

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062316\
 Data File : BF088312.D
 Acq On : 24 Jun 2016 2:32
 Operator : UM/SJ
 Sample : H3682-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-6)

Quant Time: Jun 24 03:26:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 01:47:17 2016
 Response via : Initial Calibration

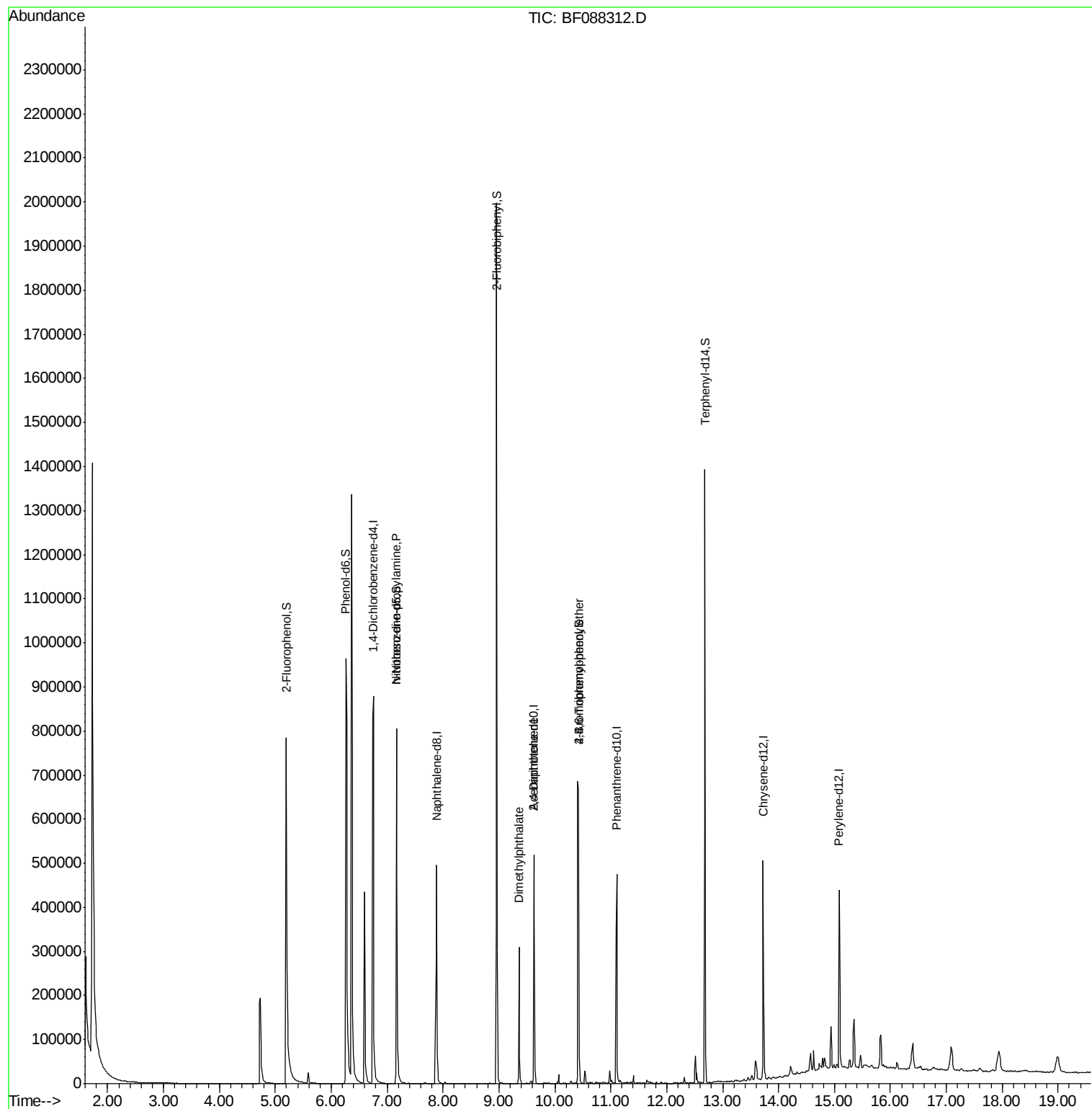
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	242356	20.00	ng	0.16
21) Naphthalene-d8	7.88	136	329915	20.00	ng	0.00
38) Acenaphthene-d10	9.62	164	142276	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	241560	20.00	ng	0.00
75) Chrysene-d12	13.73	240	169385	20.00	ng	-0.01
86) Perylene-d12	15.09	264	160443	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	531433	37.49	ng	0.01
7) Phenol-d6	6.26	99	651384	37.91	ng	-0.02
23) Nitrobenzene-d5	7.16	82	363590	64.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	130904	87.14	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	646814	70.47	ng	-0.01
78) Terphenyl-d14	12.69	244	466668	62.69	ng	-0.01
Target Compounds						
10) Phenol	6.36	94	1130	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.16	70	45879	4.17 ng	#	72
45) 1,1'-Biphenyl	8.96	154	1275	Below Cal	#	1
49) Dimethylphthalate	9.36	163	137510	13.34 ng		99
56) 2,4-Dinitrotoluene	9.62	165	17728	5.84 ng	#	36
57) Fluorene	10.41	166	6053	Below Cal	#	93
66) 4-Bromophenyl-phenylether	10.42	248	8217	3.17 ng	#	1

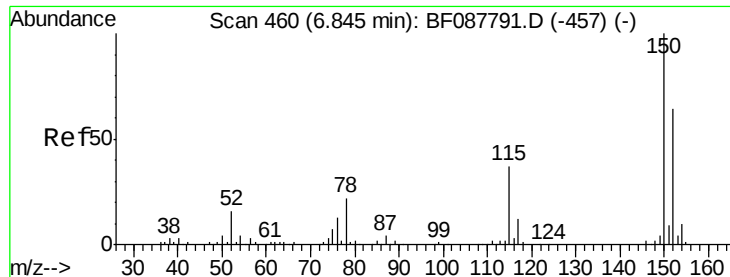
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 452

Delta R.T. 0.16 min

Lab File: BF088312.D

Acq: 24 Jun 2016 2:32

Instrument :

BNA_F

ClientSampleId :

SB-4(0-6)

