

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061616\
 Data File : BF088076.D
 Acq On : 16 Jun 2016 15:25
 Operator : UM/SJ
 Sample : PB91213TB
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91213TB

Quant Time: Jun 16 16:48:44 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 16 14:54:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	99368	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	385731	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	180981	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	354965	20.00	ng	0.00
75) Chrysene-d12	13.86	240	313746	20.00	ng	0.00
86) Perylene-d12	15.25	264	256999	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	612243	105.33	ng	0.01
7) Phenol-d6	6.36	99	848218	120.41	ng	0.00
23) Nitrobenzene-d5	7.28	82	495984	75.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	177173	92.71	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	946490	81.96	ng	0.00
78) Terphenyl-d14	12.82	244	884666	64.16	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.38	94	227	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.28	70	61908	13.74	ng	73
25) Isophorone	7.28	82	457531	37.39	ng	65
45) 1,1'-Biphenyl	9.19	154	588	Below Cal	#	43
50) 2,6-Dinitrotoluene	9.75	165	22968	7.65	ng	38
56) 2,4-Dinitrotoluene	9.75	165	22968	5.95	ng	36
57) Fluorene	10.30	166	357	Below Cal	#	92
64) 4,6-Dinitro-2-methylphenol	10.54	198	320	2.30	ng	1
66) 4-Bromophenyl-phenylether	10.54	248	11104	2.92	ng	1

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

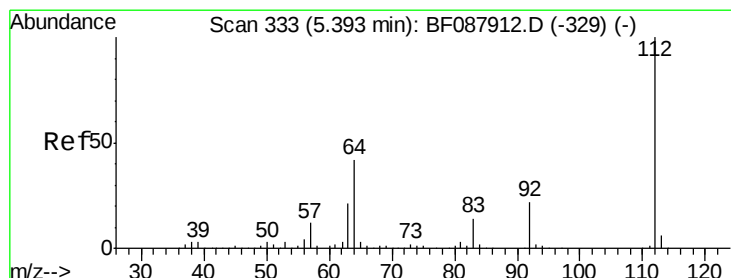
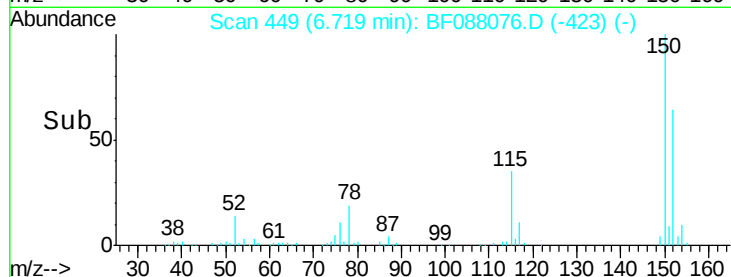
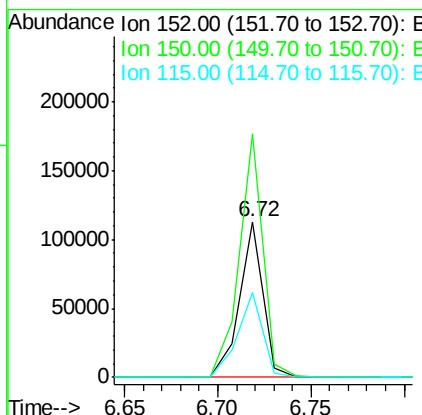
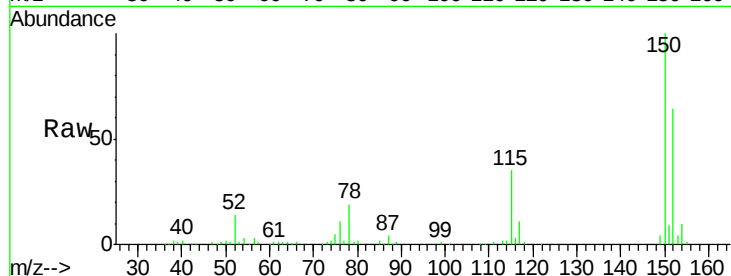


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 449
Delta R.T. 0.00 min
Lab File: BF088076.D
Acq: 16 Jun 2016 15:25

Instrument :
BNA_F
ClientSampleId :
PB91213TB

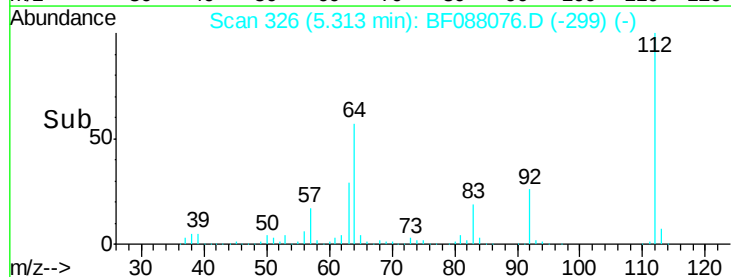
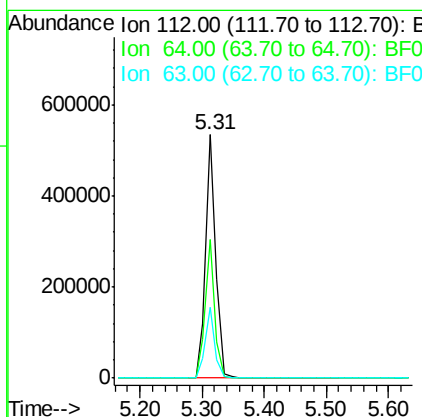
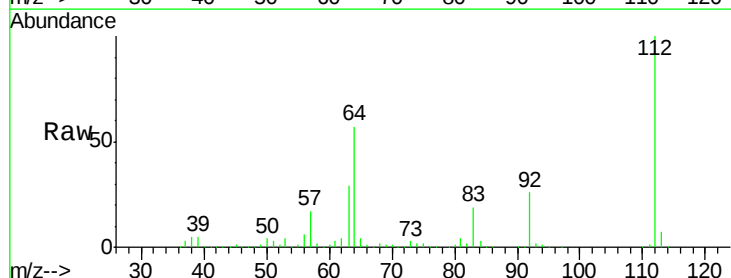
Tgt Ion:152 Resp: 99368
Ion Ratio Lower Upper
152 100
150 156.3 123.8 185.6
115 54.3 39.6 59.4

