

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
 Data File : BF082607.D
 Acq On : 31 Oct 2015 8:19
 Operator : UM/IZ
 Sample : G4192-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS10282015

Quant Time: Nov 02 00:24:18 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 31 00:17:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	223181	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	909798	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	481226	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	857627	20.00	ng	0.00
75) Chrysene-d12	14.08	240	644768	20.00	ng	0.00
86) Perylene-d12	15.54	264	442258	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	484318	32.68	ng	0.00
7) Phenol-d6	6.53	99	424395	21.56	ng	0.00
23) Nitrobenzene-d5	7.47	82	1718694	77.14	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	470821	89.40	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	2708119	79.90	ng	0.00
78) Terphenyl-d14	13.03	244	2229966	75.69	ng	0.00

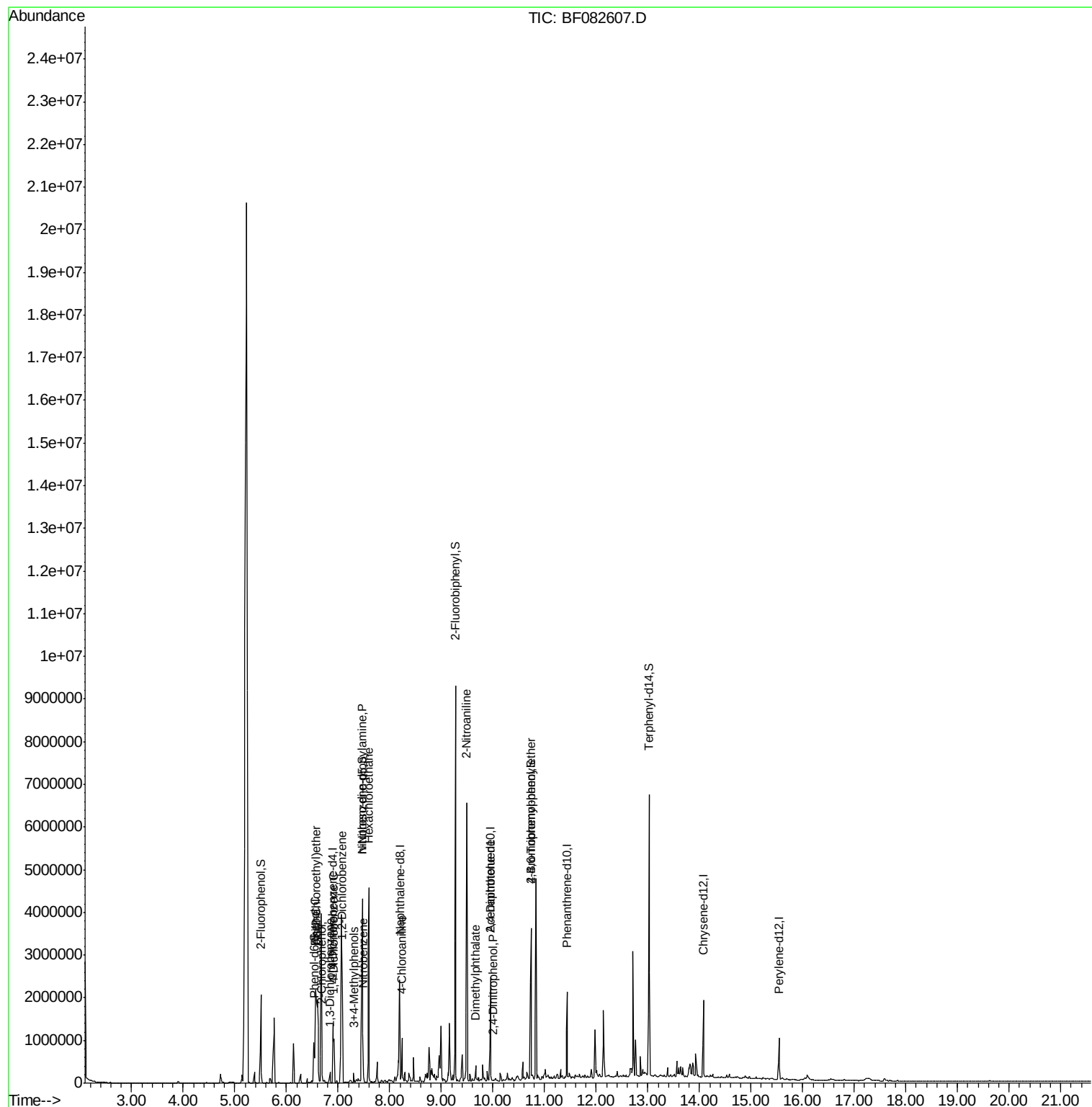
Target Compounds						Qvalue
6) Aniline	6.57	93	2906809	106.05	ng	97
8) 2-Chlorophenol	6.68	128	55115	3.44	ng	# 58
10) Phenol	6.56	94	245144	10.99	ng	# 1
11) bis(2-Chloroethyl)ether	6.57	93	2906809	176.64	ng	# 18
12) 1,3-Dichlorobenzene	6.84	146	44828	2.45	ng	# 89
13) 1,4-Dichlorobenzene	6.92	146	199678	11.01	ng	94
14) 1,2-Dichlorobenzene	7.08	146	566299	33.65	ng	98
18) Hexachloroethane	7.60	117	45755	6.47	ng	# 1
19) n-Nitroso-di-n-propylamine	7.47	70	250573	16.79	ng	# 72
20) 3+4-Methylphenols	7.30	107	51935	2.93	ng	# 34
24) Nitrobenzene	7.48	77	286627	12.73	ng	# 86
33) 4-Chloroaniline	8.24	127	226338	10.77	ng	95
47) 2-Nitroaniline	9.49	65	121638	9.86	ng	# 26
49) Dimethylphthalate	9.66	163	139781	3.56	ng	98
53) 2,4-Dinitrophenol	10.00	184	777	6.86	ng	# 7
56) 2,4-Dinitrotoluene	9.95	165	62983	5.72	ng	# 17
66) 4-Bromophenyl-phenylether	10.74	248	35246	3.63	ng	# 1

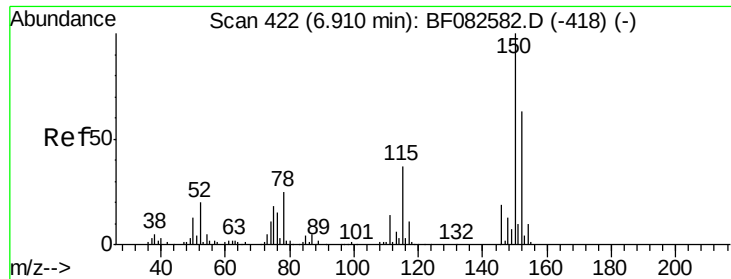
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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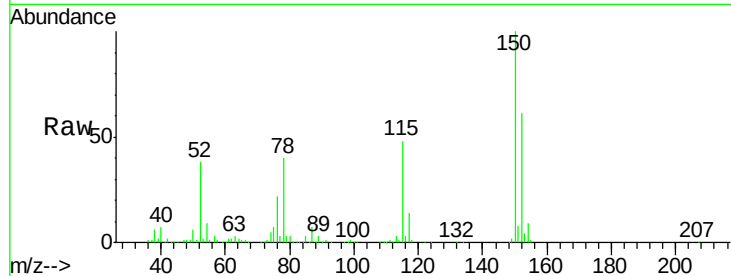


#1

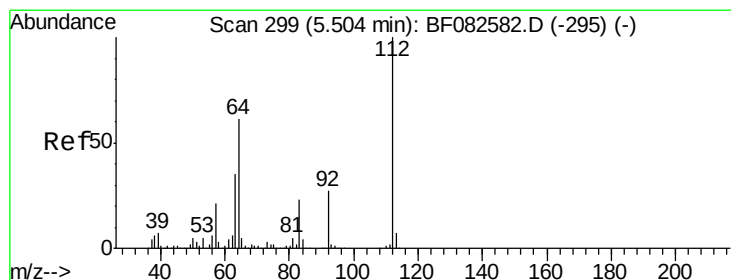
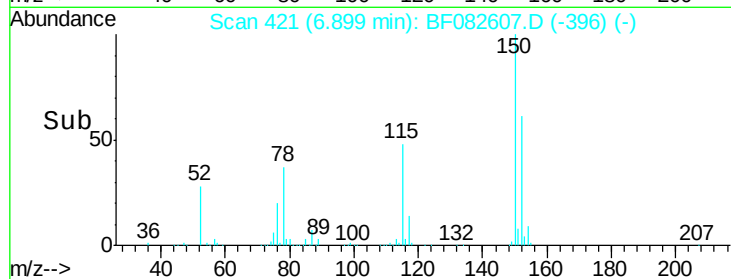
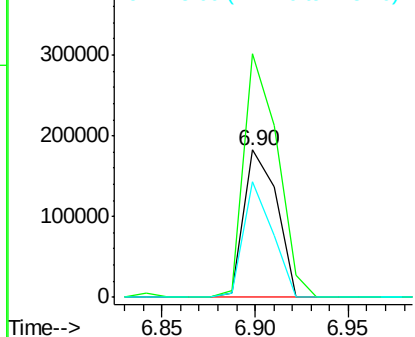
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.90 min Scan# 421
 Delta R.T. -0.01 min
 Lab File: BF082607.D
 Acq: 31 Oct 2015 8:19

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS10282015

Tgt Ion:152 Resp: 223181
 Ion Ratio Lower Upper
 152 100
 150 165.1 127.0 190.4
 115 78.7 47.0 70.6#



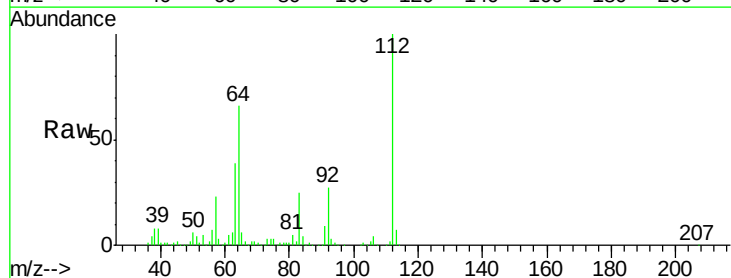
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



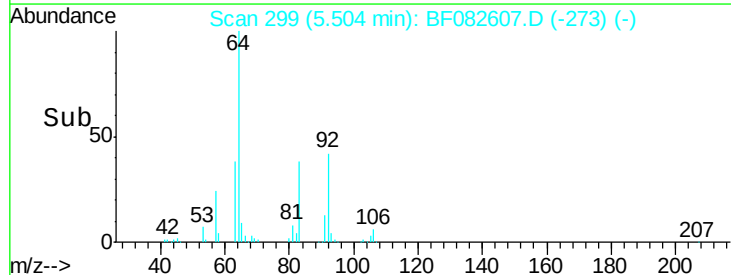
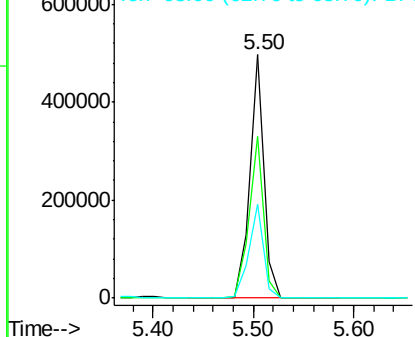
#5

