

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112515\
 Data File : BF083301.D
 Acq On : 26 Nov 2015 6:12
 Operator : UM/IZ
 Sample : G4547-01
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SES-EFFLUENT-MS-2

Quant Time: Nov 26 07:27:38 2015
 Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

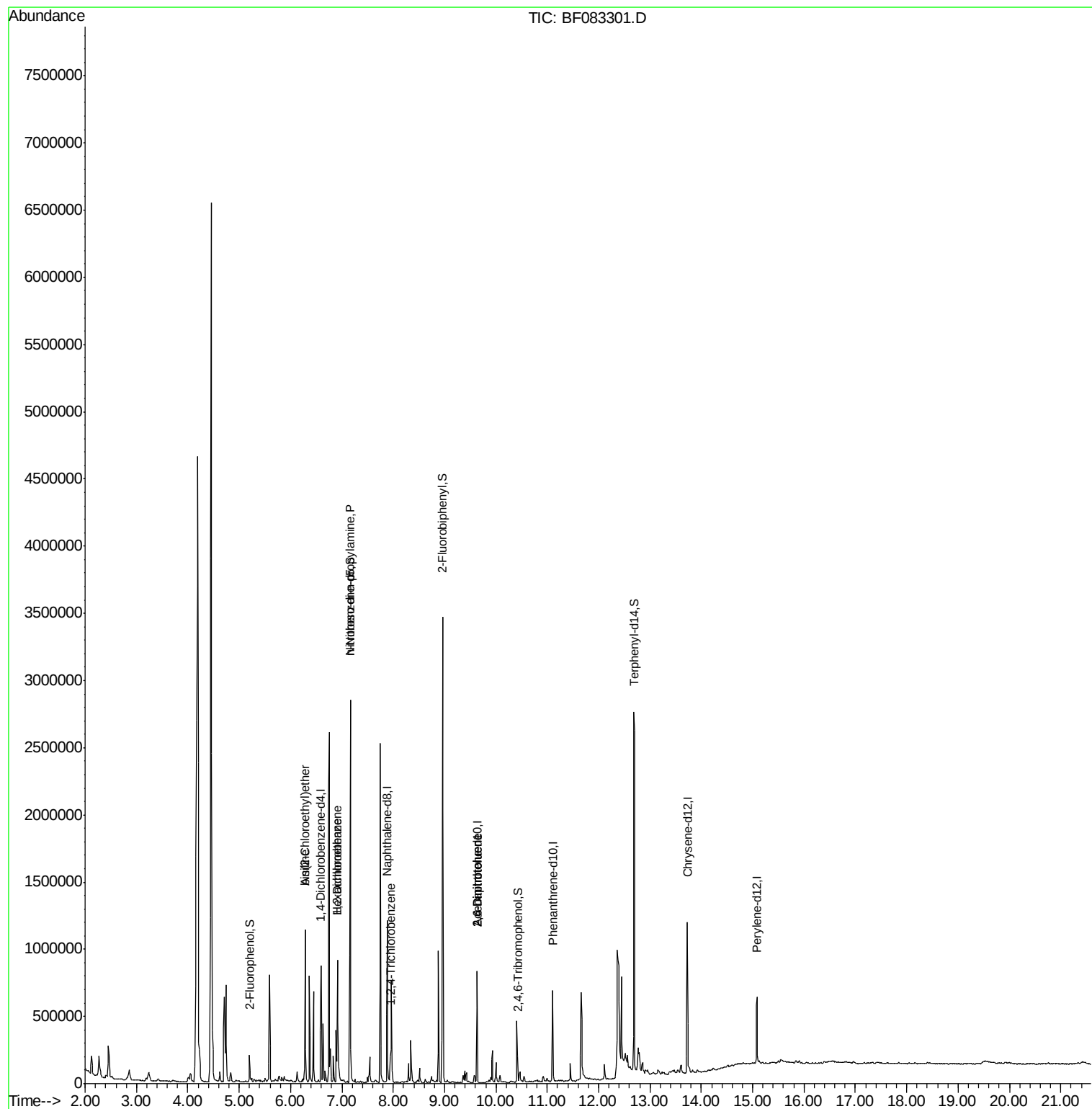
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	145110	20.00	ng	-0.07
21) Naphthalene-d8	7.88	136	507187	20.00	ng	-0.07
38) Acenaphthene-d10	9.63	164	204624	20.00	ng	-0.07
63) Phenanthrene-d10	11.11	188	362335	20.00	ng	-0.07
75) Chrysene-d12	13.73	240	397900	20.00	ng	-0.08
86) Perylene-d12	15.09	264	269323	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	71866	7.49	ng	-0.08
7) Phenol-d6	6.28	99	298	0.02	ng	-0.06
23) Nitrobenzene-d5	7.16	82	989094	89.11	ng	-0.07
41) 2,4,6-Tribromophenol	10.42	330	50059	23.91	ng	-0.07
44) 2-Fluorobiphenyl	8.96	172	1343731	91.57	ng	-0.07
78) Terphenyl-d14	12.70	244	1257221	74.40	ng	-0.07
Target Compounds						
6) Aniline	6.28	93	219744	14.48	ng	# 39
11) bis(2-Chloroethyl)ether	6.28	93	219744	20.48	ng	# 40
14) 1,2-Dichlorobenzene	6.91	146	313200	28.77	ng	# 48
18) Hexachloroethane	6.91	117	20511	4.86	ng	# 13
19) n-Nitroso-di-n-propylamine	7.16	70	133211	15.41	ng	# 78
30) 1,2,4-Trichlorobenzene	7.95	180	37406	4.28	ng	# 61
50) 2,6-Dinitrotoluene	9.63	165	25411	7.19	ng	# 14
56) 2,4-Dinitrotoluene	9.63	165	25411	5.67	ng	# 11

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

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BNA_F
ClientSampleId :
SES-EFFLUENT-MS-2

Quant Time: Nov 26 07:27:38 2015
Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration

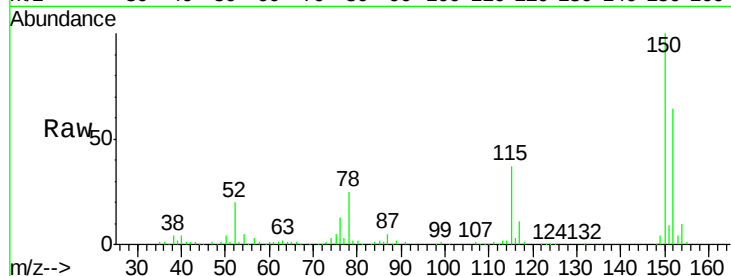




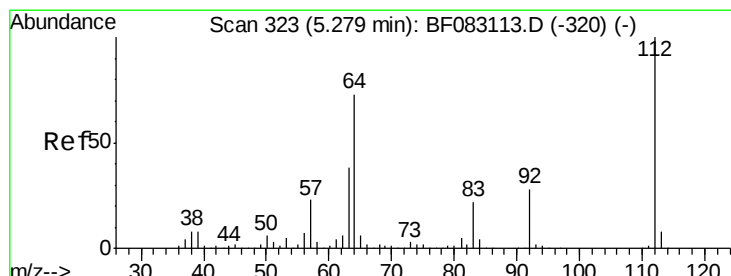
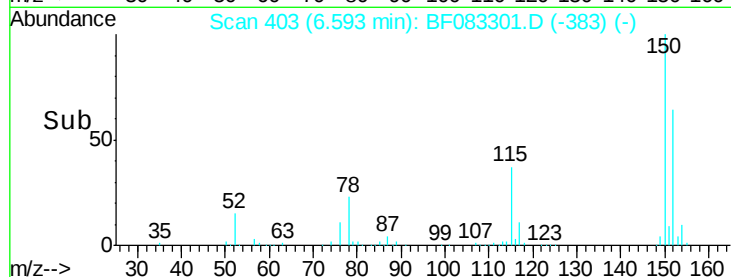
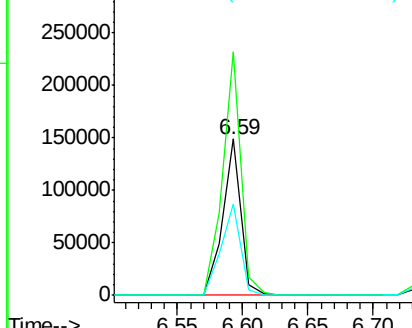
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.59 min Scan# 403
 Delta R.T. -0.07 min
 Lab File: BF083301.D
 Acq: 26 Nov 2015 6:12

