

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
 Data File : BF088033.D
 Acq On : 15 Jun 2016 8:12
 Operator : UM/SJ
 Sample : H3473-19
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-1172-(0-4)

Quant Time: Jun 15 12:53:43 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 14:10:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	101491	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	408789	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	169784	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	283373	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	238549	20.00	ng	-0.02
86) Perylene-d12	15.35	264	191188	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	771518	129.96	ng	0.01
7) Phenol-d6	6.42	99	851646	118.37	ng	-0.01
23) Nitrobenzene-d5	7.35	82	526624	75.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	205242	114.49	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	1091230	102.08	ng	-0.01
78) Terphenyl-d14	12.89	244	749165	71.46	ng	-0.01

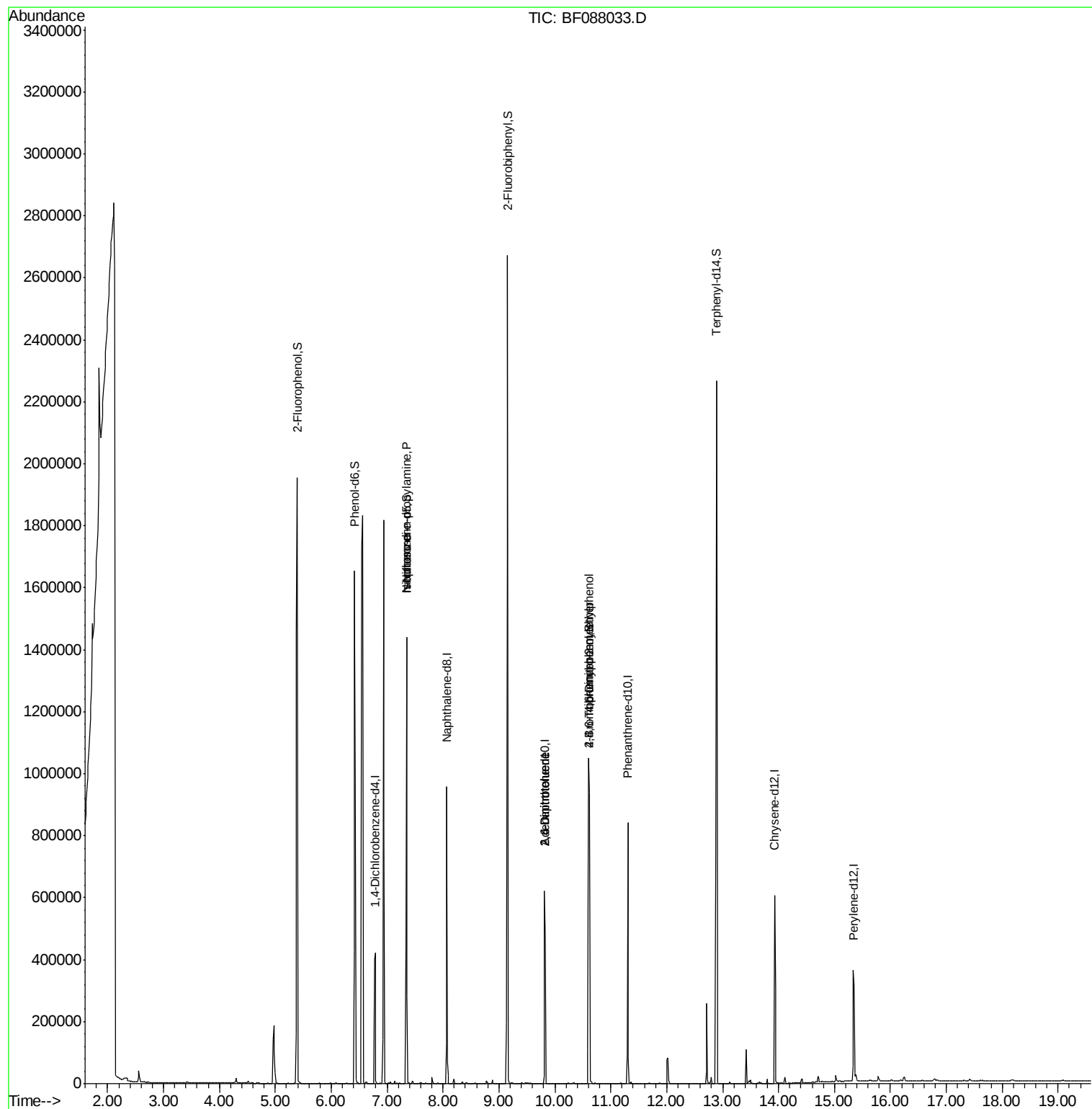
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.56	94	1540	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.35	70	66902	14.54	ng	73
25) Isophorone	7.35	82	416187	32.10	ng	65
45) 1,1'-Biphenyl	9.24	154	724	Below Cal	#	88
50) 2,6-Dinitrotoluene	9.82	165	21723	7.71	ng	37
56) 2,4-Dinitrotoluene	9.82	165	21719	6.00	ng	36
57) Fluorene	10.36	166	520	Below Cal	#	89
64) 4,6-Dinitro-2-methylphenol	10.60	198	226	2.28	ng	1
66) 4-Bromophenyl-phenylether	10.62	248	13216	4.35	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: 6.79 min Scan# 455

Delta R.T. -0.00 min

Lab File: BF088033.D

Acq: 15 Jun 2016 8:12

Instrument :

BNA_F

ClientSampleId :

STA-1172-(0-4)

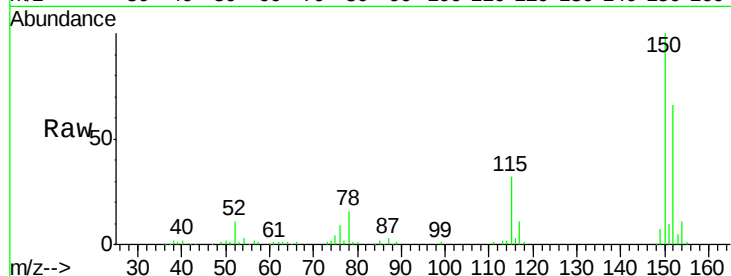
Tgt Ion:152 Resp: 101491

Ion Ratio Lower Upper

152 100

150 151.1 123.8 185.6

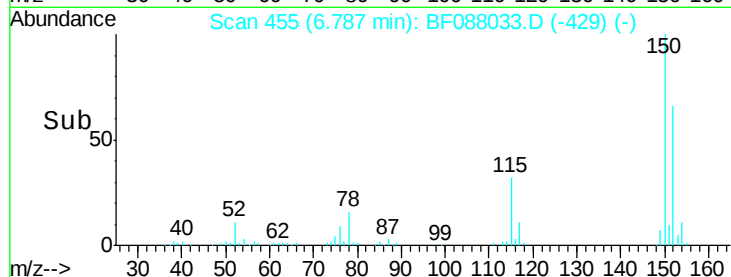
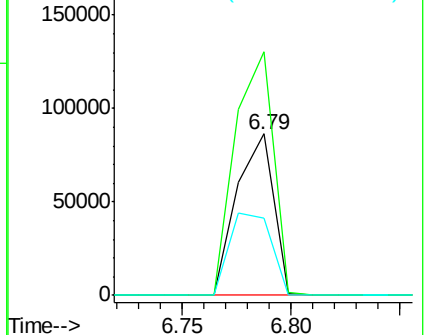
115 48.0 39.6 59.4



