

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088448.D
 Acq On : 27 Jun 2016 11:24
 Operator : UM/SJ
 Sample : H3731-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 27 19:06:12 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 04:27:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	229312	20.00	ng	-0.15
21) Naphthalene-d8	7.83	136	242730	20.00	ng	-0.30
38) Acenaphthene-d10	9.56	164	102052	20.00	ng	-0.32
63) Phenanthrene-d10	11.05	188	221207	20.00	ng	-0.31
75) Chrysene-d12	13.67	240	172956	20.00	ng	-0.32
86) Perylene-d12	15.03	264	26026	20.00	ng	-0.37

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.13	112	431908	32.20	ng	-0.30
7) Phenol-d6	6.20	99	484173	29.78	ng	-0.27
23) Nitrobenzene-d5	7.12	82	361613	86.99	ng	-0.30
41) 2,4,6-Tribromophenol	10.36	330	153712	142.65	ng	-0.31
44) 2-Fluorobiphenyl	8.90	172	663946	103.40	ng	-0.31
78) Terphenyl-d14	12.64	244	693758	91.28	ng	-0.31

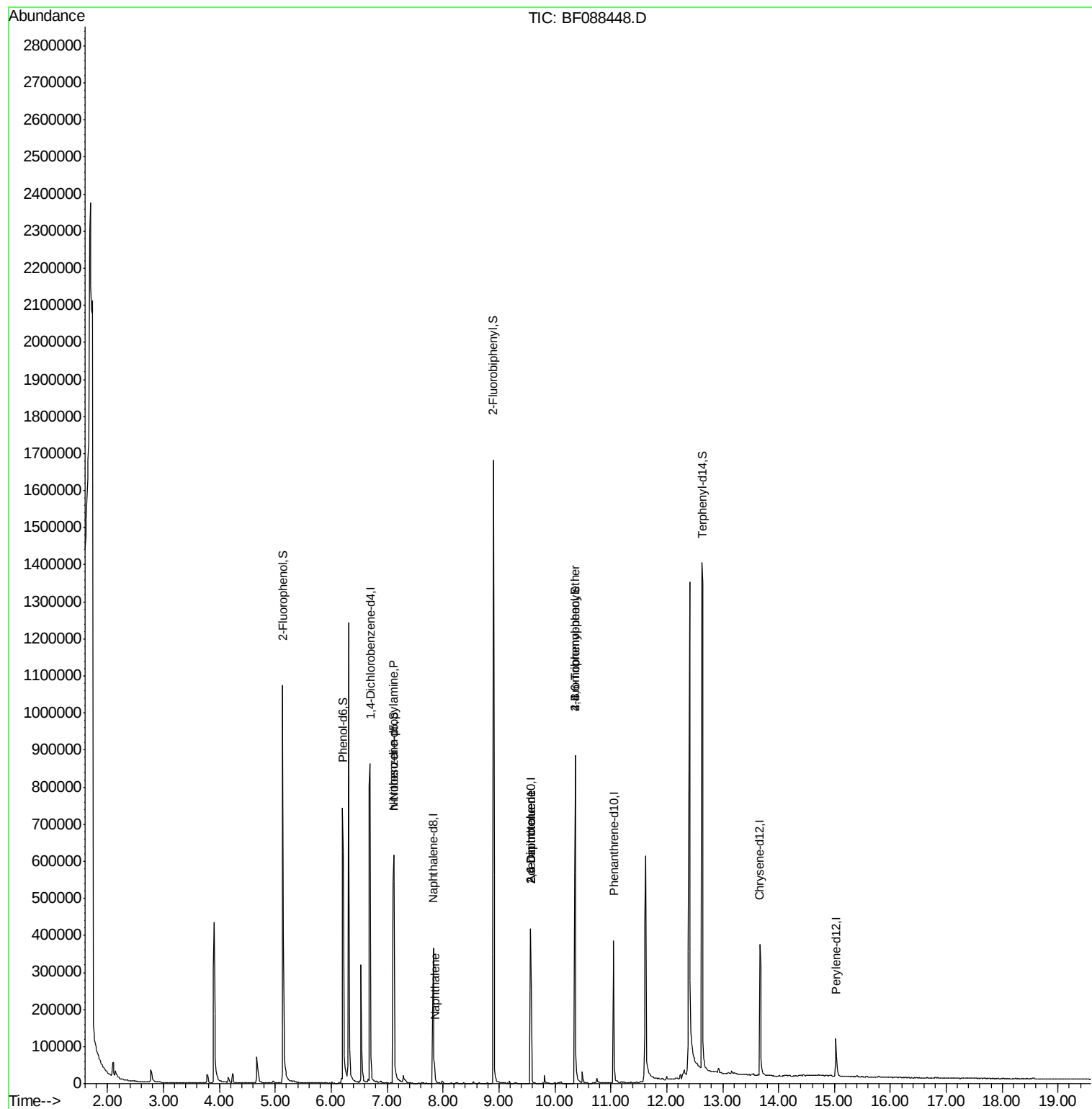
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.31	94	832	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.12	70	44988	4.33	ng	66
31) Naphthalene	7.85	128	31381	2.61	ng	99
45) 1,1'-Biphenyl	9.00	154	257	Below Cal	#	43
50) 2,6-Dinitrotoluene	9.56	165	12810	7.57	ng	37
56) 2,4-Dinitrotoluene	9.56	165	12811	5.89	ng	36
57) Fluorene	10.12	166	569	Below Cal	#	92
66) 4-Bromophenyl-phenylether	10.36	248	6987	2.94	ng	1

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
Data File : BF088448.D
Acq On : 27 Jun 2016 11:24
Operator : UM/SJ
Sample : H3731-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 27 19:06:12 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 27 04:27:12 2016
Response via : Initial Calibration



