

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088447.D
 Acq On : 27 Jun 2016 10:55
 Operator : UM/SJ
 Sample : H3694-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-54-062016

Quant Time: Jun 27 19:06:00 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	286620	20.00	ng	-0.15
21) Naphthalene-d8	7.83	136	310530	20.00	ng	-0.30
38) Acenaphthene-d10	9.56	164	142685	20.00	ng	-0.32
63) Phenanthrene-d10	11.05	188	289235	20.00	ng	-0.31
75) Chrysene-d12	13.68	240	249037	20.00	ng	-0.31
86) Perylene-d12	15.03	264	201755	20.00	ng	-0.37

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.14	112	546524	32.60	ng	-0.29
7) Phenol-d6	6.22	99	657017	32.34	ng	-0.26
23) Nitrobenzene-d5	7.12	82	457408	86.01	ng	-0.30
41) 2,4,6-Tribromophenol	10.36	330	178745	118.64	ng	-0.31
44) 2-Fluorobiphenyl	8.90	172	796953	87.93	ng	-0.31
78) Terphenyl-d14	12.64	244	764193	69.83	ng	-0.31

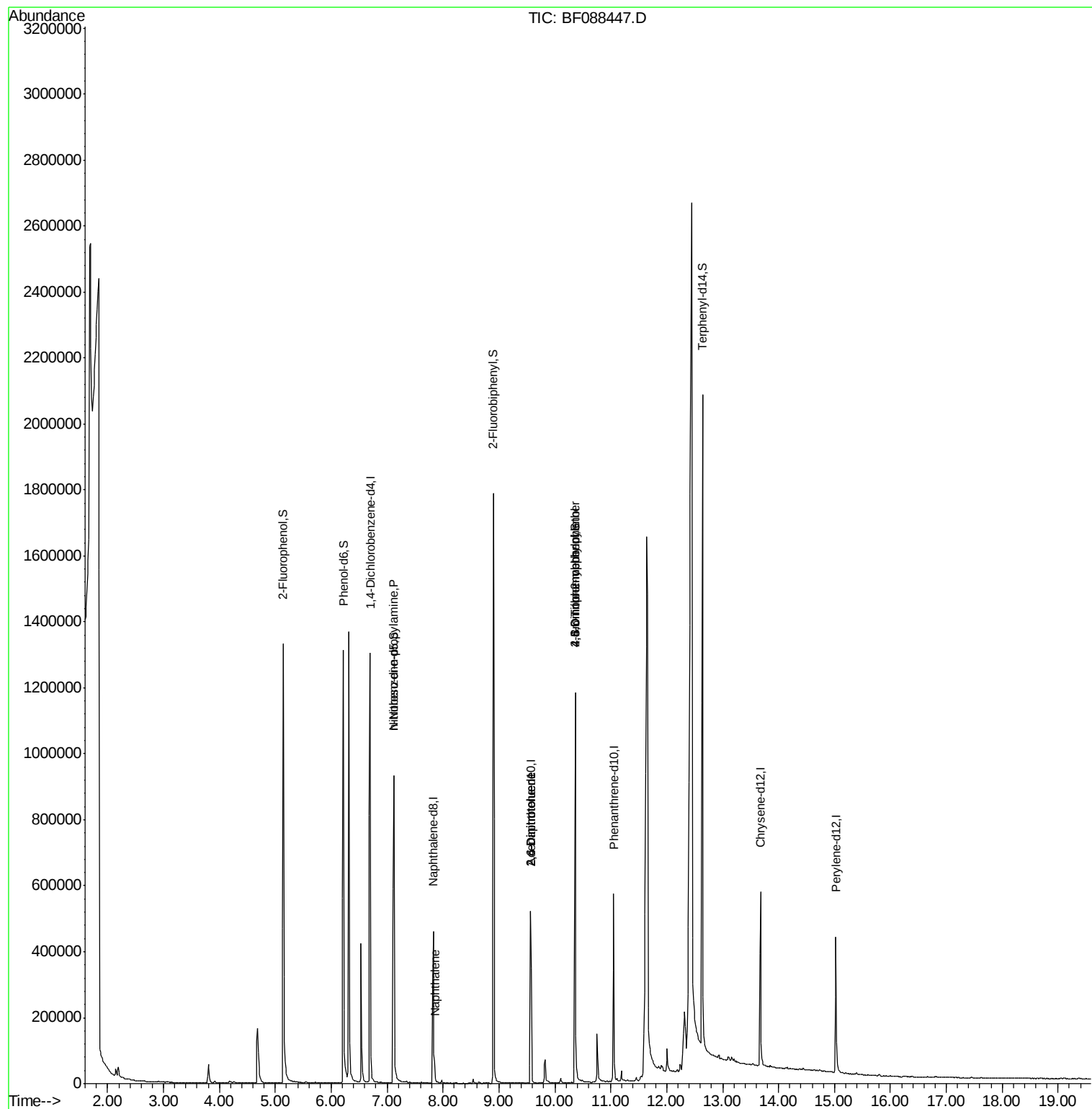
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.32	94	1071	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.12	70	58579	4.51	ng	67
31) Naphthalene	7.85	128	48024	3.13	ng	96
45) 1,1'-Biphenyl	9.00	154	289	Below Cal	#	43
50) 2,6-Dinitrotoluene	9.56	165	17970	7.59	ng	37
56) 2,4-Dinitrotoluene	9.56	165	17966	5.91	ng	36
57) Fluorene	10.11	166	512	Below Cal	#	81
64) 4,6-Dinitro-2-methylphenol	10.36	198	300	2.32	ng	2
66) 4-Bromophenyl-phenylether	10.36	248	8765	2.82	ng	1

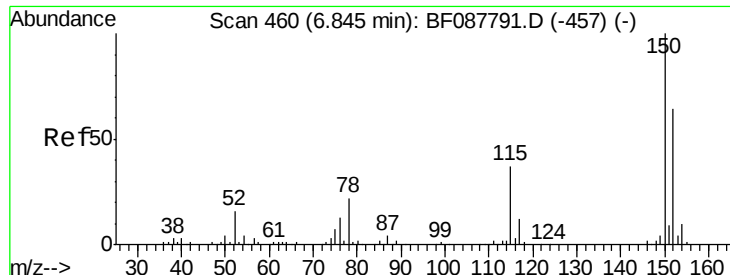
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. -0.15 min

Lab File: BF088447.D

Acq: 27 Jun 2016 10:55

Instrument :

BNA_F

ClientSampleId :

HSR-WC-54-062016

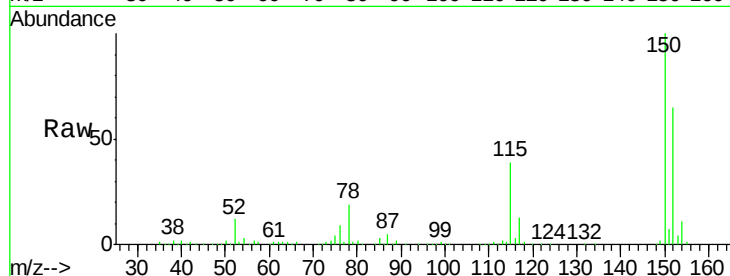
Tot Ion:152 Resp: 286620

Ion Ratio Lower Upper

152 100

150 154.5 123.8 185.6

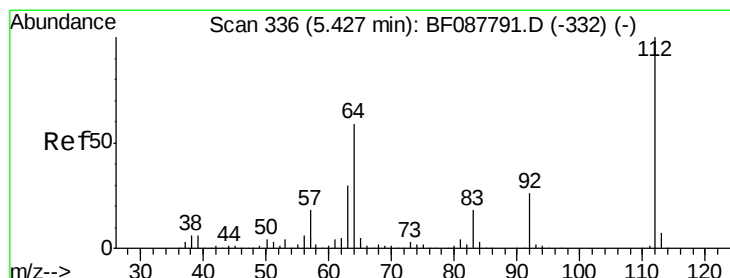
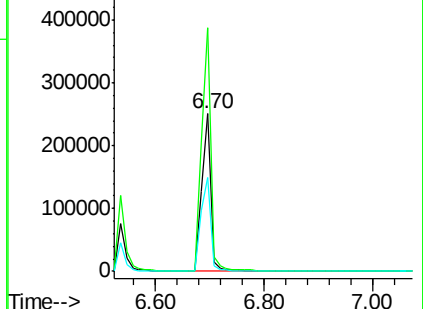
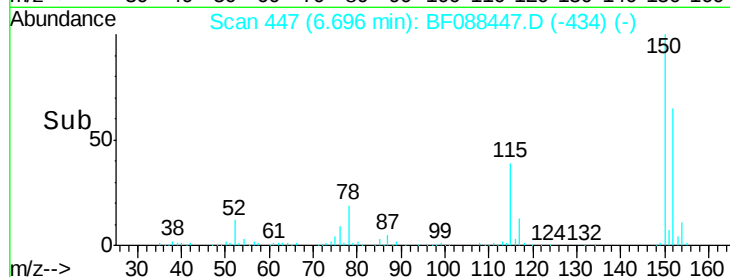
115 59.9 39.6 59.4#



