

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088444.D
 Acq On : 27 Jun 2016 8:27
 Operator : UM/SJ
 Sample : H3698-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 27 19:05:20 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

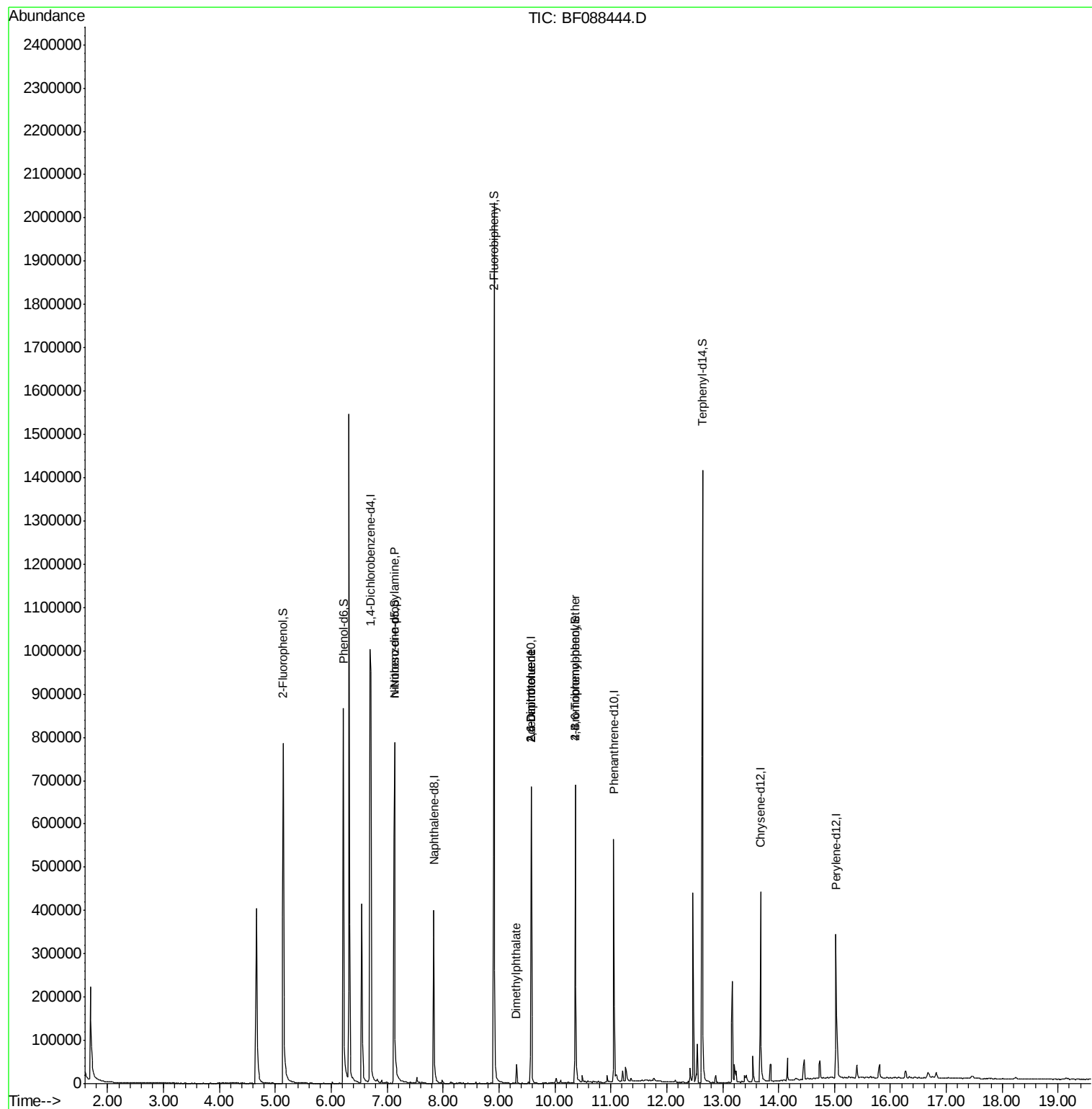
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	273636	20.00	ng	-0.14
21) Naphthalene-d8	7.84	136	310924	20.00	ng	-0.29
38) Acenaphthene-d10	9.58	164	139209	20.00	ng	-0.31
63) Phenanthrene-d10	11.05	188	238604	20.00	ng	-0.31
75) Chrysene-d12	13.68	240	173483	20.00	ng	-0.31
86) Perylene-d12	15.03	264	145913	20.00	ng	-0.37
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	368961	23.05	ng	-0.29
7) Phenol-d6	6.22	99	381596	19.67	ng	-0.26
23) Nitrobenzene-d5	7.13	82	416915	78.30	ng	-0.29
41) 2,4,6-Tribromophenol	10.36	330	92927	63.22	ng	-0.31
44) 2-Fluorobiphenyl	8.91	172	704618	79.13	ng	-0.30
78) Terphenyl-d14	12.64	244	555628	72.88	ng	-0.31
Target Compounds						
10) Phenol	6.32	94	678	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.13	70	53209	4.29 ng	#	67
45) 1,1'-Biphenyl	8.91	154	1366	Below Cal	#	1
49) Dimethylphthalate	9.31	163	20438	2.03 ng		100
50) 2,6-Dinitrotoluene	9.58	165	17540	7.60 ng	#	37
56) 2,4-Dinitrotoluene	9.58	165	17537	5.91 ng	#	36
66) 4-Bromophenyl-phenylether	10.36	248	5583	2.18 ng	#	1

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

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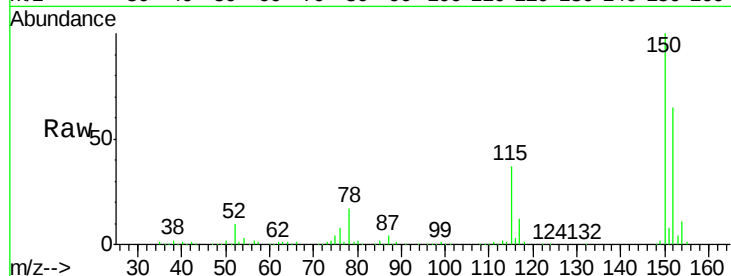