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: 129.96 ng

RT: 5.39 min Scan# 333

Delta R.T. 0.01 min

Lab File: BF088033.D

Acq: 15 Jun 2016 8:12

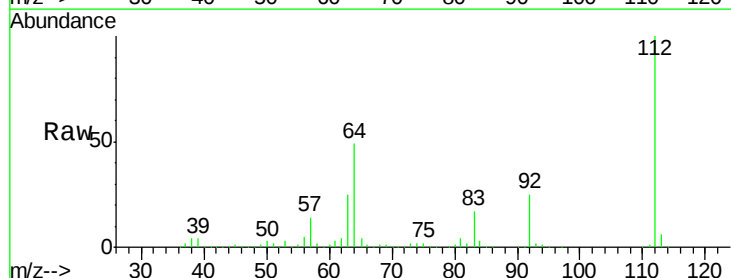
Tgt Ion:112 Resp: 771518

Ion Ratio Lower Upper

112 100

64 49.2 42.2 63.2

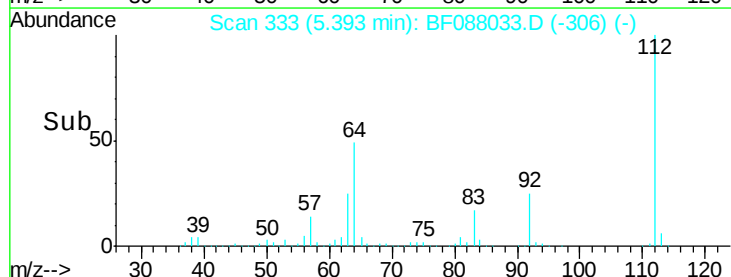
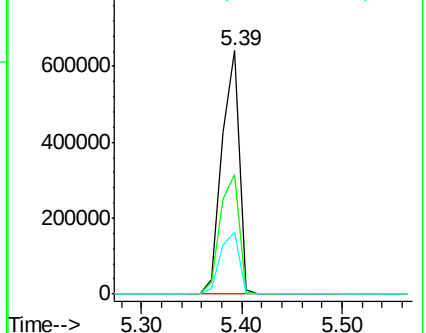
63 25.3 21.8 32.8

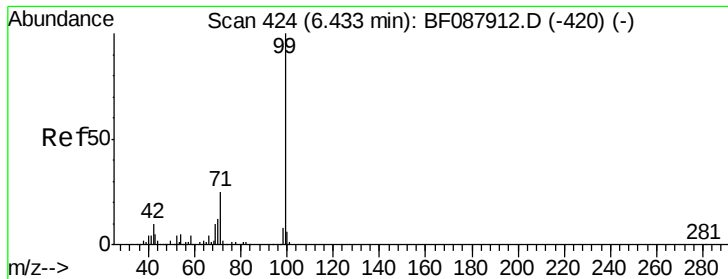


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.37 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF088033.D

Acq: 15 Jun 2016 8:12

Instrument :

BNA_F

ClientSampleId :

STA-1172-(0-4)

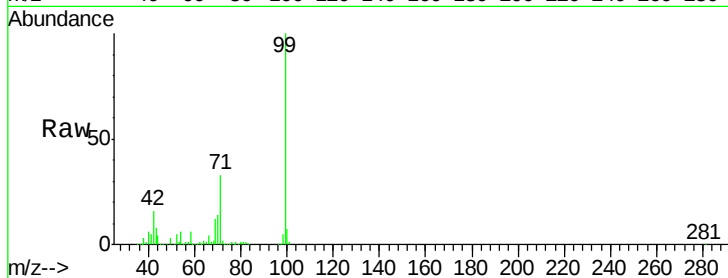
Tgt Ion: 99 Resp: 851646

Ion Ratio Lower Upper

99 100

42 16.0 12.2 18.2

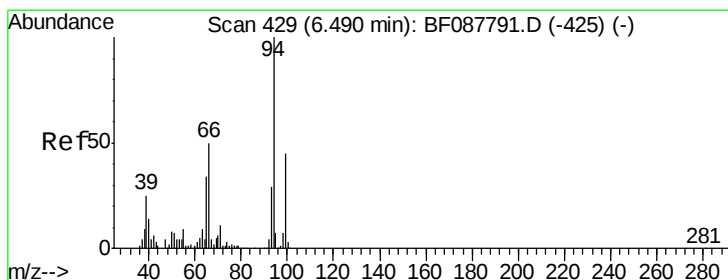
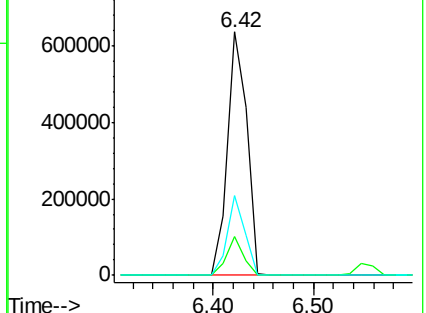
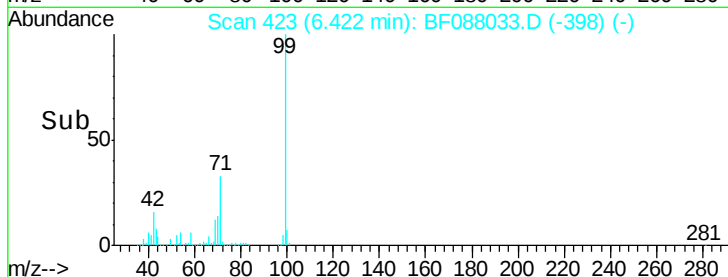
71 32.6 23.4 35.0



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: 6.56 min Scan# 435

Delta R.T. 0.11 min

Lab File: BF088033.D

Acq: 15 Jun 2016 8:12

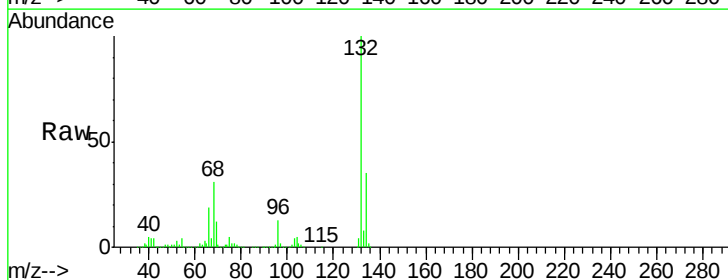
Tgt Ion: 94 Resp: 1540

Ion Ratio Lower Upper

94 100

65 932.7 5.9 45.9#

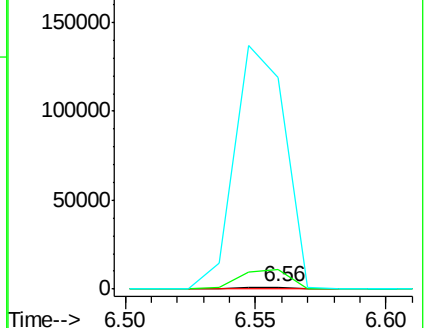
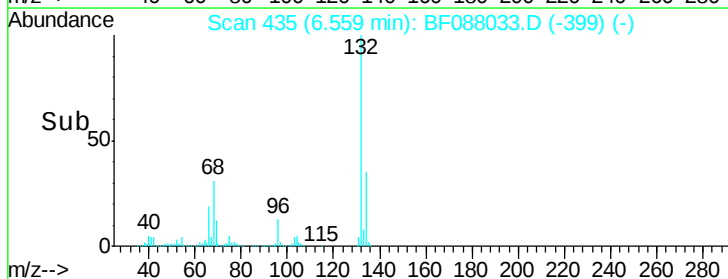
66 10280.0 14.0 54.0#