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: 32.60 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.29 min

Lab File: BF088447.D

Acq: 27 Jun 2016 10:55

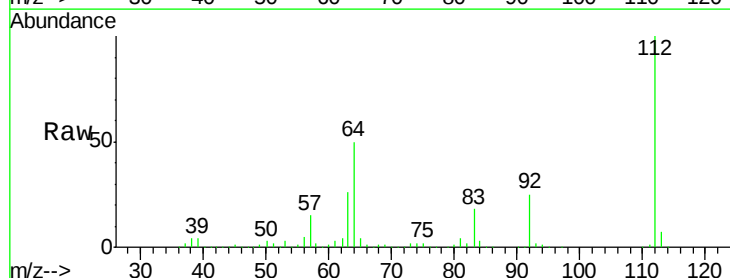
Tgt Ion:112 Resp: 546524

Ion Ratio Lower Upper

112 100

64 50.4 42.2 63.2

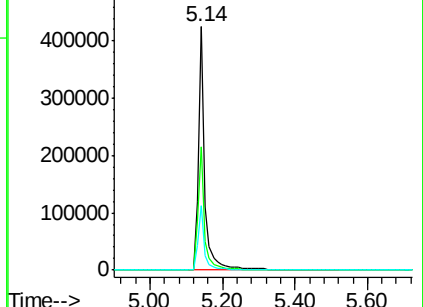
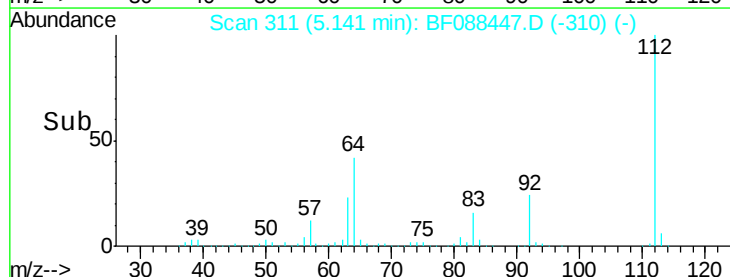
63 26.5 21.8 32.8

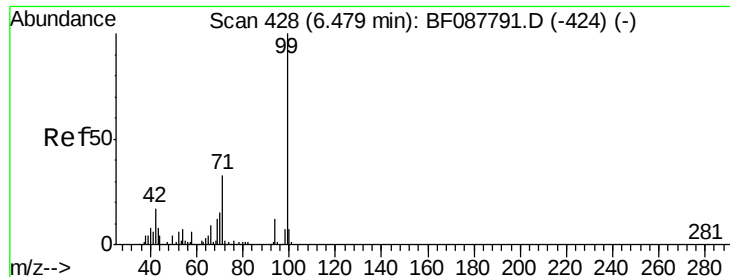


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.34 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.26 min

Lab File: BF088447.D

Acq: 27 Jun 2016 10:55

Instrument :

BNA_F

ClientSampleId :

HSR-WC-54-062016

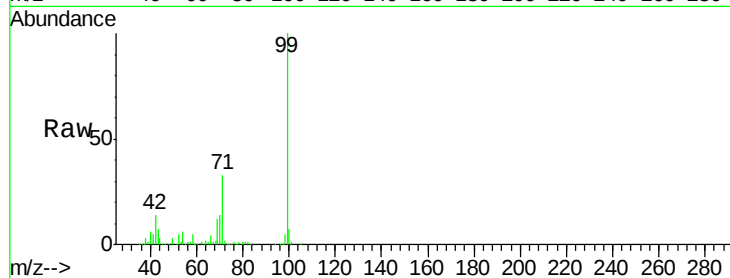
Tot Ion: 99 Resp: 657017

Ion Ratio Lower Upper

99 100

42 14.2 12.2 18.2

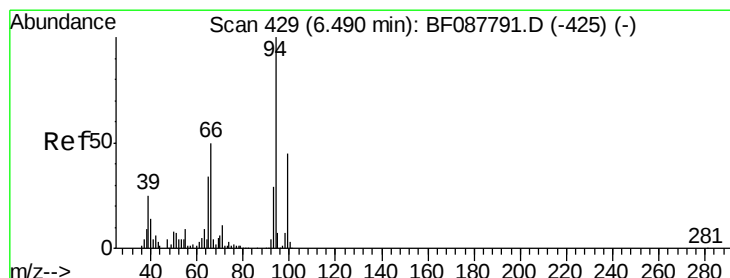
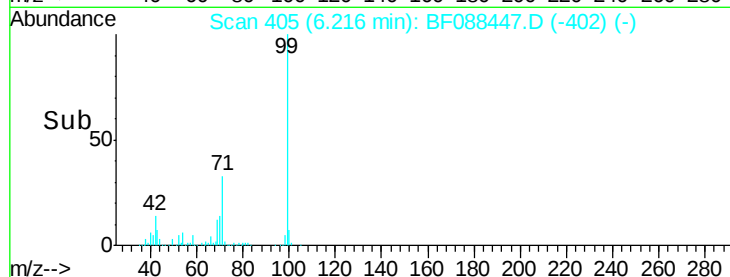
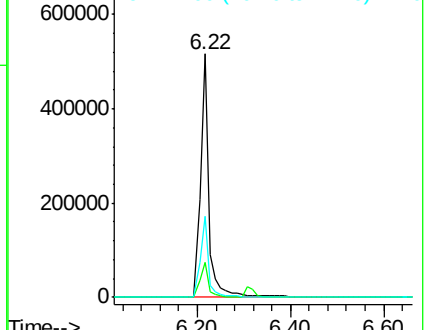
71 33.4 23.4 35.0



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: 6.32 min Scan# 414

Delta R.T. -0.17 min

Lab File: BF088447.D

Acq: 27 Jun 2016 10:55

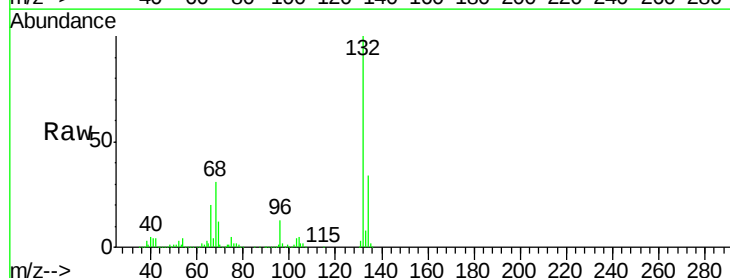
Tgt Ion: 94 Resp: 1071

Ion Ratio Lower Upper

94 100

65 918.0 5.9 45.9#

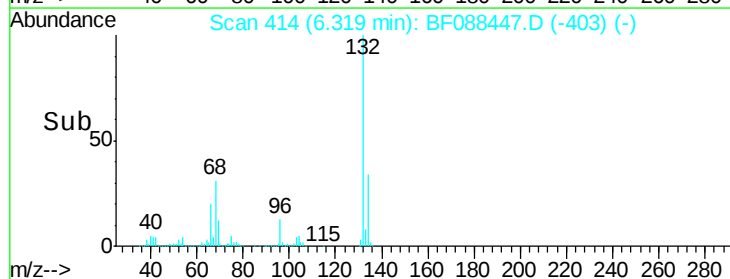
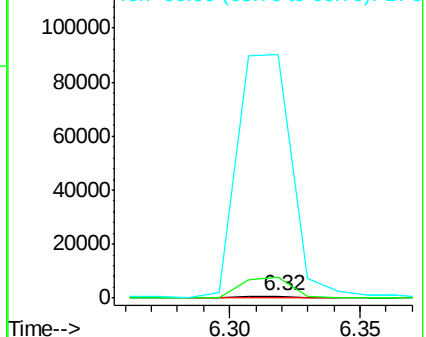
66 10752.8 14.0 54.0#

