

Data Path : Z:\HPCHEM1\BNA F\Data\BF060616\
 Data File : BF087784.D
 Acq On : 7 Jun 2016 11:56
 Operator : UM/SJ
 Sample : H3391-01DL2 50X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-060216DL

Quant Time: Jun 07 14:42:19 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

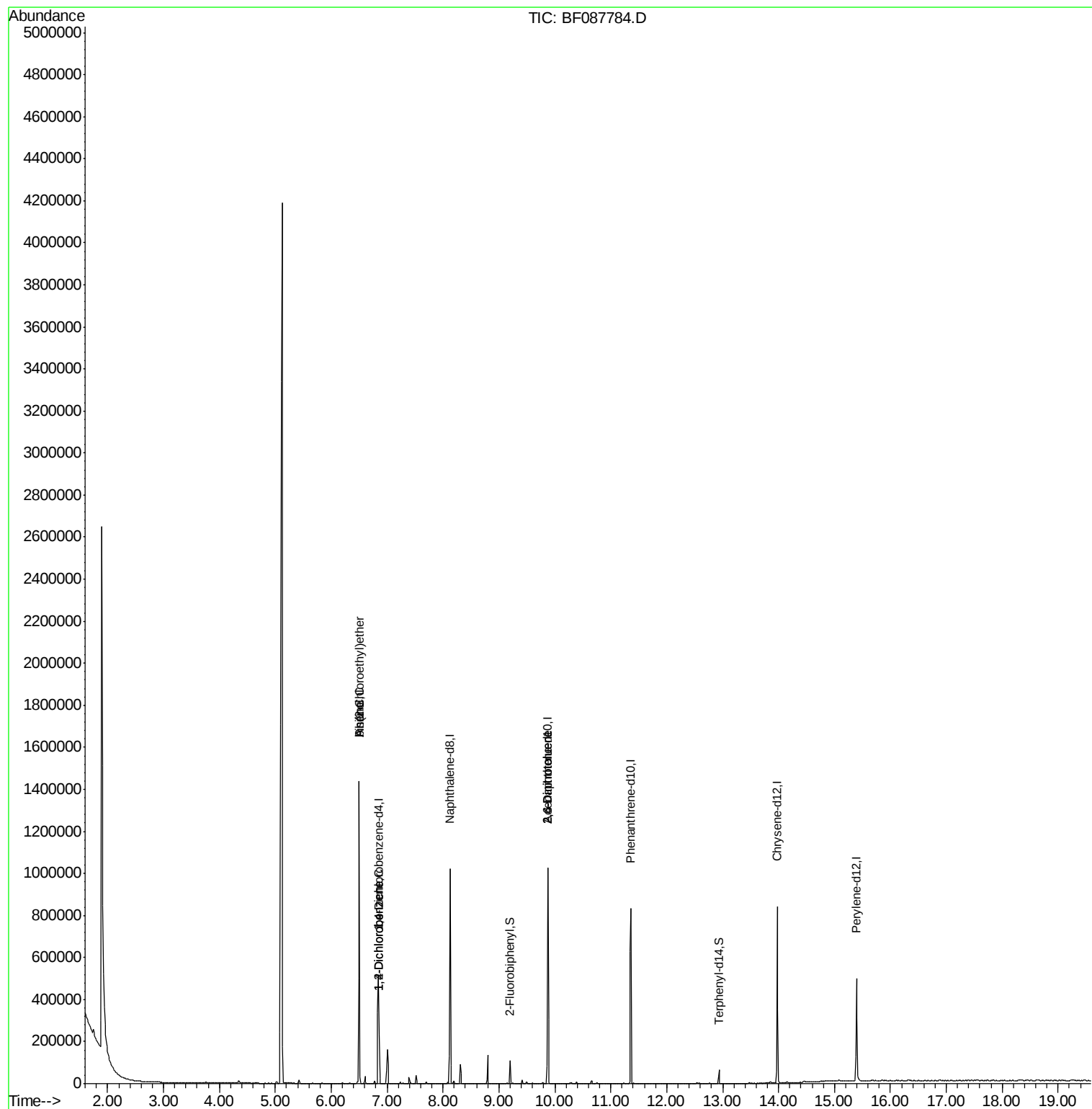
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	102737	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	432487	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	208736	20.00	ng	-0.03
63) Phenanthrene-d10	11.36	188	411787	20.00	ng	-0.02
75) Chrysene-d12	13.98	240	313695	20.00	ng	-0.05
86) Perylene-d12	15.39	264	238828	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	5220	0.82	ng	-0.02
7) Phenol-d6	6.47	99	3631	0.46	ng	-0.02
23) Nitrobenzene-d5	7.39	82	12039	1.61	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	3365	1.61	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	34481	2.22	ng	-0.03
78) Terphenyl-d14	12.94	244	26851	2.09	ng	-0.03
Target Compounds						
6) Aniline	6.50	93	531727	47.06	ng	Qvalue 99
10) Phenol	6.50	94	38029	4.19	ng	# 1
11) bis(2-Chloroethyl)ether	6.50	93	531727	80.62	ng	# 20
13) 1,4-Dichlorobenzene	6.86	146	47537	6.05	ng	98
14) 1,2-Dichlorobenzene	6.86	146	47537	6.45	ng	94
50) 2,6-Dinitrotoluene	9.87	165	26864	7.78	ng	# 39
56) 2,4-Dinitrotoluene	9.87	165	26865	6.11	ng	# 38

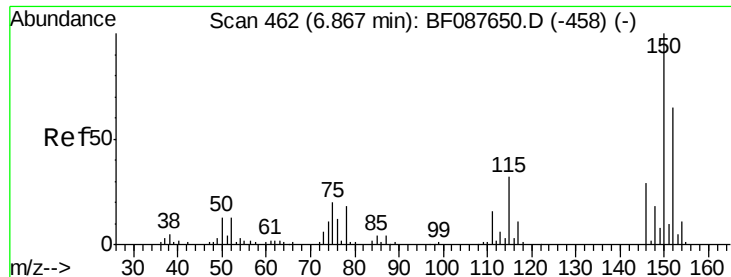
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.02 min

Lab File: BF087784.D

Acq: 7 Jun 2016 11:56

Instrument :

BNA_F

ClientSampleId :

