

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
 Data File : BF084395.D
 Acq On : 11 Jan 2016 22:54
 Operator : SJ/UM
 Sample : H1074-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-11-010516

Quant Time: Jan 12 02:20:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

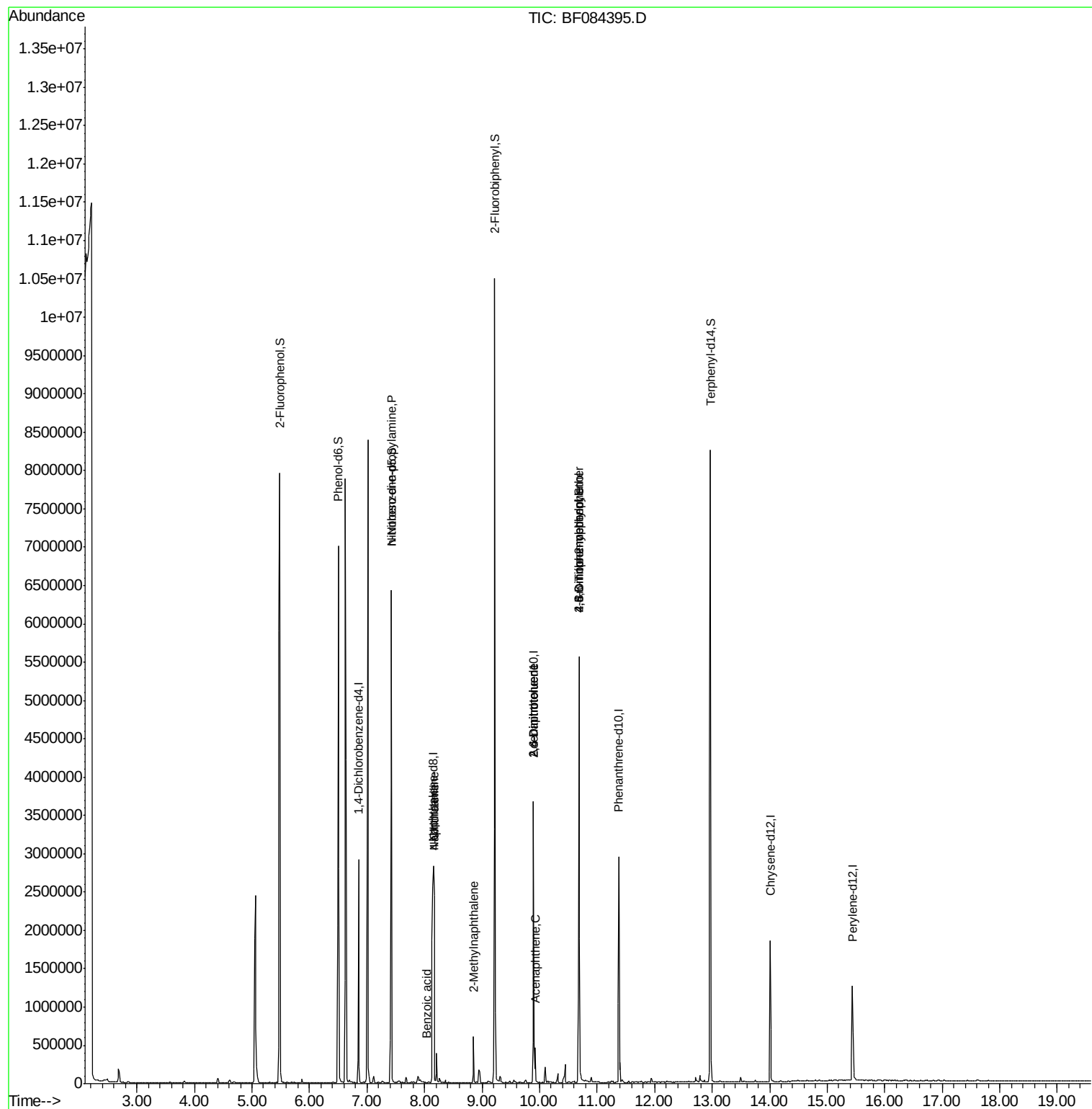
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	374613	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1501779	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	682285	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	1092832	20.00	ng	-0.05
75) Chrysene-d12	14.01	240	673264	20.00	ng	-0.06
86) Perylene-d12	15.44	264	585799	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	2771687	119.67	ng	-0.01
7) Phenol-d6	6.50	99	2983030	102.55	ng	-0.03
23) Nitrobenzene-d5	7.42	82	2512021	93.09	ng	-0.05
41) 2,4,6-Tribromophenol	10.68	330	775755	112.62	ng	-0.06
44) 2-Fluorobiphenyl	9.22	172	3159142	81.17	ng	-0.04
78) Terphenyl-d14	12.97	244	2661337	88.24	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	353703	17.96	ng	# 75
31) Naphthalene	8.17	128	1818417	26.69	ng	99
32) Benzoic acid	8.03	122	1844	6.35	ng	93
33) 4-Chloroaniline	8.17	127	243392	7.79	ng	# 32
37) 2-Methylnaphthalene	8.85	142	158383	3.24	ng	97
50) 2,6-Dinitrotoluene	9.89	165	89002	8.32	ng	# 37
51) Acenaphthene	9.93	154	107078	2.54	ng	98
54) Dibenzofuran	10.10	168	90015	Below Cal		94
56) 2,4-Dinitrotoluene	9.89	165	89278	6.59	ng	# 21
57) Fluorene	10.44	166	67341	Below Cal		97
64) 4,6-Dinitro-2-methylphenol	10.68	198	1717	6.61	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	46622	3.96	ng	# 1
73) Di-n-butylphthalate	11.94	149	32952	Below Cal		# 98

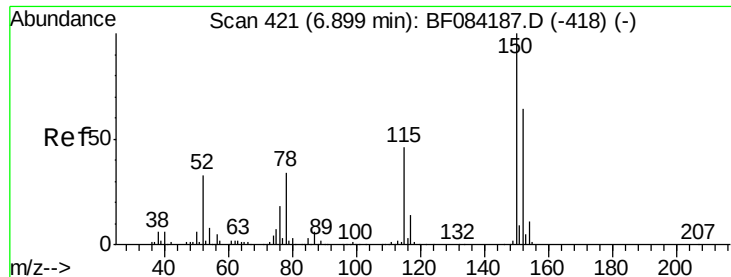
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 12 02:20:59 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration



