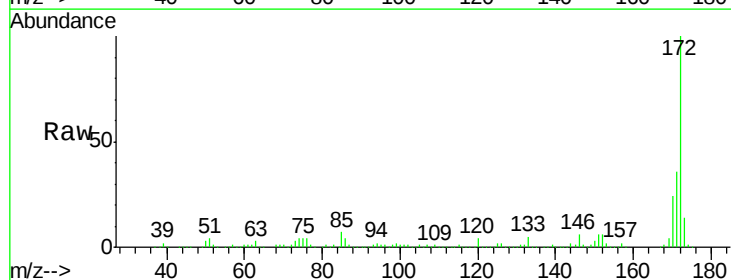


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

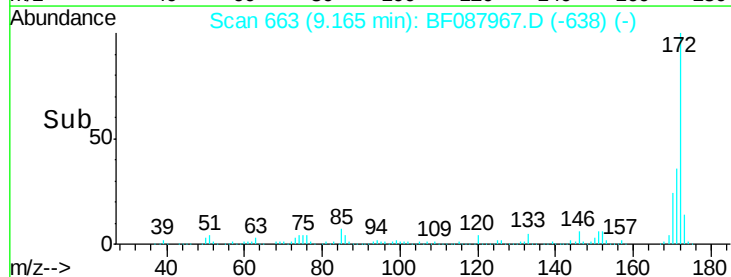
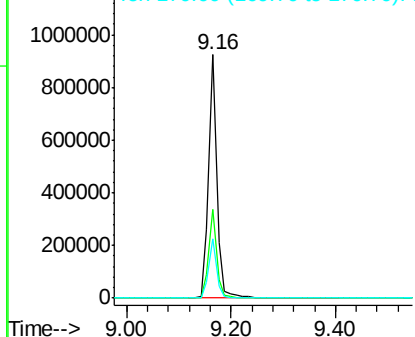


#44
 2-Fluorobiphenyl
 Concen: 68.32 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF087967.D
 Acq: 13 Jun 2016 00:24

Tgt Ion:172 Resp: 1020193
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 24.5 19.2 28.8



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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.27 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF087967.D

Acq: 13 Jun 2016 00:24

Instrument :

BNA_F

ClientSampleId :

STA-1045-(0-4)

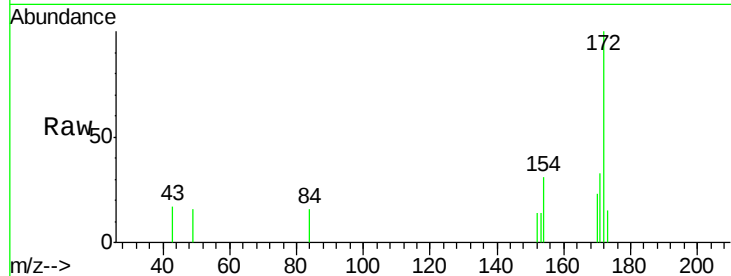
Tgt Ion:154 Resp: 873

Ion Ratio Lower Upper

154 100

153 45.6 20.6 60.6

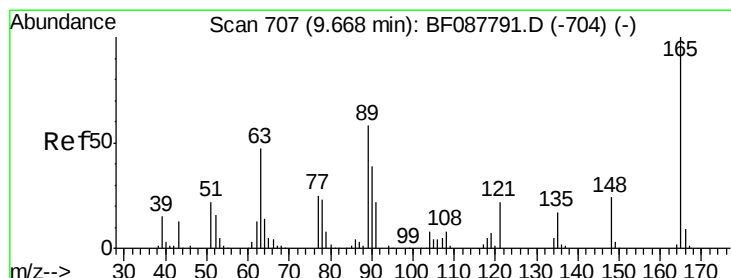
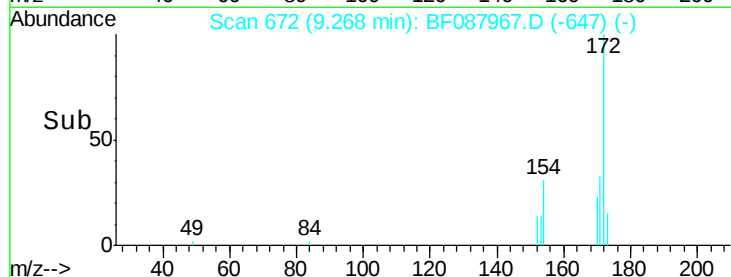
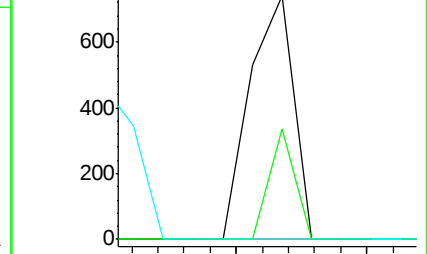
76 0.0 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#50