Instrument :
 BNA_F
 ClientSampleId :
 SES-EFFLUENT-MS-2

Tgt Ion:152 Resp: 145110
 Ion Ratio Lower Upper
 152 100
 150 155.7 125.8 188.8
 115 58.0 46.9 70.3

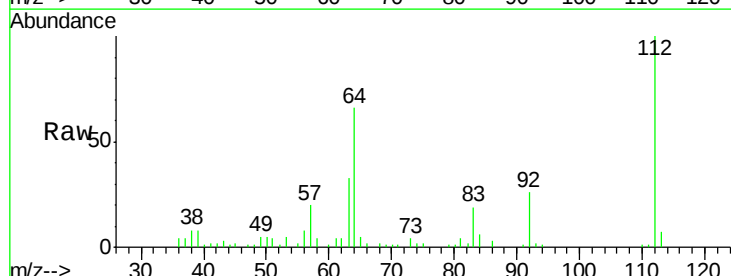


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

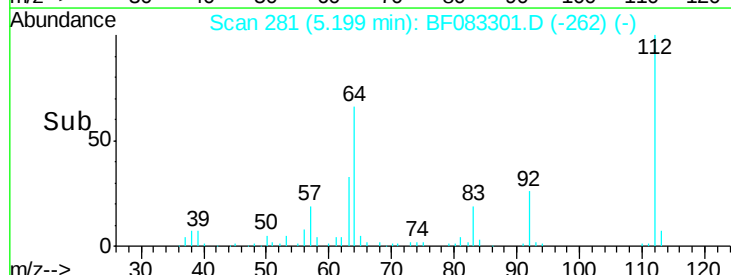
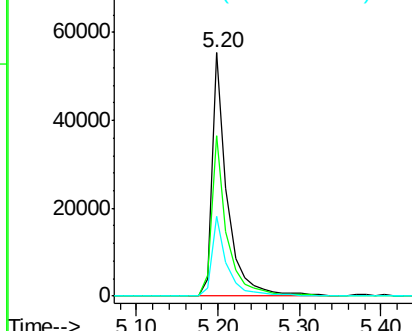


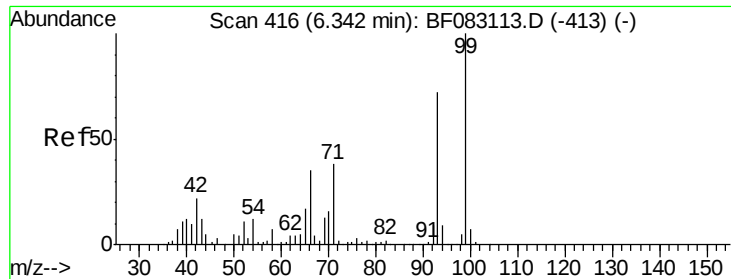
#5
 2-Fluorophenol
 Concen: 7.49 ng
 RT: 5.20 min Scan# 281
 Delta R.T. -0.08 min
 Lab File: BF083301.D
 Acq: 26 Nov 2015 6:12

Tgt Ion:112 Resp: 71866
 Ion Ratio Lower Upper
 112 100
 64 65.7 58.4 87.6
 63 32.7 30.0 45.0



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: 14.48 ng

RT: 6.28 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF083301.D

Acq: 26 Nov 2015 6:12

Instrument :

BNA_F

ClientSampleId :

SES-EFFLUENT-MS-2

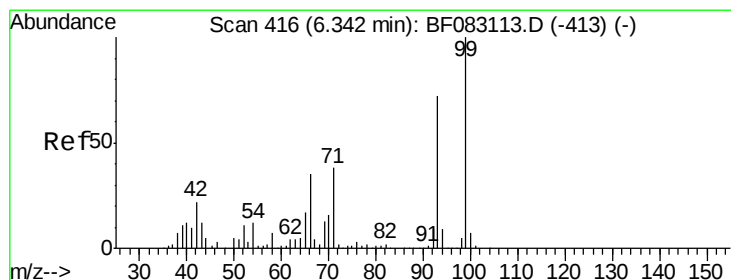
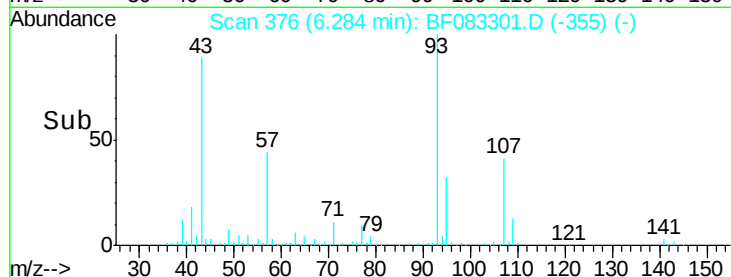
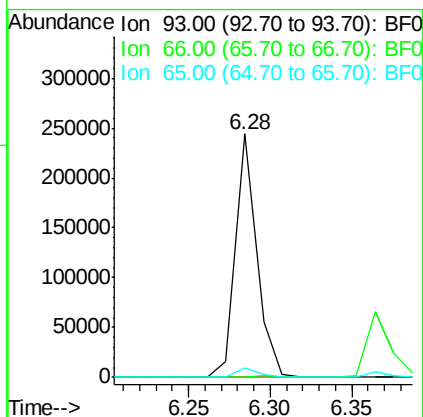
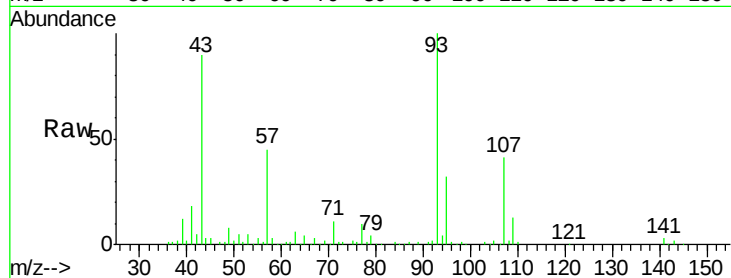
Tgt Ion: 93 Resp: 219744

