

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083981.D
 Acq On : 20 Dec 2015 5:54
 Operator : UM/SJ
 Sample : G4851-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-7

Quant Time: Dec 20 07:10:38 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

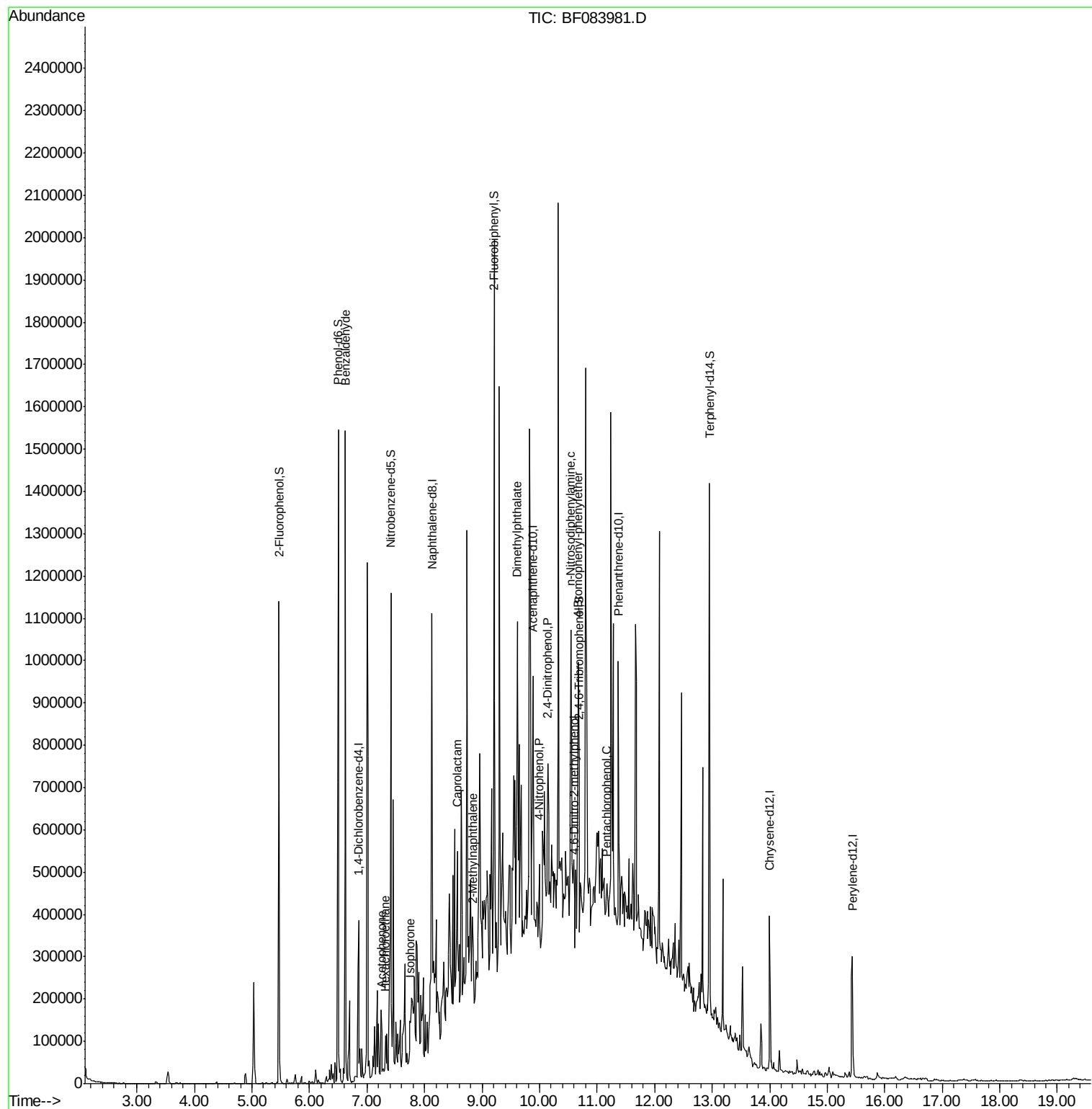
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	73596	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	257356	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	130113	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	228721	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	140508	20.00	ng	-0.03
86) Perylene-d12	15.44	264	152041	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	399163	84.88	ng	-0.01
7) Phenol-d6	6.50	99	591073	102.68	ng	-0.01
23) Nitrobenzene-d5	7.41	82	364020	80.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	105710	73.75	ng	-0.02
44) 2-Fluorobiphenyl	9.21	172	610011	63.21	ng	-0.03
78) Terphenyl-d14	12.96	244	573714	96.30	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.62	77	10189	2.94	ng	Qvalue 91
18) Hexachloroethane	7.32	117	5157	2.29	ng	# 1
22) Acetophenone	7.25	105	20155	3.25	ng	# 47
25) Isophorone	7.76	82	18607	2.19	ng	# 64
35) Caprolactam	8.57	113	12692	10.18	ng	# 40
36) 4-Chloro-3-methylphenol	8.66	107	680	Below Cal	#	20
37) 2-Methylnaphthalene	8.84	142	46170	5.16	ng	# 93
45) 1,1'-Biphenyl	9.31	154	13339	Below Cal	#	99
46) 2-Chloronaphthalene	9.36	162	823	Below Cal	#	1
49) Dimethylphthalate	9.61	163	196026	17.95	ng	# 92
53) 2,4-Dinitrophenol	10.14	184	275	10.58	ng	# 1
55) 4-Nitrophenol	10.00	139	3820	2.44	ng	# 26
57) Fluorene	10.43	166	6713	Below Cal	#	64
64) 4,6-Dinitro-2-methylphenol	10.60	198	501	4.26	ng	# 1
65) n-Nitrosodiphenylamine	10.54	169	21824	2.62	ng	# 53
66) 4-Bromophenyl-phenylether	10.67	248	7105	2.54	ng	# 1
69) Pentachlorophenol	11.16	266	357	4.99	ng	# 1
77) Pyrene	12.81	202	25499	Below Cal	#	100

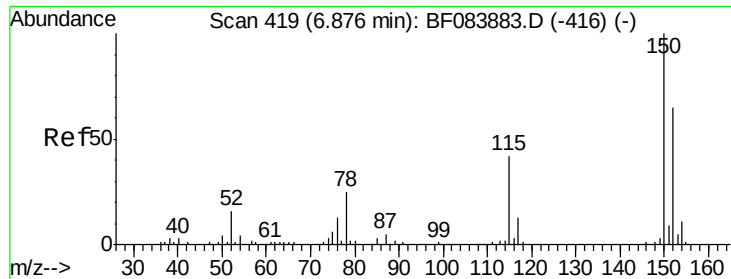
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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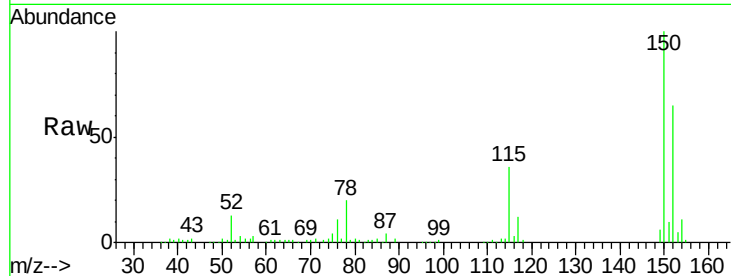


#1

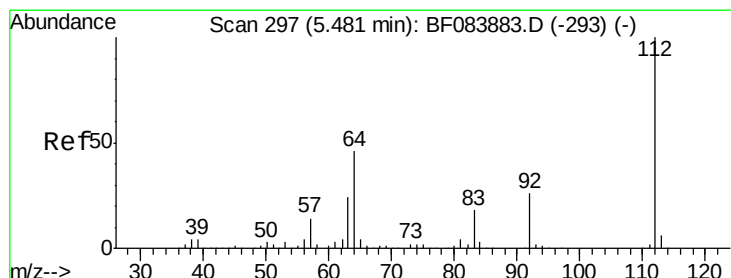
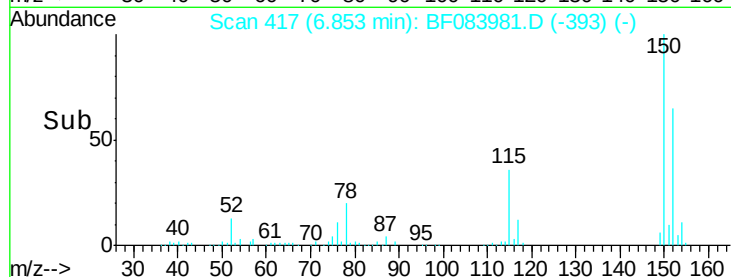
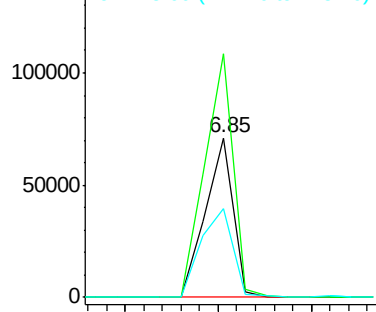
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.02 min
 Lab File: BF083981.D
 Acq: 20 Dec 2015 5:54

Instrument :
 BNA_F
 ClientSampleId :
 UST-7

Tgt Ion:152 Resp: 73596
 Ion Ratio Lower Upper
 152 100
 150 152.7 123.0 184.4
 115 55.5 51.4 77.2