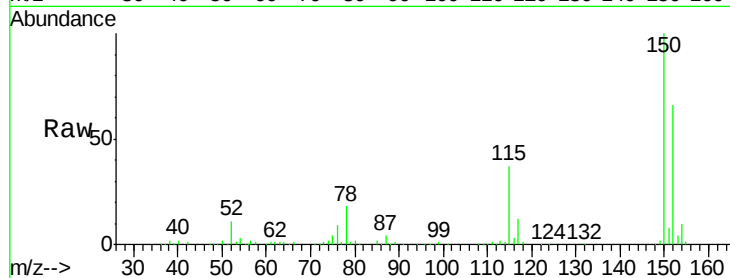
Tgt Ion:152 Resp: 242356

Ion Ratio Lower Upper

152 100

150 152.4 123.8 185.6

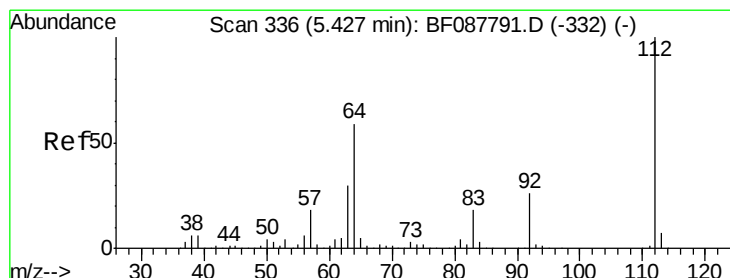
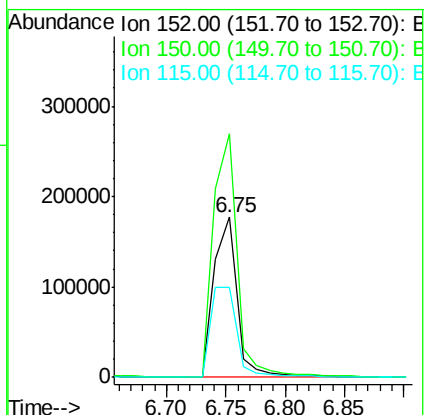
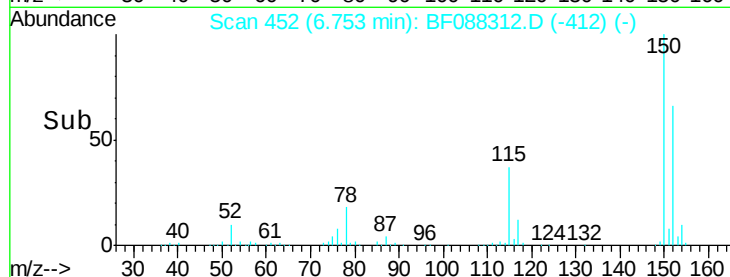
115 56.4 39.6 59.4



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: 37.49 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.01 min

Lab File: BF088312.D

Acq: 24 Jun 2016 2:32

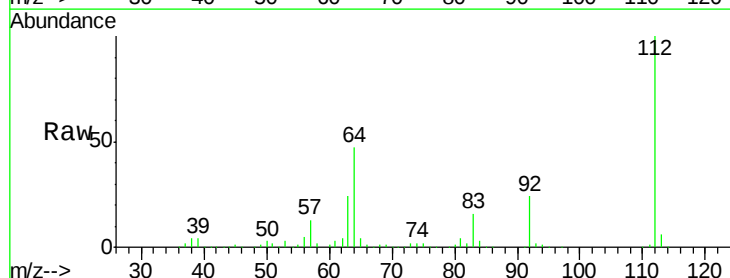
Tgt Ion:112 Resp: 531433

Ion Ratio Lower Upper

112 100

64 47.2 42.2 63.2

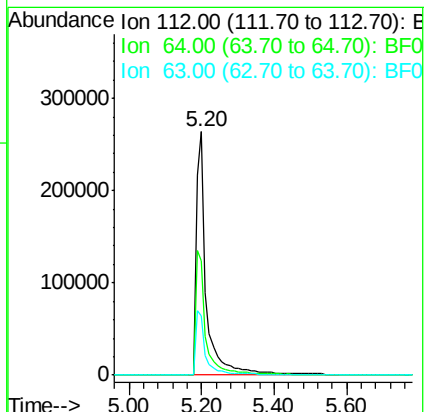
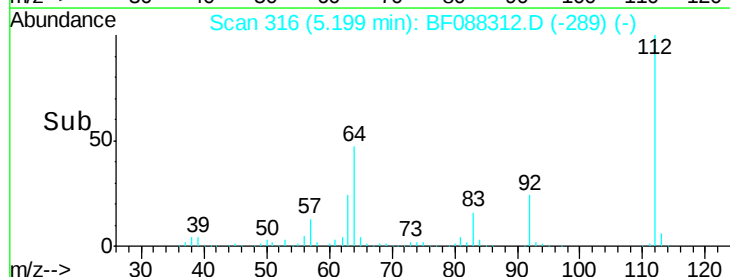
63 24.4 21.8 32.8



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: 37.91 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF088312.D

Acq: 24 Jun 2016 2:32

Instrument :

BNA_F

ClientSampleId :

SB-4(0-6)

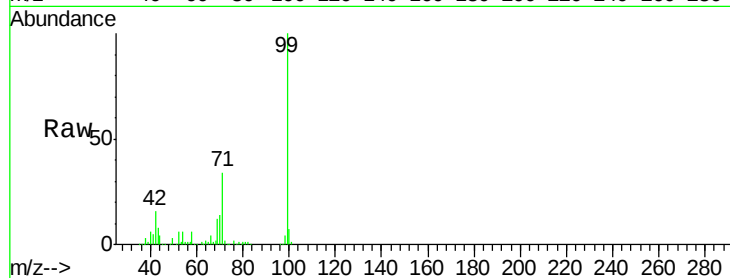
Tgt Ion: 99 Resp: 651384

Ion Ratio Lower Upper

99 100

42 16.0 12.2 18.2

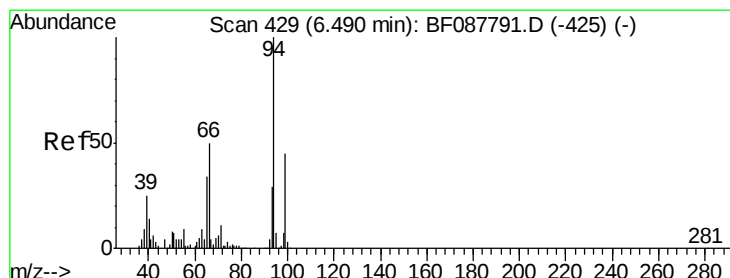
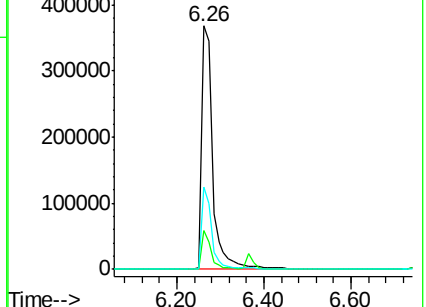
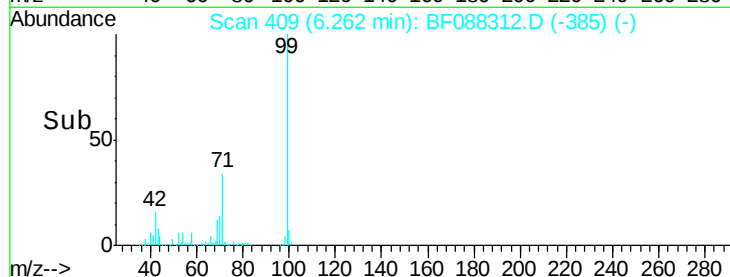
71 33.9 23.4 35.0