2,6-Dinitrotoluene

Concen: 7.64 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.19 min

Lab File: BF087967.D

Acq: 13 Jun 2016 00:24

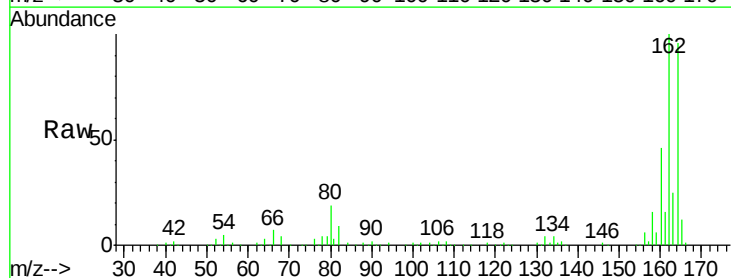
Tgt Ion:165 Resp: 29252

Ion Ratio Lower Upper

165 100

63 1.1 28.1 42.1#

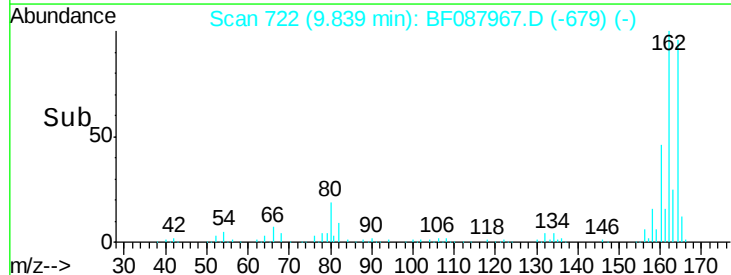
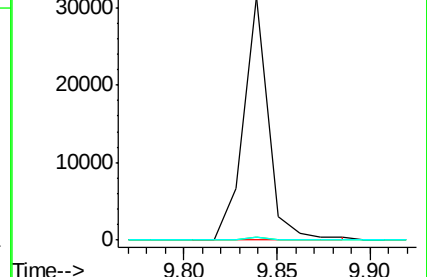
89 1.2 32.2 48.2#

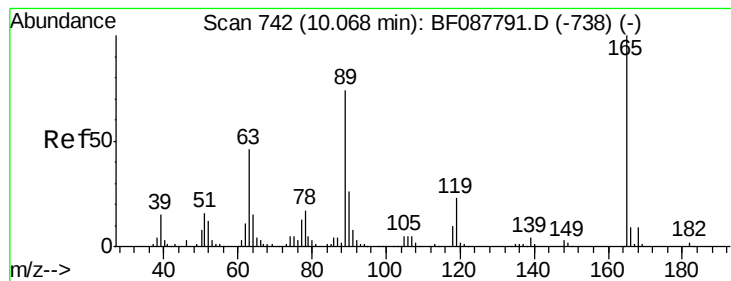


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.94 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.21 min

Lab File: BF087967.D

Acq: 13 Jun 2016 00:24

Instrument :

BNA_F

ClientSampleId :

STA-1045-(0-4)

