

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061216\
 Data File : BF087966.D
 Acq On : 12 Jun 2016 23:55
 Operator : UM/SJ
 Sample : H3473-05
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-1037-(0-4)

Quant Time: Jun 13 05:03:34 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	113084	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	464285	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	225304	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	407488	20.00	ng	0.00
75) Chrysene-d12	13.95	240	289825	20.00	ng	-0.01
86) Perylene-d12	15.37	264	231313	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	684651	103.50	ng	0.01
7) Phenol-d6	6.43	99	848283	105.81	ng	-0.01
23) Nitrobenzene-d5	7.37	82	633740	79.71	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	216547	91.03	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1027730	70.73	ng	-0.01
78) Terphenyl-d14	12.91	244	1007691	79.12	ng	-0.01

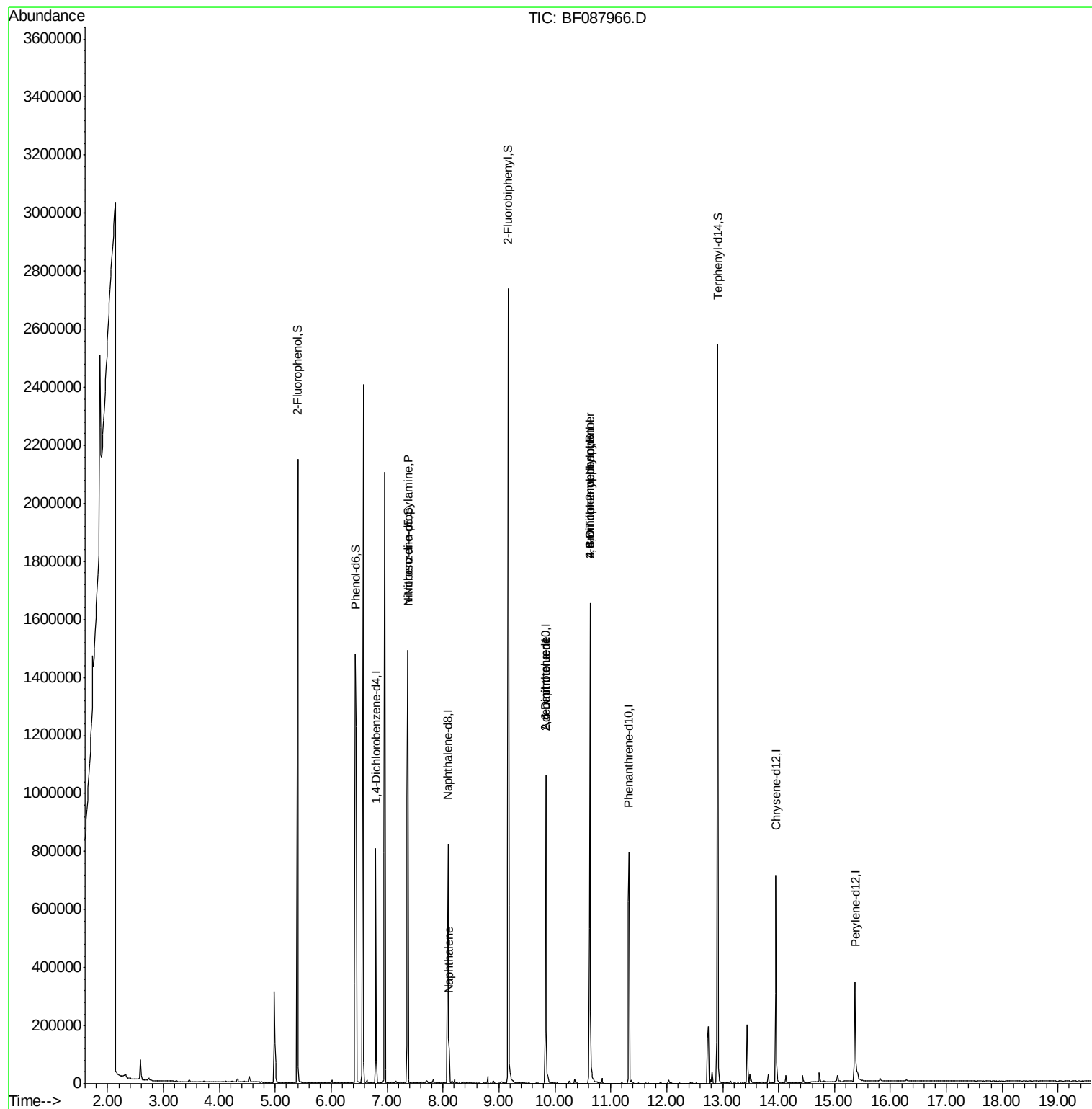
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.57	94	1370	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	81860	15.96	ng	69
31) Naphthalene	8.10	128	94081	4.09	ng	98
45) 1,1'-Biphenyl	9.27	154	1429	Below Cal		89
50) 2,6-Dinitrotoluene	9.84	165	28536	7.63	ng	39
56) 2,4-Dinitrotoluene	9.84	165	28537	5.94	ng	38
57) Fluorene	10.39	166	2100	Below Cal	#	94
64) 4,6-Dinitro-2-methylphenol	10.63	198	417	2.32	ng	1
66) 4-Bromophenyl-phenylether	10.63	248	14288	3.27	ng	1

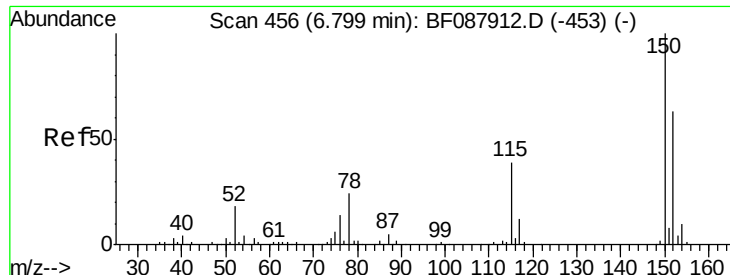
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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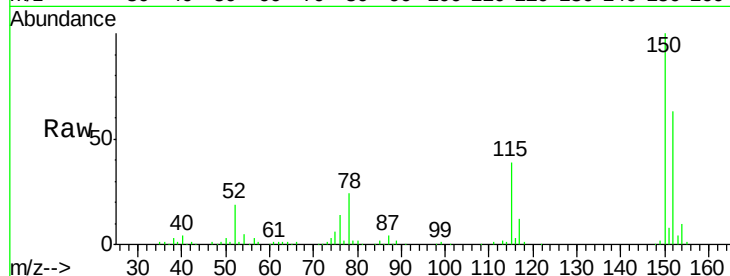


#1

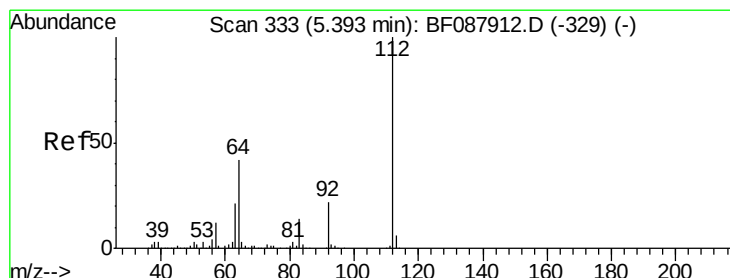
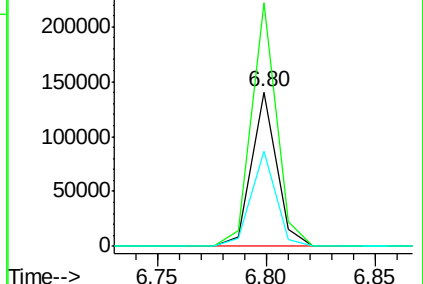
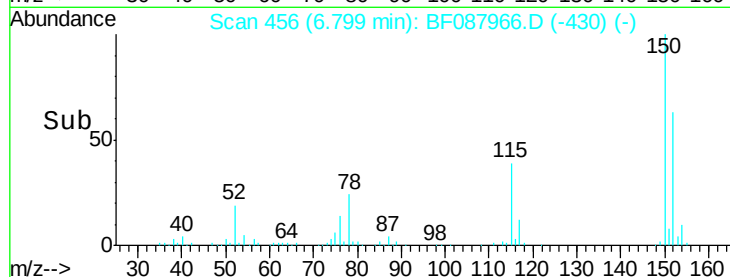
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: BF087966.D
 Acq: 12 Jun 2016 23:55