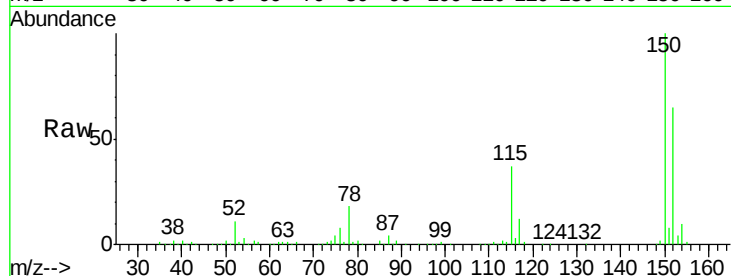


#1

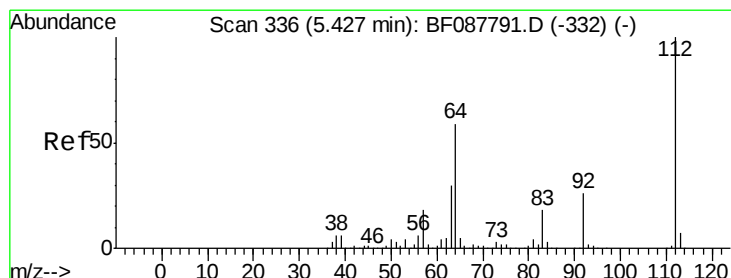
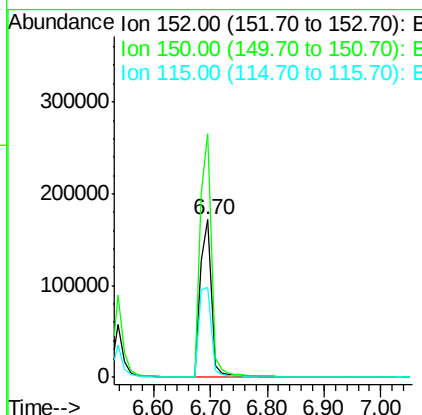
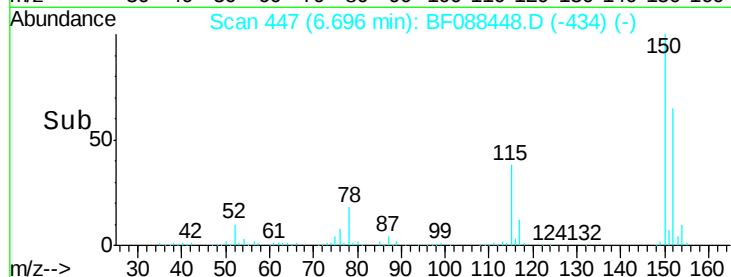
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 447
Delta R.T. -0.15 min
Lab File: BF088448.D
Acq: 27 Jun 2016 11:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	123.8	185.6
115	57.6	39.6	59.4



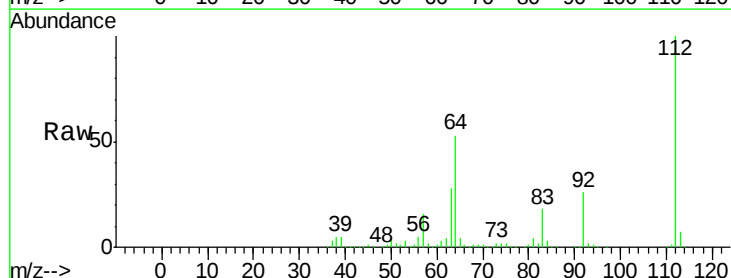
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



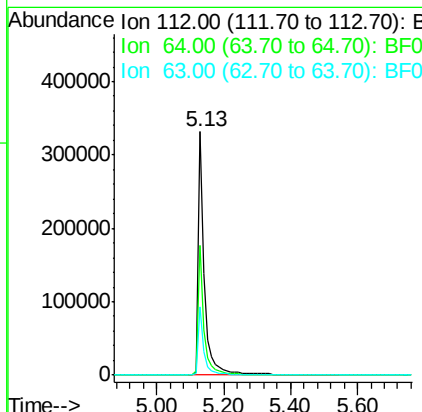
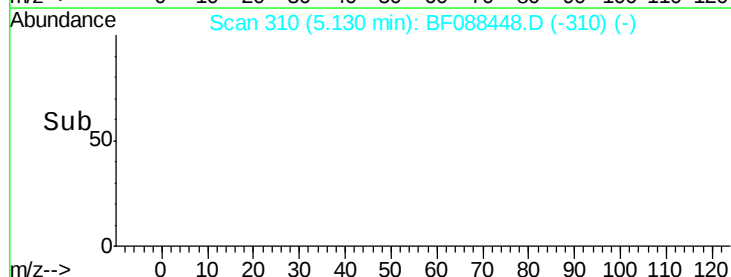
#5

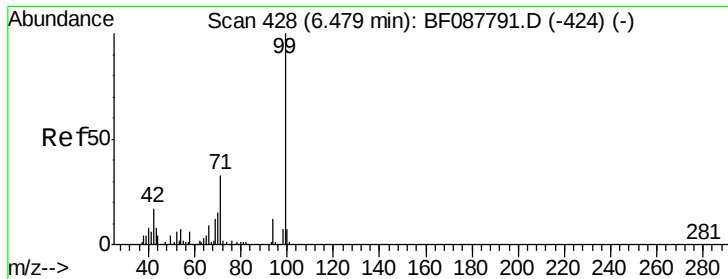
2-Fluorophenol
Concen: 32.20 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.30 min
Lab File: BF088448.D
Acq: 27 Jun 2016 11:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	42.2	63.2
63	28.0	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: 29.78 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.27 min

Lab File: BF088448.D

Acq: 27 Jun 2016 11:24

Instrument :

BNA_F

ClientSampleId :

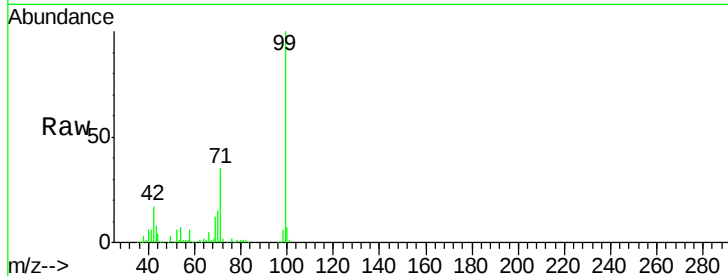
Tot Ion: 99 Resp: 484173

Ion Ratio Lower Upper

99 100

42 16.7 12.2 18.2

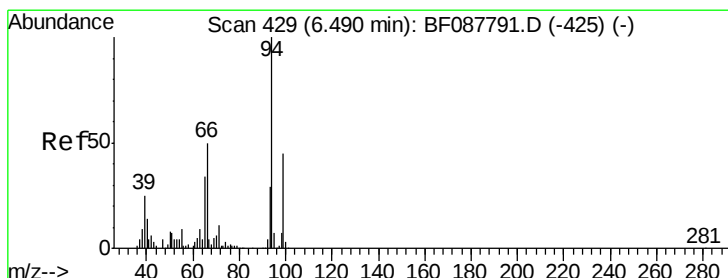
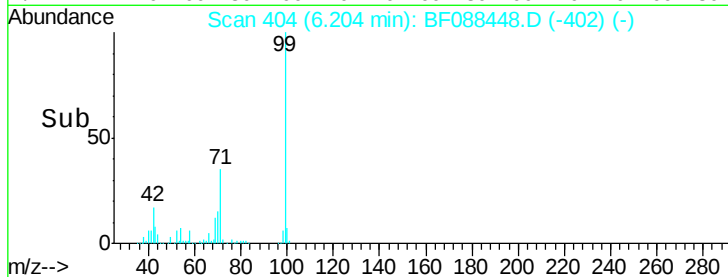
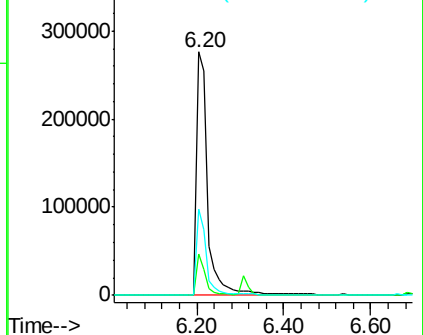
71 35.4 23.4 35.0#



