

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062316\
 Data File : BF088320.D
 Acq On : 24 Jun 2016 7:35
 Operator : UM/SJ
 Sample : H3683-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 24 13:03:29 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	84446	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	323339	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	148381	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	248467	20.00	ng	-0.01
75) Chrysene-d12	13.72	240	168353	20.00	ng	-0.02
86) Perylene-d12	15.09	264	154806	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	707679	143.26	ng	0.02
7) Phenol-d6	6.27	99	873291	145.88	ng	0.01
23) Nitrobenzene-d5	7.16	82	509377	91.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	187083	119.41	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	857834	91.23	ng	-0.01
78) Terphenyl-d14	12.68	244	629032	85.02	ng	-0.01

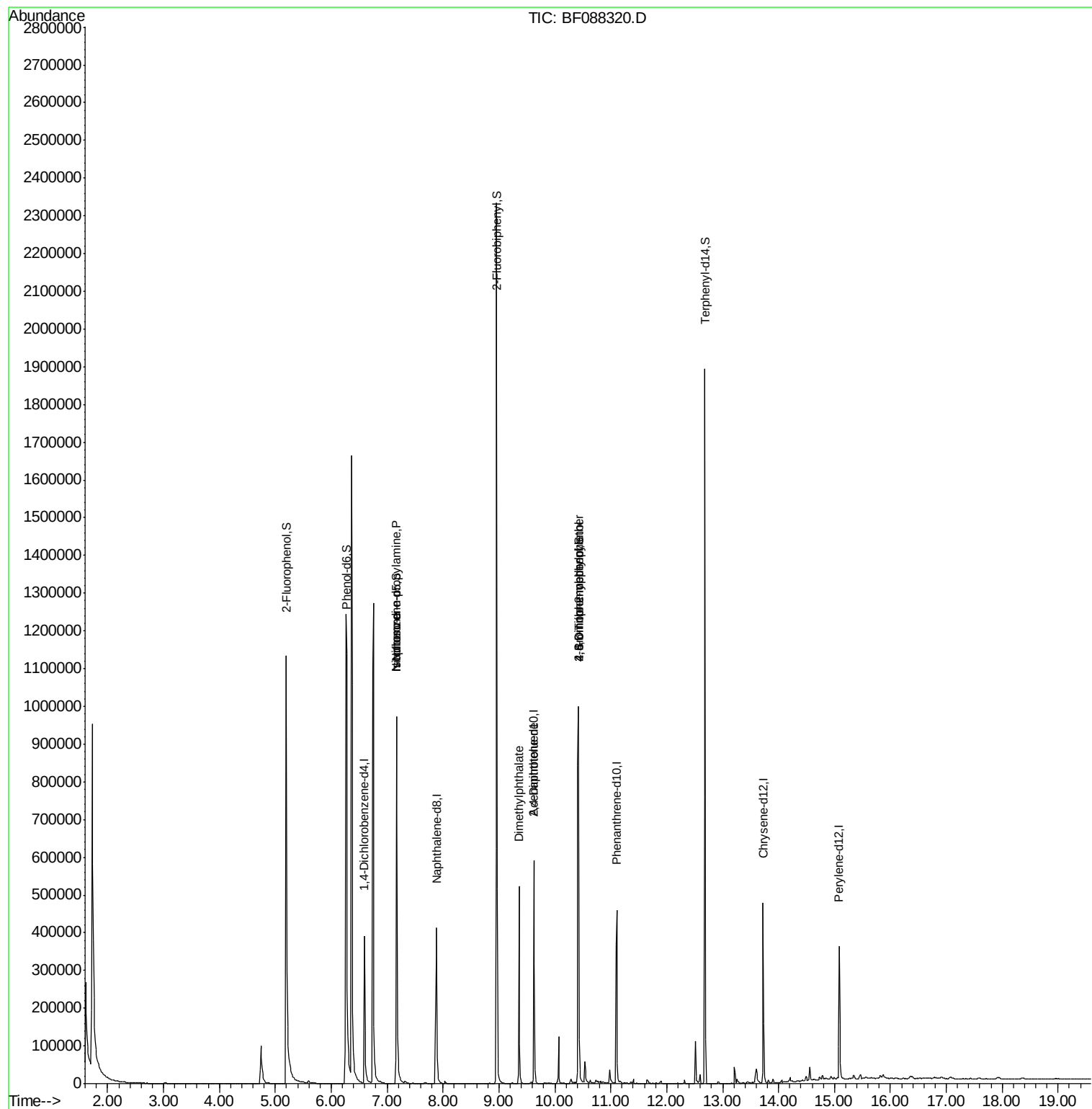
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.28	94	2904	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.16	70	64441	16.83	ng	71
25) Isophorone	7.16	82	494874	48.25	ng	65
45) 1,1'-Biphenyl	8.96	154	1742	Below Cal	#	1
49) Dimethylphthalate	9.36	163	236647	22.02	ng	99
56) 2,4-Dinitrotoluene	9.62	165	18983	6.00	ng	36
57) Fluorene	10.41	166	7959	Below Cal	#	91
64) 4,6-Dinitro-2-methylphenol	10.42	198	440	2.43	ng	5
66) 4-Bromophenyl-phenylether	10.42	248	12196	4.58	ng	1

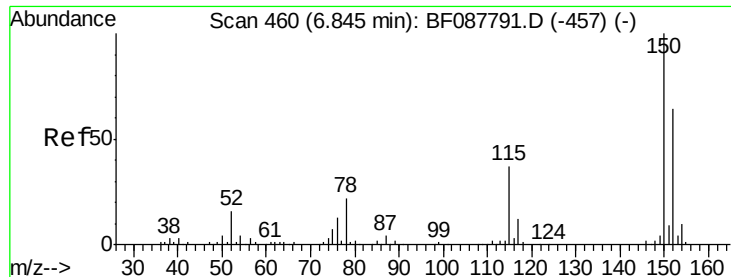
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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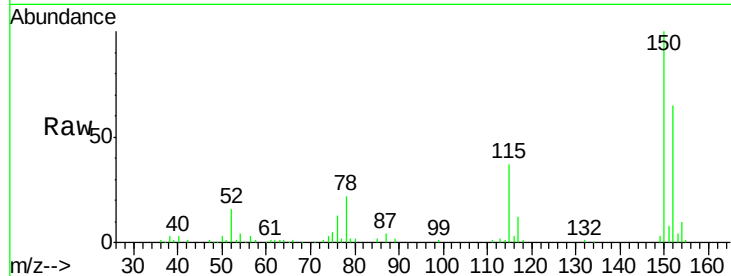


#1

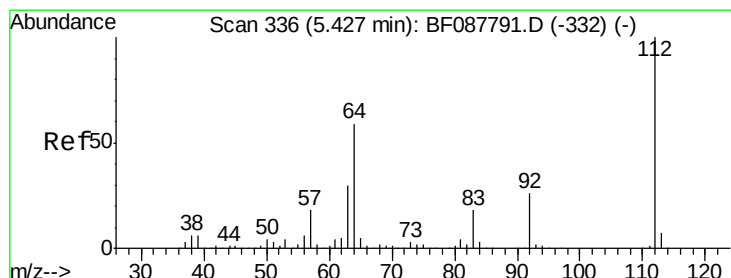
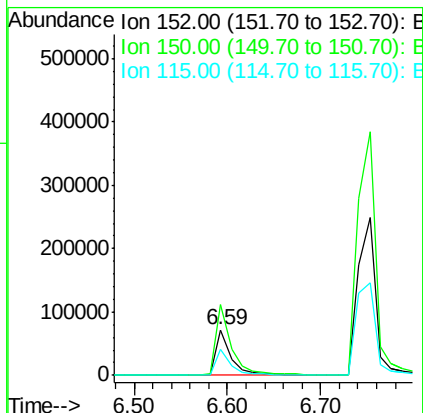
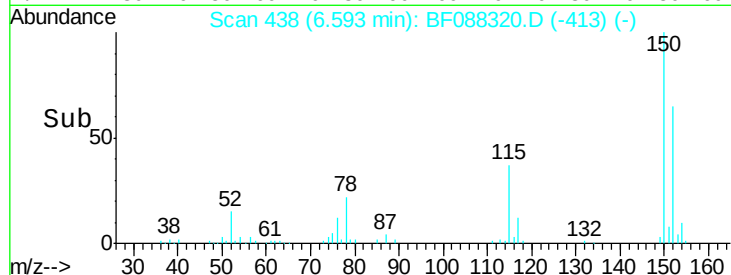
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF088320.D
Acq: 24 Jun 2016 7:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 84446
Ion Ratio Lower Upper
152 100
150 154.9 123.8 185.6
115 57.8 39.6 59.4