Instrument :
 BNA_F
 ClientSampleId :
 STA-1037-(0-4)

Tgt Ion:152 Resp: 113084
 Ion Ratio Lower Upper
 152 100
 150 157.5 123.8 185.6
 115 61.7 39.6 59.4#



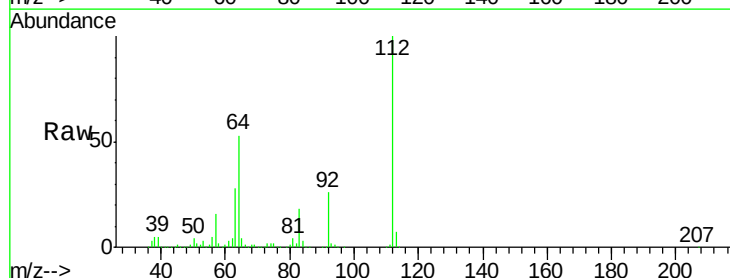
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



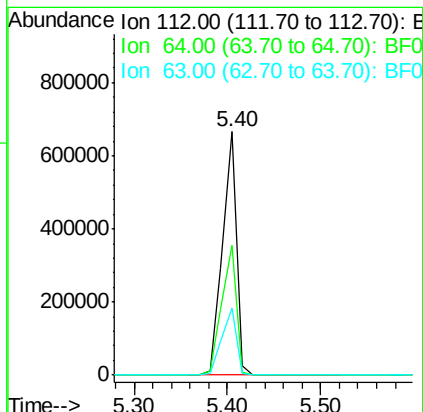
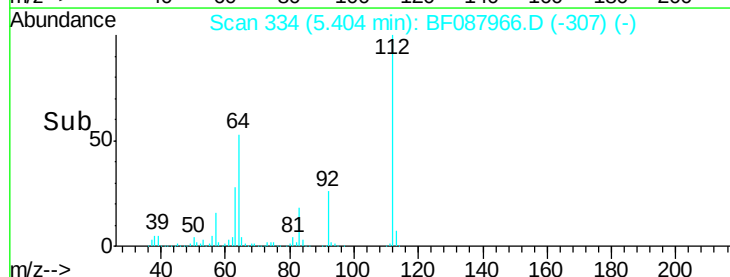
#5

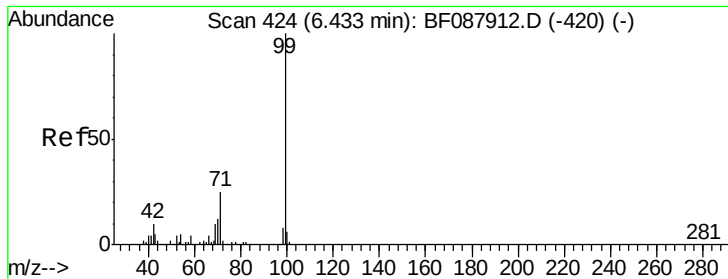
2-Fluorophenol
 Concen: 103.50 ng
 RT: 5.40 min Scan# 334
 Delta R.T. 0.01 min
 Lab File: BF087966.D
 Acq: 12 Jun 2016 23:55

Tgt Ion:112 Resp: 684651
 Ion Ratio Lower Upper
 112 100
 64 53.5 42.2 63.2
 63 27.5 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: 105.81 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF087966.D

Acq: 12 Jun 2016 23:55

Instrument :

BNA_F

ClientSampleId :

STA-1037-(0-4)

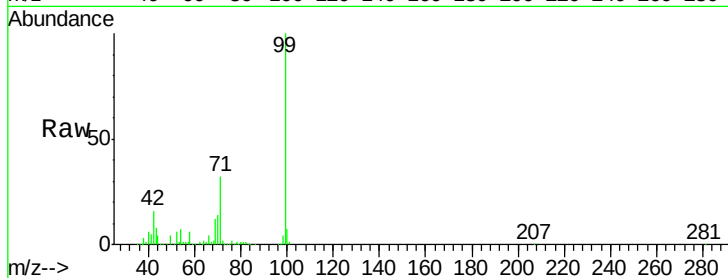
Tgt Ion: 99 Resp: 848283

Ion Ratio Lower Upper

99 100

42 16.4 12.2 18.2

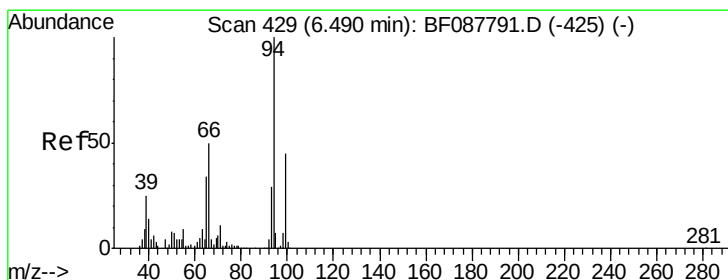
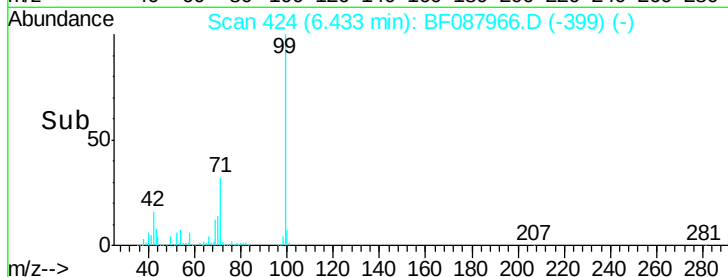
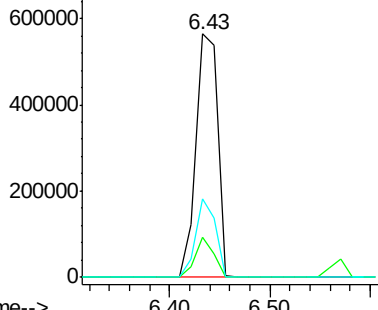
71 32.4 23.4 35.0



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: 6.57 min Scan# 436

Delta R.T. 0.11 min

Lab File: BF087966.D

Acq: 12 Jun 2016 23:55

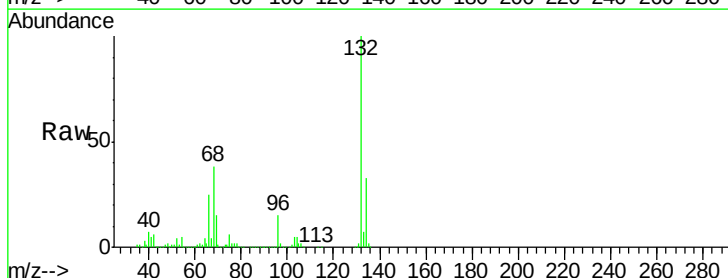
Tgt Ion: 94 Resp: 1370

Ion Ratio Lower Upper

94 100

65 1022.9 5.9 45.9#

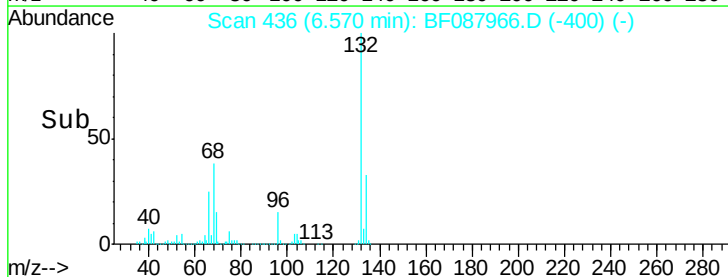
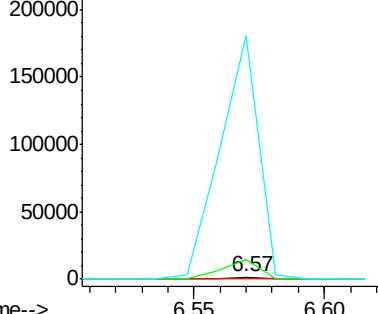
66 12603.6 14.0 54.0#