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



#10

Phenol

Concen: Below Cal

RT: 6.31 min Scan# 413

Delta R.T. -0.18 min

Lab File: BF088448.D

Acq: 27 Jun 2016 11:24

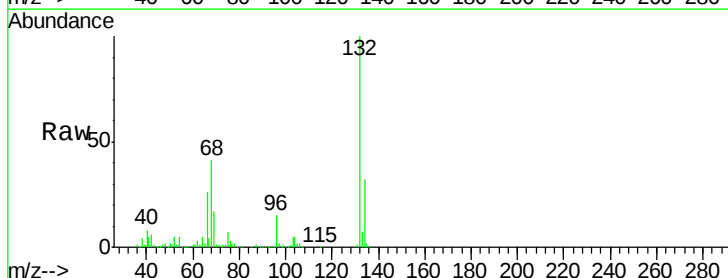
Tgt Ion: 94 Resp: 832

Ion Ratio Lower Upper

94 100

65 949.3 5.9 45.9#

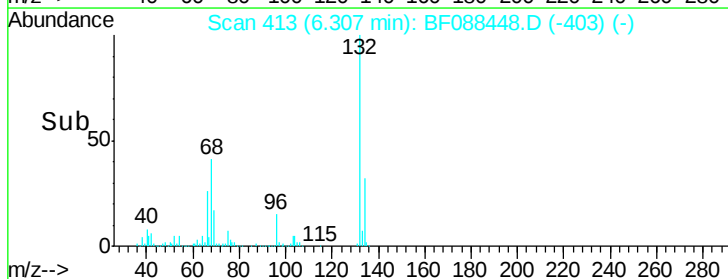
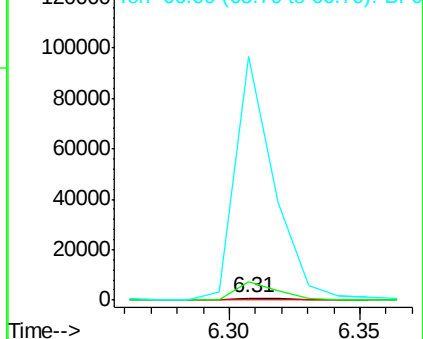
66 12357.5 14.0 54.0#

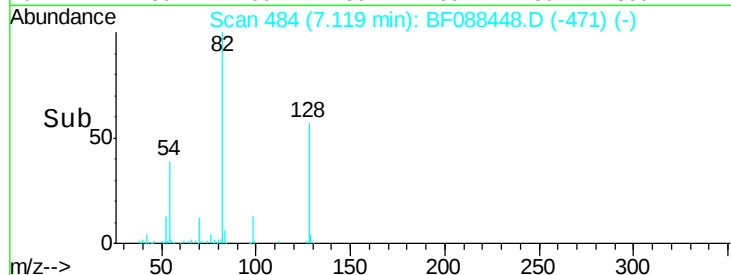
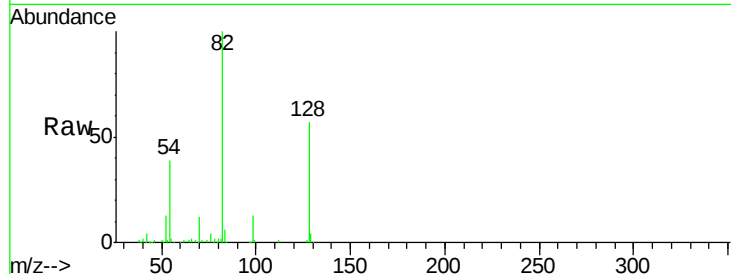


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

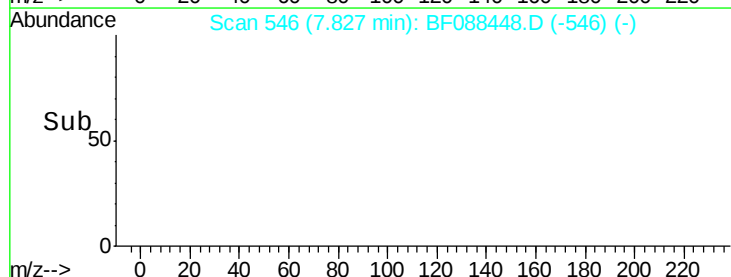
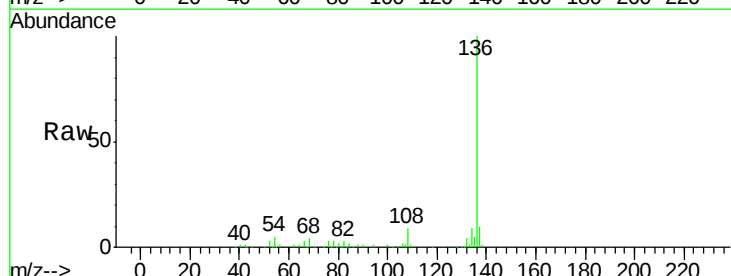
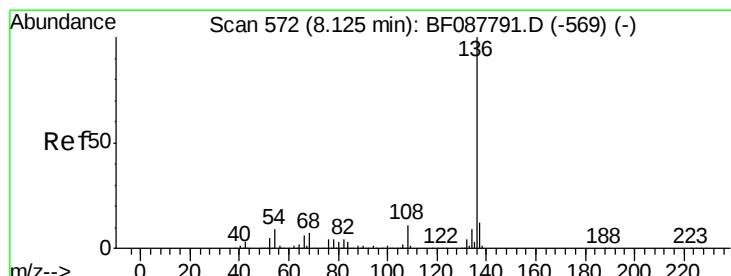
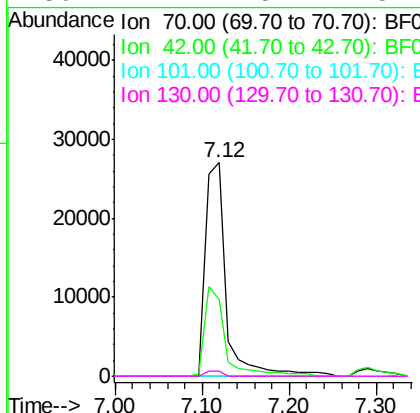




#19
n-Nitroso-di-n-propylamine
Concen: 4.33 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.15 min
Lab File: BF088448.D
Acq: 27 Jun 2016 11:24

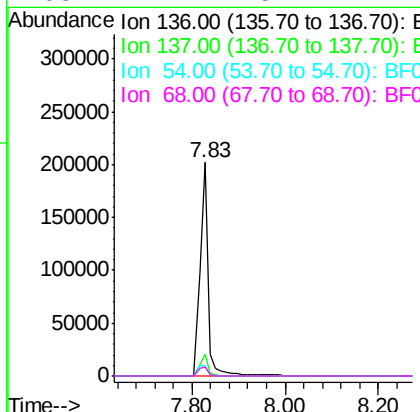
Instrument :
BNA_F
ClientSampleId :

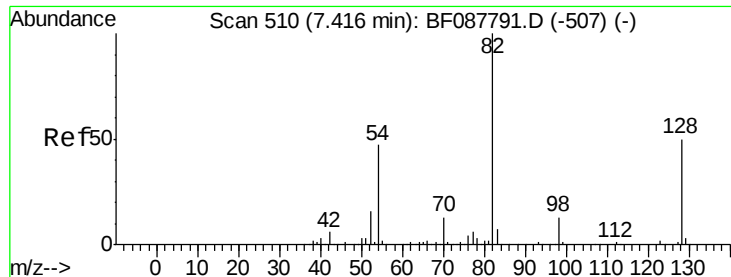
Tot Ion: 70 Resp: 44988
Ion Ratio Lower Upper
70 100
42 35.9 49.6 74.4#
101 0.0 7.1 10.7#
130 2.7 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.30 min
Lab File: BF088448.D
Acq: 27 Jun 2016 11:24