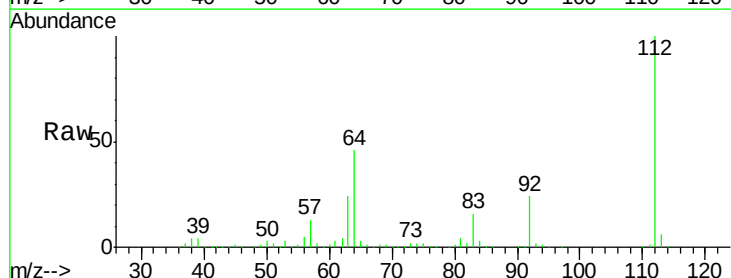
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



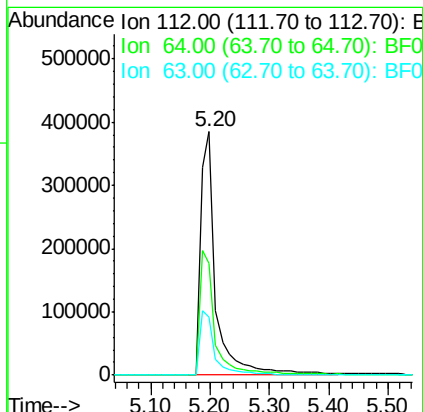
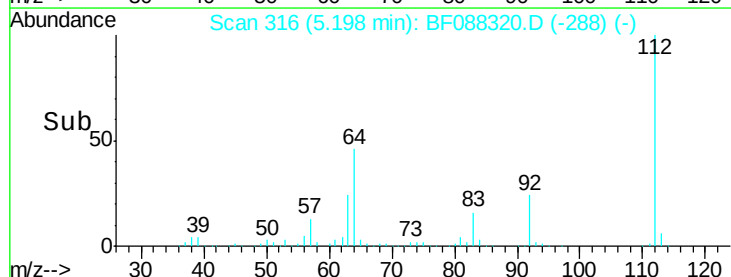
#5

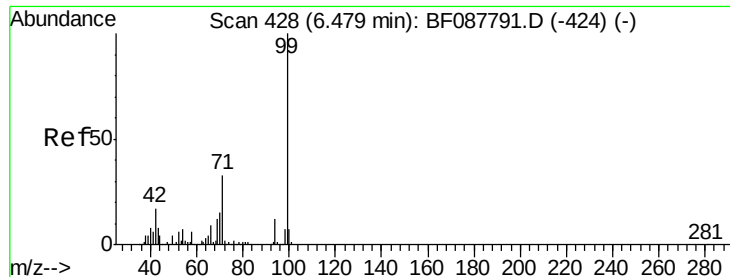
2-Fluorophenol
Concen: 143.26 ng
RT: 5.20 min Scan# 316
Delta R.T. 0.02 min
Lab File: BF088320.D
Acq: 24 Jun 2016 7:35

Tgt Ion:112 Resp: 707679
Ion Ratio Lower Upper
112 100
64 45.9 42.2 63.2
63 23.8 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: 145.88 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.01 min

Lab File: BF088320.D

Acq: 24 Jun 2016 7:35

Instrument :

BNA_F

ClientSampled :

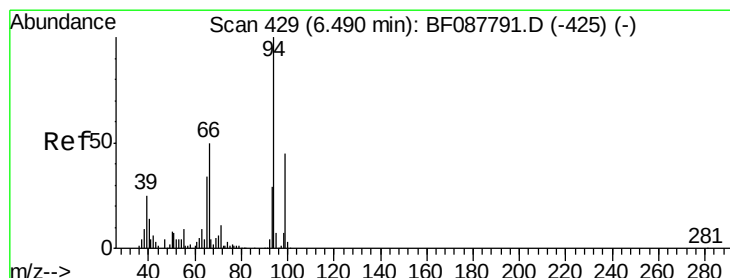
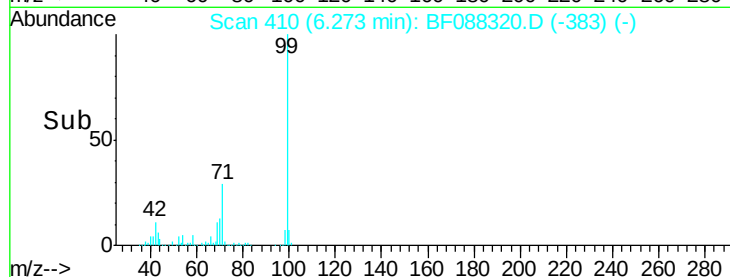
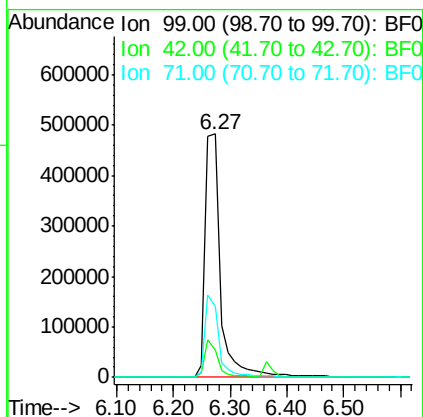
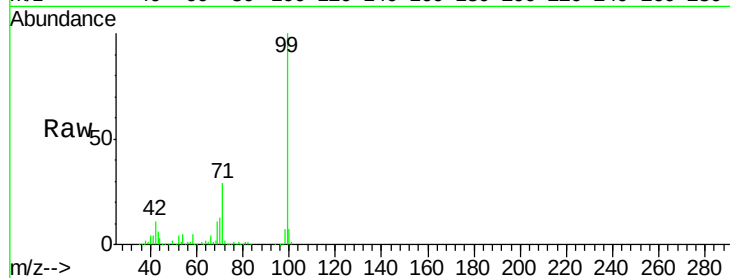
Tot Ion: 99 Resp: 873291

Ion Ratio Lower Upper

99 100

42 11.4 12.2 18.2#

71 29.0 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF088320.D

Acq: 24 Jun 2016 7:35

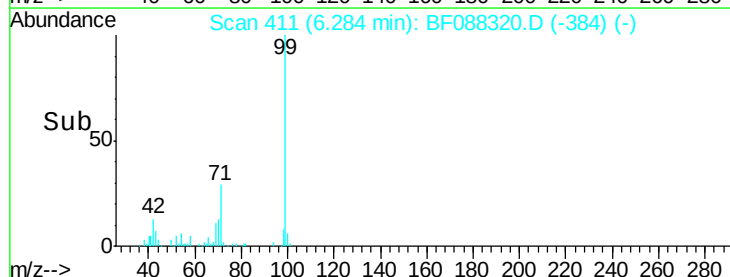
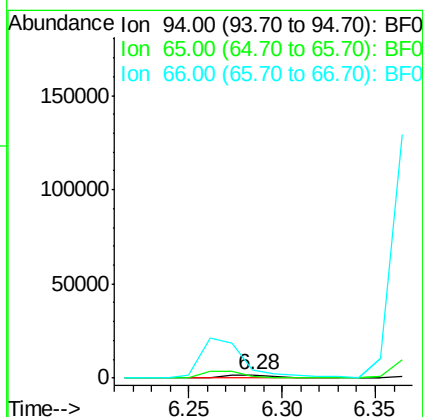
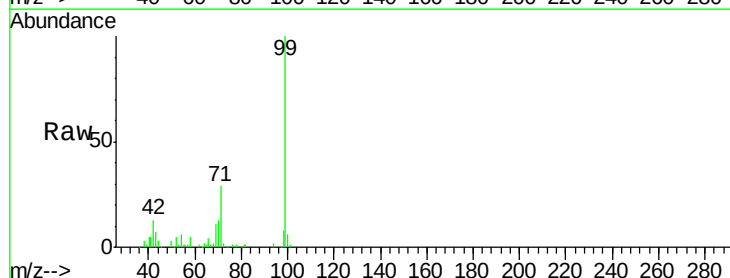
Tgt Ion: 94 Resp: 2904