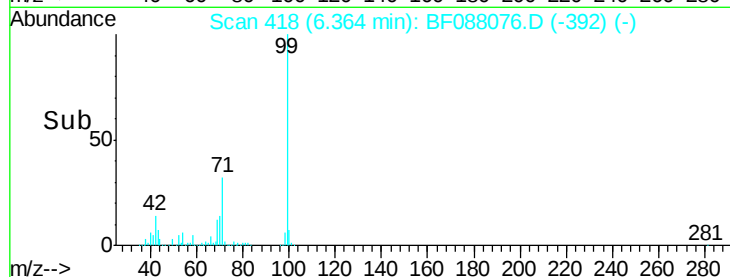
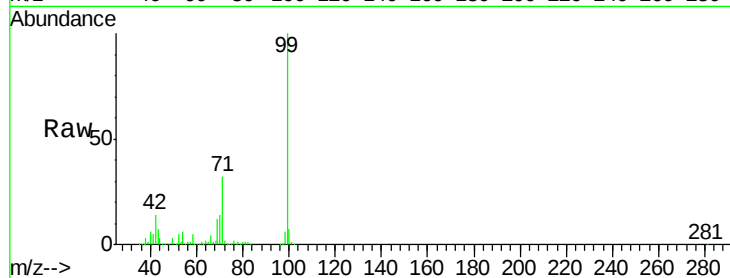
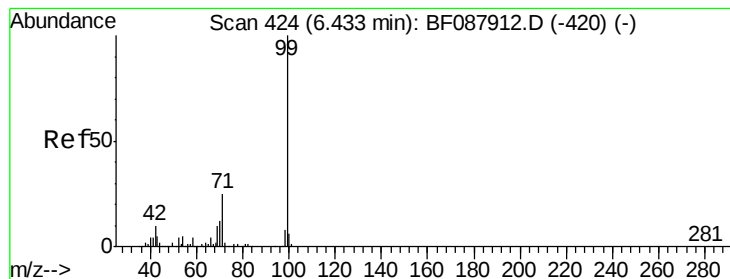


#5

2-Fluorophenol
Concen: 105.33 ng
RT: 5.31 min Scan# 326
Delta R.T. 0.01 min
Lab File: BF088076.D
Acq: 16 Jun 2016 15:25

Tgt Ion:112 Resp: 612243
Ion Ratio Lower Upper
112 100
64 57.1 42.2 63.2
63 29.1 21.8 32.8





#7

Phenol-d6

Concen: 120.41 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF088076.D

Acq: 16 Jun 2016 15:25

Instrument :

BNA_F

ClientSampleId :

PB91213TB

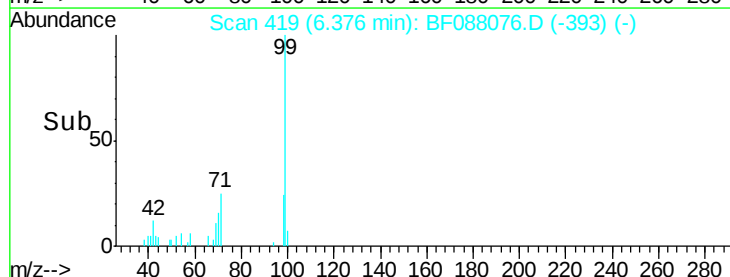
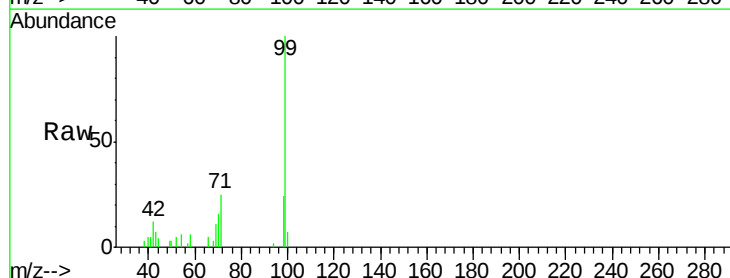
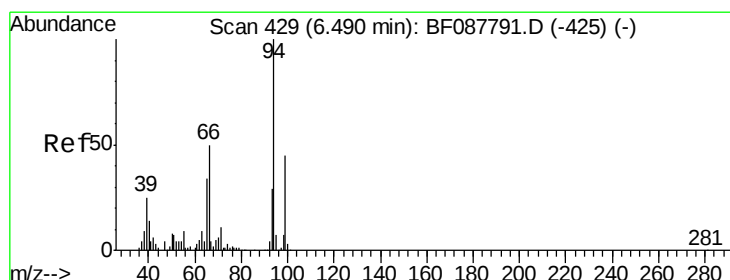
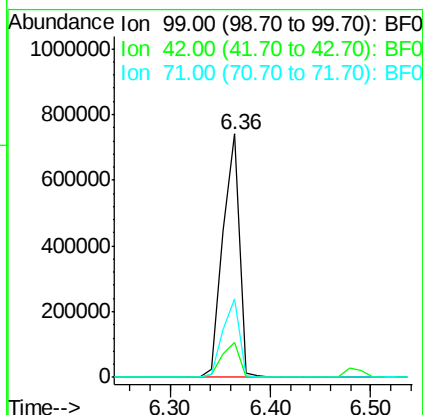
Tgt Ion: 99 Resp: 848218

Ion Ratio Lower Upper

99 100

42 14.2 12.2 18.2

71 32.2 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.38 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF088076.D

Acq: 16 Jun 2016 15:25

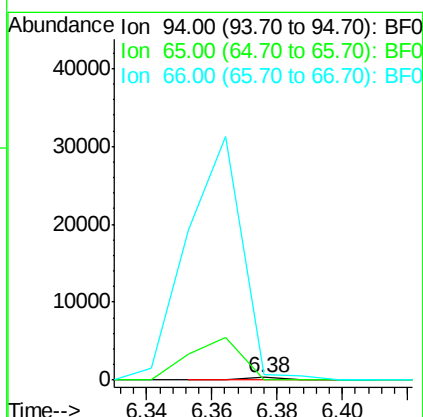
Tgt Ion: 94 Resp: 227

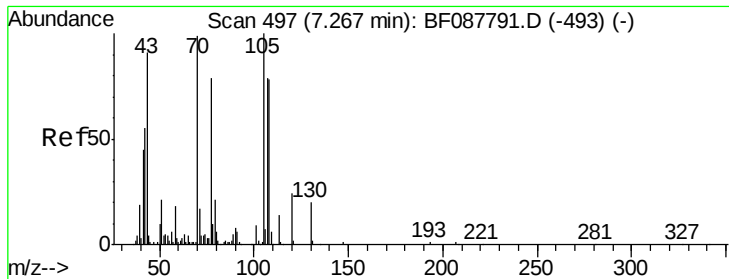
Ion Ratio Lower Upper

94 100

65 0.0 5.9 45.9#

66 195.2 14.0 54.0#

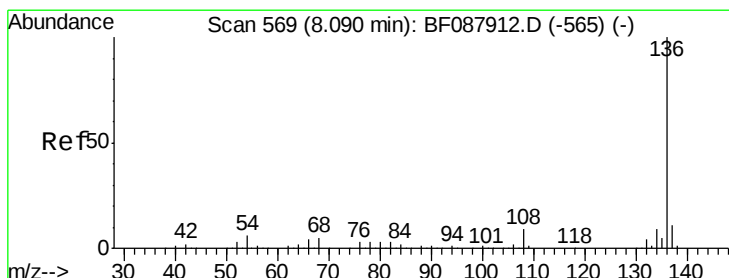
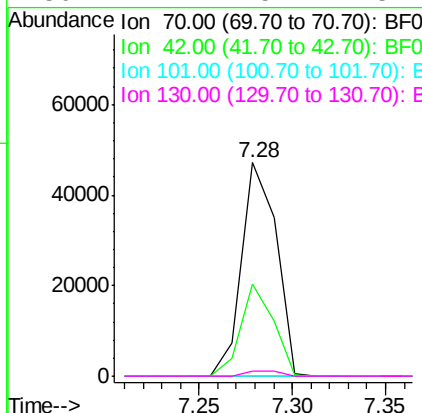
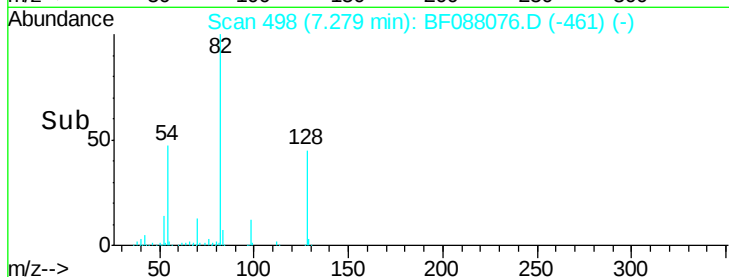
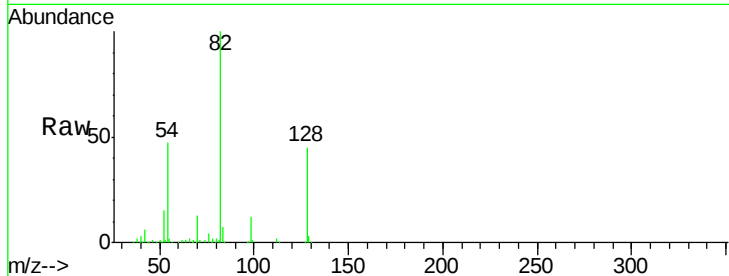