Tgt Ion:136 Resp: 242730
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 5.1 6.6 10.0#
68 4.4 5.1 7.7#

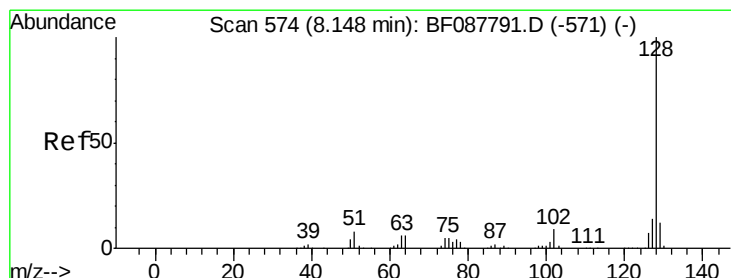
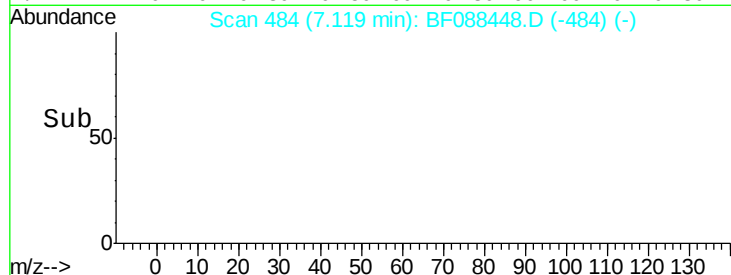
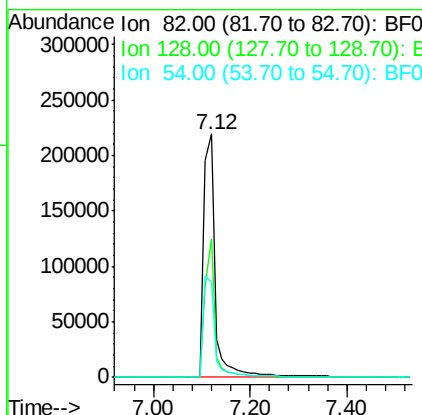
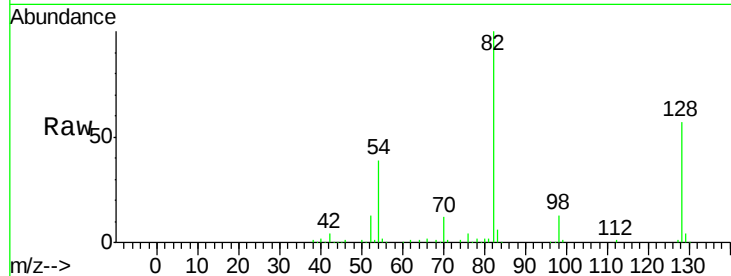




#23
 Nitrobenzene-d5
 Concen: 86.99 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.30 min
 Lab File: BF088448.D
 Acq: 27 Jun 2016 11:24

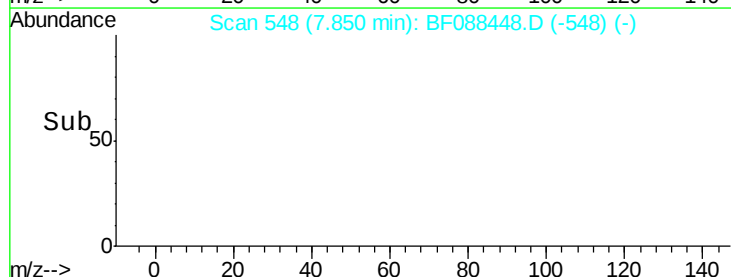
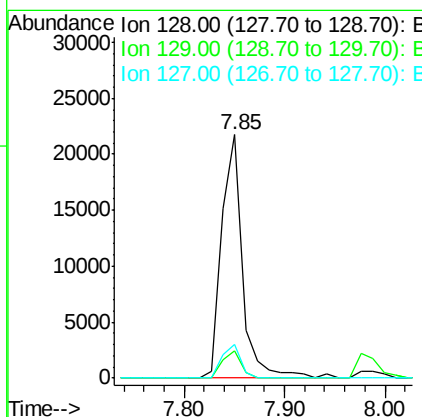
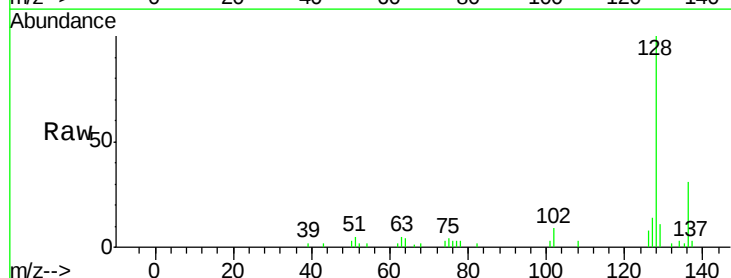
Instrument :
 BNA_F
 ClientSampleId :

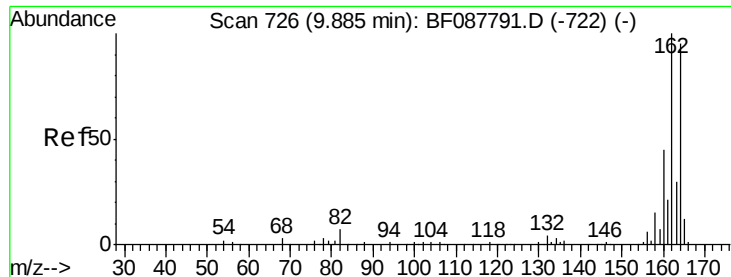
Tot Ion: 82 Resp: 361613
 Ion Ratio Lower Upper
 82 100
 128 57.2 35.9 53.9#
 54 38.8 40.9 61.3#



#31
 Naphthalene
 Concen: 2.61 ng
 RT: 7.85 min Scan# 548
 Delta R.T. -0.30 min
 Lab File: BF088448.D
 Acq: 27 Jun 2016 11:24

Tgt Ion: 128 Resp: 31381
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.4 14.2
 127 13.9 10.9 16.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.32 min

Lab File: BF088448.D

Acq: 27 Jun 2016 11:24

Instrument :

BNA_F

ClientSampleId :