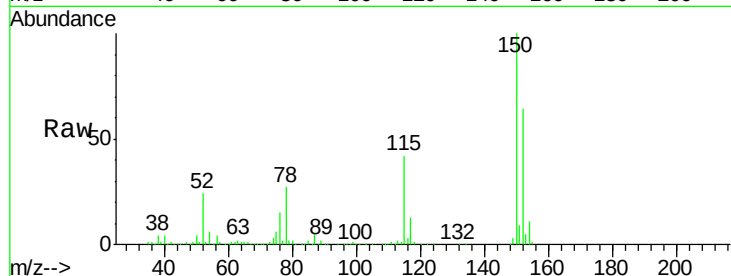


#1

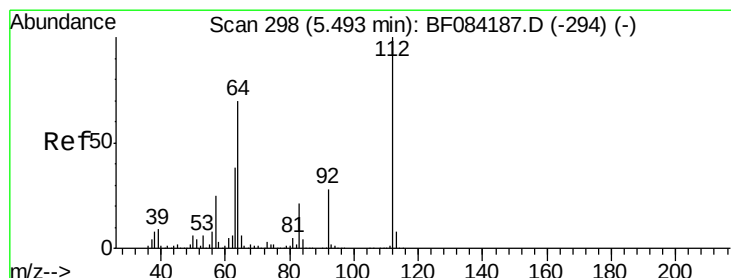
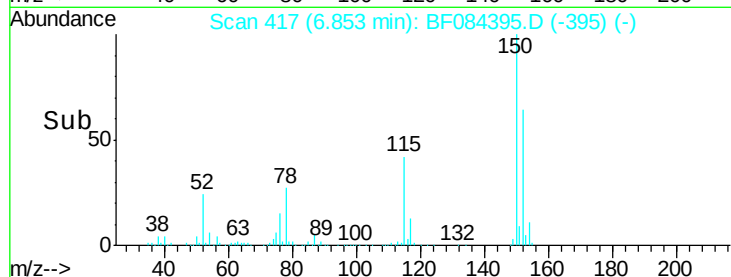
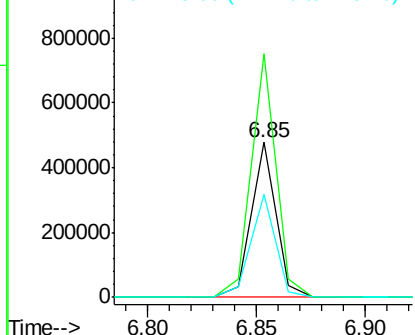
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.05 min
Lab File: BF084395.D
Acq: 11 Jan 2016 22:54

Instrument :
BNA_F
ClientSampleId :
HSR-WC-11-010516

Tgt Ion:152 Resp: 374613
Ion Ratio Lower Upper
152 100
150 157.2 123.0 184.4
115 66.5 51.4 77.2



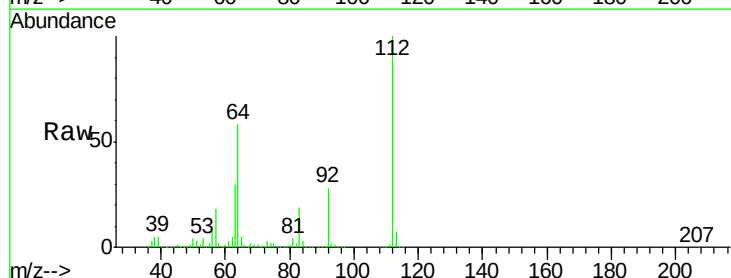
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



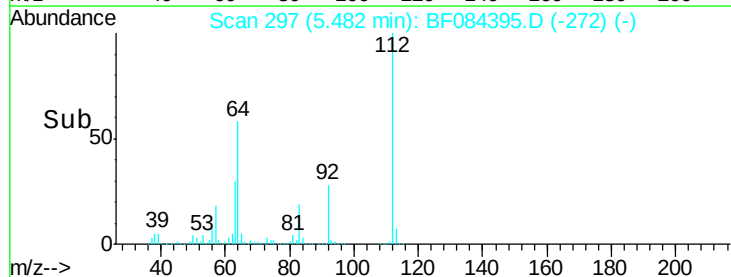
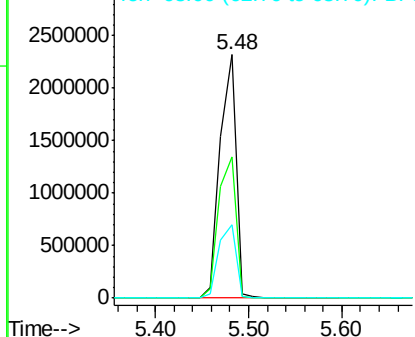
#5

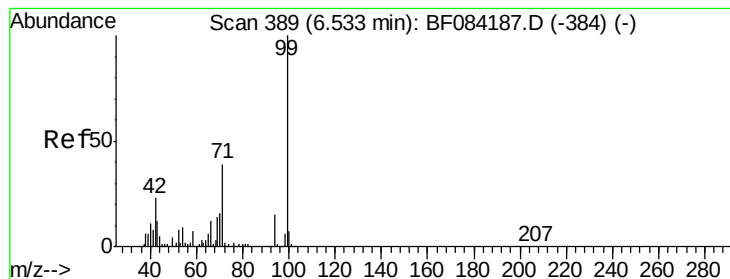
2-Fluorophenol
Concen: 119.67 ng
RT: 5.48 min Scan# 297
Delta R.T. -0.01 min
Lab File: BF084395.D
Acq: 11 Jan 2016 22:54

Tgt Ion:112 Resp: 2771687
Ion Ratio Lower Upper
112 100
64 58.0 36.6 55.0#
63 30.0 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: 102.55 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.03 min

Lab File: BF084395.D

Acq: 11 Jan 2016 22:54

Instrument :

BNA_F

ClientSampleId :

HSR-WC-11-010516

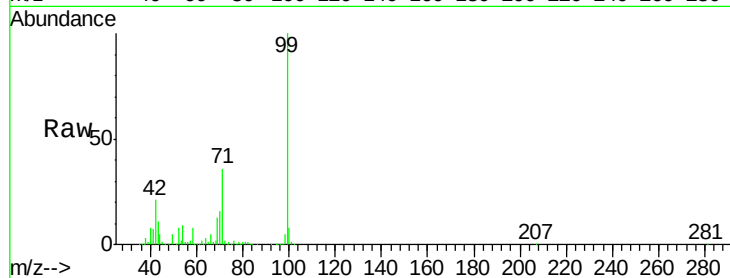
Tgt Ion: 99 Resp: 2983030

Ion Ratio Lower Upper

99 100

42 20.8 12.8 19.2#

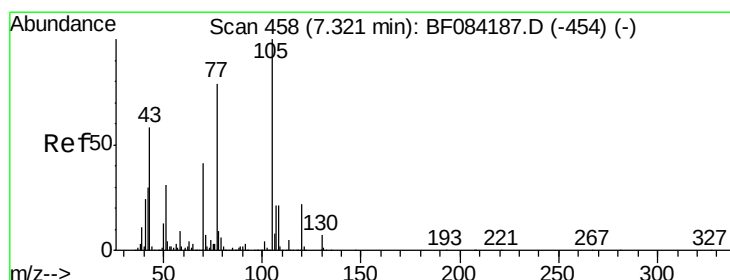
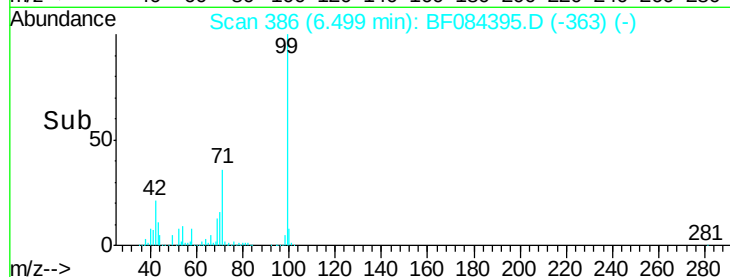
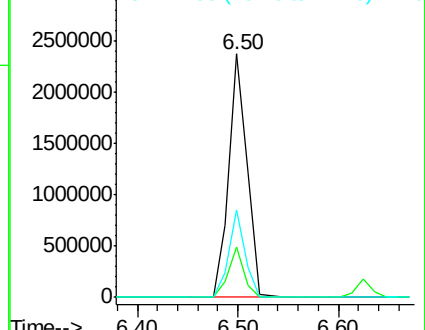
71 36.0 30.9 46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.96 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.10 min