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: 6.36 min Scan# 418

Delta R.T. 0.07 min

Lab File: BF088312.D

Acq: 24 Jun 2016 2:32

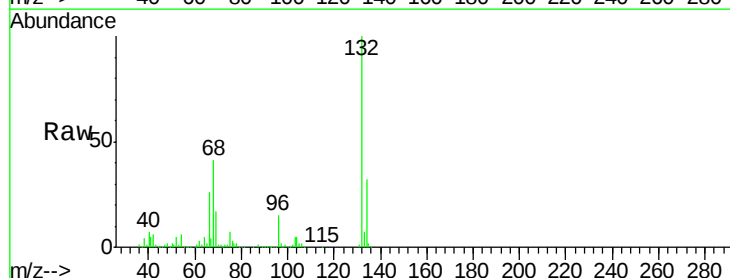
Tgt Ion: 94 Resp: 1130

Ion Ratio Lower Upper

94 100

65 782.1 5.9 45.9#

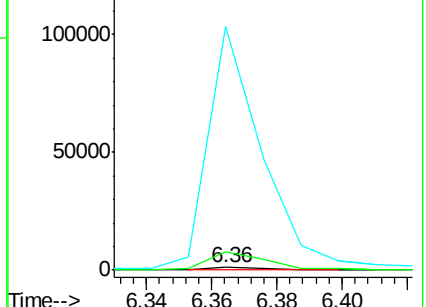
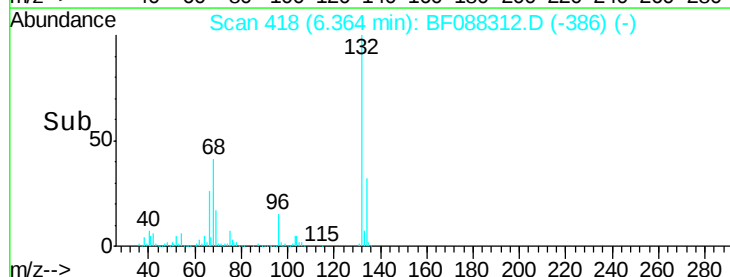
66 10348.7 14.0 54.0#

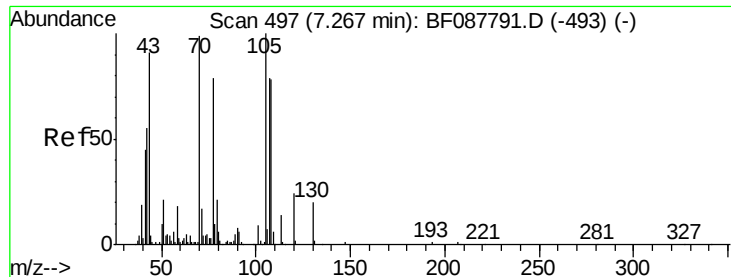


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

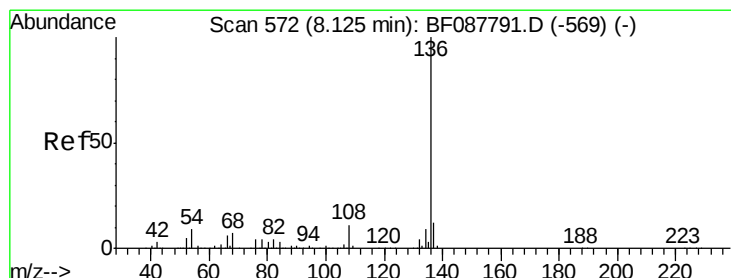
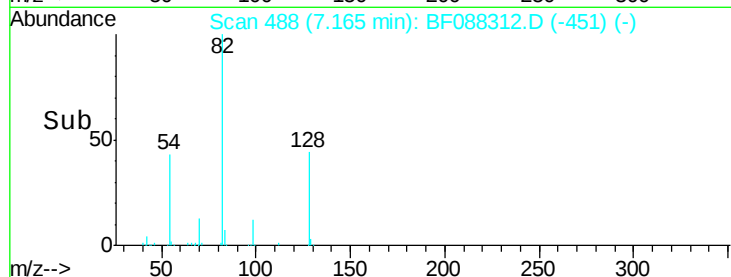
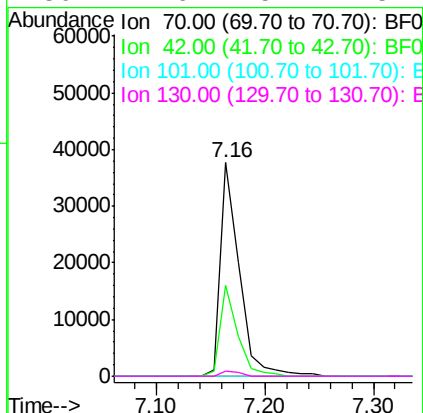
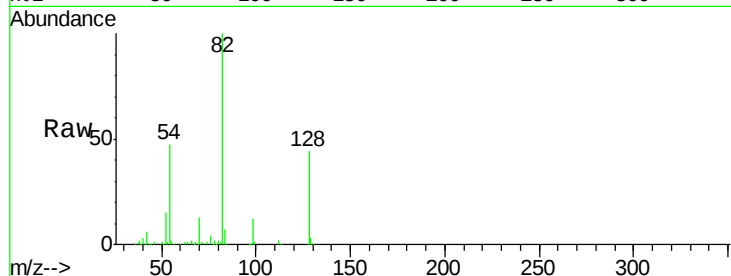




#19
 n-Nitroso-di-n-propylamine
 Concen: 4.17 ng
 RT: 7.16 min Scan# 488
 Delta R.T. 0.13 min
 Lab File: BF088312.D
 Acq: 24 Jun 2016 2:32

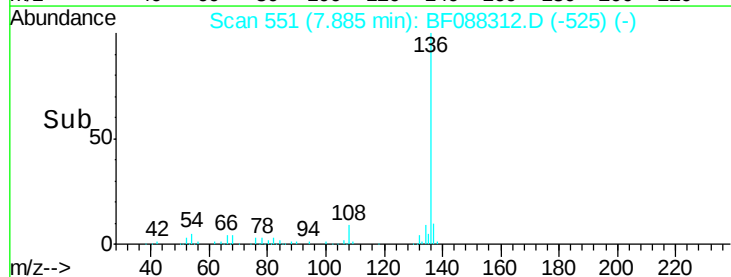
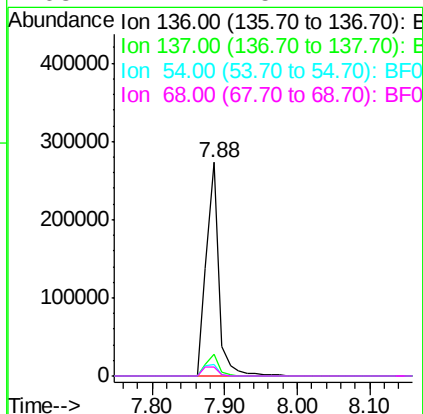
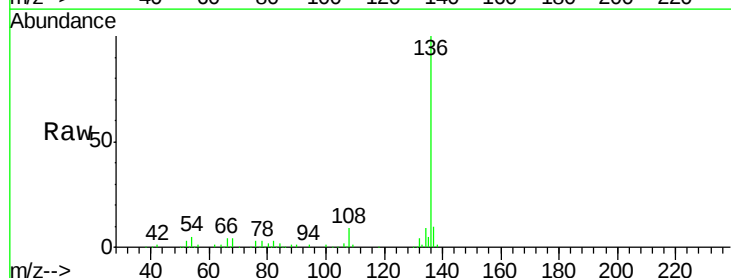
Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-6)