SYSDIS-060216DL

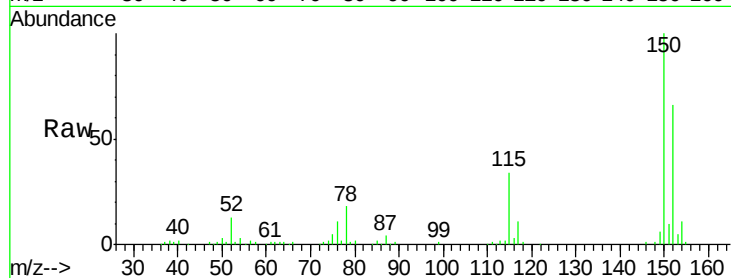
Tot Ion:152 Resp: 102737

Ion Ratio Lower Upper

152 100

150 151.5 123.8 185.6

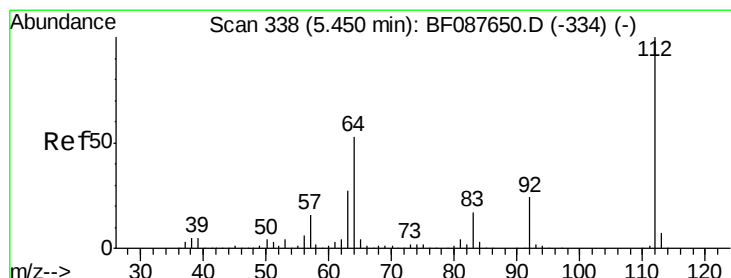
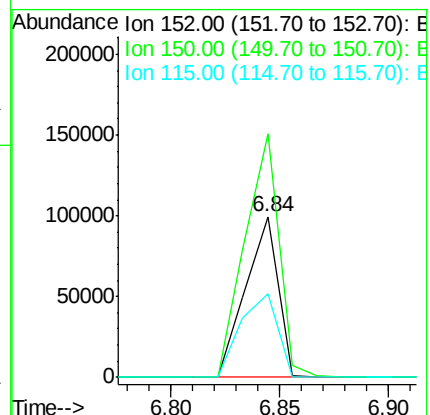
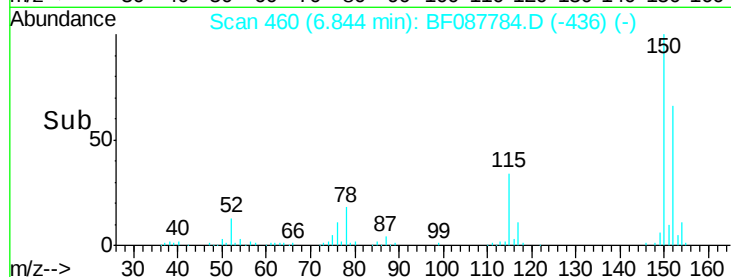
115 51.7 39.6 59.4



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: 0.82 ng

RT: 5.43 min Scan# 336

Delta R.T. -0.02 min

Lab File: BF087784.D

Acq: 7 Jun 2016 11:56

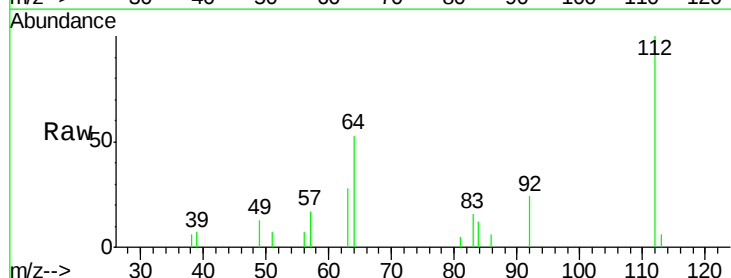
Tgt Ion:112 Resp: 5220

Ion Ratio Lower Upper

112 100

64 53.3 42.2 63.2

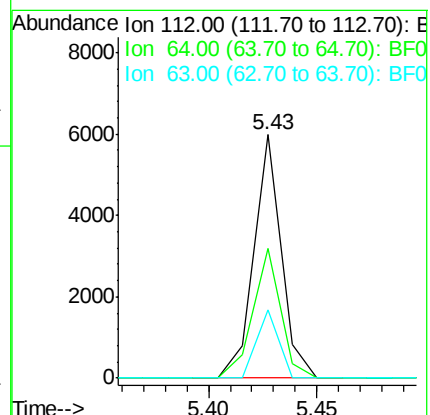
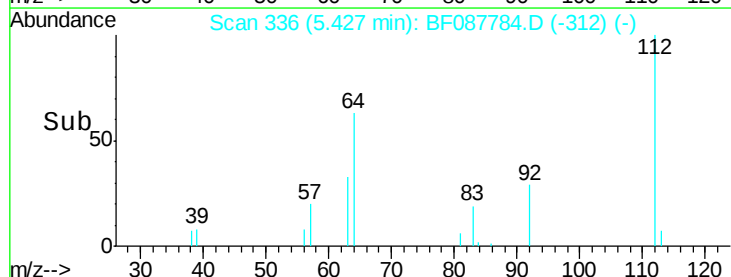
63 28.0 21.8 32.8

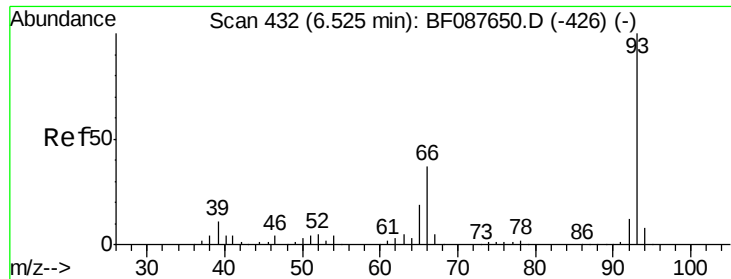


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 47.06 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF087784.D

Acq: 7 Jun 2016 11:56

Instrument :

BNA_F

ClientSampleId :

SYSDIS-060216DL

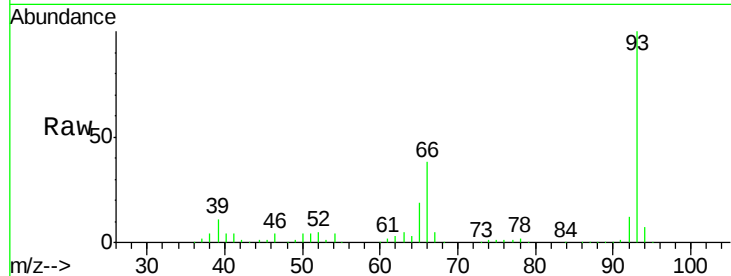
Tot Ion: 93 Resp: 531727

Ion Ratio Lower Upper

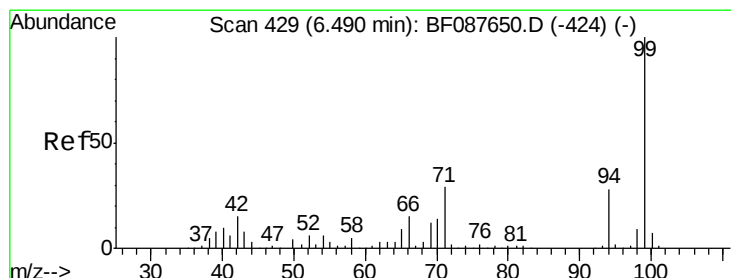
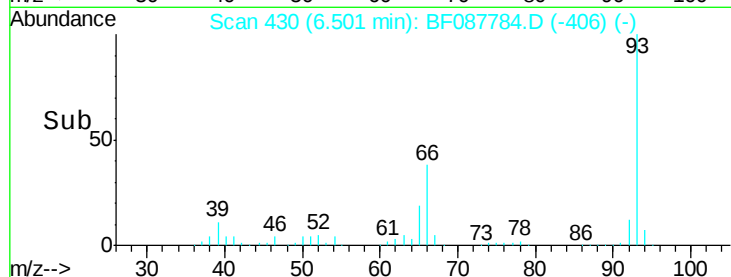
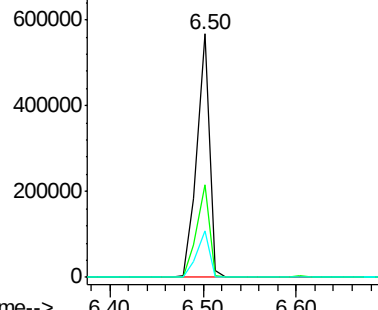
93 100