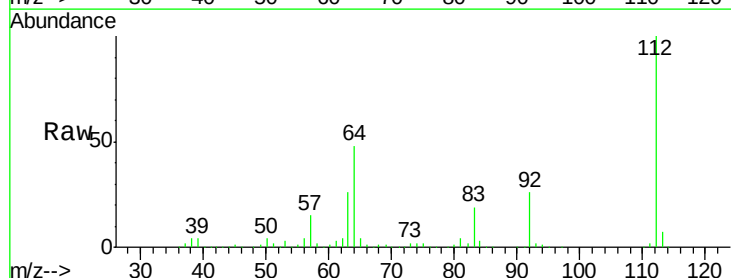
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



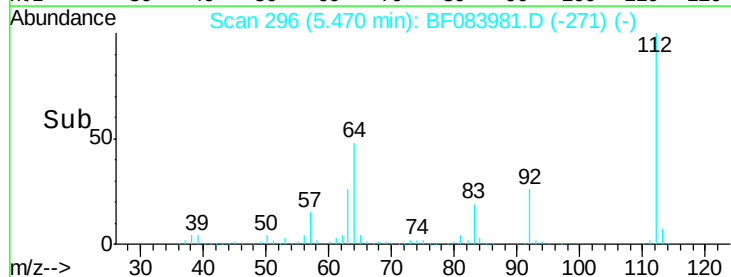
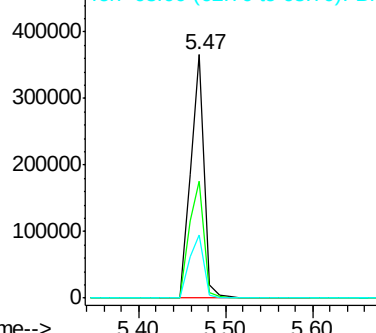
#5

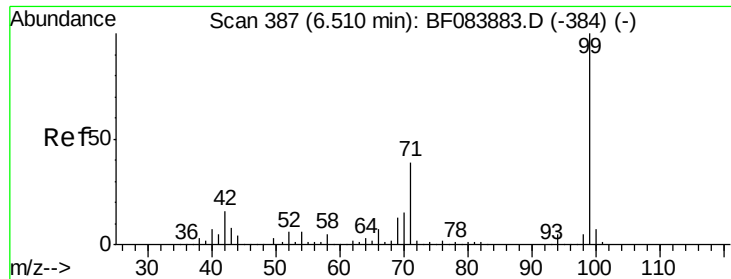
2-Fluorophenol
 Concen: 84.88 ng
 RT: 5.47 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: BF083981.D
 Acq: 20 Dec 2015 5:54

Tgt Ion:112 Resp: 399163
 Ion Ratio Lower Upper
 112 100
 64 47.9 36.6 55.0
 63 26.1 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: 102.68 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083981.D

Acq: 20 Dec 2015 5:54

Instrument :

BNA_F

ClientSampleId :

UST-7

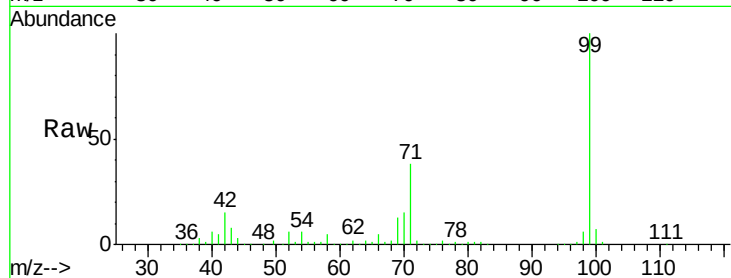
Tgt Ion: 99 Resp: 591073

Ion Ratio Lower Upper

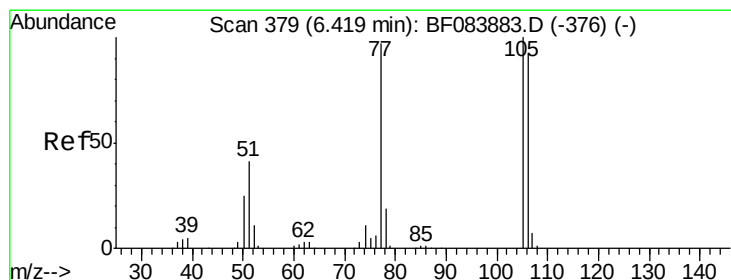
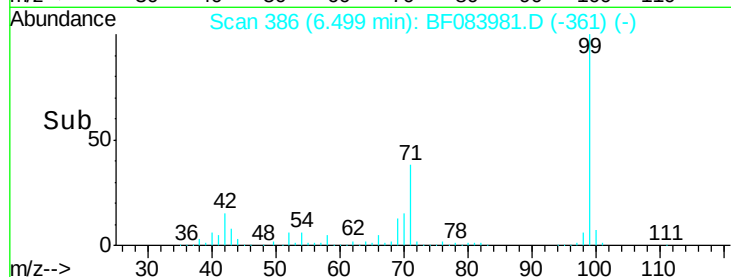
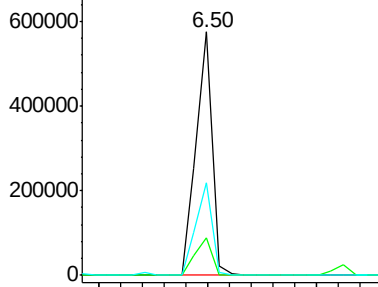
99 100

42 15.4 12.8 19.2

71 37.8 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: 2.94 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.21 min

Lab File: BF083981.D

Acq: 20 Dec 2015 5:54

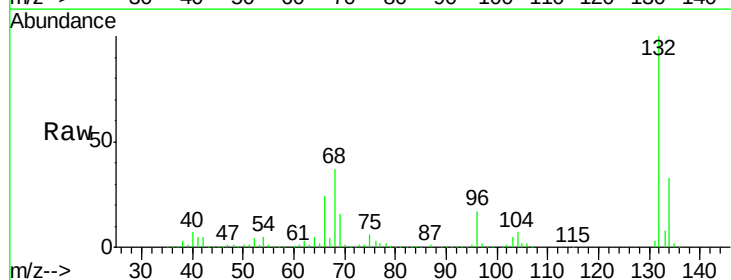
Tgt Ion: 77 Resp: 10189

Ion Ratio Lower Upper

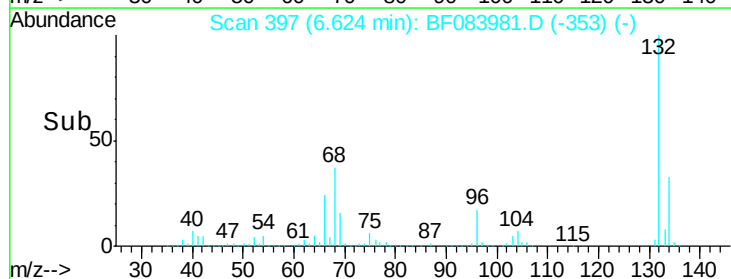
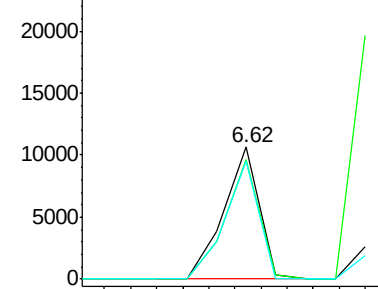
77 100

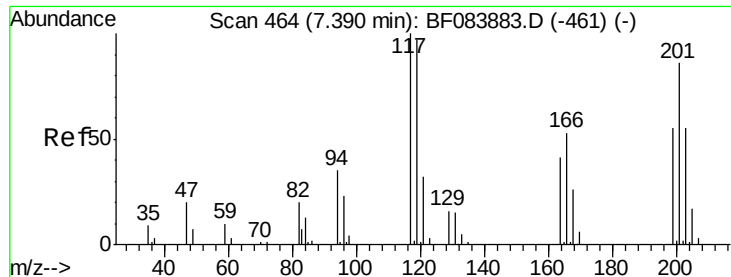
105 90.2 83.0 123.0

106 89.4 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





#18

Hexachloroethane

Concen: 2.29 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.07 min

Lab File: BF083981.D

Acq: 20 Dec 2015 5:54

Instrument :

BNA_F

ClientSampleId :

UST-7

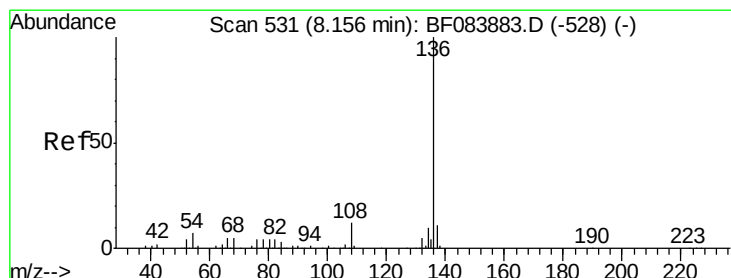
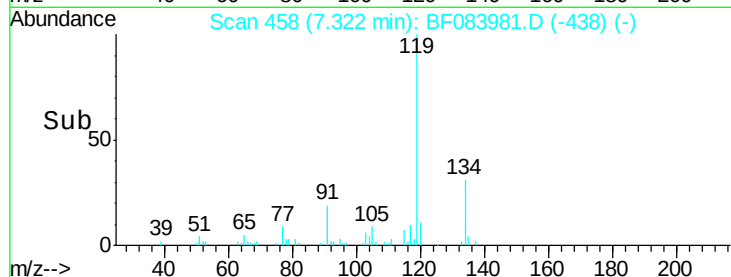
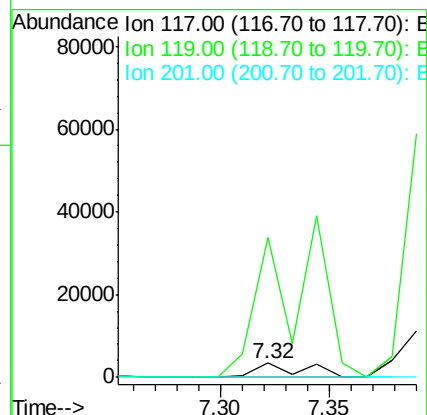
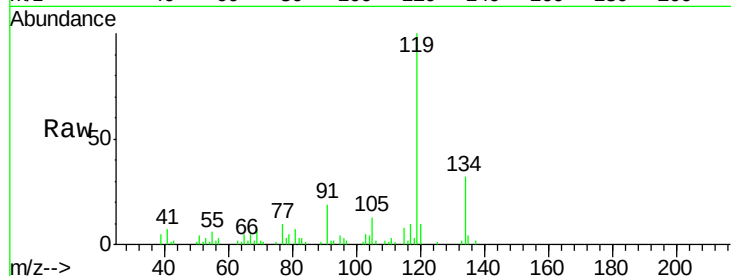
Tgt Ion:117 Resp: 5157

