

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083982.D
 Acq On : 20 Dec 2015 6:22
 Operator : UM/SJ
 Sample : G4851-03
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-8

Quant Time: Dec 20 07:10:50 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

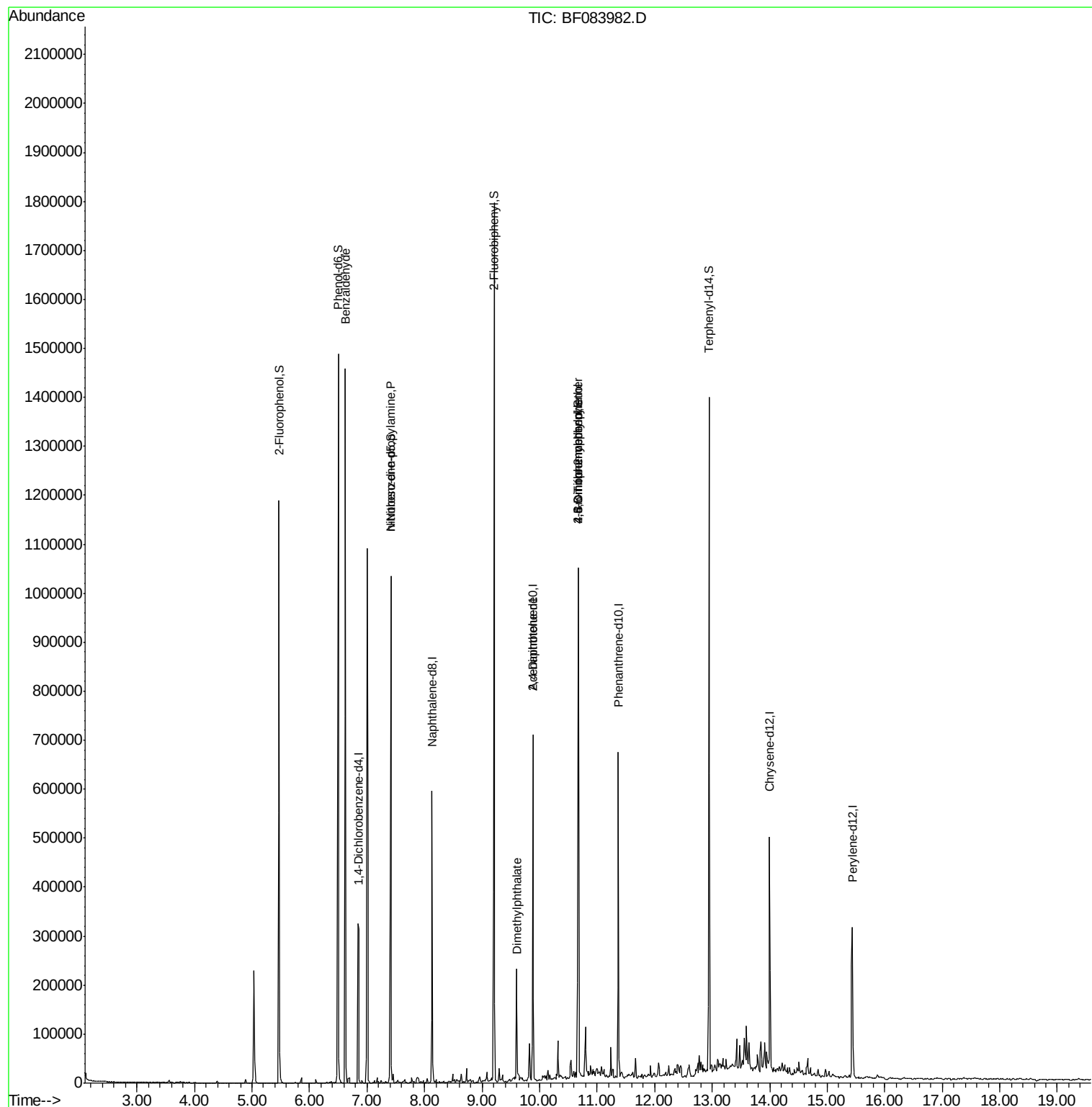
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	76050	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	255469	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	136664	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	239699	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	176758	20.00	ng	-0.03
86) Perylene-d12	15.44	264	160658	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	376570	77.49	ng	-0.01
7) Phenol-d6	6.50	99	580233	97.55	ng	-0.01
23) Nitrobenzene-d5	7.41	82	356586	79.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	117101	77.78	ng	-0.03
44) 2-Fluorobiphenyl	9.21	172	536852	51.83	ng	-0.03
78) Terphenyl-d14	12.94	244	484876	62.47	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.62	77	10567	2.95	ng	Qvalue 92
19) n-Nitroso-di-n-propylamine	7.41	70	50277	14.50	ng	# 75
31) Naphthalene	8.16	128	2026	Below Cal	#	82
45) 1,1'-Biphenyl	9.31	154	316	Below Cal	#	42
49) Dimethylphthalate	9.61	163	124030	10.82	ng	# 90
56) 2,4-Dinitrotoluene	9.88	165	17942	5.60	ng	# 21
57) Fluorene	10.43	166	385	Below Cal	#	76
64) 4,6-Dinitro-2-methylphenol	10.67	198	224	4.07	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	8935	3.05	ng	# 1
77) Pyrene	12.81	202	5807	Below Cal		98

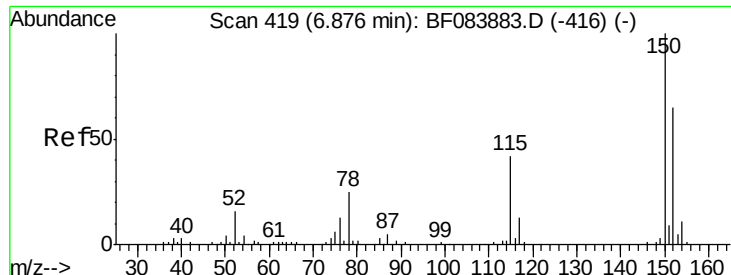
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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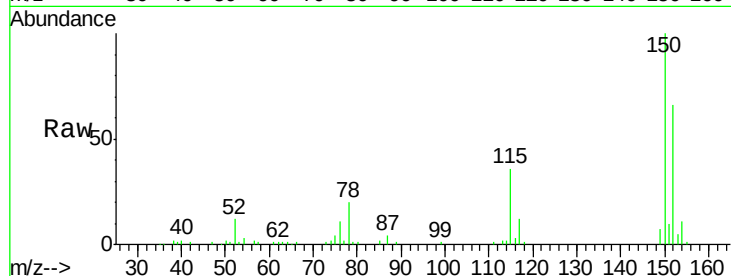