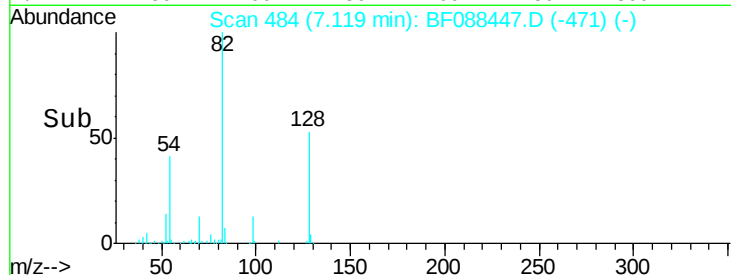
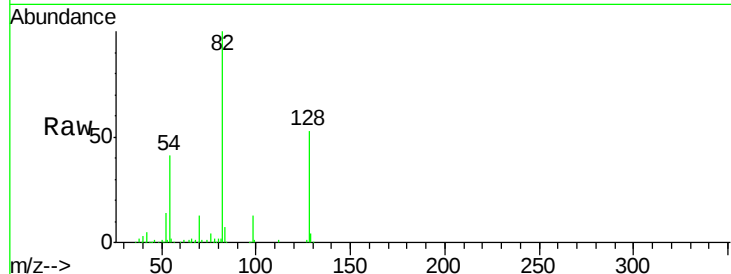
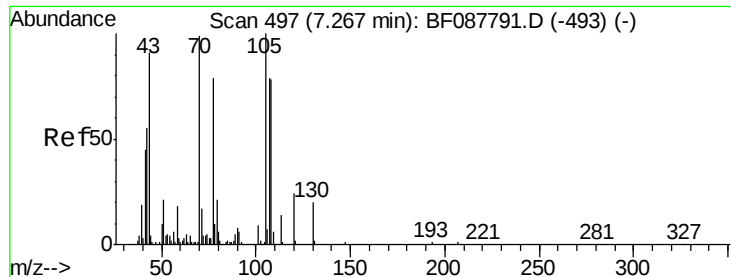


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

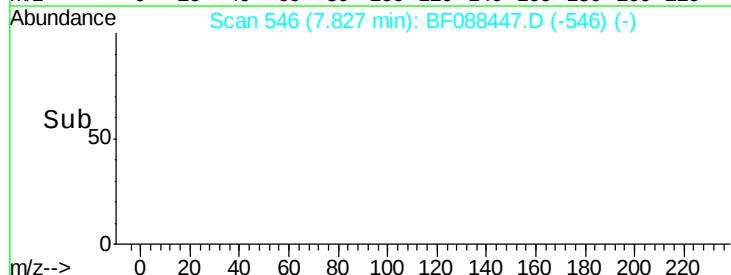
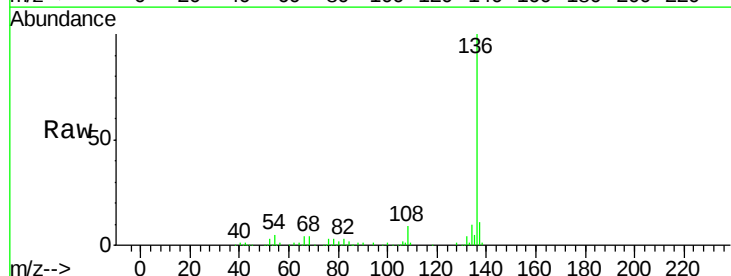
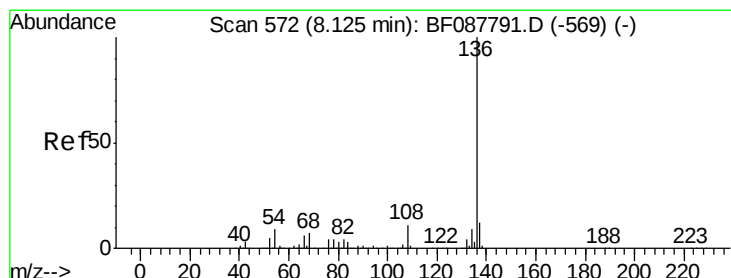
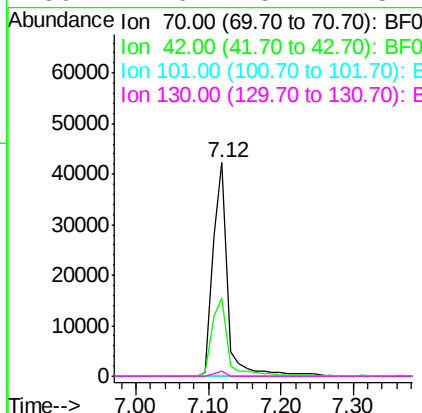




#19
n-Nitroso-di-n-propylamine
Concen: 4.51 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.15 min
Lab File: BF088447.D
Acq: 27 Jun 2016 10:55

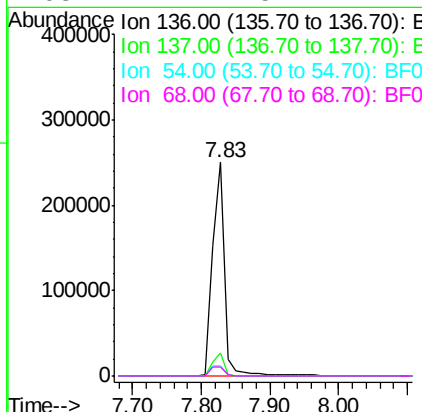
Instrument :
BNA_F
ClientSampleId :
HSR-WC-54-062016

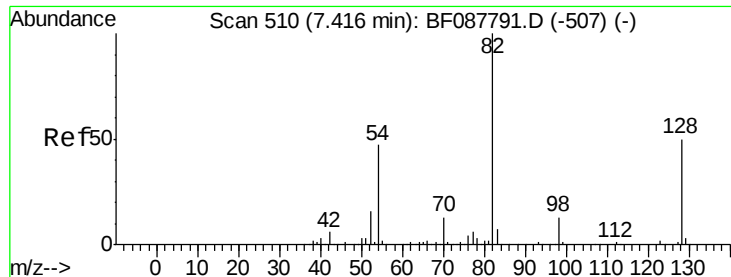
Tot Ion:	70	Resp:	58579
Ion	Ratio	Lower	Upper
70	100		
42	36.6	49.6	74.4#
101	0.0	7.1	10.7#
130	2.6	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.30 min
Lab File: BF088447.D
Acq: 27 Jun 2016 10:55

Tgt Ion:	136	Resp:	310530
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.0	6.6	10.0#
68	4.2	5.1	7.7#