66 38.0 29.8 44.8

65 19.2 14.9 22.3



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 0.46 ng

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087784.D

Acq: 7 Jun 2016 11:56

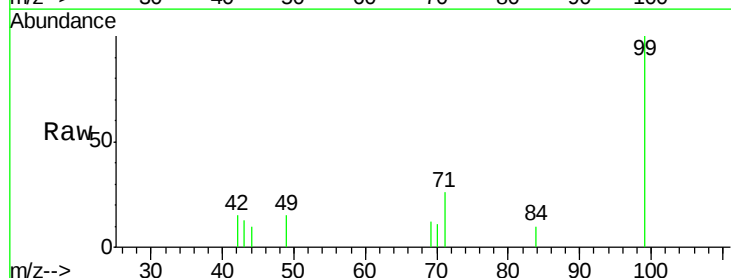
Tgt Ion: 99 Resp: 3631

Ion Ratio Lower Upper

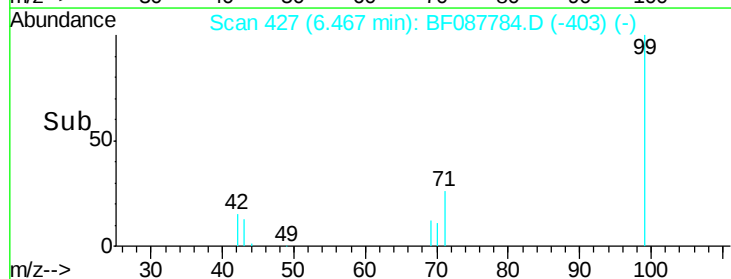
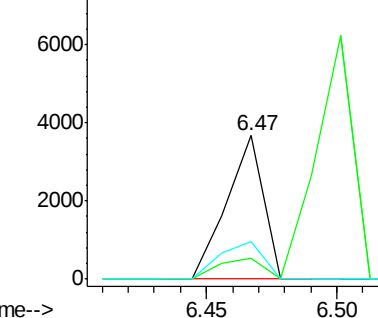
99 100

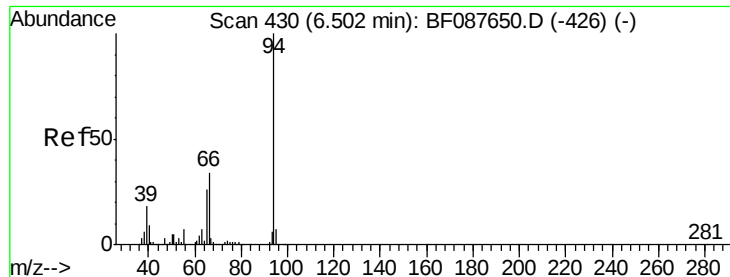
42 14.8 12.2 18.2

71 26.2 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: 4.19 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.00 min

Lab File: BF087784.D

Acq: 7 Jun 2016 11:56

Instrument :

BNA_F

ClientSampleId :

SYSDIS-060216DL

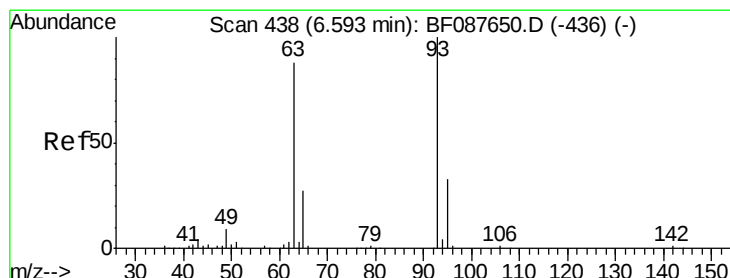
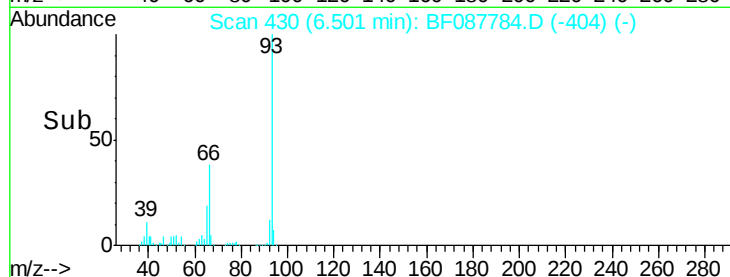
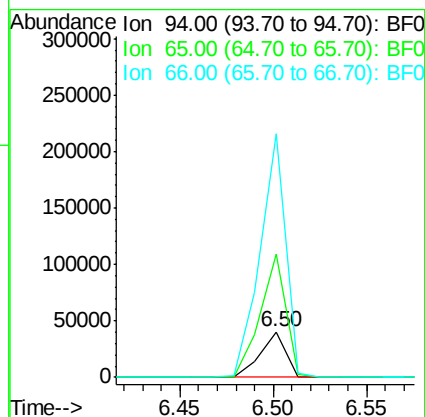
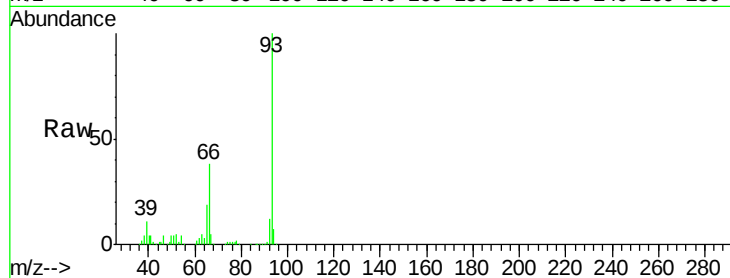
Tot Ion: 94 Resp: 38029

Ion Ratio Lower Upper

94 100

65 271.0 5.9 45.9#

66 535.8 14.0 54.0#



#11

bis(2-Chloroethyl)ether

Concen: 80.62 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.09 min

Lab File: BF087784.D

Acq: 7 Jun 2016 11:56

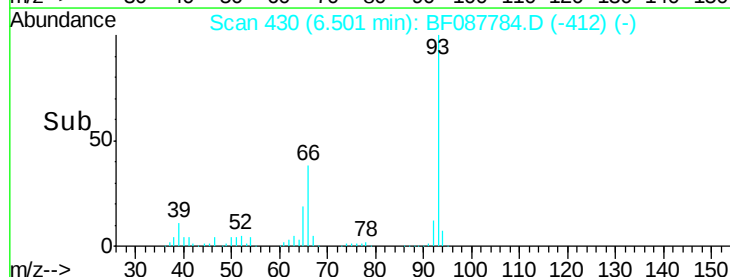
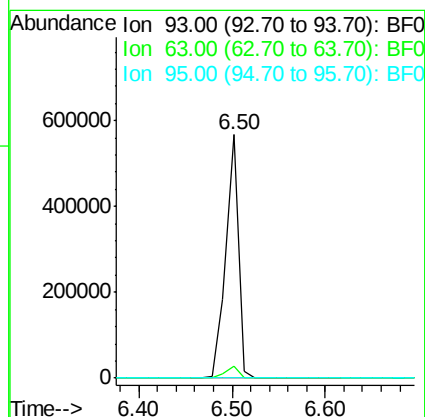
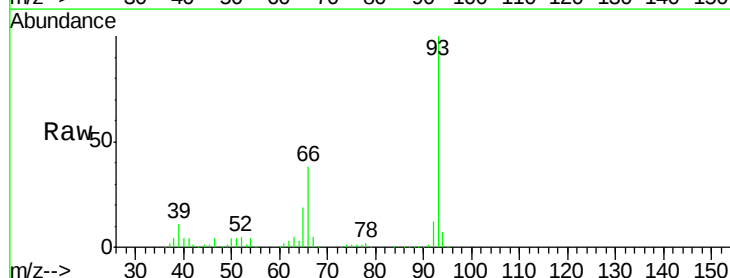
Tgt Ion: 93 Resp: 531727