Ion Ratio Lower Upper

93 100

66 0.3 38.7 58.1#

65 3.9 18.6 27.8#



#7

Phenol-d6

Concen: 0.02 ng

RT: 6.28 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF083301.D

Acq: 26 Nov 2015 6:12

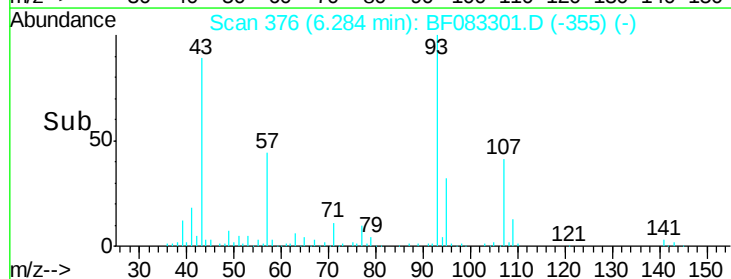
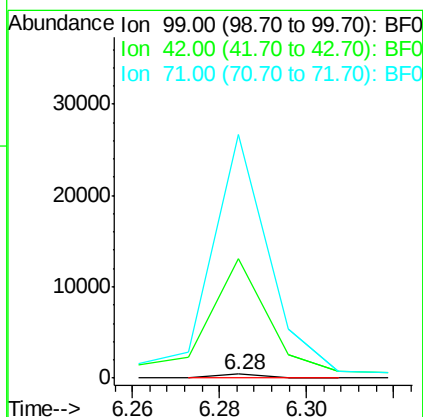
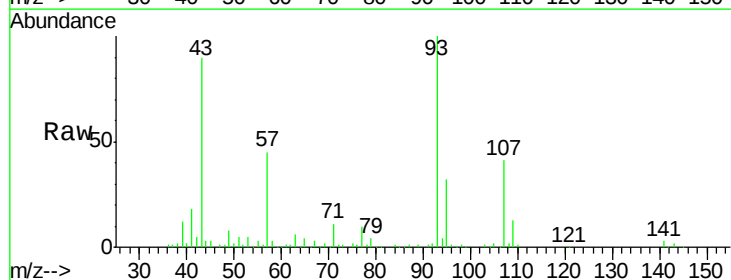
Tgt Ion: 99 Resp: 298

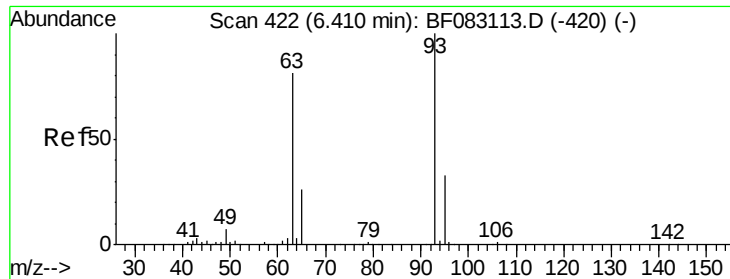
Ion Ratio Lower Upper

99 100

42 3017.5 17.7 26.5#

71 6143.8 30.2 45.4#



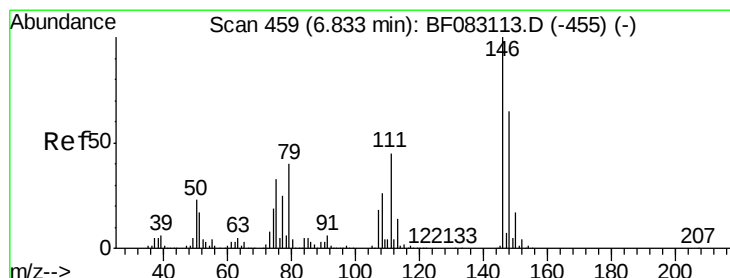
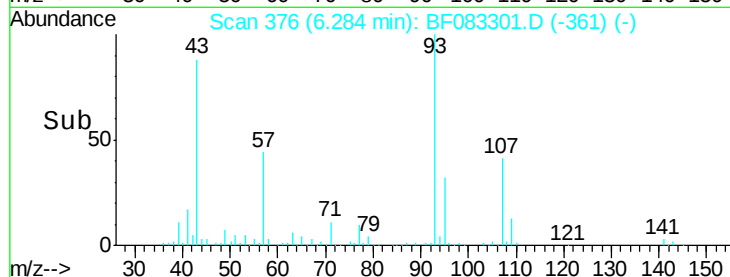
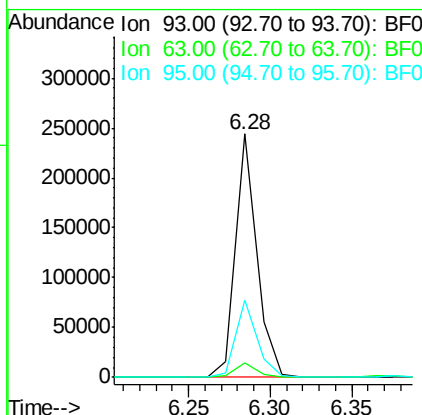
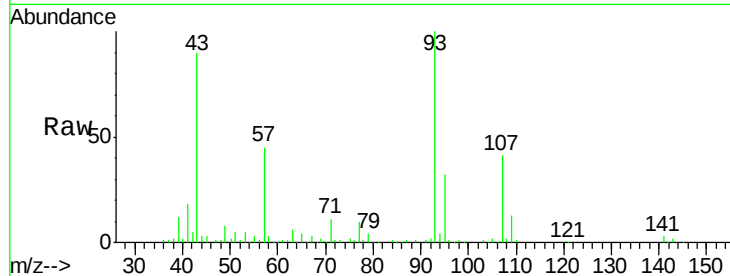


#11
bis(2-Chloroethyl)ether
Concen: 20.48 ng
RT: 6.28 min Scan# 376
Delta R.T. -0.13 min
Lab File: BF083301.D
Acq: 26 Nov 2015 6:12

Instrument :
BNA_F
ClientSampleId :
SES-EFFLUENT-MS-2

Tgt Ion: 93 Resp: 219744

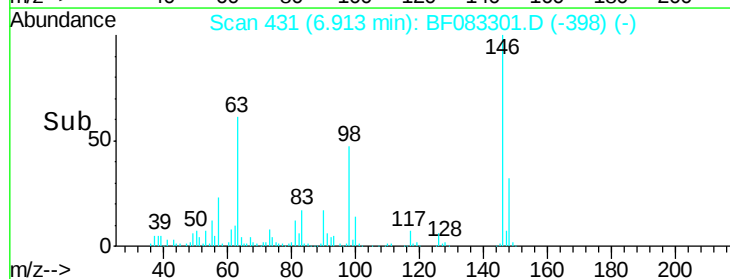
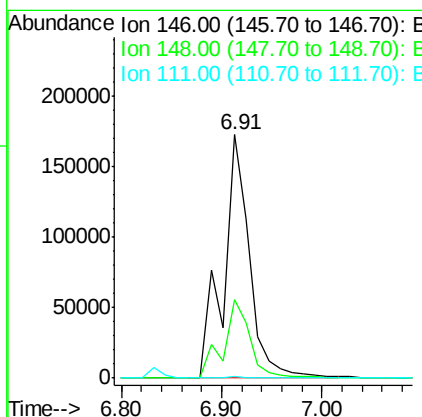
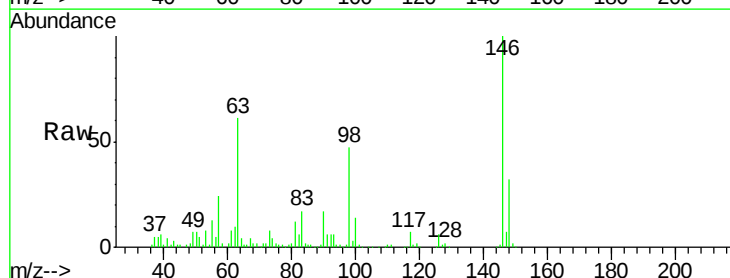
Ion	Ratio	Lower	Upper
93	100		
63	5.9	59.8	99.8#
95	31.7	13.0	53.0

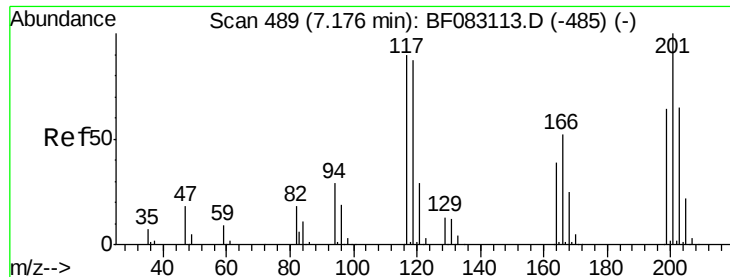


#14
1,2-Dichlorobenzene
Concen: 28.77 ng
RT: 6.91 min Scan# 431
Delta R.T. 0.08 min
Lab File: BF083301.D
Acq: 26 Nov 2015 6:12