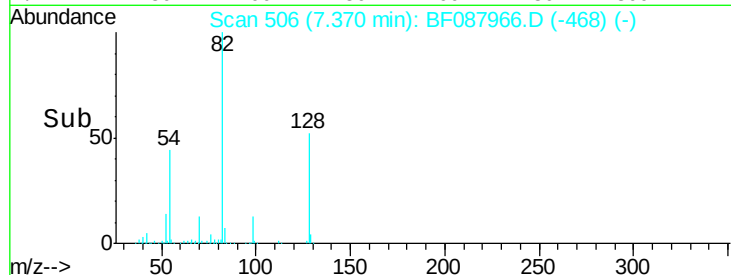
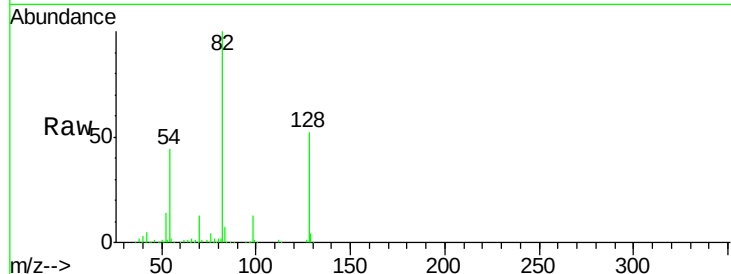
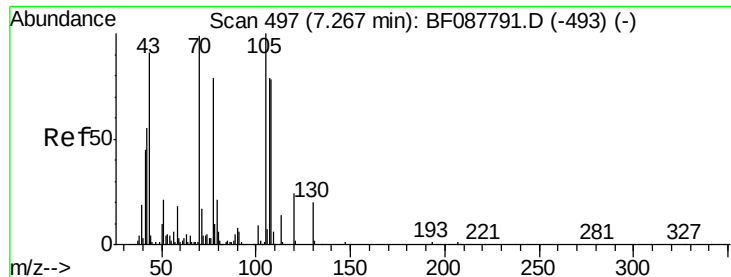


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

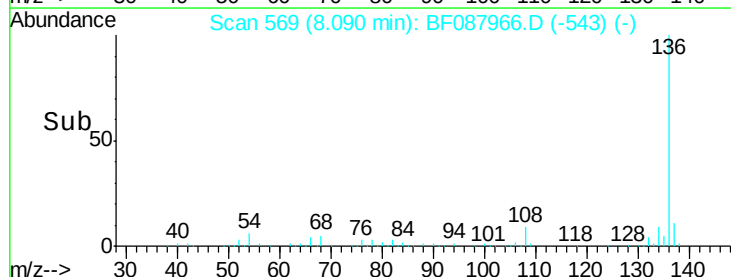
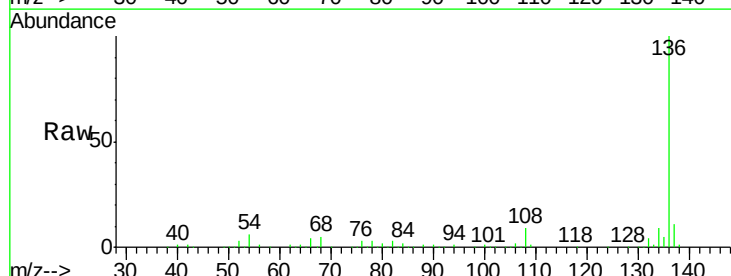
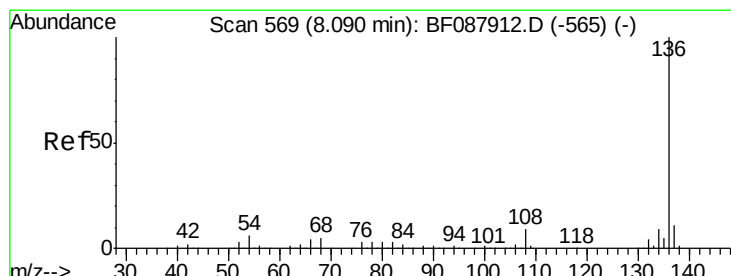
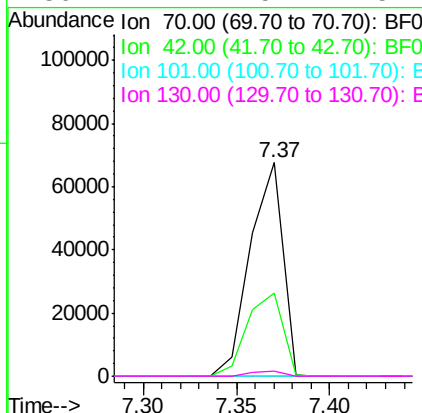




#19
n-Nitroso-di-n-propylamine
Concen: 15.96 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.14 min
Lab File: BF087966.D
Acq: 12 Jun 2016 23:55

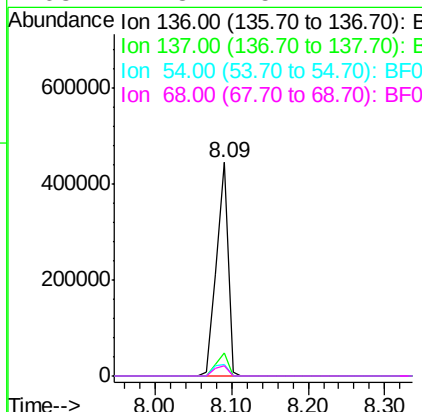
Instrument :
BNA_F
ClientSampleId :
STA-1037-(0-4)

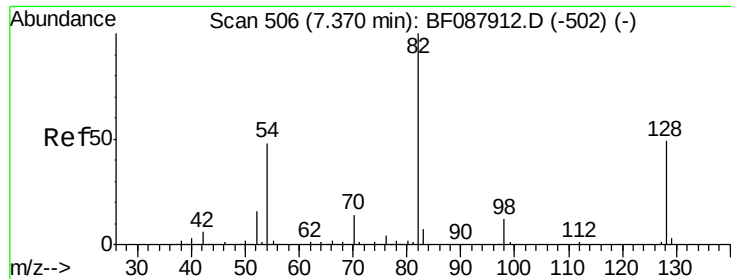
Tgt Ion:	70	Resp:	81860
Ion	Ratio	Lower	Upper
70	100		
42	38.8	49.6	74.4#
101	0.0	7.1	10.7#
130	2.4	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF087966.D
Acq: 12 Jun 2016 23:55

Tgt Ion:	136	Resp:	464285
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	5.5	6.6	10.0#
68	4.8	5.1	7.7#