Tgt Ion:165 Resp: 29255

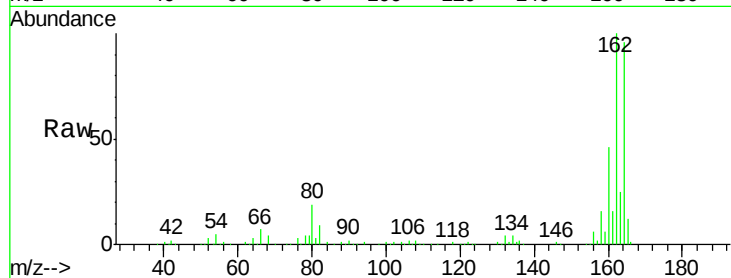
Ion Ratio Lower Upper

165 100

63 1.1 22.0 33.0#

89 1.2 41.1 61.7#

182 0.0 2.0 3.0#

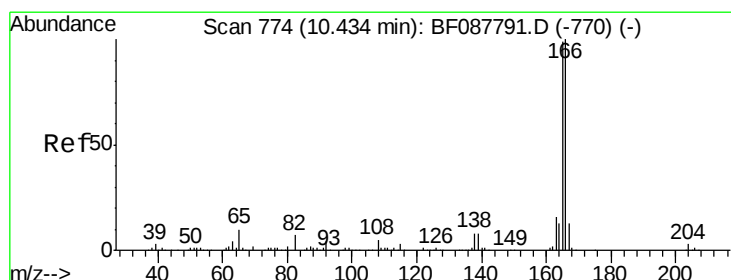
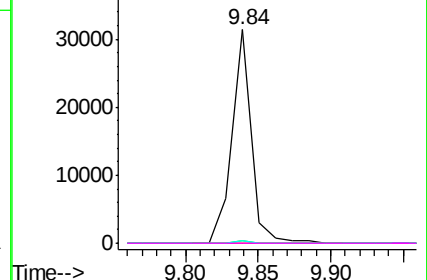
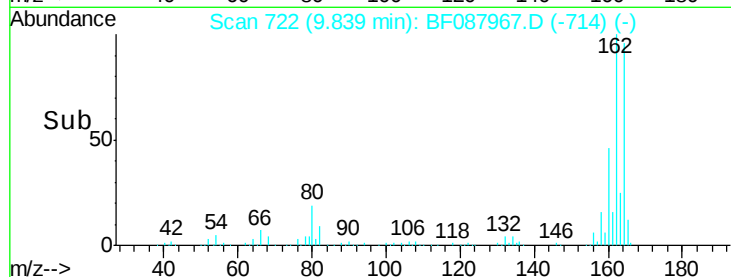