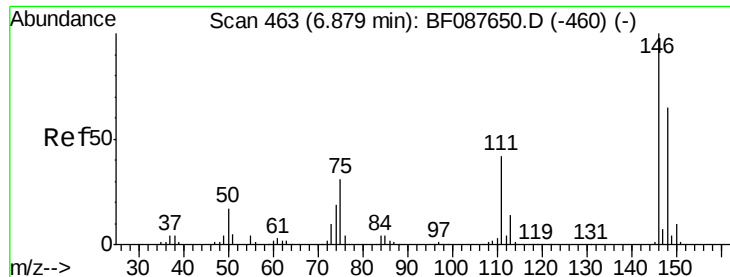
Ion Ratio Lower Upper

93 100

63 5.0 67.6 107.6#

95 0.2 12.5 52.5#

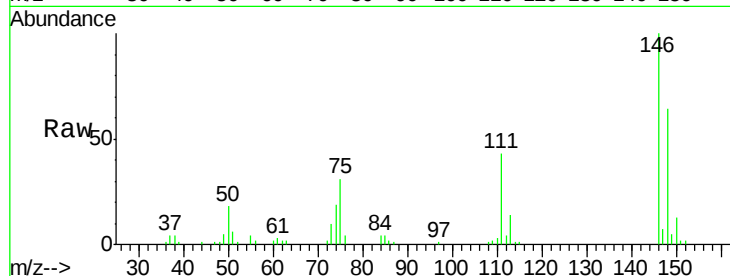




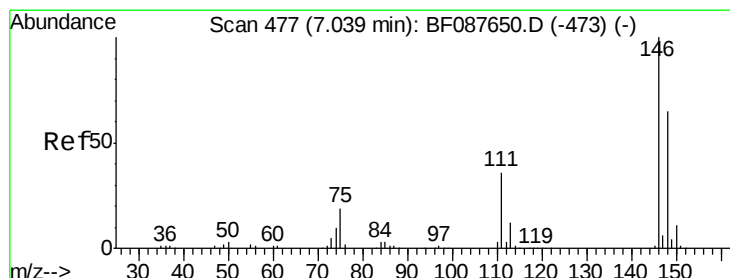
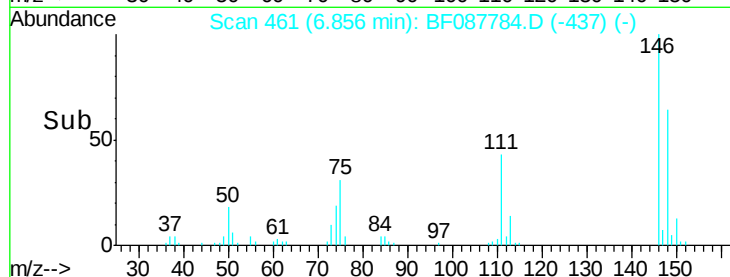
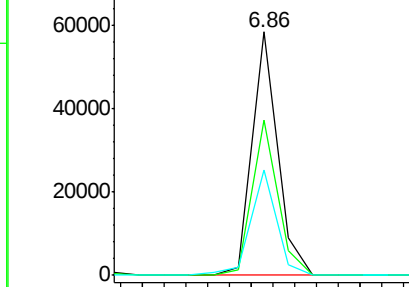
#13
 1,4-Dichlorobenzene
 Concen: 6.05 ng
 RT: 6.86 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF087784.D
 Acq: 7 Jun 2016 11:56

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-060216DL

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.0	78.0
111	43.1	33.8	50.8

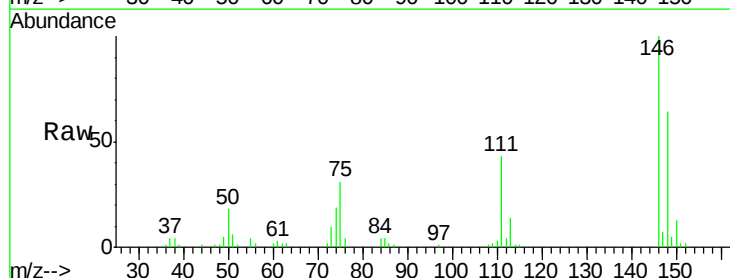


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

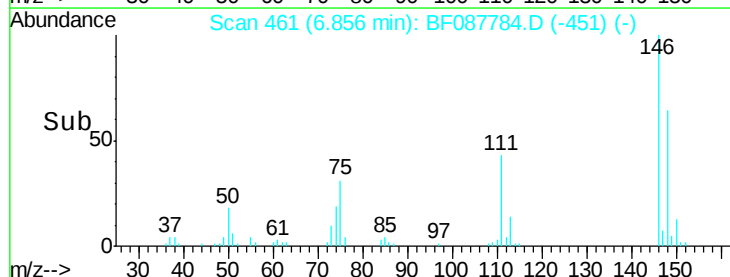
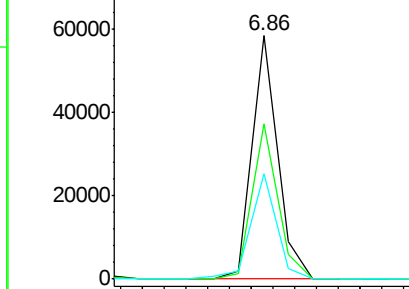


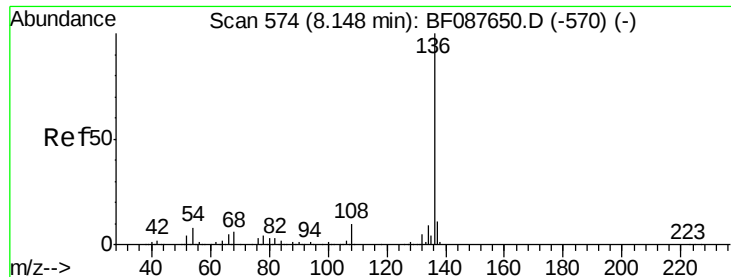
#14
 1,2-Dichlorobenzene
 Concen: 6.45 ng
 RT: 6.86 min Scan# 461
 Delta R.T. -0.18 min
 Lab File: BF087784.D
 Acq: 7 Jun 2016 11:56