Tgt Ion: 146 Resp: 313200

Ion	Ratio	Lower	Upper
146	100		
148	32.0	51.8	77.6#
111	0.7	36.2	54.4#

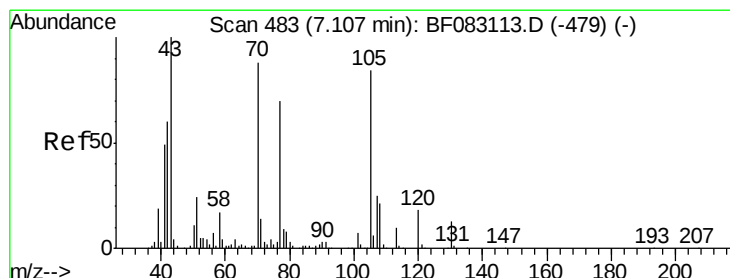
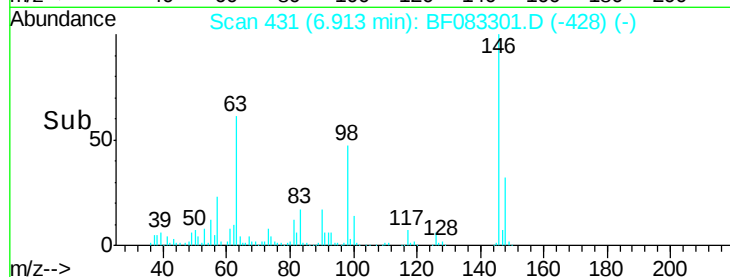
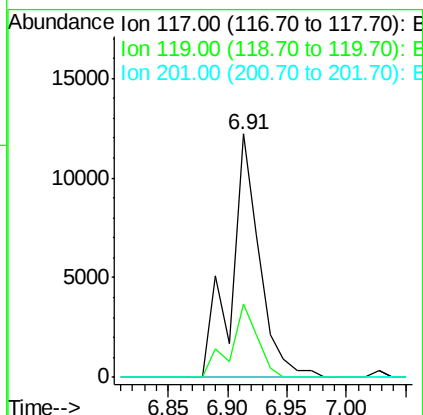
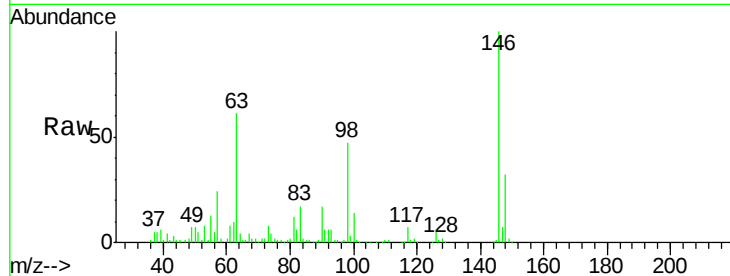




#18
Hexachloroethane
Concen: 4.86 ng
RT: 6.91 min Scan# 431
Delta R.T. -0.26 min
Lab File: BF083301.D
Acq: 26 Nov 2015 6:12

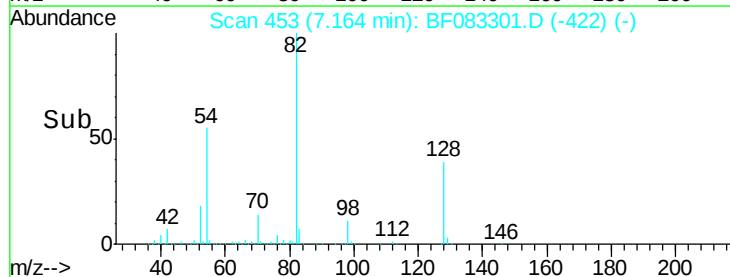
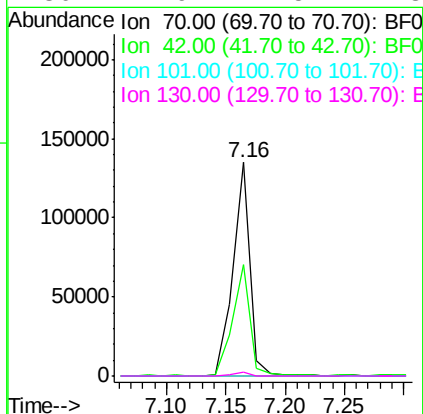
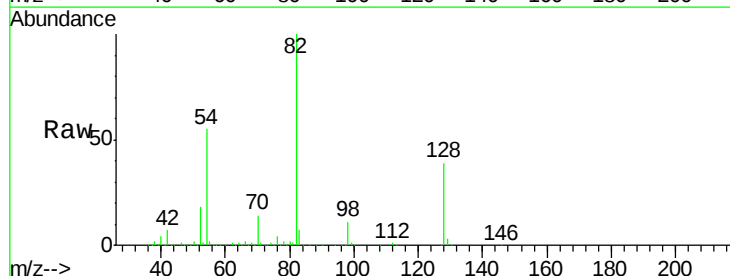
Instrument :
BNA_F
ClientSampleId :
SES-EFFLUENT-MS-2

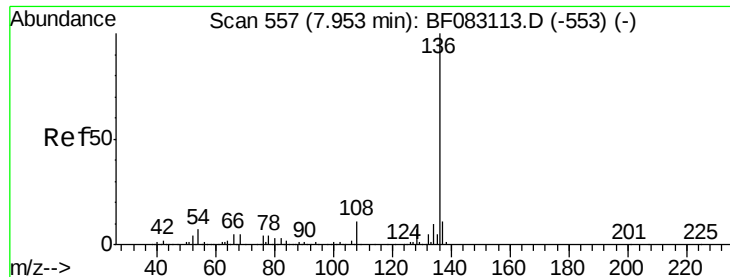
Tgt Ion: 117 Resp: 20511
Ion Ratio Lower Upper
117 100
119 30.2 76.8 115.2#
201 0.0 88.6 133.0#



#19
n-Nitroso-di-n-propylamine
Concen: 15.41 ng
RT: 7.16 min Scan# 453
Delta R.T. 0.06 min
Lab File: BF083301.D
Acq: 26 Nov 2015 6:12

Tgt Ion: 70 Resp: 133211
Ion Ratio Lower Upper
70 100
42 52.2 54.5 81.7#
101 0.0 6.6 9.8#
130 1.9 11.5 17.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 516

Delta R.T. -0.07 min

Lab File: BF083301.D

Acq: 26 Nov 2015 6:12

Instrument :

BNA_F

ClientSampleId :

SES-EFFLUENT-MS-2

Tgt Ion: 136 Resp: 507187

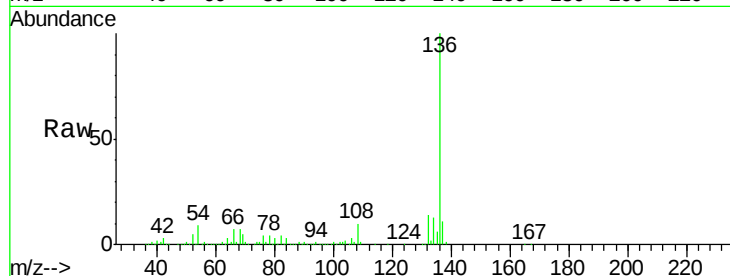
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 8.7 5.8 8.6#