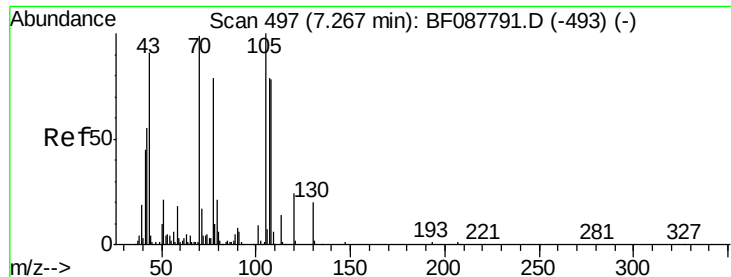
Ion Ratio Lower Upper

94 100

65 61.3 5.9 45.9#

66 257.4 14.0 54.0#

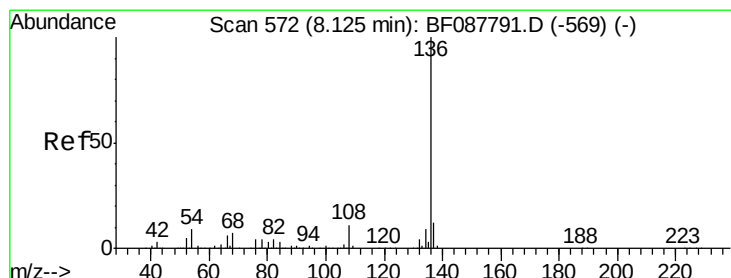
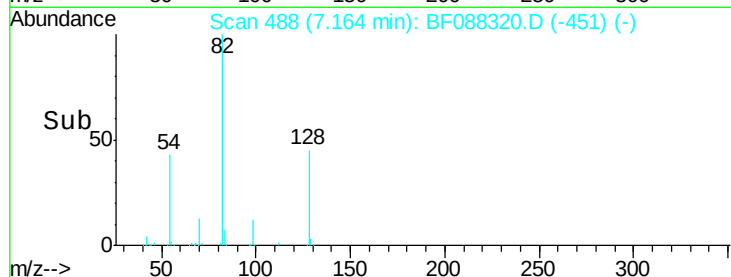
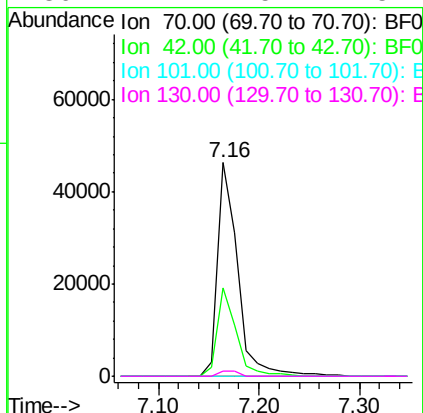
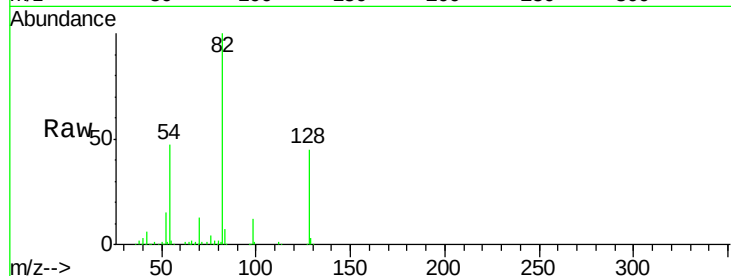




#19
n-Nitroso-di-n-propylamine
Concen: 16.83 ng
RT: 7.16 min Scan# 488
Delta R.T. 0.13 min
Lab File: BF088320.D
Acq: 24 Jun 2016 7:35

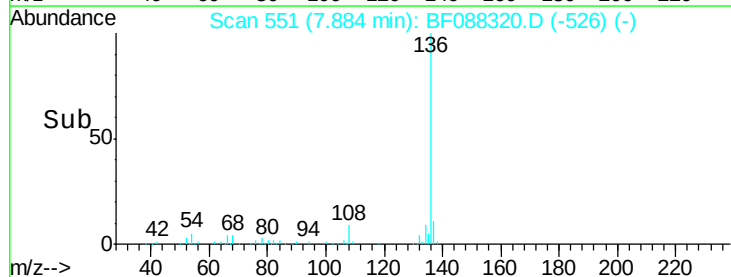
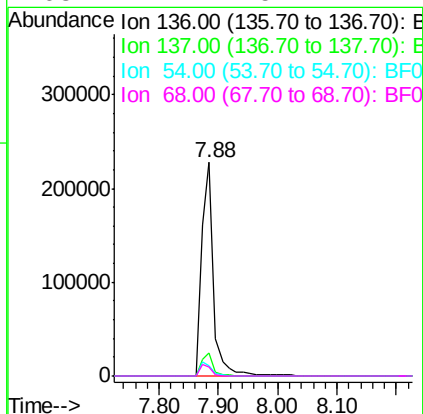
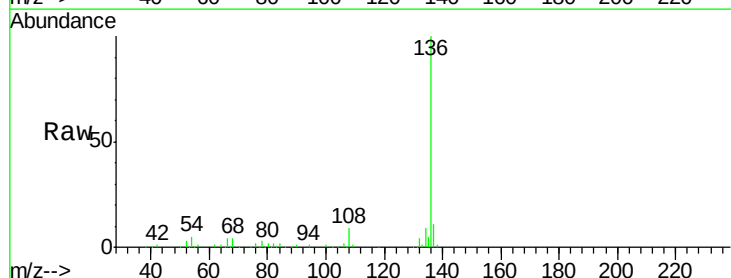
Instrument :
BNA_F
ClientSampleId :

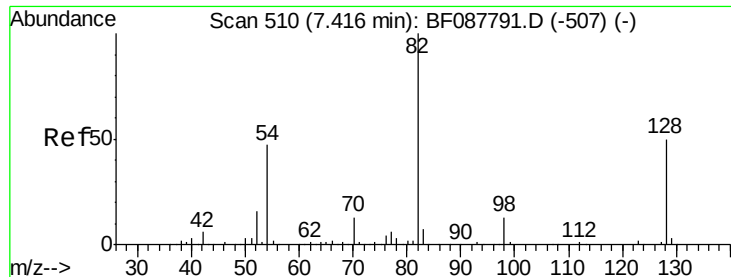
Tot Ion: 70 Resp: 64441
Ion Ratio Lower Upper
70 100
42 41.5 49.6 74.4#
101 0.0 7.1 10.7#
130 2.1 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF088320.D
Acq: 24 Jun 2016 7:35

Tgt Ion: 136 Resp: 323339
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 5.1 6.6 10.0#
68 4.4 5.1 7.7#