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.3	78.5
111	43.1	28.7	43.1



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

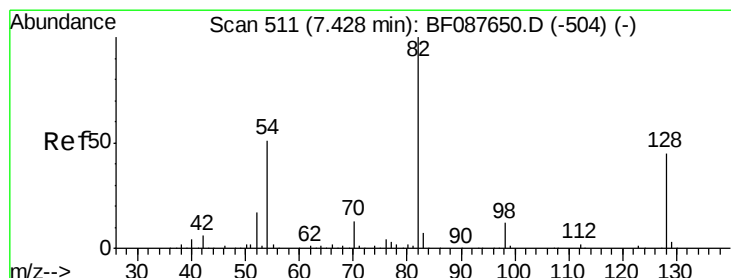
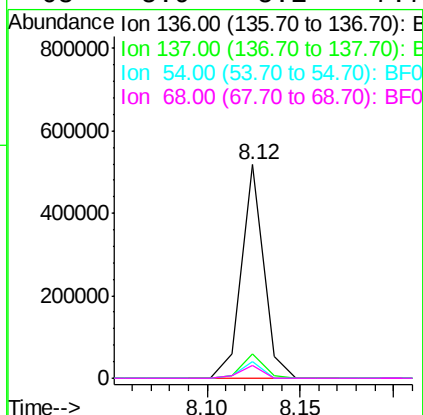
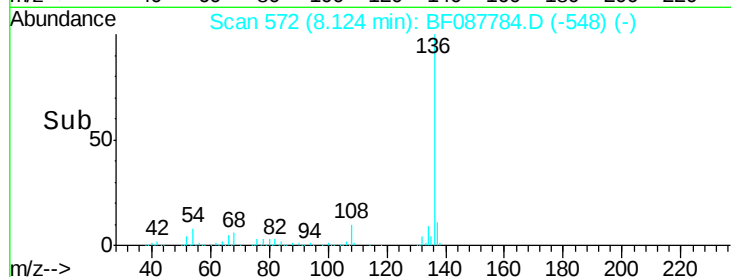
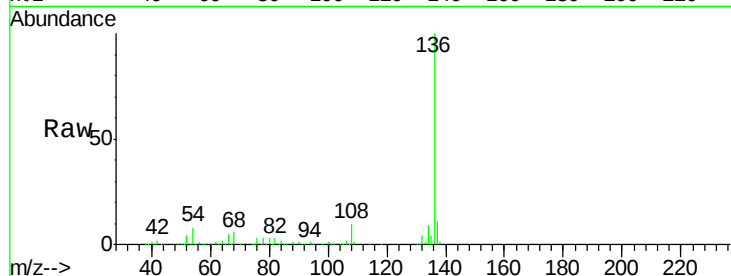




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 572
Delta R.T. -0.02 min
Lab File: BF087784.D
Acq: 7 Jun 2016 11:56

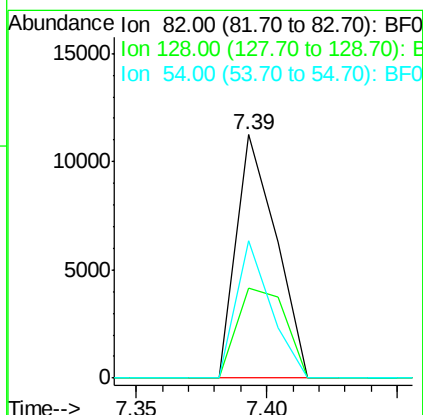
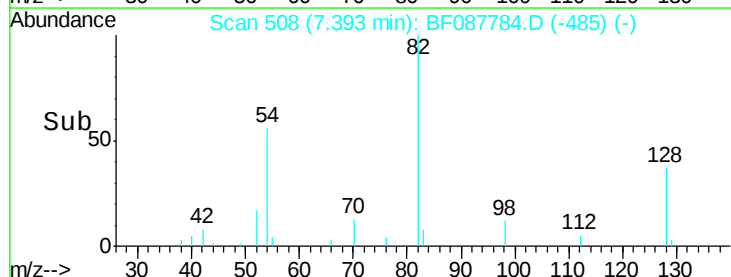
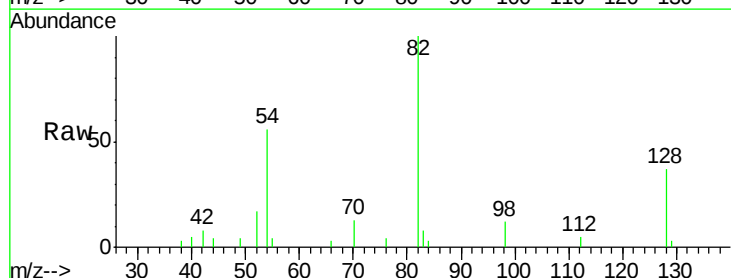
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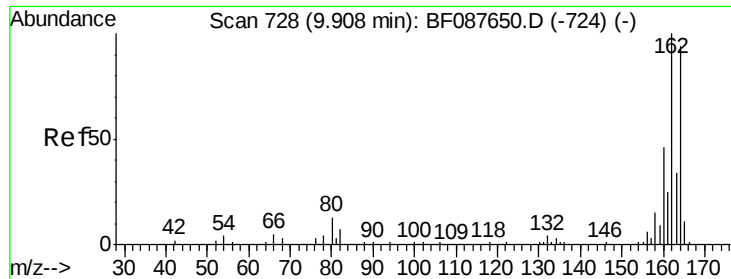
Tot Ion:136	Resp:	432487
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.1 13.7
54	7.6	6.6 10.0
68	5.9	5.1 7.7



#23
Nitrobenzene-d5
Concen: 1.61 ng
RT: 7.39 min Scan# 508
Delta R.T. -0.03 min
Lab File: BF087784.D
Acq: 7 Jun 2016 11:56

Tgt Ion: 82	Resp:	12039
Ion Ratio	Lower	Upper
82	100	
128	36.7	35.9 53.9
54	56.4	40.9 61.3

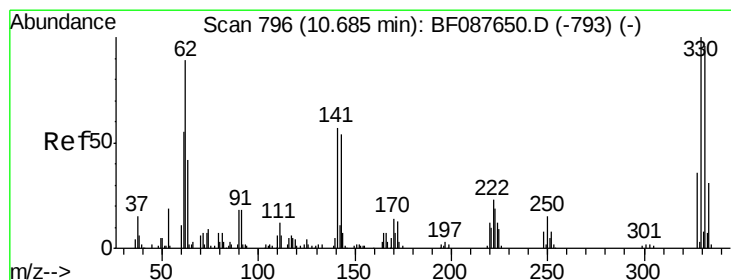
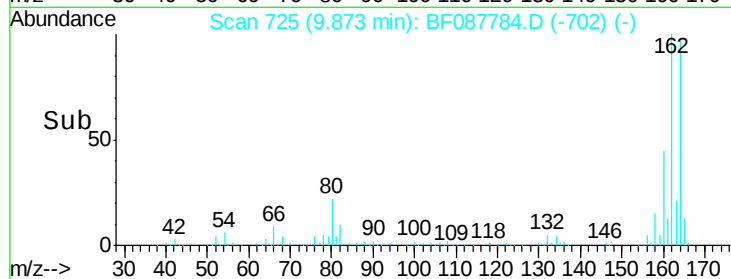
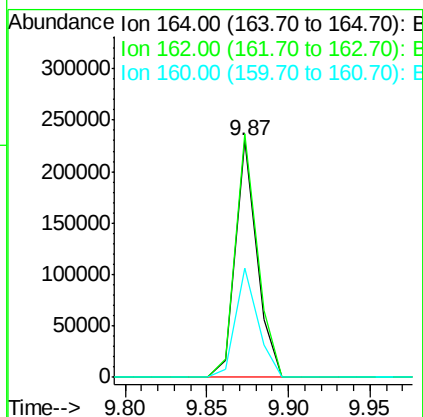
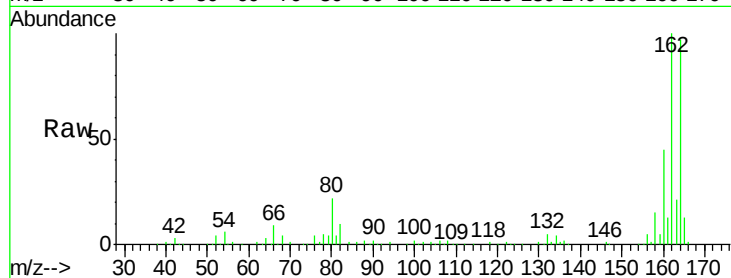