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

RT: 10.39 min Scan# 770

Delta R.T. -0.01 min

Lab File: BF087967.D

Acq: 13 Jun 2016 00:24

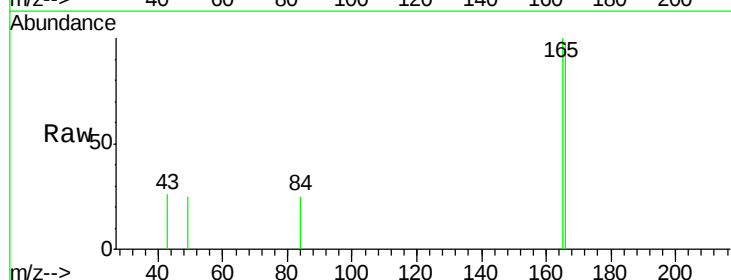
Tgt Ion:166 Resp: 1402

Ion Ratio Lower Upper

166 100

165 101.6 77.8 116.8

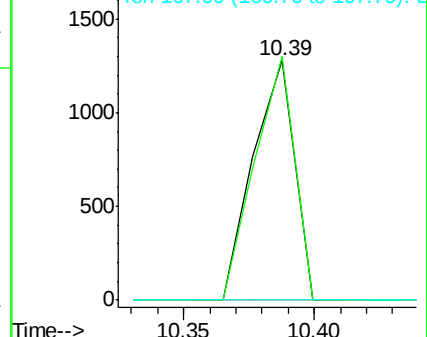
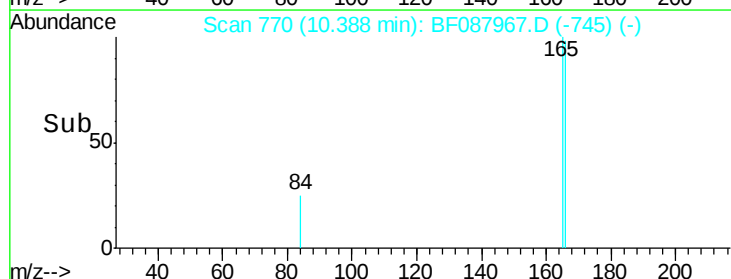
167 0.0 11.2 16.8#

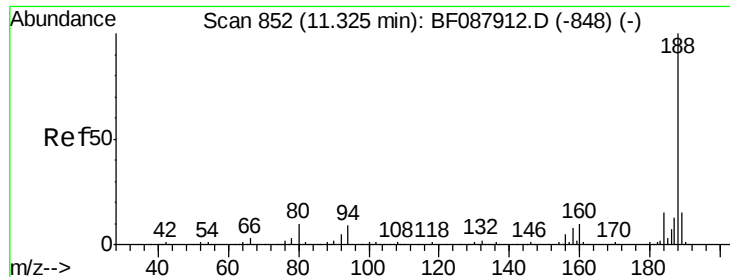


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

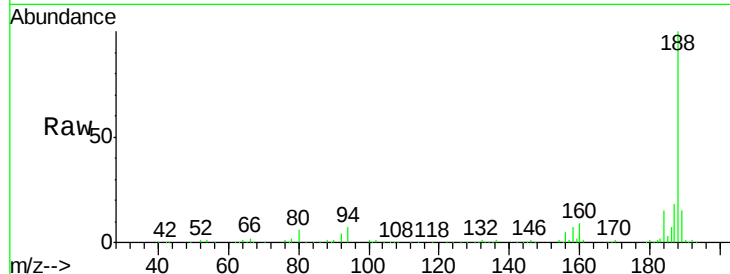




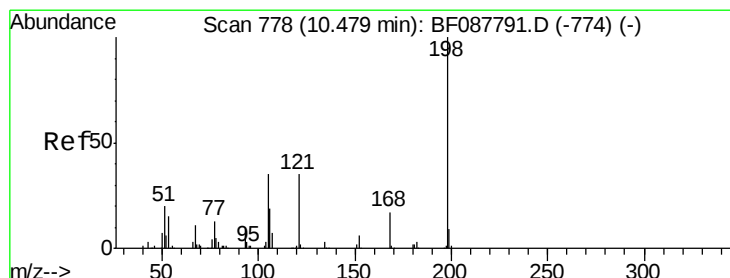
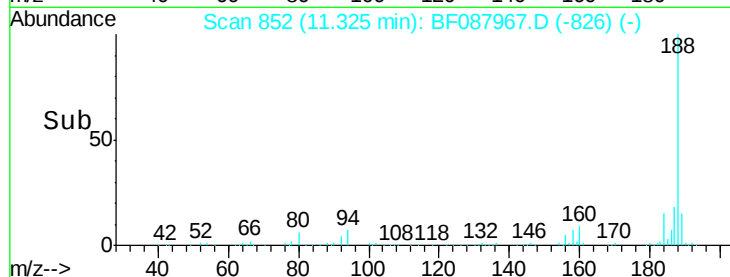
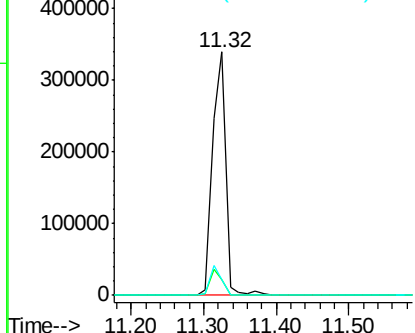
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF087967.D
Acq: 13 Jun 2016 00:24