#1

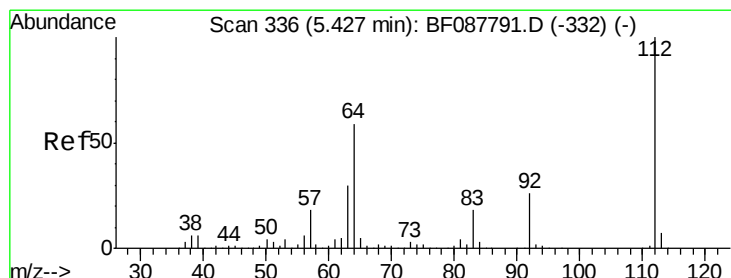
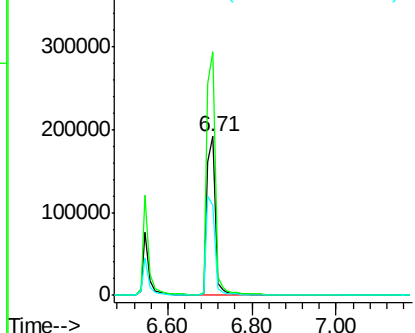
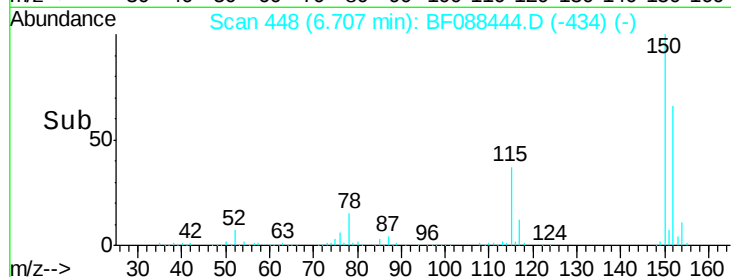
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 448
Delta R.T. -0.14 min
Lab File: BF088444.D
Acq: 27 Jun 2016 8:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	123.8	185.6
115	56.8	39.6	59.4



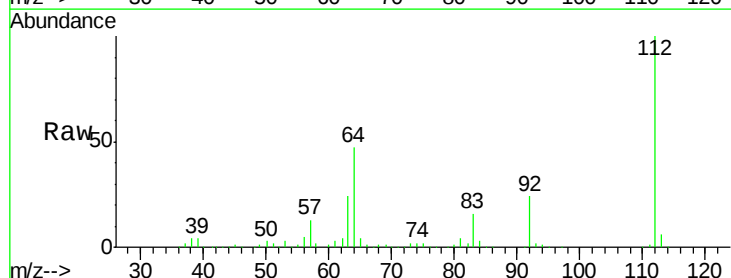
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



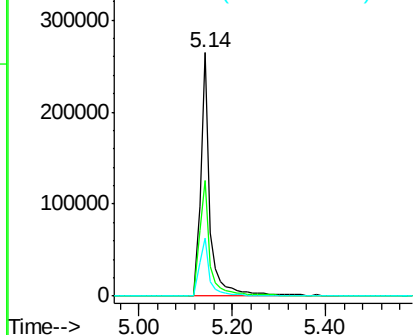
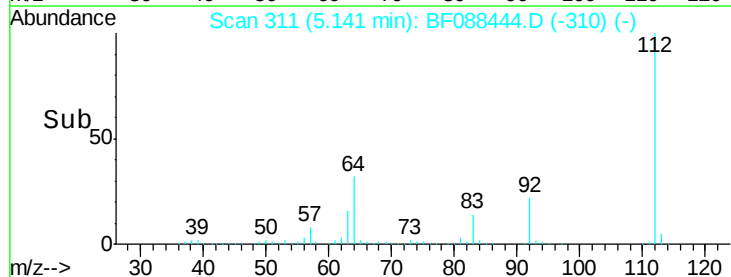
#5

2-Fluorophenol
Concen: 23.05 ng
RT: 5.14 min Scan# 311
Delta R.T. -0.29 min
Lab File: BF088444.D
Acq: 27 Jun 2016 8:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.4	42.2	63.2
63	24.0	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: 19.67 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.26 min

Lab File: BF088444.D

Acq: 27 Jun 2016 8:27

Instrument :

BNA_F

ClientSampleId :

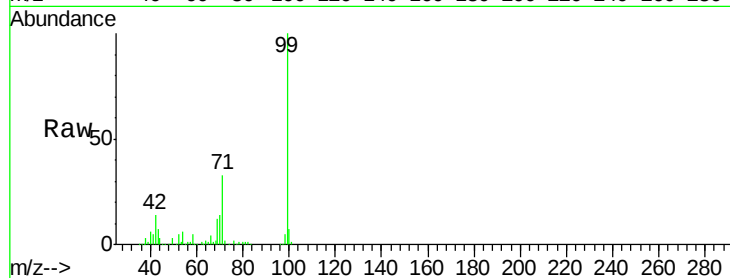
Tot Ion: 99 Resp: 381596

Ion Ratio Lower Upper

99 100

42 14.3 12.2 18.2

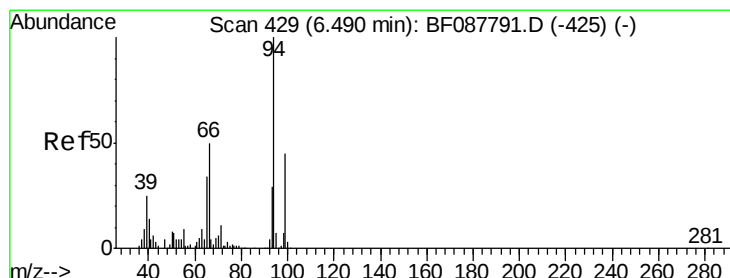
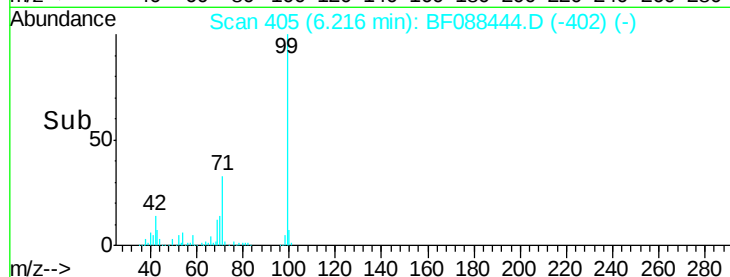
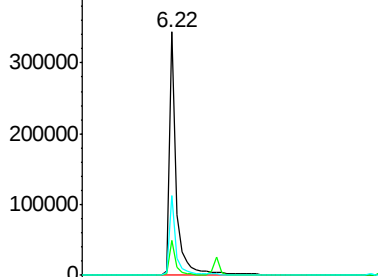
71 32.9 23.4 35.0