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 725
Delta R.T. -0.03 min
Lab File: BF087784.D
Acq: 7 Jun 2016 11:56

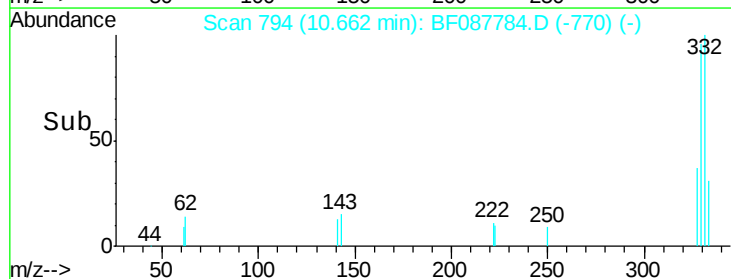
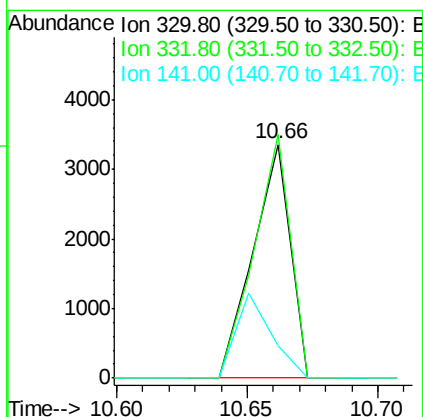
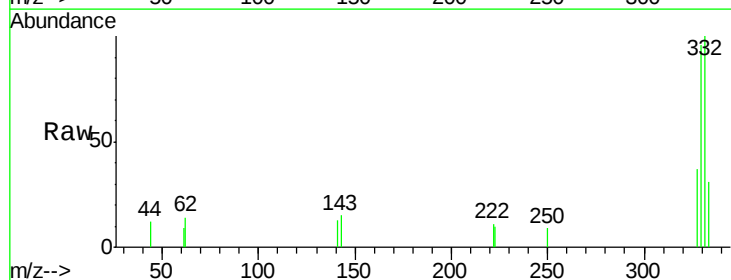
Instrument :
BNA_F
ClientSampleId :
SYSDIS-060216DL

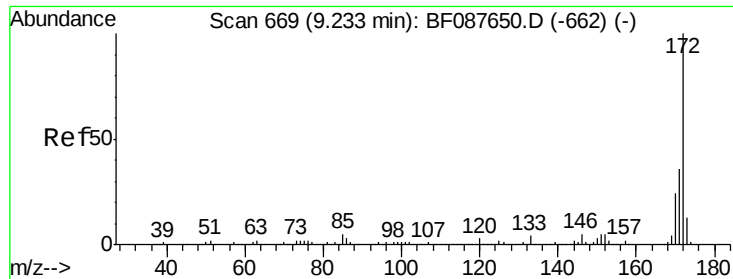
Tot Ion:164 Resp: 208736
Ion Ratio Lower Upper
164 100
162 102.9 85.4 128.2
160 46.0 39.5 59.3



#41
2,4,6-Tribromophenol
Concen: 1.61 ng
RT: 10.66 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF087784.D
Acq: 7 Jun 2016 11:56

Tgt Ion:330 Resp: 3365
Ion Ratio Lower Upper
330 100
332 101.5 0.0 0.0#
141 34.5 0.0 0.0#

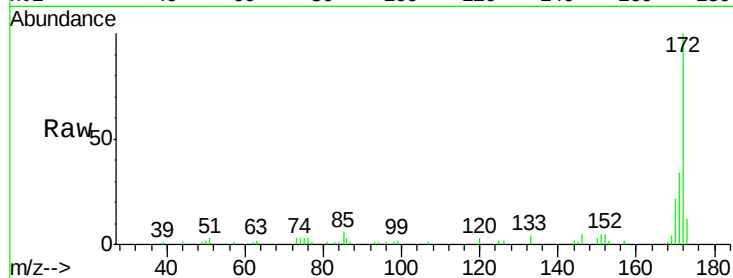




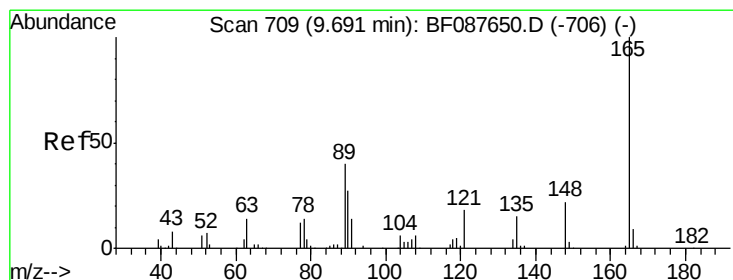
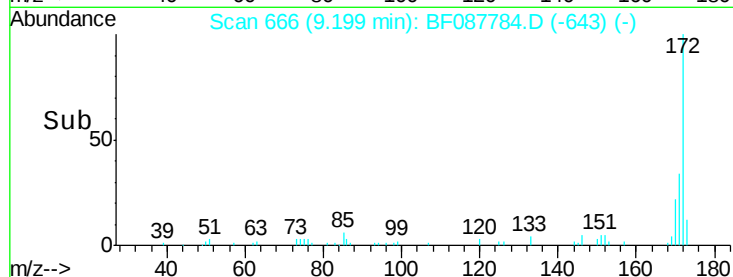
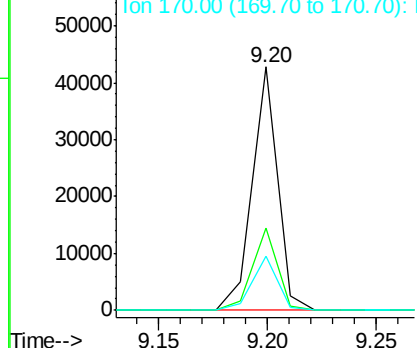
#44
 2-Fluorobiphenyl
 Concen: 2.22 ng
 RT: 9.20 min Scan# 666
 Delta R.T. -0.03 min
 Lab File: BF087784.D
 Acq: 7 Jun 2016 11:56

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-060216DL

Tot Ion:172 Resp: 34481
 Ion Ratio Lower Upper
 172 100
 171 33.8 28.6 43.0
 170 22.3 19.2 28.8