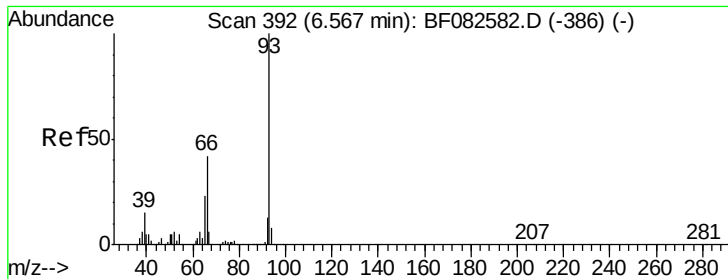
2-Fluorophenol
 Concen: 32.68 ng
 RT: 5.50 min Scan# 299
 Delta R.T. -0.00 min
 Lab File: BF082607.D
 Acq: 31 Oct 2015 8:19

Tgt Ion:112 Resp: 484318
 Ion Ratio Lower Upper
 112 100
 64 66.5 48.9 73.3
 63 38.7 28.1 42.1



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: 106.05 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.00 min

Lab File: BF082607.D

Acq: 31 Oct 2015 8:19

Instrument :

BNA_F

ClientSampleId :

SYSDIS10282015

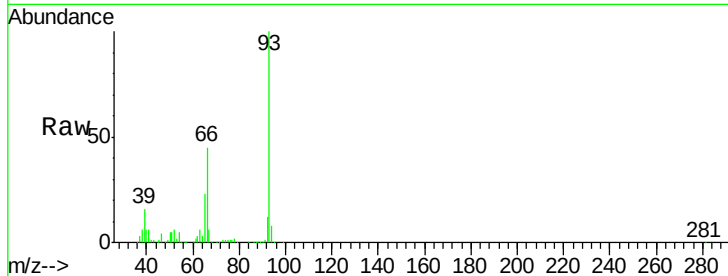
Tgt Ion: 93 Resp: 2906809

Ion Ratio Lower Upper

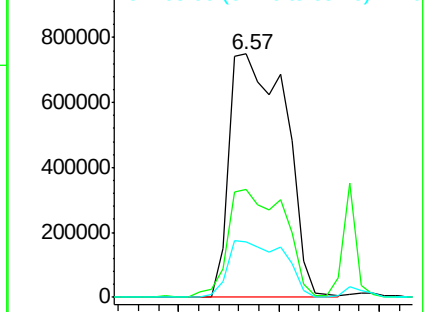
93 100

66 44.5 33.6 50.4

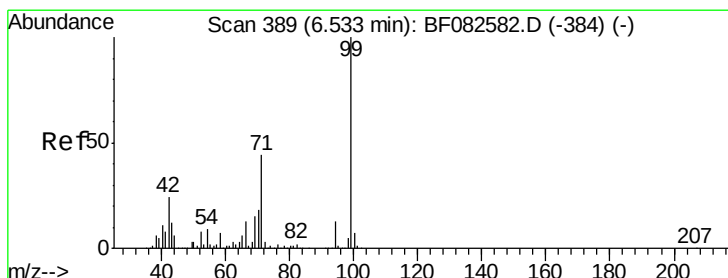
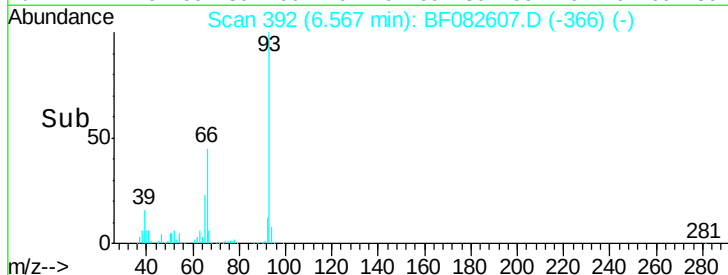
65 22.7 18.1 27.1



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



Time-->



#7

Phenol-d6

Concen: 21.56 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF082607.D

Acq: 31 Oct 2015 8:19

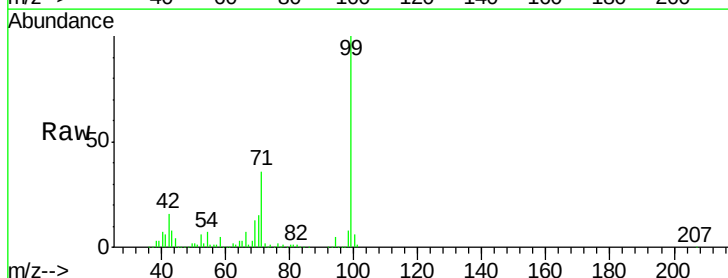
Tgt Ion: 99 Resp: 424395

Ion Ratio Lower Upper

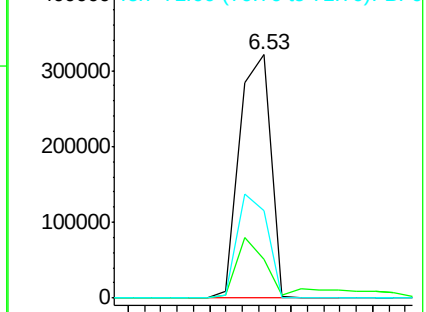
99 100

42 16.1 19.2 28.8#

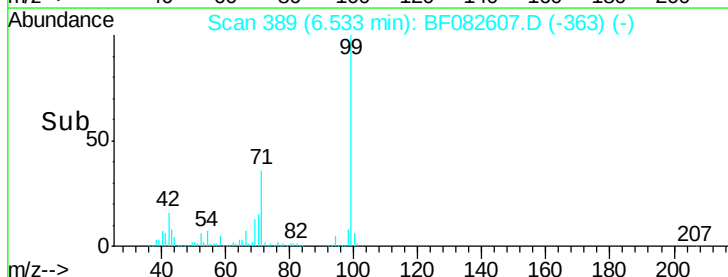
71 35.7 35.0 52.4

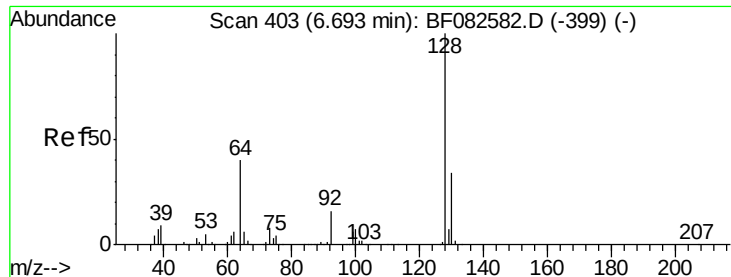


Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



Time-->





#8

2-Chlorophenol

Concen: 3.44 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF082607.D

Acq: 31 Oct 2015 8:19

Instrument :

BNA_F

ClientSampleId :

SYSDIS10282015

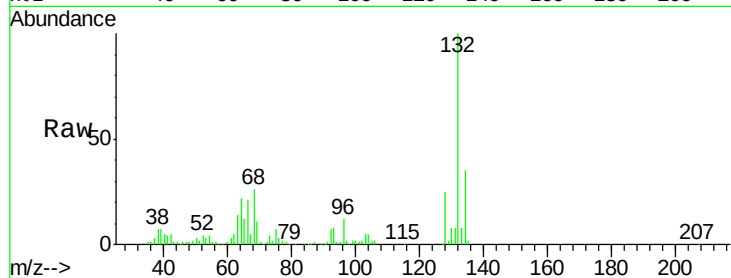
Tgt Ion:128 Resp: 55115

Ion Ratio Lower Upper

128 100

130 33.4 13.5 53.5

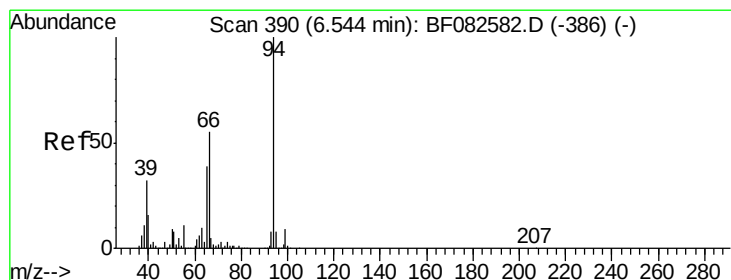
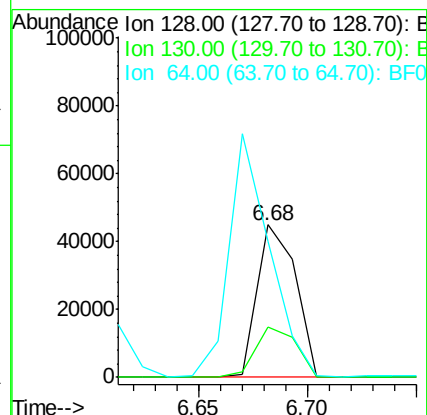
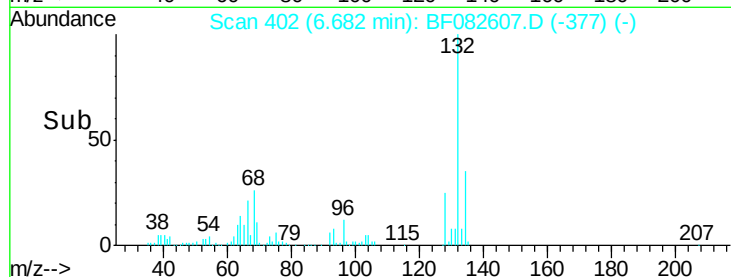
64 89.0 21.1 61.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#10

Phenol

Concen: 10.99 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.01 min

Lab File: BF082607.D

Acq: 31 Oct 2015 8:19

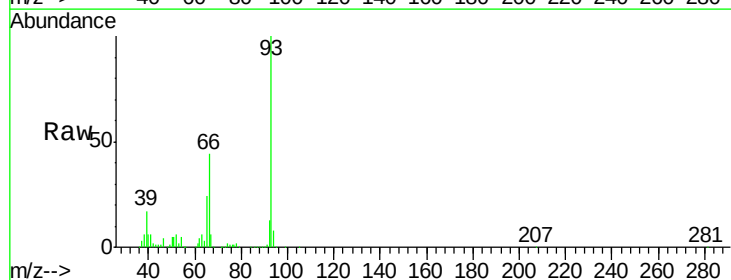
Tgt Ion: 94 Resp: 245144

Ion Ratio Lower Upper

94 100

65 308.8 18.9 58.9#

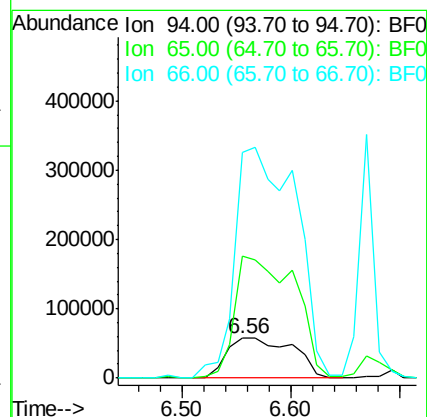
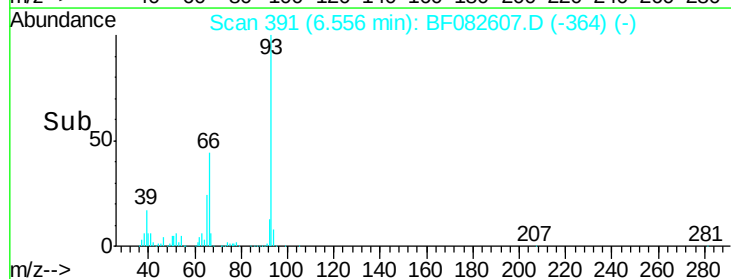
66 569.3 34.9 74.9#