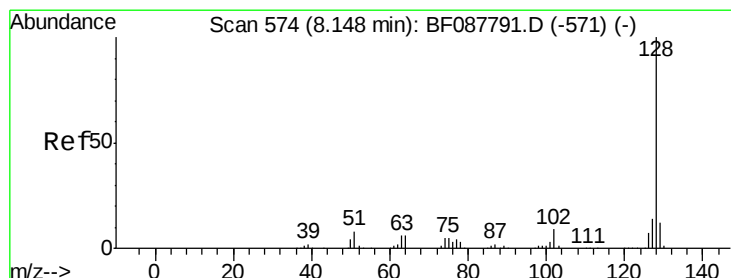
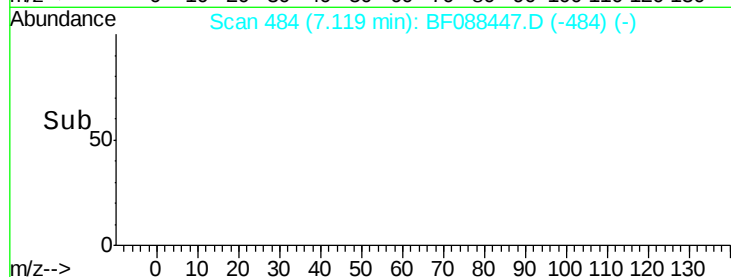
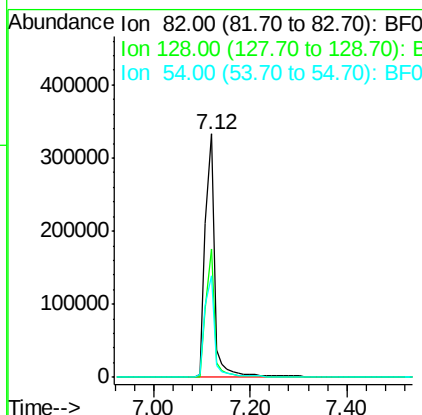
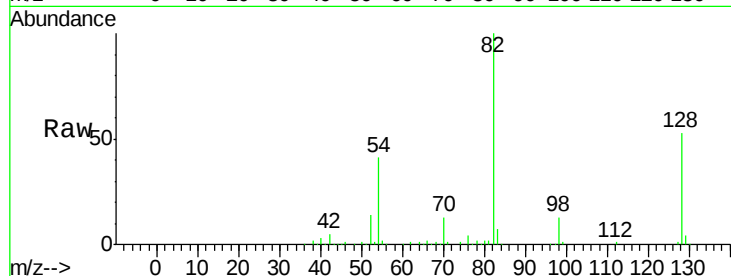




#23
 Nitrobenzene-d5
 Concen: 86.01 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.30 min
 Lab File: BF088447.D
 Acq: 27 Jun 2016 10:55

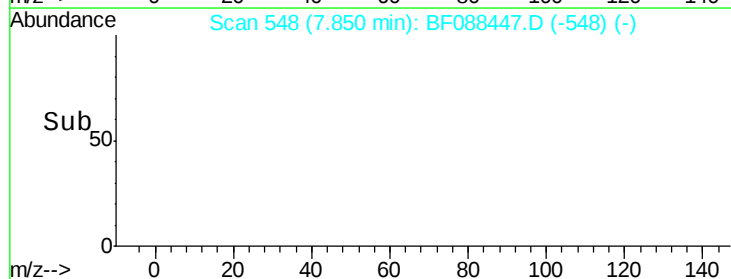
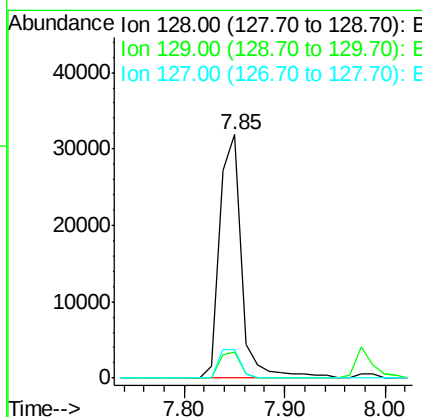
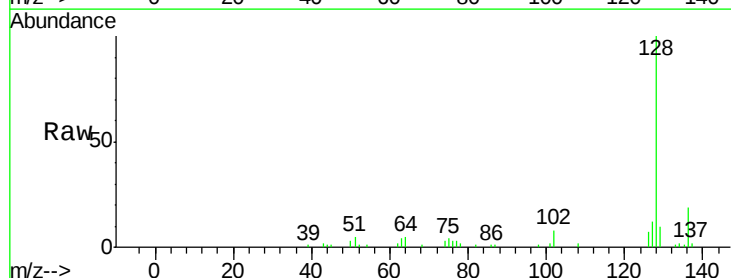
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-54-062016

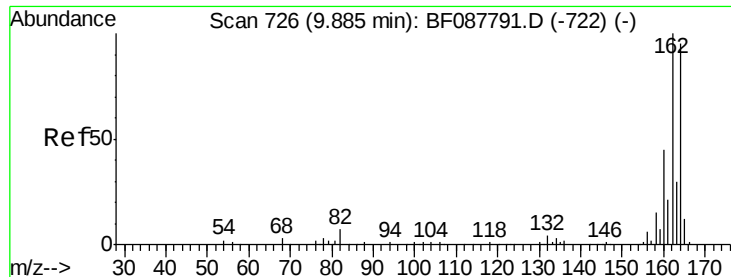
Tot Ion: 82 Resp: 457408
 Ion Ratio Lower Upper
 82 100
 128 53.0 35.9 53.9
 54 41.5 40.9 61.3



#31
 Naphthalene
 Concen: 3.13 ng
 RT: 7.85 min Scan# 548
 Delta R.T. -0.30 min
 Lab File: BF088447.D
 Acq: 27 Jun 2016 10:55

Tgt Ion: 128 Resp: 48024
 Ion Ratio Lower Upper
 128 100
 129 10.5 9.4 14.2
 127 11.8 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: BF088447.D

Acq: 27 Jun 2016 10:55

Instrument :

BNA_F

ClientSampleId :

HSR-WC-54-062016

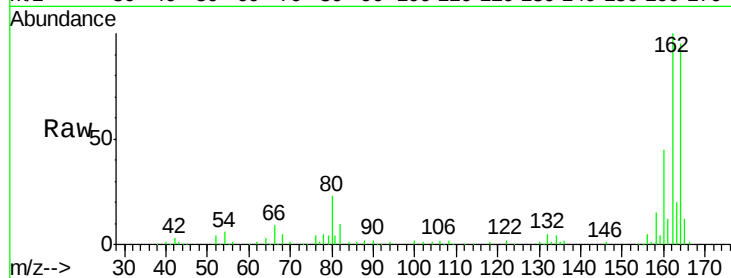
Tot Ion:164 Resp: 142685

Ion Ratio Lower Upper

164 100

162 105.3 85.4 128.2

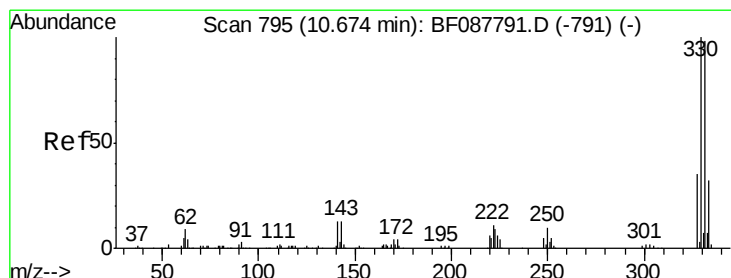
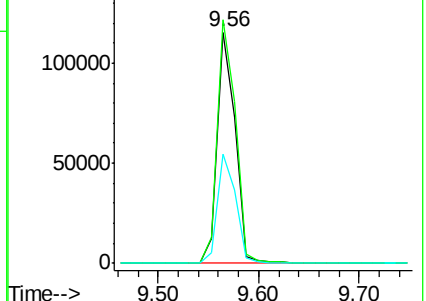
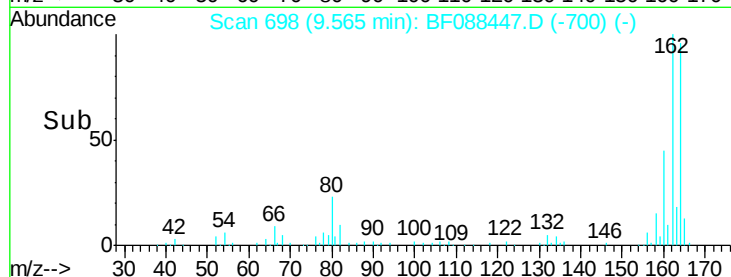
160 47.3 39.5 59.3



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: 118.64 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.31 min