Ion Ratio Lower Upper

117 100

119 1004.3 77.4 116.0#

201 0.0 68.6 103.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.02 min

Lab File: BF083981.D

Acq: 20 Dec 2015 5:54

Tgt Ion:136 Resp: 257356

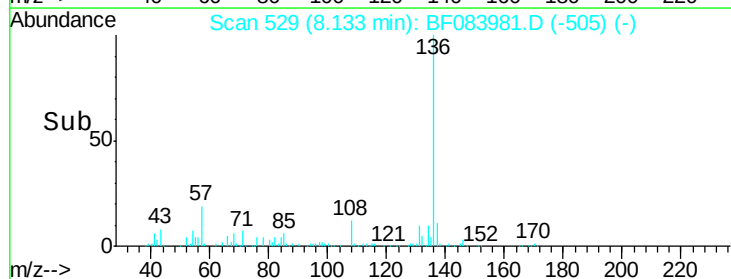
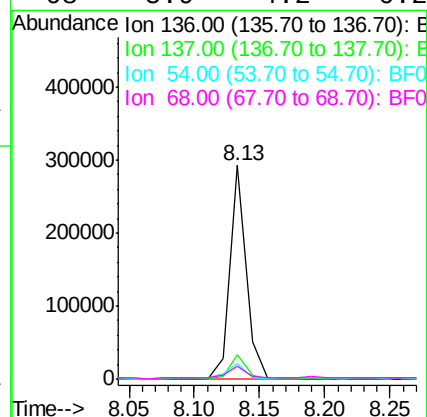
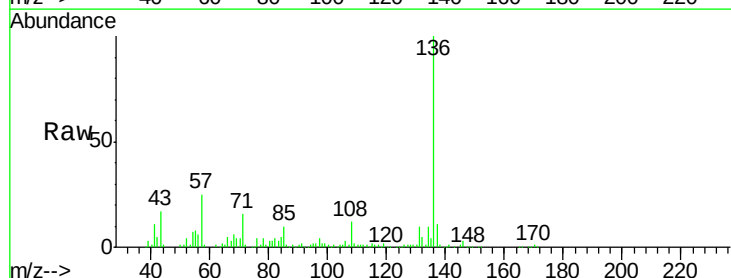
Ion Ratio Lower Upper

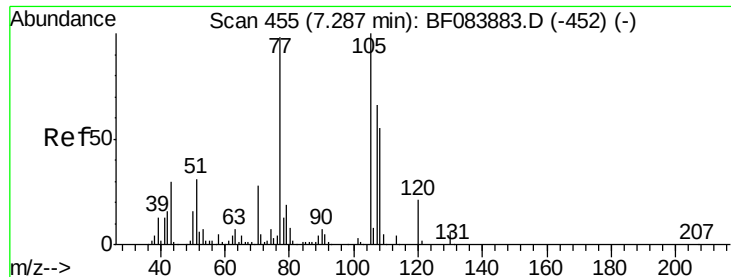
136 100

137 11.2 8.7 13.1

54 7.5 5.8 8.8

68 5.9 4.2 6.2





#22

Acetophenone

Concen: 3.25 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.03 min

Lab File: BF083981.D

Acq: 20 Dec 2015 5:54

Instrument :

BNA_F

ClientSampleId :

UST-7

Tgt Ion: 105 Resp: 20155

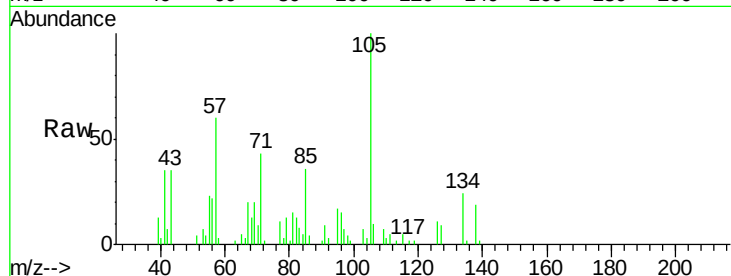
Ion Ratio Lower Upper

105 100

71 43.1 3.7 5.5#

51 4.4 25.1 37.7#

120 0.0 16.6 25.0#



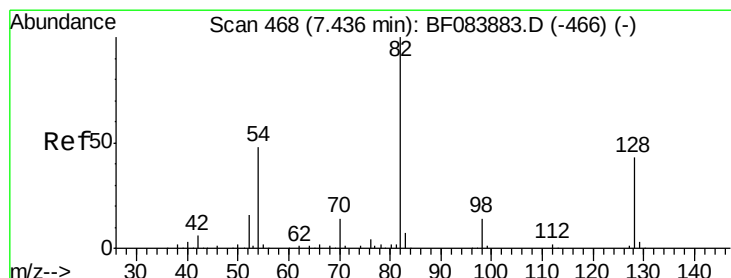
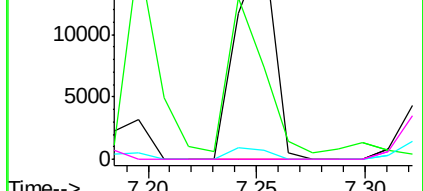
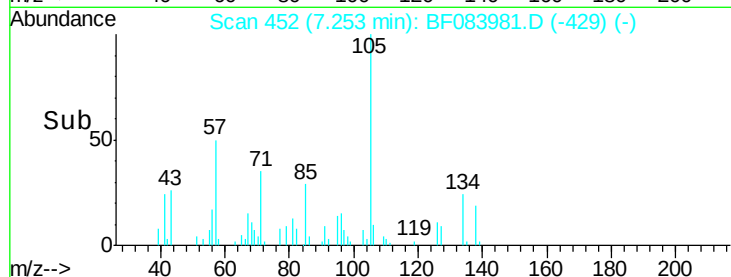
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



#23

Nitrobenzene-d5

Concen: 80.73 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.02 min

Lab File: BF083981.D

Acq: 20 Dec 2015 5:54

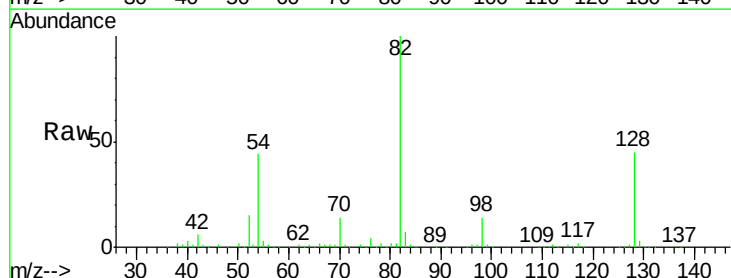
Tgt Ion: 82 Resp: 364020

Ion Ratio Lower Upper

82 100

128 45.2 34.6 51.8

54 44.2 38.4 57.6

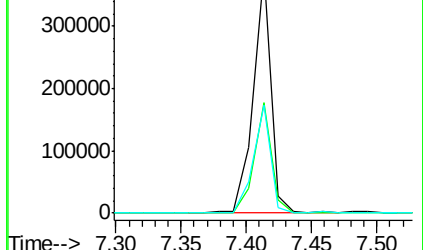
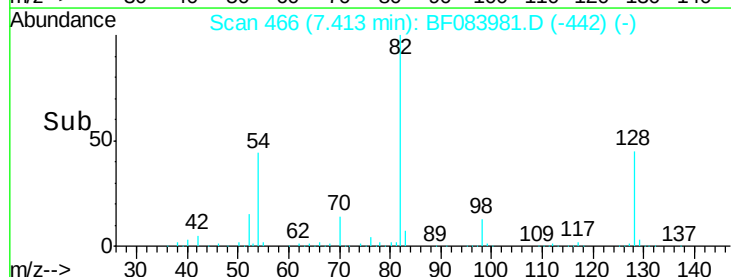


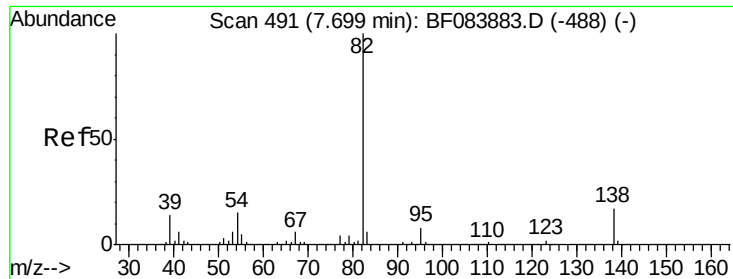
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->





#25

Isophorone

Concen: 2.19 ng

RT: 7.76 min Scan# 496

Delta R.T. 0.06 min

Lab File: BF083981.D

Acq: 20 Dec 2015 5:54

Instrument :