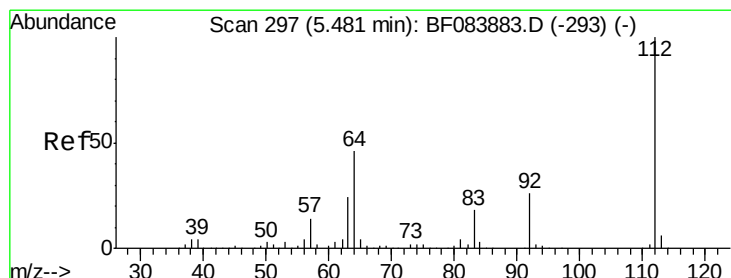
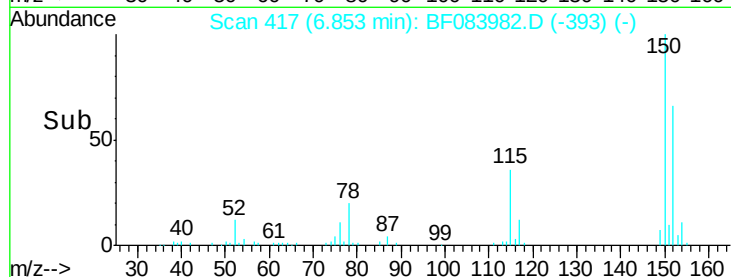
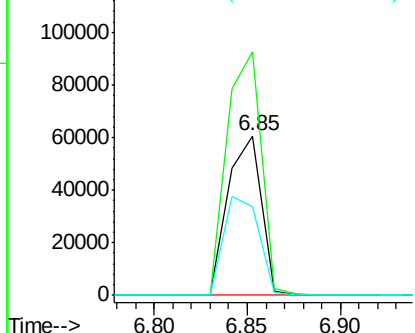
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.02 min
 Lab File: BF083982.D
 Acq: 20 Dec 2015 6:22

Instrument :
 BNA_F
 ClientSampleId :
 UST-8

Tgt Ion:152 Resp: 76050
 Ion Ratio Lower Upper
 152 100
 150 152.6 123.0 184.4
 115 55.4 51.4 77.2

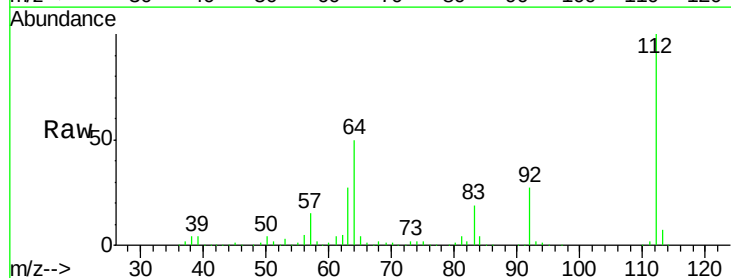


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

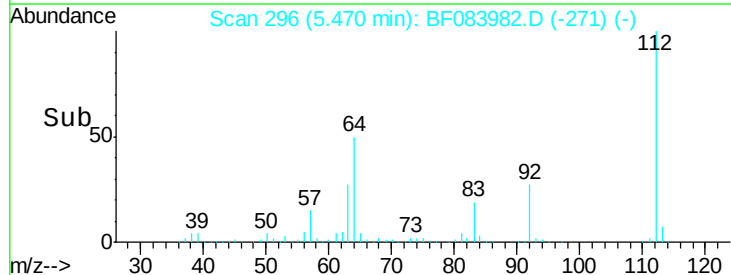
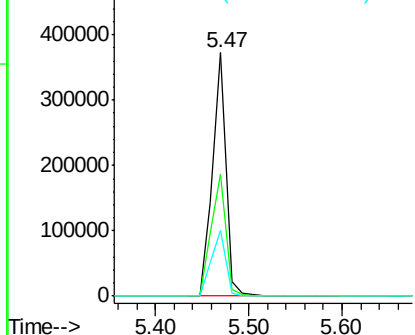


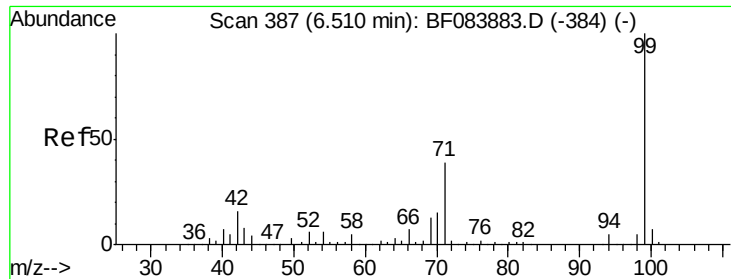
#5
 2-Fluorophenol
 Concen: 77.49 ng
 RT: 5.47 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: BF083982.D
 Acq: 20 Dec 2015 6:22

Tgt Ion:112 Resp: 376570
 Ion Ratio Lower Upper
 112 100
 64 49.9 36.6 55.0
 63 27.1 19.4 29.0



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





#7

Phenol-d6

Concen: 97.55 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083982.D

Acq: 20 Dec 2015 6:22

Instrument :

BNA_F

ClientSampleId :

UST-8

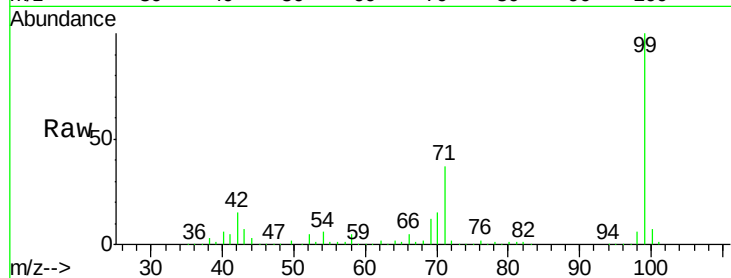
Tgt Ion: 99 Resp: 580233

Ion Ratio Lower Upper

99 100

42 14.6 12.8 19.2

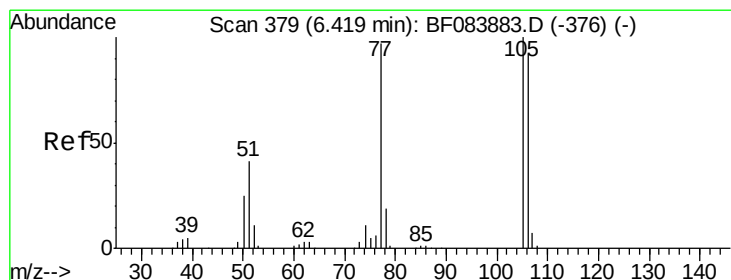
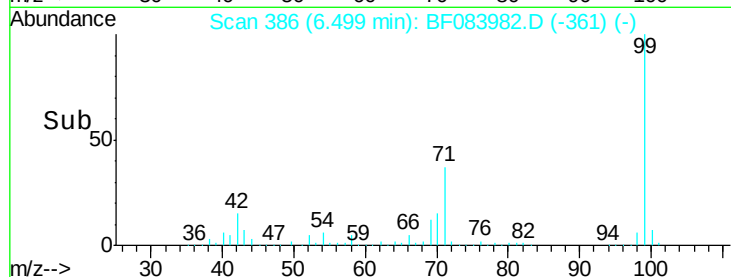
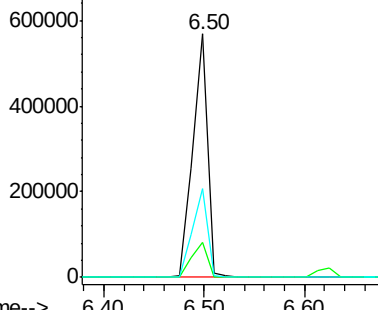
71 36.6 30.9 46.3