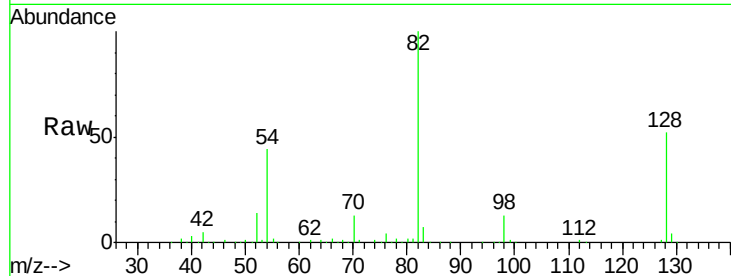




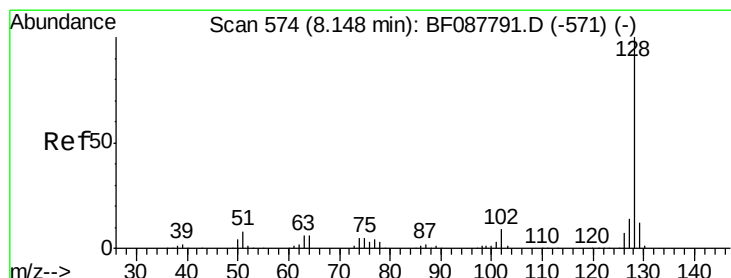
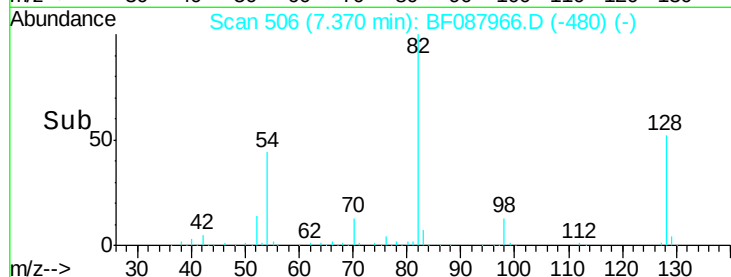
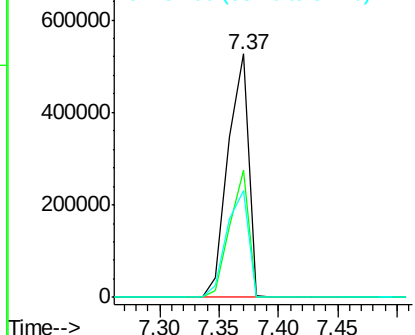
#23
 Nitrobenzene-d5
 Concen: 79.71 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: BF087966.D
 Acq: 12 Jun 2016 23:55

Instrument :
 BNA_F
 ClientSampleId :
 STA-1037-(0-4)

Tgt Ion: 82 Resp: 633740
 Ion Ratio Lower Upper
 82 100
 128 52.4 35.9 53.9
 54 43.8 40.9 61.3

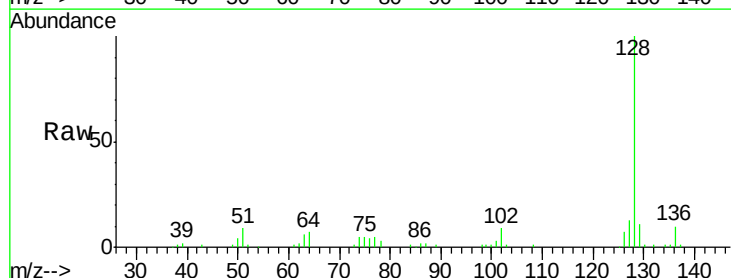


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

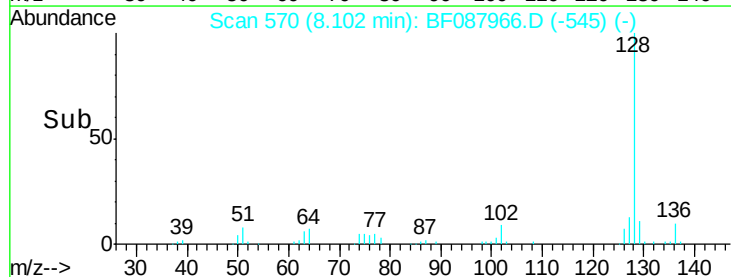
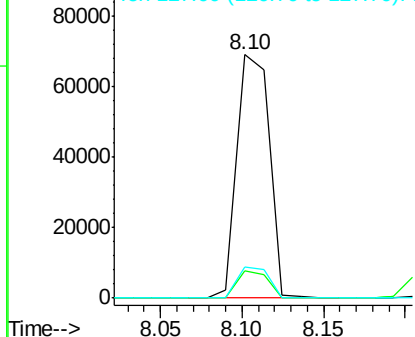


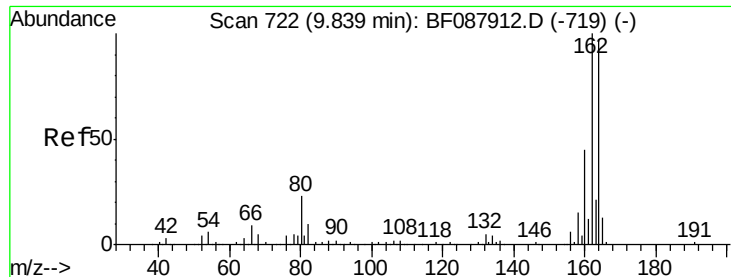
#31
 Naphthalene
 Concen: 4.09 ng
 RT: 8.10 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: BF087966.D
 Acq: 12 Jun 2016 23:55

Tgt Ion: 128 Resp: 94081
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.4 14.2
 127 12.8 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

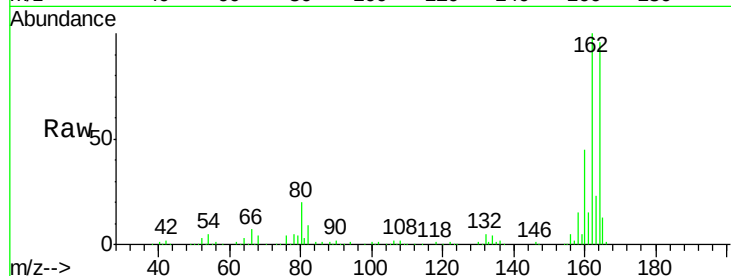




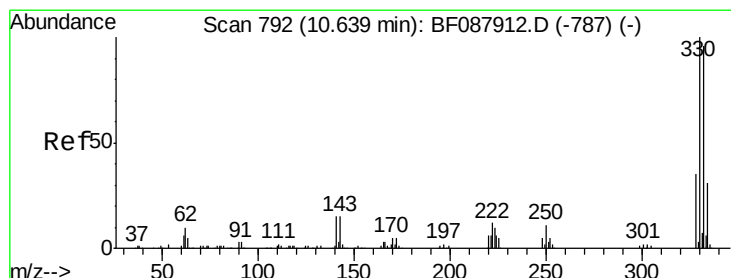
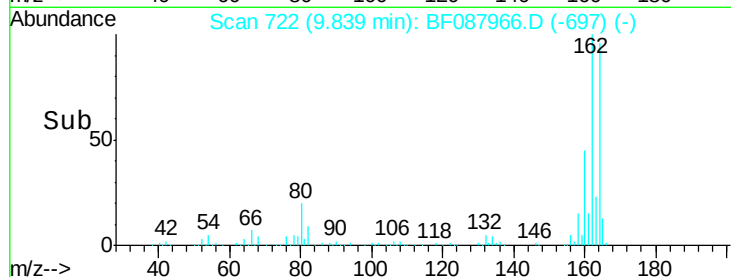
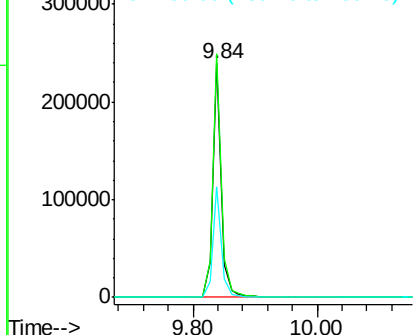
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF087966.D
Acq: 12 Jun 2016 23:55

Instrument :
BNA_F
ClientSampleId :
STA-1037-(0-4)