#19
n-Nitroso-di-n-propylamine
Concen: 13.74 ng
RT: 7.28 min Scan# 498
Delta R.T. 0.13 min
Lab File: BF088076.D
Acq: 16 Jun 2016 15:25

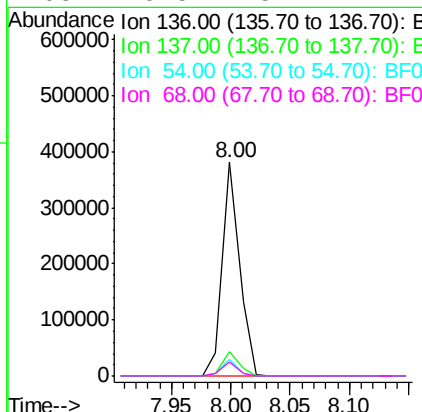
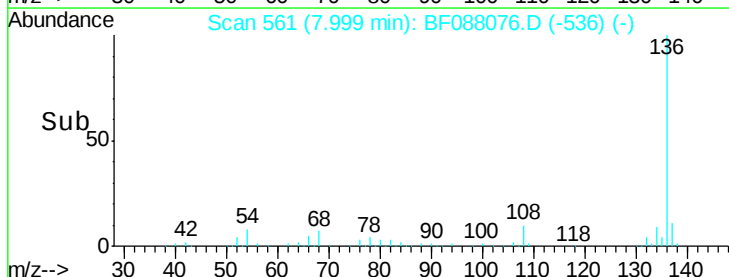
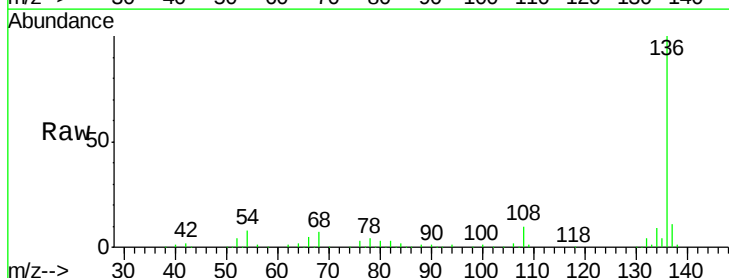
Instrument :
BNA_F
ClientSampleId :
PB91213TB

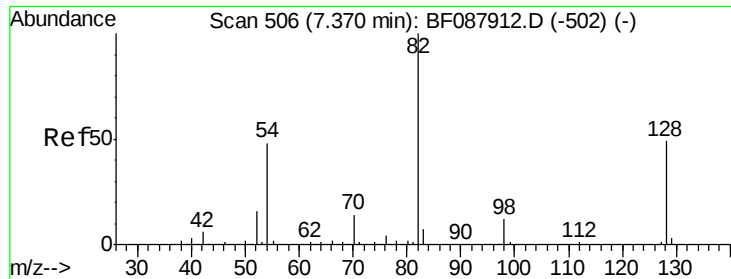
Tgt Ion: 70 Resp: 61908
Ion Ratio Lower Upper
70 100
42 43.0 49.6 74.4#
101 0.0 7.1 10.7#
130 2.4 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 561
Delta R.T. -0.01 min
Lab File: BF088076.D
Acq: 16 Jun 2016 15:25

Tgt Ion: 136 Resp: 385731
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.8 6.6 10.0
68 6.5 5.1 7.7

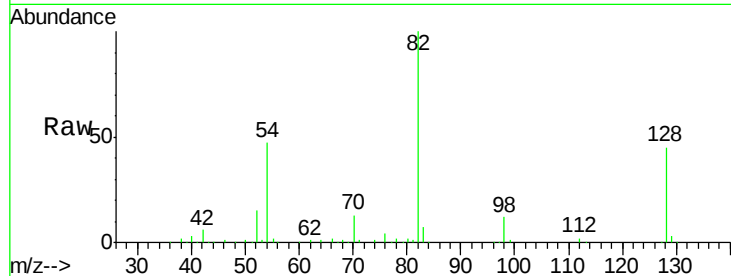




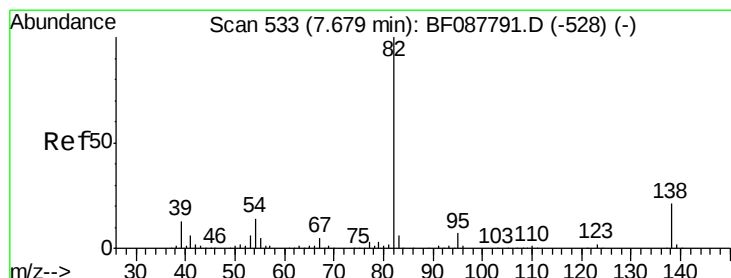
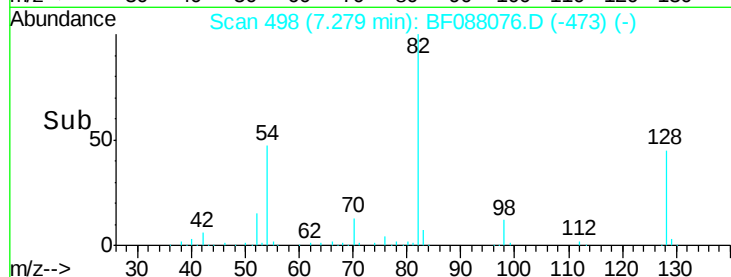
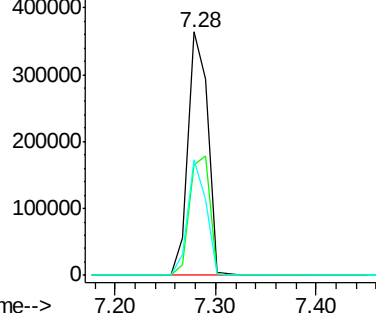
#23
 Nitrobenzene-d5
 Concen: 75.08 ng
 RT: 7.28 min Scan# 498
 Delta R.T. -0.01 min
 Lab File: BF088076.D
 Acq: 16 Jun 2016 15:25