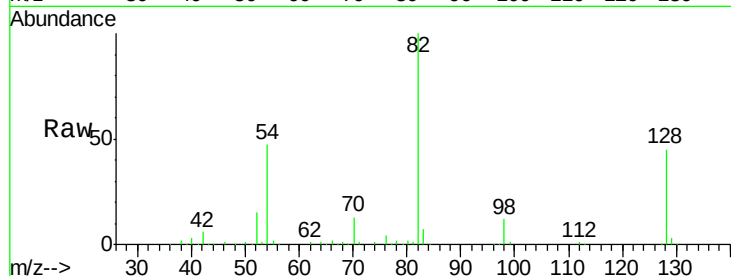




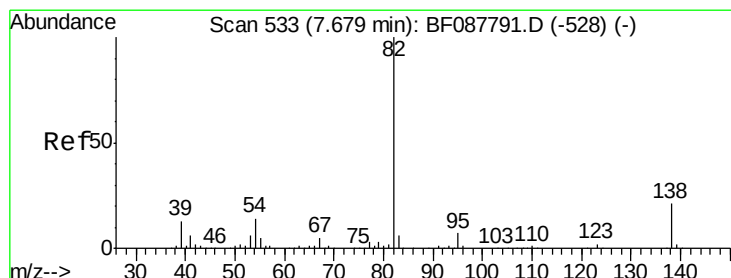
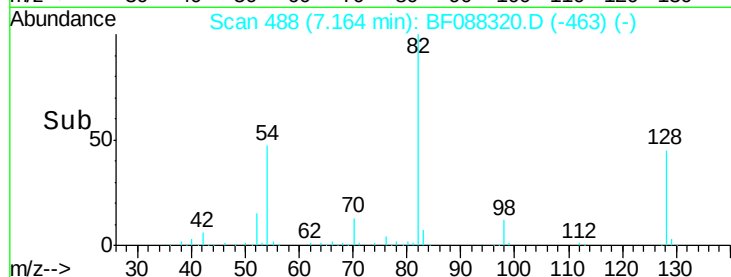
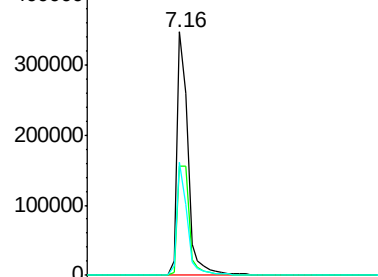
#23
 Nitrobenzene-d5
 Concen: 91.99 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF088320.D
 Acq: 24 Jun 2016 7:35

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 509377
 Ion Ratio Lower Upper
 82 100
 128 45.1 35.9 53.9
 54 46.7 40.9 61.3

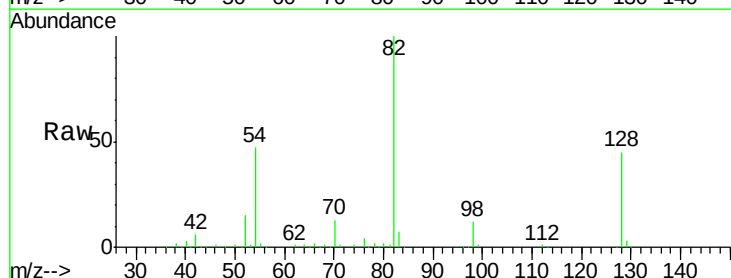


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

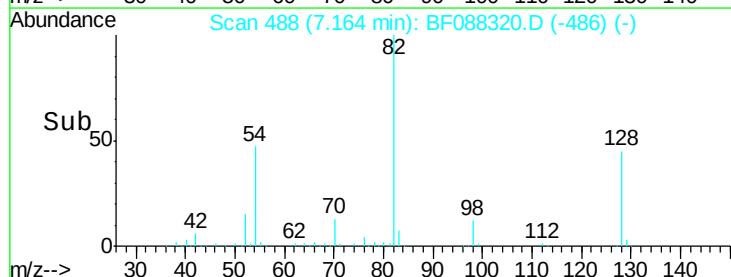
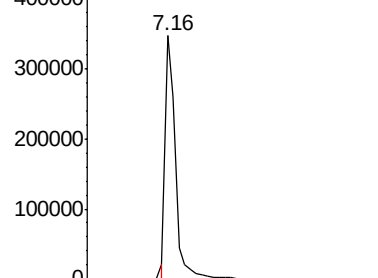


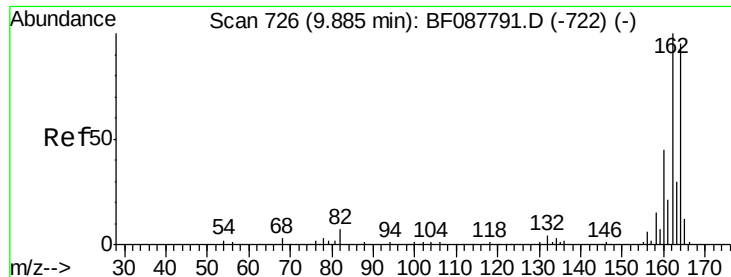
#25
 Isophorone
 Concen: 48.25 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.27 min
 Lab File: BF088320.D
 Acq: 24 Jun 2016 7:35

Tgt Ion: 82 Resp: 494874
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.6 21.8#



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: 9.62 min Scan# 703

Delta R.T. -0.02 min

Lab File: BF088320.D

Acq: 24 Jun 2016 7:35

Instrument :

BNA_F

ClientSampleId :

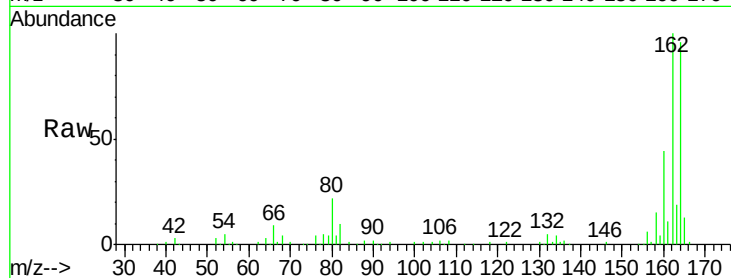
Tot Ion:164 Resp: 148381

Ion Ratio Lower Upper

164 100

162 103.9 85.4 128.2

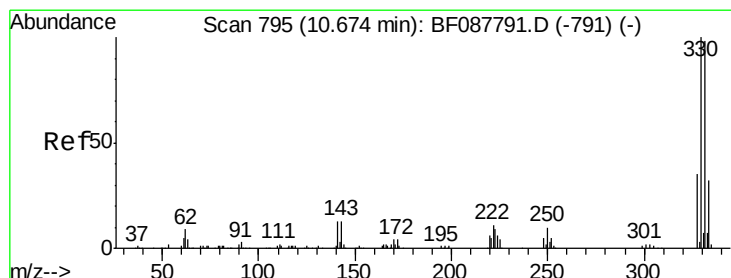
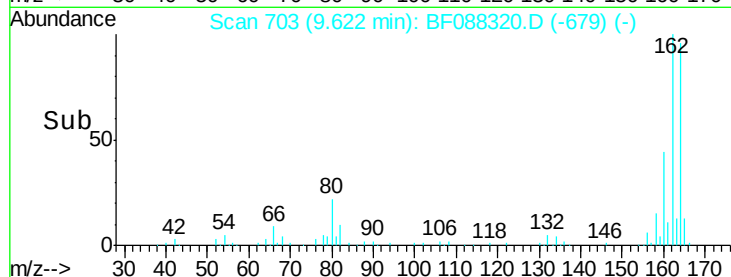
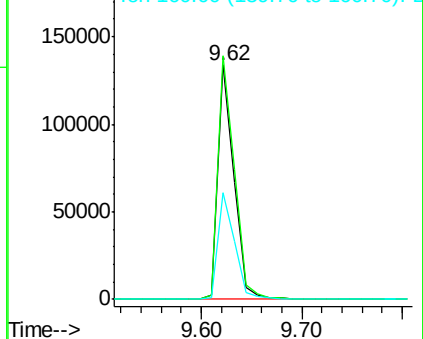
160 45.6 39.5 59.3



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: 119.41 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF088320.D