Lab File: BF084395.D

Acq: 11 Jan 2016 22:54

Tgt Ion: 70 Resp: 353703

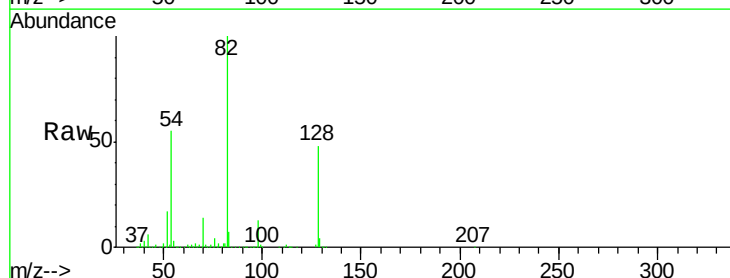
Ion Ratio Lower Upper

70 100

42 44.8 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#

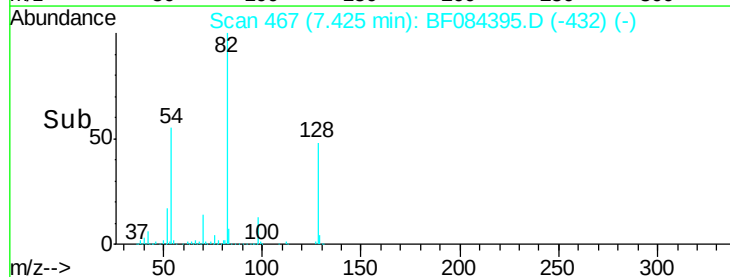
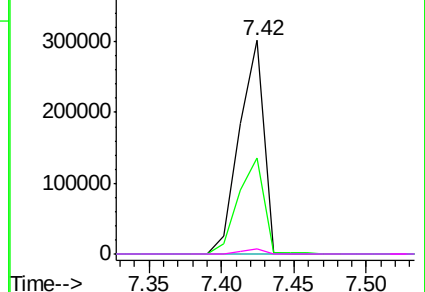


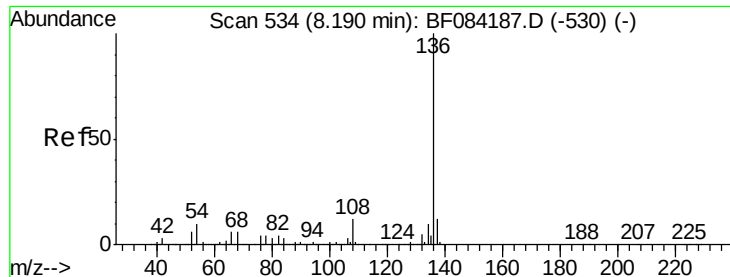
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

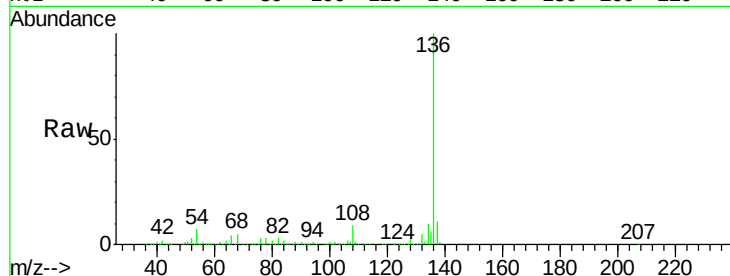




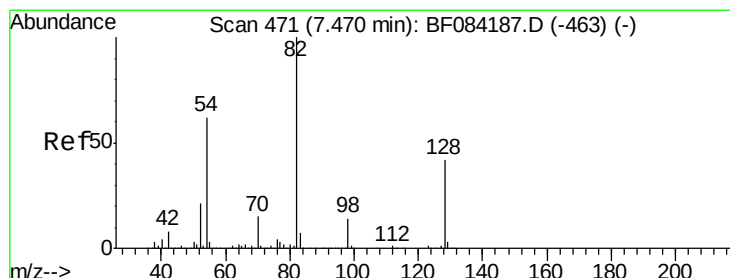
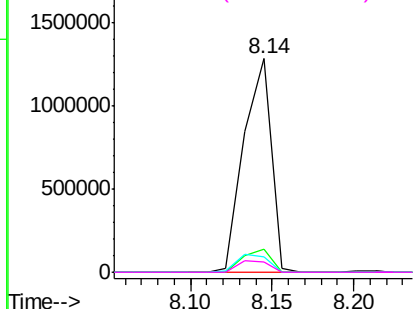
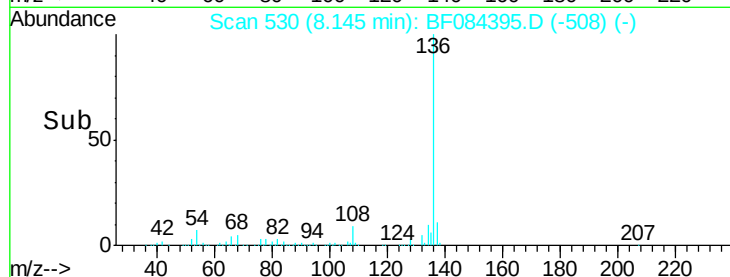
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.05 min
Lab File: BF084395.D
Acq: 11 Jan 2016 22:54

Instrument :
BNA_F
ClientSampleId :
HSR-WC-11-010516

Tgt Ion:136 Resp: 1501779
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.1 5.8 8.8
68 5.1 4.2 6.2

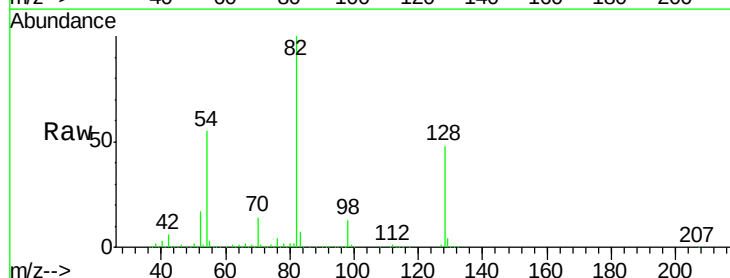


Abundance Ion 136.00 (135.70 to 136.70): E
2000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