Instrument :
BNA_F
ClientSampleId :
STA-1045-(0-4)

Tgt Ion:188 Resp: 428402
Ion Ratio Lower Upper
188 100
94 6.6 9.0 13.6#
80 6.4 10.0 15.0#

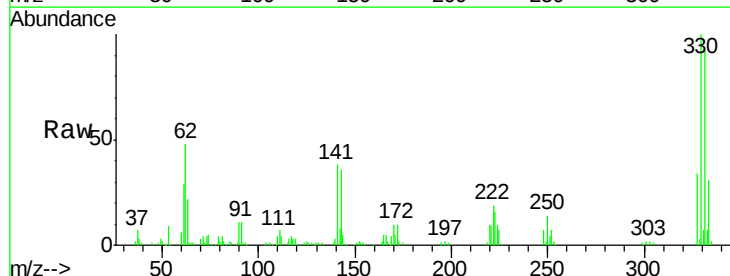


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

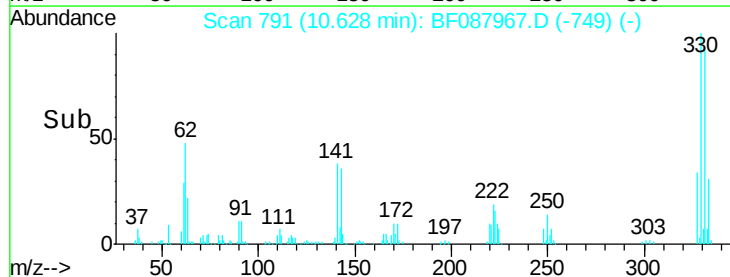
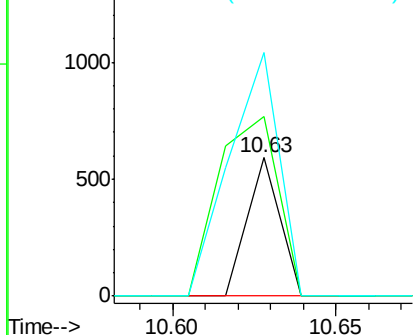


#64
4,6-Dinitro-2-methylphenol
Concen: 2.31 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.18 min
Lab File: BF087967.D
Acq: 13 Jun 2016 00:24

Tgt Ion:198 Resp: 406
Ion Ratio Lower Upper
198 100
51 129.7 39.6 79.6#
105 175.8 36.6 76.6#