BNA_F

ClientSampleId :

UST-7

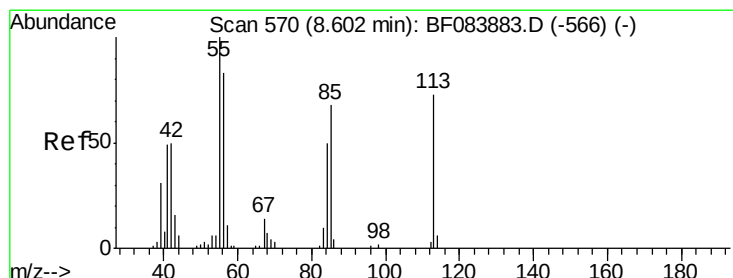
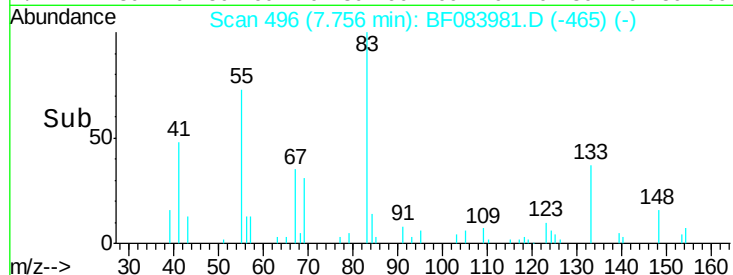
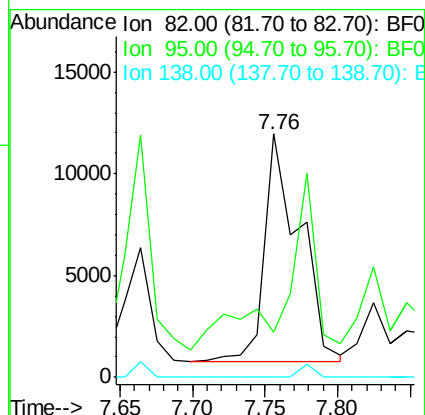
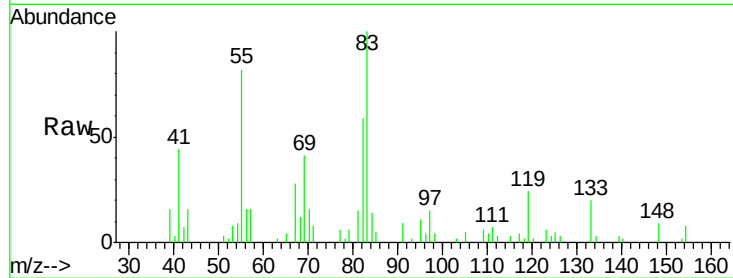
Tgt Ion: 82 Resp: 18607

Ion Ratio Lower Upper

82 100

95 18.6 6.6 10.0#

138 0.0 13.6 20.4#



#35

Caprolactam

Concen: 10.18 ng

RT: 8.57 min Scan# 567

Delta R.T. -0.03 min

Lab File: BF083981.D

Acq: 20 Dec 2015 5:54

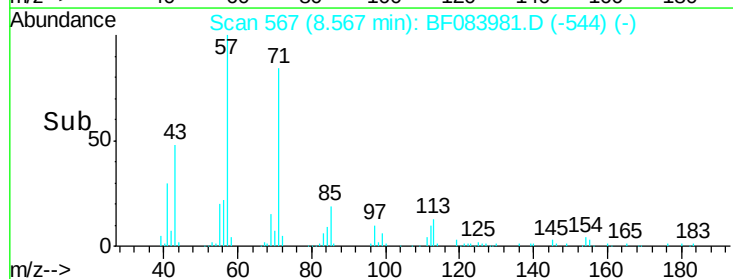
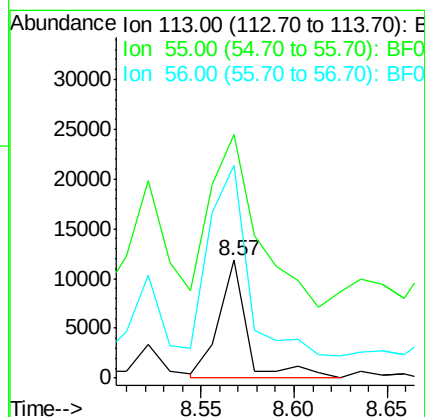
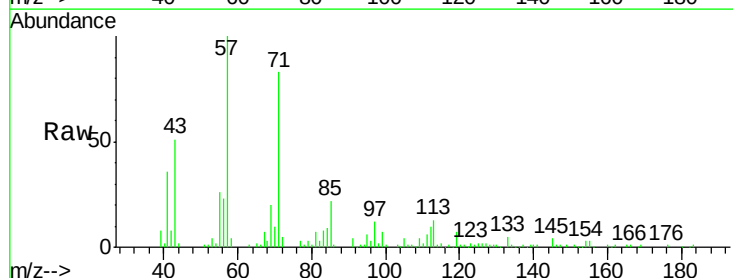
Tgt Ion: 113 Resp: 12692

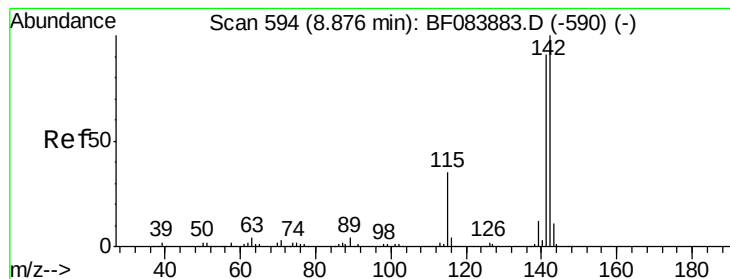
Ion Ratio Lower Upper

113 100

55 207.1 116.9 156.9#

56 181.3 93.8 133.8#





#37

2-Methylnaphthalene

Concen: 5.16 ng

RT: 8.84 min Scan# 591

Delta R.T. -0.03 min

Lab File: BF083981.D

Acq: 20 Dec 2015 5:54

Instrument :

BNA_F

ClientSampleId :

UST-7

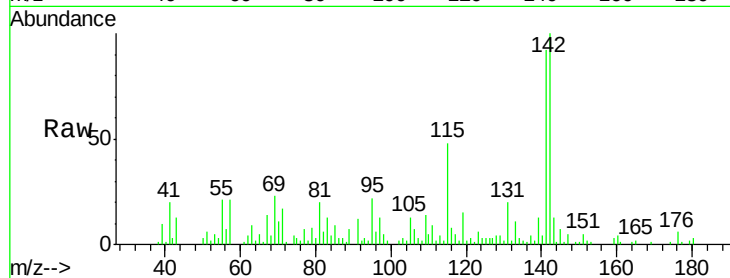
Tgt Ion:142 Resp: 46170

Ion Ratio Lower Upper

142 100

141 92.1 72.4 108.6

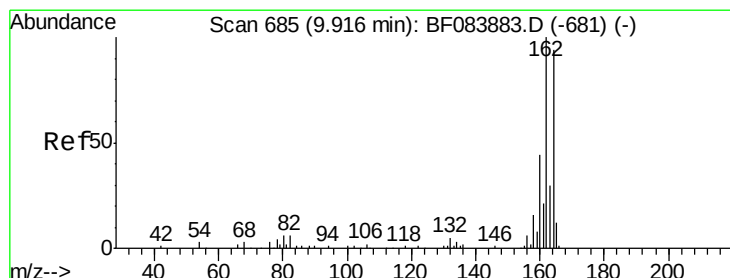
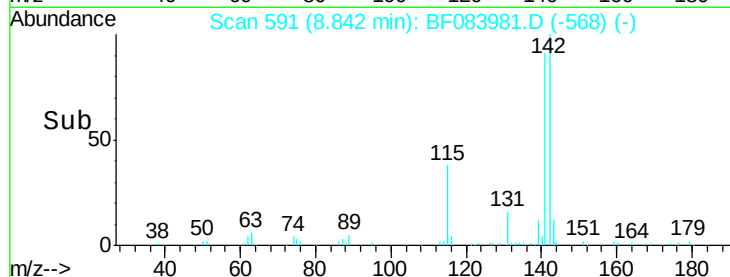
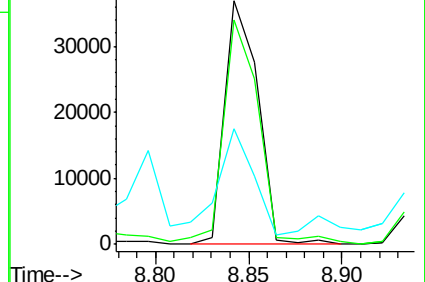
115 47.6 27.9 41.9#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF083981.D