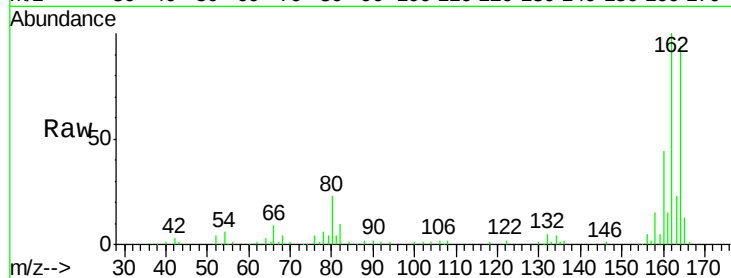
Tot Ion:164 Resp: 102052

Ion Ratio Lower Upper

164 100

162 106.7 85.4 128.2

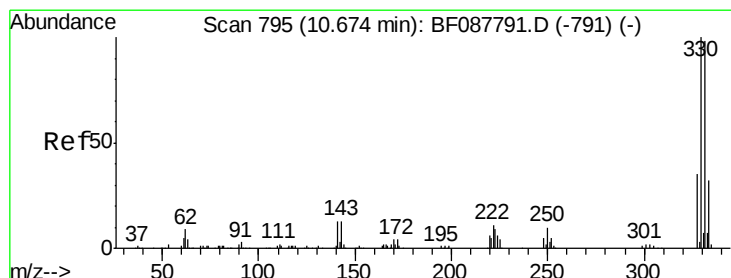
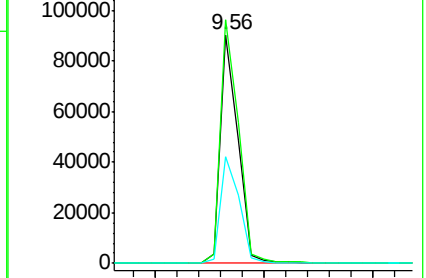
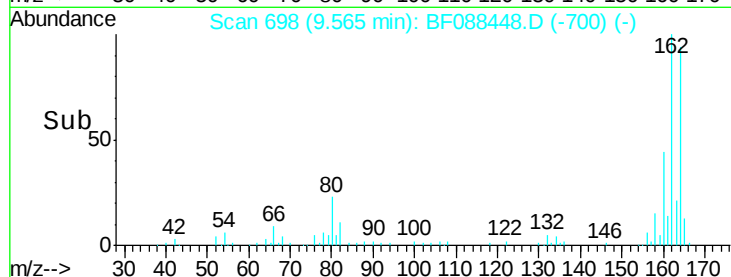
160 47.0 39.5 59.3



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: 142.65 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.31 min

Lab File: BF088448.D

Acq: 27 Jun 2016 11:24

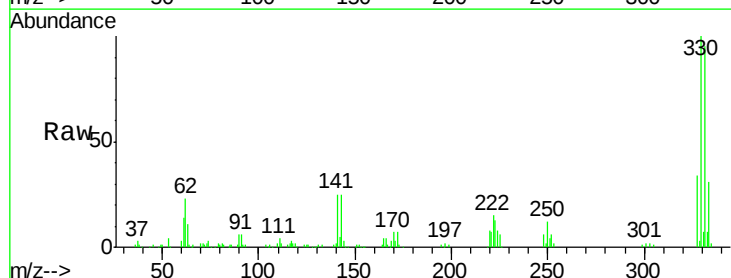
Tgt Ion:330 Resp: 153712

Ion Ratio Lower Upper

330 100

332 96.1 0.0 0.0#

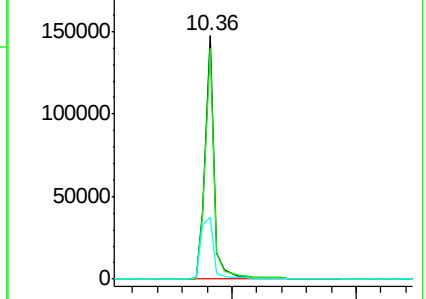
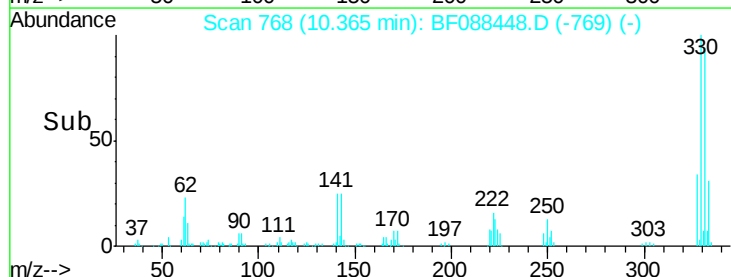
141 35.9 0.0 0.0#



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

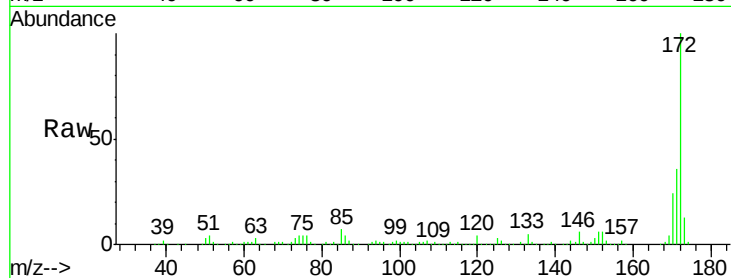




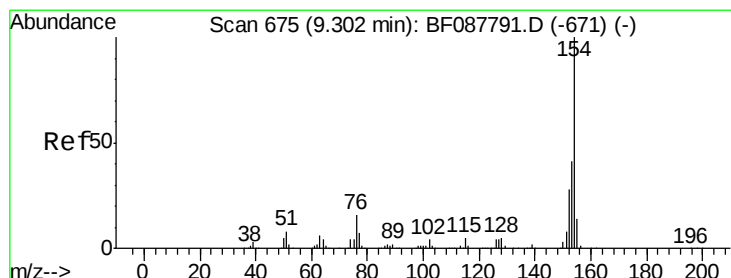
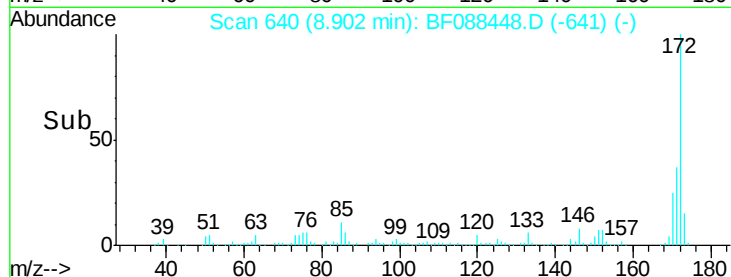
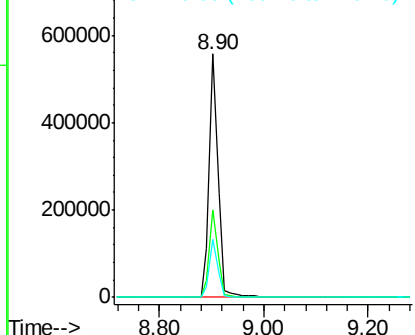
#44
2-Fluorobiphenyl
Concen: 103.40 ng
RT: 8.90 min Scan# 640
Delta R.T. -0.31 min
Lab File: BF088448.D
Acq: 27 Jun 2016 11:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 663946
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.8 19.2 28.8