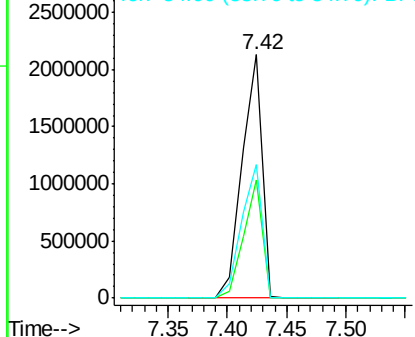
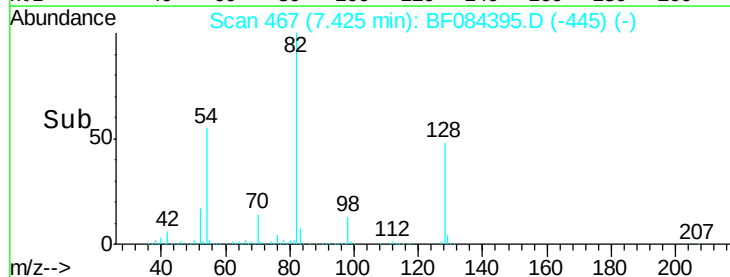


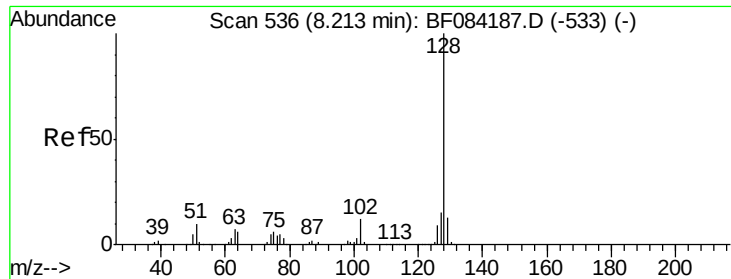
#23
Nitrobenzene-d5
Concen: 93.09 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.05 min
Lab File: BF084395.D
Acq: 11 Jan 2016 22:54

Tgt Ion: 82 Resp: 2512021
Ion Ratio Lower Upper
82 100
128 48.3 34.6 51.8
54 54.7 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0
2500000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

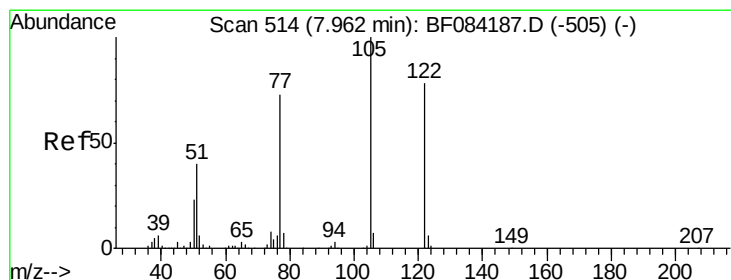
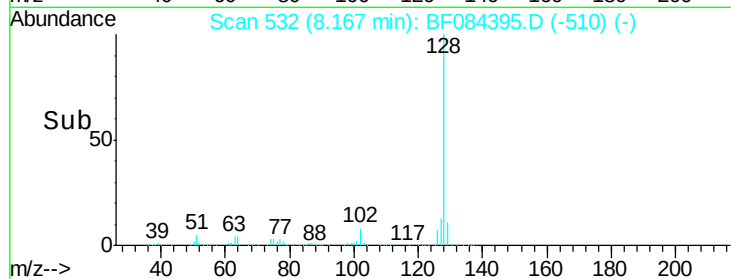
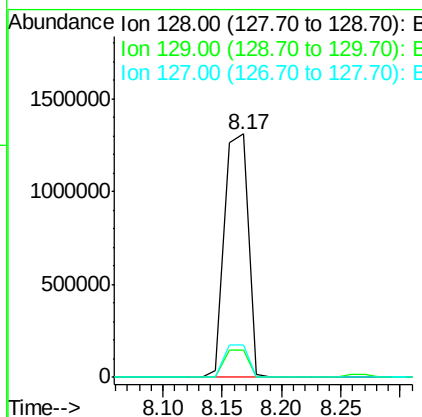
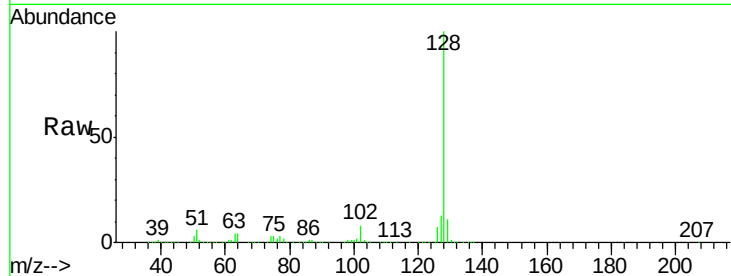




#31
Naphthalene
Concen: 26.69 ng
RT: 8.17 min Scan# 532
Delta R.T. -0.05 min
Lab File: BF084395.D
Acq: 11 Jan 2016 22:54

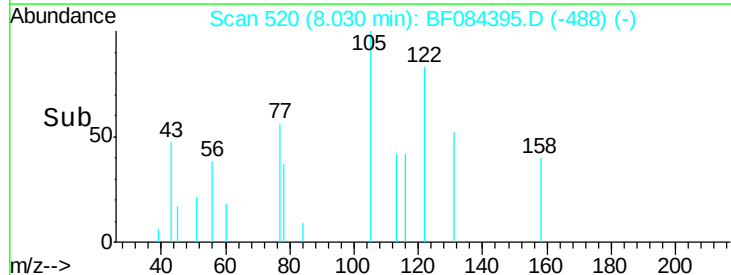
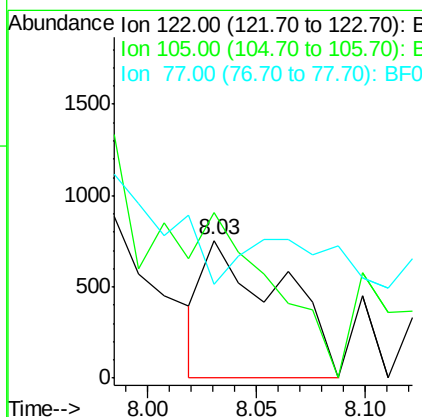
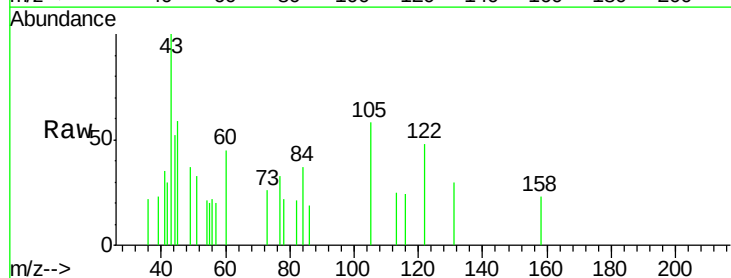
Instrument :
BNA_F
ClientSampleId :
HSR-WC-11-010516