Acq: 20 Dec 2015 5:54

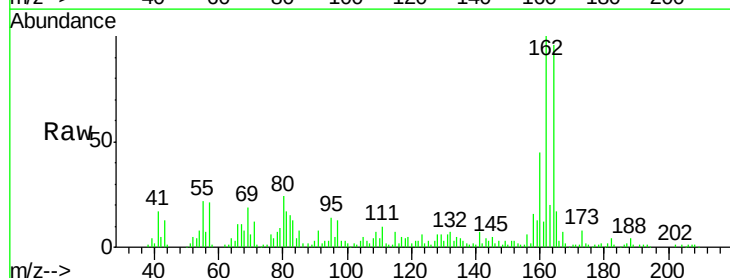
Tgt Ion:164 Resp: 130113

Ion Ratio Lower Upper

164 100

162 104.1 85.1 127.7

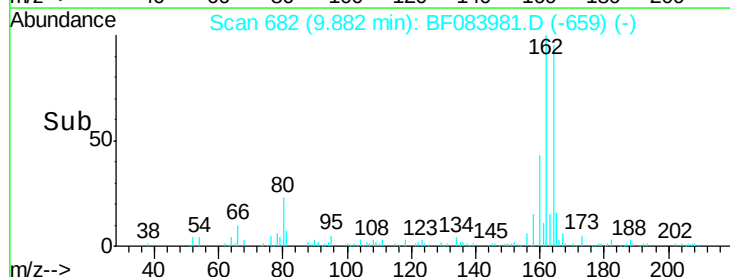
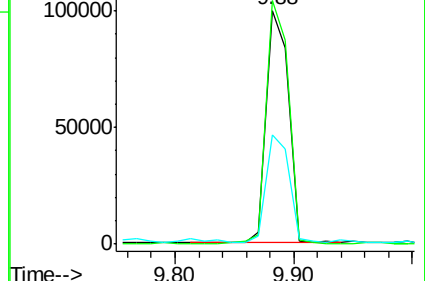
160 46.8 37.5 56.3

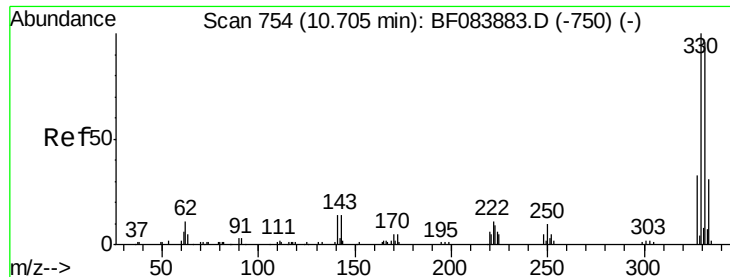


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

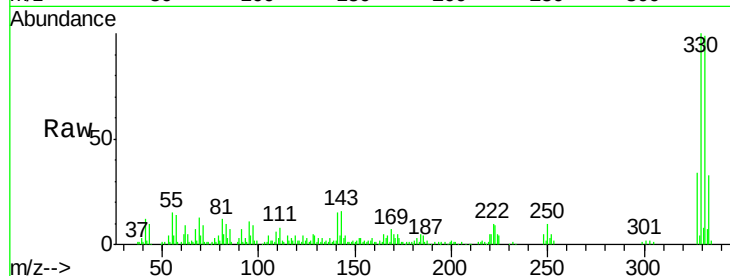




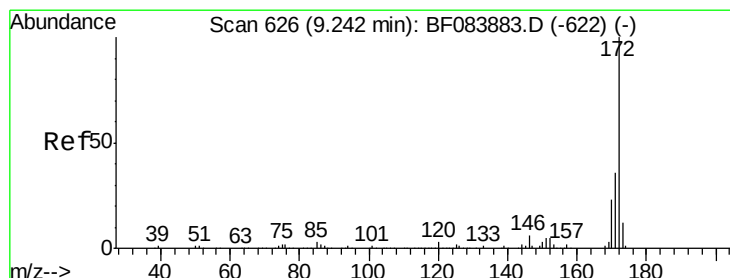
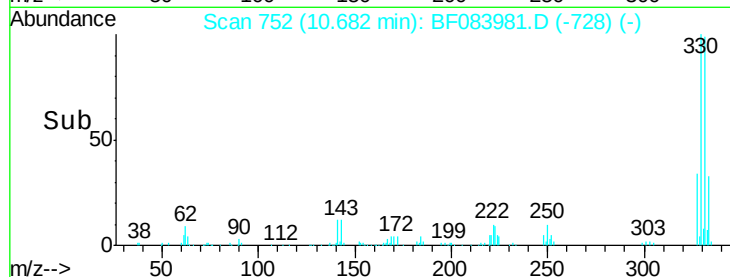
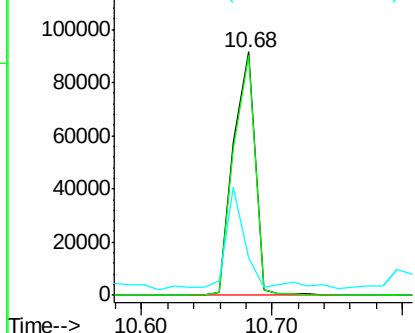
#41
 2,4,6-Tribromophenol
 Concen: 73.75 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: BF083981.D
 Acq: 20 Dec 2015 5:54

Instrument :
 BNA_F
 ClientSampleId :
 UST-7

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.6	114.8
141	39.3	27.8	41.6

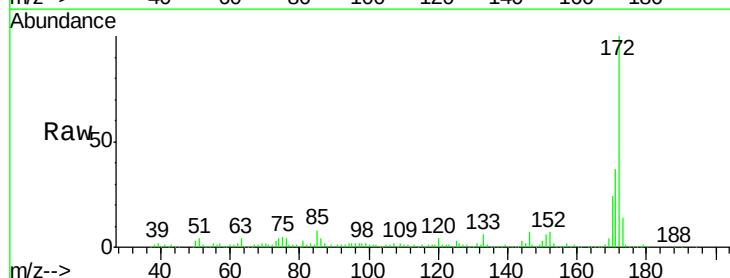


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

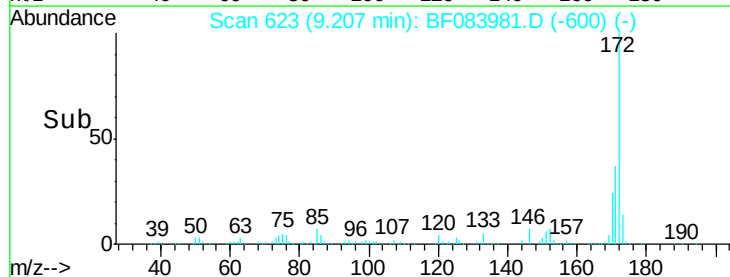
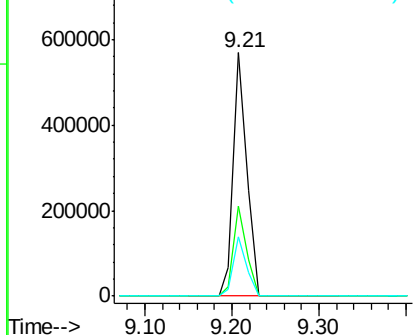


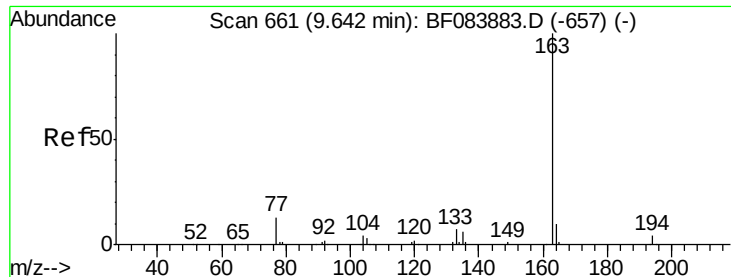
#44
 2-Fluorobiphenyl
 Concen: 63.21 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF083981.D
 Acq: 20 Dec 2015 5:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.9	43.3
170	24.1	18.6	27.8



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





#49

Dimethylphthalate

Concen: 17.95 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.03 min

Lab File: BF083981.D

Acq: 20 Dec 2015 5:54

Instrument :

BNA_F

ClientSampleId :

UST-7

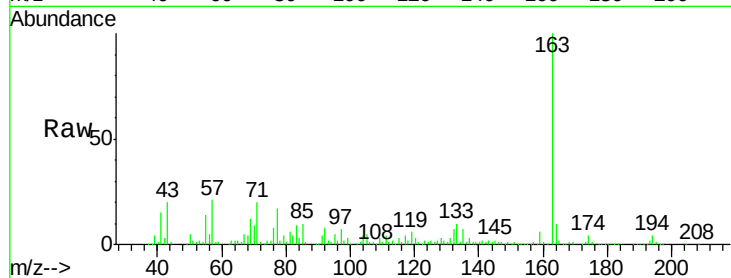
Tgt Ion:163 Resp: 196026

Ion Ratio Lower Upper

163 100

194 4.1 8.0 12.0#

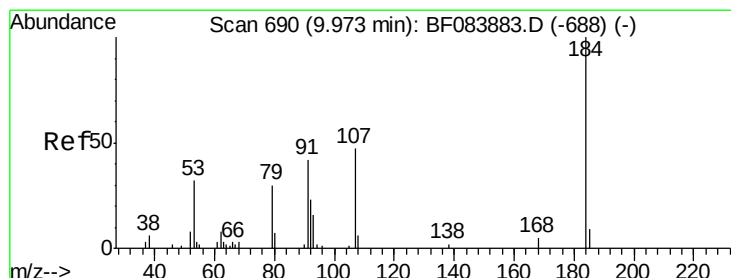
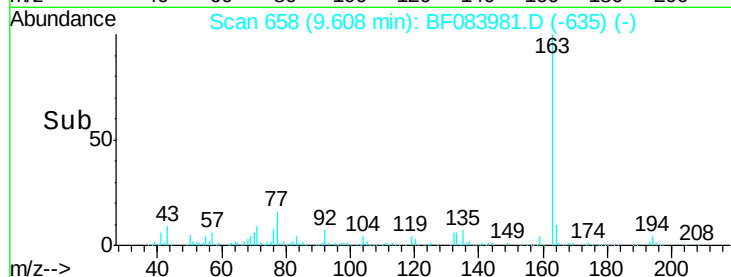
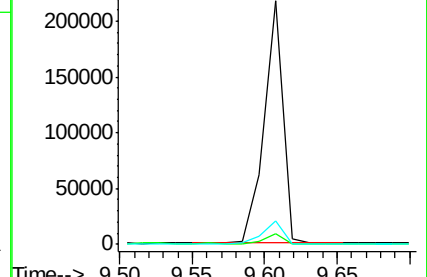
164 9.9 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