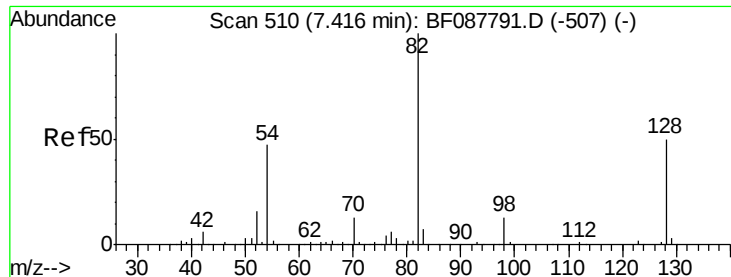
Tgt Ion: 70 Resp: 45879
 Ion Ratio Lower Upper
 70 100
 42 42.7 49.6 74.4#
 101 0.0 7.1 10.7#
 130 2.6 15.4 23.2#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.88 min Scan# 551
 Delta R.T. 0.00 min
 Lab File: BF088312.D
 Acq: 24 Jun 2016 2:32

Tgt Ion: 136 Resp: 329915
 Ion Ratio Lower Upper
 136 100
 137 10.3 9.1 13.7
 54 5.2 6.6 10.0#
 68 4.4 5.1 7.7#

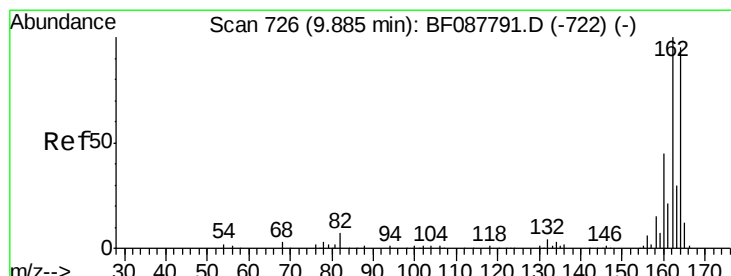
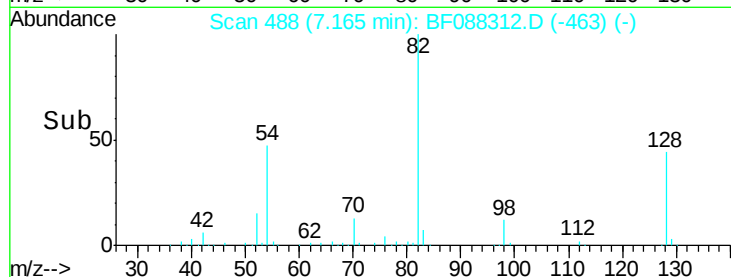
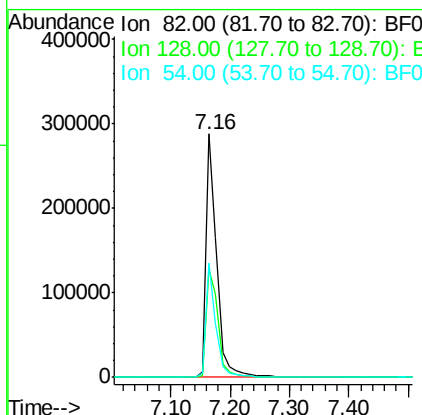
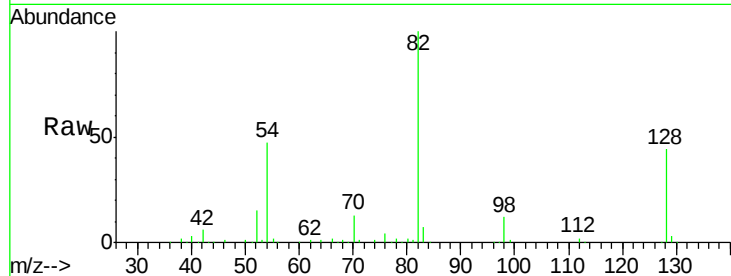




#23
 Nitrobenzene-d5
 Concen: 64.35 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF088312.D
 Acq: 24 Jun 2016 2:32

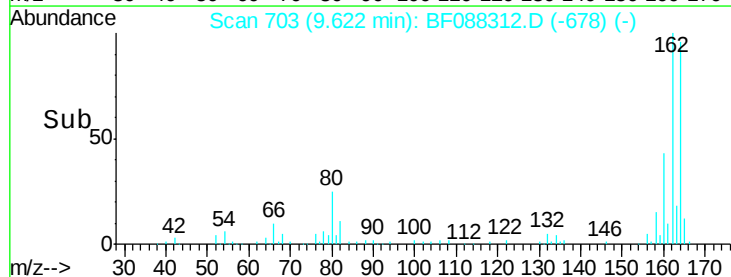
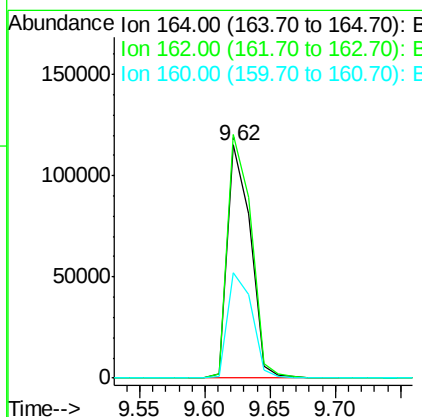
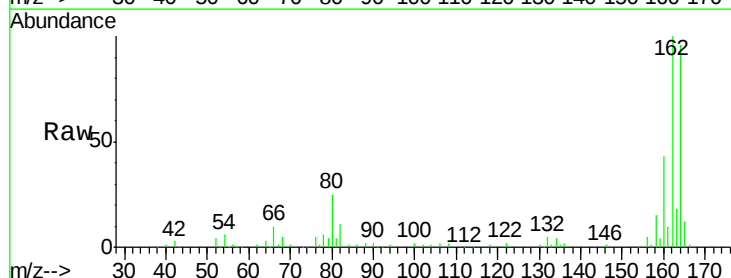
Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-6)

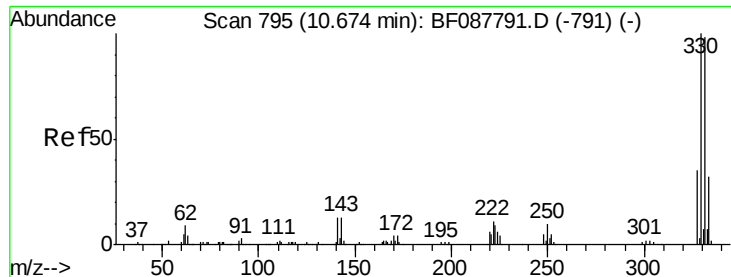
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.9	53.9
54	46.7	40.9	61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: BF088312.D
 Acq: 24 Jun 2016 2:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	85.4	128.2
160	45.4	39.5	59.3