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

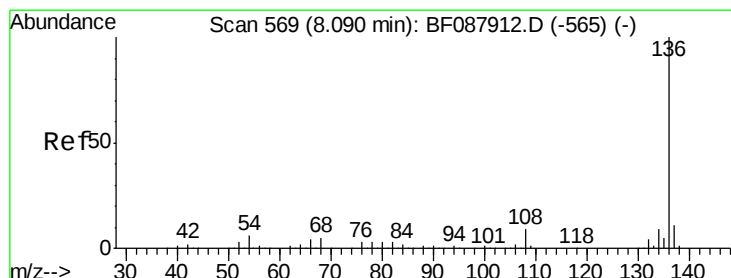
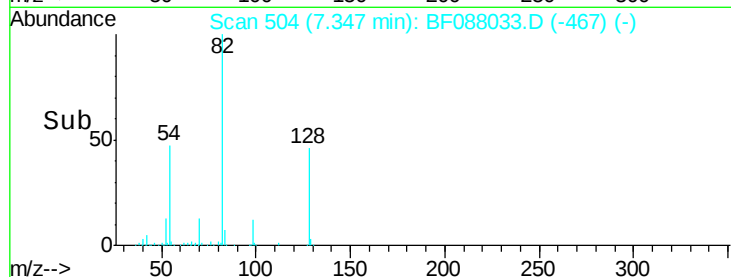
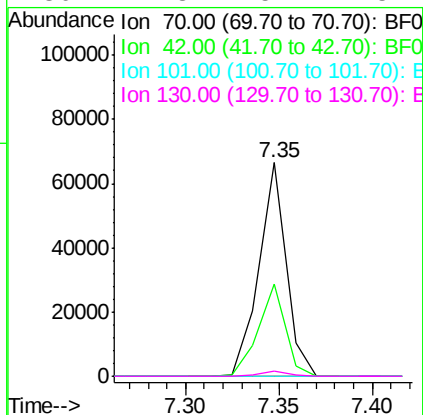
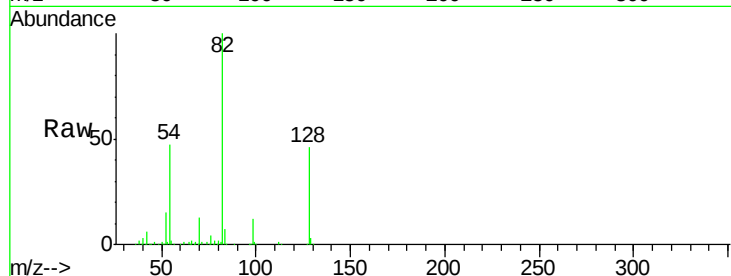




#19
n-Nitroso-di-n-propylamine
Concen: 14.54 ng
RT: 7.35 min Scan# 504
Delta R.T. 0.13 min
Lab File: BF088033.D
Acq: 15 Jun 2016 8:12

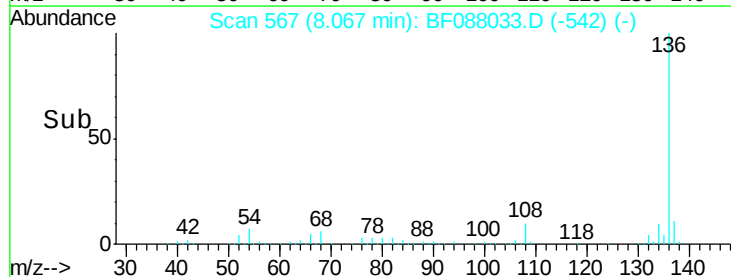
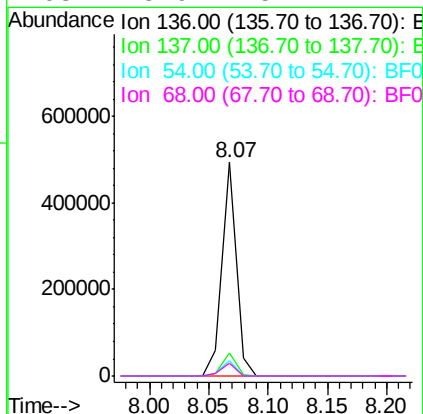
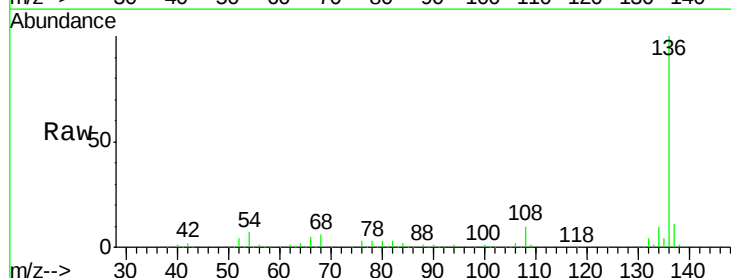
Instrument :
BNA_F
ClientSampleId :
STA-1172-(0-4)

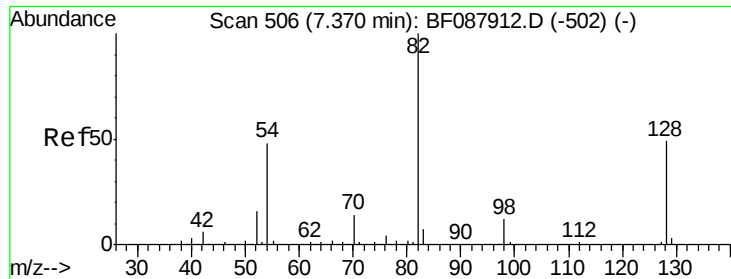
Tgt Ion:	70	Resp:	66902
Ion	Ratio	Lower	Upper
70	100		
42	43.2	49.6	74.4#
101	0.0	7.1	10.7#
130	2.3	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF088033.D
Acq: 15 Jun 2016 8:12

Tgt Ion:	136	Resp:	408789
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.1	6.6	10.0
68	5.9	5.1	7.7

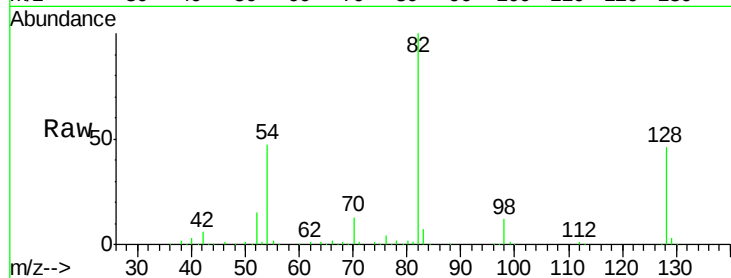




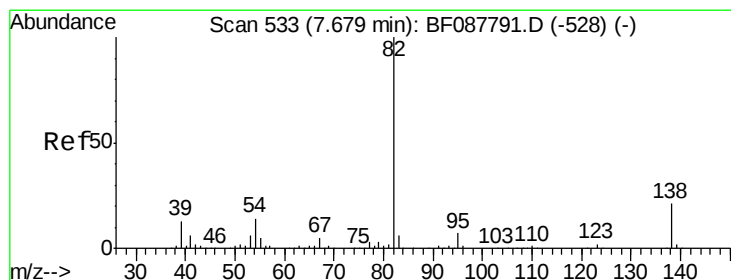
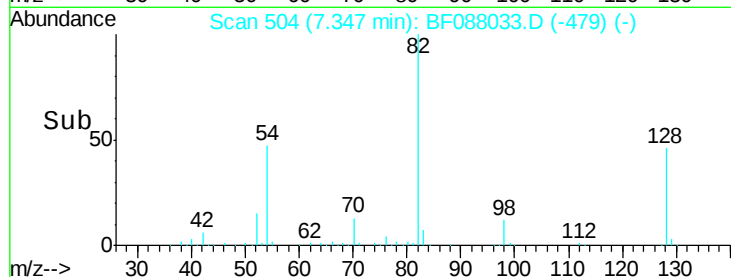
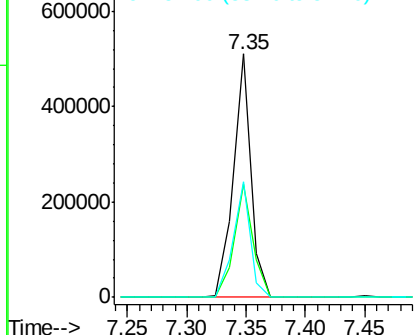
#23
Nitrobenzene-d5
Concen: 75.23 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.01 min
Lab File: BF088033.D
Acq: 15 Jun 2016 8:12