2,4-Dinitrophenol

Concen: 10.58 ng

RT: 10.14 min Scan# 705

Delta R.T. 0.17 min

Lab File: BF083981.D

Acq: 20 Dec 2015 5:54

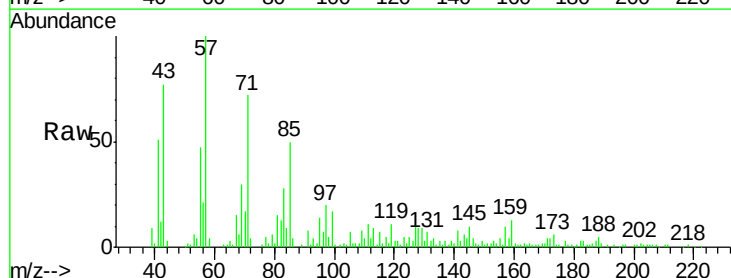
Tgt Ion:184 Resp: 275

Ion Ratio Lower Upper

184 100

63 181.3 43.1 64.7#

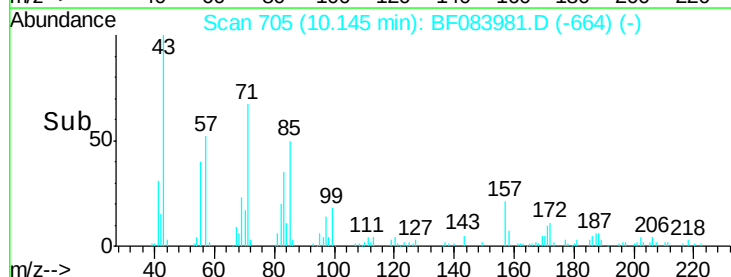
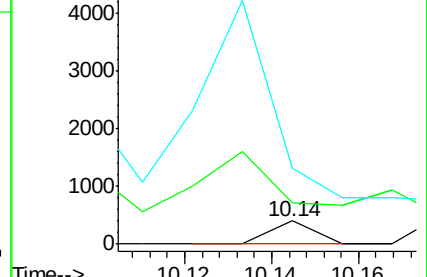
154 325.9 60.5 90.7#

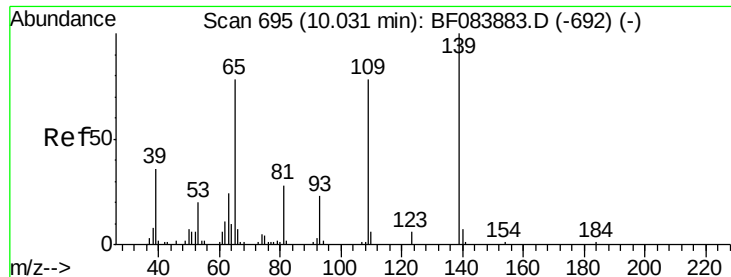


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

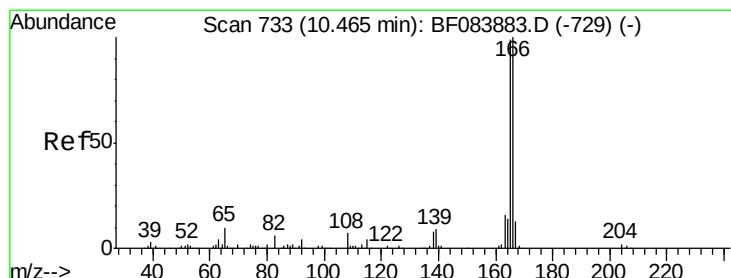
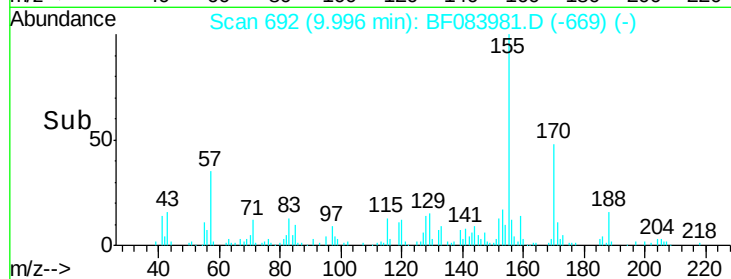
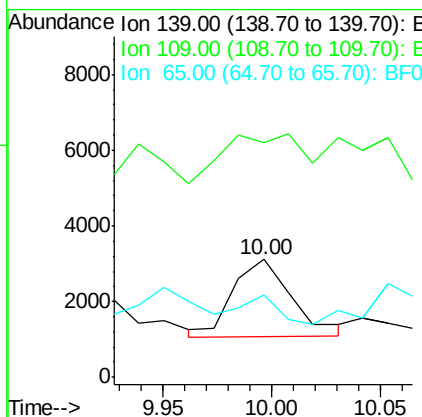
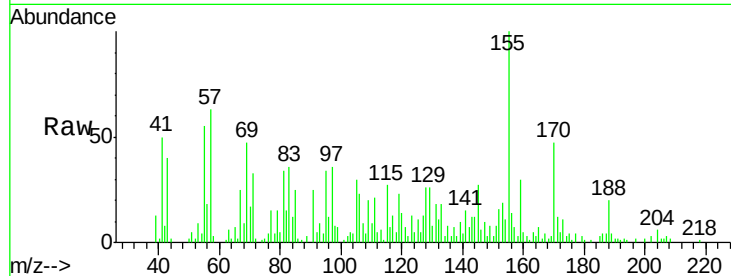




#55
4-Nitrophenol
Concen: 2.44 ng
RT: 10.00 min Scan# 692
Delta R.T. -0.03 min
Lab File: BF083981.D
Acq: 20 Dec 2015 5:54

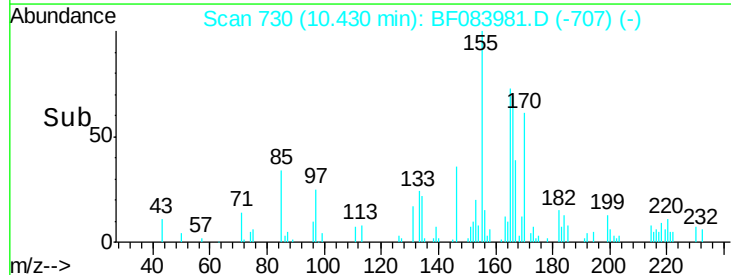
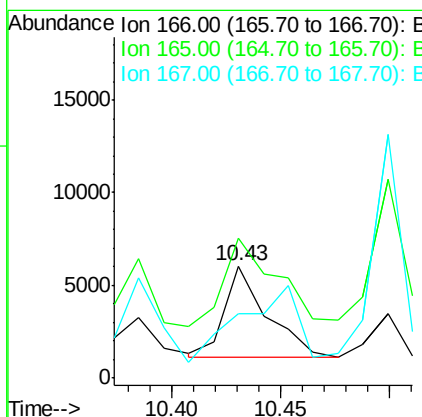
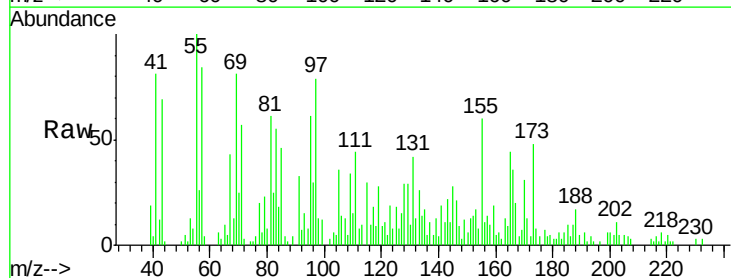
Instrument :
BNA_F
ClientSampleId :
UST-7

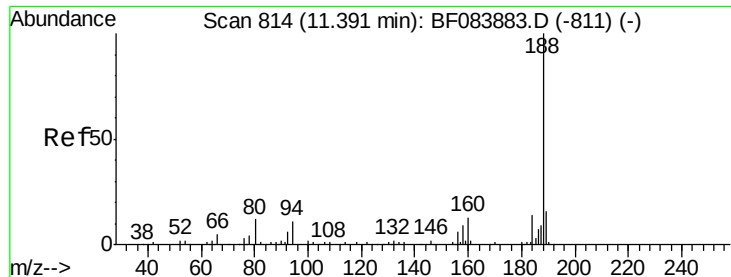
Tgt Ion:139 Resp: 3820
Ion Ratio Lower Upper
139 100
109 199.2 58.5 98.5#
65 70.3 57.6 97.6



#57
Fluorene
Concen: Below Cal
RT: 10.43 min Scan# 730
Delta R.T. -0.03 min
Lab File: BF083981.D
Acq: 20 Dec 2015 5:54

Tgt Ion:166 Resp: 6713
Ion Ratio Lower Upper
166 100
165 125.0 79.1 118.7#
167 57.1 10.4 15.6#