Instrument :
 BNA_F
 ClientSampleID :
 PB91213TB

Tgt Ion: 82 Resp: 495984
 Ion Ratio Lower Upper
 82 100
 128 45.3 35.9 53.9
 54 47.4 40.9 61.3

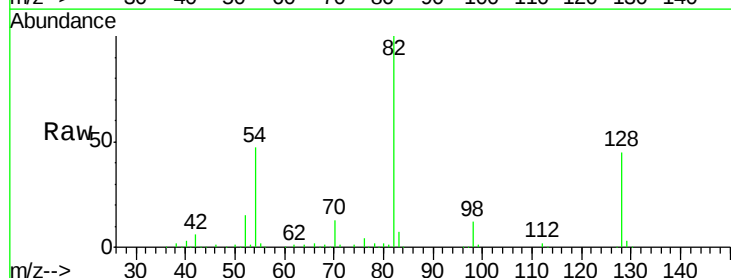


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

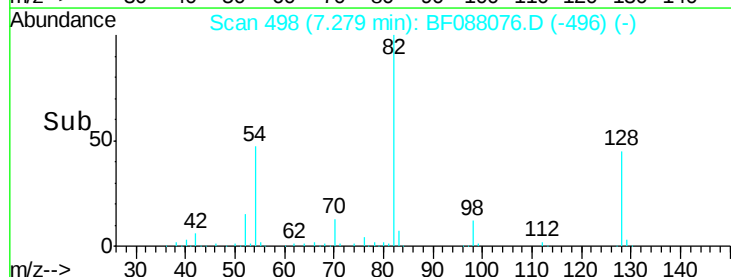
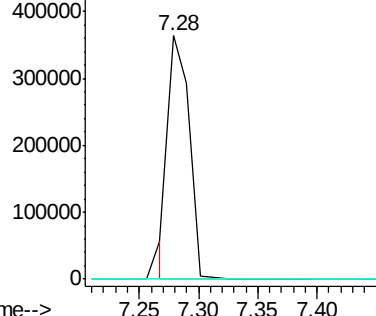


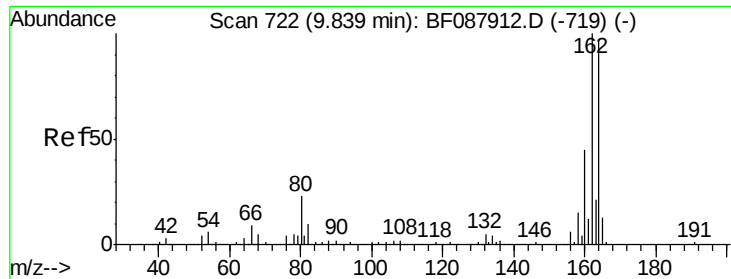
#25
 Isophorone
 Concen: 37.39 ng
 RT: 7.28 min Scan# 498
 Delta R.T. -0.27 min
 Lab File: BF088076.D
 Acq: 16 Jun 2016 15:25

Tgt Ion: 82 Resp: 457531
 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

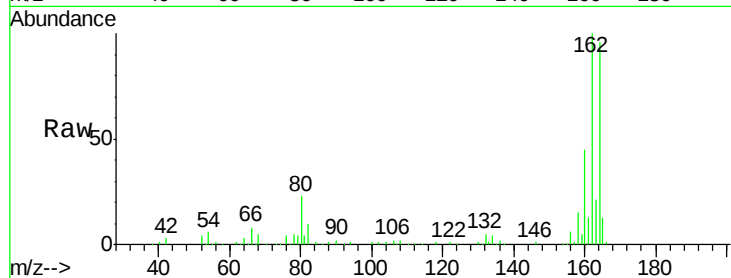




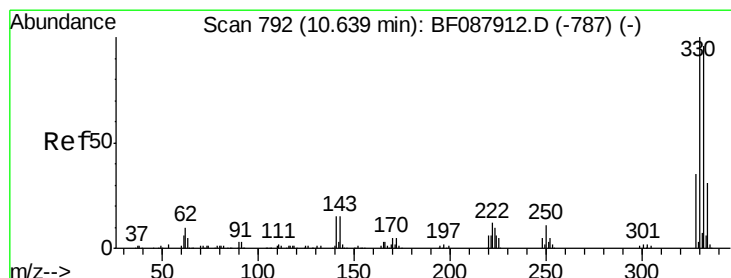
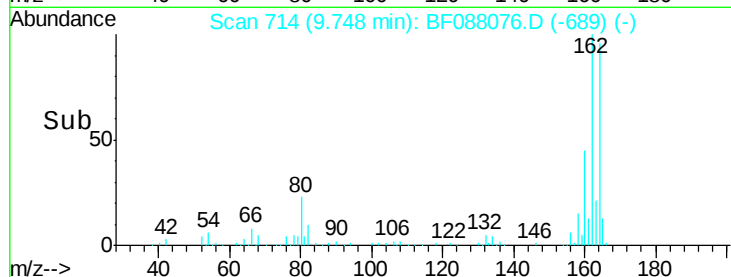
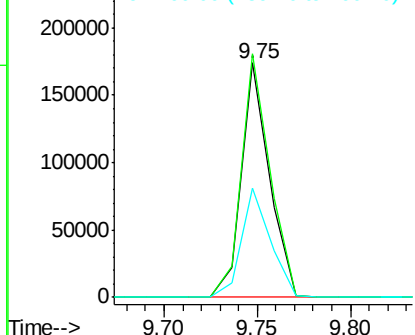
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 714
Delta R.T. -0.01 min
Lab File: BF088076.D
Acq: 16 Jun 2016 15:25

Instrument :
BNA_F
ClientSampleID :
PB91213TB

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	85.4	128.2
160	46.8	39.5	59.3

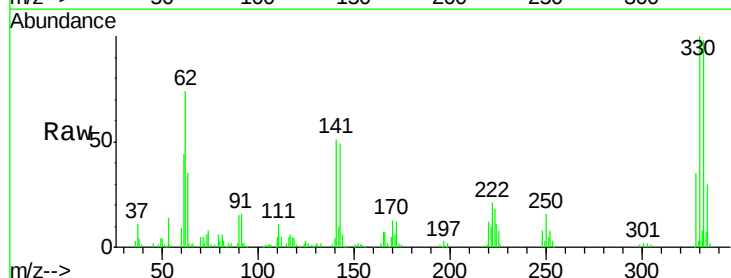


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

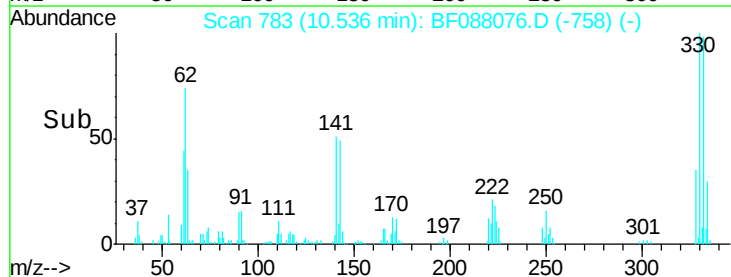
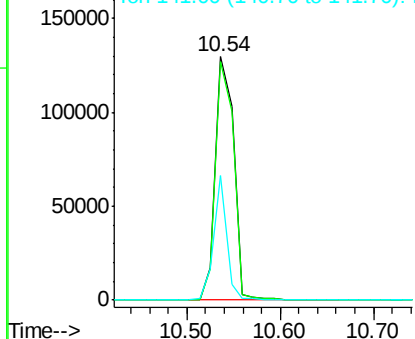