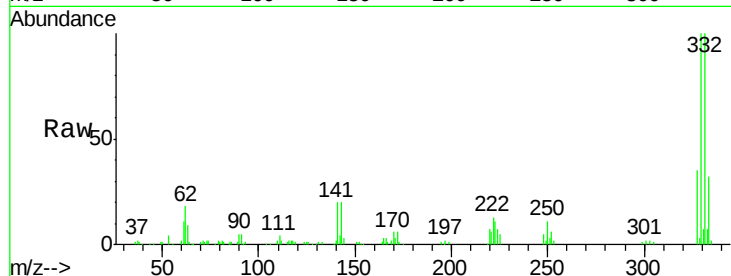




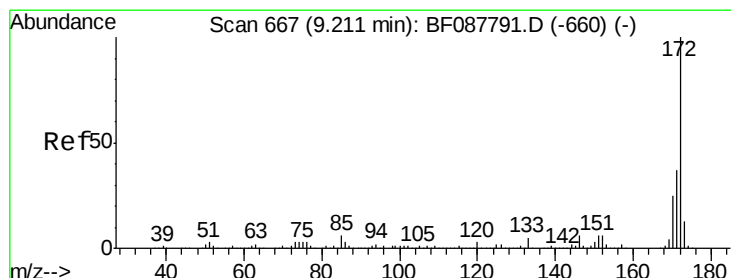
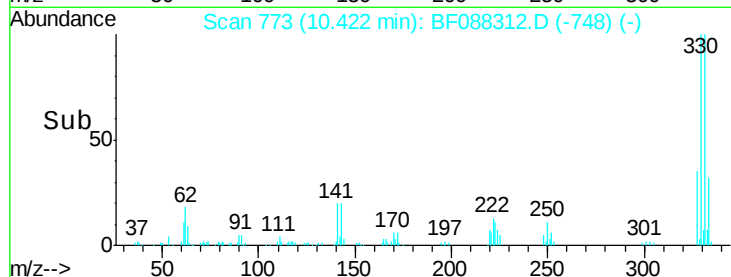
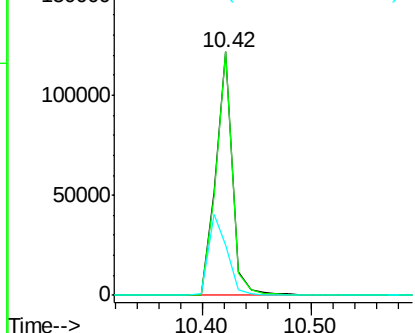
#41
 2,4,6-Tribromophenol
 Concen: 87.14 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF088312.D
 Acq: 24 Jun 2016 2:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-6)

Tgt Ion: 330 Resp: 130904
 Ion Ratio Lower Upper
 330 100
 332 98.6 0.0 0.0#
 141 36.6 0.0 0.0#

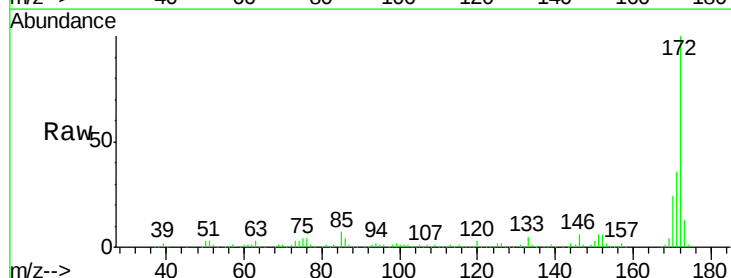


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

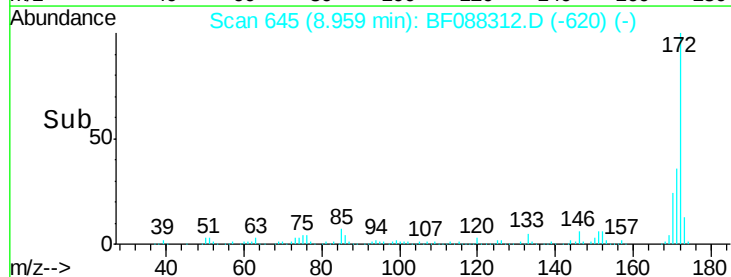
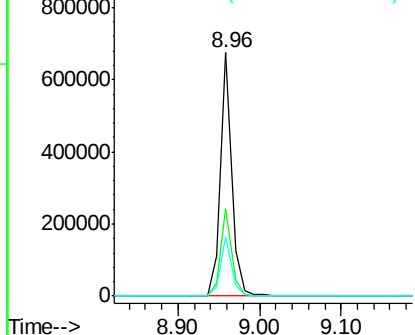


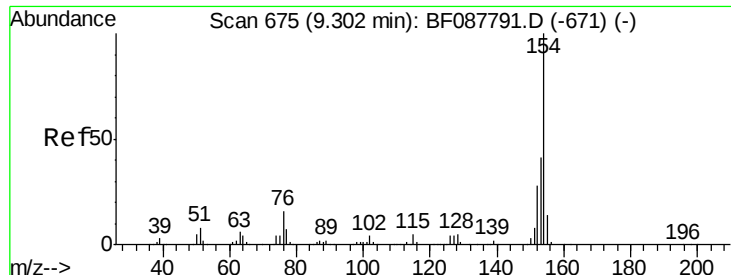
#44
 2-Fluorobiphenyl
 Concen: 70.47 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF088312.D
 Acq: 24 Jun 2016 2:32

Tgt Ion: 172 Resp: 646814
 Ion Ratio Lower Upper
 172 100
 171 35.7 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