68 7.4 3.8 5.8#

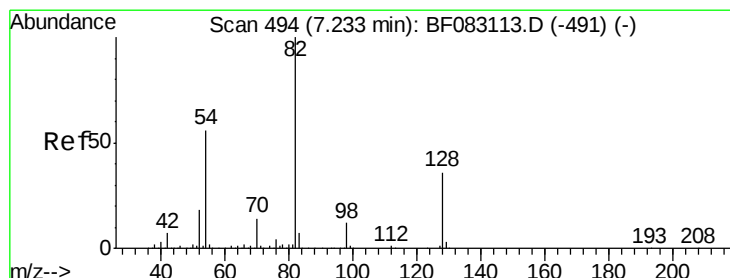
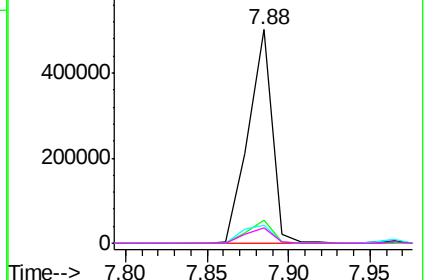
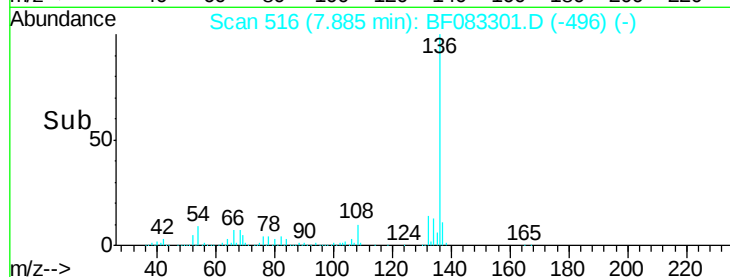


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.11 ng

RT: 7.16 min Scan# 453

Delta R.T. -0.07 min

Lab File: BF083301.D

Acq: 26 Nov 2015 6:12

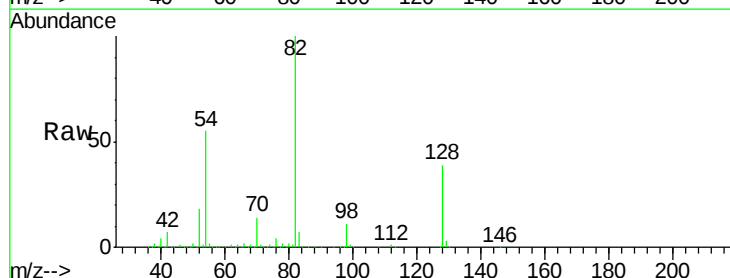
Tgt Ion: 82 Resp: 989094

Ion Ratio Lower Upper

82 100

128 38.9 28.5 42.7

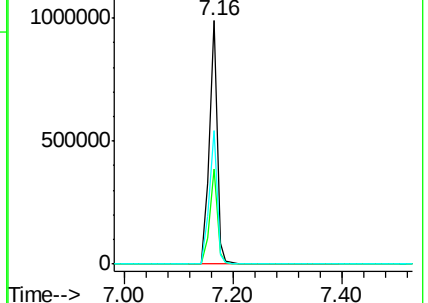
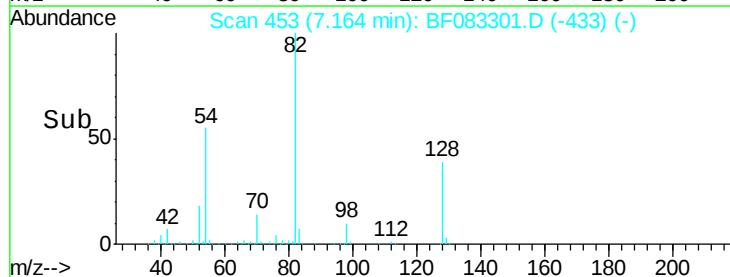
54 54.9 44.6 67.0

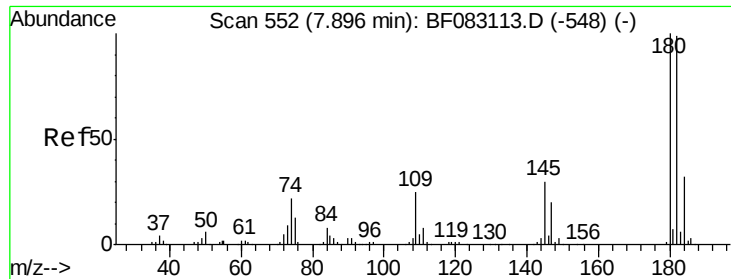


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

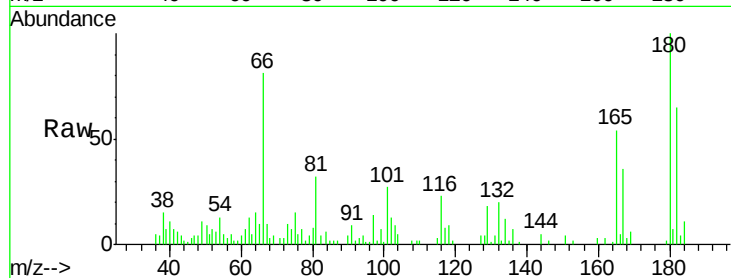




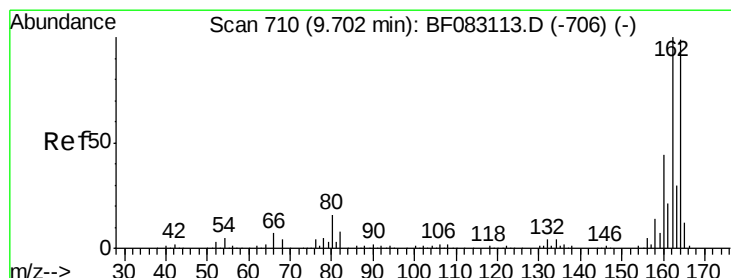
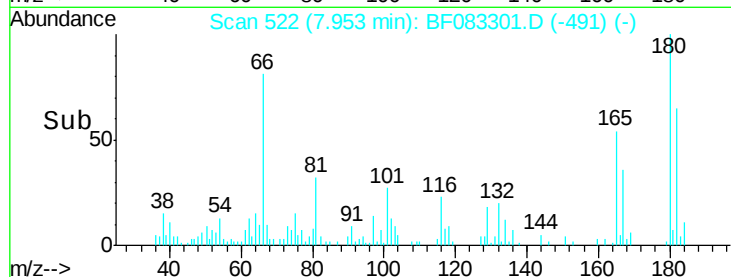
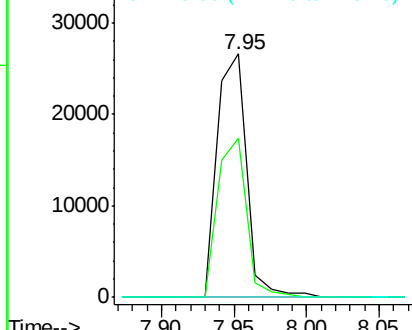
#30
 1,2,4-Trichlorobenzene
 Concen: 4.28 ng
 RT: 7.95 min Scan# 522
 Delta R.T. 0.06 min
 Lab File: BF083301.D
 Acq: 26 Nov 2015 6:12

Instrument :
 BNA_F
 ClientSampleId :
 SES-EFFLUENT-MS-2

Tgt Ion:180 Resp: 37406
 Ion Ratio Lower Upper
 180 100
 182 65.5 79.0 118.6#
 145 0.0 24.2 36.2#