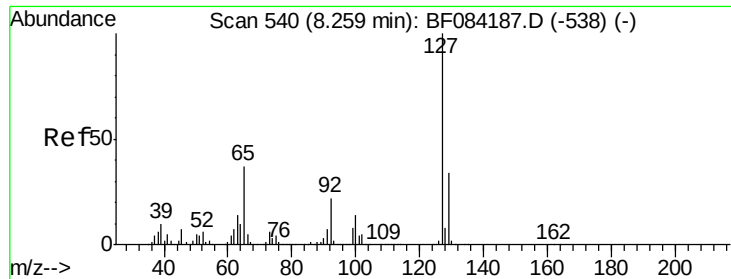
Tgt Ion:128 Resp: 1818417
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 13.2 11.1 16.7



#32
Benzoic acid
Concen: 6.35 ng
RT: 8.03 min Scan# 520
Delta R.T. 0.07 min
Lab File: BF084395.D
Acq: 11 Jan 2016 22:54

Tgt Ion:122 Resp: 1844
Ion Ratio Lower Upper
122 100
105 120.7 100.3 140.3
77 68.1 63.5 103.5

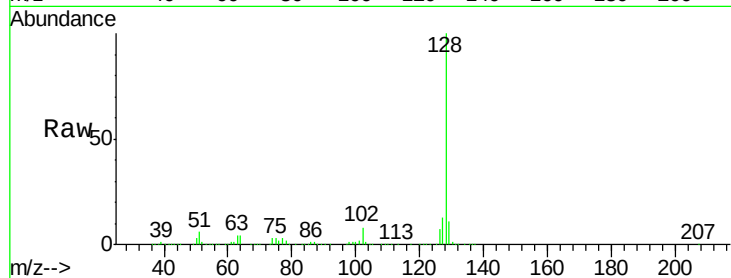




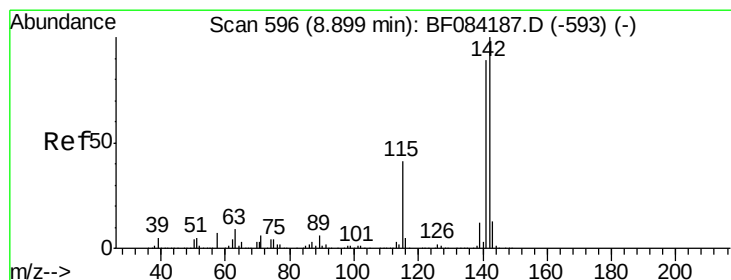
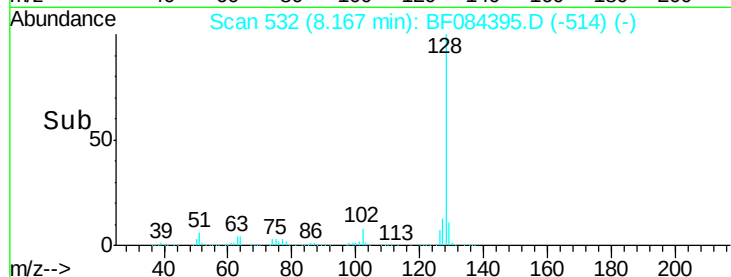
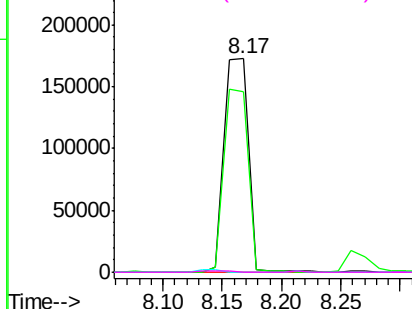
#33
 4-Chloroaniline
 Concen: 7.79 ng
 RT: 8.17 min Scan# 532
 Delta R.T. -0.09 min
 Lab File: BF084395.D
 Acq: 11 Jan 2016 22:54

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-11-010516

Tgt Ion:	127	Resp:	243392
Ion	Ratio	Lower	Upper
127	100		
129	84.6	26.5	39.7#
65	0.0	27.2	40.8#
92	0.2	17.7	26.5#

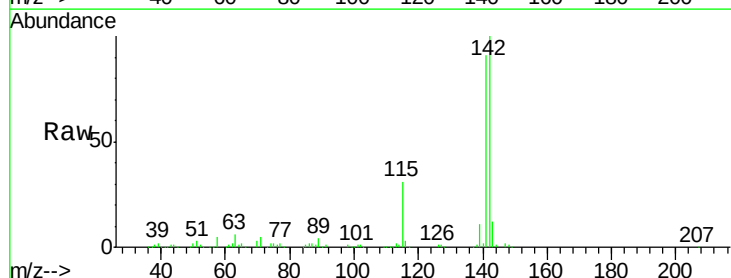


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

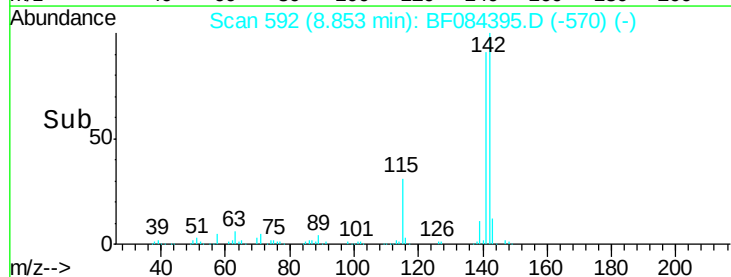
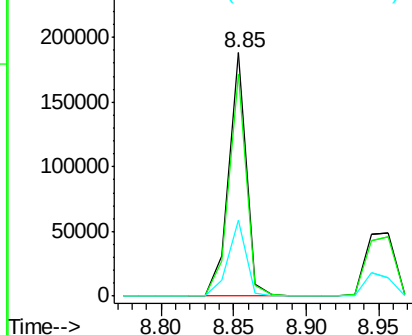


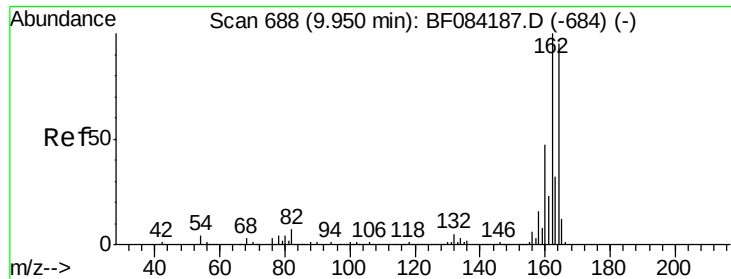
#37
 2-Methylnaphthalene
 Concen: 3.24 ng
 RT: 8.85 min Scan# 592
 Delta R.T. -0.05 min
 Lab File: BF084395.D
 Acq: 11 Jan 2016 22:54

Tgt Ion:	142	Resp:	158383
Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.4	108.6
115	31.1	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: 9.89 min Scan# 683