Tgt Ion:164 Resp: 225304
Ion Ratio Lower Upper
164 100
162 103.9 85.4 128.2
160 47.3 39.5 59.3

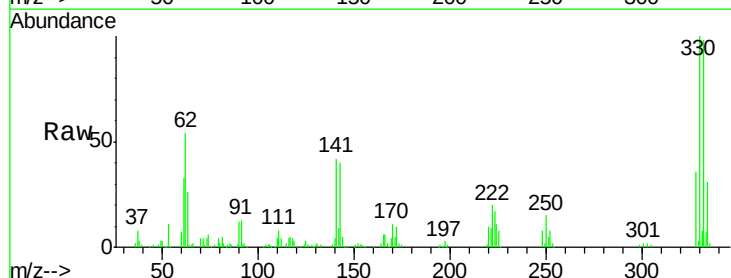


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

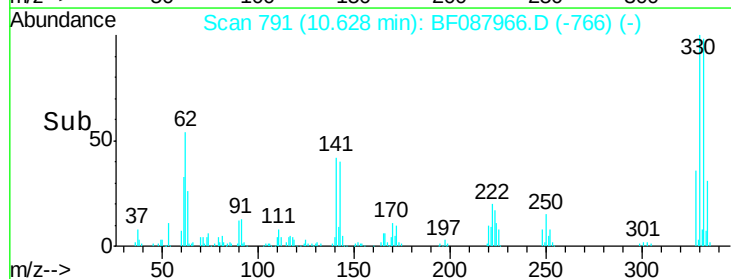
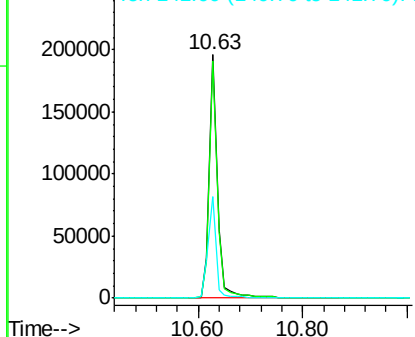


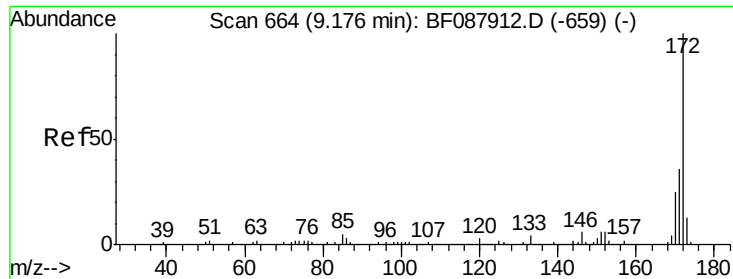
#41
2,4,6-Tribromophenol
Concen: 91.03 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF087966.D
Acq: 12 Jun 2016 23:55

Tgt Ion:330 Resp: 216547
Ion Ratio Lower Upper
330 100
332 97.1 0.0 0.0#
141 41.3 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

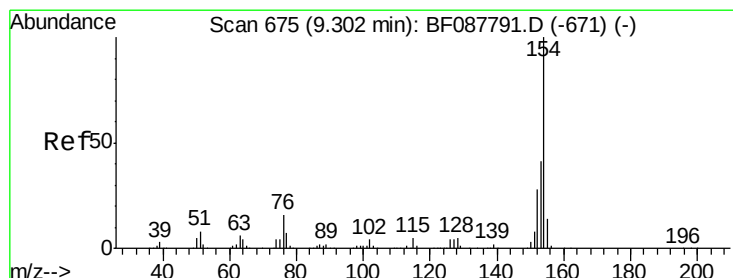
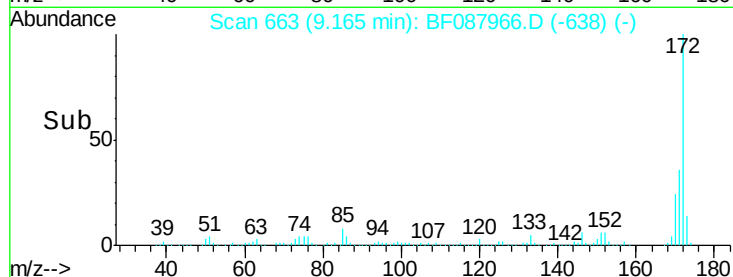
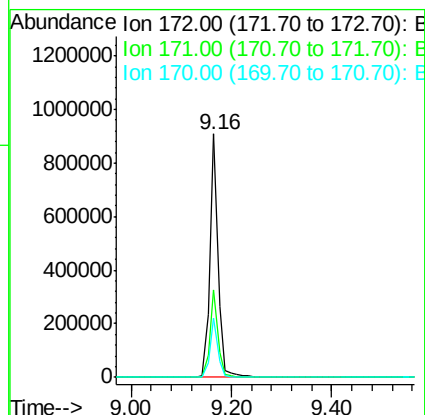
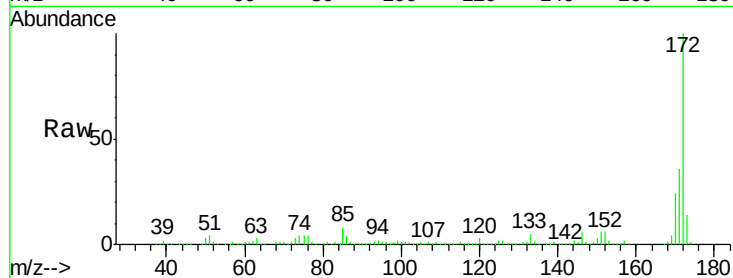




#44
 2-Fluorobiphenyl
 Concen: 70.73 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF087966.D
 Acq: 12 Jun 2016 23:55

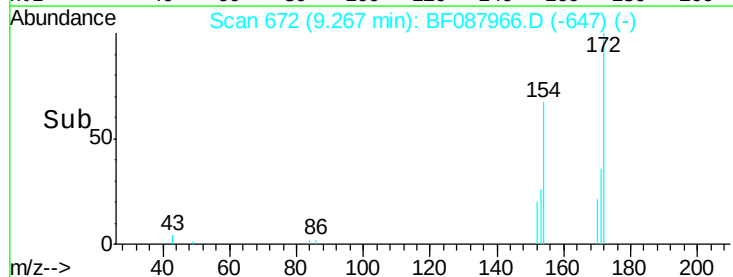
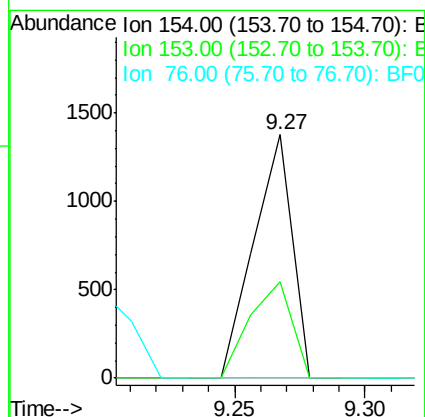
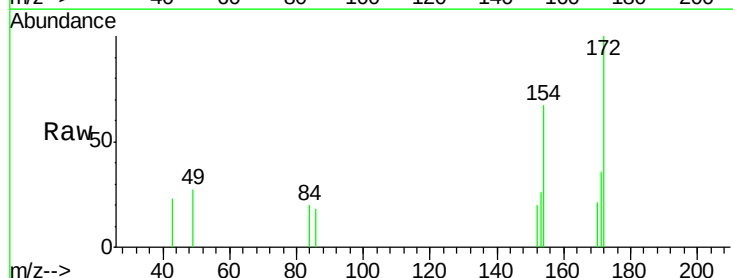
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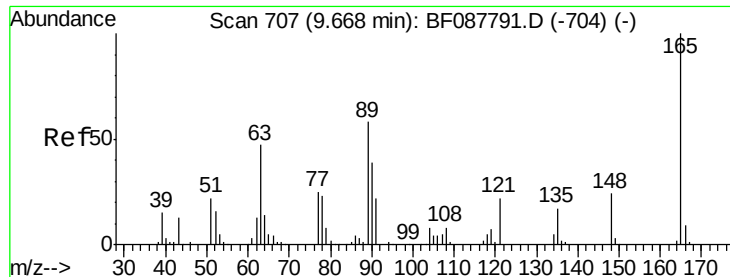
Tgt Ion:172 Resp: 1027730
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 24.2 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.27 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF087966.D
 Acq: 12 Jun 2016 23:55