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: BF088444.D

Acq: 27 Jun 2016 8:27

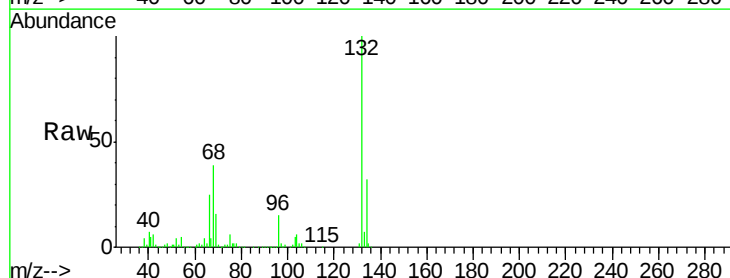
Tgt Ion: 94 Resp: 678

Ion Ratio Lower Upper

94 100

65 941.2 5.9 45.9#

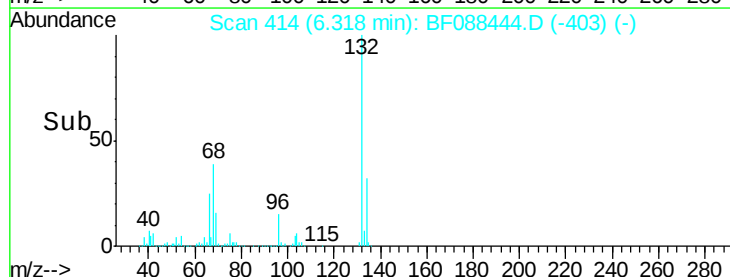
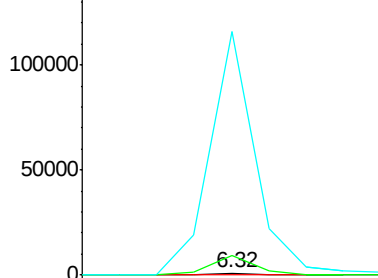
66 11725.5 14.0 54.0#

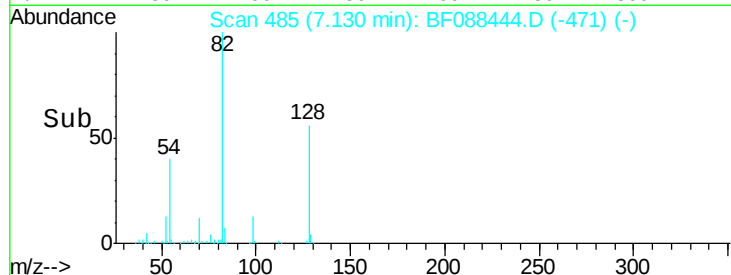
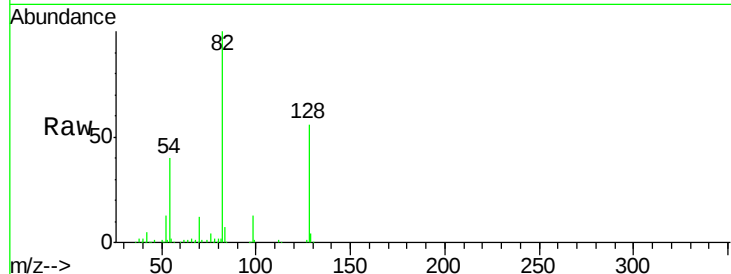


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

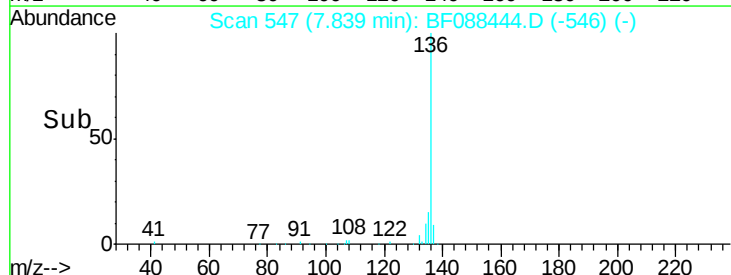
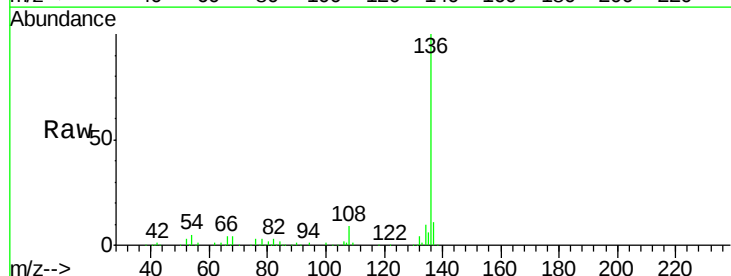
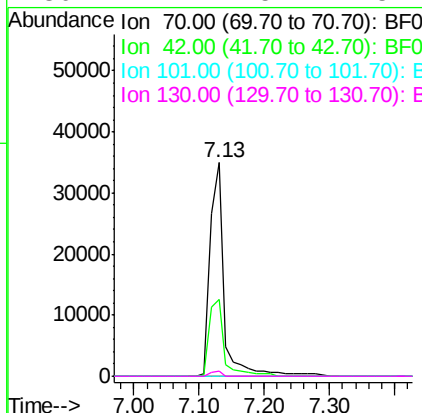




#19
n-Nitroso-di-n-propylamine
Concen: 4.29 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.14 min
Lab File: BF088444.D
Acq: 27 Jun 2016 8:27

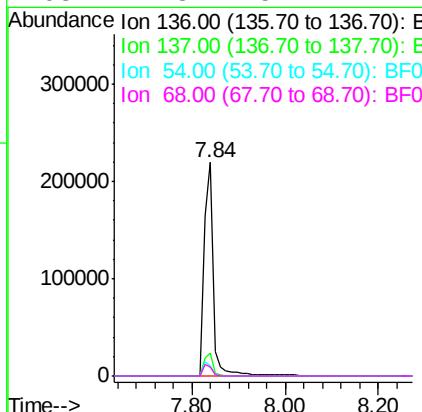
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
70	100		
42	36.2	49.6	74.4#
101	0.0	7.1	10.7#
130	2.7	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.29 min
Lab File: BF088444.D
Acq: 27 Jun 2016 8:27

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	4.7	6.6	10.0#
68	4.3	5.1	7.7#