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



#9

Benzaldehyde

Concen: 2.95 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.21 min

Lab File: BF083982.D

Acq: 20 Dec 2015 6:22

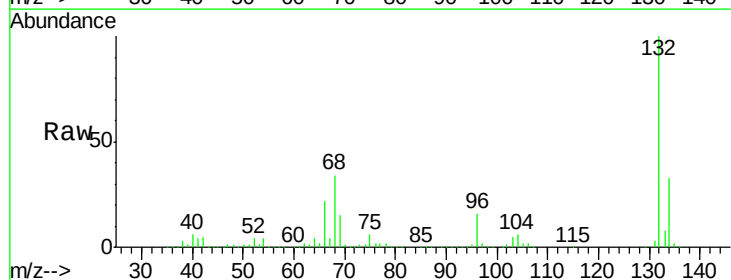
Tgt Ion: 77 Resp: 10567

Ion Ratio Lower Upper

77 100

105 89.2 83.0 123.0

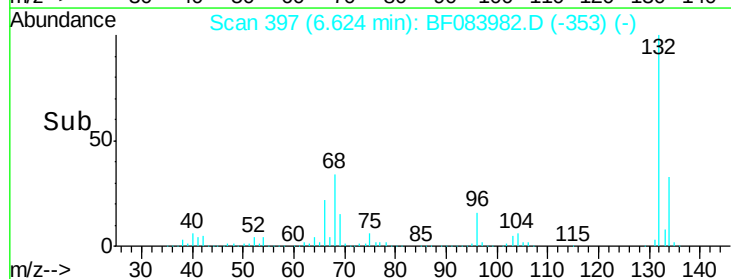
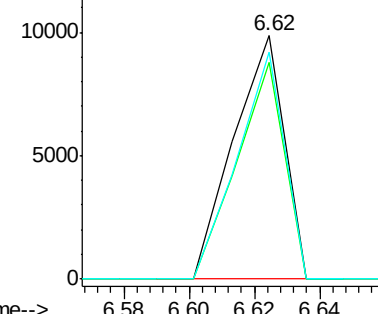
106 93.2 74.6 114.6

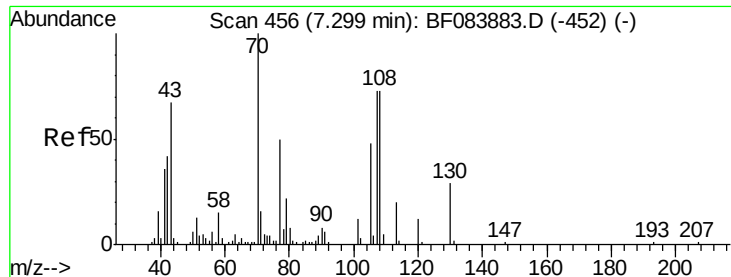


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

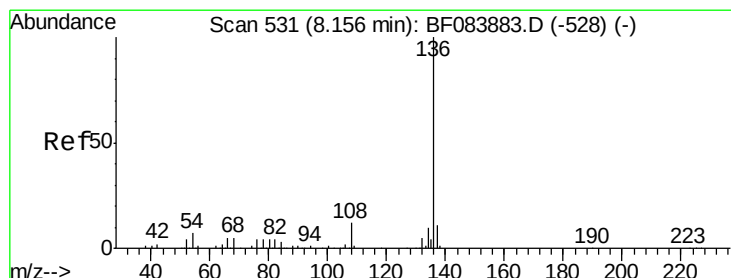
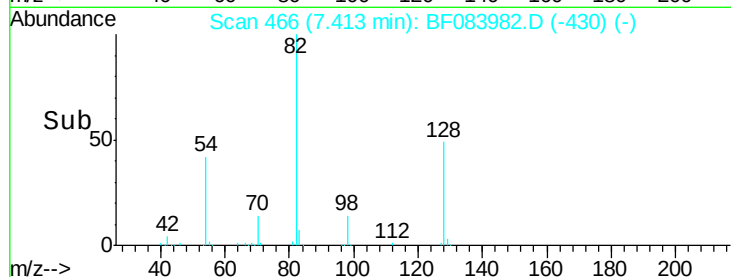
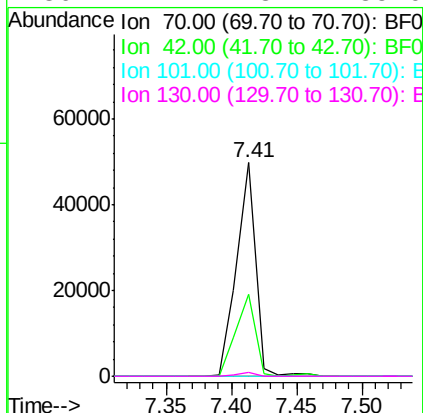
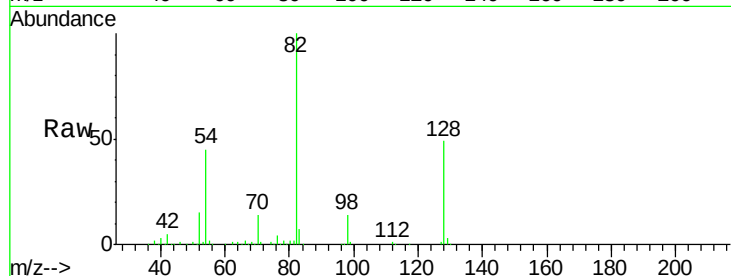




#19
n-Nitroso-di-n-propylamine
Concen: 14.50 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.11 min
Lab File: BF083982.D
Acq: 20 Dec 2015 6:22

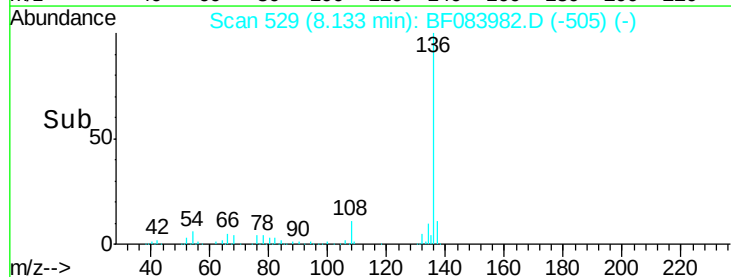
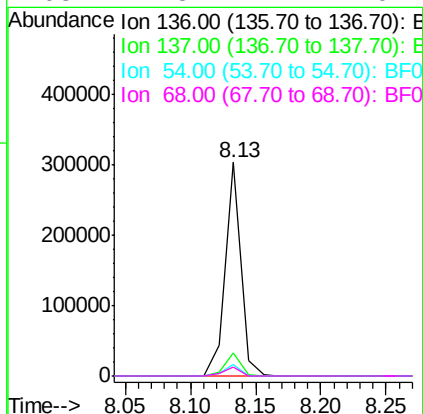
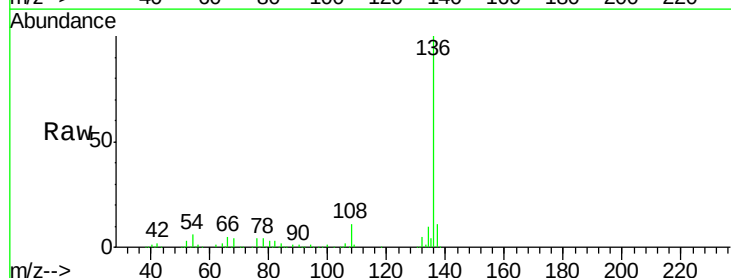
Instrument :
BNA_F
ClientSampleId :
UST-8

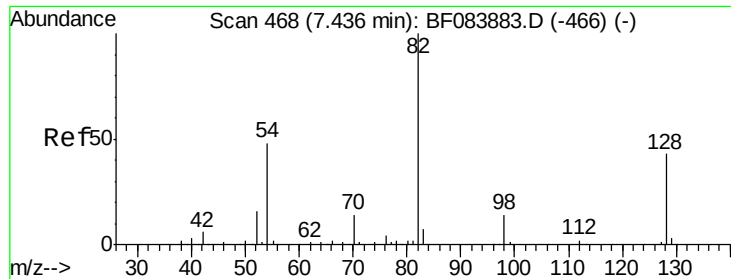
Tgt Ion: 70 Resp: 50277
Ion Ratio Lower Upper
70 100
42 38.3 33.3 49.9
101 0.0 9.3 13.9#
130 2.1 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF083982.D
Acq: 20 Dec 2015 6:22