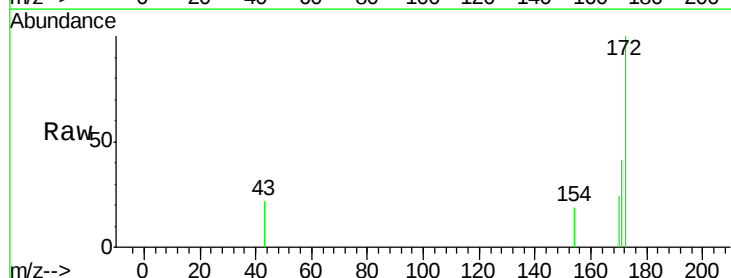


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

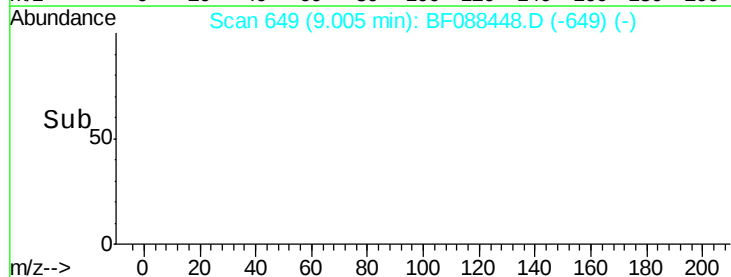
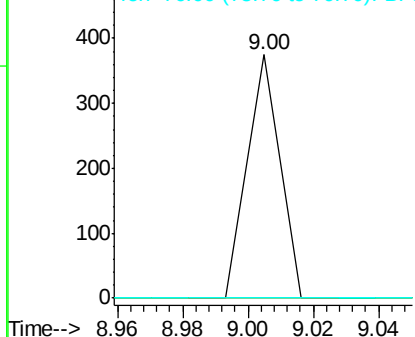


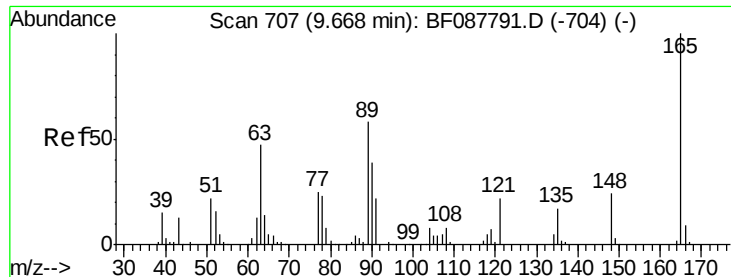
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.00 min Scan# 649
Delta R.T. -0.30 min
Lab File: BF088448.D
Acq: 27 Jun 2016 11:24

Tgt Ion:154 Resp: 257
Ion Ratio Lower Upper
154 100
153 0.0 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

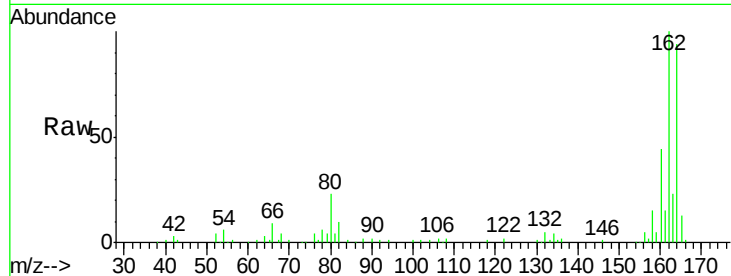




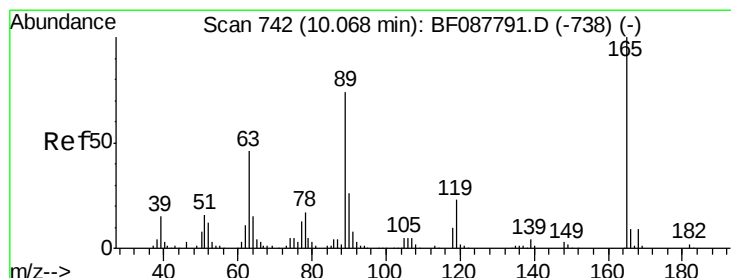
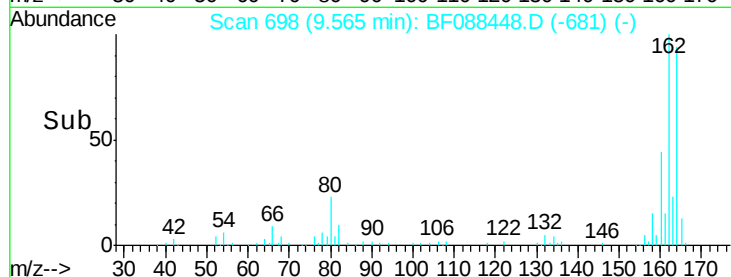
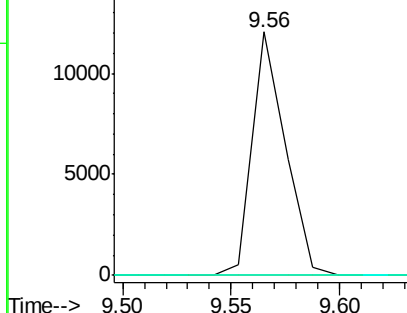
#50
2,6-Dinitrotoluene
Concen: 7.57 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.10 min
Lab File: BF088448.D
Acq: 27 Jun 2016 11:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 12810
Ion Ratio Lower Upper
165 100
63 0.0 28.1 42.1#
89 0.0 32.2 48.2#

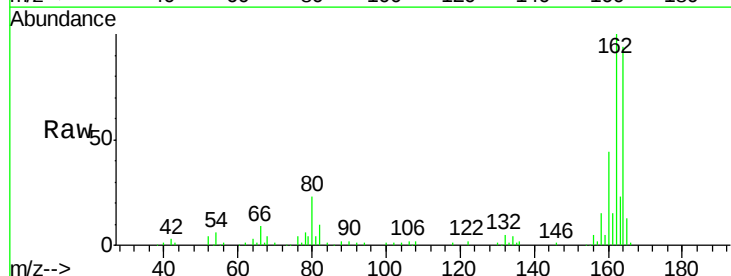


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

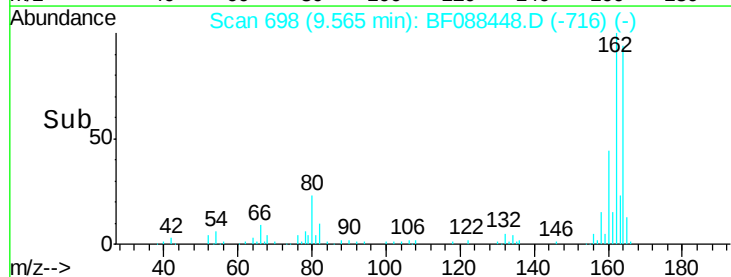
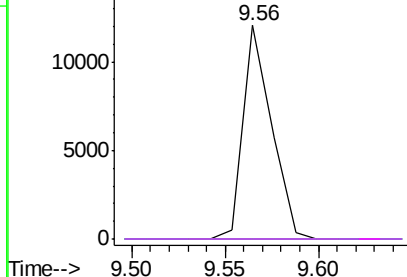