Acq: 24 Jun 2016 7:35

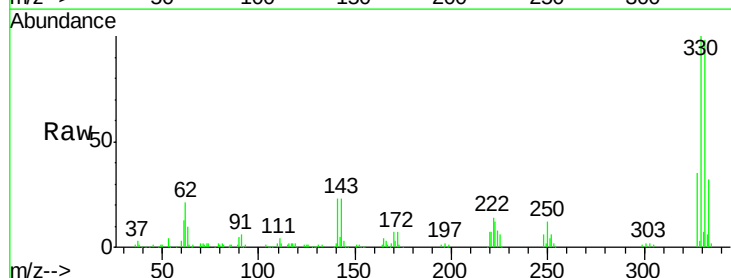
Tgt Ion:330 Resp: 187083

Ion Ratio Lower Upper

330 100

332 98.2 0.0 0.0#

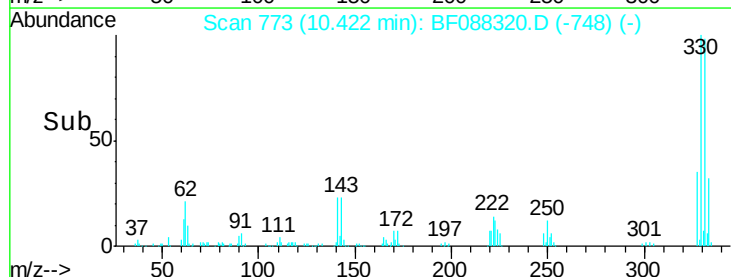
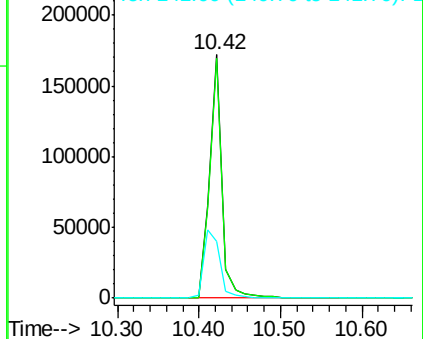
141 36.3 0.0 0.0#

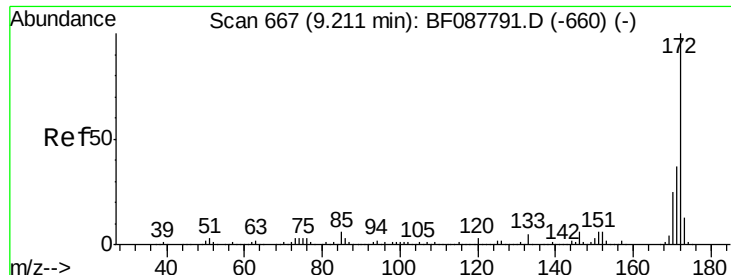


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

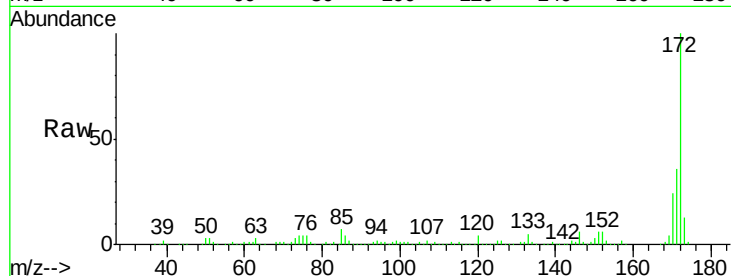




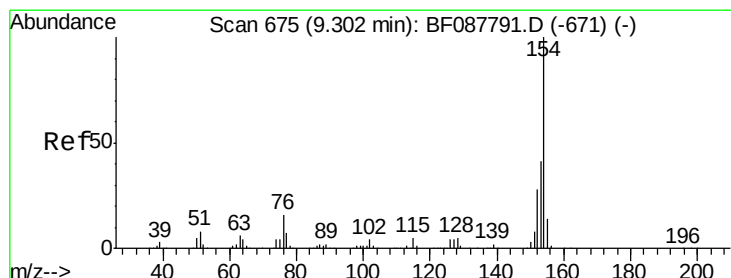
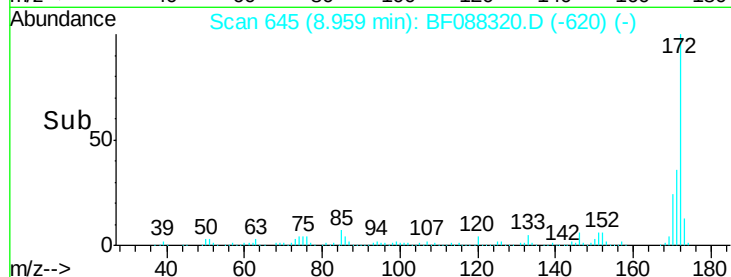
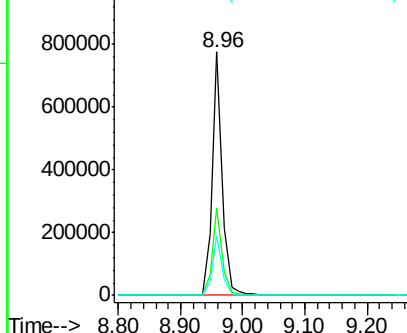
#44
2-Fluorobiphenyl
Concen: 91.23 na
RT: 8.96 min Scan# 645
Delta R.T. -0.01 min
Lab File: BF088320.D
Acq: 24 Jun 2016 7:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 857834
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.3 19.2 28.8

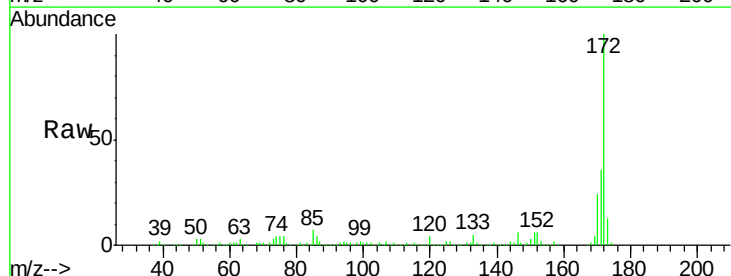


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

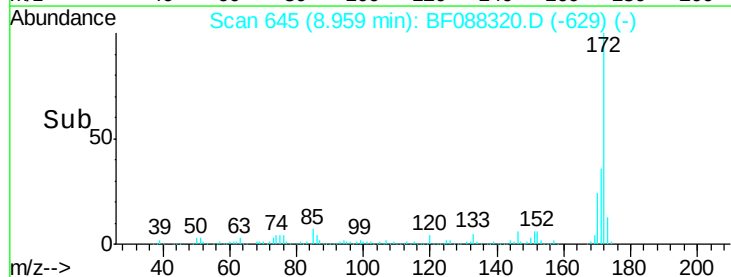
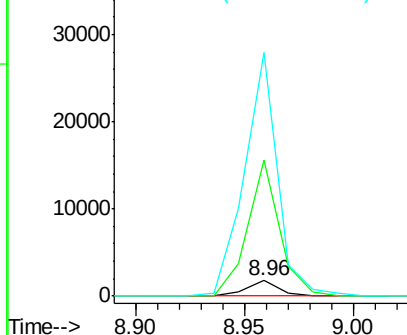


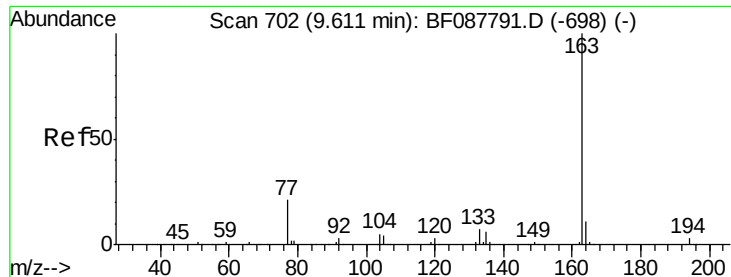
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 8.96 min Scan# 645
Delta R.T. -0.11 min
Lab File: BF088320.D
Acq: 24 Jun 2016 7:35

Tgt Ion:154 Resp: 1742
Ion Ratio Lower Upper
154 100
153 860.9 20.6 60.6#
76 1546.8 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