Tgt Ion: 136 Resp: 255469
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 5.6 5.8 8.8#
68 4.3 4.2 6.2

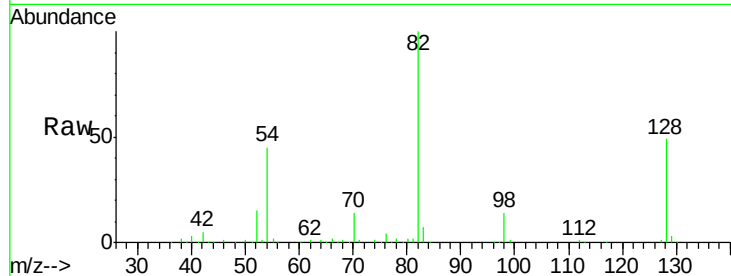




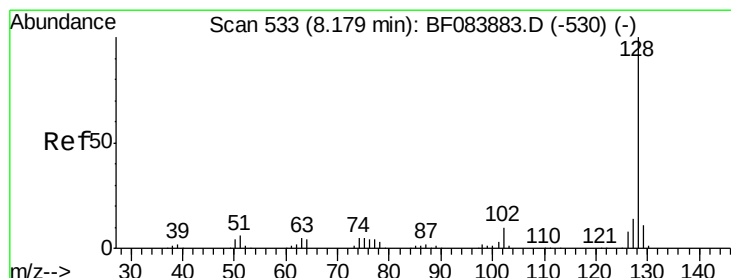
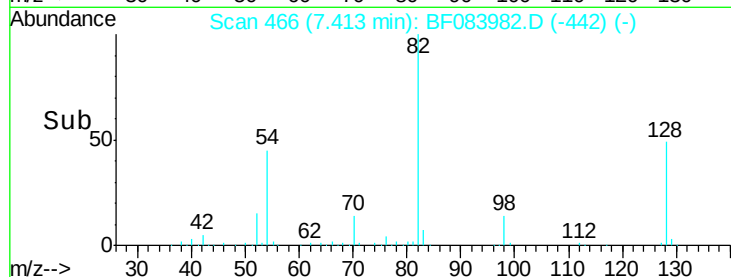
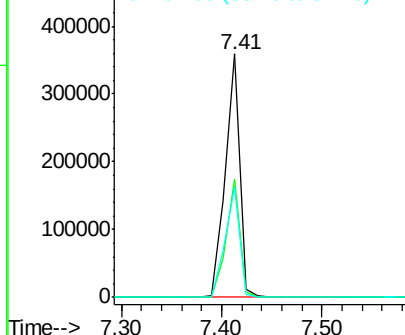
#23
Nitrobenzene-d5
Concen: 79.66 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.02 min
Lab File: BF083982.D
Acq: 20 Dec 2015 6:22

Instrument :
BNA_F
ClientSampleId :
UST-8

Tgt Ion: 82 Resp: 356586
Ion Ratio Lower Upper
82 100
128 48.5 34.6 51.8
54 45.3 38.4 57.6

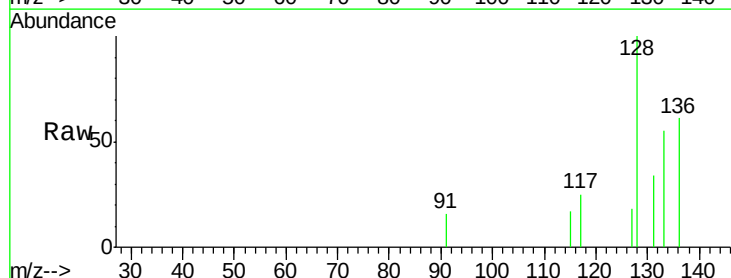


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

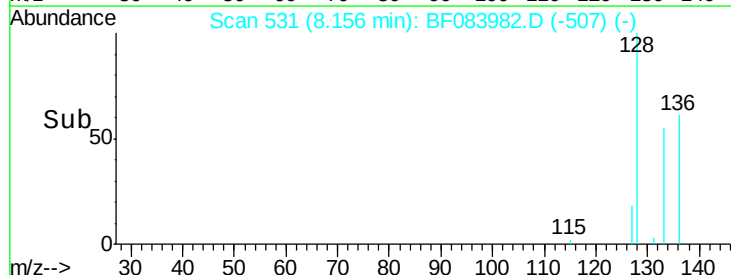
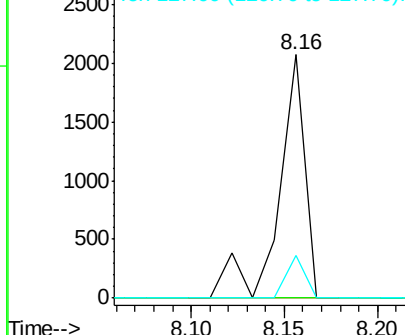


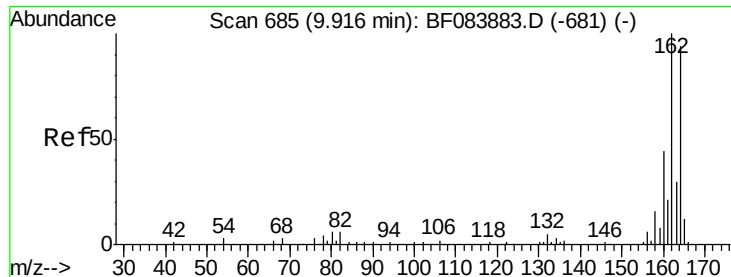
#31
Naphthalene
Concen: Below Cal
RT: 8.16 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF083982.D
Acq: 20 Dec 2015 6:22

Tgt Ion: 128 Resp: 2026
Ion Ratio Lower Upper
128 100
129 0.0 9.1 13.7#
127 17.6 11.1 16.7#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF083982.D

Acq: 20 Dec 2015 6:22

Instrument :

BNA_F

ClientSampleId :