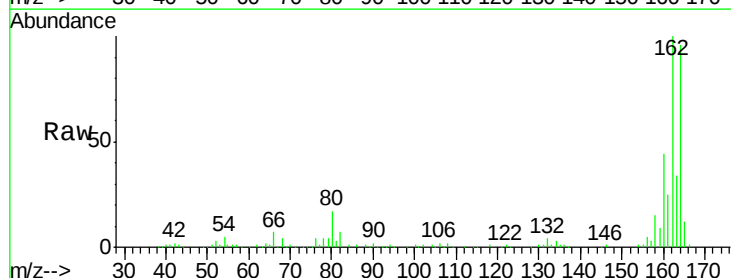


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

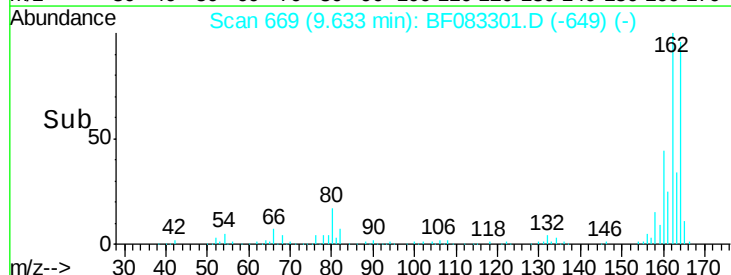
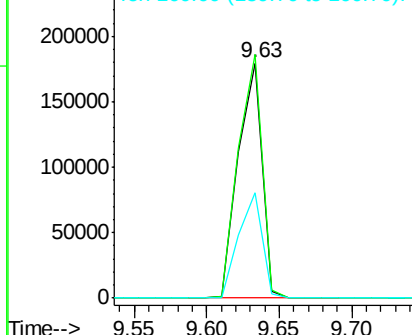


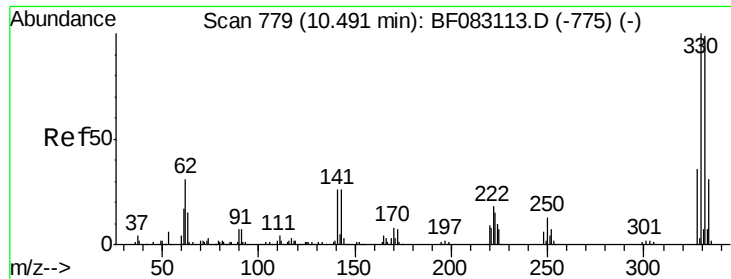
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 669
 Delta R.T. -0.07 min
 Lab File: BF083301.D
 Acq: 26 Nov 2015 6:12

Tgt Ion:164 Resp: 204624
 Ion Ratio Lower Upper
 164 100
 162 103.7 81.2 121.8
 160 45.1 35.6 53.4



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

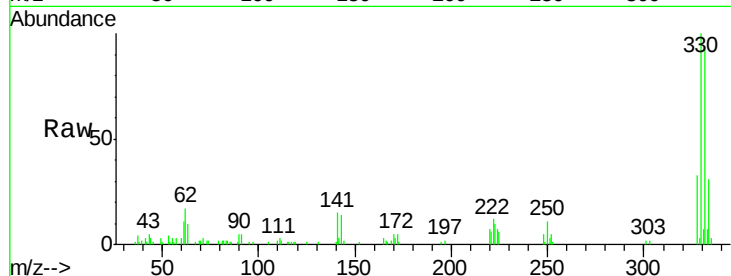




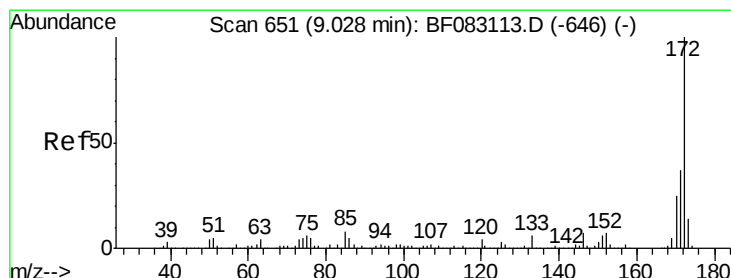
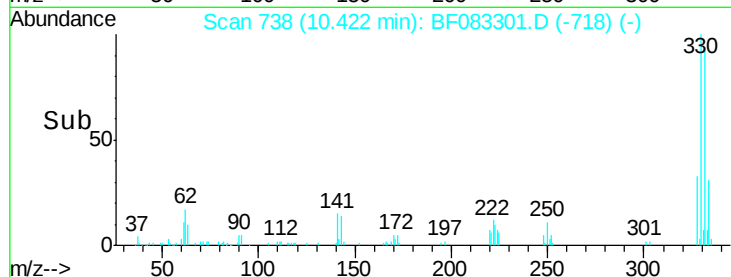
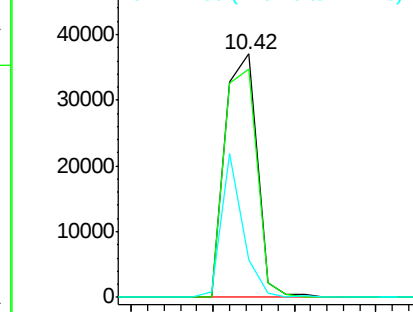
#41
 2,4,6-Tribromophenol
 Concen: 23.91 ng
 RT: 10.42 min Scan# 738
 Delta R.T. -0.07 min
 Lab File: BF083301.D
 Acq: 26 Nov 2015 6:12

Instrument :
 BNA_F
 ClientSampleId :
 SES-EFFLUENT-MS-2

Tgt Ion:330 Resp: 50059
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.7 116.5
 141 40.3 29.7 44.5

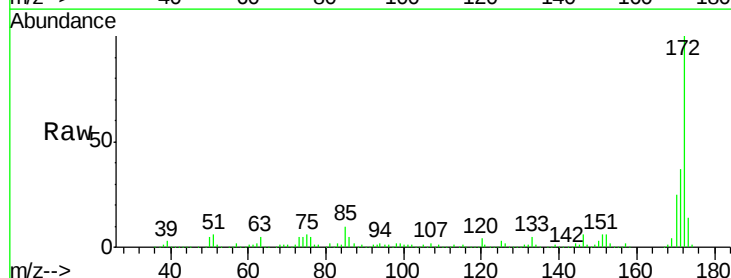


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

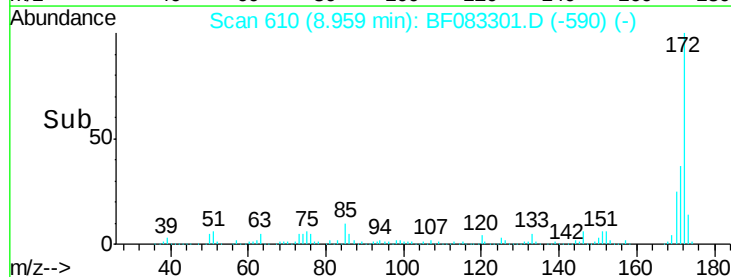
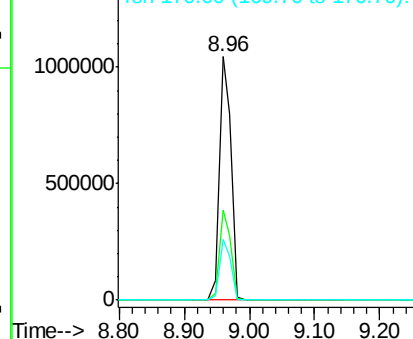


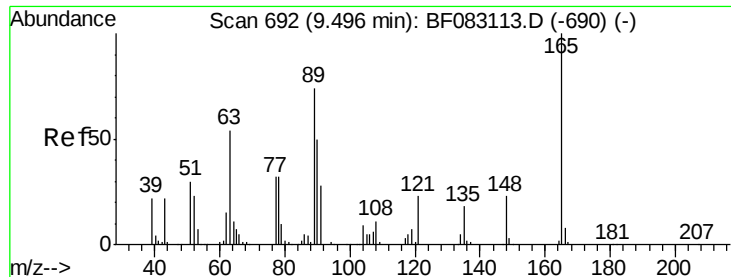
#44
 2-Fluorobiphenyl
 Concen: 91.57 ng
 RT: 8.96 min Scan# 610
 Delta R.T. -0.07 min
 Lab File: BF083301.D
 Acq: 26 Nov 2015 6:12