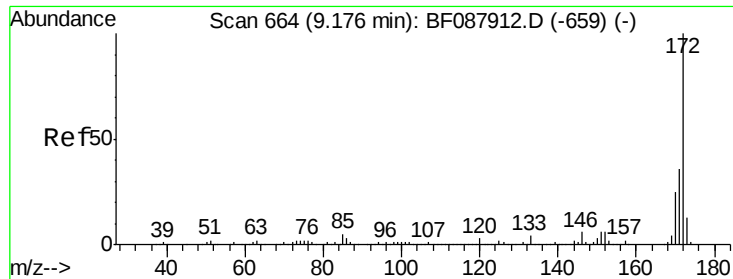
#41
2,4,6-Tribromophenol
Concen: 92.71 ng
RT: 10.54 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF088076.D
Acq: 16 Jun 2016 15:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	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

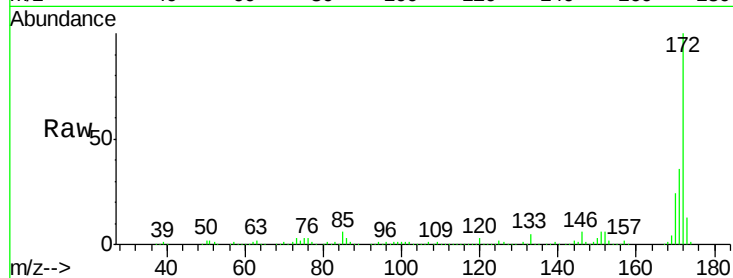




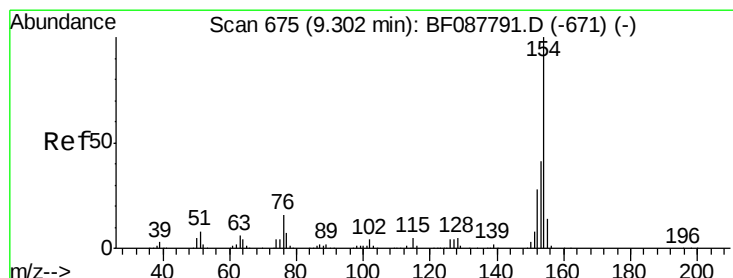
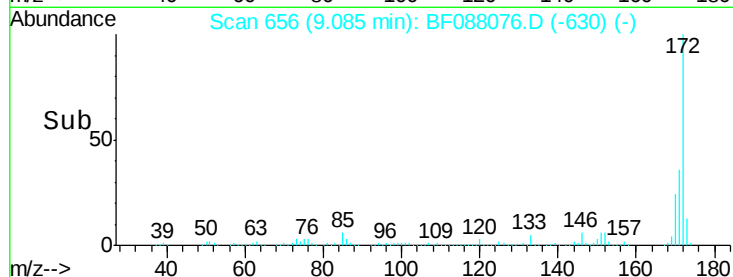
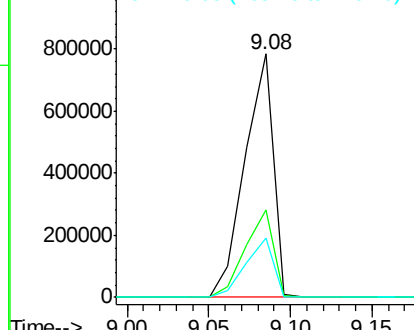
#44
 2-Fluorobiphenyl
 Concen: 81.96 ng
 RT: 9.08 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: BF088076.D
 Acq: 16 Jun 2016 15:25

Instrument :
 BNA_F
 ClientSampleId :
 PB91213TB

Tgt Ion:172 Resp: 946490
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.6 43.0
 170 24.2 19.2 28.8

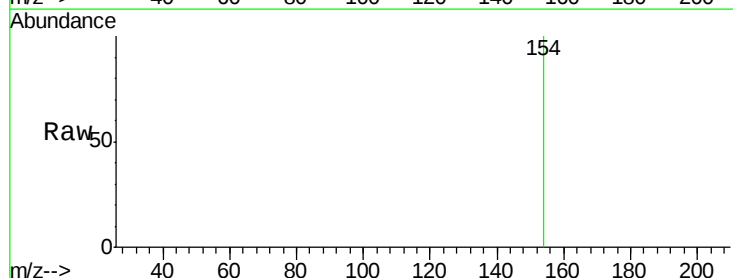


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

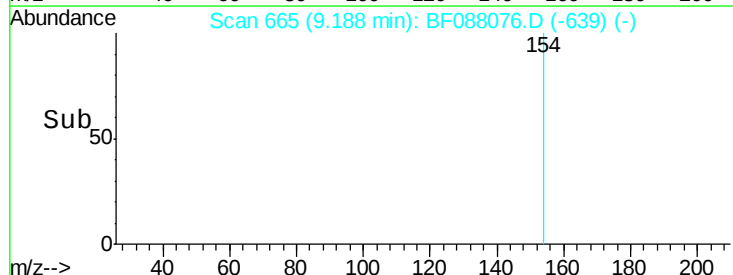
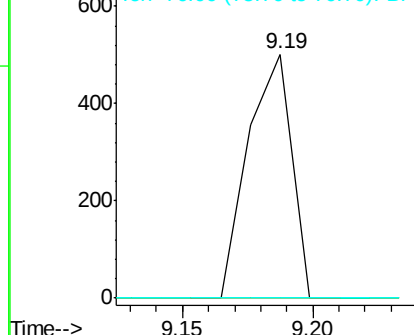


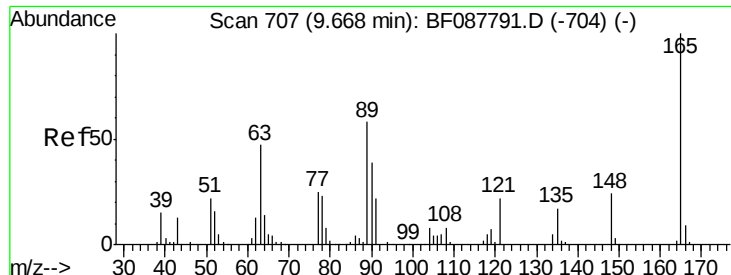
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.19 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: BF088076.D
 Acq: 16 Jun 2016 15:25

Tgt Ion:154 Resp: 588
 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

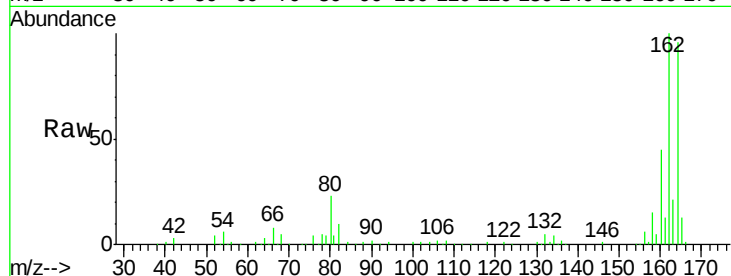




#50
 2,6-Dinitrotoluene
 Concen: 7.65 ng
 RT: 9.75 min Scan# 714
 Delta R.T. 0.19 min
 Lab File: BF088076.D
 Acq: 16 Jun 2016 15:25