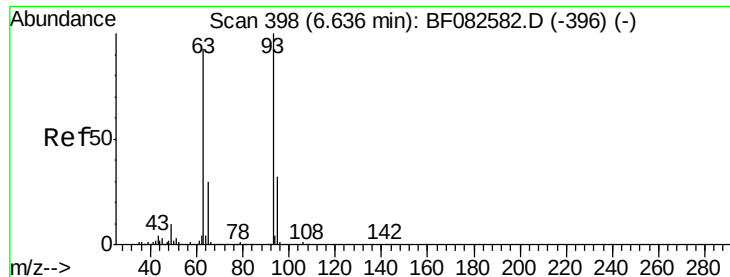


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

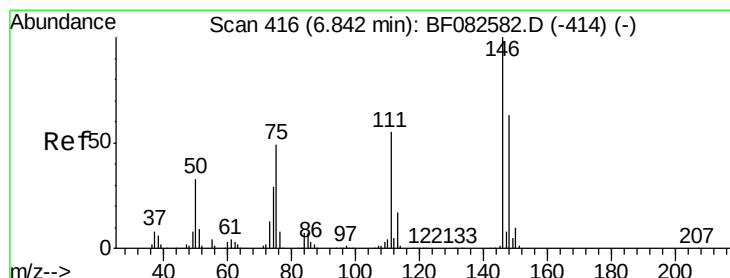
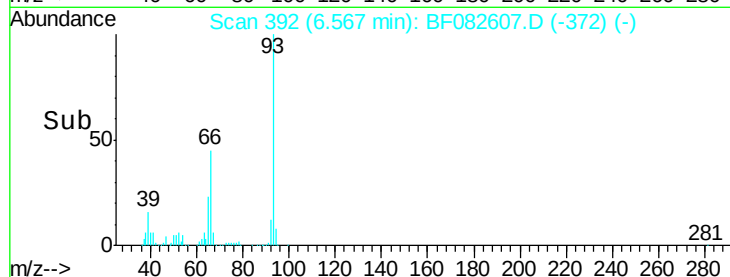
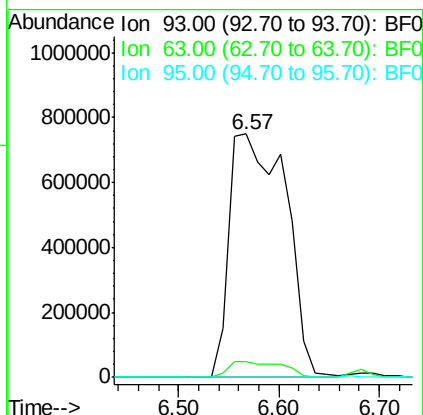
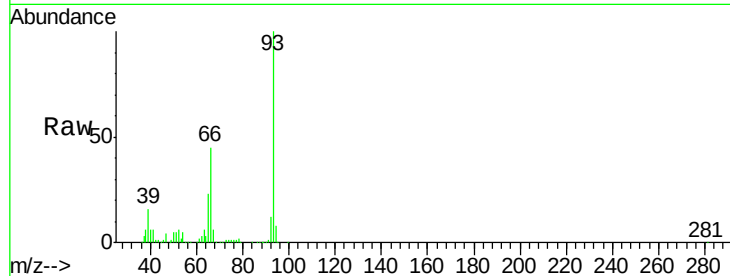




#11
bis(2-Chloroethyl)ether
Concen: 176.64 ng
RT: 6.57 min Scan# 392
Delta R.T. -0.07 min
Lab File: BF082607.D
Acq: 31 Oct 2015 8:19

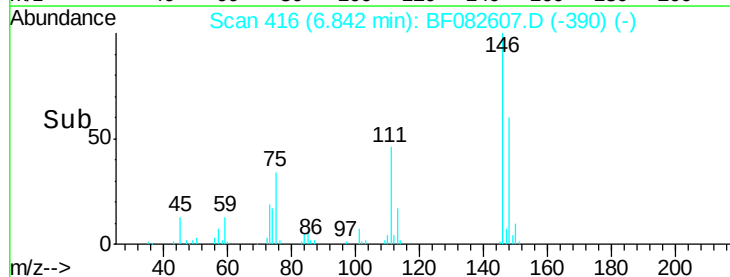
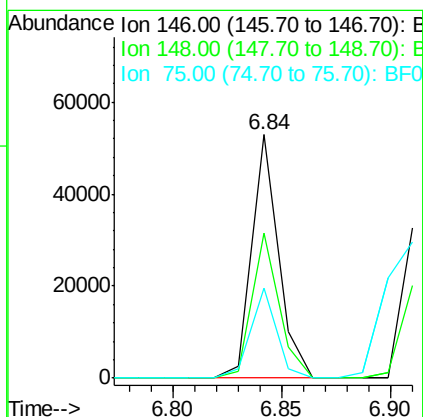
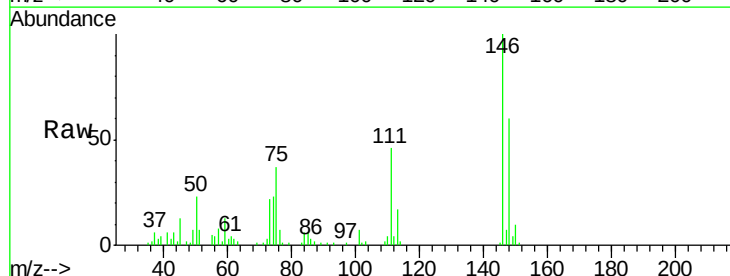
Instrument :
BNA_F
ClientSampleId :
SYSDIS10282015

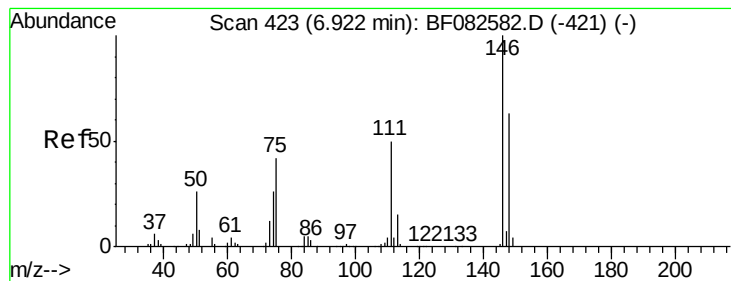
Tgt Ion: 93 Resp: 2906809
Ion Ratio Lower Upper
93 100
63 6.3 72.7 112.7#
95 0.2 12.0 52.0#



#12
1,3-Dichlorobenzene
Concen: 2.45 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.00 min
Lab File: BF082607.D
Acq: 31 Oct 2015 8:19

Tgt Ion: 146 Resp: 44828
Ion Ratio Lower Upper
146 100
148 59.5 50.5 75.7
75 37.0 39.5 59.3#





#13

1,4-Dichlorobenzene

Concen: 11.01 ng

RT: 6.92 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF082607.D

Acq: 31 Oct 2015 8:19

Instrument :

BNA_F

ClientSampleId :

SYSDIS10282015

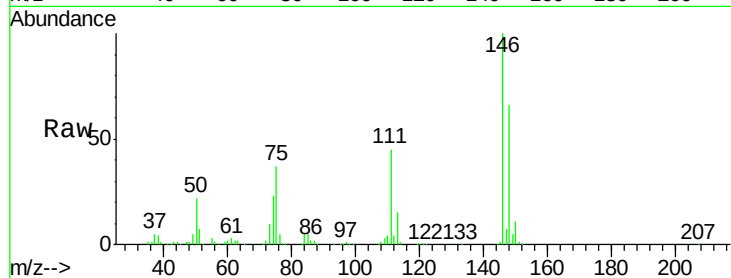
Tgt Ion:146 Resp: 199678

Ion Ratio Lower Upper

146 100

148 65.7 50.8 76.2

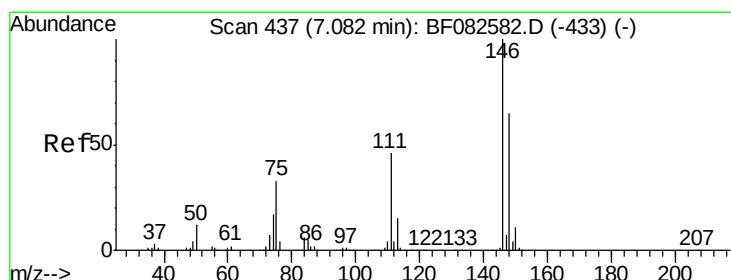
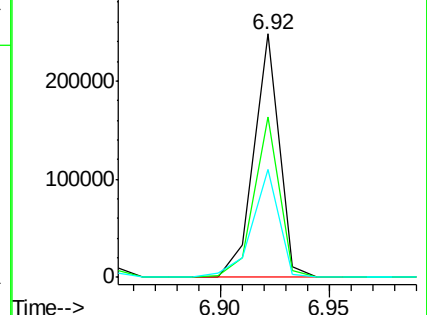
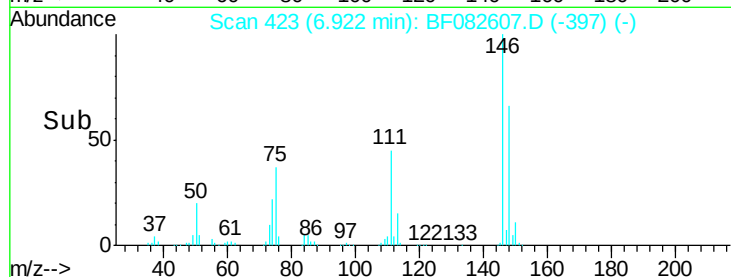
111 44.5 40.6 60.8