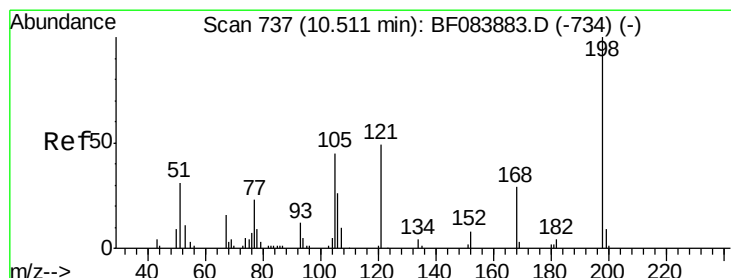
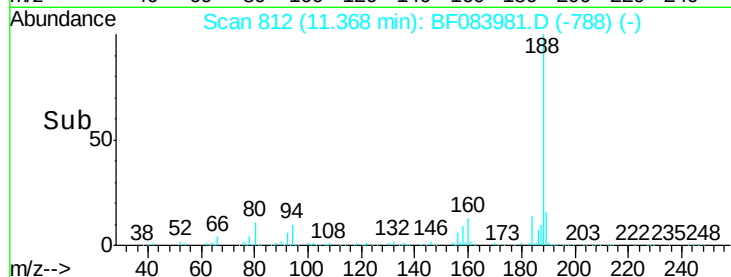
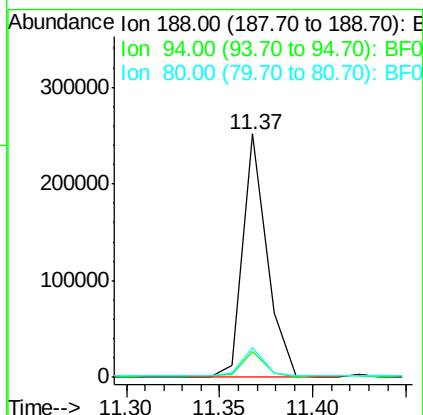
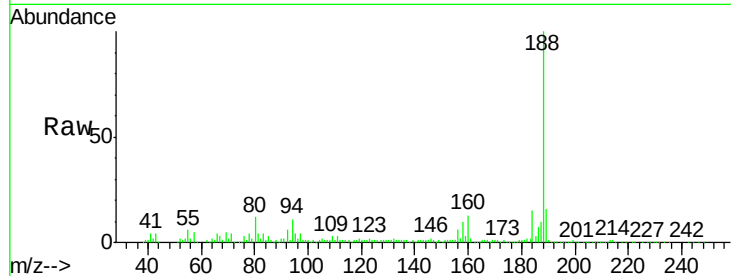




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF083981.D
Acq: 20 Dec 2015 5:54

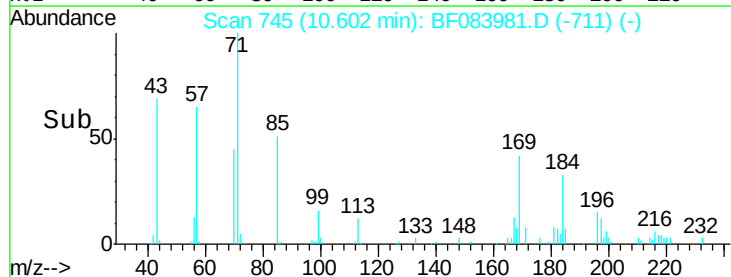
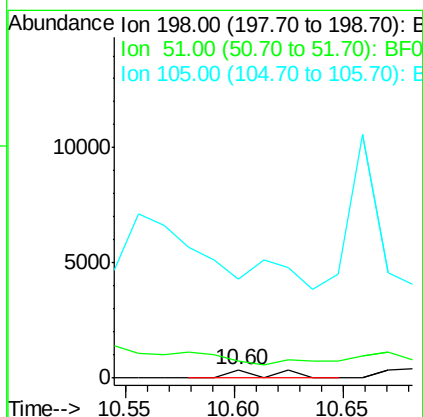
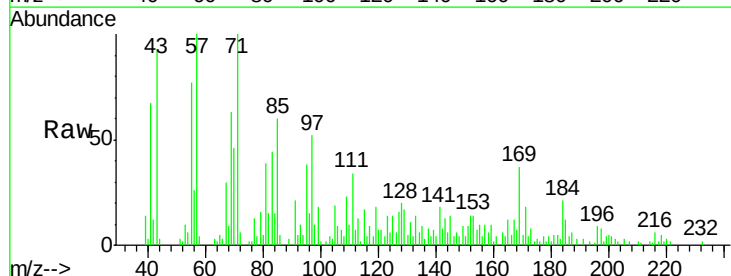
Instrument :
BNA_F
ClientSampleId :
UST-7

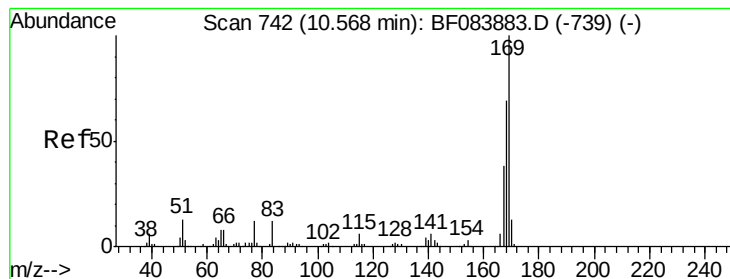
Tgt Ion:188 Resp: 228721
Ion Ratio Lower Upper
188 100
94 10.7 9.0 13.4
80 12.0 9.6 14.4



#64
4,6-Dinitro-2-methylphenol
Concen: 4.26 ng
RT: 10.60 min Scan# 745
Delta R.T. 0.09 min
Lab File: BF083981.D
Acq: 20 Dec 2015 5:54

Tgt Ion:198 Resp: 501
Ion Ratio Lower Upper
198 100
51 205.7 18.9 58.9#
105 1175.3 26.4 66.4#





#65

n-Nitrosodiphenylamine

Concen: 2.62 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.02 min

Lab File: BF083981.D

Acq: 20 Dec 2015 5:54

Instrument :

BNA_F

ClientSampleId :

UST-7

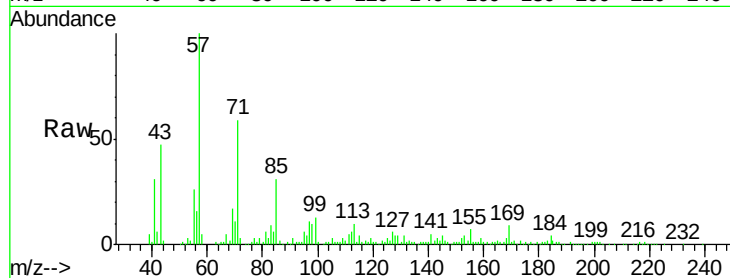
Tgt Ion:169 Resp: 21824

Ion Ratio Lower Upper

169 100

168 28.5 55.1 82.7#

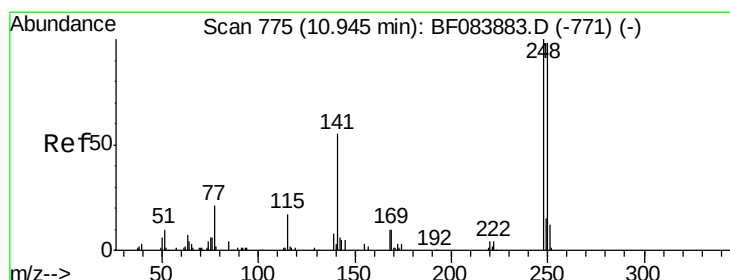
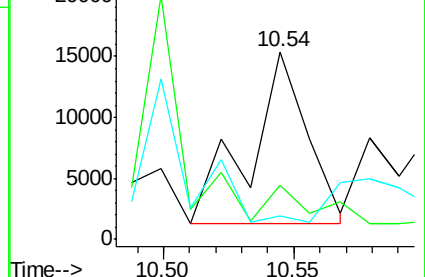
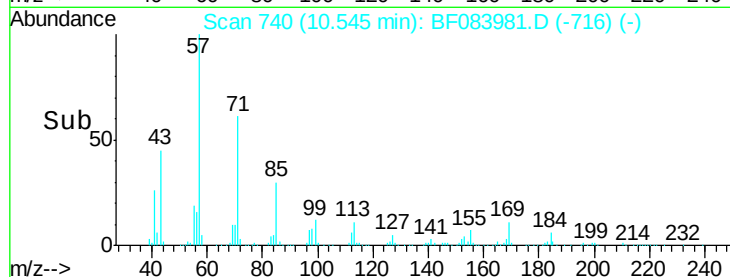
167 12.7 30.0 45.0#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.54 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.27 min

Lab File: BF083981.D

Acq: 20 Dec 2015 5:54

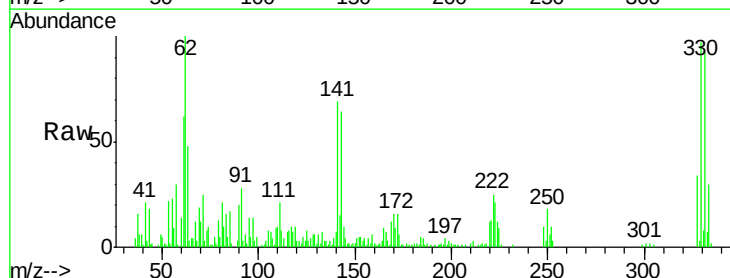
Tgt Ion:248 Resp: 7105

Ion Ratio Lower Upper

248 100

250 192.4 78.4 117.6#

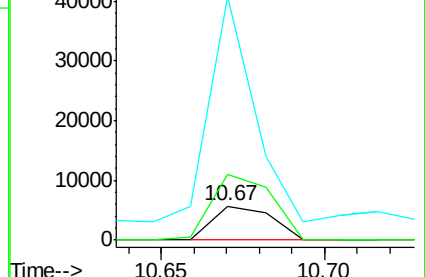
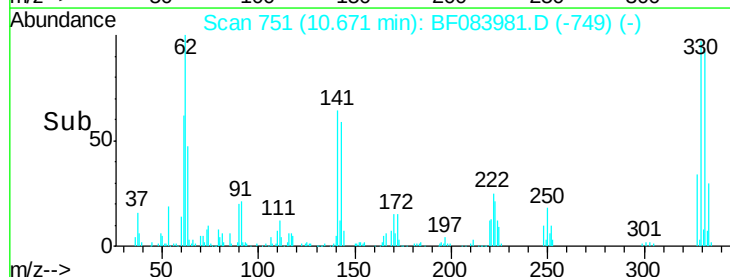
141 716.4 44.0 66.0#