Instrument :
BNA_F
ClientSampleId :
STA-1172-(0-4)

Tgt Ion: 82 Resp: 526624
Ion Ratio Lower Upper
82 100
128 46.2 35.9 53.9
54 47.3 40.9 61.3

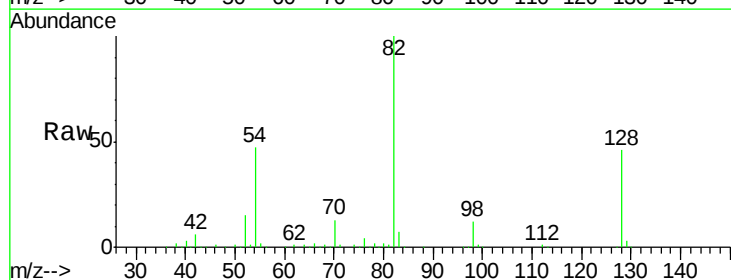


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

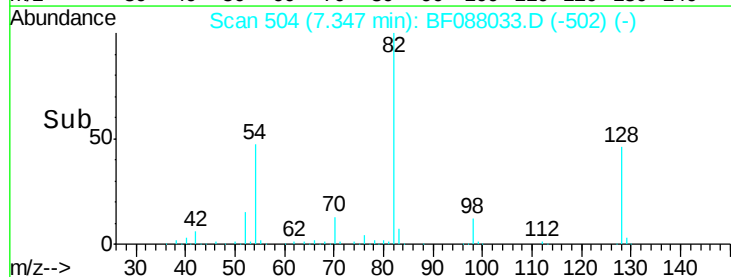
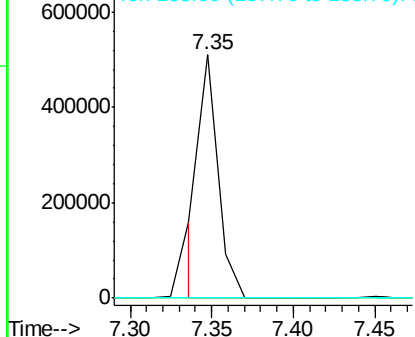


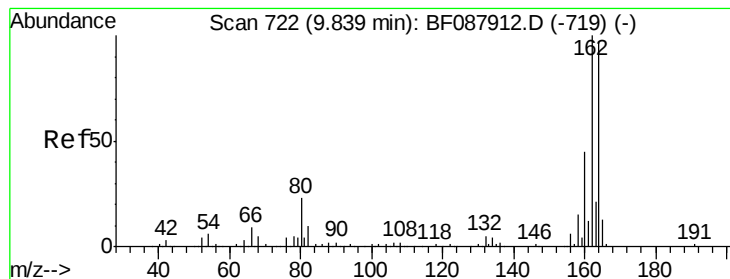
#25
Isophorone
Concen: 32.10 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.27 min
Lab File: BF088033.D
Acq: 15 Jun 2016 8:12

Tgt Ion: 82 Resp: 416187
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: 9.82 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF088033.D

Acq: 15 Jun 2016 8:12

Instrument :

BNA_F

ClientSampleId :

STA-1172-(0-4)

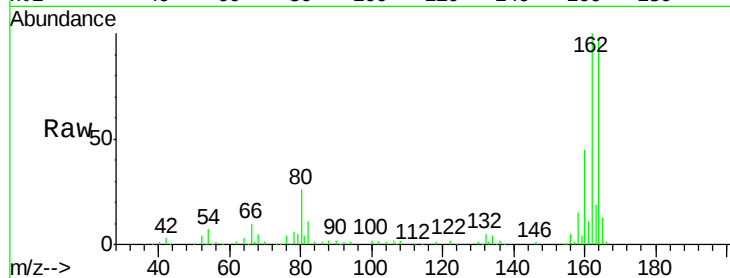
Tgt Ion:164 Resp: 169784

Ion Ratio Lower Upper

164 100

162 103.4 85.4 128.2

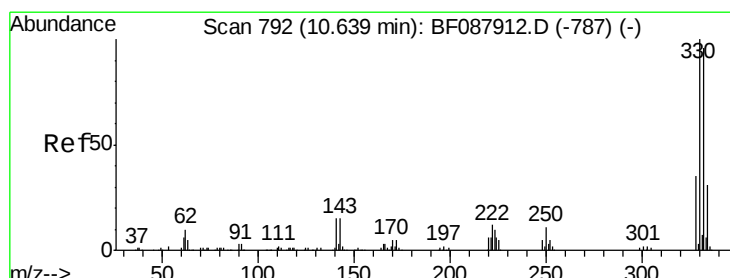
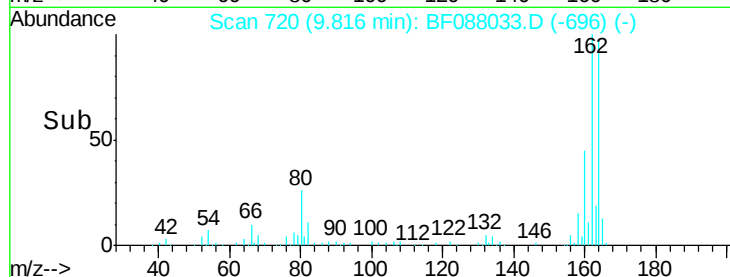
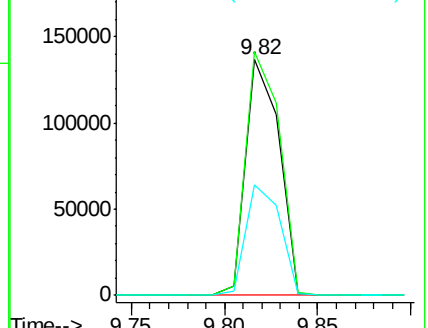
160 47.0 39.5 59.3



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: 114.49 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.01 min