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

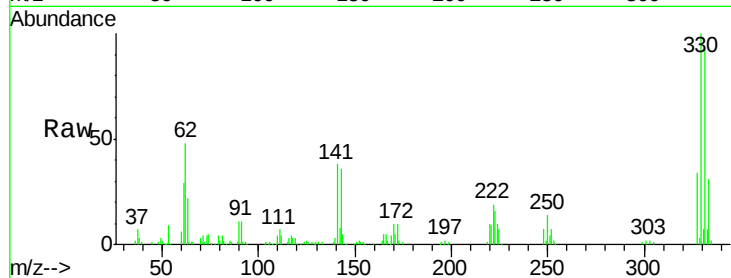




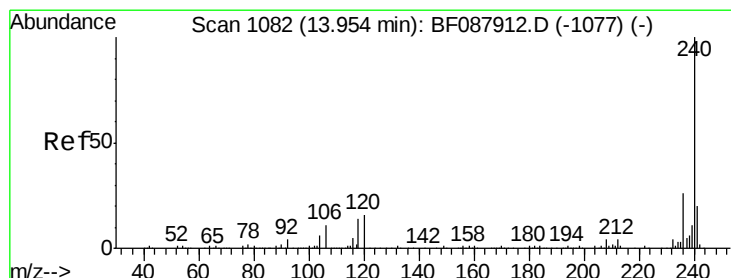
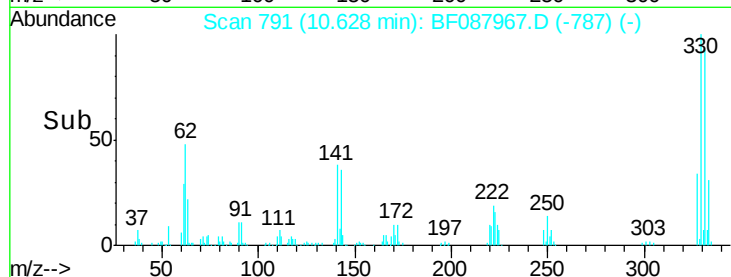
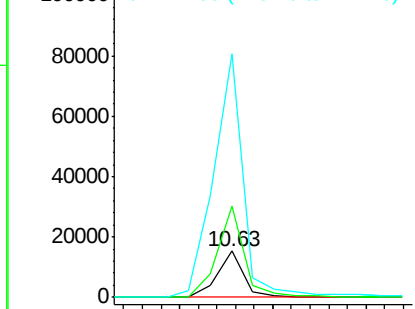
#66
 4-Bromophenyl-phenylether
 Concen: 3.31 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.25 min
 Lab File: BF087967.D
 Acq: 13 Jun 2016 00:24

Instrument :
 BNA_F
 ClientSampleId :
 STA-1045-(0-4)

Tgt Ion:248 Resp: 15191
 Ion Ratio Lower Upper
 248 100
 250 196.1 77.1 115.7#
 141 526.1 50.6 76.0#

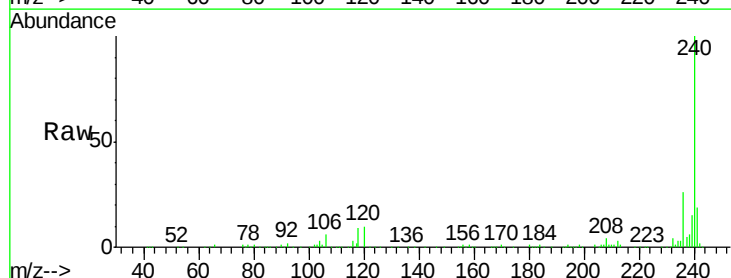


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

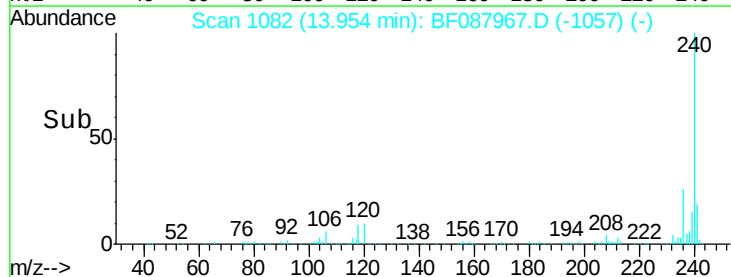
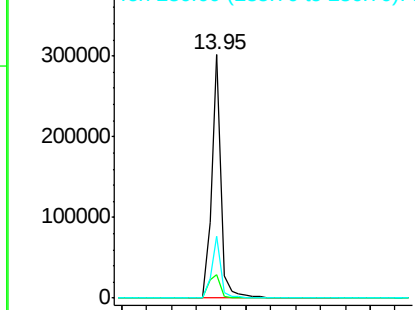


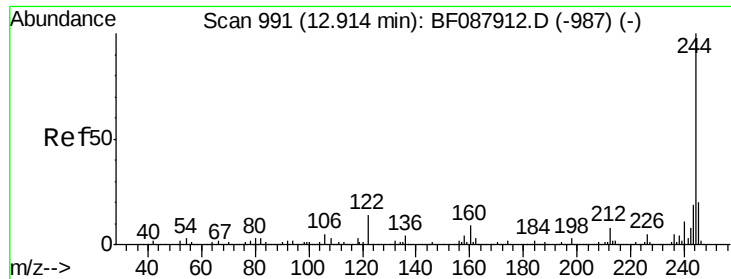
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.95 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: BF087967.D
 Acq: 13 Jun 2016 00:24