UST-8

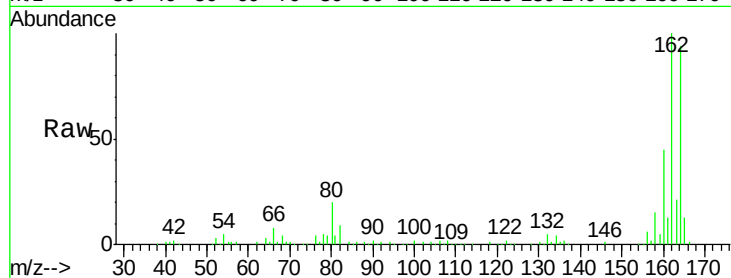
Tgt Ion:164 Resp: 136664

Ion Ratio Lower Upper

164 100

162 106.0 85.1 127.7

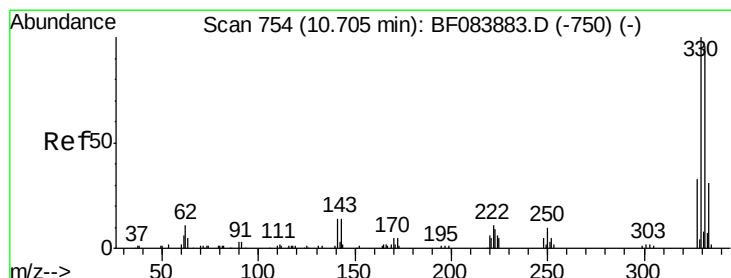
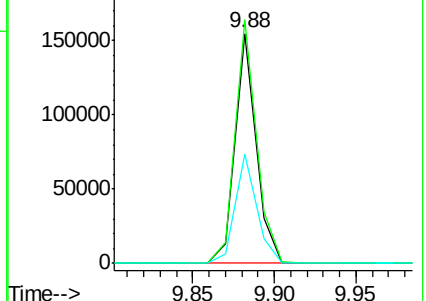
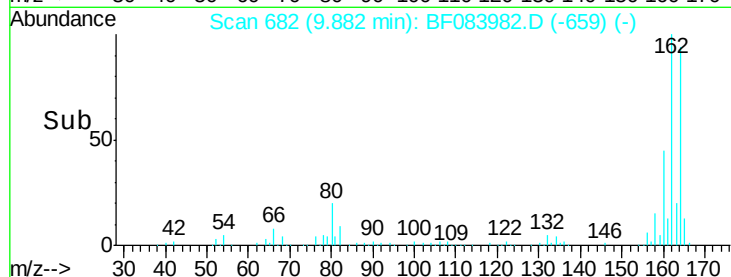
160 47.5 37.5 56.3



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: 77.78 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.03 min

Lab File: BF083982.D

Acq: 20 Dec 2015 6:22

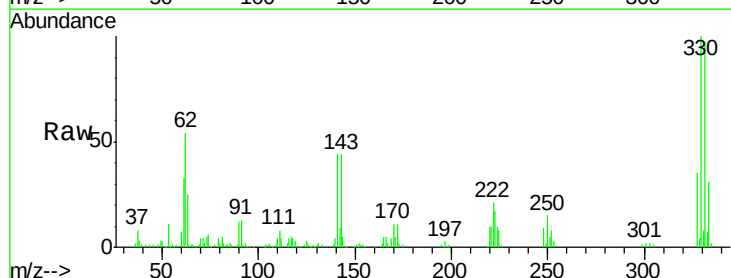
Tgt Ion:330 Resp: 117101

Ion Ratio Lower Upper

330 100

332 97.1 76.6 114.8

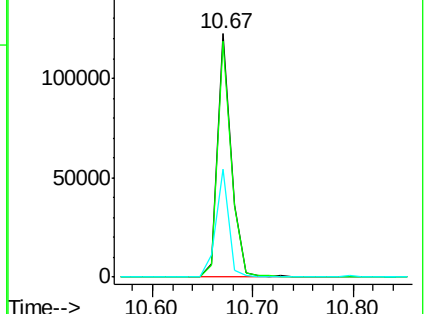
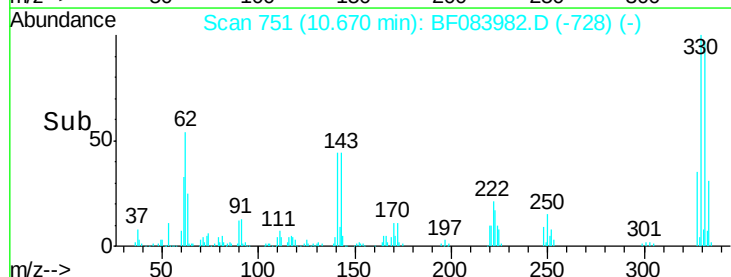
141 41.2 27.8 41.6

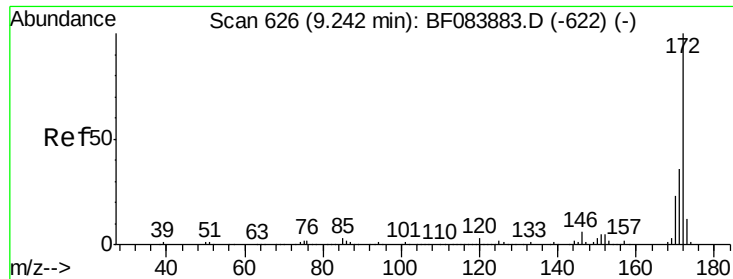


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

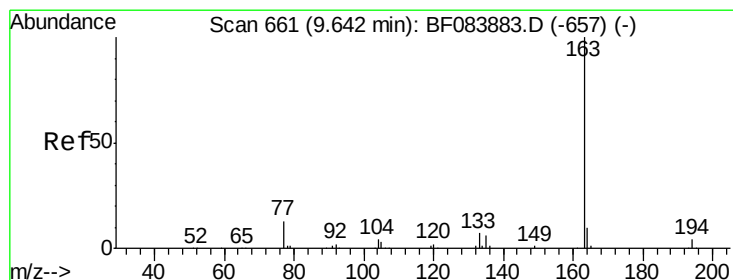
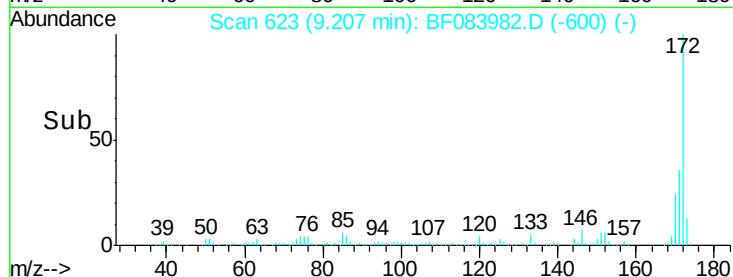
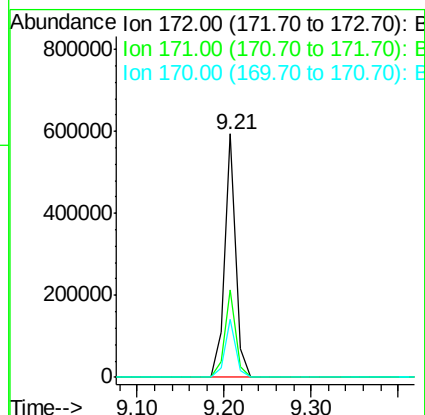
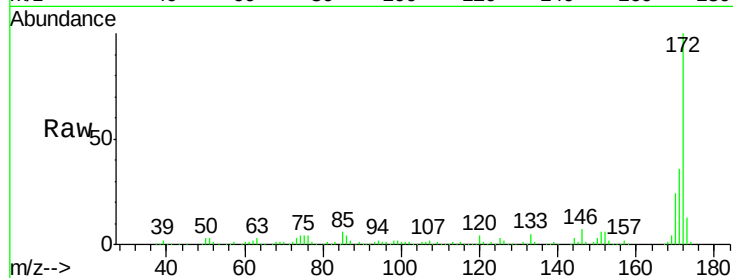




#44
2-Fluorobiphenyl
Concen: 51.83 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.03 min
Lab File: BF083982.D
Acq: 20 Dec 2015 6:22