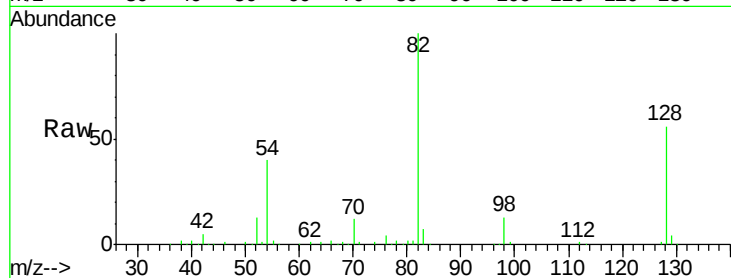




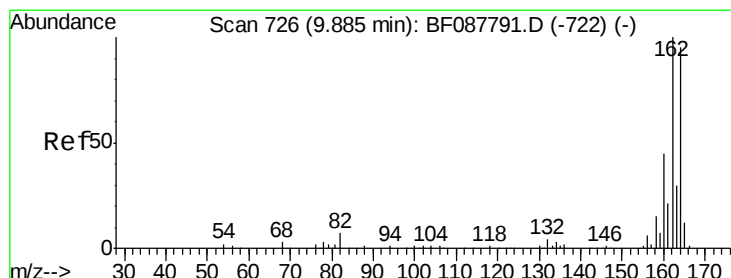
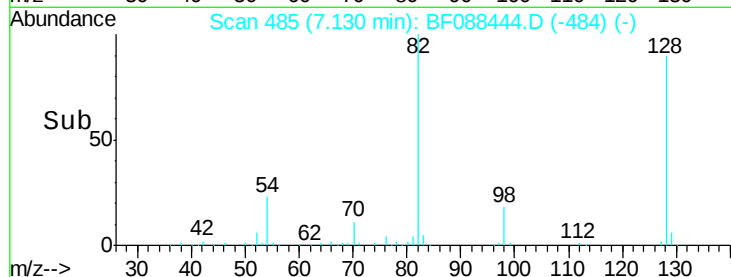
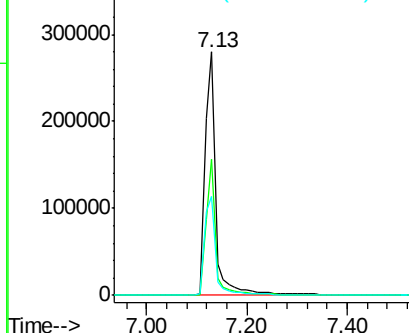
#23
 Nitrobenzene-d5
 Concen: 78.30 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.29 min
 Lab File: BF088444.D
 Acq: 27 Jun 2016 8:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	416915
Ion Ratio	Lower	Upper	
82	100		
128	55.7	35.9	53.9#
54	40.4	40.9	61.3#

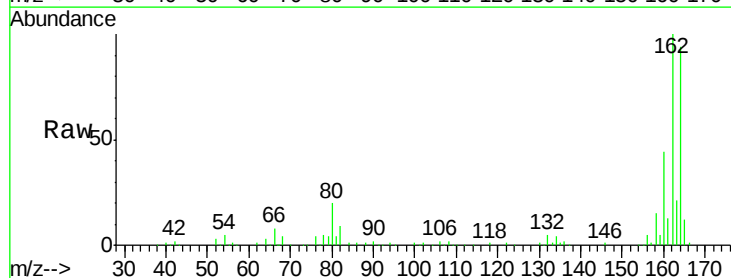


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

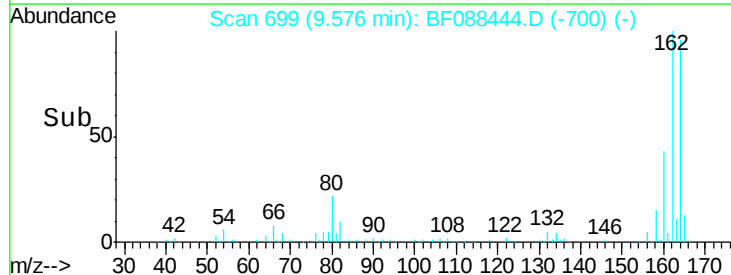
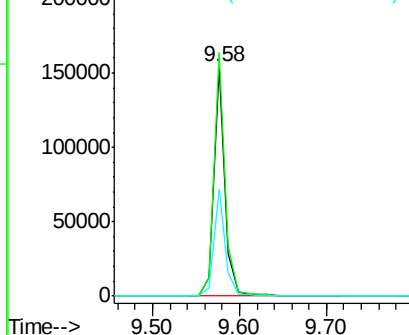


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.31 min
 Lab File: BF088444.D
 Acq: 27 Jun 2016 8:27

Tgt Ion	164	Resp	139209
Ion Ratio	Lower	Upper	
164	100		
162	106.5	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

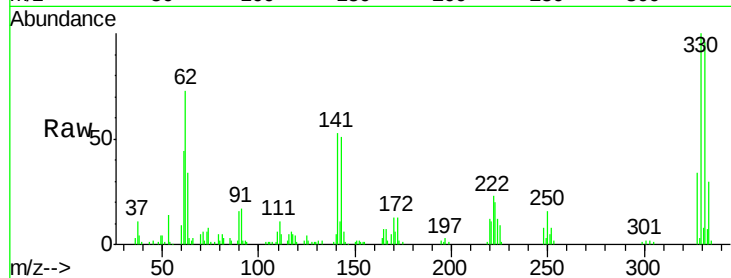




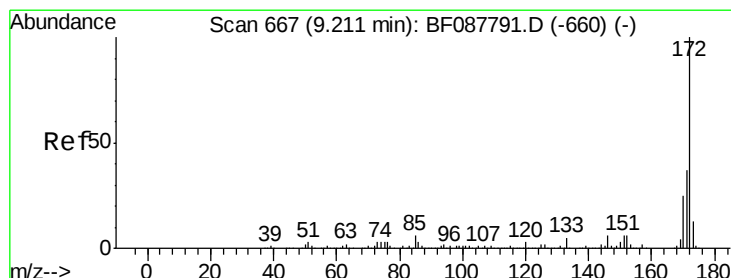
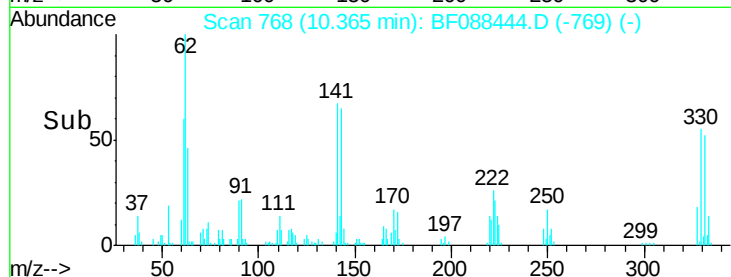
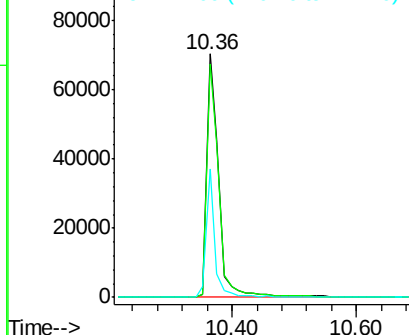
#41
 2,4,6-Tribromophenol
 Concen: 63.22 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.31 min
 Lab File: BF088444.D
 Acq: 27 Jun 2016 8:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 92927
 Ion Ratio Lower Upper
 330 100
 332 96.3 0.0 0.0#
 141 39.1 0.0 0.0#