Tgt Ion:172 Resp: 1343731
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.5 44.3
 170 24.6 19.9 29.9



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

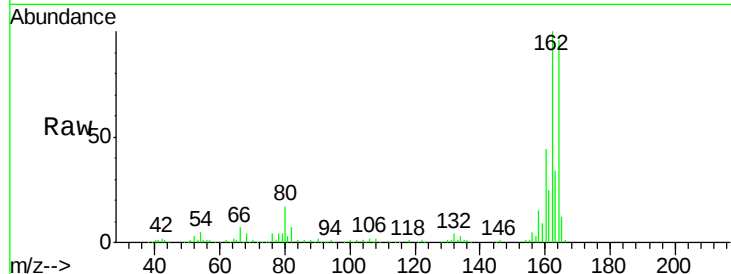




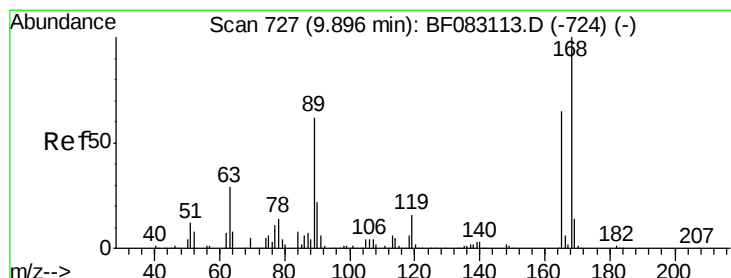
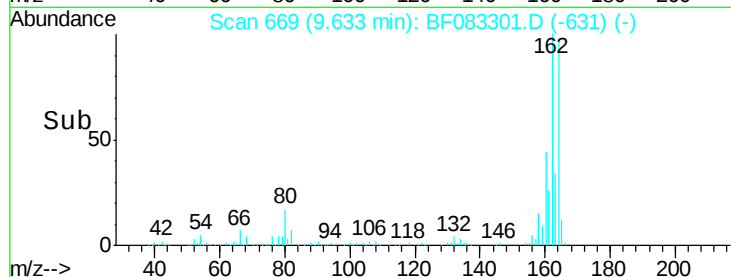
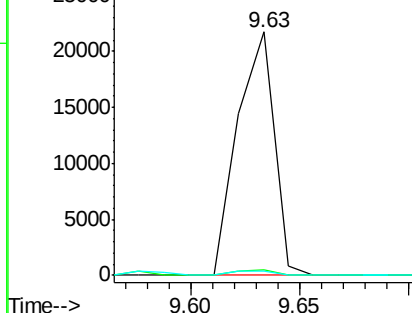
#50
2,6-Dinitrotoluene
Concen: 7.19 ng
RT: 9.63 min Scan# 669
Delta R.T. 0.14 min
Lab File: BF083301.D
Acq: 26 Nov 2015 6:12

Instrument :
BNA_F
ClientSampleId :
SES-EFFLUENT-MS-2

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	62.5	93.7#
89	1.8	59.1	88.7#



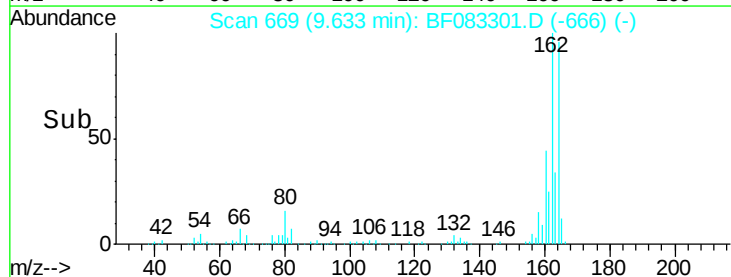
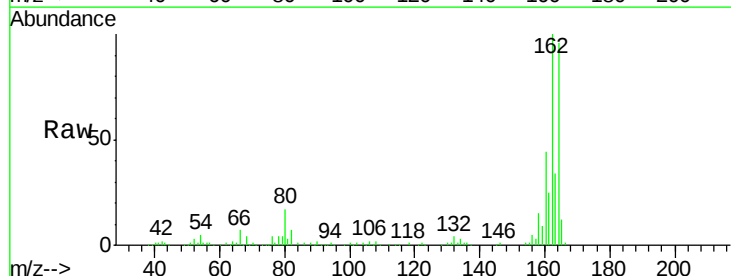
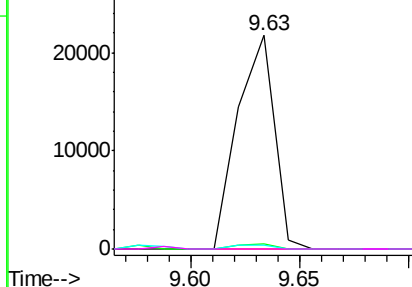
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

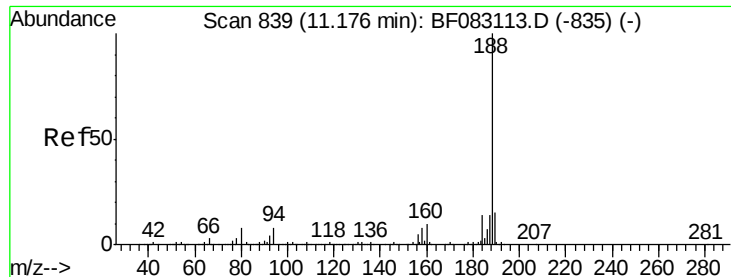


#56
2,4-Dinitrotoluene
Concen: 5.67 ng
RT: 9.63 min Scan# 669
Delta R.T. -0.26 min
Lab File: BF083301.D
Acq: 26 Nov 2015 6:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	54.5	81.7#
89	1.8	77.3	115.9#
182	0.0	1.8	2.6#

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

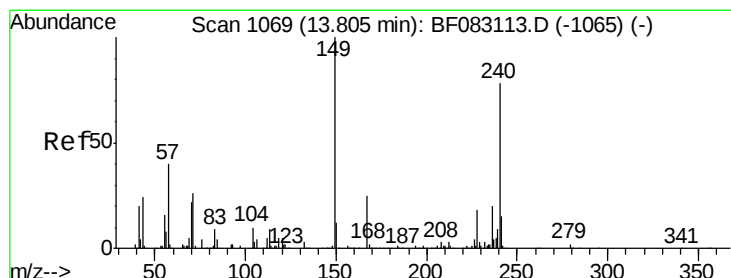
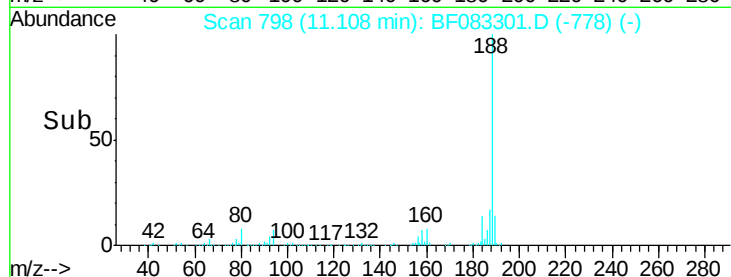
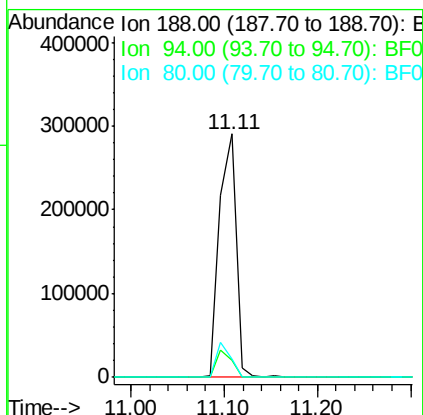
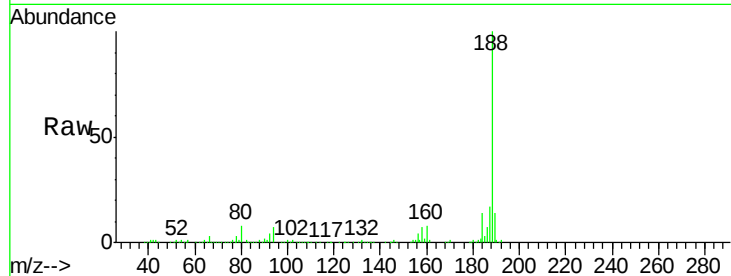