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: 33.65 ng

RT: 7.08 min Scan# 437

Delta R.T. -0.00 min

Lab File: BF082607.D

Acq: 31 Oct 2015 8:19

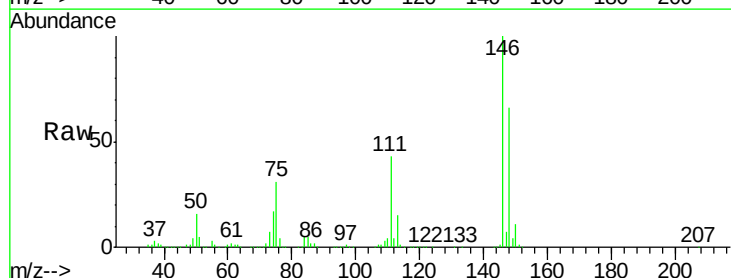
Tgt Ion:146 Resp: 566299

Ion Ratio Lower Upper

146 100

148 65.7 52.2 78.4

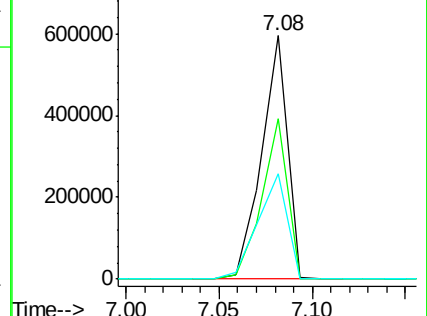
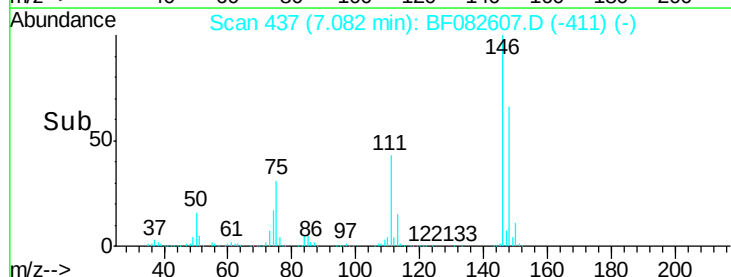
111 43.4 36.6 55.0

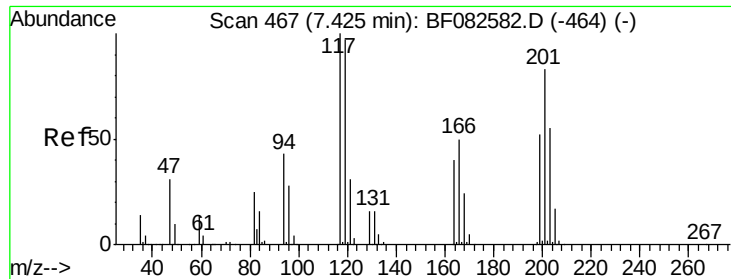


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

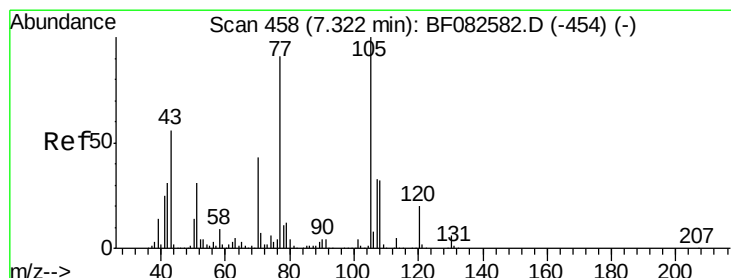
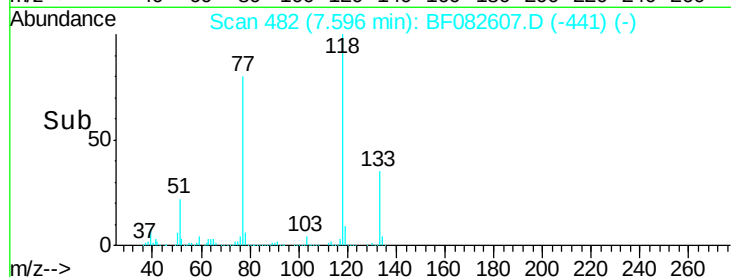
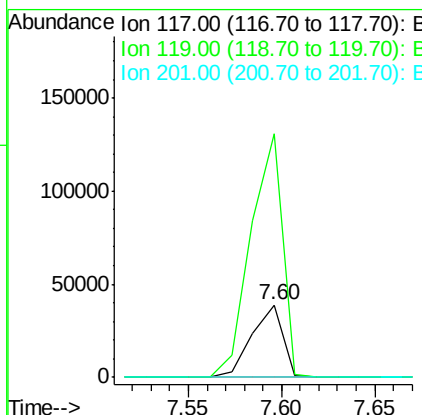
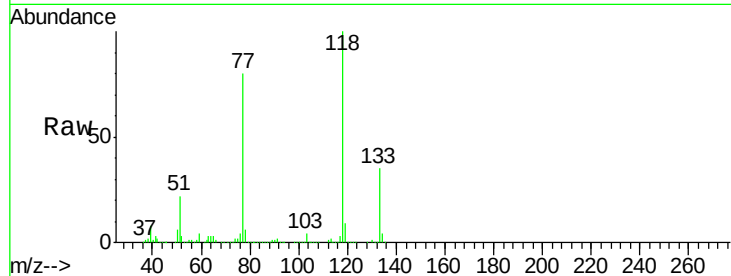




#18
Hexachloroethane
Concen: 6.47 ng
RT: 7.60 min Scan# 482
Delta R.T. 0.17 min
Lab File: BF082607.D
Acq: 31 Oct 2015 8:19

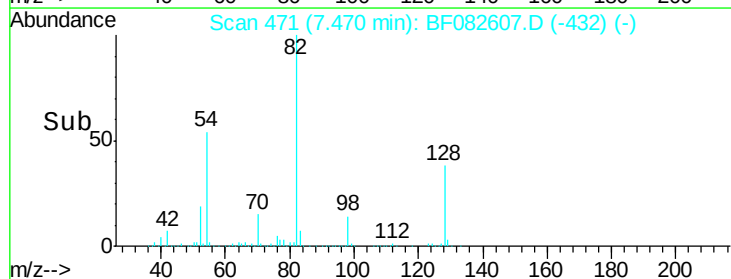
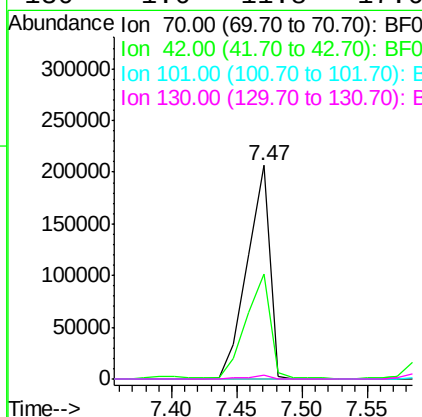
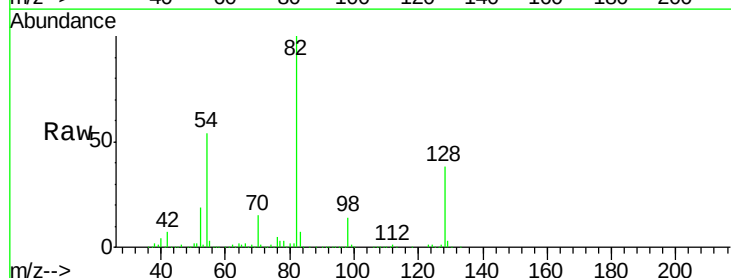
Instrument :
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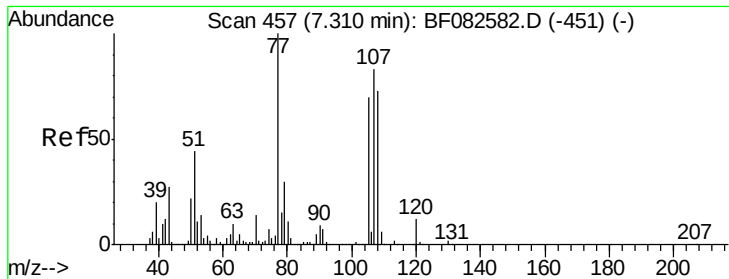
Tgt Ion: 117 Resp: 45755
Ion Ratio Lower Upper
117 100
119 336.3 77.7 116.5#
201 0.0 66.7 100.1#



#19
n-Nitroso-di-n-propylamine
Concen: 16.79 ng
RT: 7.47 min Scan# 471
Delta R.T. 0.15 min
Lab File: BF082607.D
Acq: 31 Oct 2015 8:19

Tgt Ion: 70 Resp: 250573
Ion Ratio Lower Upper
70 100
42 49.2 57.7 86.5#
101 0.0 7.0 10.6#
130 1.6 11.8 17.6#





#20

3+4-Methylphenols

Concen: 2.93 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF082607.D

Acq: 31 Oct 2015 8:19

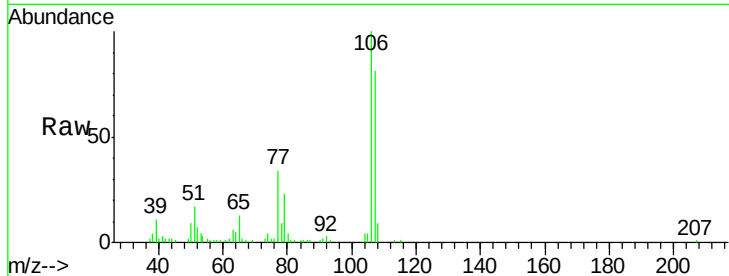
Instrument :

BNA_F

ClientSampleId :

SYSDIS10282015

Tgt Ion:	107	Resp:	51935
Ion Ratio	Lower	Upper	
107	100		
108	11.1	67.3	107.3#
77	41.3	100.3	140.3#
79	28.5	16.2	56.2

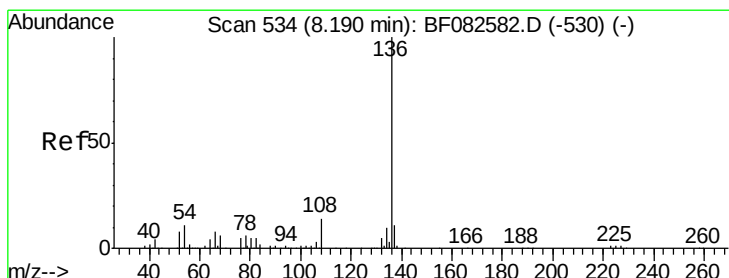
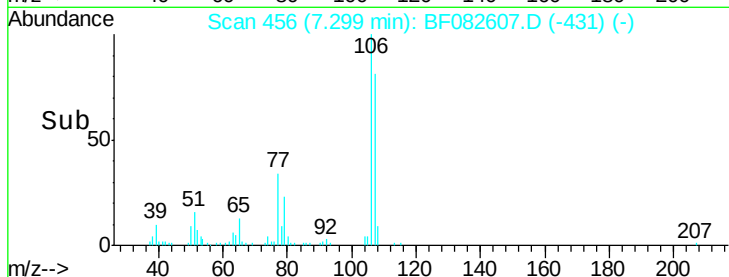
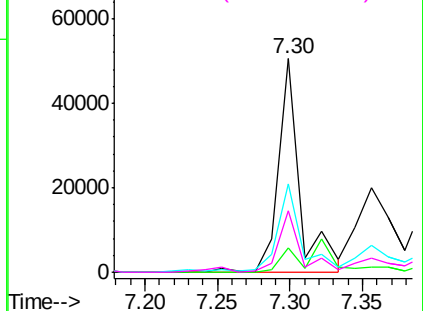