Lab File: BF088447.D

Acq: 27 Jun 2016 10:55

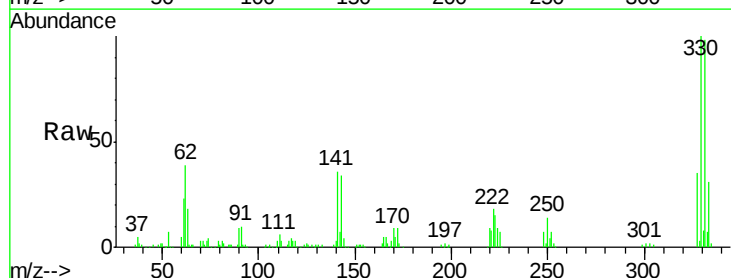
Tgt Ion:330 Resp: 178745

Ion Ratio Lower Upper

330 100

332 96.8 0.0 0.0#

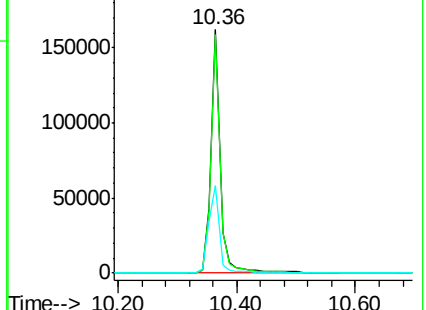
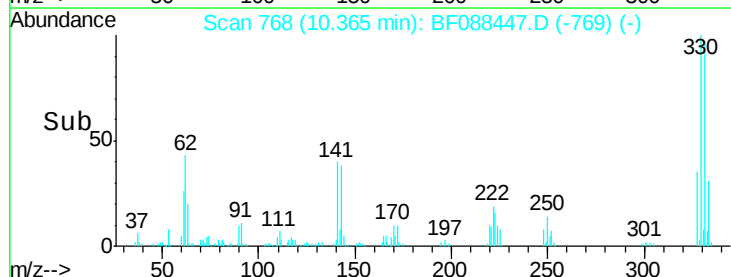
141 41.7 0.0 0.0#

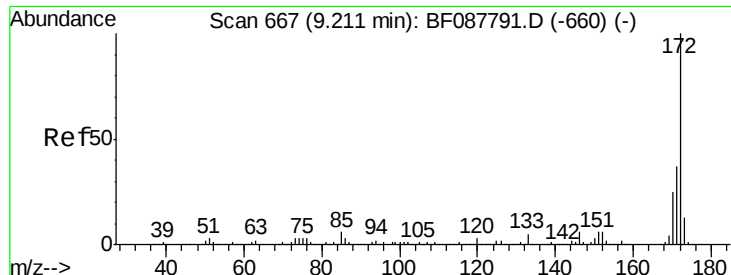


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

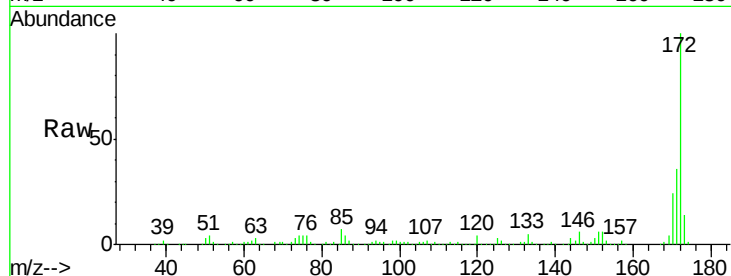




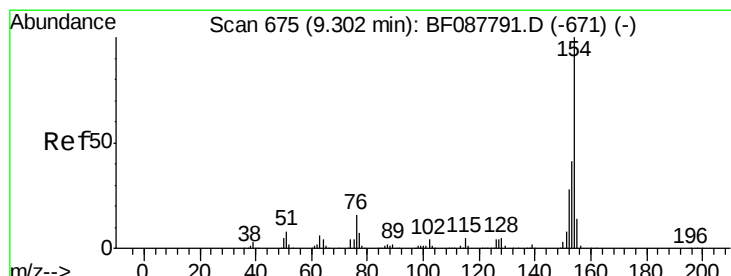
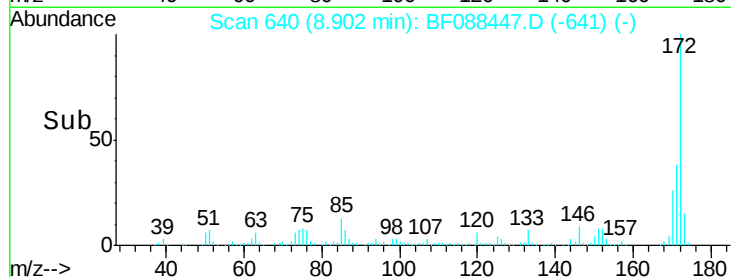
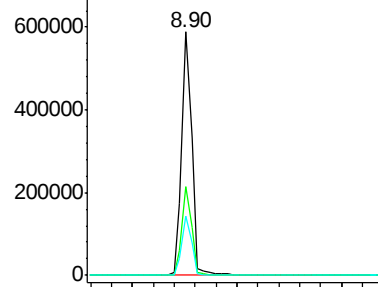
#44
2-Fluorobiphenyl
Concen: 87.93 ng
RT: 8.90 min Scan# 640
Delta R.T. -0.31 min
Lab File: BF088447.D
Acq: 27 Jun 2016 10:55

Instrument :
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Tot Ion:172 Resp: 796953
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 24.3 19.2 28.8

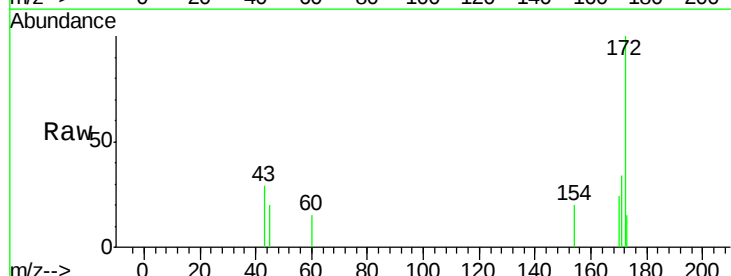


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

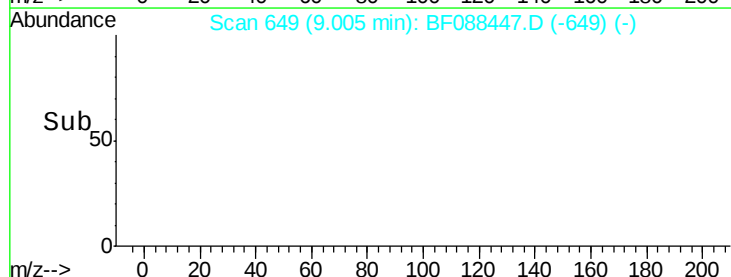
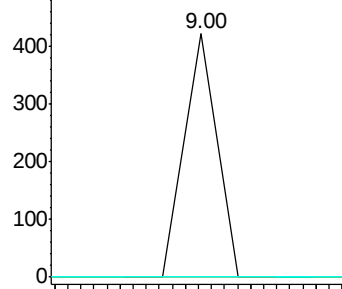


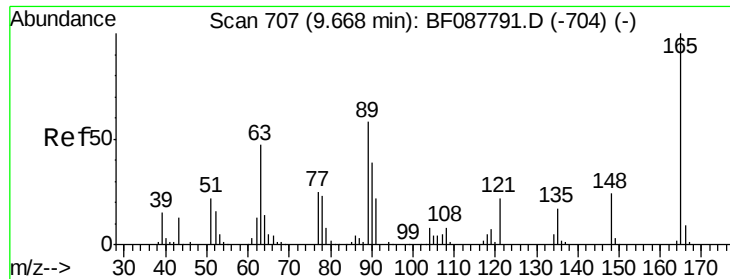
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.00 min Scan# 649
Delta R.T. -0.30 min
Lab File: BF088447.D
Acq: 27 Jun 2016 10:55