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 798
Delta R.T. -0.07 min
Lab File: BF083301.D
Acq: 26 Nov 2015 6:12

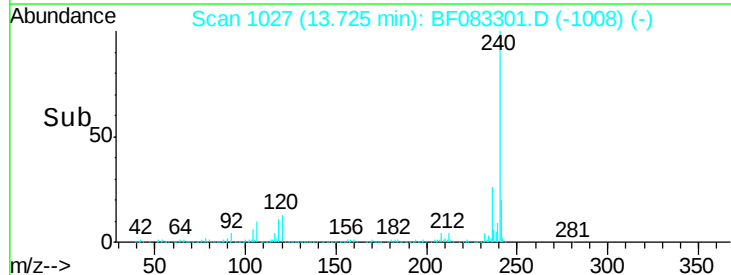
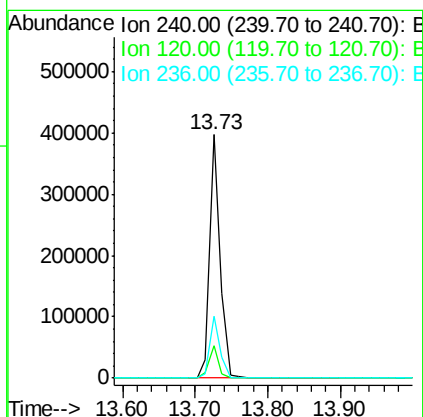
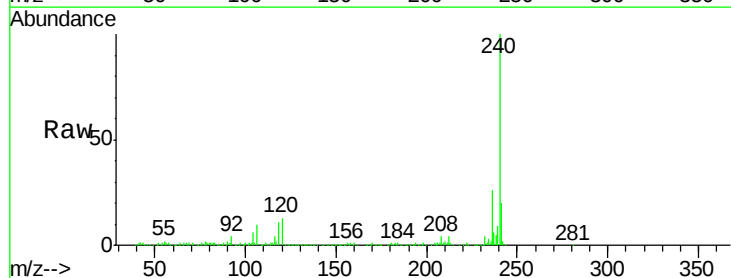
Instrument :
BNA_F
ClientSampleId :
SES-EFFLUENT-MS-2

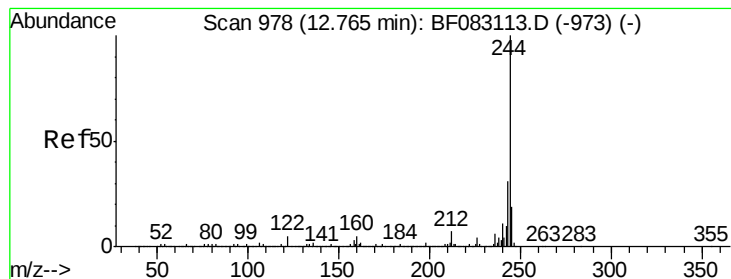
Tgt Ion:188 Resp: 362335
Ion Ratio Lower Upper
188 100
94 7.1 6.0 9.0
80 7.7 6.7 10.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.73 min Scan# 1027
Delta R.T. -0.08 min
Lab File: BF083301.D
Acq: 26 Nov 2015 6:12

Tgt Ion:240 Resp: 397900
Ion Ratio Lower Upper
240 100
120 13.1 5.4 8.2#
236 25.6 20.6 31.0





#78

Terphenyl-d14

Concen: 74.40 ng

RT: 12.70 min Scan# 937

Delta R.T. -0.07 min

Lab File: BF083301.D

Acq: 26 Nov 2015 6:12

Instrument :

BNA_F

ClientSampleId :

SES-EFFLUENT-MS-2

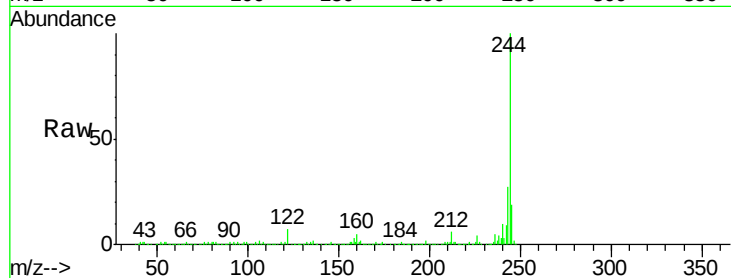
Tgt Ion:244 Resp: 1257221

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.2

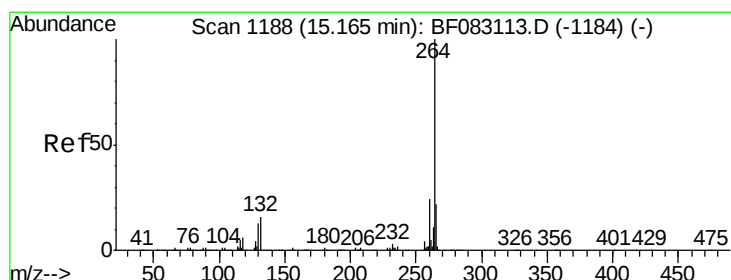
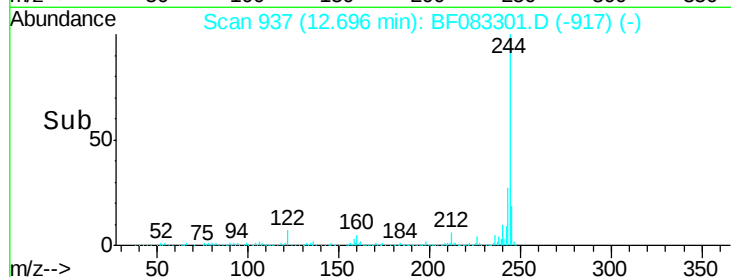
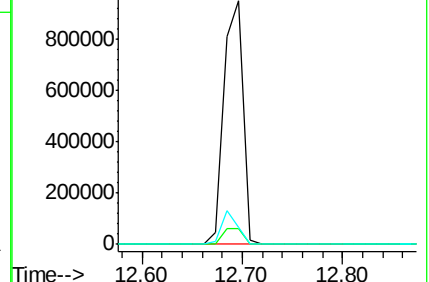
122 6.8 4.3 6.5#



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# 1146

Delta R.T. -0.08 min

Lab File: BF083301.D

Acq: 26 Nov 2015 6:12

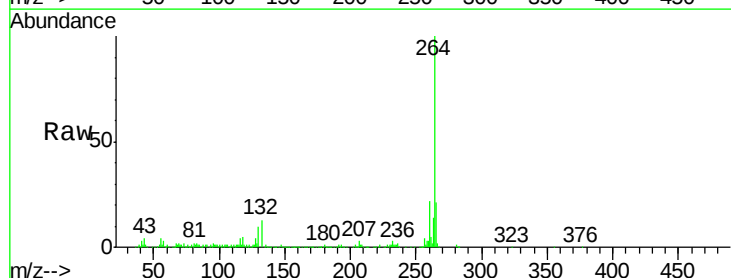
Tgt Ion:264 Resp: 269323

Ion Ratio Lower Upper

264 100

260 22.5 19.1 28.7

265 21.0 18.2 27.4



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