Tgt Ion:154 Resp: 1429
 Ion Ratio Lower Upper
 154 100
 153 39.8 20.6 60.6
 76 0.0 0.0 35.1

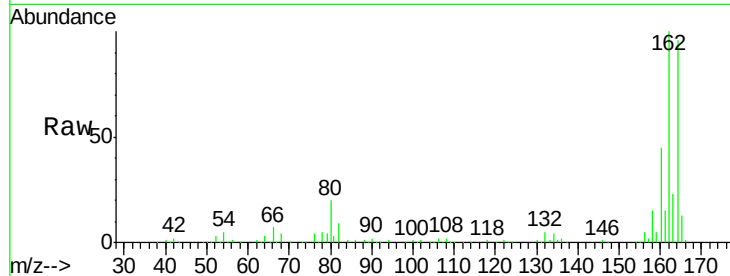




#50
 2,6-Dinitrotoluene
 Concen: 7.63 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.19 min
 Lab File: BF087966.D
 Acq: 12 Jun 2016 23:55

Instrument :
 BNA_F
 ClientSampleId :
 STA-1037-(0-4)

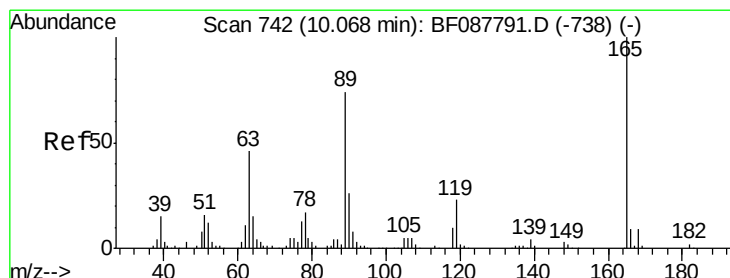
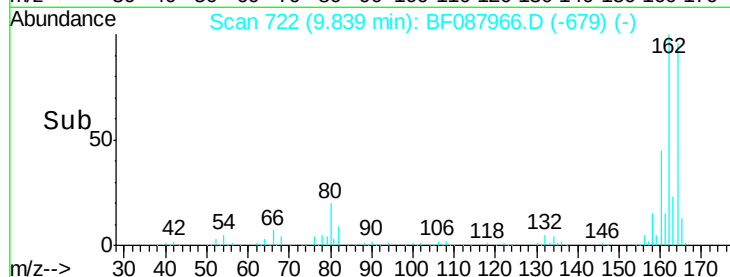
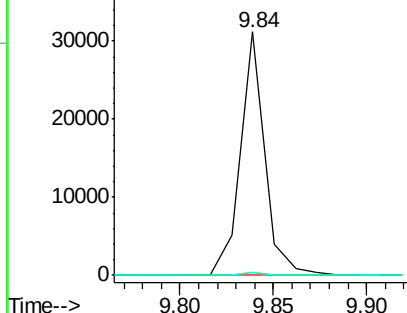
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.1	42.1#
89	1.4	32.2	48.2#



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: BF087966.D
 Acq: 12 Jun 2016 23:55

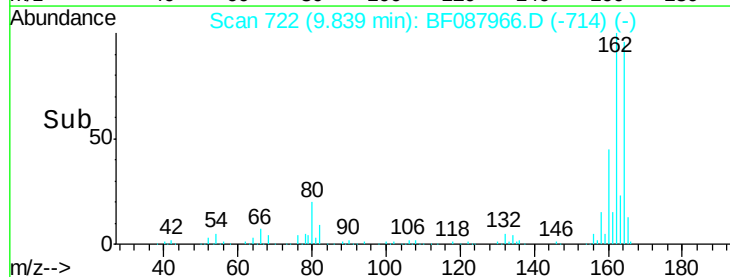
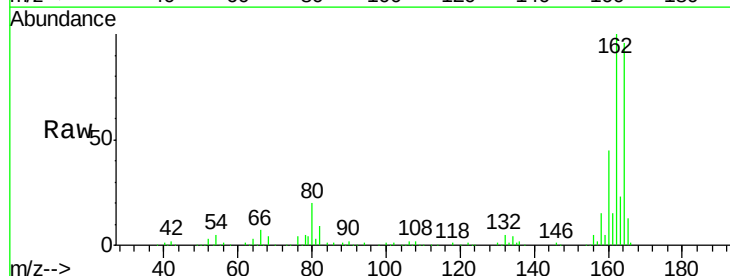
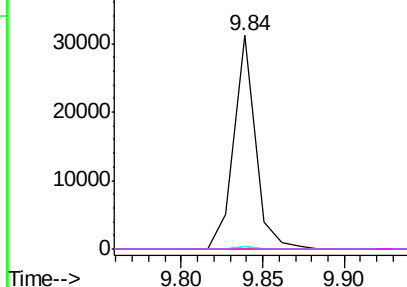
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.4	41.1	61.7#
182	0.0	2.0	3.0#

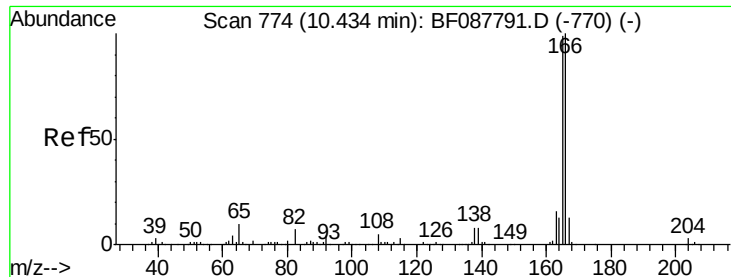
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF087966.D

Acq: 12 Jun 2016 23:55

Instrument :

BNA_F

ClientSampleId :

STA-1037-(0-4)