Lab File: BF088033.D

Acq: 15 Jun 2016 8:12

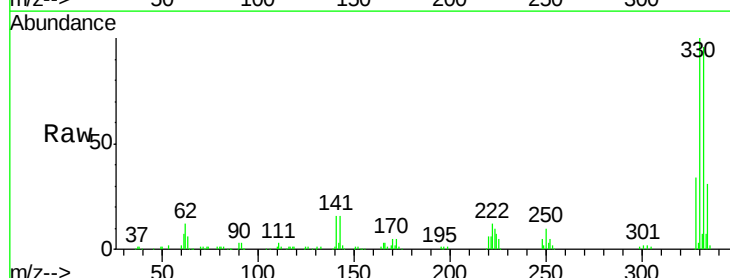
Tgt Ion:330 Resp: 205242

Ion Ratio Lower Upper

330 100

332 96.3 0.0 0.0#

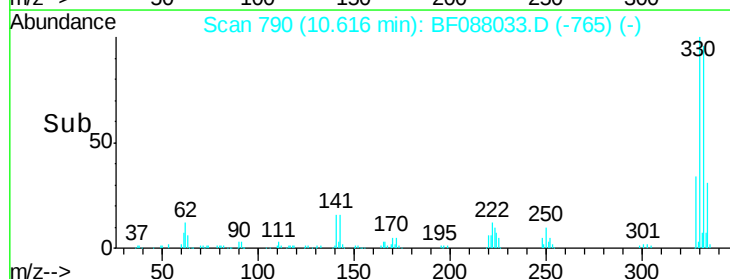
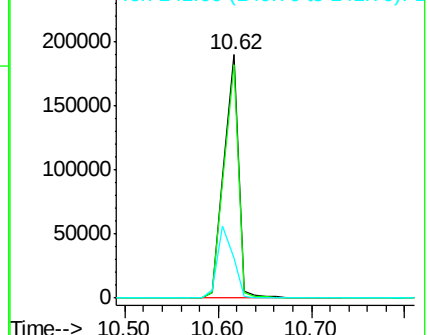
141 32.3 0.0 0.0#

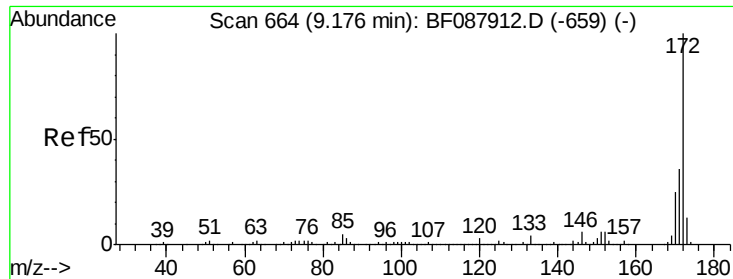


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

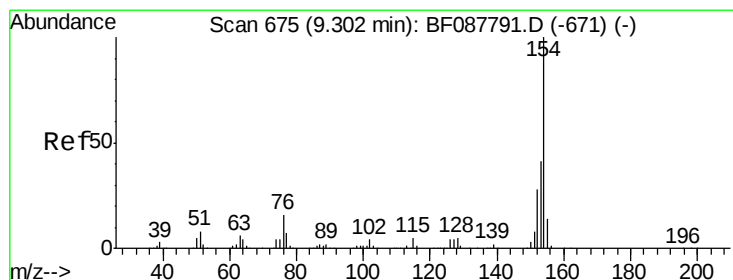
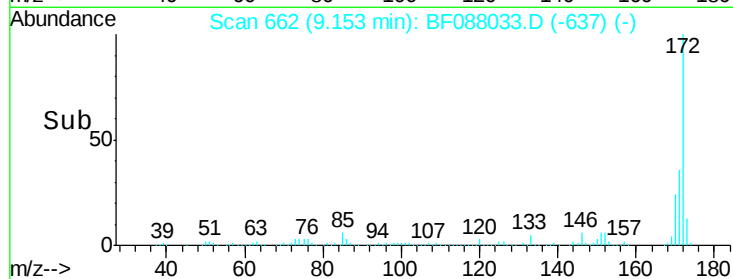
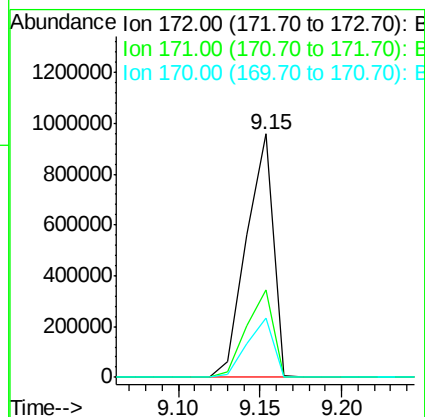
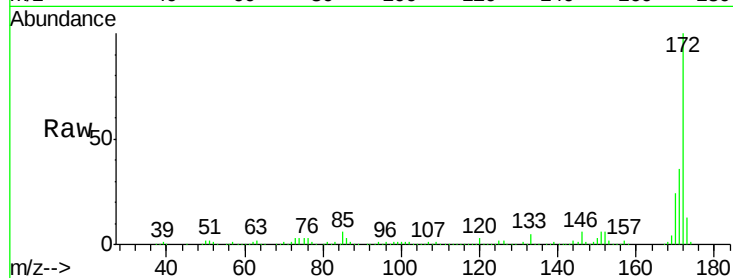




#44
 2-Fluorobiphenyl
 Concen: 102.08 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF088033.D
 Acq: 15 Jun 2016 8:12

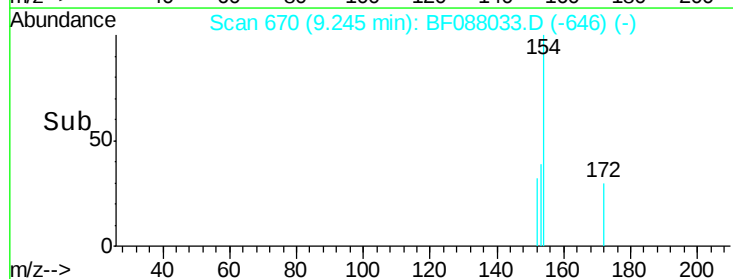
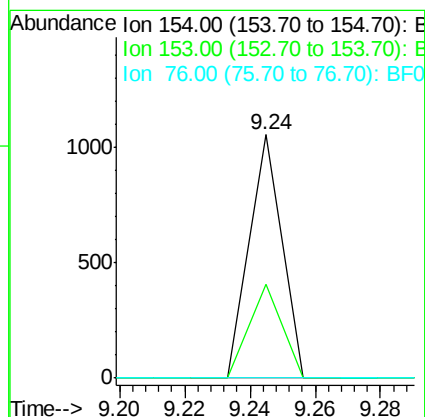
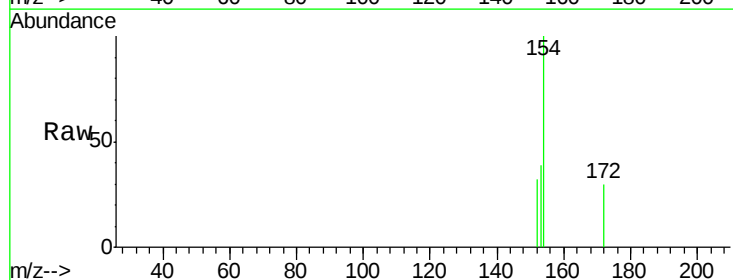
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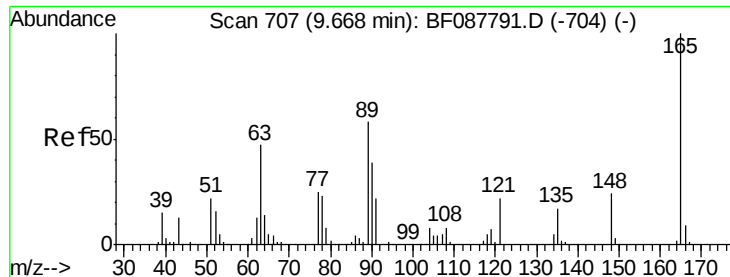
Tgt Ion:172 Resp: 1091230
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 24.4 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.24 min Scan# 670
 Delta R.T. -0.02 min
 Lab File: BF088033.D
 Acq: 15 Jun 2016 8:12

Tgt Ion:154 Resp: 724
 Ion Ratio Lower Upper
 154 100
 153 38.7 20.6 60.6
 76 0.0 0.0 35.1