Instrument :
 BNA_F
 ClientSampleId :
 PB91213TB

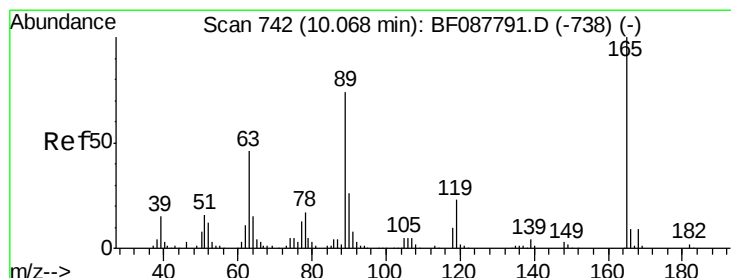
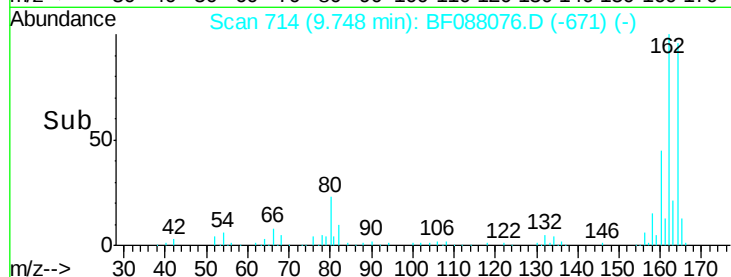
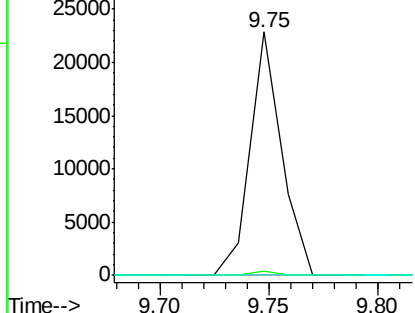
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	28.1	42.1#
89	0.0	32.2	48.2#



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: 5.95 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.21 min
 Lab File: BF088076.D
 Acq: 16 Jun 2016 15:25

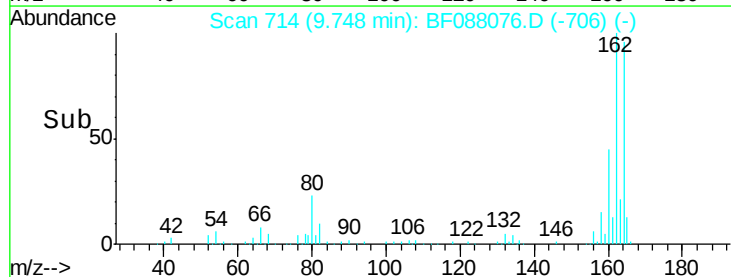
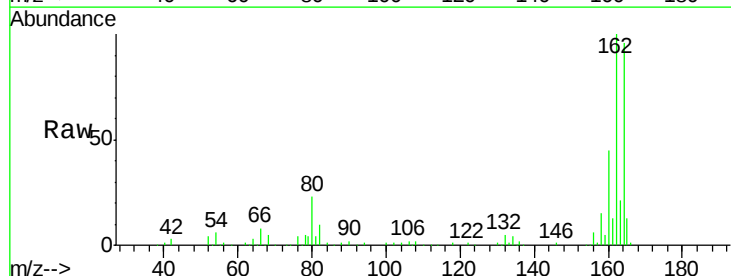
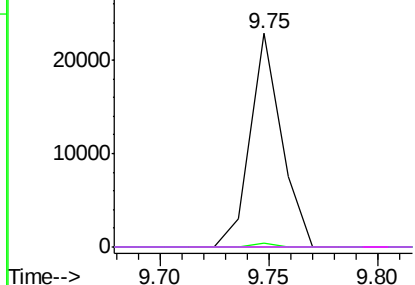
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

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

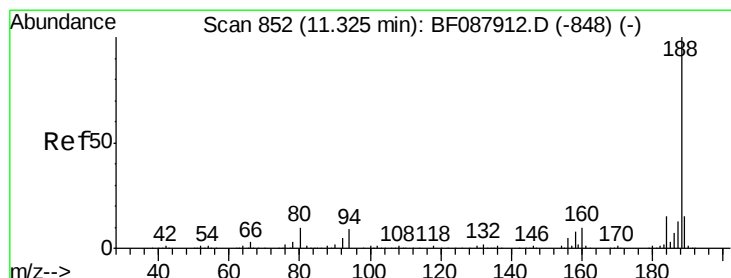
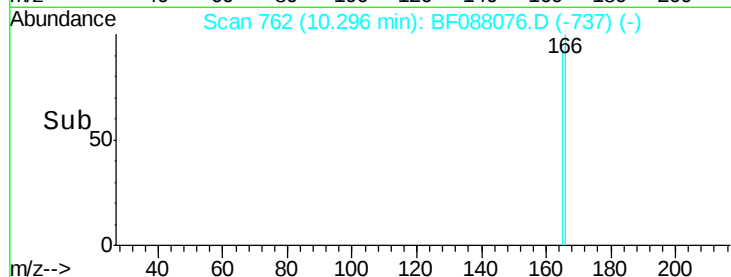
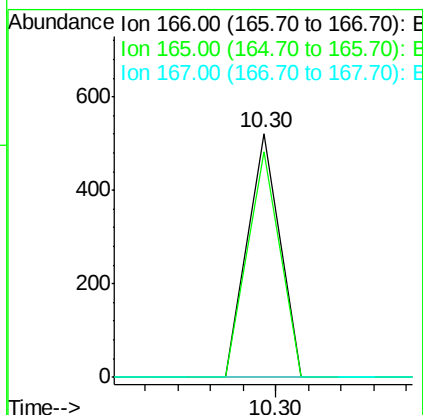
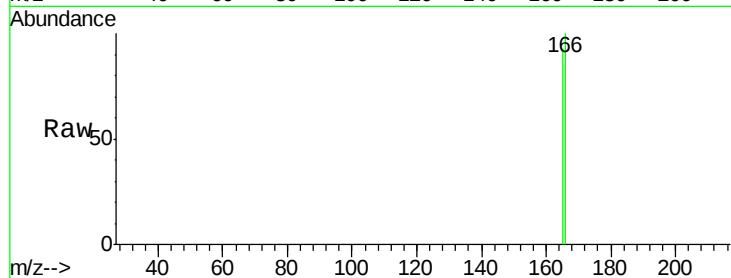




#57
 Fluorene
 Concen: Below Cal
 RT: 10.30 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: BF088076.D
 Acq: 16 Jun 2016 15:25