#49

Dimethylphthalate

Concen: 22.02 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF088320.D

Acq: 24 Jun 2016 7:35

Instrument :

BNA_F

ClientSampleId :

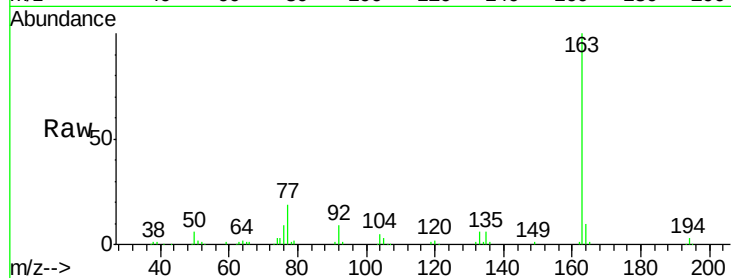
Tot Ion:163 Resp: 236647

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

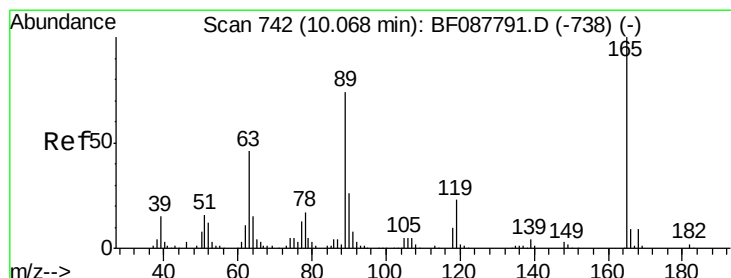
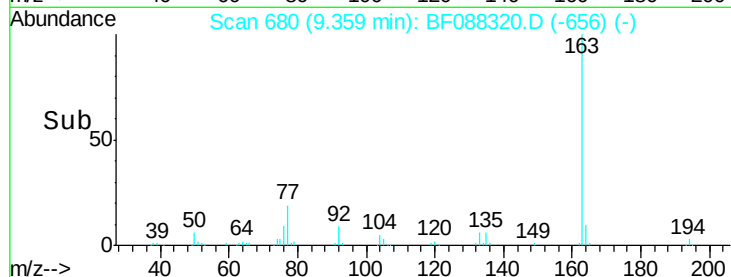
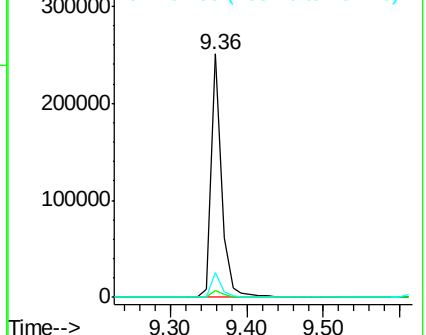
164 9.9 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.00 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.23 min

Lab File: BF088320.D

Acq: 24 Jun 2016 7:35

Tgt Ion:165 Resp: 18983

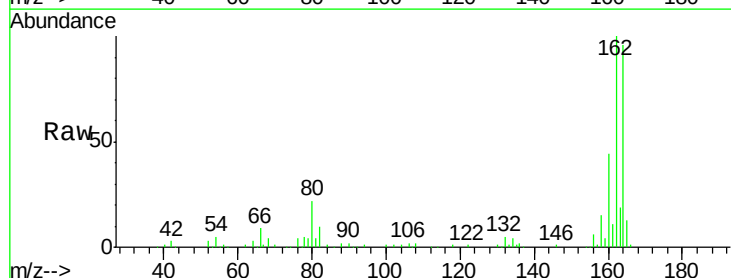
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

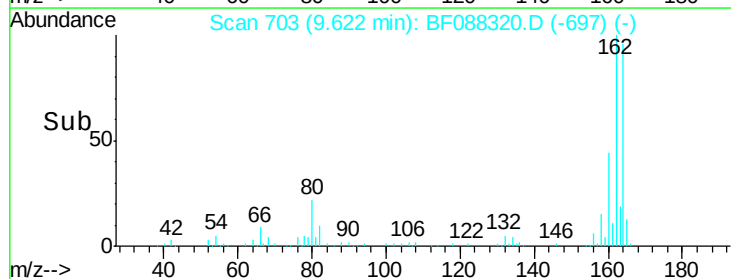
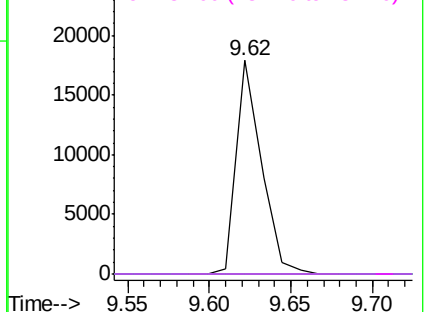


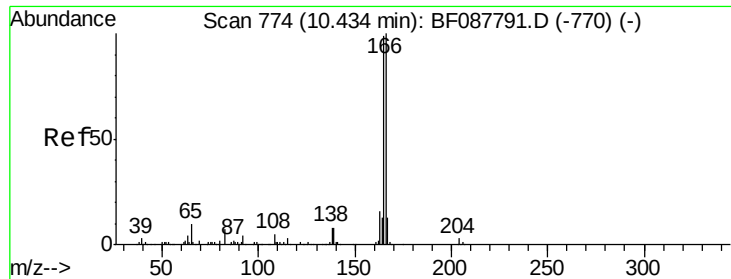
Abundance Ion 165.00 (164.70 to 165.70): E

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

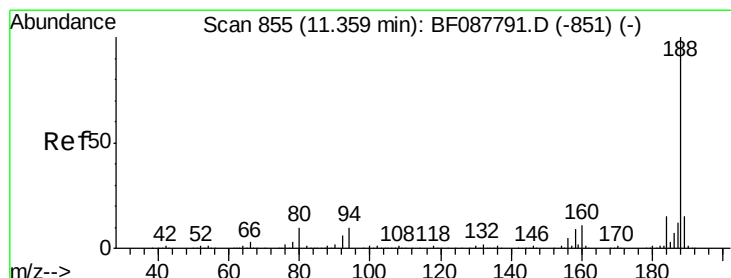
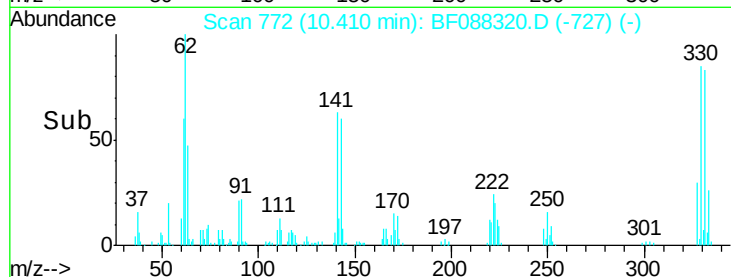
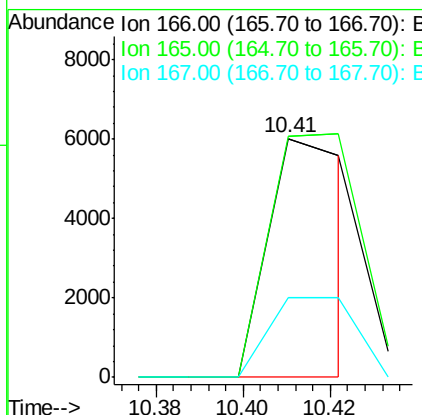
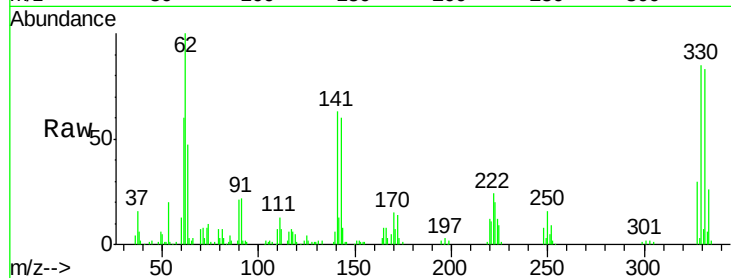