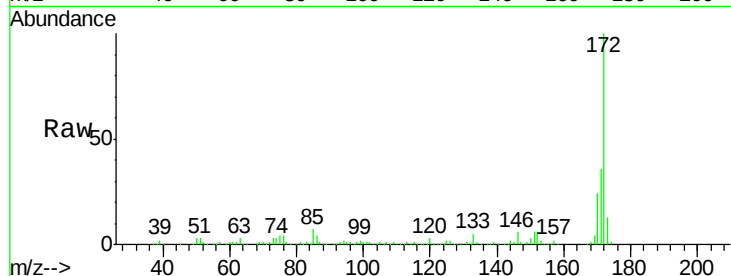




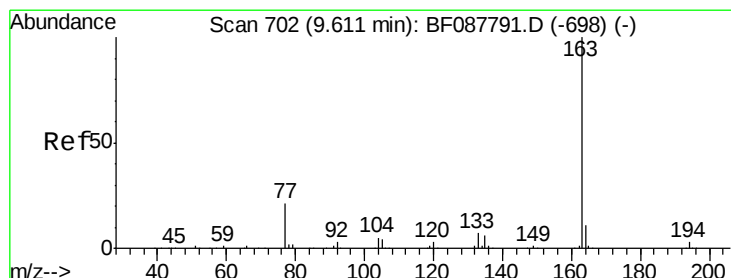
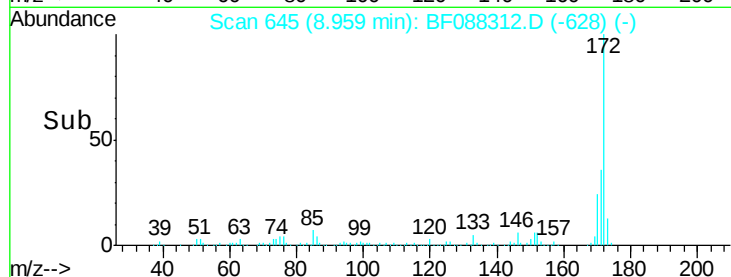
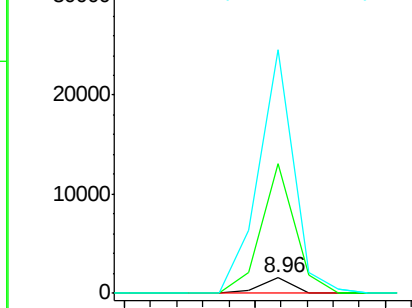
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 8.96 min Scan# 645
Delta R.T. -0.10 min
Lab File: BF088312.D
Acq: 24 Jun 2016 2:32

Instrument :
BNA_F
ClientSampleId :
SB-4(0-6)

Tgt Ion:154 Resp: 1275
Ion Ratio Lower Upper
154 100
153 853.4 20.6 60.6#
76 1598.4 0.0 35.1#

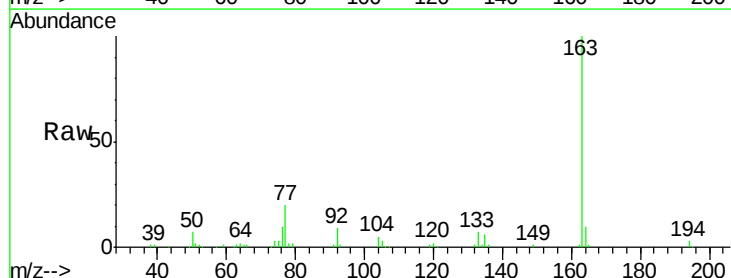


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

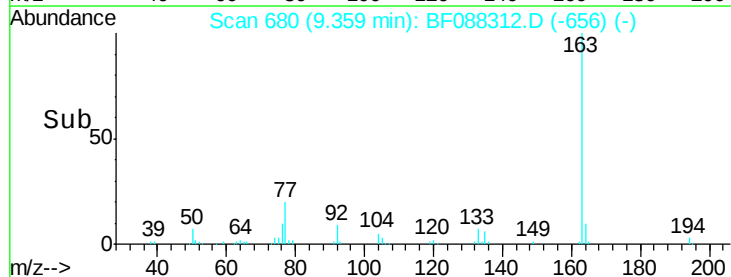
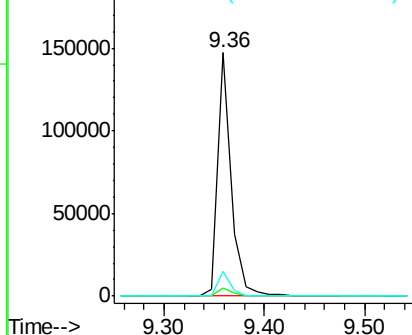


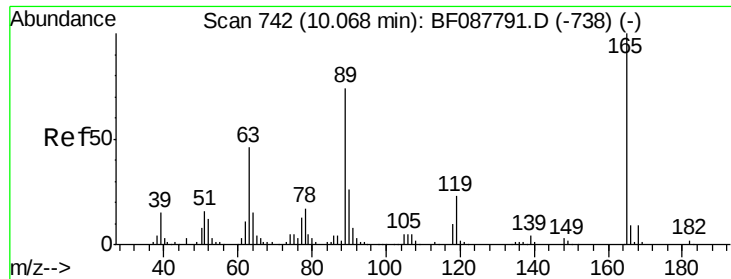
#49
Dimethylphthalate
Concen: 13.34 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF088312.D
Acq: 24 Jun 2016 2:32

Tgt Ion:163 Resp: 137510
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 10.0 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

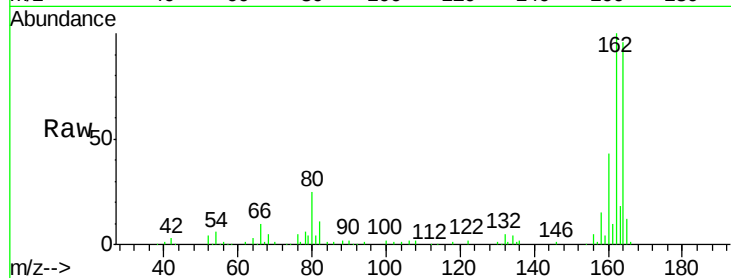




#56
2,4-Dinitrotoluene
Concen: 5.84 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.23 min
Lab File: BF088312.D
Acq: 24 Jun 2016 2:32

Instrument :
BNA_F
ClientSampleId :
SB-4(0-6)

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#

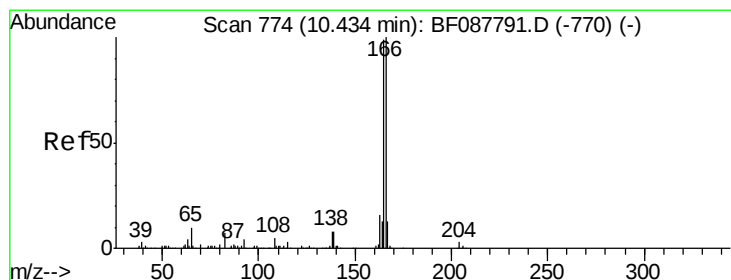
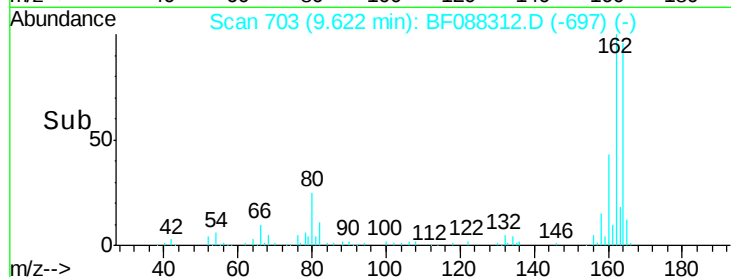
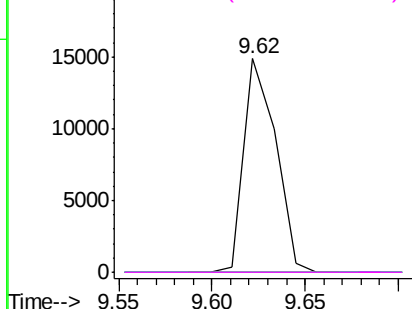