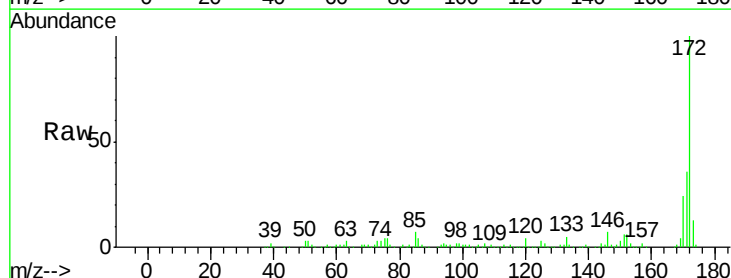


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

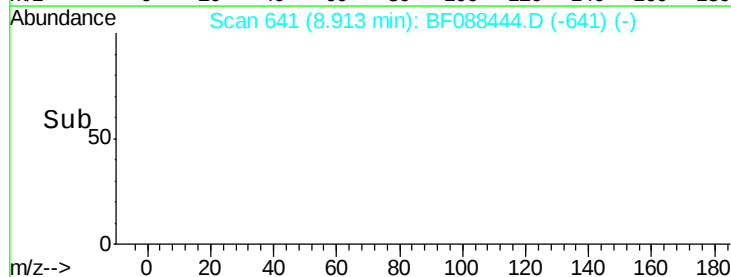
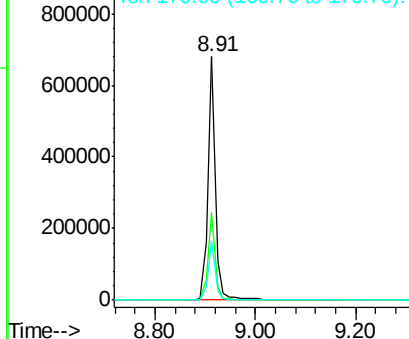


#44
 2-Fluorobiphenyl
 Concen: 79.13 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.30 min
 Lab File: BF088444.D
 Acq: 27 Jun 2016 8:27

Tgt Ion:172 Resp: 704618
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 24.3 19.2 28.8



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

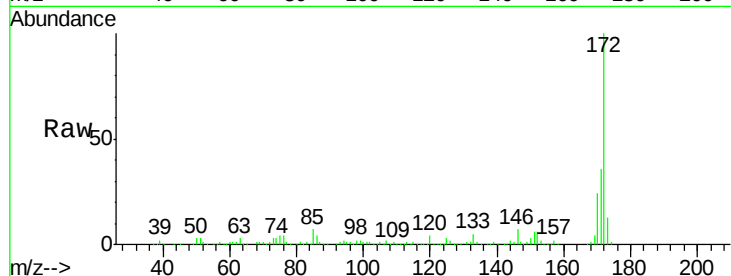




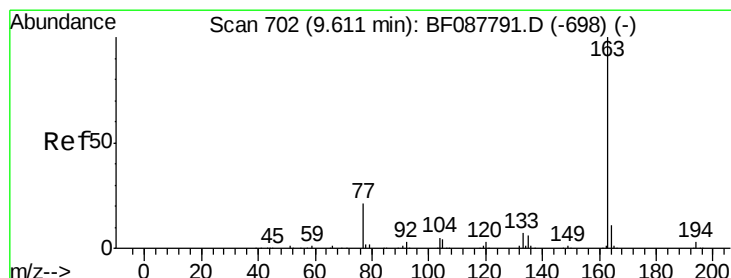
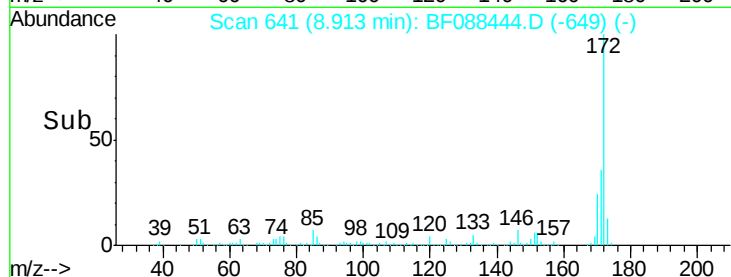
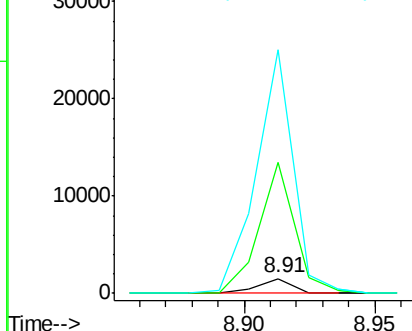
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 8.91 min Scan# 641
 Delta R.T. -0.39 min
 Lab File: BF088444.D
 Acq: 27 Jun 2016 8:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:154 Resp: 1366
 Ion Ratio Lower Upper
 154 100
 153 871.1 20.6 60.6#
 76 1613.9 0.0 35.1#

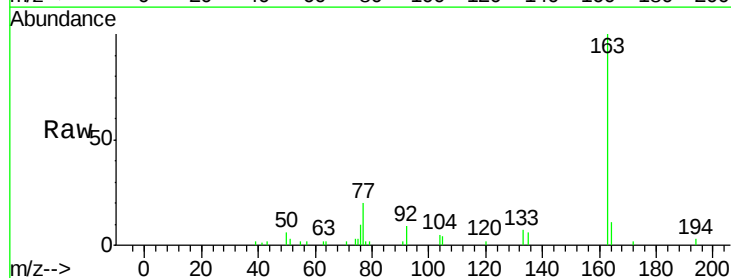


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

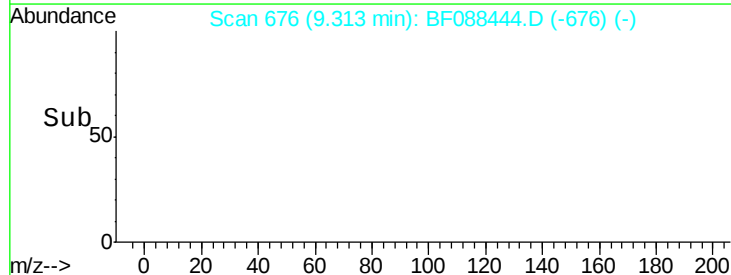
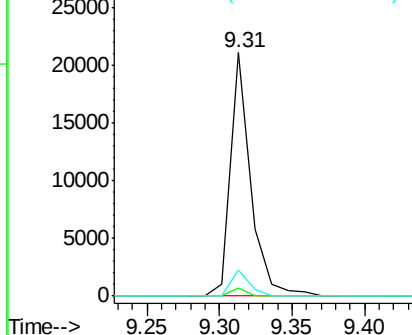