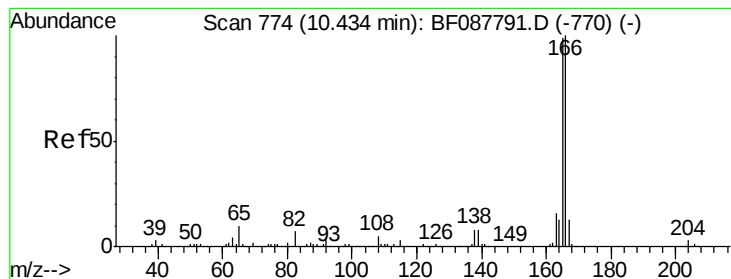
#56
2,4-Dinitrotoluene
Concen: 5.89 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.50 min
Lab File: BF088448.D
Acq: 27 Jun 2016 11:24

Tgt Ion:165 Resp: 12811
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#



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: 10.12 min Scan# 747

Delta R.T. -0.31 min

Lab File: BF088448.D

Acq: 27 Jun 2016 11:24

Instrument :

BNA_F

ClientSampleId :

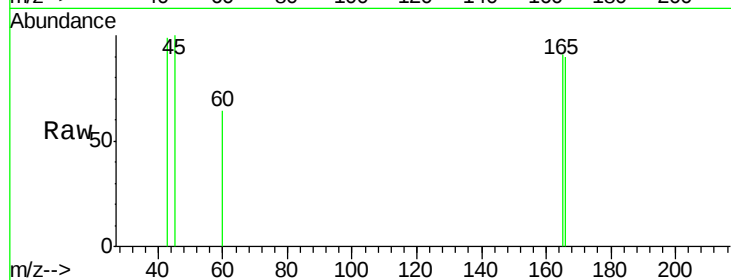
Tot Ion:166 Resp: 569

Ion Ratio Lower Upper

166 100

165 101.0 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

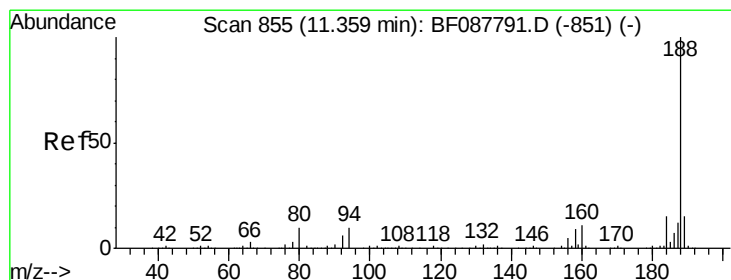
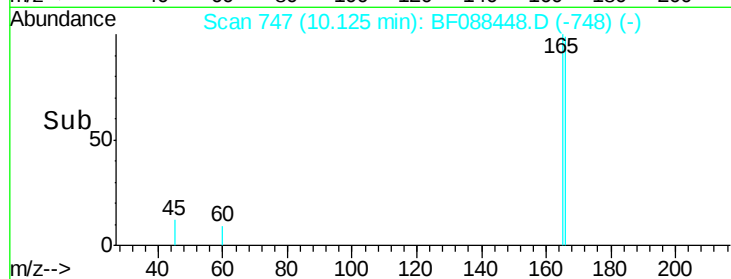
10.12