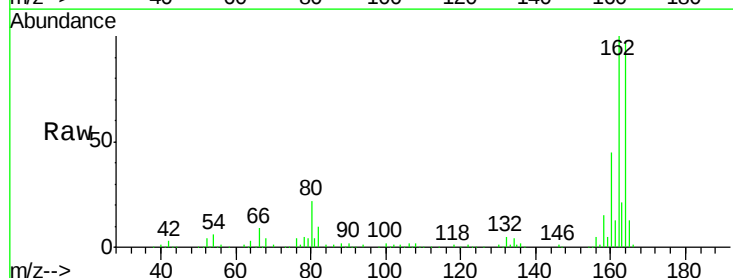


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

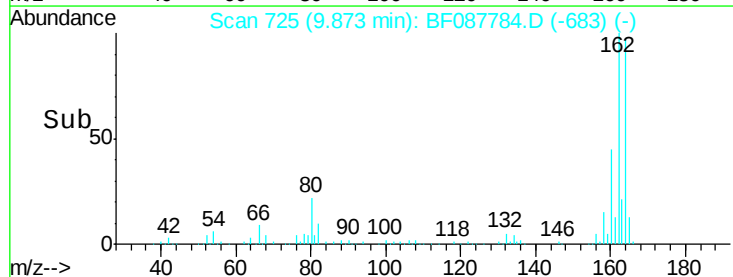
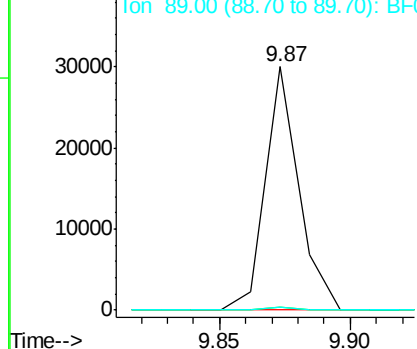


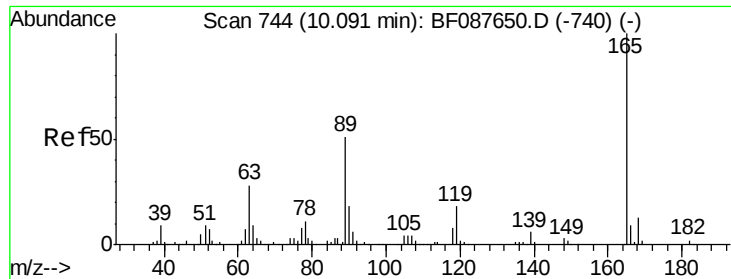
#50
 2,6-Dinitrotoluene
 Concen: 7.78 ng
 RT: 9.87 min Scan# 725
 Delta R.T. 0.18 min
 Lab File: BF087784.D
 Acq: 7 Jun 2016 11:56

Tgt Ion:165 Resp: 26864
 Ion Ratio Lower Upper
 165 100
 63 1.1 28.1 42.1#
 89 1.5 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

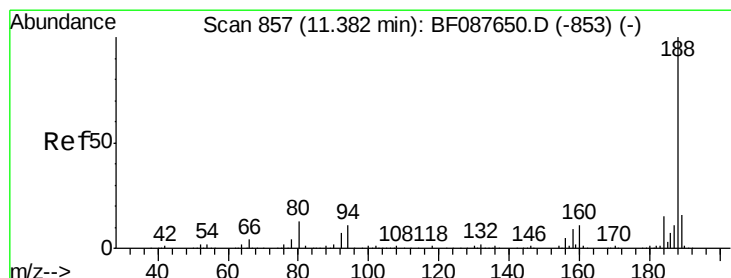
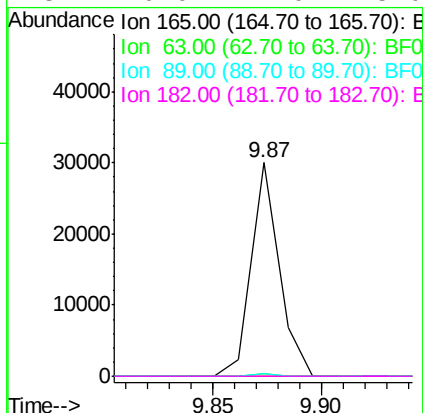
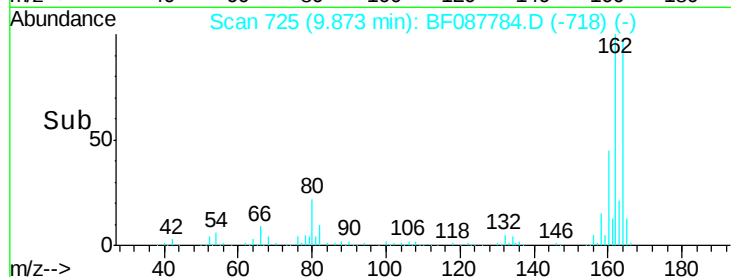
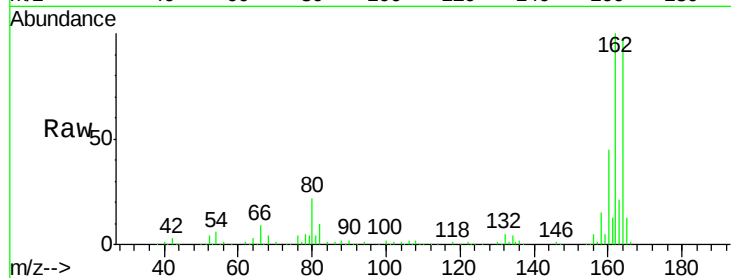




#56
 2,4-Dinitrotoluene
 Concen: 6.11 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.22 min
 Lab File: BF087784.D
 Acq: 7 Jun 2016 11:56

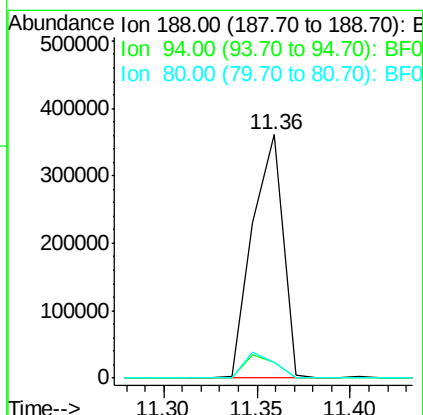
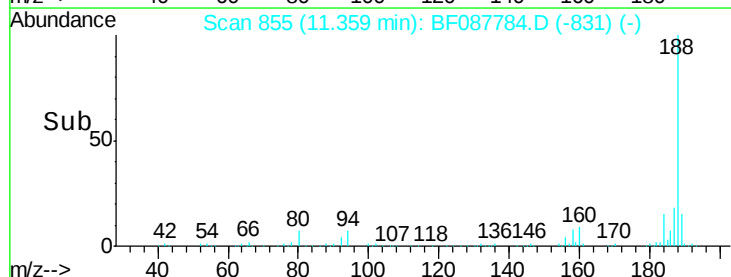
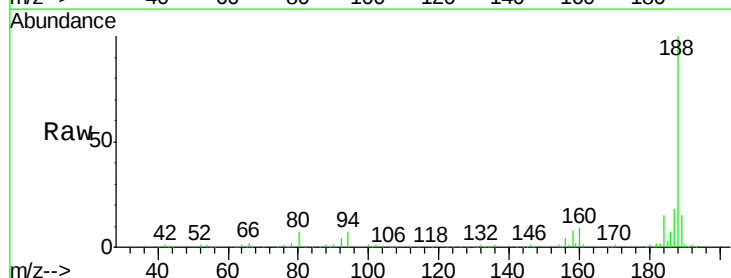
Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-060216DL