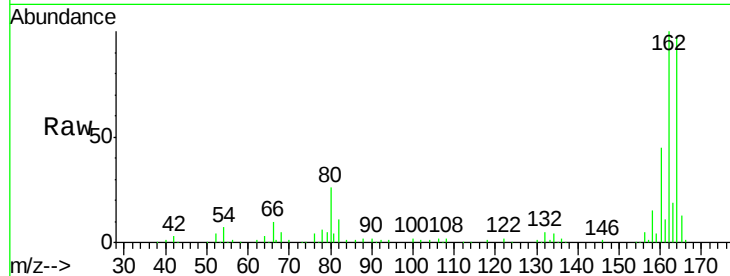




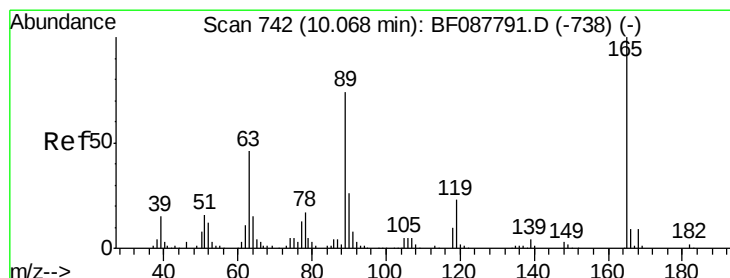
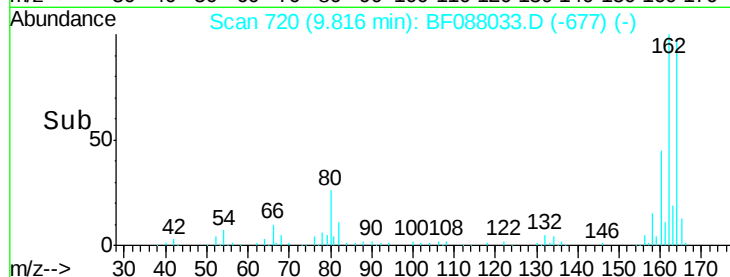
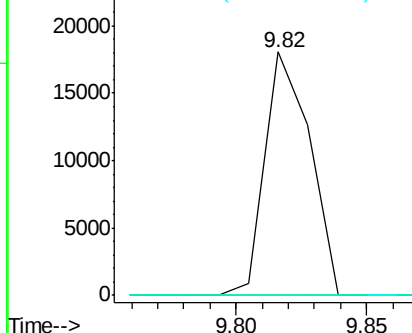
#50
 2,6-Dinitrotoluene
 Concen: 7.71 ng
 RT: 9.82 min Scan# 720
 Delta R.T. 0.19 min
 Lab File: BF088033.D
 Acq: 15 Jun 2016 8:12

Instrument :
 BNA_F
 ClientSampleId :
 STA-1172-(0-4)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#

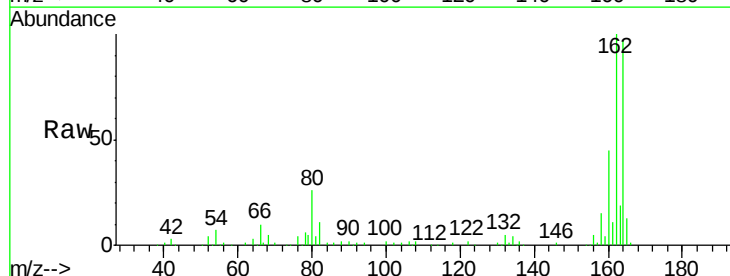


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

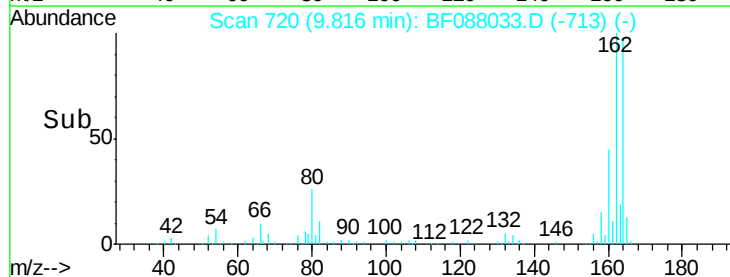
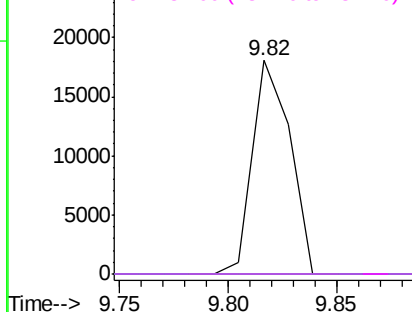


#56
 2,4-Dinitrotoluene
 Concen: 6.00 ng
 RT: 9.82 min Scan# 720
 Delta R.T. -0.22 min
 Lab File: BF088033.D
 Acq: 15 Jun 2016 8:12

Tgt 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

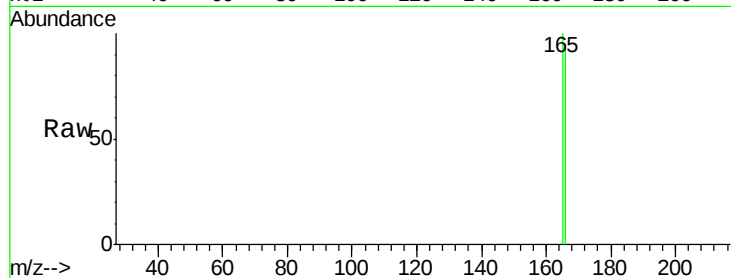




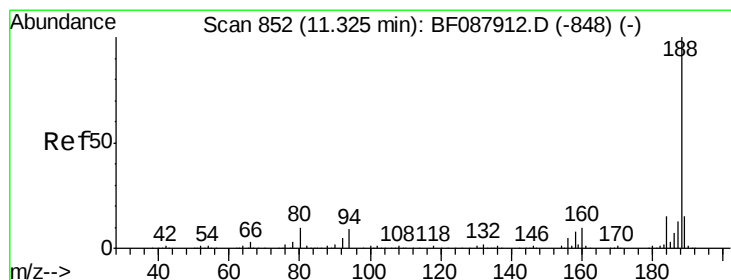
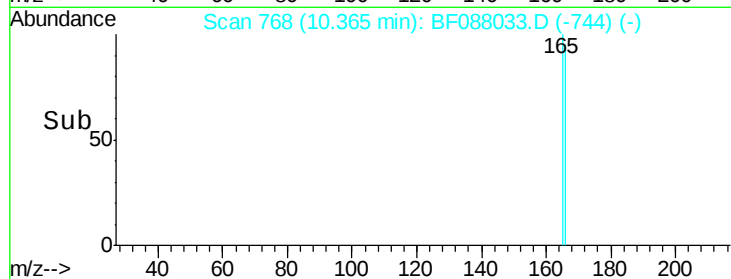
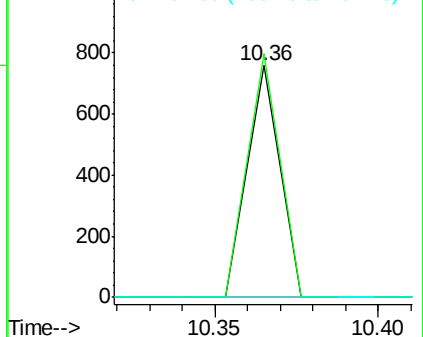
#57
 Fluorene
 Concen: Below Cal
 RT: 10.36 min Scan# 768
 Delta R.T. -0.02 min
 Lab File: BF088033.D
 Acq: 15 Jun 2016 8:12