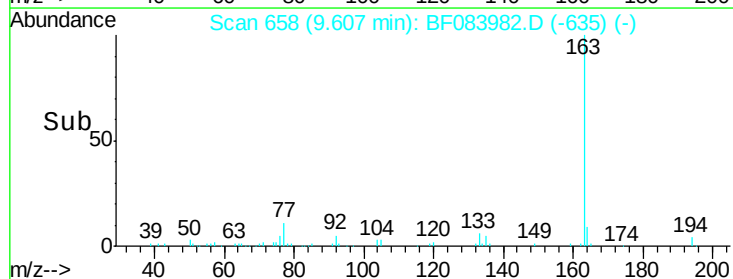
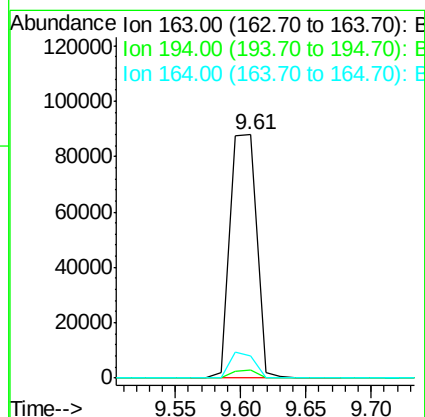
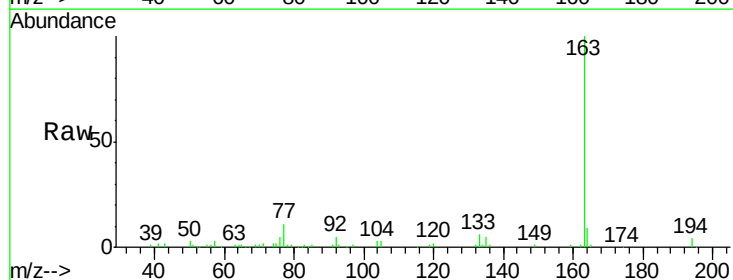
Instrument :
BNA_F
ClientSampleId :
UST-8

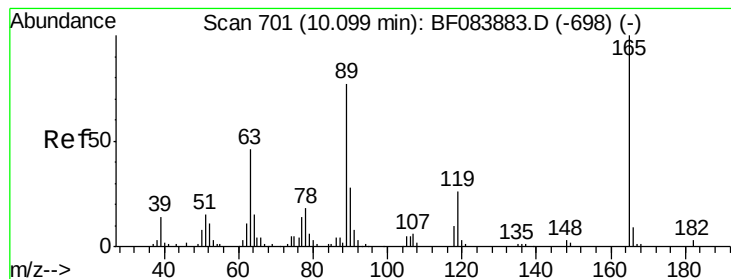
Tgt Ion:172 Resp: 536852
Ion Ratio Lower Upper
172 100
171 36.0 28.9 43.3
170 23.8 18.6 27.8



#49
Dimethylphthalate
Concen: 10.82 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.03 min
Lab File: BF083982.D
Acq: 20 Dec 2015 6:22

Tgt Ion:163 Resp: 124030
Ion Ratio Lower Upper
163 100
194 3.6 8.0 12.0#
164 8.9 8.0 12.0





#56

2,4-Dinitrotoluene

Concen: 5.60 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.22 min

Lab File: BF083982.D

Acq: 20 Dec 2015 6:22

Instrument :

BNA_F

ClientSampleId :

UST-8

Tgt Ion:165 Resp: 17942

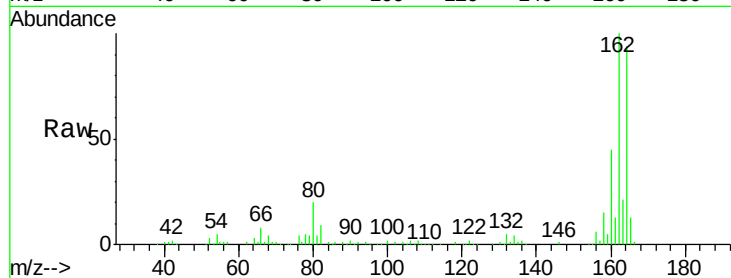
Ion Ratio Lower Upper

165 100

63 0.0 36.7 55.1#

89 1.7 61.9 92.9#

182 0.0 2.0 3.0#

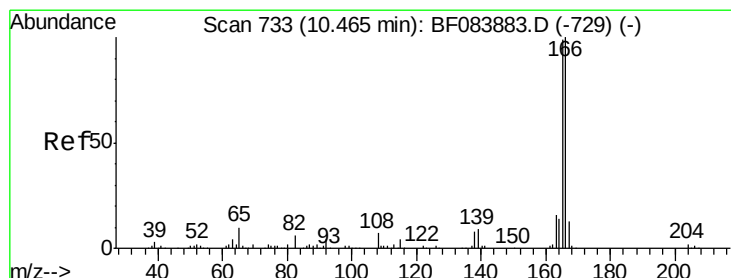
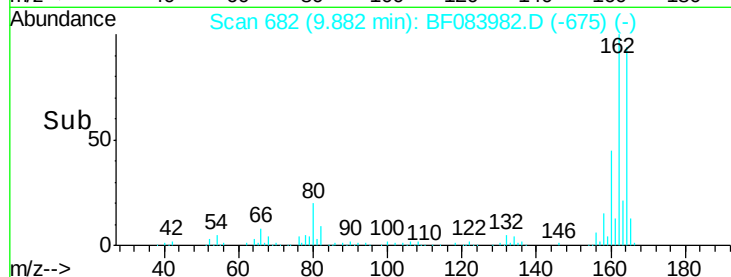
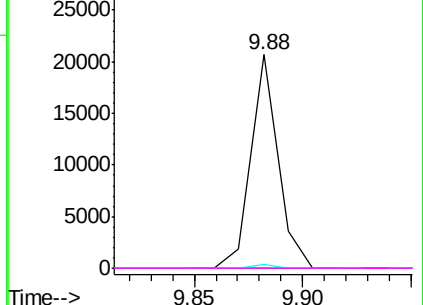


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.43 min Scan# 730

Delta R.T. -0.03 min

Lab File: BF083982.D

Acq: 20 Dec 2015 6:22

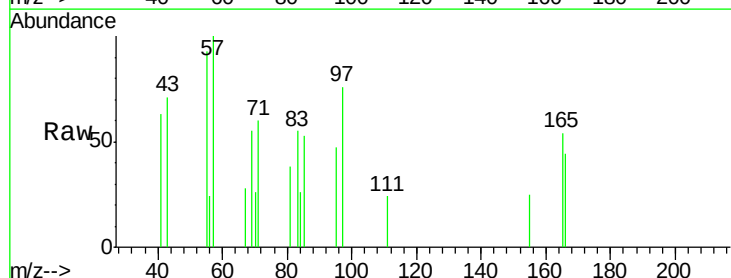
Tgt Ion:166 Resp: 385

Ion Ratio Lower Upper

166 100

165 121.9 79.1 118.7#

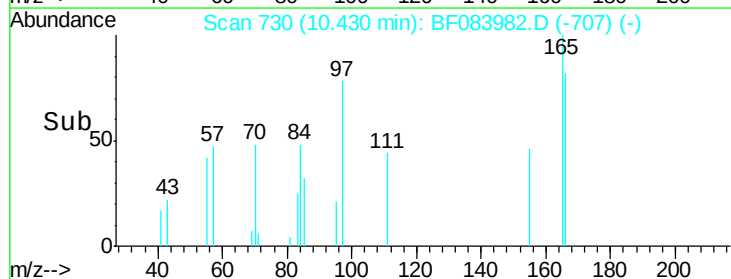
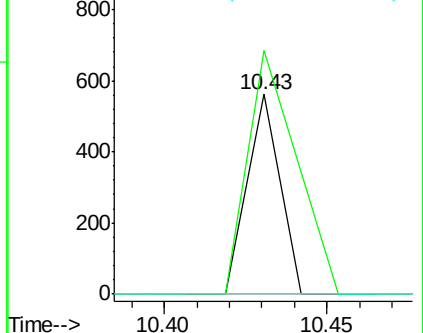
167 0.0 10.4 15.6#