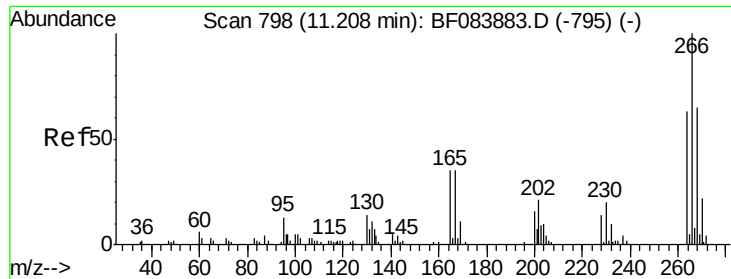


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

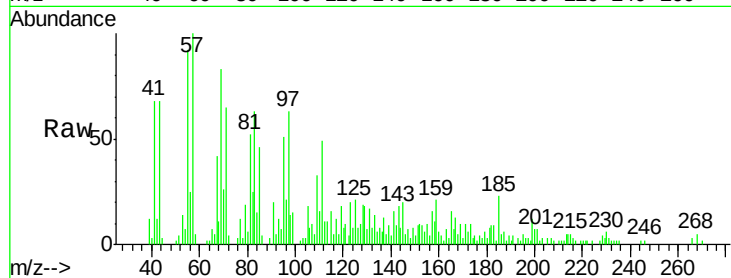




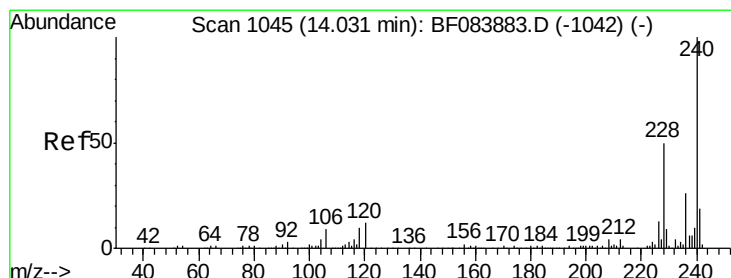
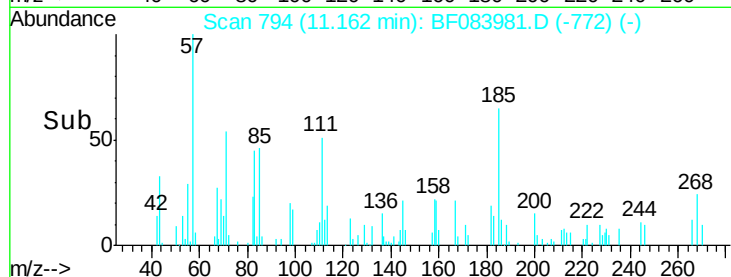
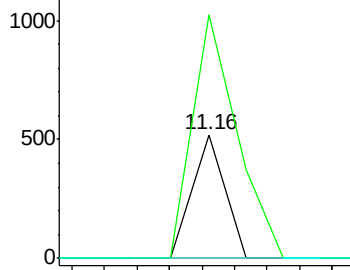
#69
 Pentachlorophenol
 Concen: 4.99 ng
 RT: 11.16 min Scan# 794
 Delta R.T. -0.05 min
 Lab File: BF083981.D
 Acq: 20 Dec 2015 5:54

Instrument :
 BNA_F
 ClientSampleId :
 UST-7

Tgt Ion:266 Resp: 357
 Ion Ratio Lower Upper
 266 100
 268 196.5 52.4 78.6#
 264 0.0 50.2 75.2#

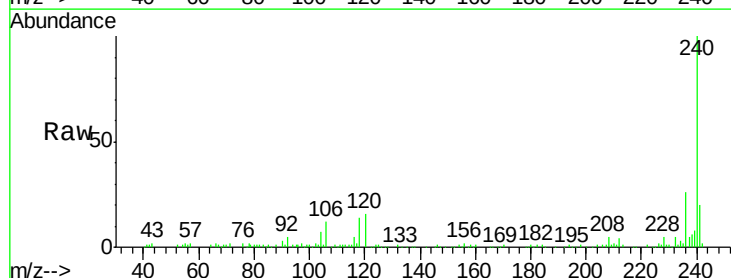


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

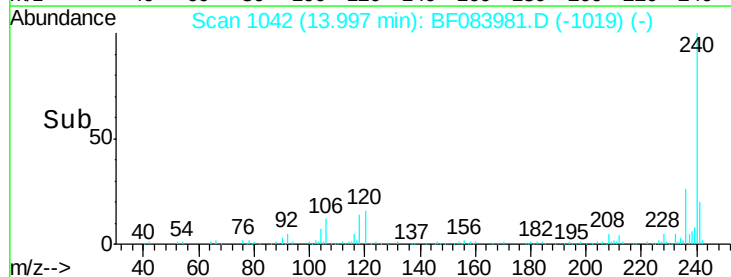
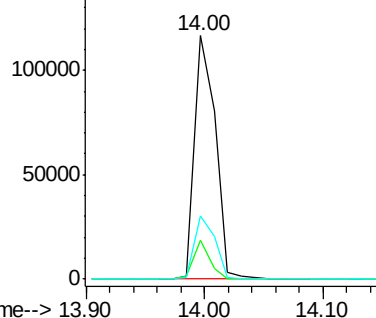


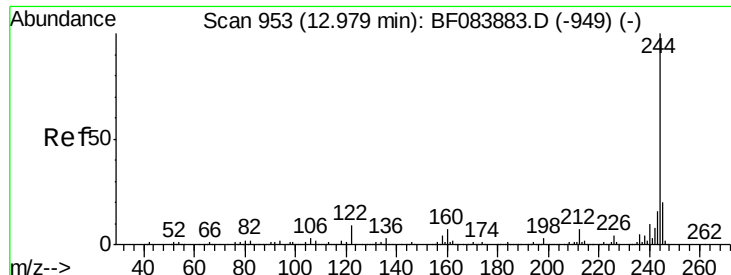
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.03 min
 Lab File: BF083981.D
 Acq: 20 Dec 2015 5:54

Tgt Ion:240 Resp: 140508
 Ion Ratio Lower Upper
 240 100
 120 15.8 9.5 14.3#
 236 26.1 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

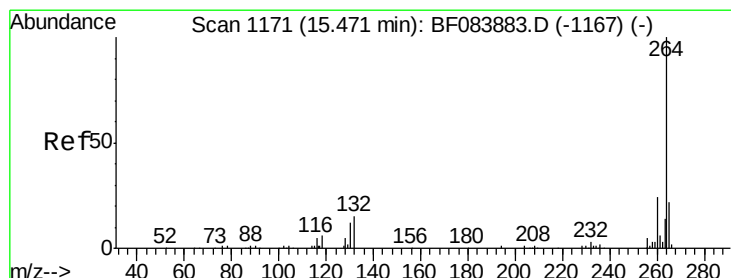
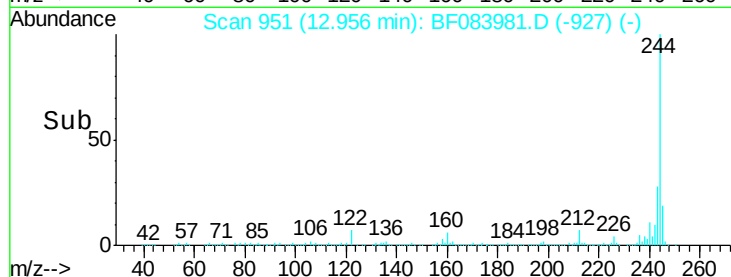
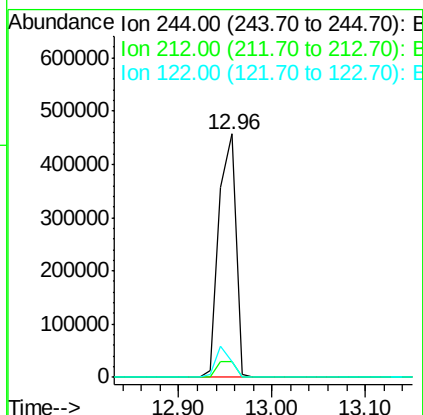
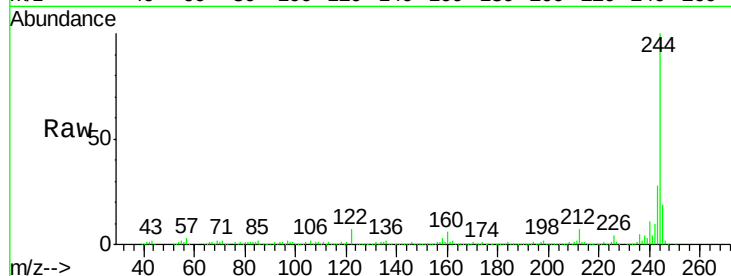




#78
 Terphenyl-d14
 Concen: 96.30 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.02 min
 Lab File: BF083981.D
 Acq: 20 Dec 2015 5:54

Instrument :
 BNA_F
 ClientSampleId :
 UST-7

Tgt Ion:244 Resp: 573714
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 6.6 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: BF083981.D
 Acq: 20 Dec 2015 5:54

Tgt Ion:264 Resp: 152041
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.4 29.2
 265 21.5 17.8 26.6