Delta R.T. -0.06 min

Lab File: BF084395.D

Acq: 11 Jan 2016 22:54

Instrument :

BNA_F

ClientSampleId :

HSR-WC-11-010516

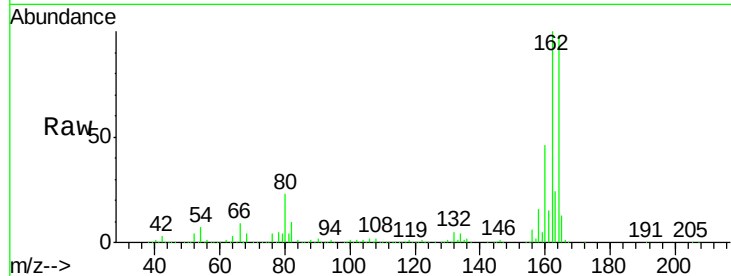
Tgt Ion:164 Resp: 682285

Ion Ratio Lower Upper

164 100

162 101.9 85.1 127.7

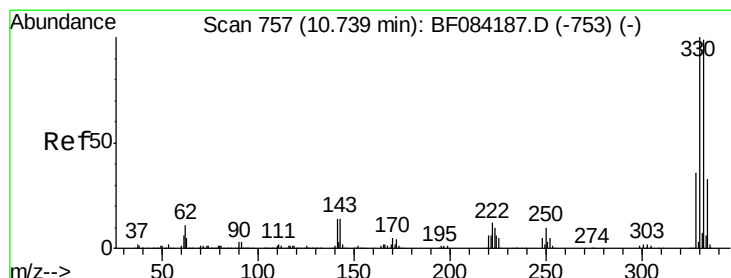
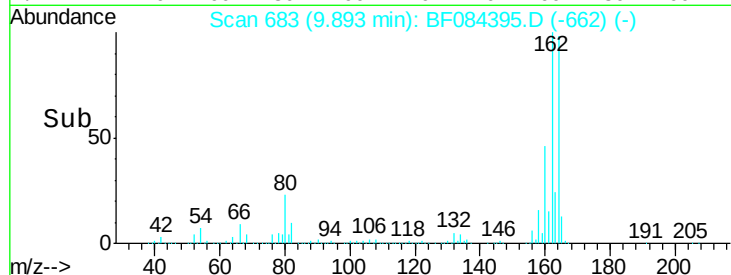
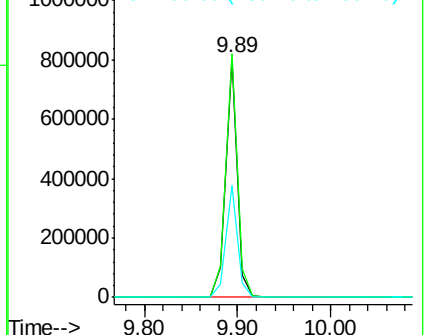
160 47.1 37.5 56.3



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: 112.62 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.06 min

Lab File: BF084395.D

Acq: 11 Jan 2016 22:54

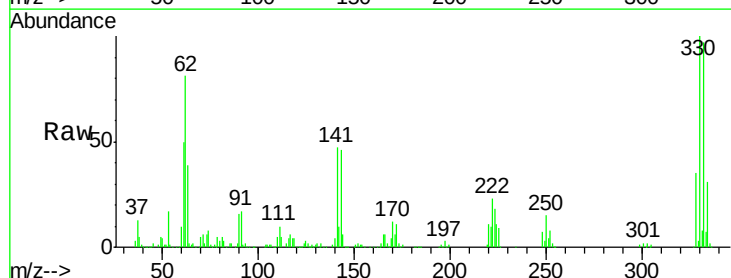
Tgt Ion:330 Resp: 775755

Ion Ratio Lower Upper

330 100

332 97.2 76.6 114.8

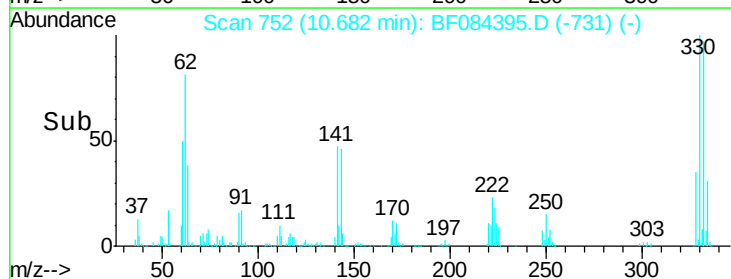
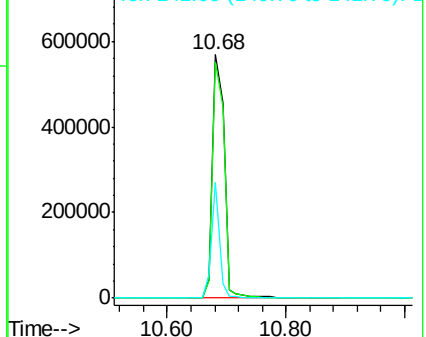
141 33.3 27.8 41.6