#57
 Fluorene
 Concen: Below Cal
 RT: 10.41 min Scan# 772
 Delta R.T. 0.22 min
 Lab File: BF088320.D
 Acq: 24 Jun 2016 7:35

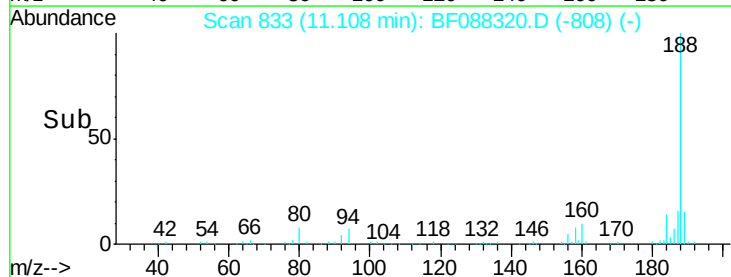
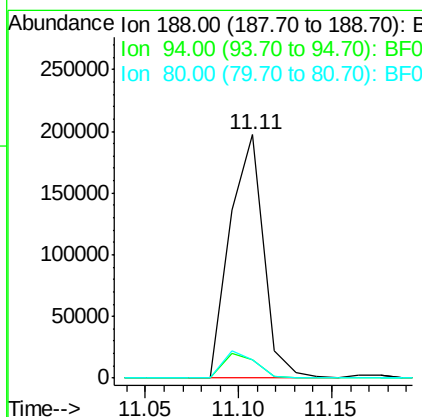
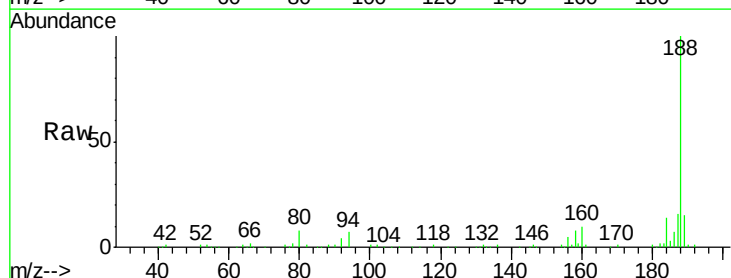
Instrument :
 BNA_F
 ClientSampleId :

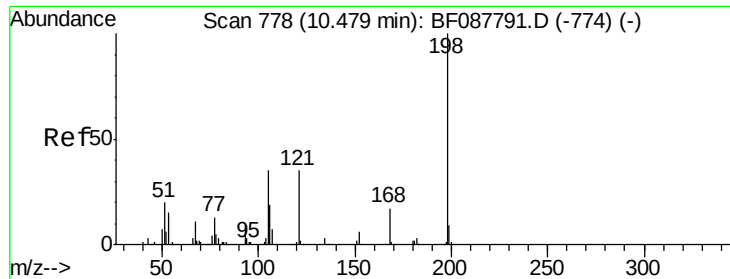
Tot Ion:166 Resp: 7959
 Ion Ratio Lower Upper
 166 100
 165 100.8 77.8 116.8
 167 33.2 11.2 16.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF088320.D
 Acq: 24 Jun 2016 7:35

Tgt Ion:188 Resp: 248467
 Ion Ratio Lower Upper
 188 100
 94 7.4 9.0 13.6#
 80 7.7 10.0 15.0#





#64

4,6-Dinitro-2-methylphenol

Concen: 2.43 ng

RT: 10.42 min Scan# 773

Delta R.T. 0.16 min

Lab File: BF088320.D

Acq: 24 Jun 2016 7:35

Instrument :

BNA_F

ClientSampled :

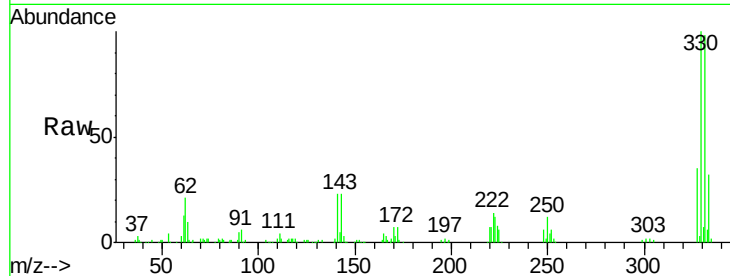
Tot Ion:198 Resp: 440

Ion Ratio Lower Upper

198 100

51 0.0 39.6 79.6#

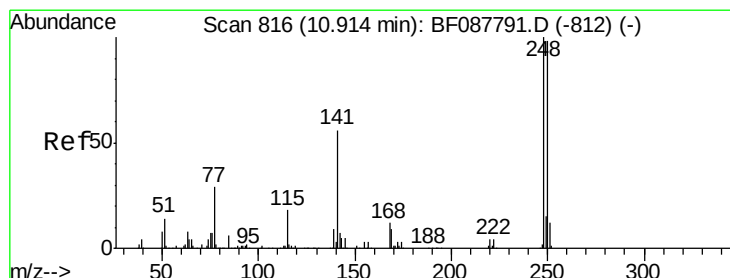
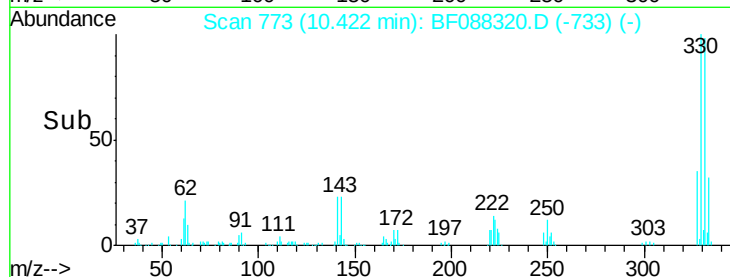
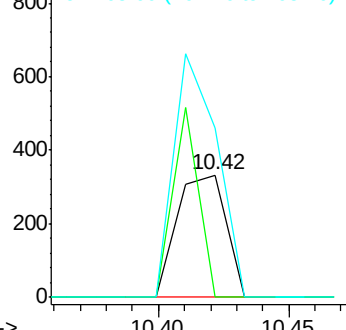
105 138.6 36.6 76.6#



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: 4.58 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.25 min

Lab File: BF088320.D

Acq: 24 Jun 2016 7:35

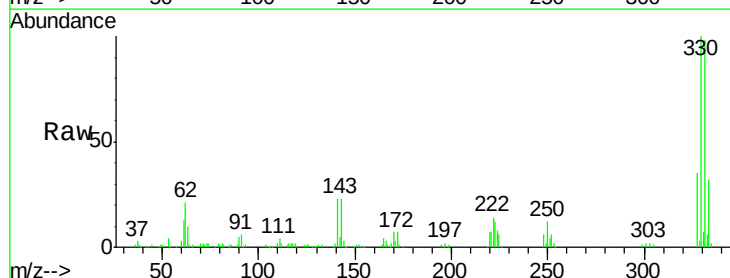
Tgt Ion:248 Resp: 12196

Ion Ratio Lower Upper

248 100

250 202.5 77.1 115.7#

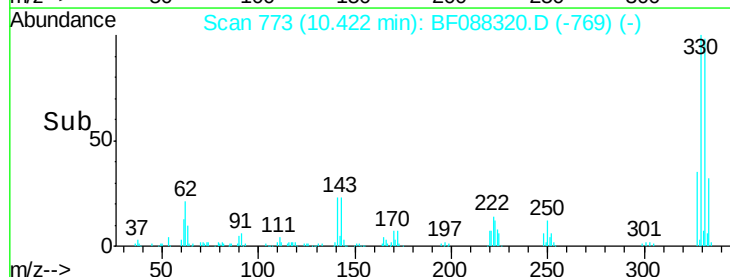
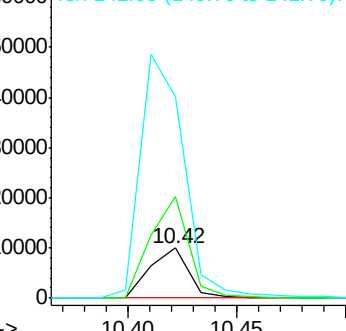
141 403.5 50.6 76.0#