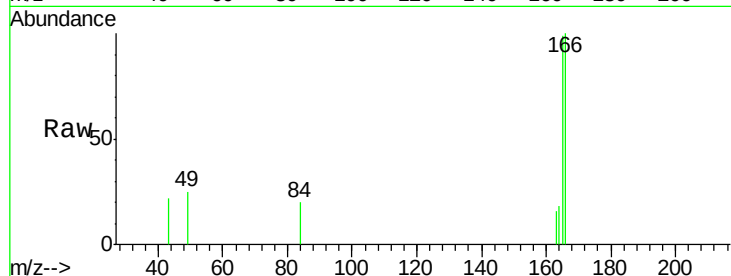
Tgt Ion:166 Resp: 2100

Ion Ratio Lower Upper

166 100

165 98.9 77.8 116.8

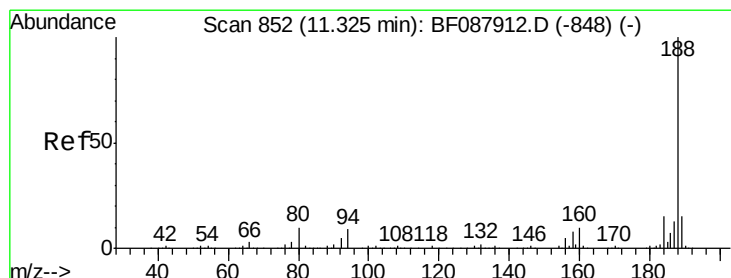
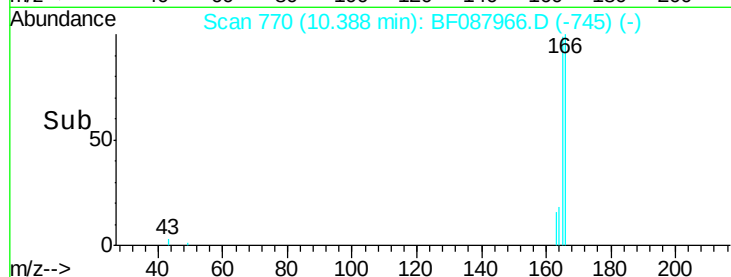
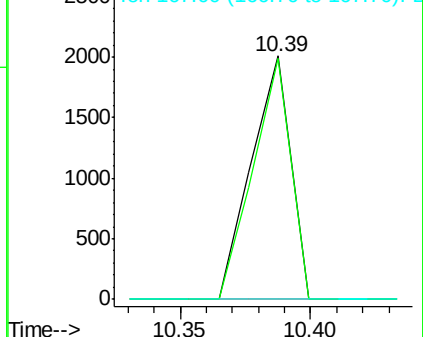
167 0.0 11.2 16.8#



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: BF087966.D

Acq: 12 Jun 2016 23:55

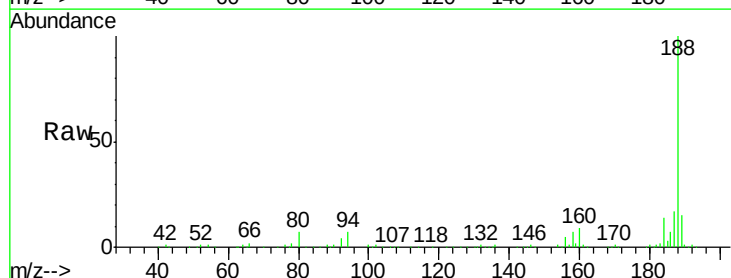
Tgt Ion:188 Resp: 407488

Ion Ratio Lower Upper

188 100

94 6.9 9.0 13.6#

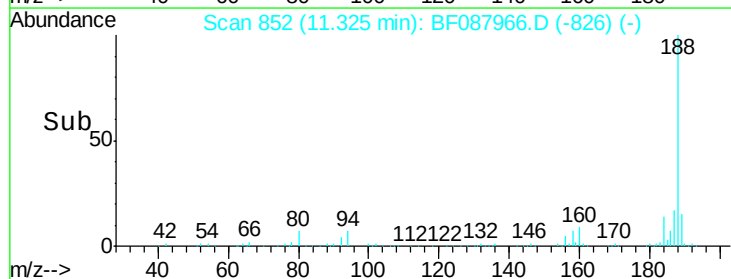
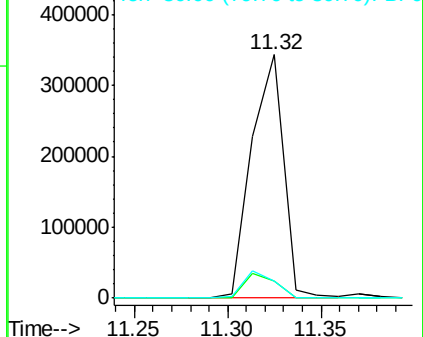
80 6.8 10.0 15.0#

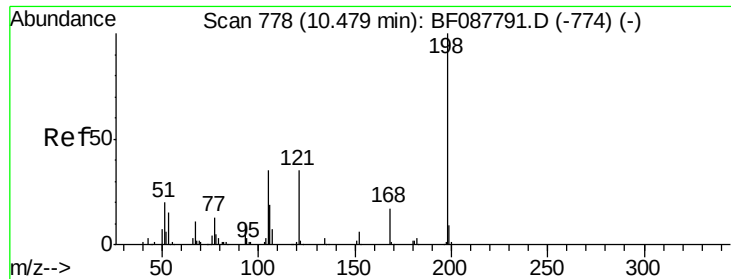


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

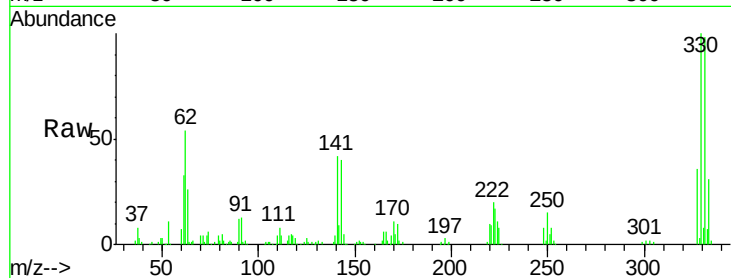




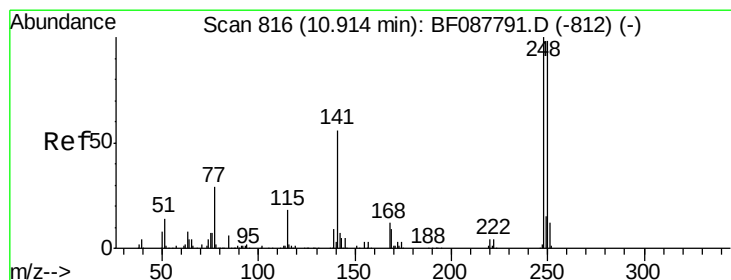
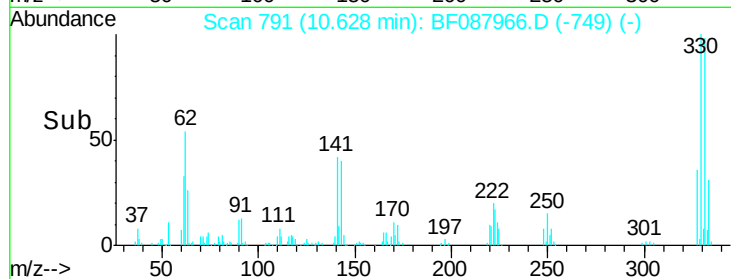
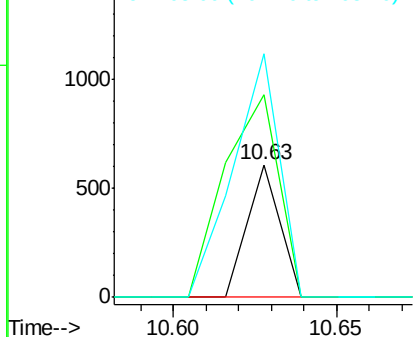
#64
4,6-Dinitro-2-methylphenol
Concen: 2.32 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.18 min
Lab File: BF087966.D
Acq: 12 Jun 2016 23:55

Instrument :
BNA_F
ClientSampleId :
STA-1037-(0-4)

Tgt Ion:198 Resp: 417
Ion Ratio Lower Upper
198 100
51 152.3 39.6 79.6#
105 183.6 36.6 76.6#