Tgt Ion:240 Resp: 308954
 Ion Ratio Lower Upper
 240 100
 120 9.8 6.8 10.2
 236 25.6 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

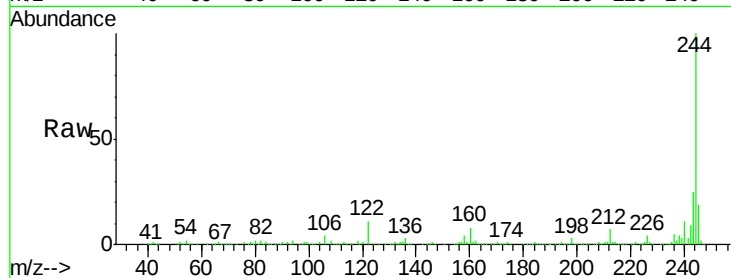




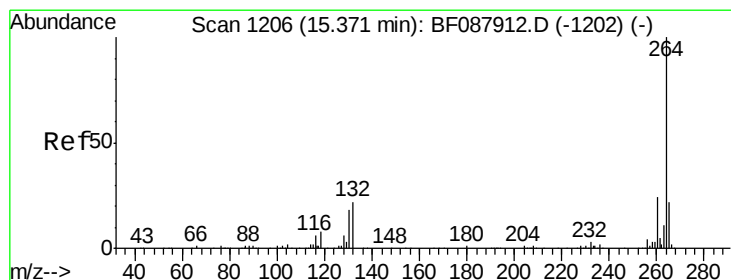
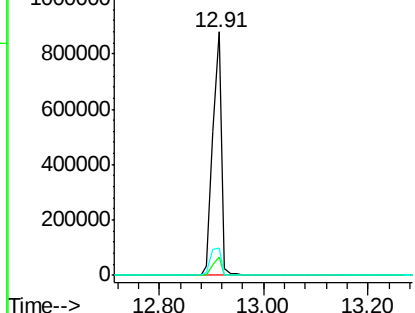
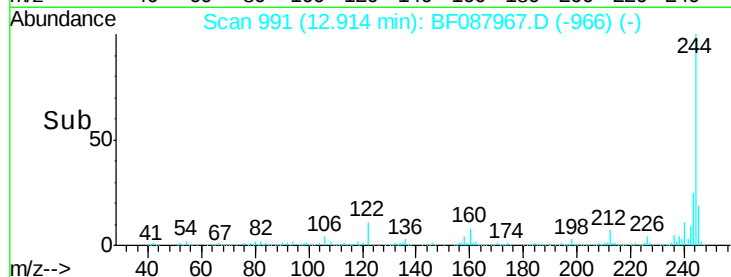
#78
 Terphenyl-d14
 Concen: 74.74 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BF087967.D
 Acq: 13 Jun 2016 00:24

Instrument :
 BNA_F
 ClientSampleId :
 STA-1045-(0-4)

Tgt Ion:244 Resp: 1014753
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 11.2 11.2 16.8#

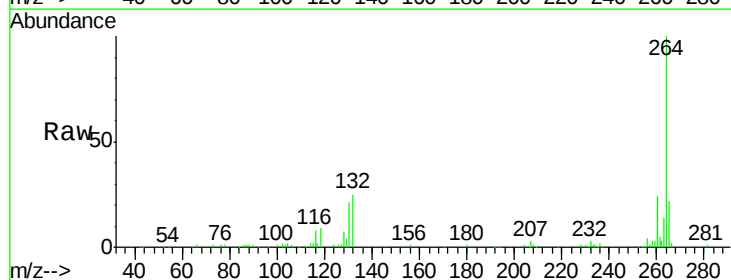


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: BF087967.D
 Acq: 13 Jun 2016 00:24

Tgt Ion:264 Resp: 213248
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 22.2 16.9 25.3



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