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.00 min

Lab File: BF082607.D

Acq: 31 Oct 2015 8:19

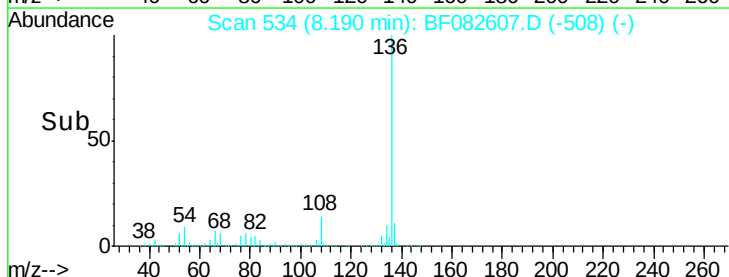
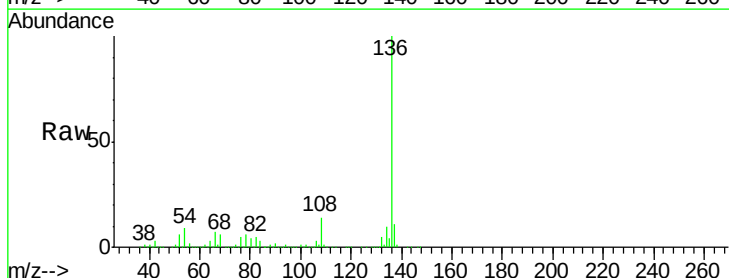
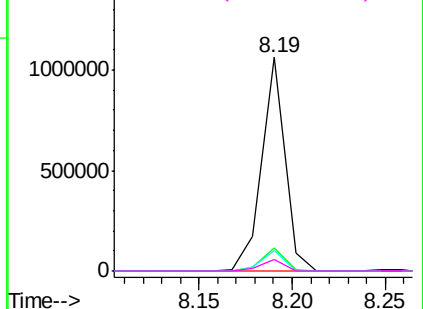
Tgt Ion:	136	Resp:	909798
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	9.4	9.1	13.7
68	5.7	4.8	7.2

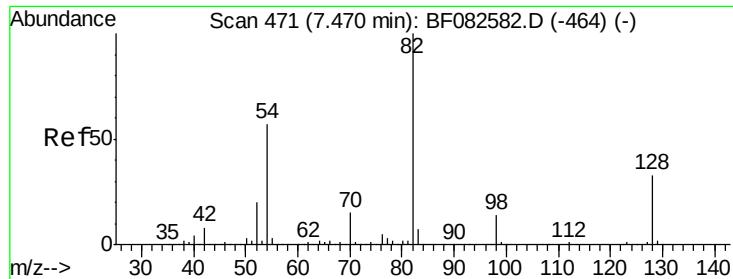
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

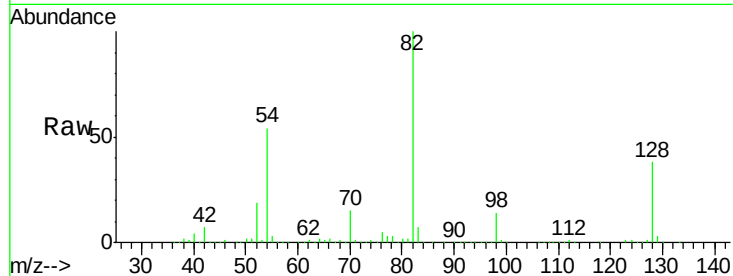




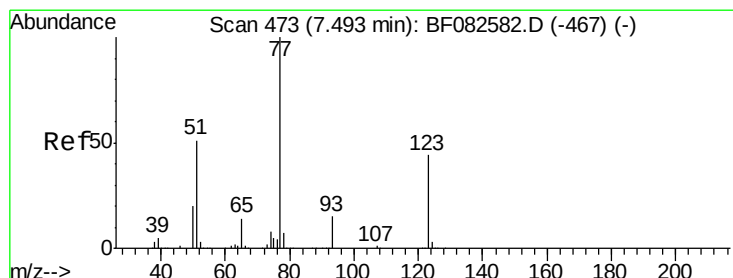
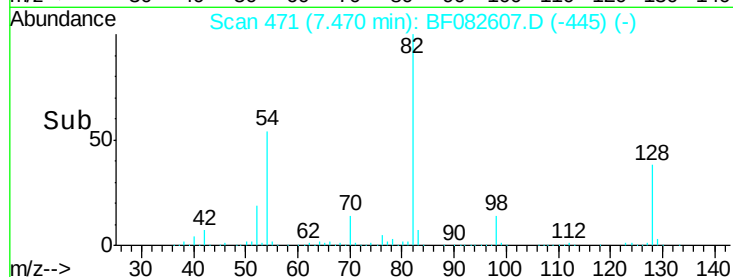
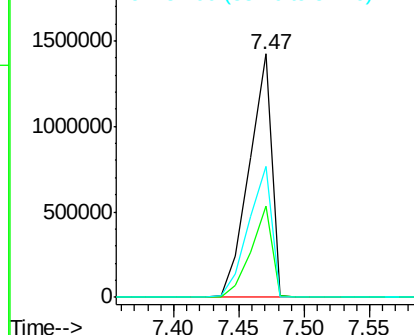
#23
 Nitrobenzene-d5
 Concen: 77.14 ng
 RT: 7.47 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: BF082607.D
 Acq: 31 Oct 2015 8:19

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS10282015

Tgt Ion: 82 Resp: 1718694
 Ion Ratio Lower Upper
 82 100
 128 37.6 26.8 40.2
 54 53.7 45.7 68.5

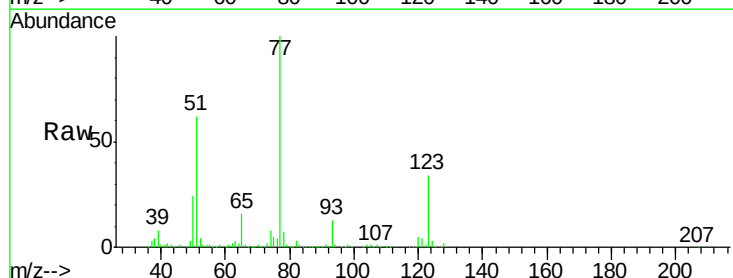


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

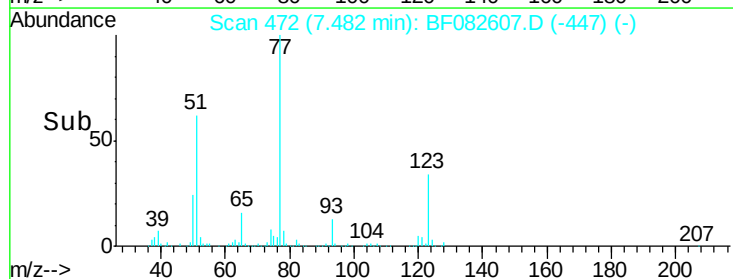
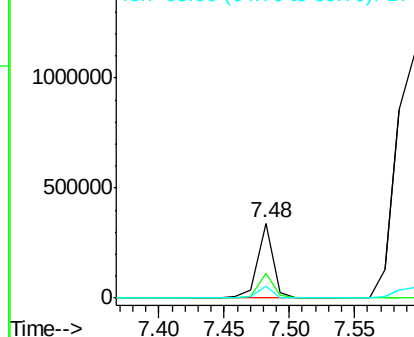


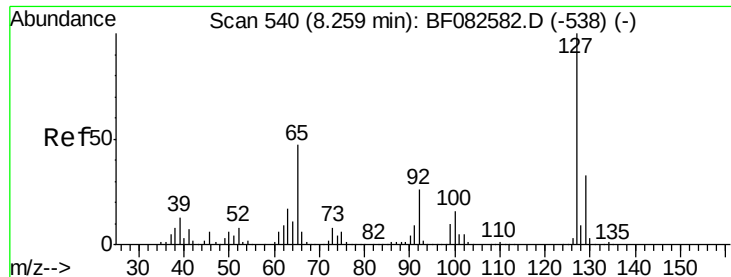
#24
 Nitrobenzene
 Concen: 12.73 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.01 min
 Lab File: BF082607.D
 Acq: 31 Oct 2015 8:19

Tgt Ion: 77 Resp: 286627
 Ion Ratio Lower Upper
 77 100
 123 33.6 36.4 54.6#
 65 15.6 11.5 17.3



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0

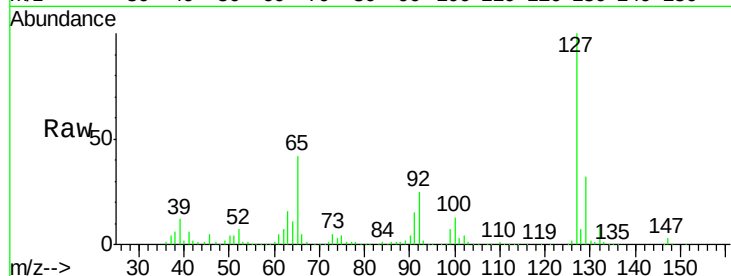




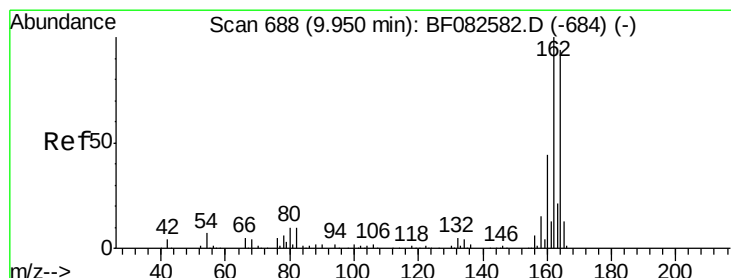
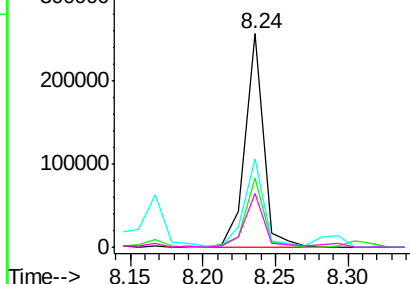
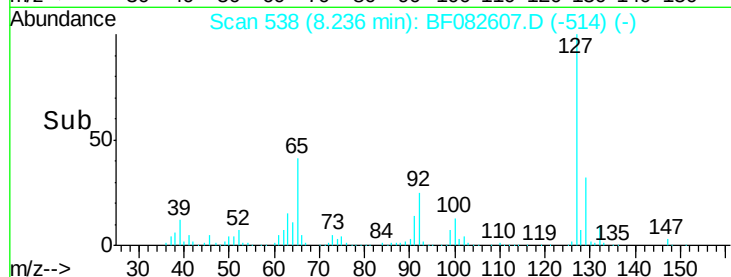
#33
4-Chloroaniline
Concen: 10.77 ng
RT: 8.24 min Scan# 538
Delta R.T. -0.02 min
Lab File: BF082607.D
Acq: 31 Oct 2015 8:19