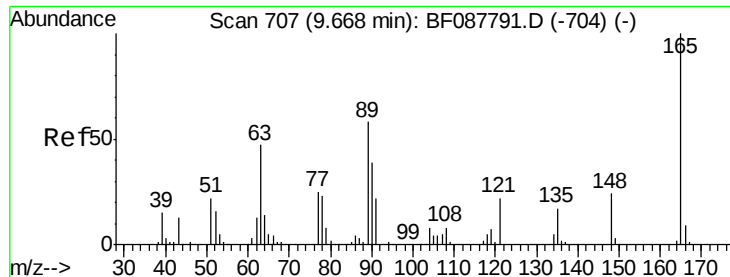
#49
 Dimethylphthalate
 Concen: 2.03 ng
 RT: 9.31 min Scan# 676
 Delta R.T. -0.30 min
 Lab File: BF088444.D
 Acq: 27 Jun 2016 8:27

Tgt Ion:163 Resp: 20438
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.8 4.2
 164 10.5 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

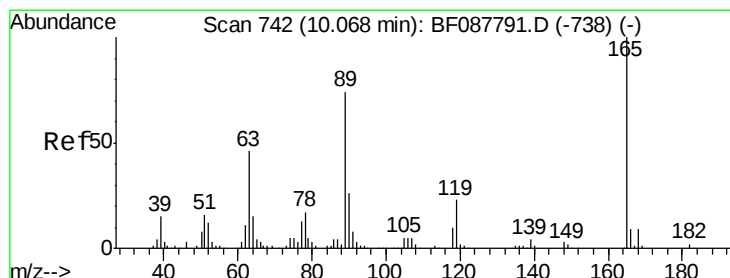
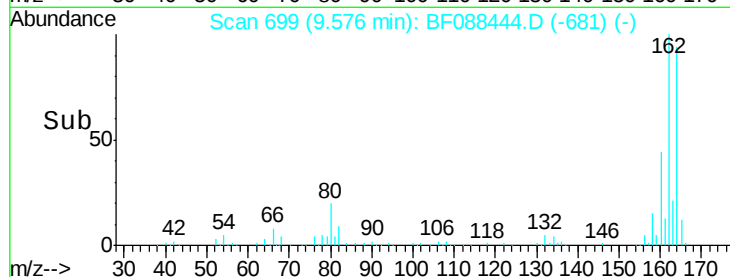
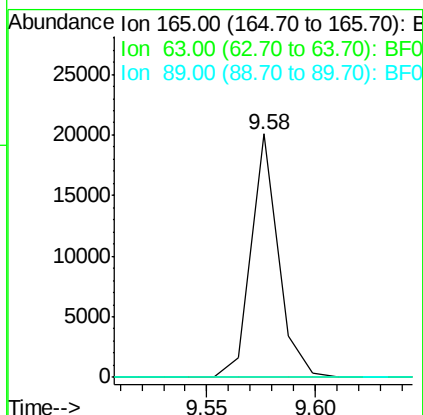
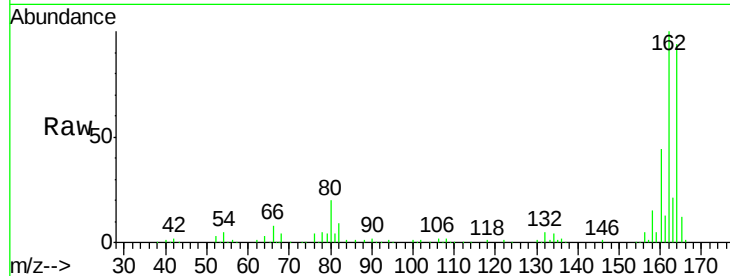




#50
 2,6-Dinitrotoluene
 Concen: 7.60 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.09 min
 Lab File: BF088444.D
 Acq: 27 Jun 2016 8:27

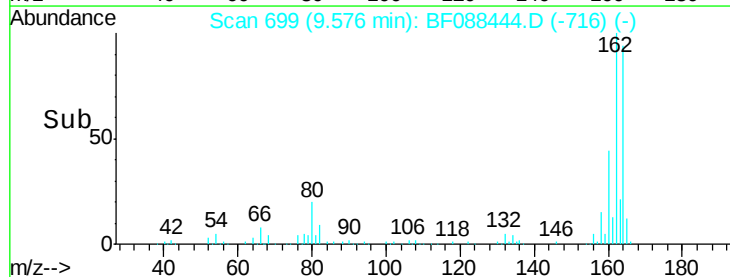
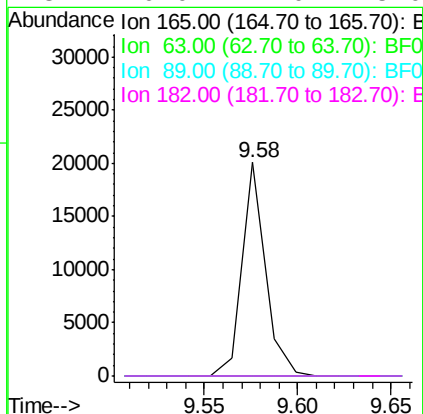
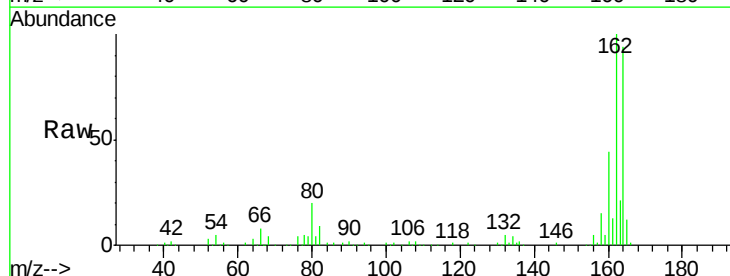
Instrument :
 BNA_F
 ClientSampleId :