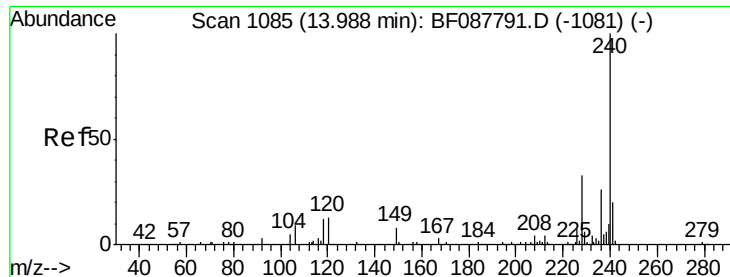


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.72 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF088320.D

Acq: 24 Jun 2016 7:35

Instrument :

BNA_F

ClientSampleId :

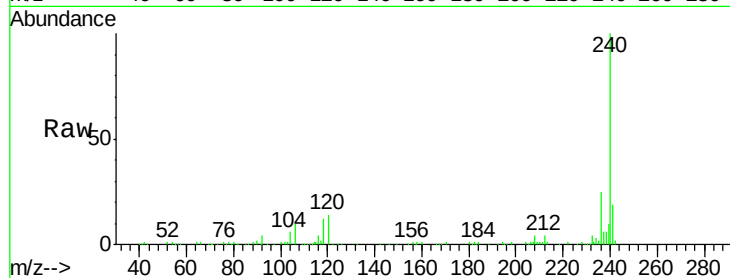
Tot Ion:240 Resp: 168353

Ion Ratio Lower Upper

240 100

120 14.5 6.8 10.2#

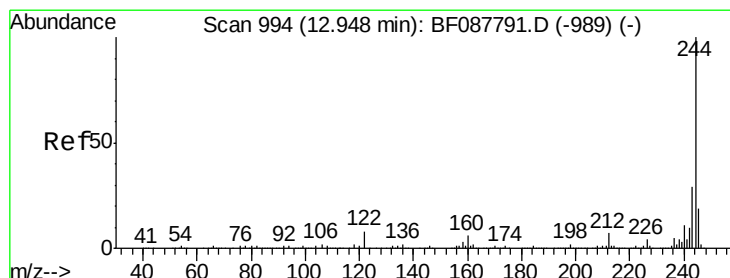
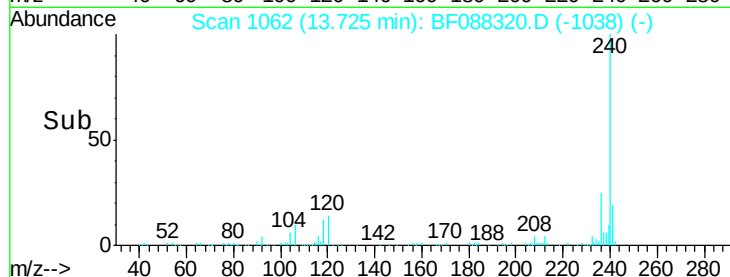
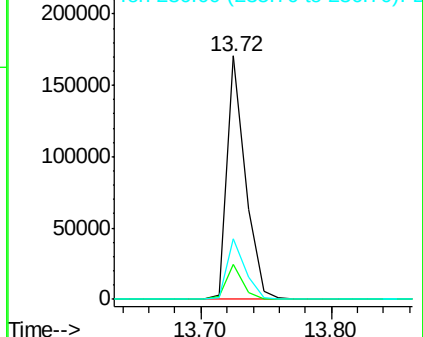
236 25.0 20.2 30.2



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: 85.02 ng

RT: 12.68 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088320.D

Acq: 24 Jun 2016 7:35

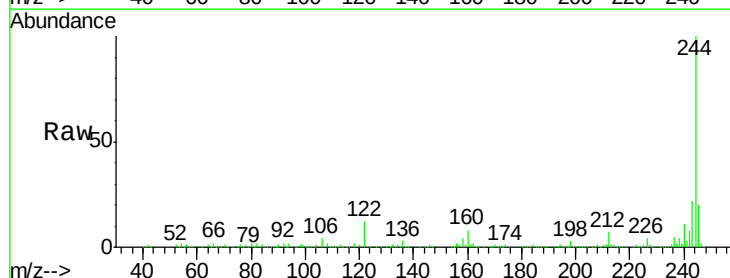
Tgt Ion:244 Resp: 629032

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

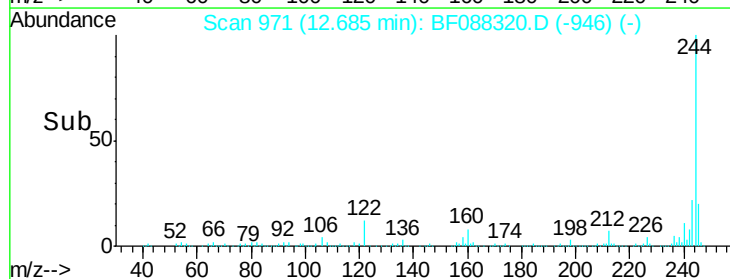
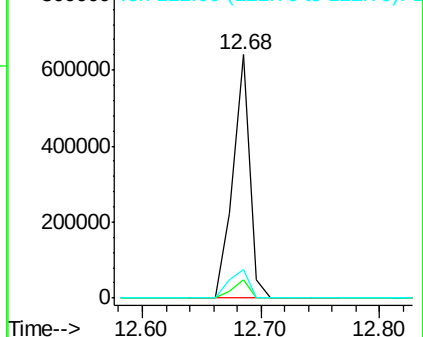
122 11.8 11.2 16.8

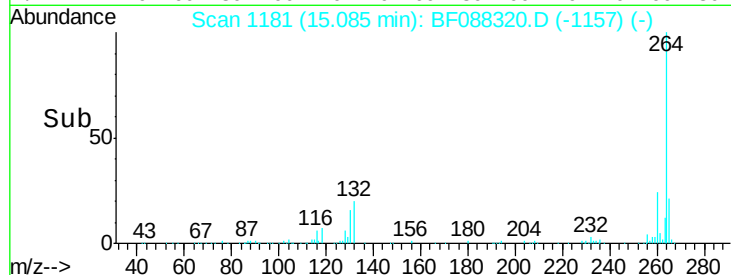
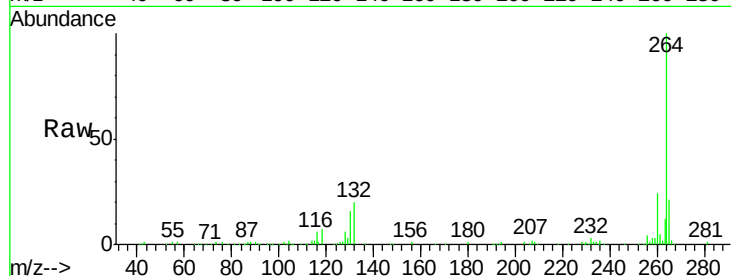
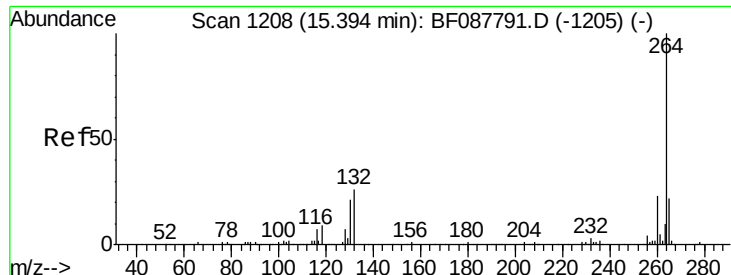


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF088320.D
 Acq: 24 Jun 2016 7:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	154806
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.5	16.9	25.3