Instrument :
BNA_F
ClientSampleId :
SYSDIS10282015

Tgt Ion:	127	Resp:	226338
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.3	39.5
65	41.6	37.8	56.8
92	24.9	20.6	31.0

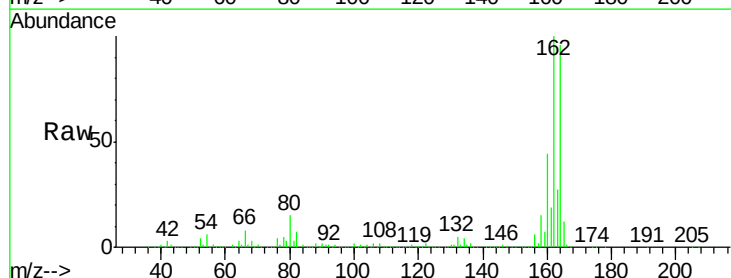


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

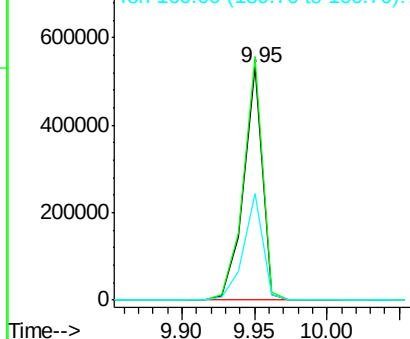
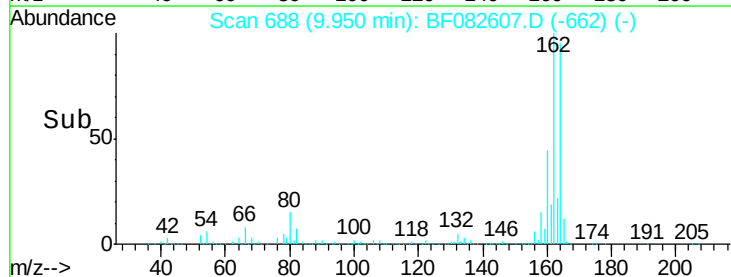


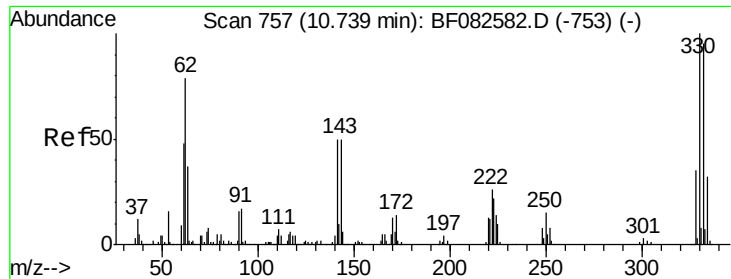
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.00 min
Lab File: BF082607.D
Acq: 31 Oct 2015 8:19

Tgt Ion:	164	Resp:	481226
Ion	Ratio	Lower	Upper
164	100		
162	104.3	84.9	127.3
160	45.9	37.5	56.3



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

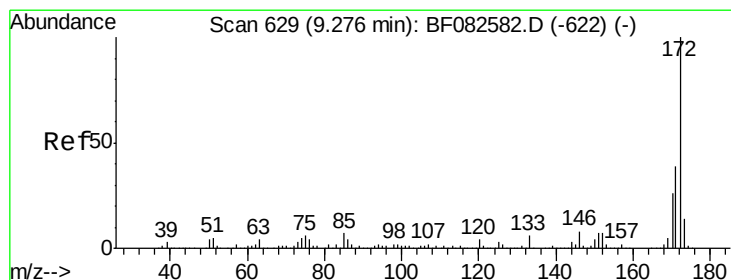
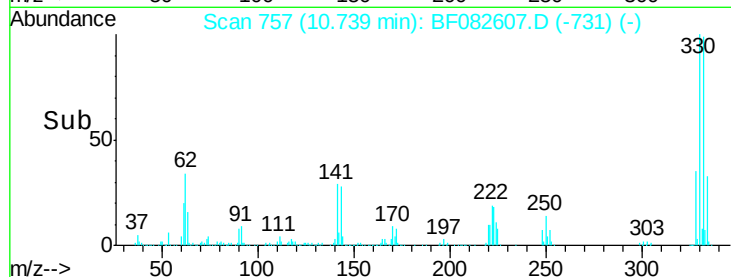
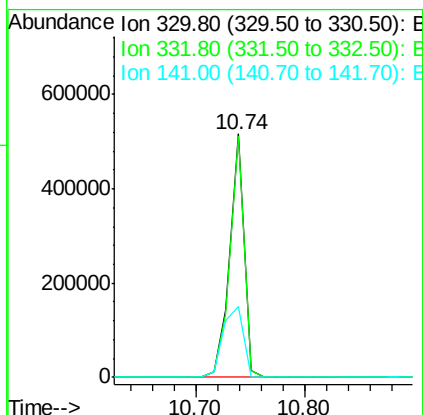
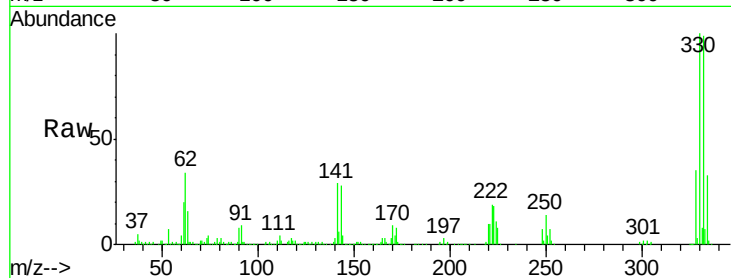




#41
 2,4,6-Tribromophenol
 Concen: 89.40 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.00 min
 Lab File: BF082607.D
 Acq: 31 Oct 2015 8:19

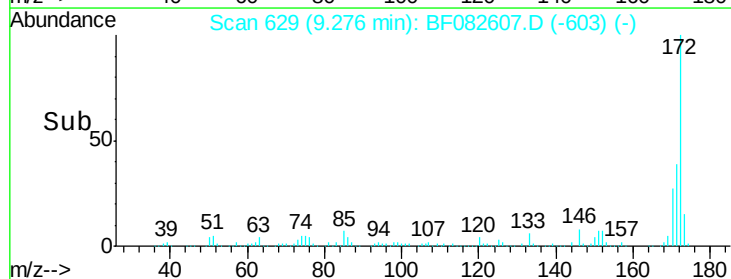
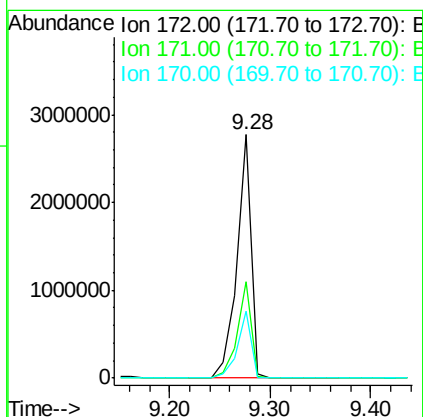
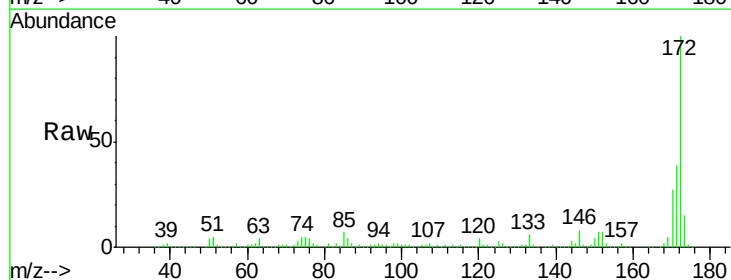
Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS10282015

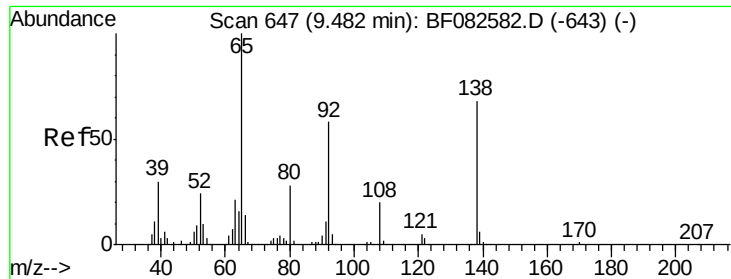
Tgt Ion:330 Resp: 470821
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.6 114.8
 141 42.6 41.2 61.8



#44
 2-Fluorobiphenyl
 Concen: 79.90 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: BF082607.D
 Acq: 31 Oct 2015 8:19

Tgt Ion:172 Resp: 2708119
 Ion Ratio Lower Upper
 172 100
 171 39.4 30.8 46.2
 170 27.4 21.2 31.8

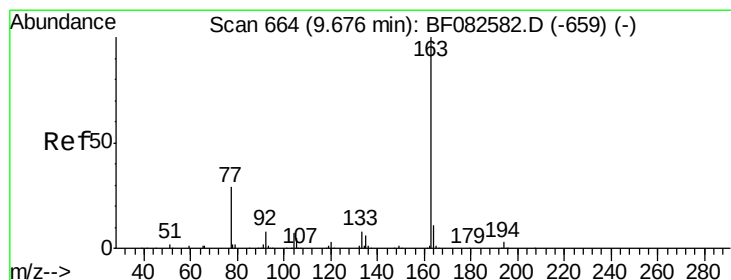
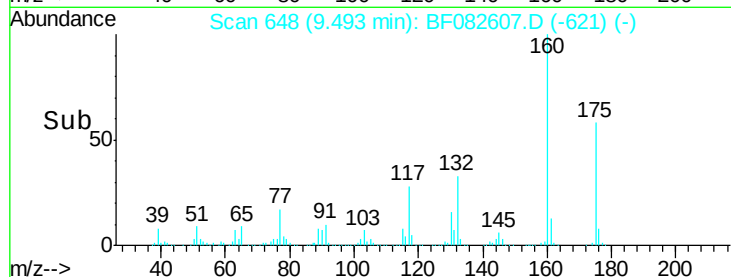
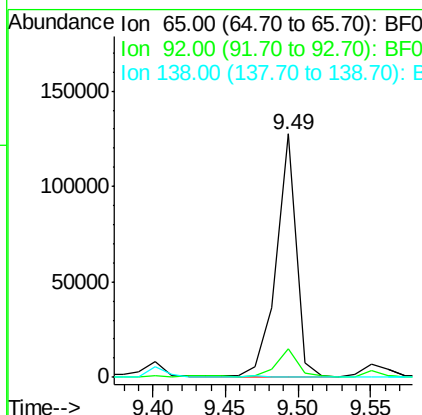
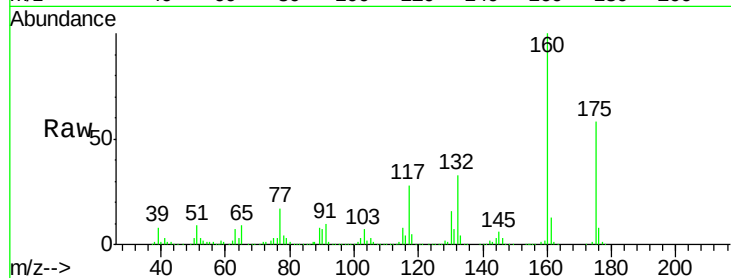