Instrument :
 BNA_F
 ClientSampleId :
 STA-1172-(0-4)

Tgt Ion:166 Resp: 520
 Ion Ratio Lower Upper
 166 100
 165 105.0 77.8 116.8
 167 0.0 11.2 16.8#

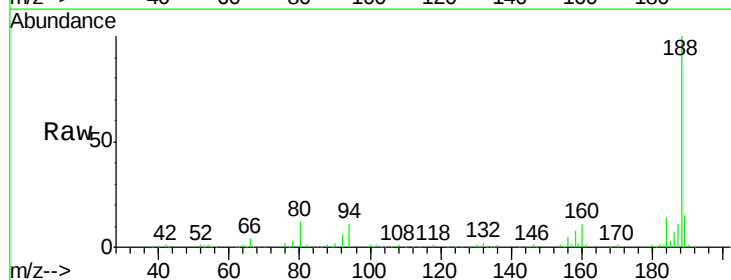


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

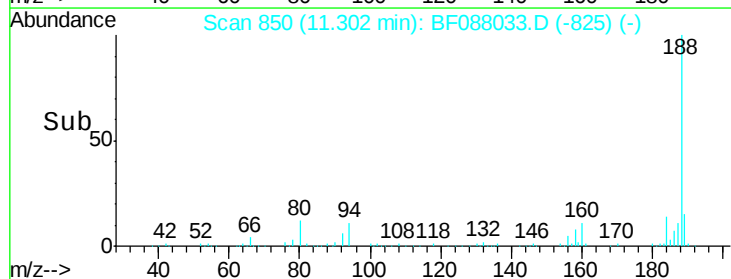
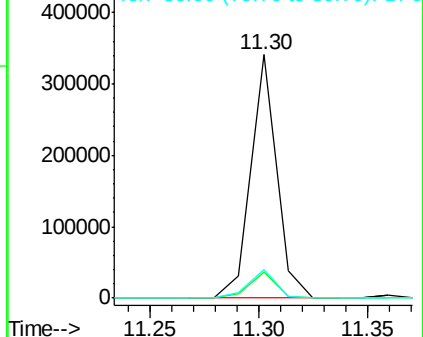


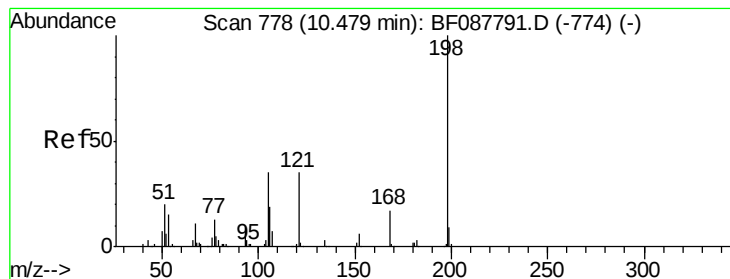
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 850
 Delta R.T. -0.01 min
 Lab File: BF088033.D
 Acq: 15 Jun 2016 8:12

Tgt Ion:188 Resp: 283373
 Ion Ratio Lower Upper
 188 100
 94 10.9 9.0 13.6
 80 11.6 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: 2.28 ng

RT: 10.60 min Scan# 789

Delta R.T. 0.17 min

Lab File: BF088033.D

Acq: 15 Jun 2016 8:12

Instrument :

BNA_F

ClientSampleId :

STA-1172-(0-4)

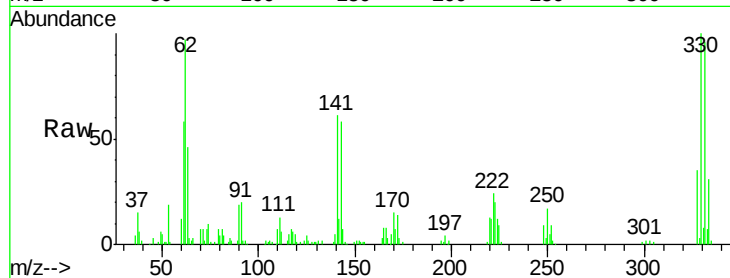
Tgt Ion:198 Resp: 226

Ion Ratio Lower Upper

198 100

51 223.3 39.6 79.6#

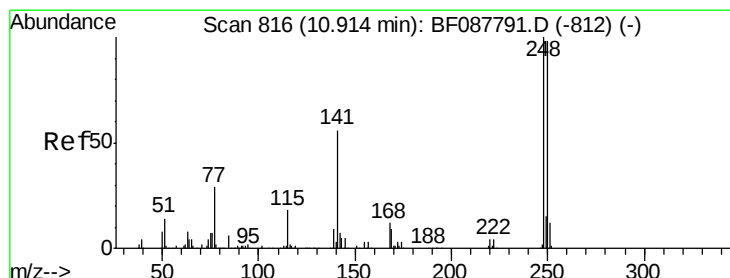
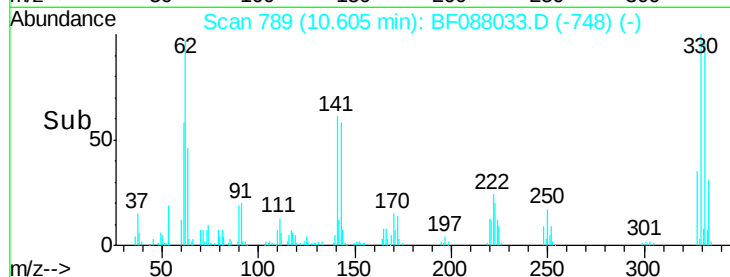
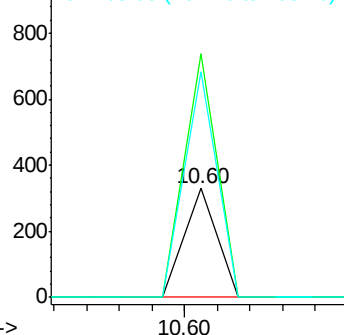
105 207.3 36.6 76.6#



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: 4.35 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.25 min

Lab File: BF088033.D

Acq: 15 Jun 2016 8:12

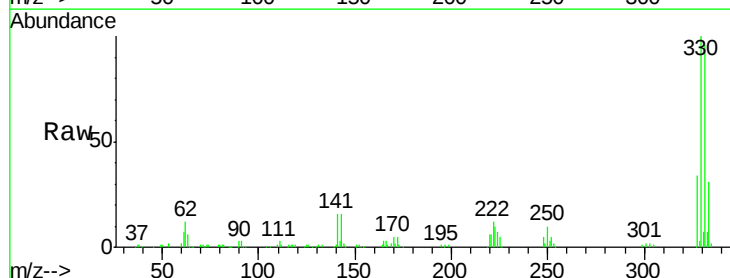
Tgt Ion:248 Resp: 13216

Ion Ratio Lower Upper

248 100

250 190.6 77.1 115.7#

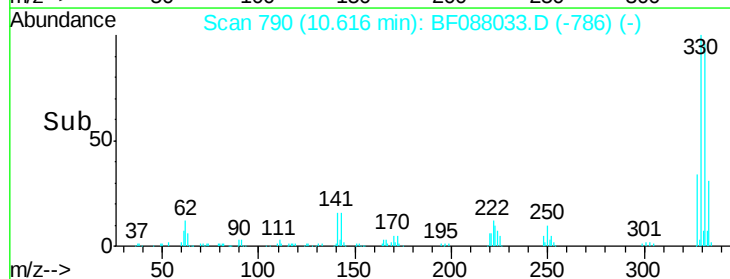
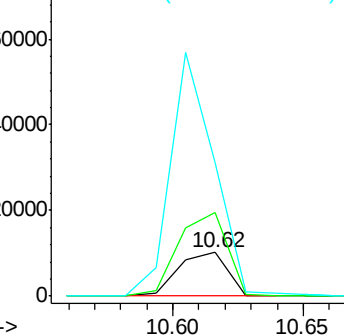
141 304.3 50.6 76.0#