Tgt Ion:154 Resp: 289
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

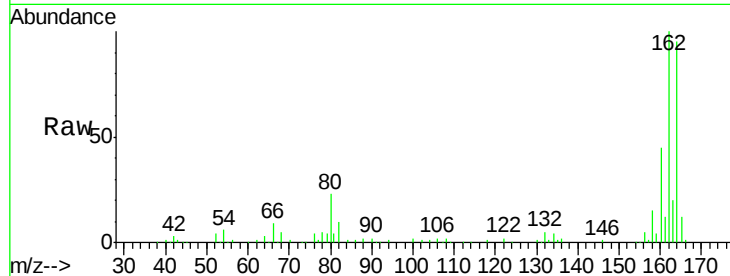




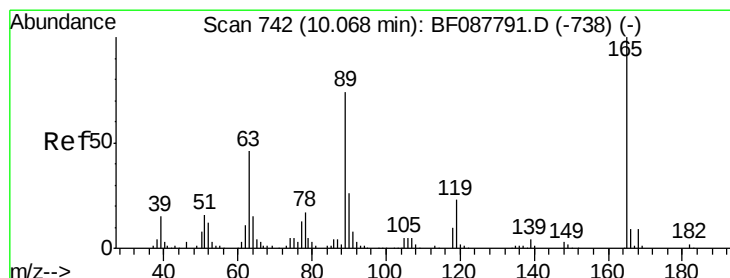
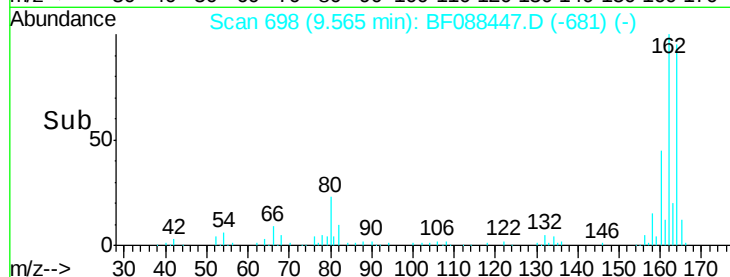
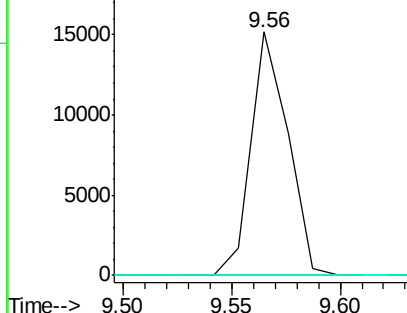
#50
2,6-Dinitrotoluene
Concen: 7.59 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.10 min
Lab File: BF088447.D
Acq: 27 Jun 2016 10:55

Instrument :
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HSR-WC-54-062016

Tot Ion:165 Resp: 17970
Ion Ratio Lower Upper
165 100
63 0.0 28.1 42.1#
89 0.0 32.2 48.2#

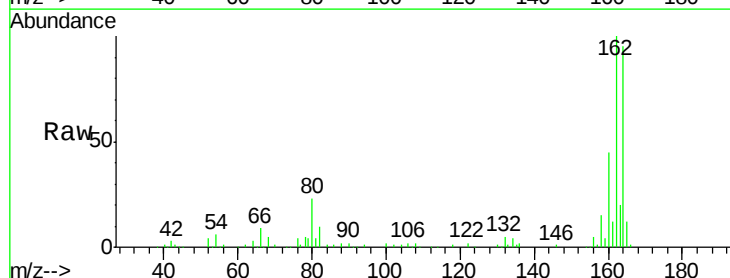


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

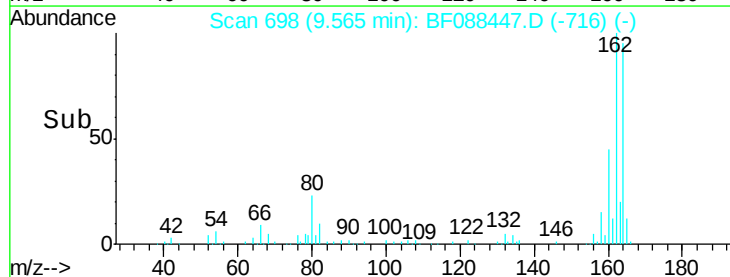
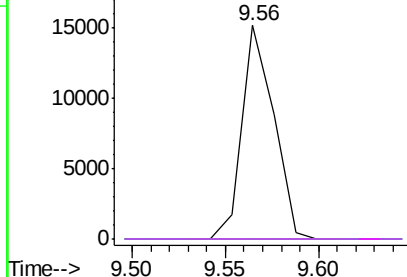


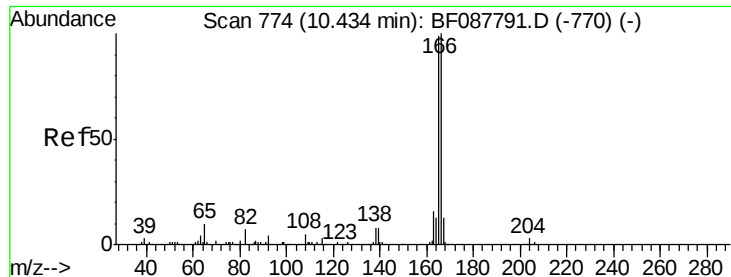
#56
2,4-Dinitrotoluene
Concen: 5.91 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.50 min
Lab File: BF088447.D
Acq: 27 Jun 2016 10:55

Tgt Ion:165 Resp: 17966
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

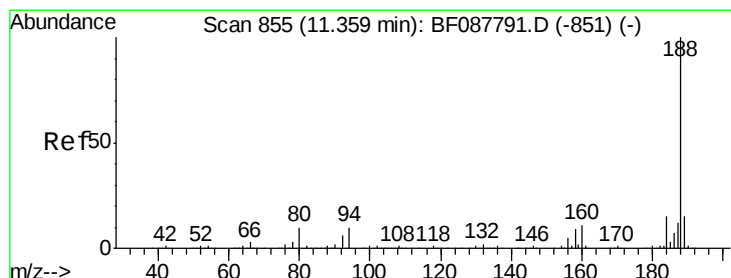
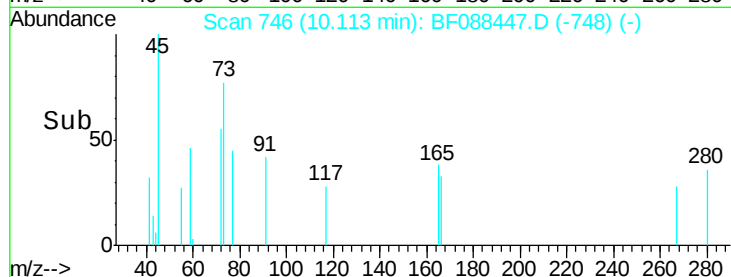
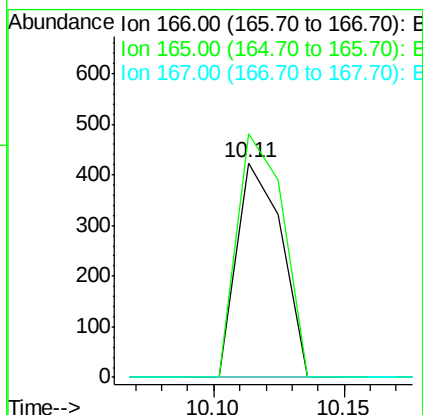
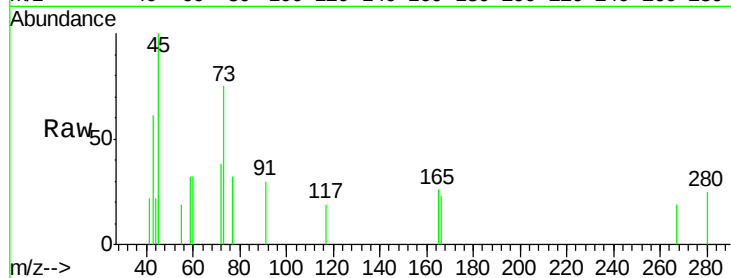