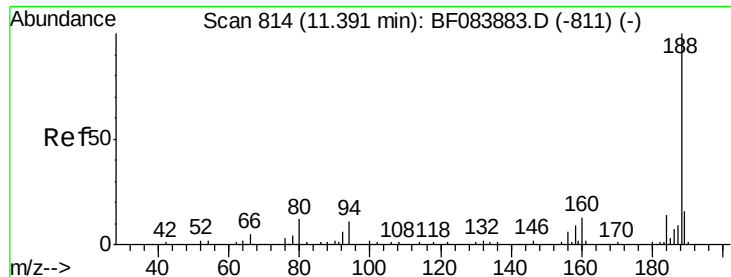


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

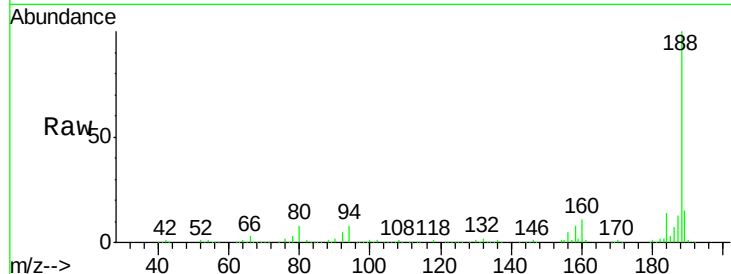




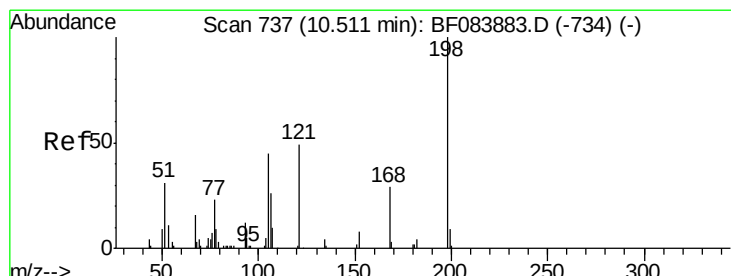
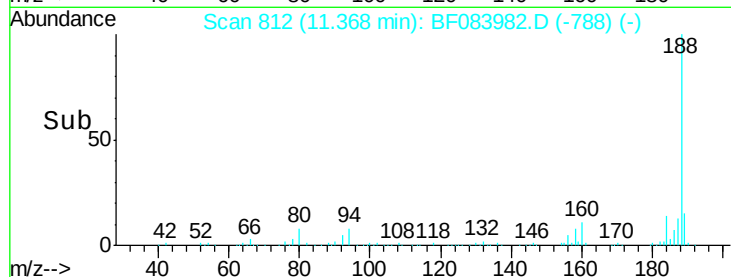
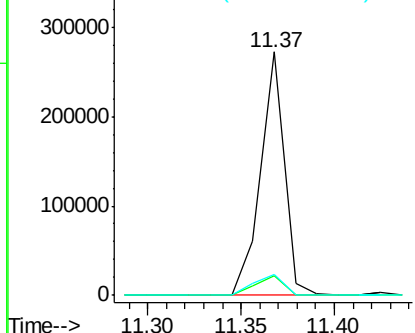
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BF083982.D
 Acq: 20 Dec 2015 6:22

Instrument :
 BNA_F
 ClientSampleId :
 UST-8

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	9.0	13.4#
80	8.3	9.6	14.4#

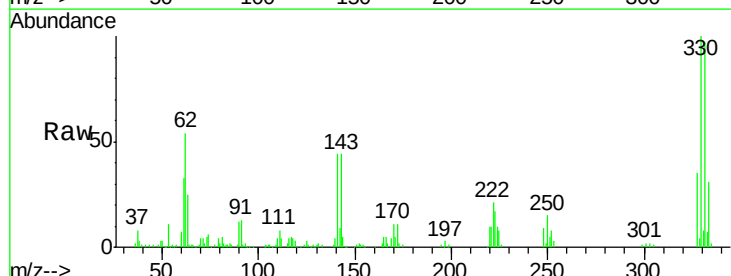


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

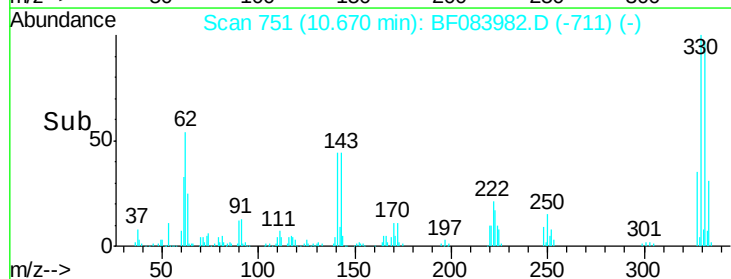
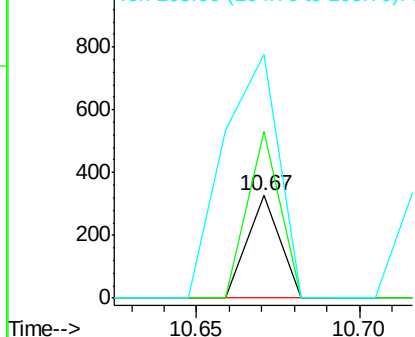


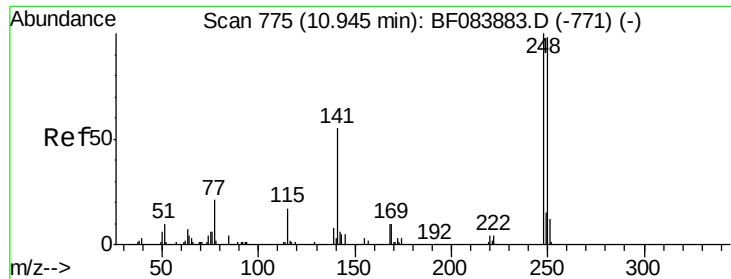
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.07 ng
 RT: 10.67 min Scan# 751
 Delta R.T. 0.16 min
 Lab File: BF083982.D
 Acq: 20 Dec 2015 6:22

Tgt Ion	Ratio	Lower	Upper
198	100		
51	162.4	18.9	58.9#
105	237.3	26.4	66.4#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.05 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.27 min

Lab File: BF083982.D

Acq: 20 Dec 2015 6:22

Instrument :

BNA_F

ClientSampleId :