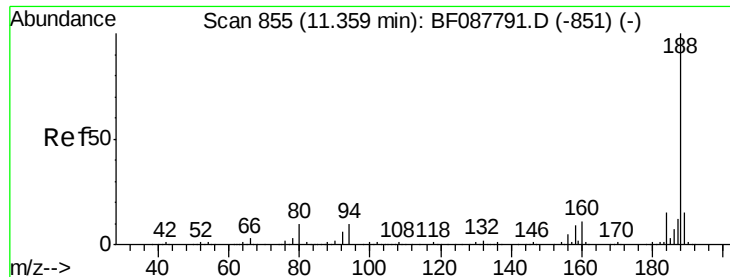
Tot Ion:165 Resp: 17540
 Ion Ratio Lower Upper
 165 100
 63 0.0 28.1 42.1#
 89 0.0 32.2 48.2#



#56
 2,4-Dinitrotoluene
 Concen: 5.91 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.49 min
 Lab File: BF088444.D
 Acq: 27 Jun 2016 8:27

Tgt Ion:165 Resp: 17537
 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#

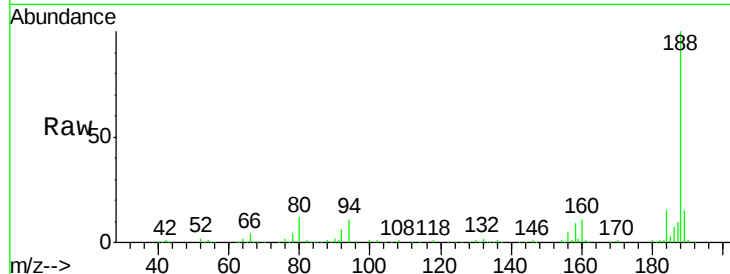




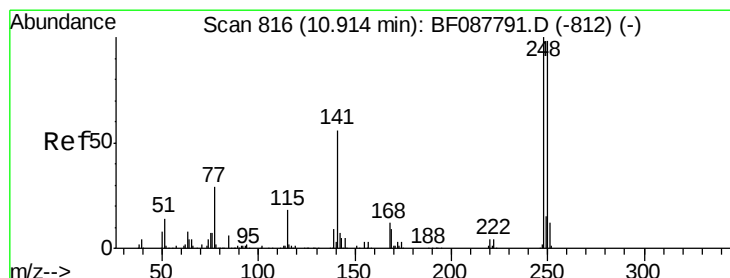
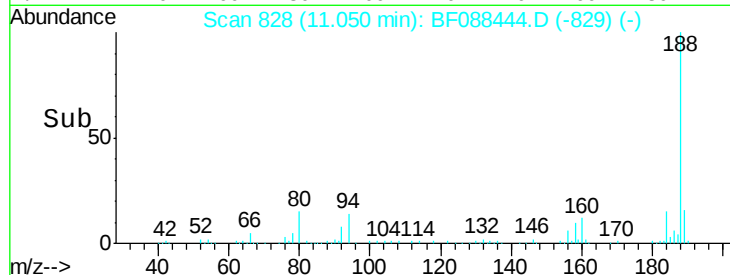
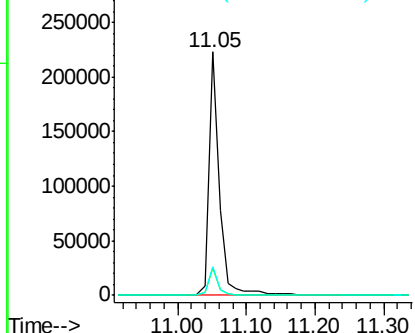
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.31 min
Lab File: BF088444.D
Acq: 27 Jun 2016 8:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 238604
Ion Ratio Lower Upper
188 100
94 11.3 9.0 13.6
80 11.7 10.0 15.0

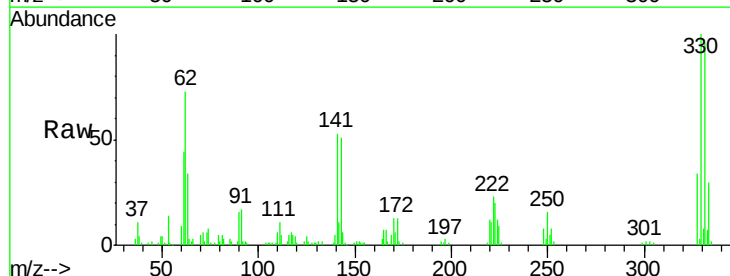


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

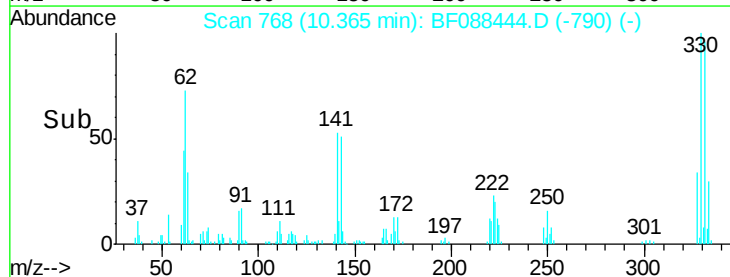
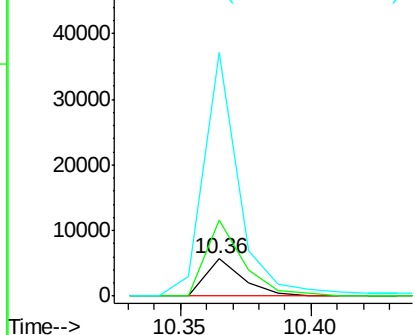


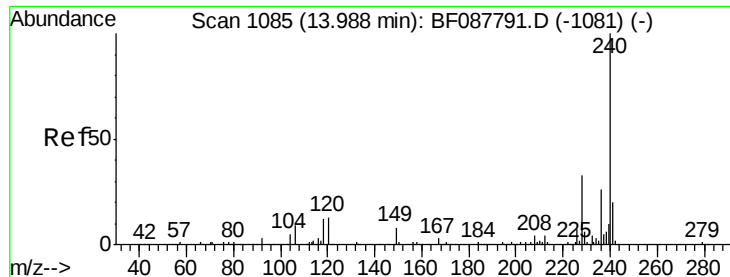
#66
4-Bromophenyl-phenylether
Concen: 2.18 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.55 min
Lab File: BF088444.D
Acq: 27 Jun 2016 8:27