400

200

0

Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.05 min Scan# 828

Delta R.T. -0.31 min

Lab File: BF088448.D

Acq: 27 Jun 2016 11:24

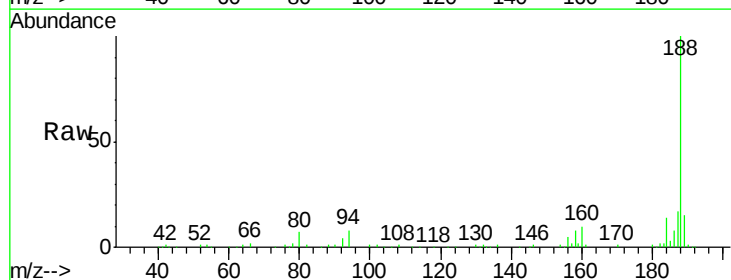
Tgt Ion:188 Resp: 221207

Ion Ratio Lower Upper

188 100

94 7.5 9.0 13.6#

80 7.3 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

11.05

200000

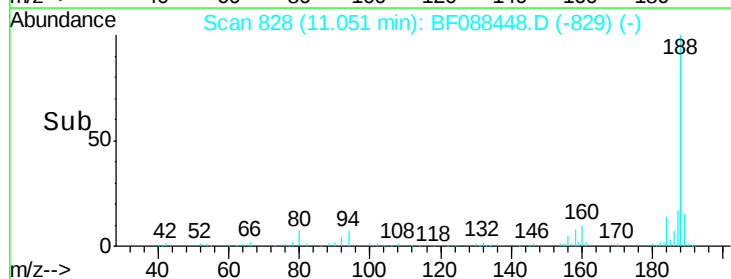
150000

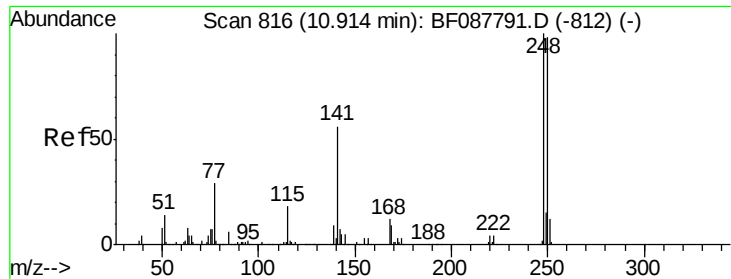
100000

50000

0

Time-->

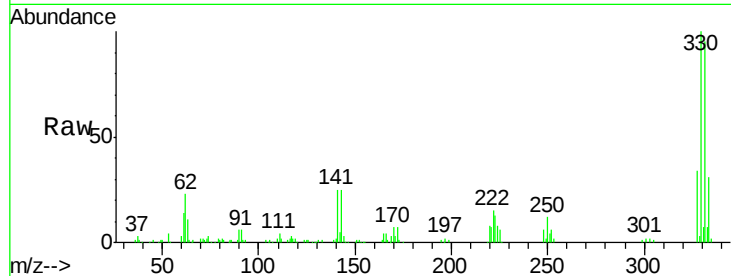




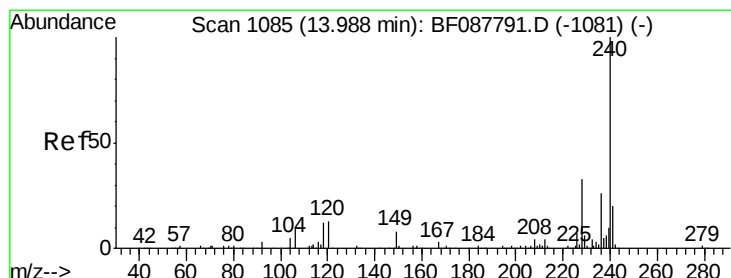
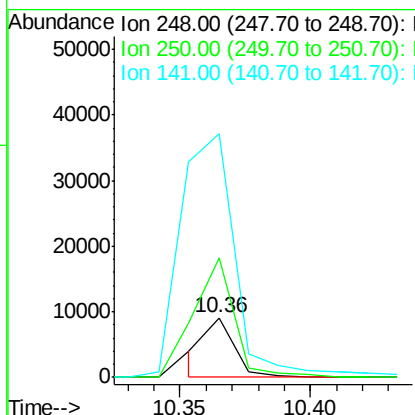
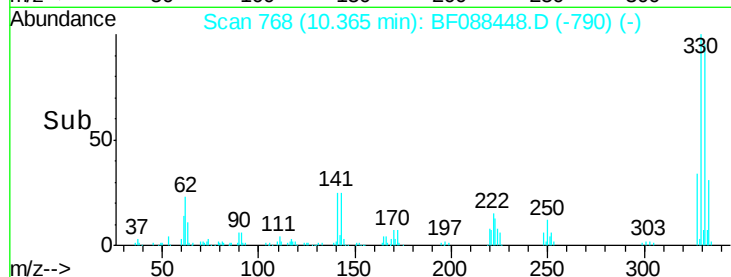
#66
4-Bromophenyl-phenylether
Concen: 2.94 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.55 min
Lab File: BF088448.D
Acq: 27 Jun 2016 11:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 6987
Ion Ratio Lower Upper
248 100
250 201.2 77.1 115.7#
141 408.8 50.6 76.0#

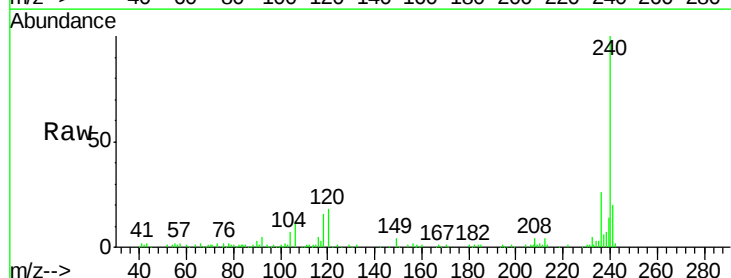


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

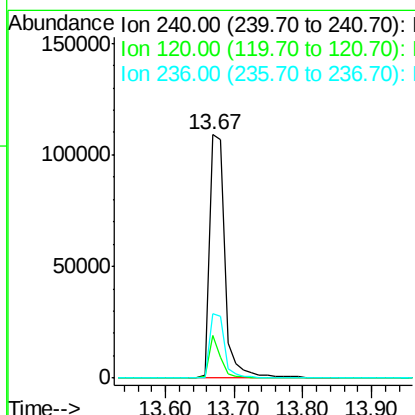
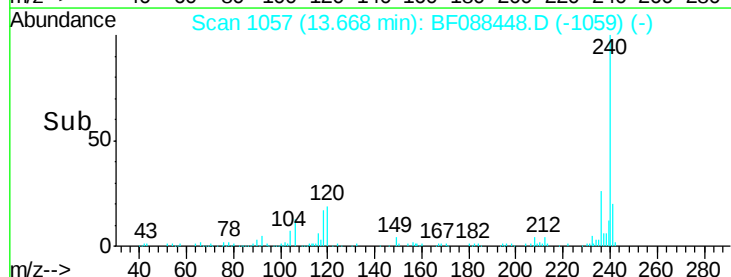


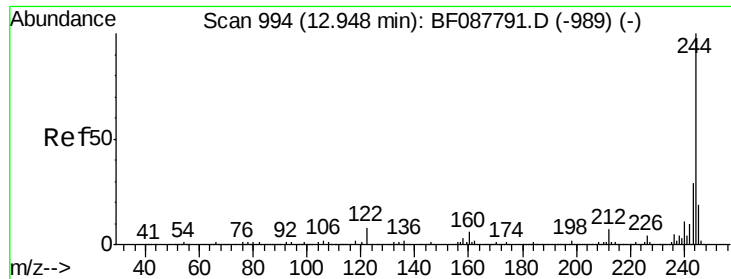
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.32 min
Lab File: BF088448.D
Acq: 27 Jun 2016 11:24

Tgt Ion:240 Resp: 172956
Ion Ratio Lower Upper
240 100
120 17.5 6.8 10.2#
236 26.3 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

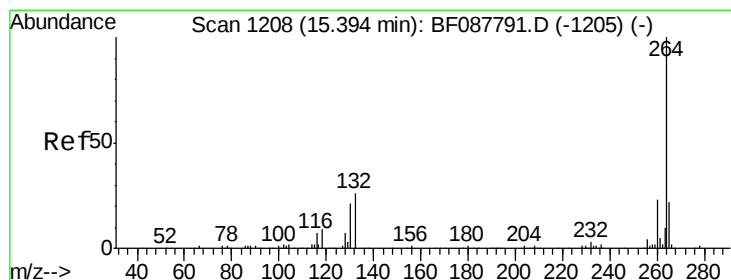
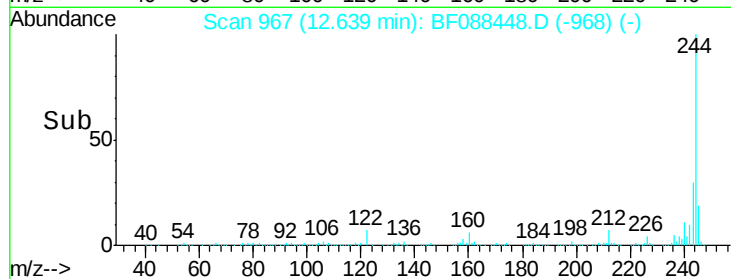
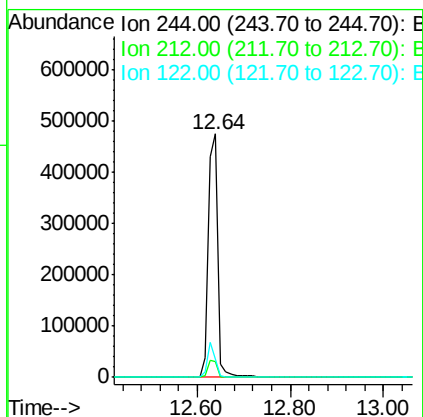
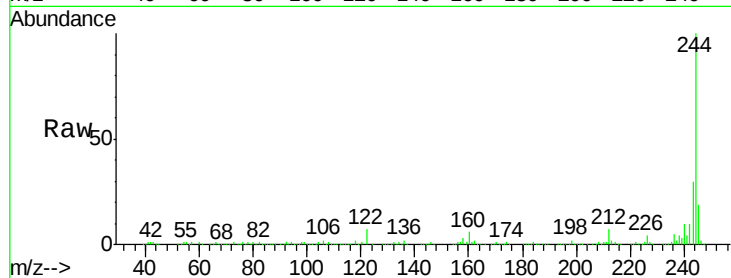




#78
 Terphenyl-d14
 Concen: 91.28 ng
 RT: 12.64 min Scan# 967
 Delta R.T. -0.31 min
 Lab File: BF088448.D
 Acq: 27 Jun 2016 11:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 693758
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 7.5 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1176
 Delta R.T. -0.37 min
 Lab File: BF088448.D
 Acq: 27 Jun 2016 11:24

Tgt Ion:264 Resp: 26026
 Ion Ratio Lower Upper
 264 100
 260 47.4 19.2 28.8#
 265 20.9 16.9 25.3