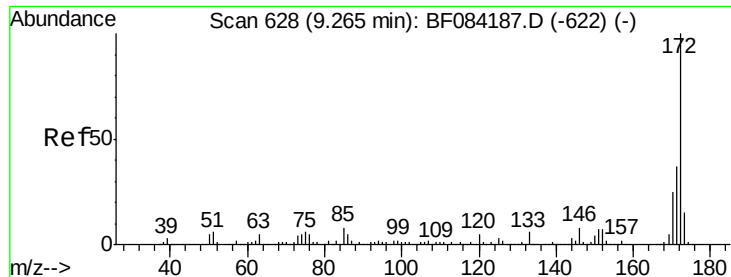


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

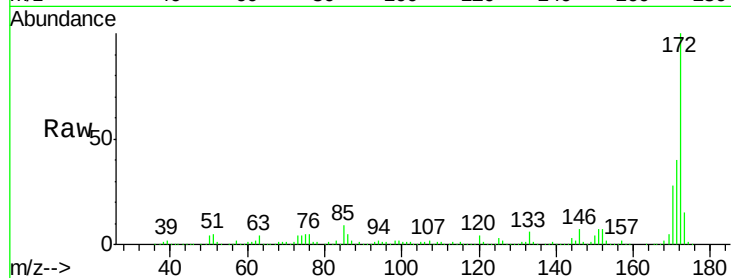




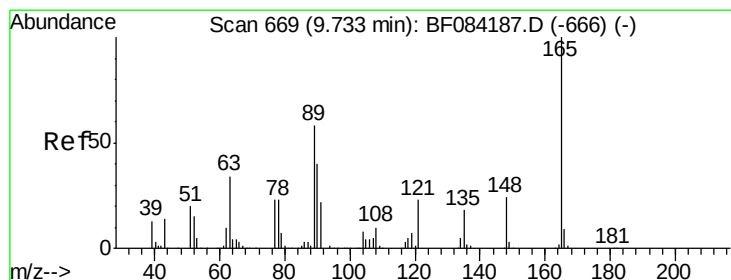
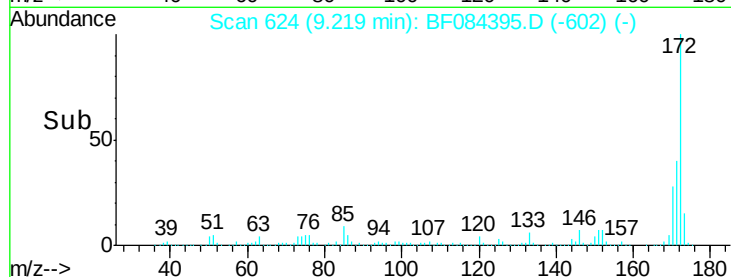
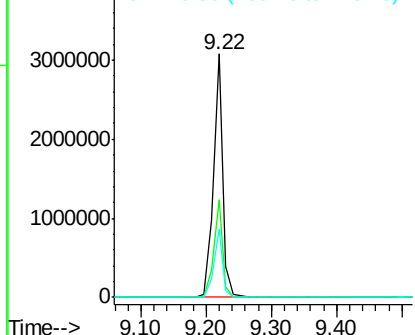
#44
 2-Fluorobiphenyl
 Concen: 81.17 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.04 min
 Lab File: BF084395.D
 Acq: 11 Jan 2016 22:54

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-11-010516

Tgt Ion:172 Resp: 3159142
 Ion Ratio Lower Upper
 172 100
 171 40.2 28.9 43.3
 170 28.0 18.6 27.8#

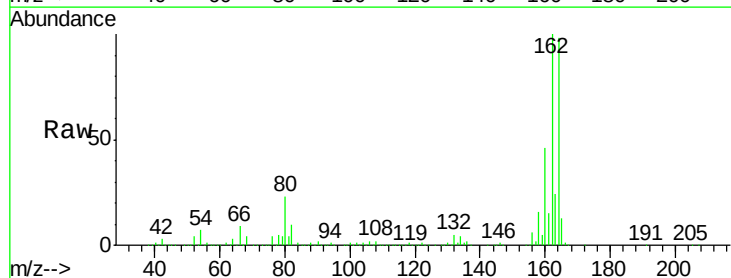


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

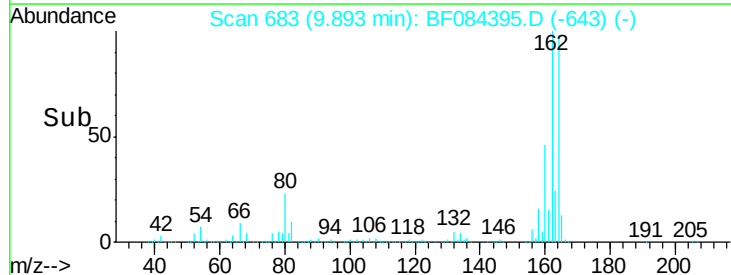
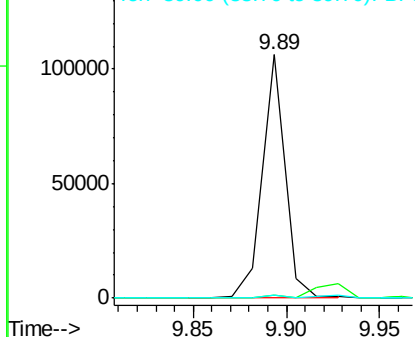


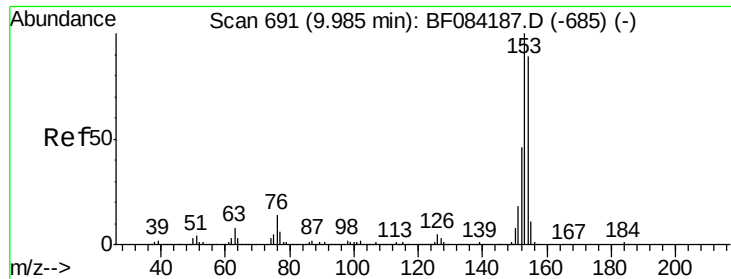
#50
 2,6-Dinitrotoluene
 Concen: 8.32 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.16 min
 Lab File: BF084395.D
 Acq: 11 Jan 2016 22:54

Tgt Ion:165 Resp: 89002
 Ion Ratio Lower Upper
 165 100
 63 1.3 28.8 43.2#
 89 1.5 35.1 52.7#



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





#51

Acenaphthene

Concen: 2.54 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.06 min

Lab File: BF084395.D

Acq: 11 Jan 2016 22:54

Instrument :

BNA_F

ClientSampleId :

HSR-WC-11-010516

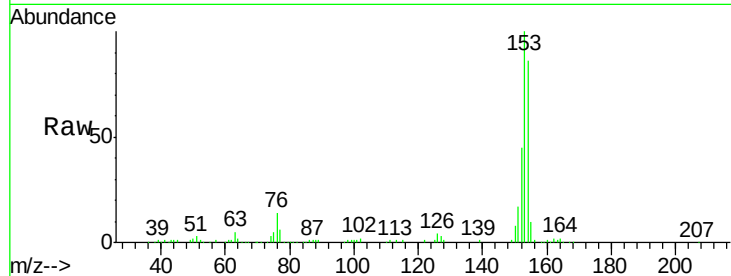
Tgt Ion:154 Resp: 107078

Ion Ratio Lower Upper

154 100

153 115.6 91.5 137.3

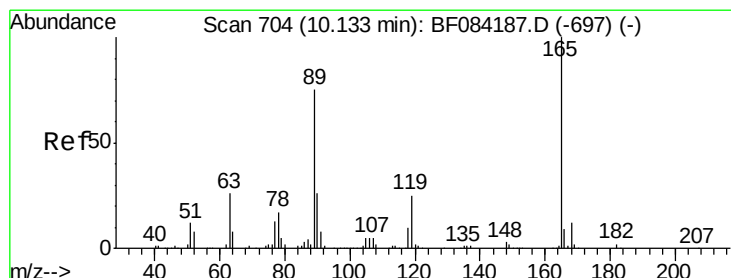
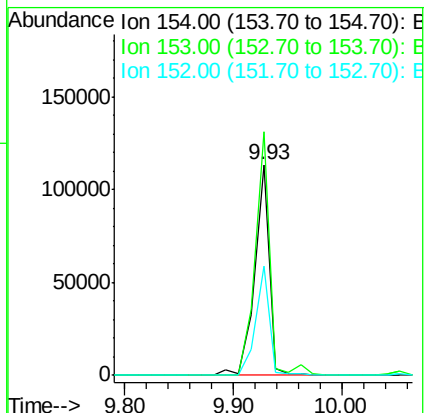
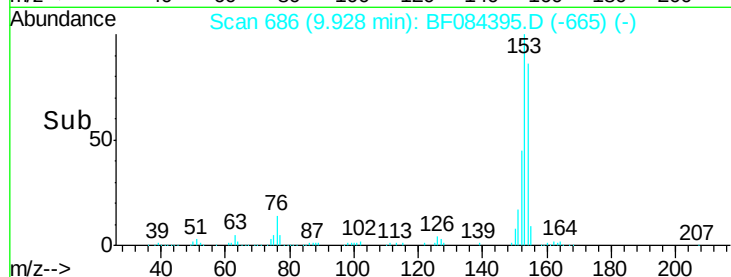
152 51.9 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 6.59 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.24 min