UST-8

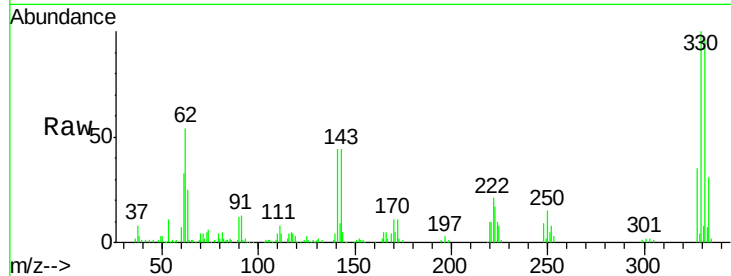
Tgt Ion:248 Resp: 8935

Ion Ratio Lower Upper

248 100

250 177.0 78.4 117.6#

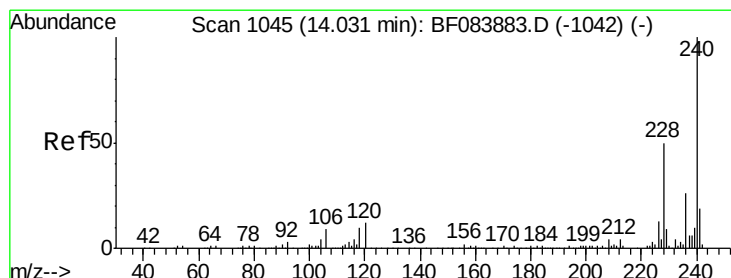
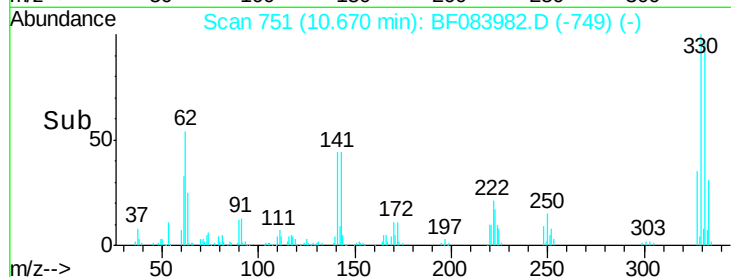
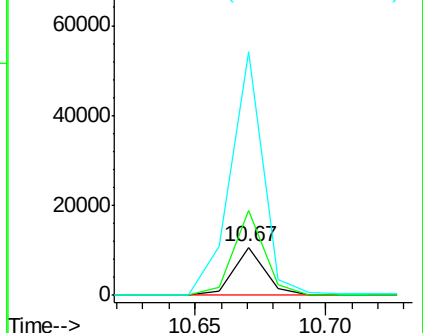
141 505.3 44.0 66.0#



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: 14.00 min Scan# 1042

Delta R.T. -0.03 min

Lab File: BF083982.D

Acq: 20 Dec 2015 6:22

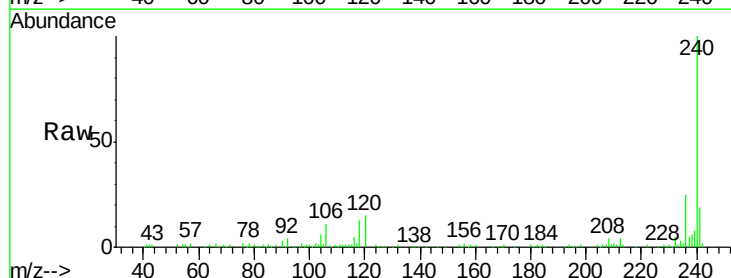
Tgt Ion:240 Resp: 176758

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

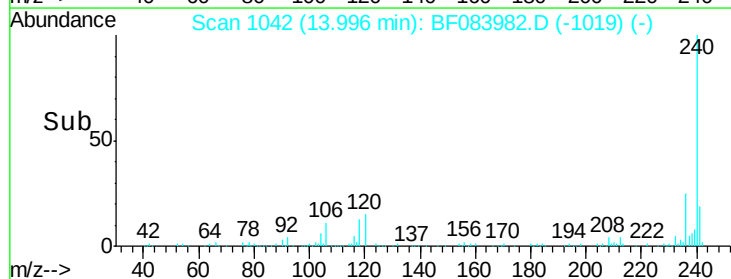
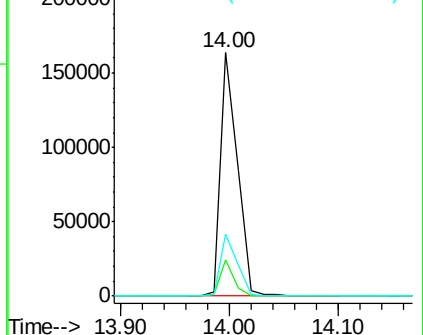
236 25.2 20.6 31.0

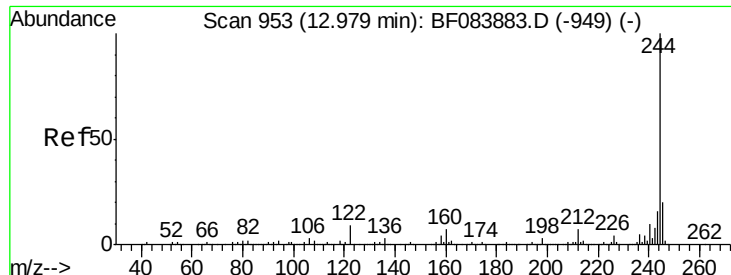


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 62.47 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.03 min

Lab File: BF083982.D

Acq: 20 Dec 2015 6:22

Instrument :

BNA_F

ClientSampleId :

UST-8

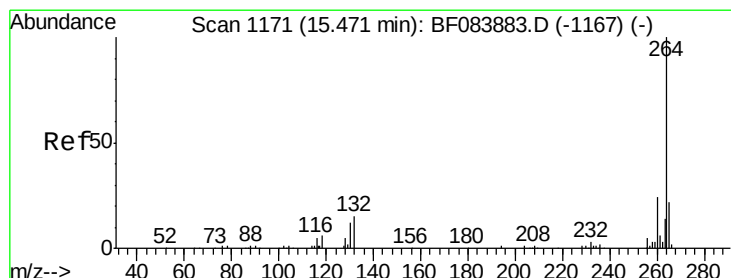
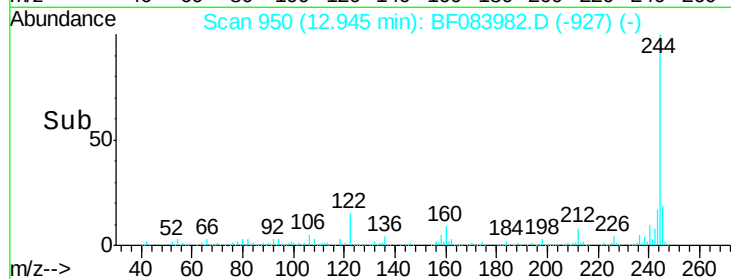
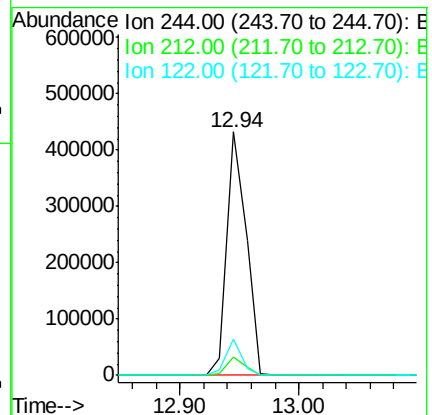
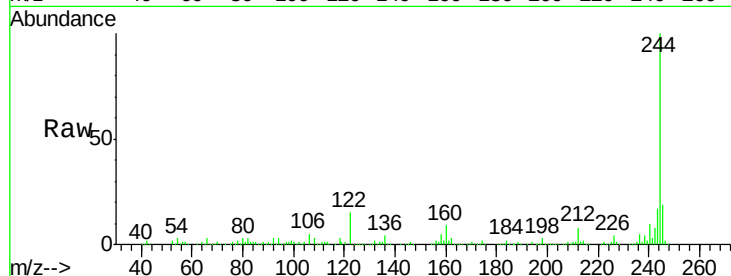
Tgt Ion:244 Resp: 484876

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

122 14.9 7.4 11.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.03 min

Lab File: BF083982.D

Acq: 20 Dec 2015 6:22

Tgt Ion:264 Resp: 160658

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 21.5 17.8 26.6