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

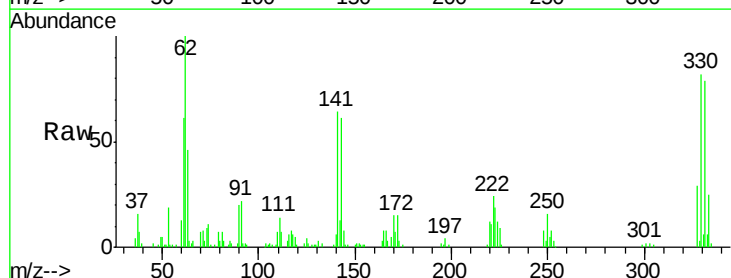
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.41 min Scan# 772
Delta R.T. 0.23 min
Lab File: BF088312.D
Acq: 24 Jun 2016 2:32

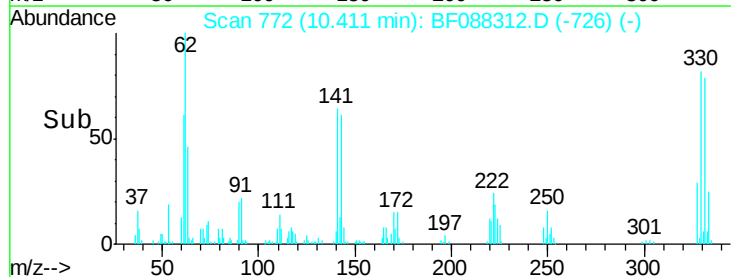
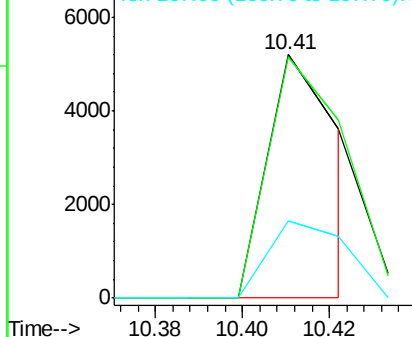
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.1	77.8	116.8
167	31.5	11.2	16.8#

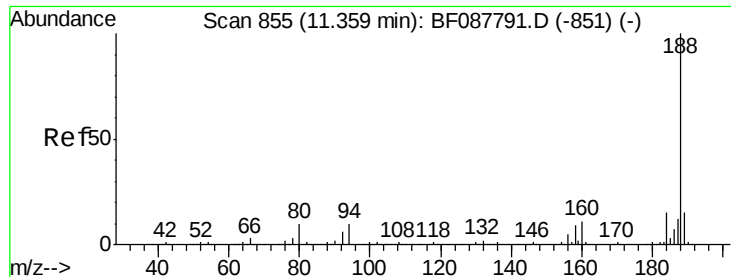


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

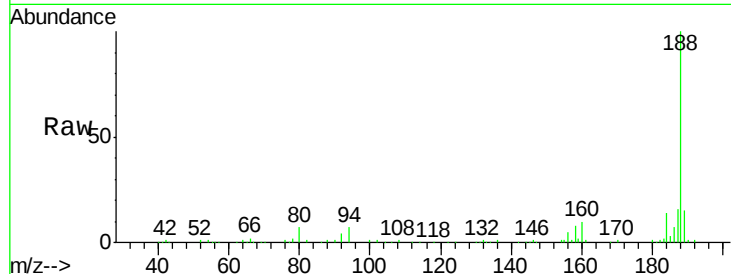




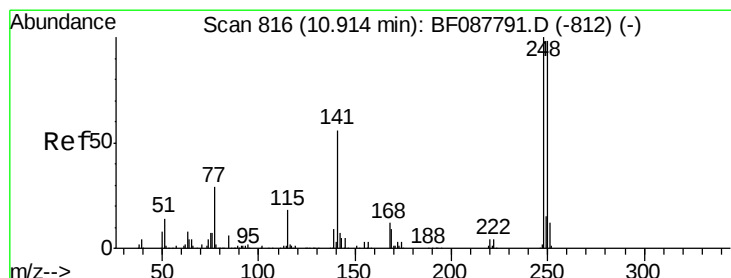
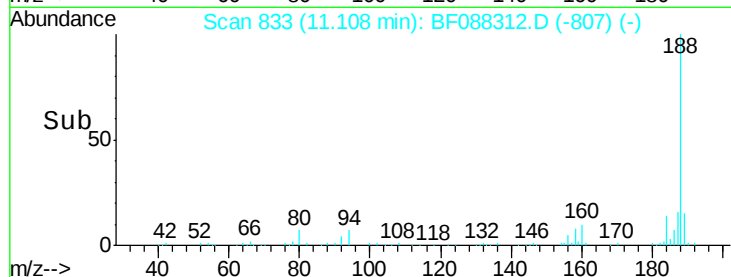
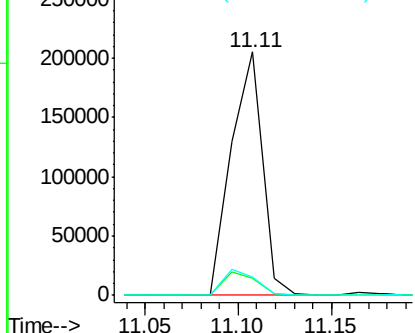
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF088312.D
Acq: 24 Jun 2016 2:32

Instrument :
BNA_F
ClientSampleId :
SB-4(0-6)

Tgt Ion:188 Resp: 241560
Ion Ratio Lower Upper
188 100
94 7.0 9.0 13.6#
80 7.3 10.0 15.0#

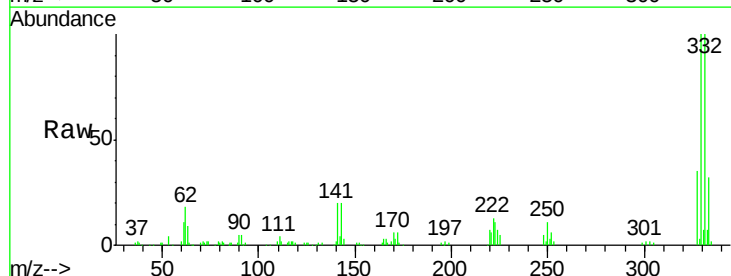


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

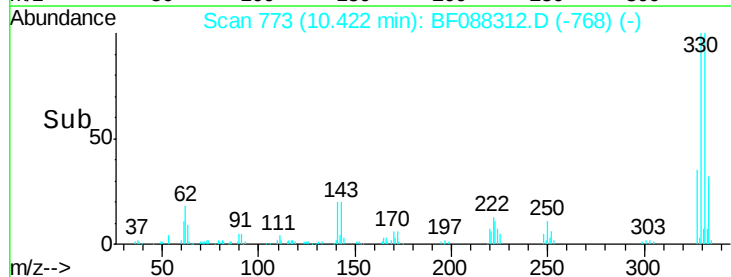
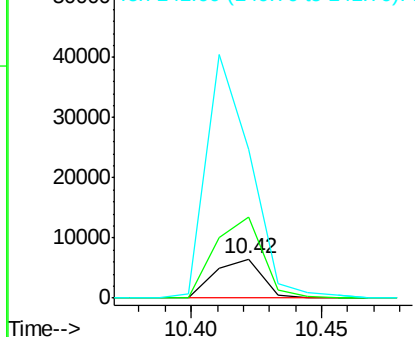