#57
 Fluorene
 Concen: Below Cal
 RT: 10.11 min Scan# 746
 Delta R.T. -0.32 min
 Lab File: BF088447.D
 Acq: 27 Jun 2016 10:55

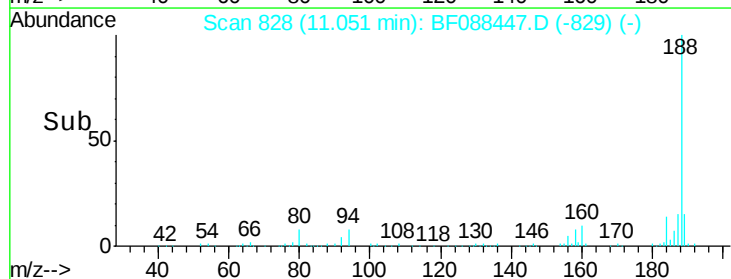
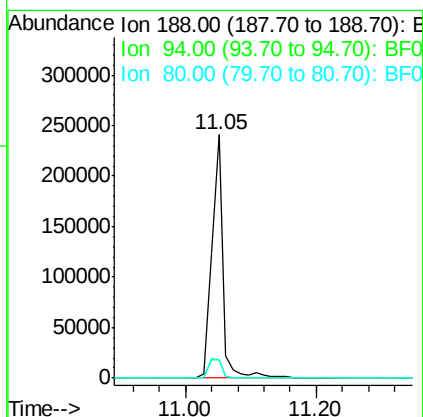
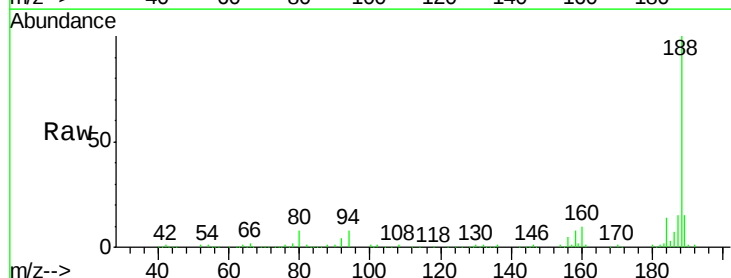
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-54-062016

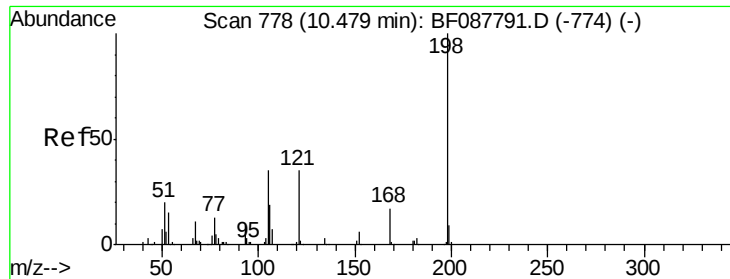
Tot Ion:166 Resp: 512
 Ion Ratio Lower Upper
 166 100
 165 113.4 77.8 116.8
 167 0.0 11.2 16.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.05 min Scan# 828
 Delta R.T. -0.31 min
 Lab File: BF088447.D
 Acq: 27 Jun 2016 10:55

Tgt Ion:188 Resp: 289235
 Ion Ratio Lower Upper
 188 100
 94 7.5 9.0 13.6#
 80 7.7 10.0 15.0#





#64

4,6-Dinitro-2-methylphenol

Concen: 2.32 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.11 min

Lab File: BF088447.D

Acq: 27 Jun 2016 10:55

Instrument :

BNA_F

ClientSampleId :

HSR-WC-54-062016

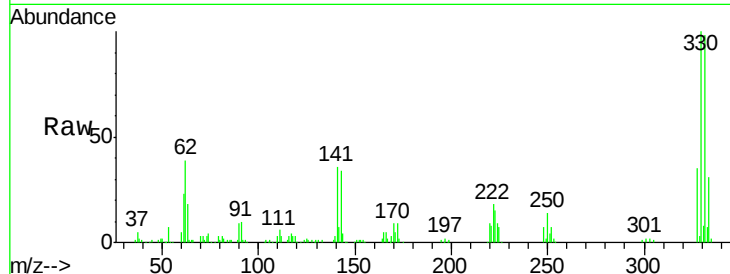
Tot Ion:198 Resp: 300

Ion Ratio Lower Upper

198 100

51 98.9 39.6 79.6#

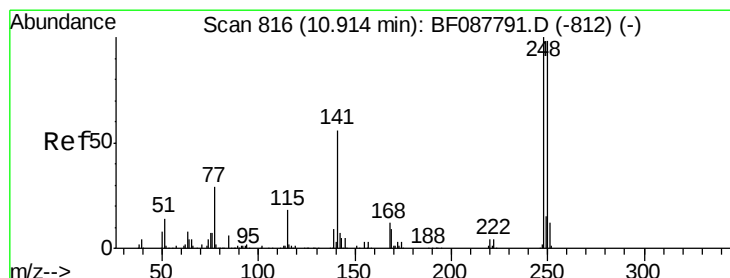
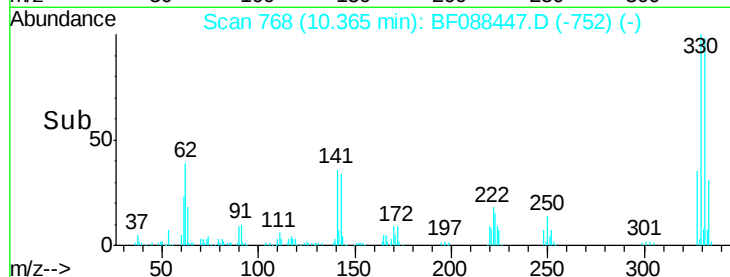
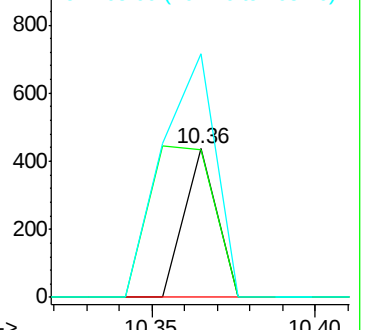
105 163.6 36.6 76.6#



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: 2.82 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.55 min

Lab File: BF088447.D

Acq: 27 Jun 2016 10:55

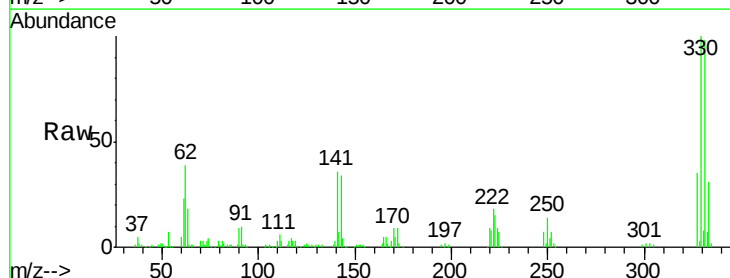
Tgt Ion:248 Resp: 8765

Ion Ratio Lower Upper

248 100

250 194.3 77.1 115.7#

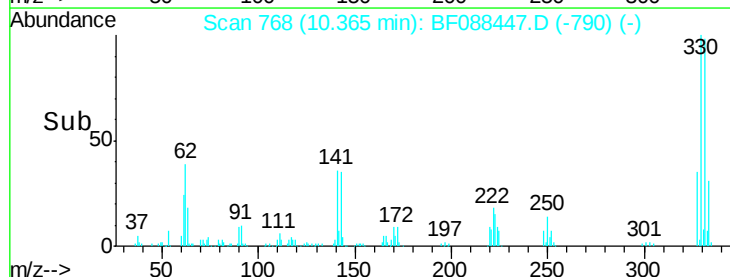
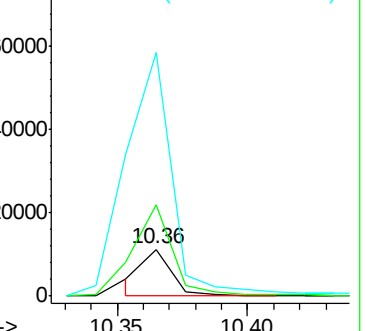
141 520.0 50.6 76.0#