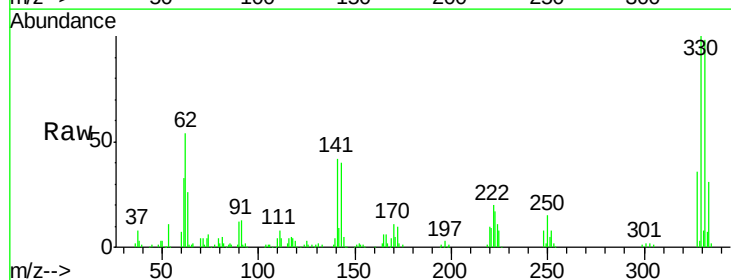


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

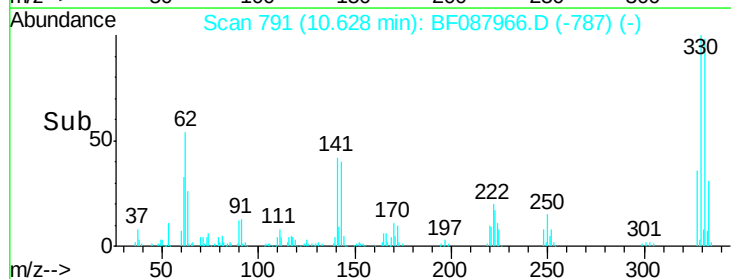
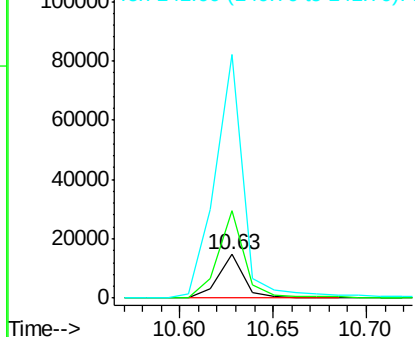


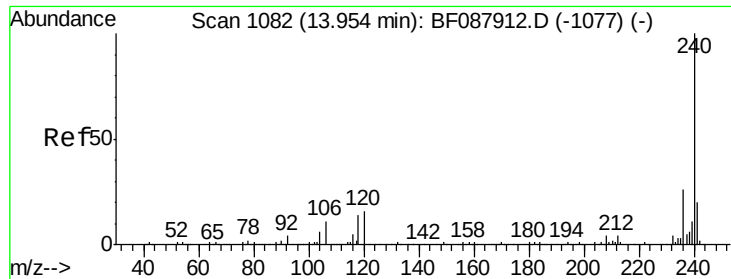
#66
4-Bromophenyl-phenylether
Concen: 3.27 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.25 min
Lab File: BF087966.D
Acq: 12 Jun 2016 23:55

Tgt Ion:248 Resp: 14288
Ion Ratio Lower Upper
248 100
250 199.4 77.1 115.7#
141 556.9 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

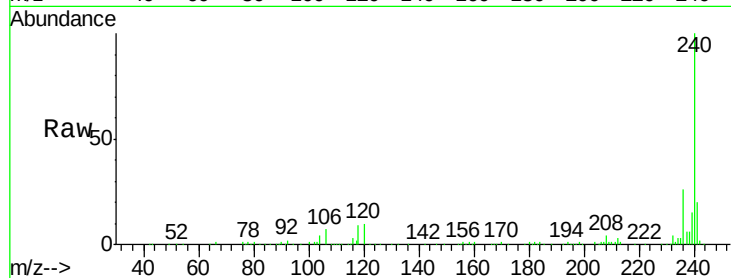




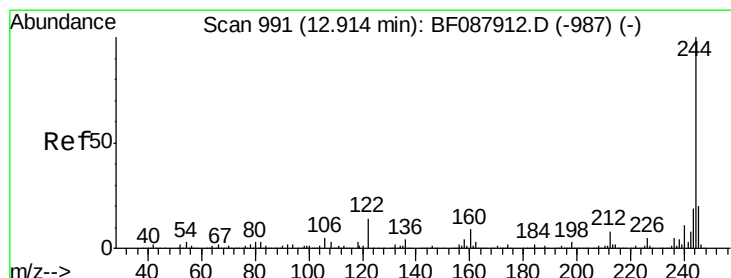
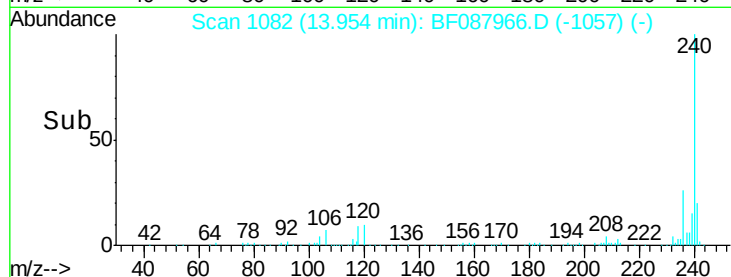
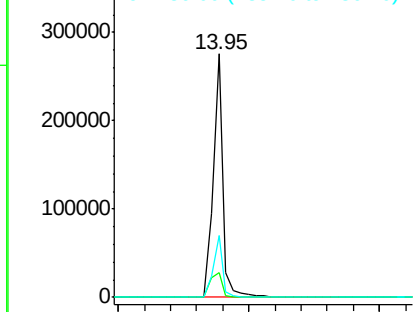
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.01 min
Lab File: BF087966.D
Acq: 12 Jun 2016 23:55

Instrument :
BNA_F
ClientSampleId :
STA-1037-(0-4)

Tgt Ion:240 Resp: 289825
Ion Ratio Lower Upper
240 100
120 10.4 6.8 10.2#
236 25.6 20.2 30.2

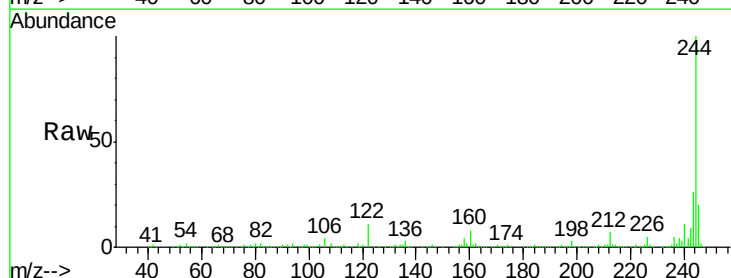


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

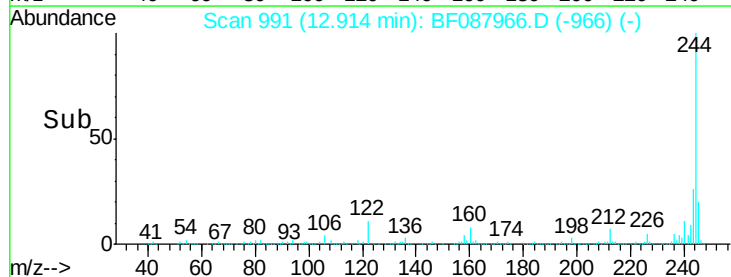
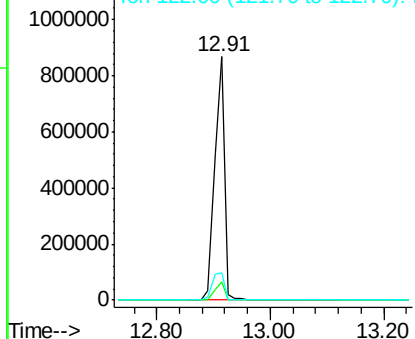


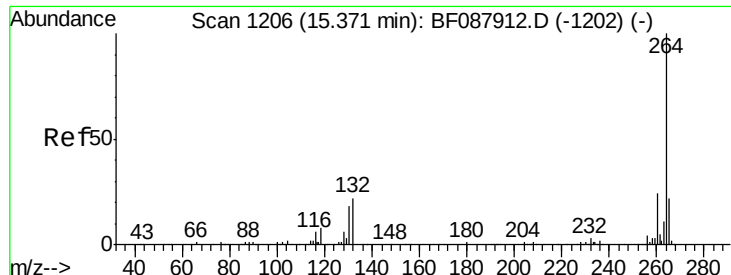
#78
Terphenyl-d14
Concen: 79.12 ng
RT: 12.91 min Scan# 991
Delta R.T. -0.01 min
Lab File: BF087966.D
Acq: 12 Jun 2016 23:55

Tgt Ion:244 Resp: 1007691
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 11.0 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: 15.37 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF087966.D
Acq: 12 Jun 2016 23:55

Instrument :
BNA_F
ClientSampleId :
STA-1037-(0-4)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.0	16.9	25.3