#47
 2-Nitroaniline
 Concen: 9.86 ng
 RT: 9.49 min Scan# 648
 Delta R.T. 0.01 min
 Lab File: BF082607.D
 Acq: 31 Oct 2015 8:19

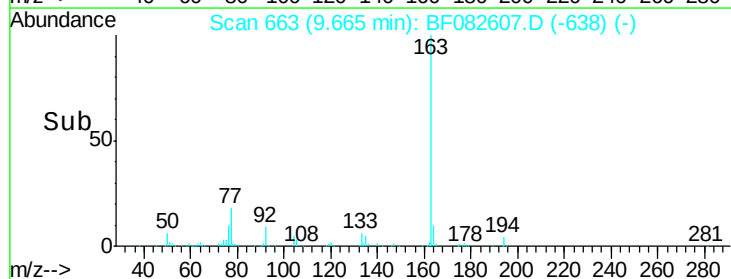
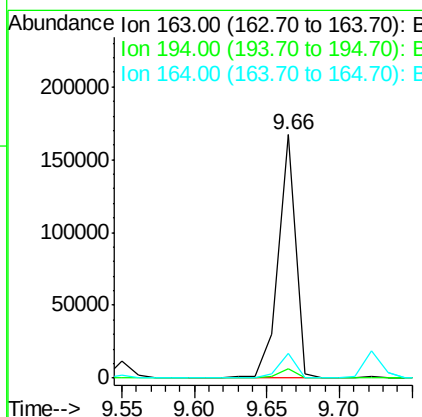
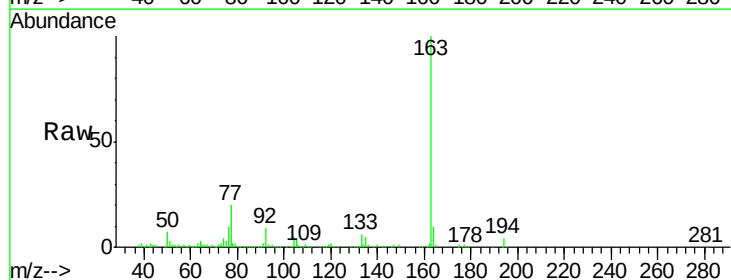
Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS10282015

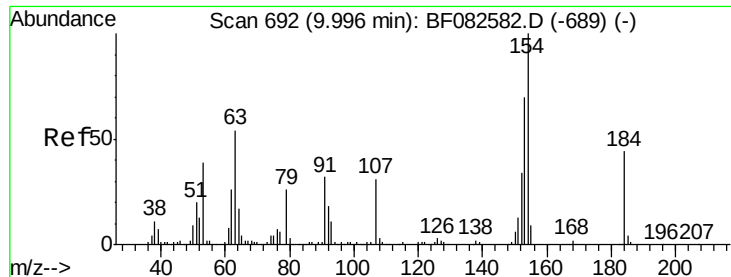
Tgt Ion: 65 Resp: 121638
 Ion Ratio Lower Upper
 65 100
 92 12.0 46.6 70.0#
 138 0.0 54.6 81.8#



#49
 Dimethylphthalate
 Concen: 3.56 ng
 RT: 9.66 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF082607.D
 Acq: 31 Oct 2015 8:19

Tgt Ion: 163 Resp: 139781
 Ion Ratio Lower Upper
 163 100
 194 3.6 2.6 4.0
 164 10.3 8.7 13.1

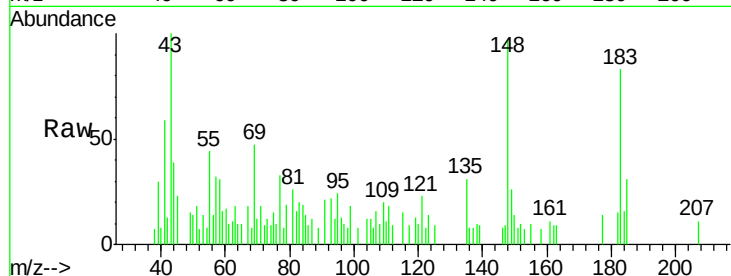




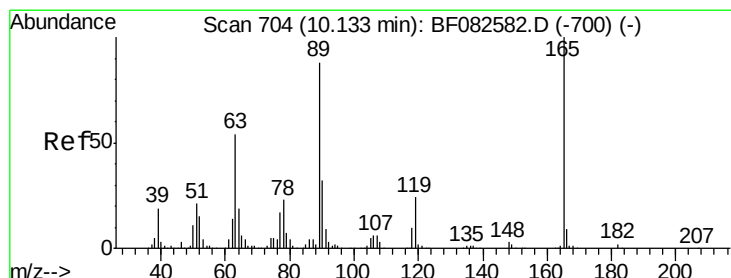
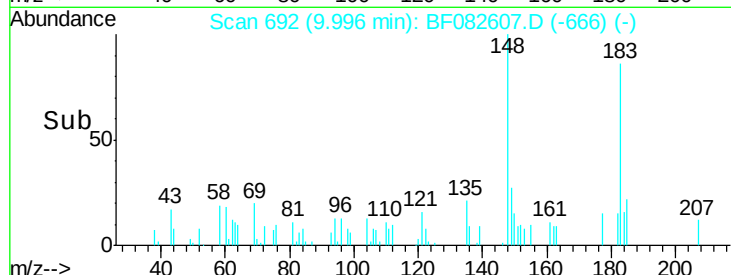
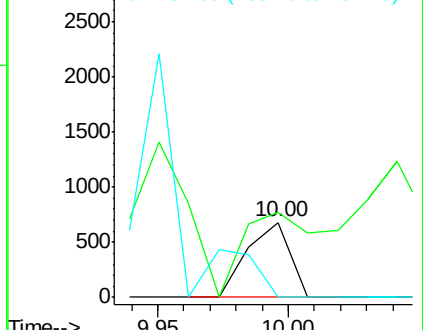
#53
2,4-Dinitrophenol
Concen: 6.86 ng
RT: 10.00 min Scan# 692
Delta R.T. 0.00 min
Lab File: BF082607.D
Acq: 31 Oct 2015 8:19

Instrument :
BNA_F
ClientSampleId :
SYSDIS10282015

Tgt Ion:184 Resp: 777
Ion Ratio Lower Upper
184 100
63 114.2 98.6 148.0
154 0.0 183.9 275.9#

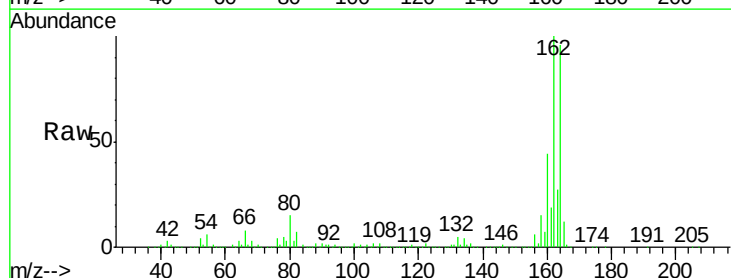


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

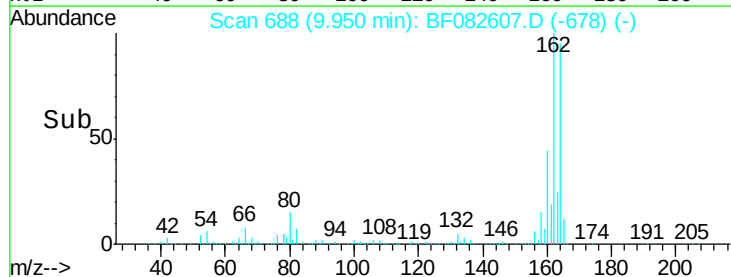
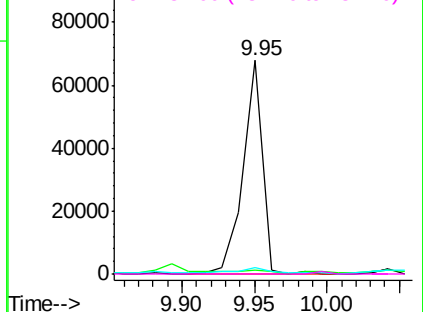


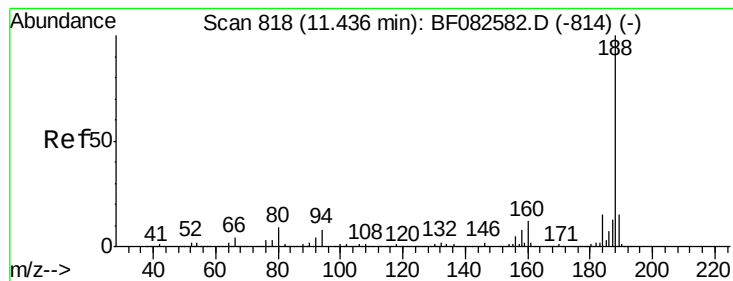
#56
2,4-Dinitrotoluene
Concen: 5.72 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.18 min
Lab File: BF082607.D
Acq: 31 Oct 2015 8:19

Tgt Ion:165 Resp: 62983
Ion Ratio Lower Upper
165 100
63 2.1 43.4 65.0#
89 3.1 70.6 106.0#
182 0.0 1.5 2.3#



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF082607.D

Acq: 31 Oct 2015 8:19

Instrument :

BNA_F

ClientSampleId :