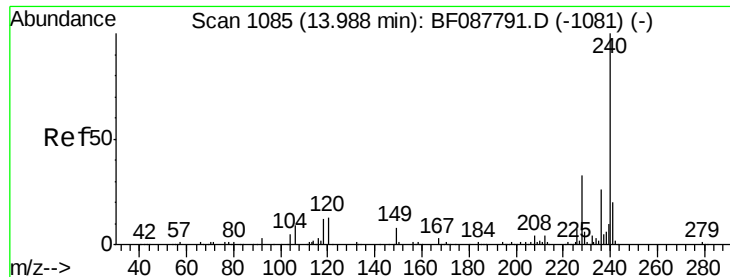
#66
4-Bromophenyl-phenylether
Concen: 3.17 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.24 min
Lab File: BF088312.D
Acq: 24 Jun 2016 2:32

Tgt Ion:248 Resp: 8217
Ion Ratio Lower Upper
248 100
250 205.3 77.1 115.7#
141 381.1 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: 13.73 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BF088312.D

Acq: 24 Jun 2016 2:32

Instrument :

BNA_F

ClientSampleId :

SB-4(0-6)

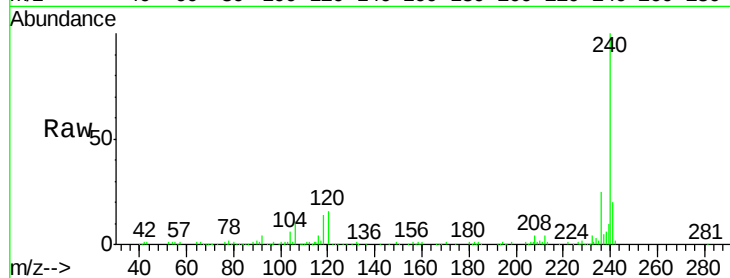
Tgt Ion:240 Resp: 169385

Ion Ratio Lower Upper

240 100

120 16.0 6.8 10.2#

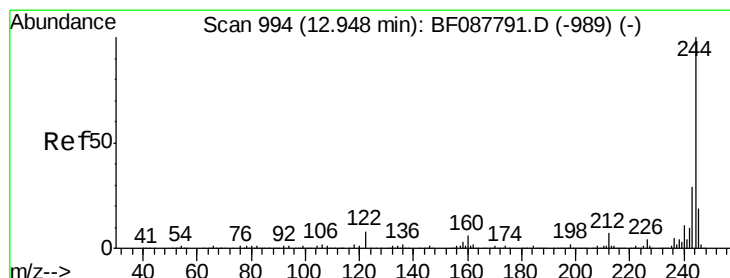
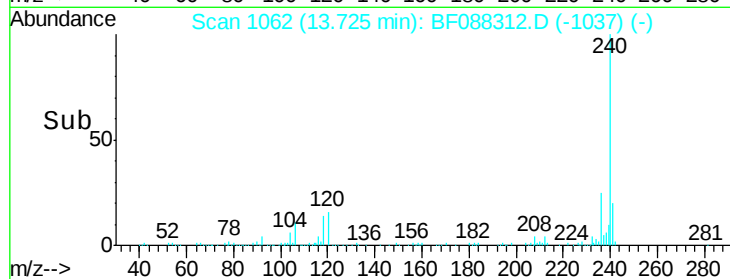
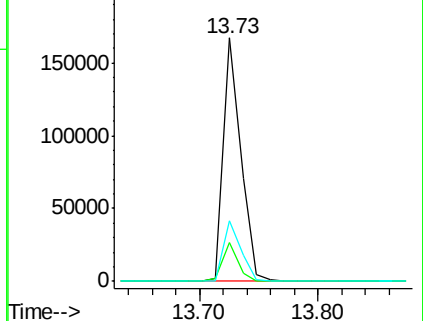
236 25.1 20.2 30.2



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: 62.69 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088312.D

Acq: 24 Jun 2016 2:32

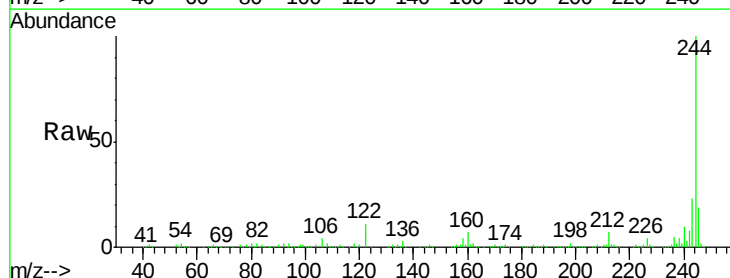
Tgt Ion:244 Resp: 466668

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

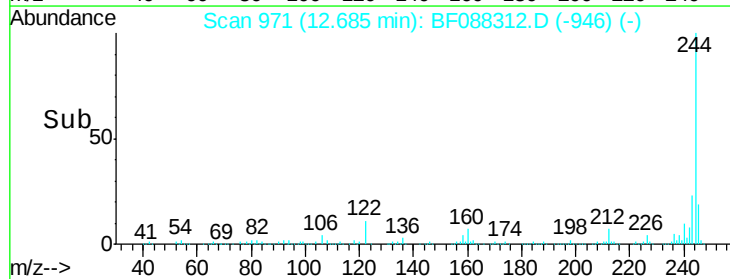
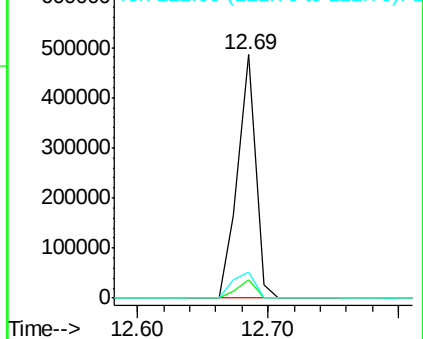
122 10.8 11.2 16.8#

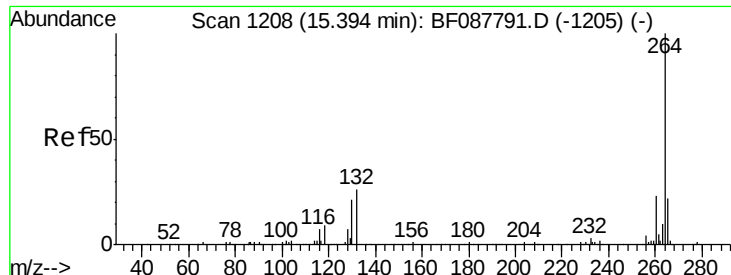


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF088312.D
Acq: 24 Jun 2016 2:32

Instrument :
BNA_F
ClientSampleId :
SB-4(0-6)

Tgt Ion: 264 Resp: 160443
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 22.2 16.9 25.3