Tgt Ion:248 Resp: 5583
Ion Ratio Lower Upper
248 100
250 203.6 77.1 115.7#
141 653.5 50.6 76.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.31 min

Lab File: BF088444.D

Acq: 27 Jun 2016 8:27

Instrument :

BNA_F

ClientSampleId :

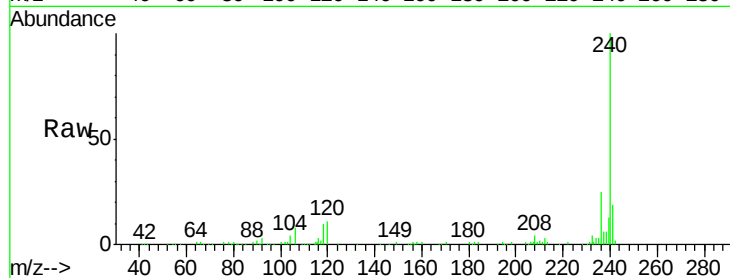
Tot Ion:240 Resp: 173483

Ion Ratio Lower Upper

240 100

120 11.2 6.8 10.2#

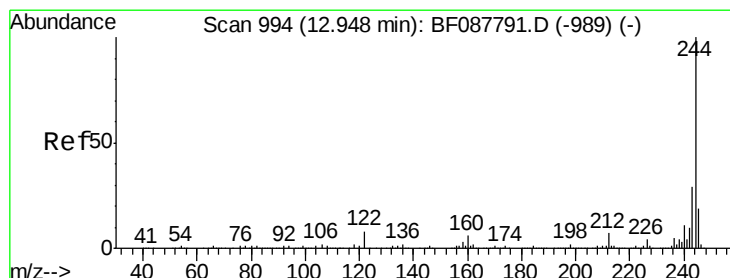
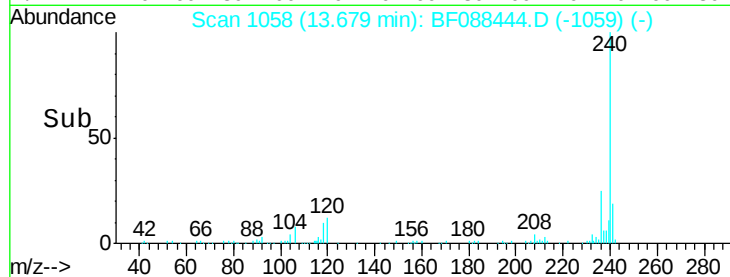
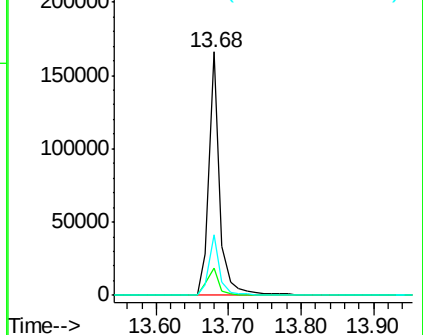
236 25.0 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 72.88 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.31 min

Lab File: BF088444.D

Acq: 27 Jun 2016 8:27

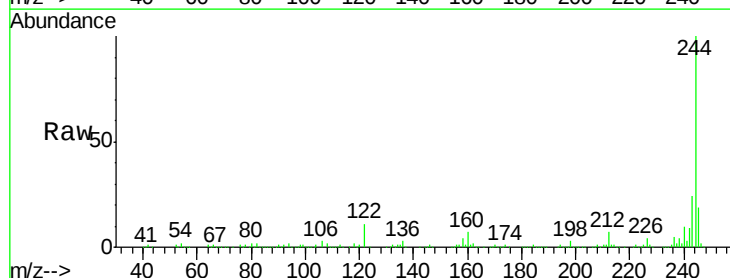
Tgt Ion:244 Resp: 555628

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

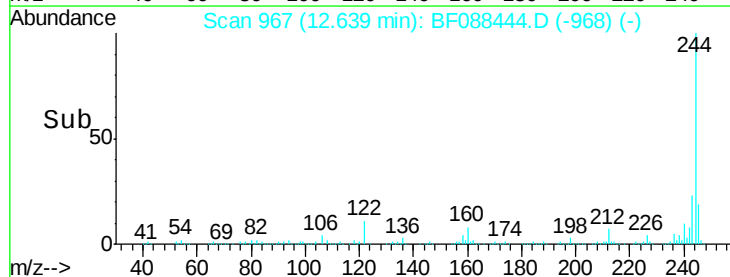
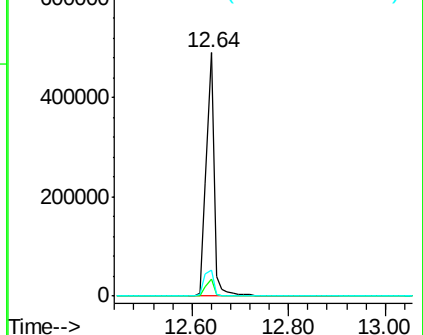
122 10.6 11.2 16.8#

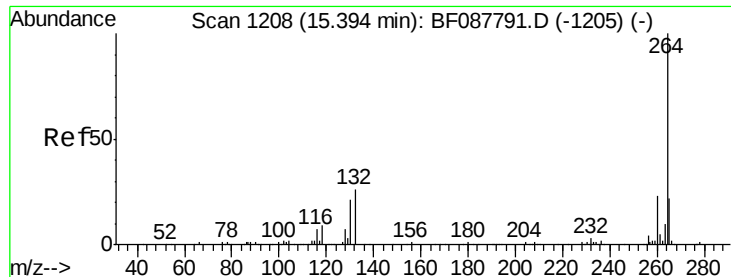


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

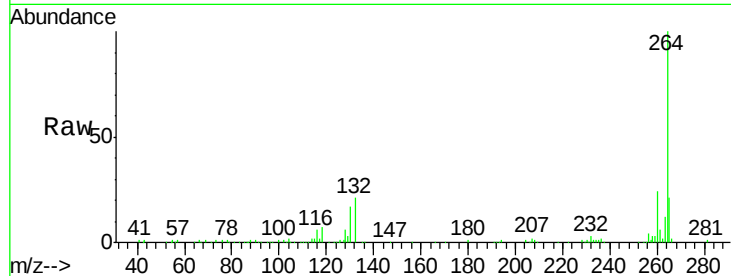




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1176
 Delta R.T. -0.37 min
 Lab File: BF088444.D
 Acq: 27 Jun 2016 8:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.5	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