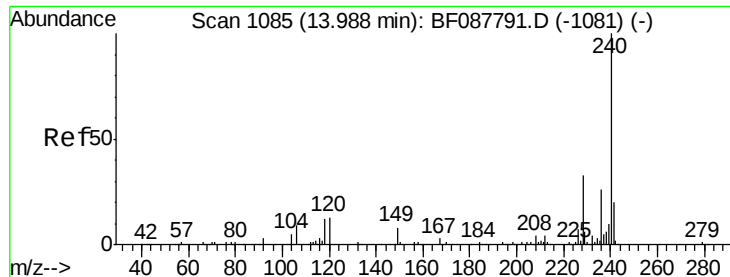


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.68 min Scan# 1058

Delta R.T. -0.31 min

Lab File: BF088447.D

Acq: 27 Jun 2016 10:55

Instrument :

BNA_F

ClientSampleId :

HSR-WC-54-062016

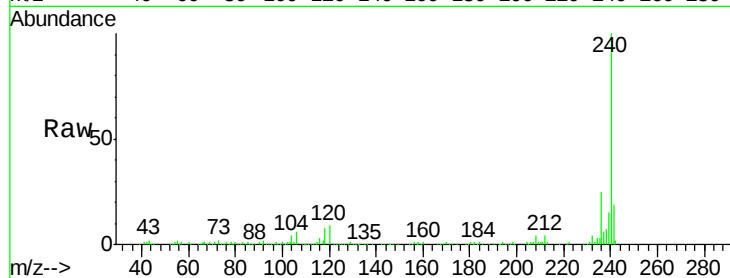
Tot Ion:240 Resp: 249037

Ion Ratio Lower Upper

240 100

120 9.2 6.8 10.2

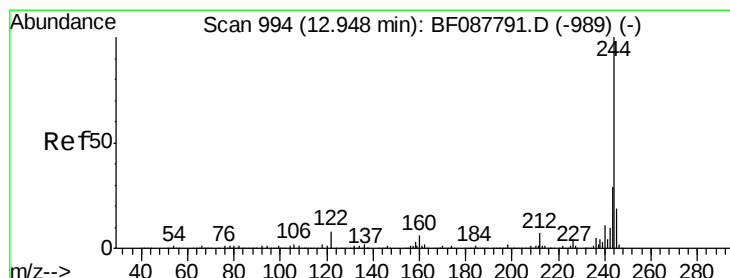
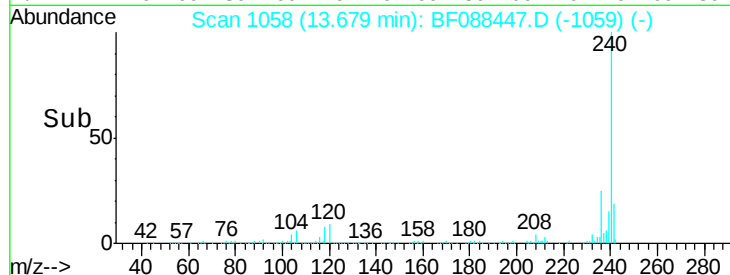
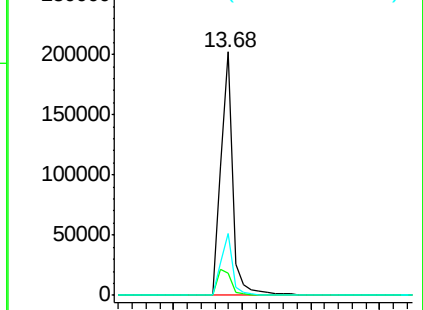
236 25.5 20.2 30.2



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: 69.83 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.31 min

Lab File: BF088447.D

Acq: 27 Jun 2016 10:55

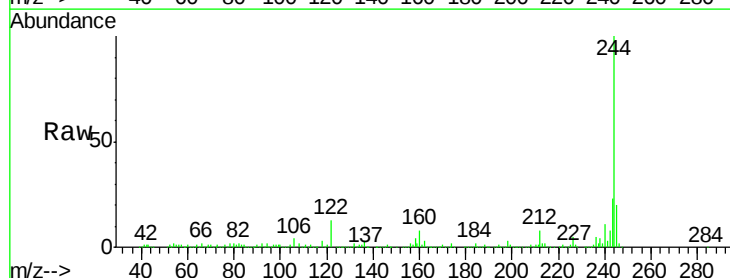
Tgt Ion:244 Resp: 764193

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

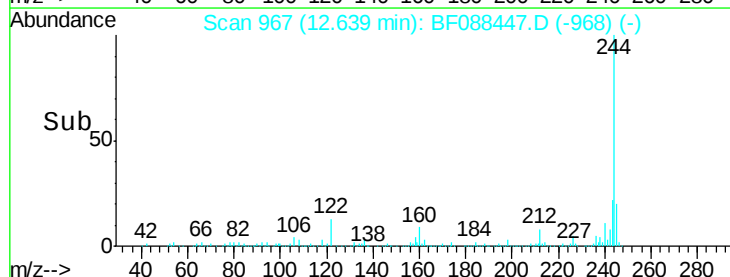
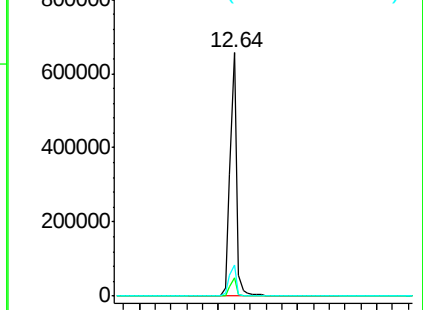
122 12.8 11.2 16.8

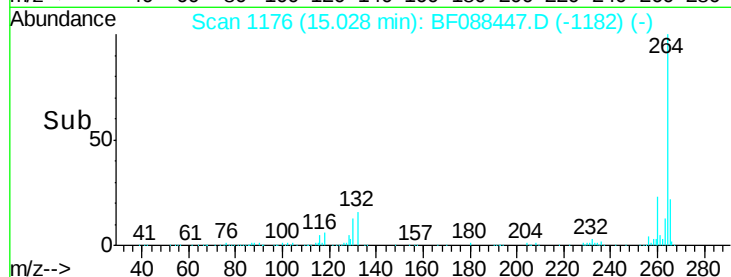
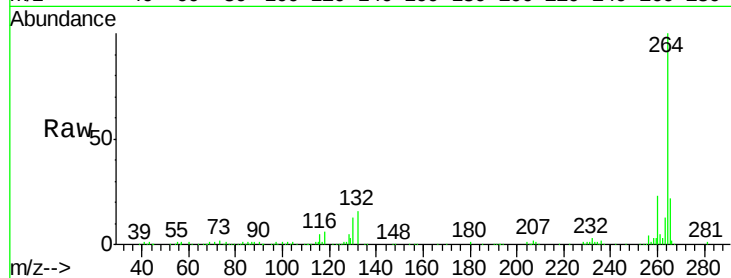
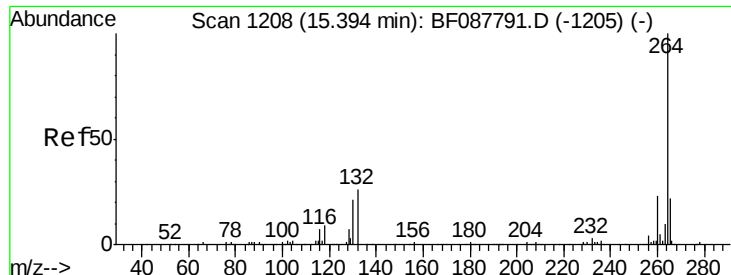


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.03 min Scan# 1176
 Delta R.T. -0.37 min
 Lab File: BF088447.D
 Acq: 27 Jun 2016 10:55

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-54-062016

Tot Ion:264	Resp:	201755
Ion	Ratio	Lower Upper
264	100	
260	23.5	19.2 28.8
265	21.9	16.9 25.3