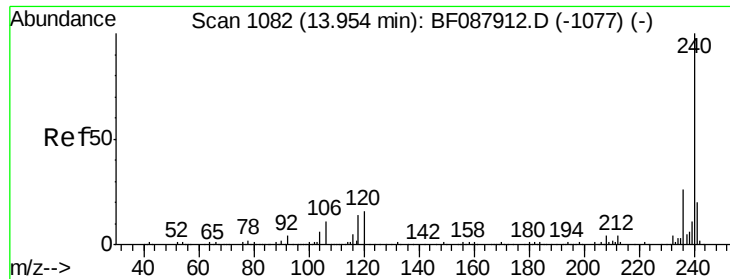


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.93 min Scan# 1080

Delta R.T. -0.02 min

Lab File: BF088033.D

Acq: 15 Jun 2016 8:12

Instrument :

BNA_F

ClientSampleId :

STA-1172-(0-4)

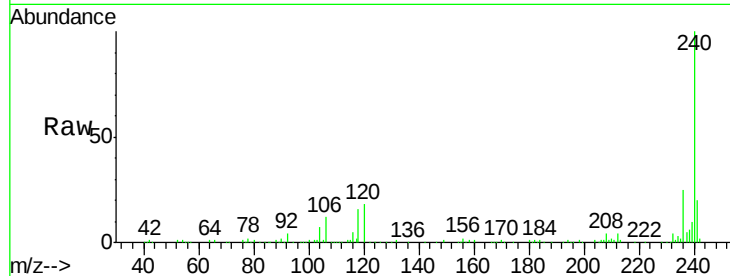
Tgt Ion:240 Resp: 238549

Ion Ratio Lower Upper

240 100

120 17.7 6.8 10.2#

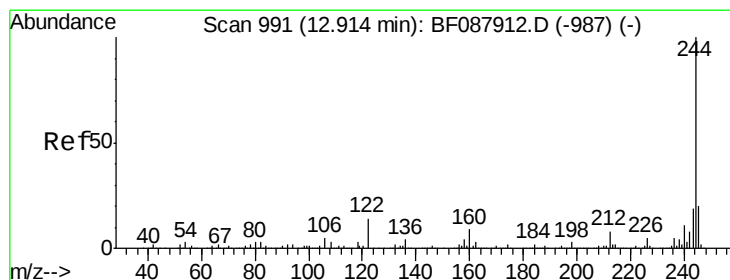
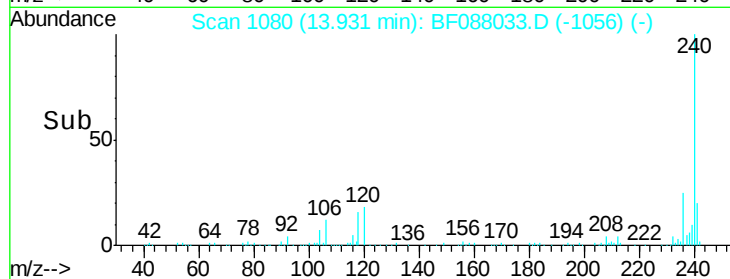
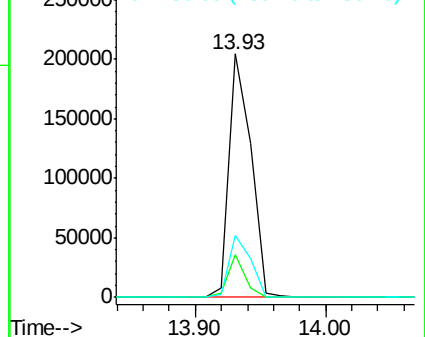
236 25.4 20.2 30.2



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: 71.46 ng

RT: 12.89 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF088033.D

Acq: 15 Jun 2016 8:12

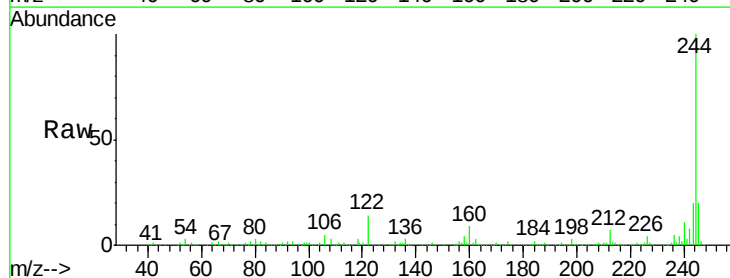
Tgt Ion:244 Resp: 749165

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

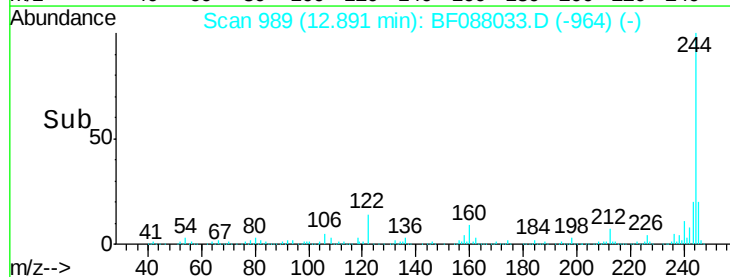
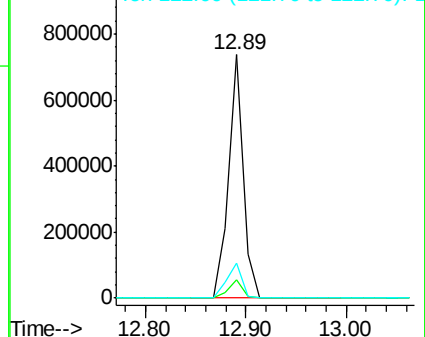
122 14.1 11.2 16.8

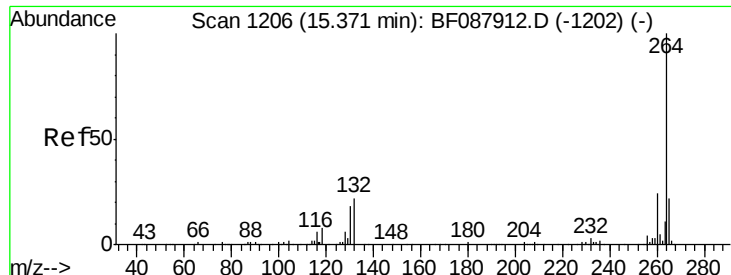


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

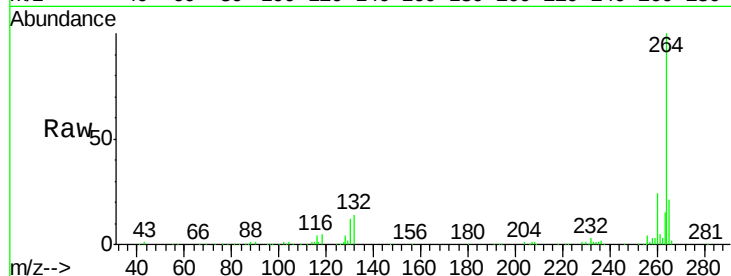




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF088033.D
Acq: 15 Jun 2016 8:12

Instrument :
BNA_F
ClientSampleId :
STA-1172-(0-4)

Tgt Ion: 264 Resp: 191188
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.0 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