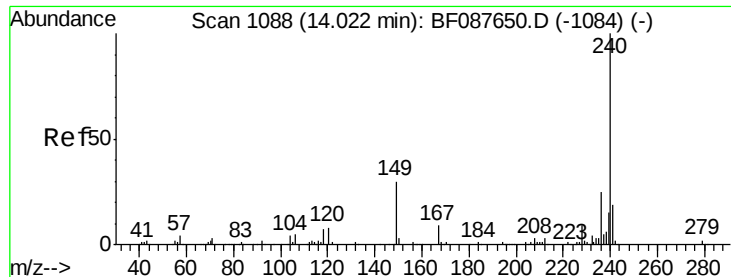
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	22.0	33.0#
89	1.5	41.1	61.7#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 855
 Delta R.T. -0.02 min
 Lab File: BF087784.D
 Acq: 7 Jun 2016 11:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	9.0	13.6#
80	6.5	10.0	15.0#





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.05 min

Lab File: BF087784.D

Acq: 7 Jun 2016 11:56

Instrument :

BNA_F

ClientSampleId :

SYSDIS-060216DL

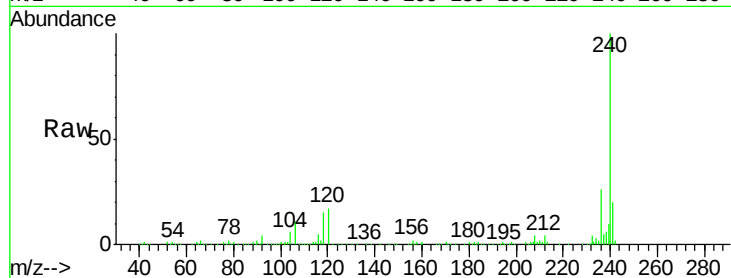
Tot Ion:240 Resp: 313695

Ion Ratio Lower Upper

240 100

120 16.8 6.8 10.2#

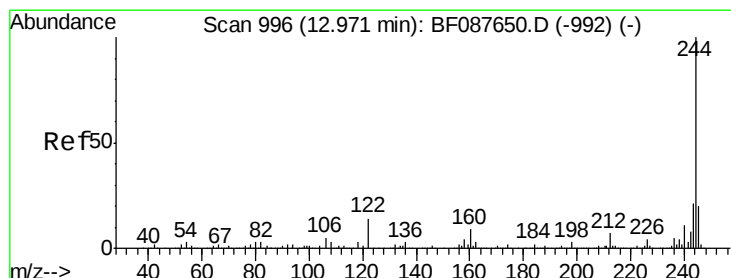
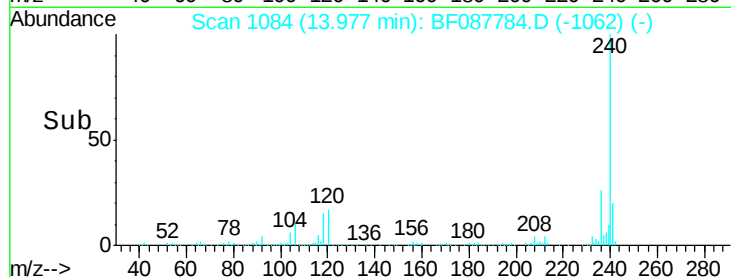
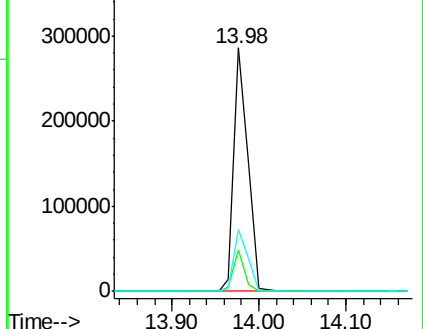
236 25.7 20.2 30.2



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: 2.09 ng

RT: 12.94 min Scan# 993

Delta R.T. -0.03 min

Lab File: BF087784.D

Acq: 7 Jun 2016 11:56

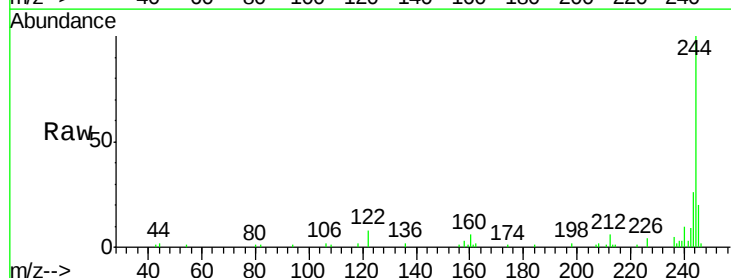
Tgt Ion:244 Resp: 26851

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

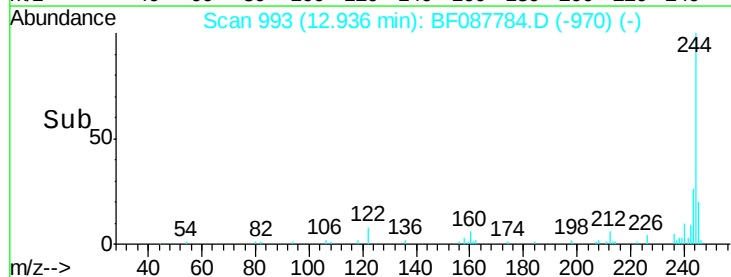
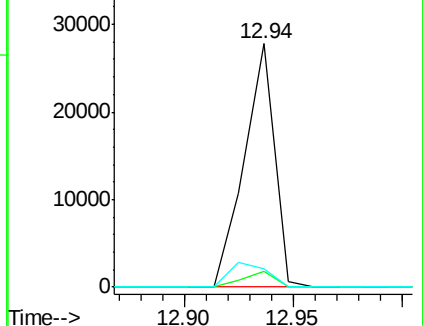
122 7.8 11.2 16.8#

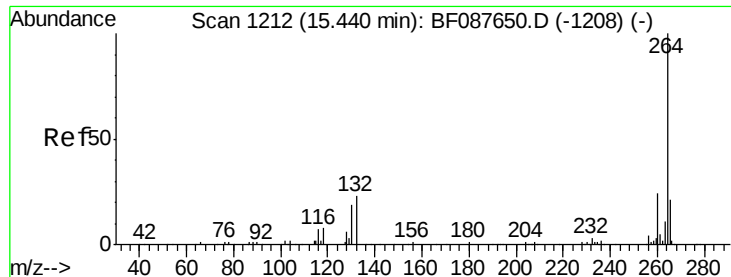


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

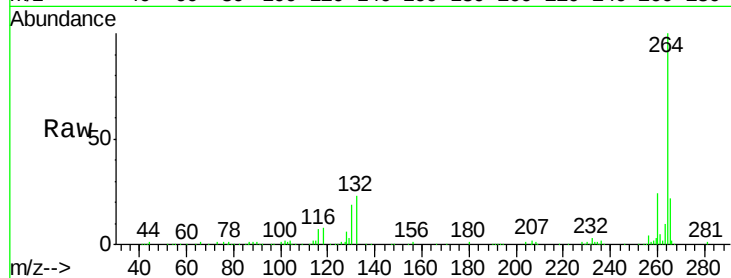




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.39 min Scan# 1208
 Delta R.T. -0.05 min
 Lab File: BF087784.D
 Acq: 7 Jun 2016 11:56

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-060216DL

Tot Ion: 264 Resp: 238828
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 22.0 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