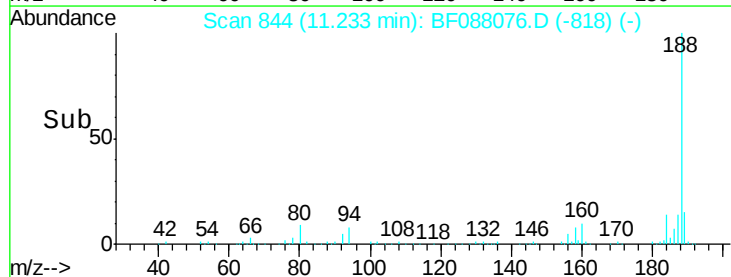
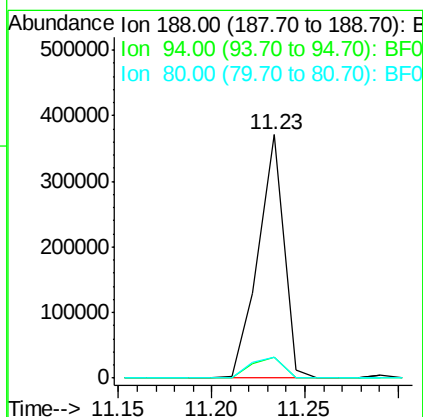
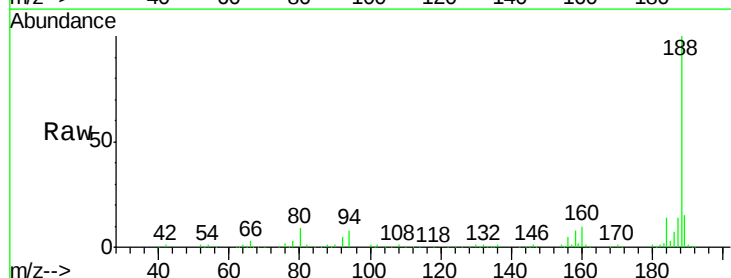
Instrument :
 BNA_F
 ClientSampleId :
 PB91213TB

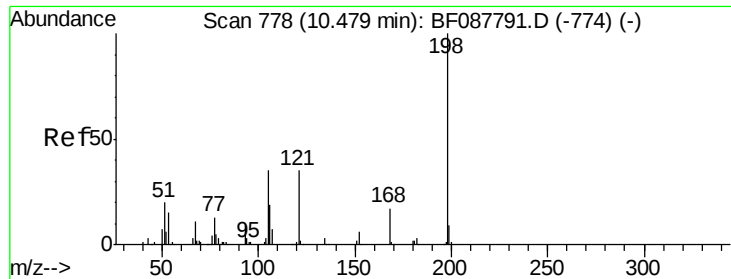
Tgt Ion:166 Resp: 357
 Ion Ratio Lower Upper
 166 100
 165 92.7 77.8 116.8
 167 0.0 11.2 16.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: BF088076.D
 Acq: 16 Jun 2016 15:25

Tgt Ion:188 Resp: 354965
 Ion Ratio Lower Upper
 188 100
 94 8.5 9.0 13.6#
 80 8.5 10.0 15.0#





#64

4,6-Dinitro-2-methylphenol

Concen: 2.30 ng

RT: 10.54 min Scan# 783

Delta R.T. 0.17 min

Lab File: BF088076.D

Acq: 16 Jun 2016 15:25

Instrument :

BNA_F

ClientSampleId :

PB91213TB

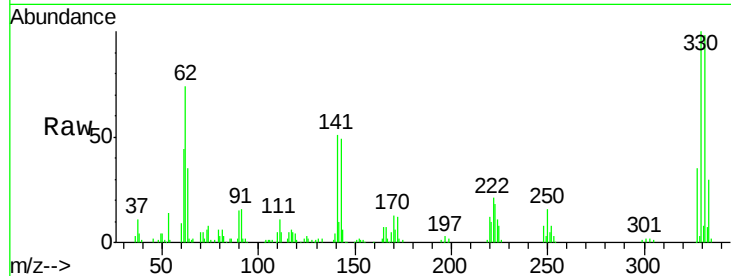
Tgt Ion:198 Resp: 320

Ion Ratio Lower Upper

198 100

51 156.2 39.6 79.6#

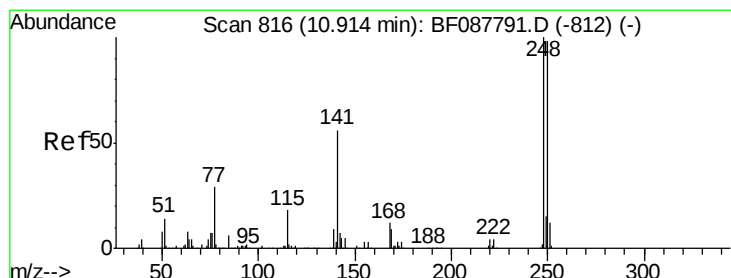
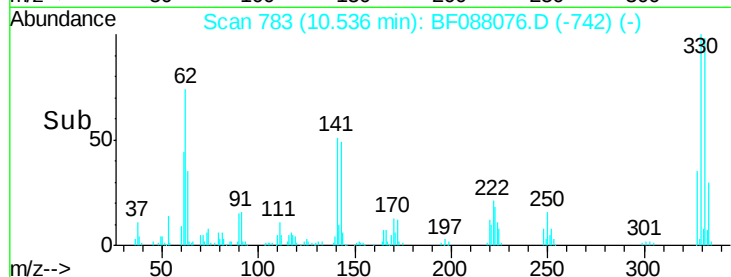
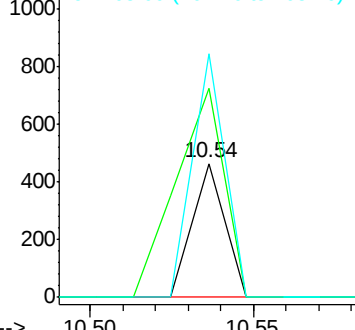
105 181.5 36.6 76.6#



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: 2.92 ng

RT: 10.54 min Scan# 783

Delta R.T. -0.25 min

Lab File: BF088076.D

Acq: 16 Jun 2016 15:25

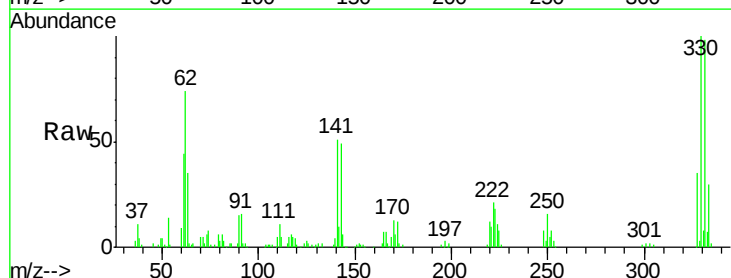
Tgt Ion:248 Resp: 11104

Ion Ratio Lower Upper

248 100

250 197.4 77.1 115.7#

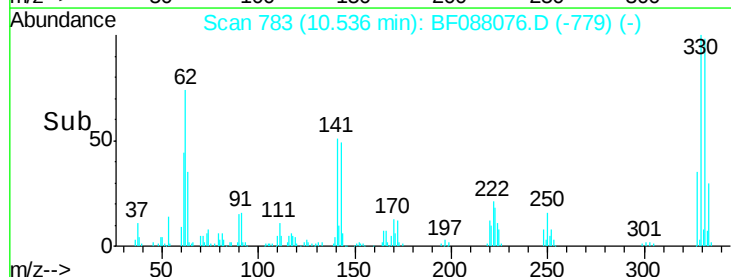
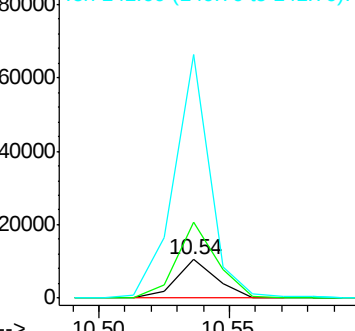
141 635.4 50.6 76.0#