SYSDIS10282015

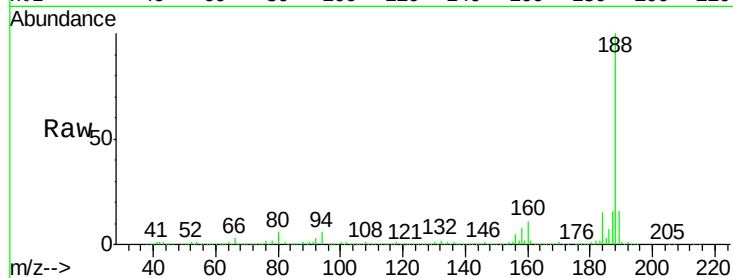
Tgt Ion:188 Resp: 857627

Ion Ratio Lower Upper

188 100

94 6.1 6.1 9.1#

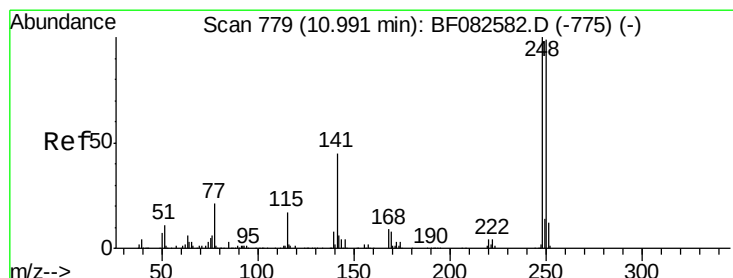
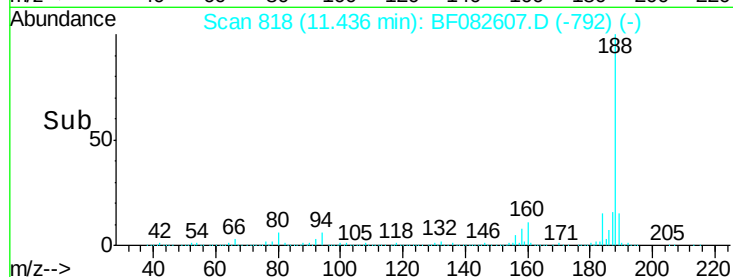
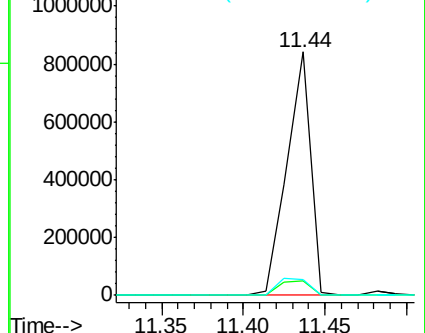
80 6.3 7.0 10.6#



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: 3.63 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.25 min

Lab File: BF082607.D

Acq: 31 Oct 2015 8:19

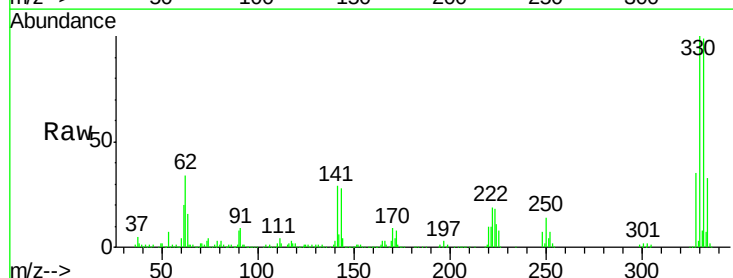
Tgt Ion:248 Resp: 35246

Ion Ratio Lower Upper

248 100

250 197.3 79.4 119.2#

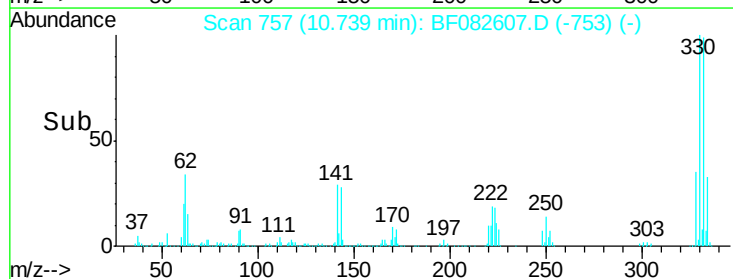
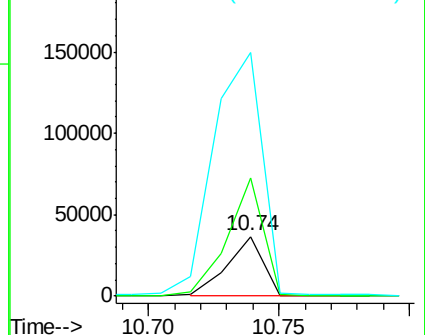
141 407.7 36.3 54.5#

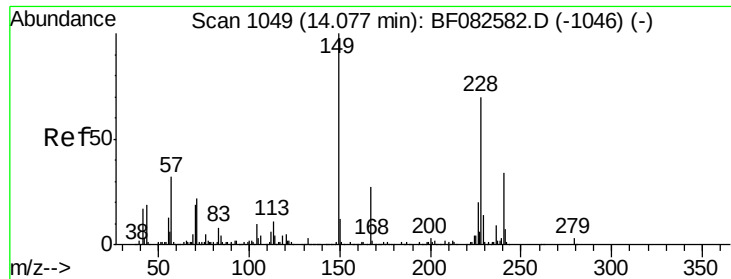


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

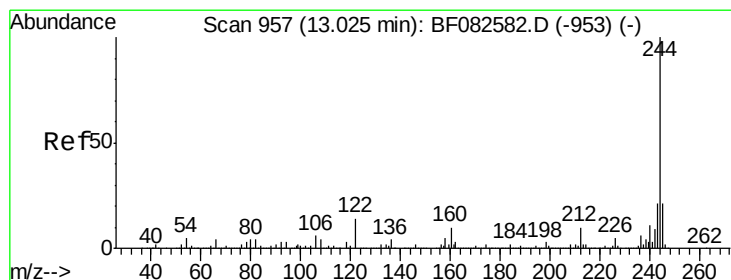
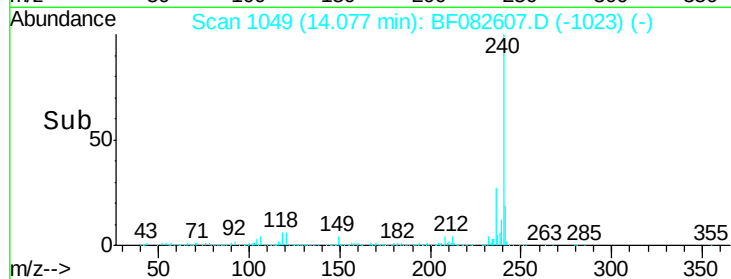
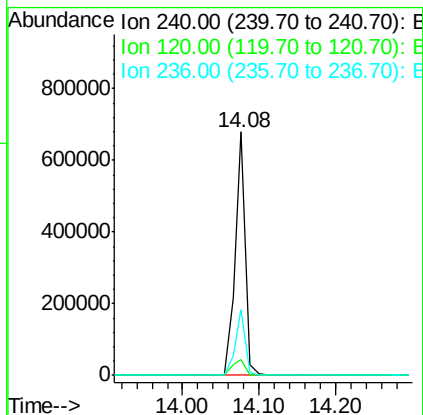
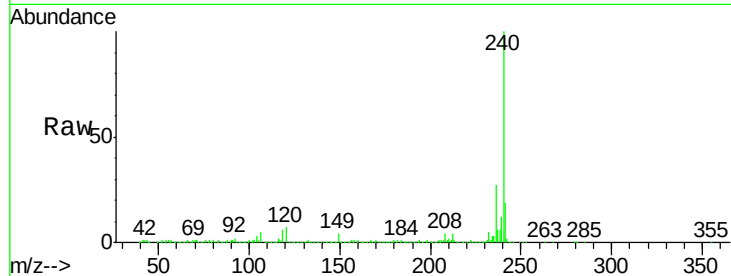




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.08 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF082607.D
Acq: 31 Oct 2015 8:19

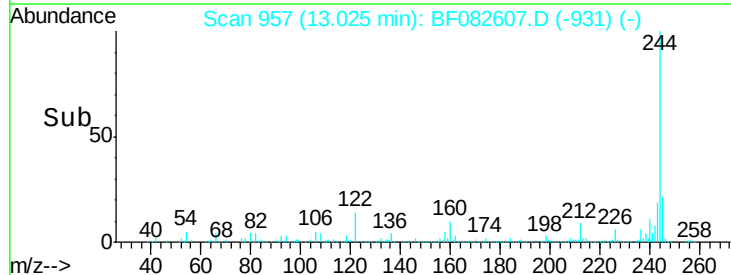
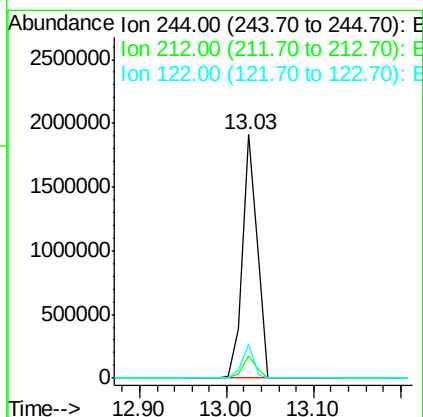
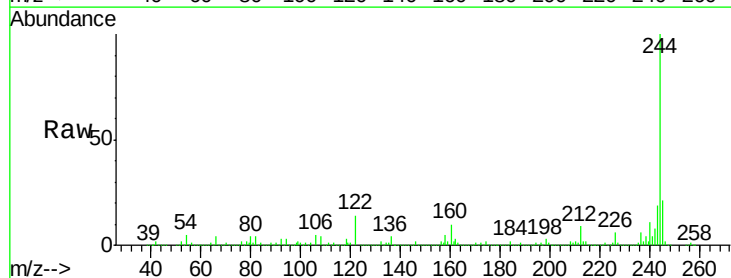
Instrument :
BNA_F
ClientSampleId :
SYSDIS10282015

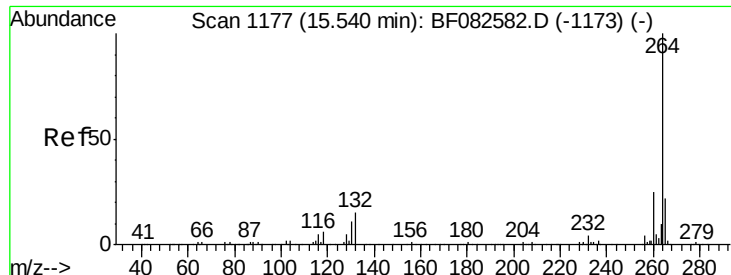
Tgt Ion:240 Resp: 644768
Ion Ratio Lower Upper
240 100
120 6.5 10.9 16.3#
236 26.9 21.6 32.4



#78
Terphenyl-d14
Concen: 75.69 ng
RT: 13.03 min Scan# 957
Delta R.T. -0.00 min
Lab File: BF082607.D
Acq: 31 Oct 2015 8:19

Tgt Ion:244 Resp: 2229966
Ion Ratio Lower Upper
244 100
212 9.2 7.6 11.4
122 13.7 11.3 16.9

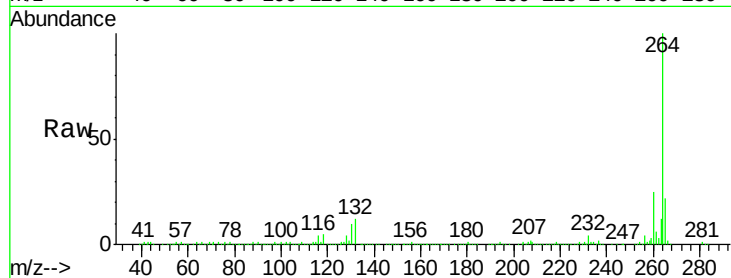




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BF082607.D
Acq: 31 Oct 2015 8:19

Instrument :
BNA_F
ClientSampleId :
SYSDIS10282015

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.8	29.6
265	21.6	17.4	26.0



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