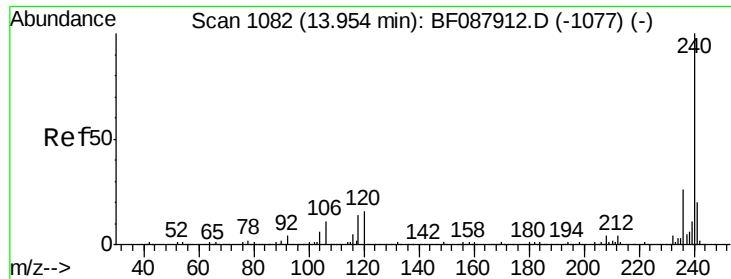


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.86 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BF088076.D

Acq: 16 Jun 2016 15:25

Instrument :

BNA_F

ClientSampleId :

PB91213TB

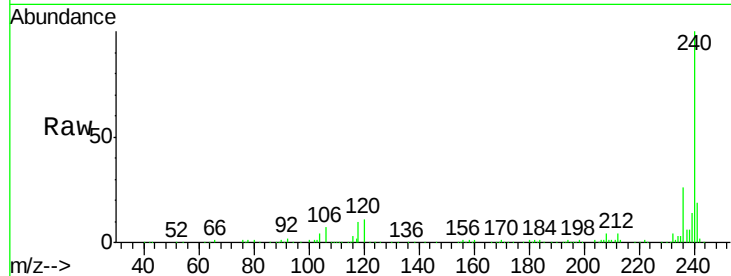
Tgt Ion:240 Resp: 313746

Ion Ratio Lower Upper

240 100

120 10.8 6.8 10.2#

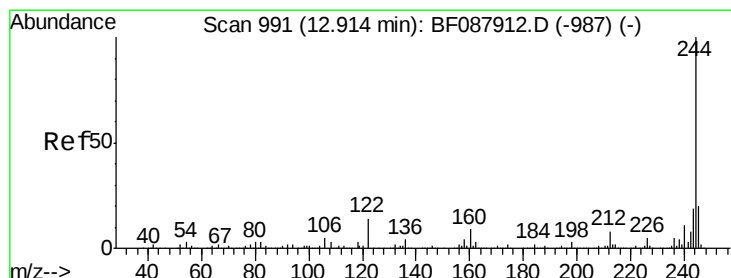
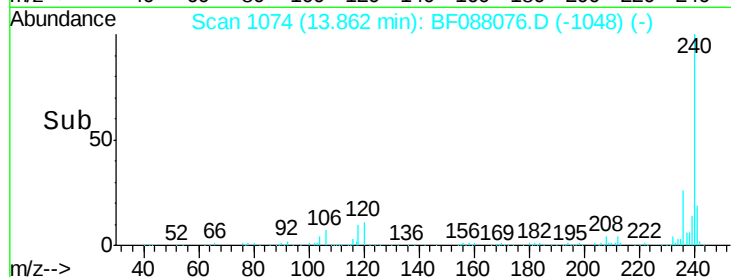
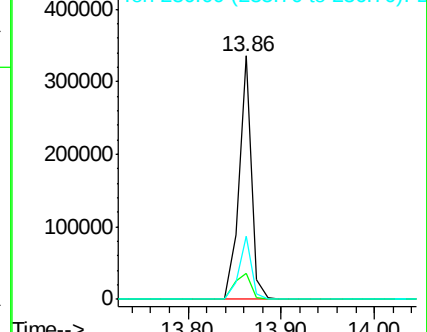
236 26.0 20.2 30.2



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: 64.16 ng

RT: 12.82 min Scan# 983

Delta R.T. 0.00 min

Lab File: BF088076.D

Acq: 16 Jun 2016 15:25

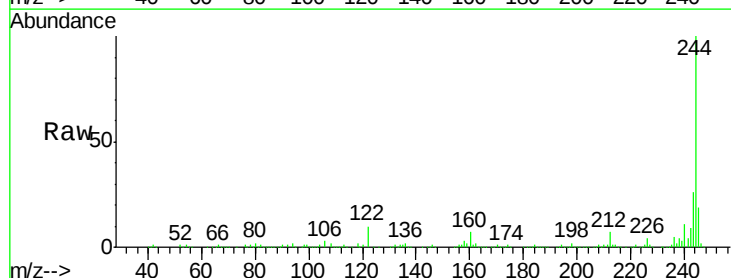
Tgt Ion:244 Resp: 884666

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

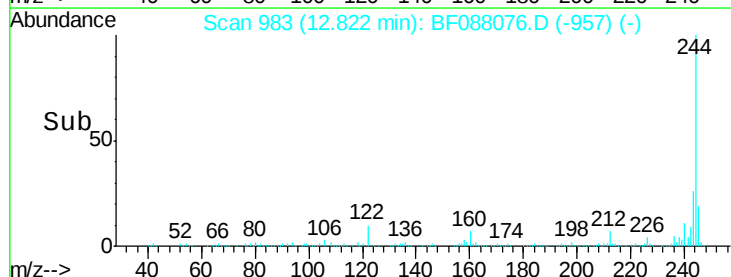
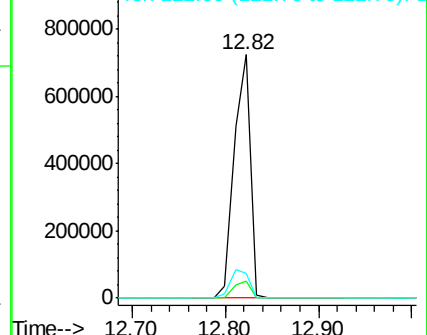
122 10.3 11.2 16.8#

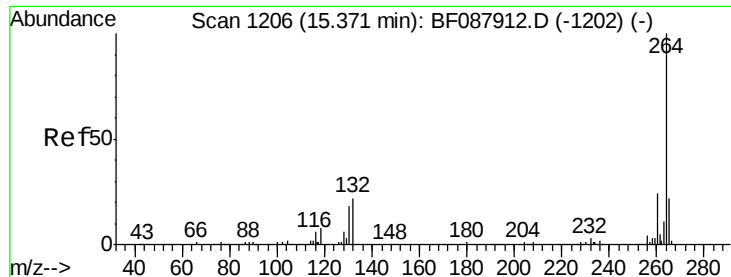


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

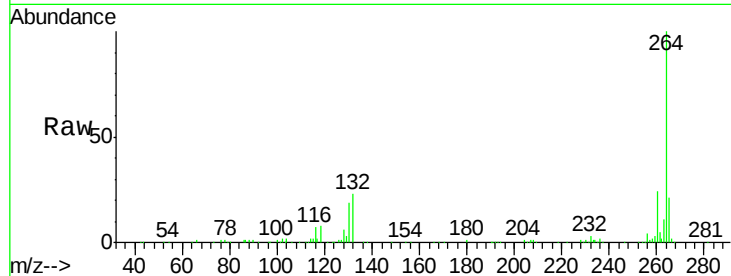




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.25 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BF088076.D
Acq: 16 Jun 2016 15:25

Instrument :
BNA_F
ClientSampleId :
PB91213TB

Tgt Ion: 264 Resp: 256999
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.4 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