Lab File: BF084395.D

Acq: 11 Jan 2016 22:54

Tgt Ion:165 Resp: 89278

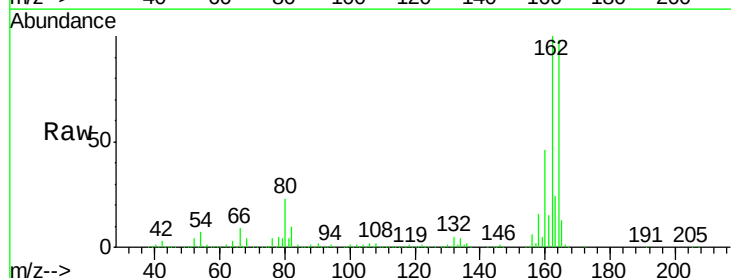
Ion Ratio Lower Upper

165 100

63 1.3 36.7 55.1#

89 1.5 61.9 92.9#

182 0.0 2.0 3.0#

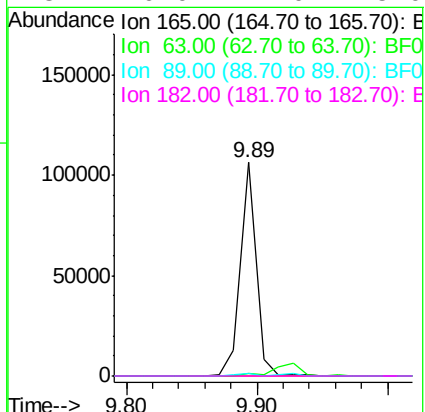
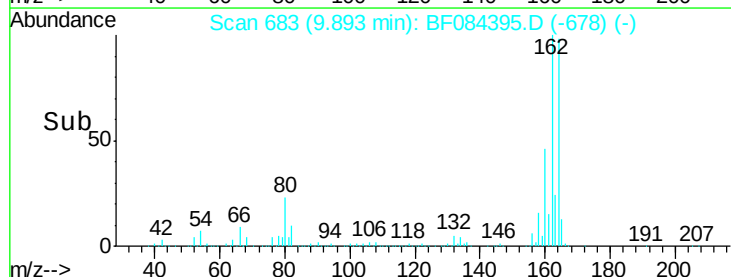


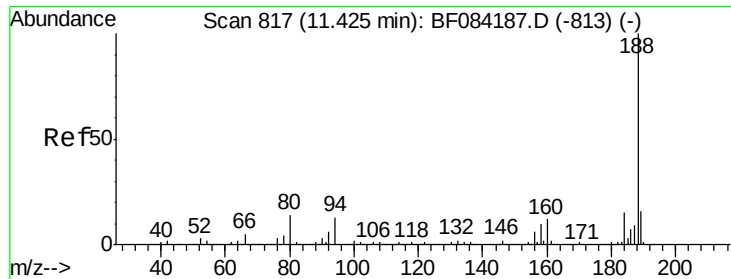
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.05 min

Lab File: BF084395.D

Acq: 11 Jan 2016 22:54

Instrument :

BNA_F

ClientSampleId :

HSR-WC-11-010516

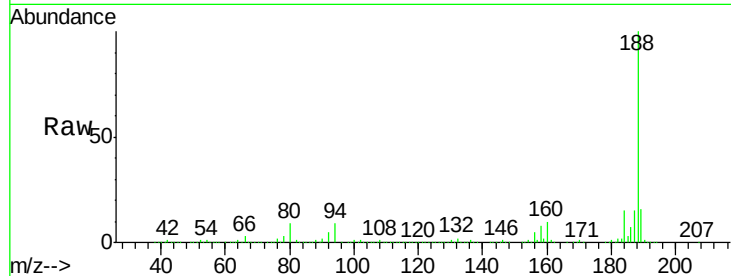
Tgt Ion:188 Resp: 1092832

Ion Ratio Lower Upper

188 100

94 9.2 9.0 13.4

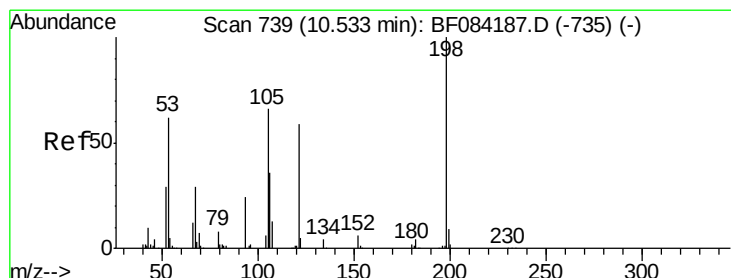
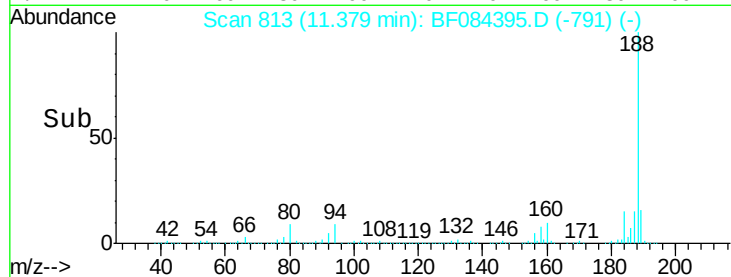
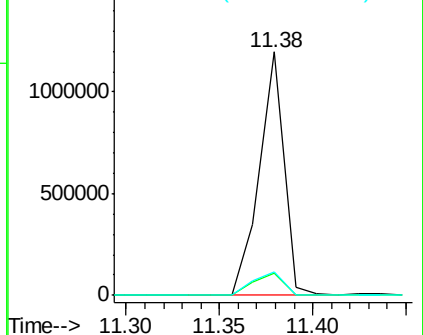
80 9.4 9.6 14.4#



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: 6.61 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.15 min

Lab File: BF084395.D

Acq: 11 Jan 2016 22:54

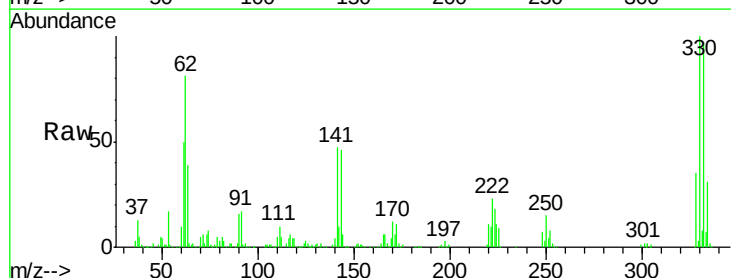
Tgt Ion:198 Resp: 1717

Ion Ratio Lower Upper

198 100

51 234.9 18.9 58.9#

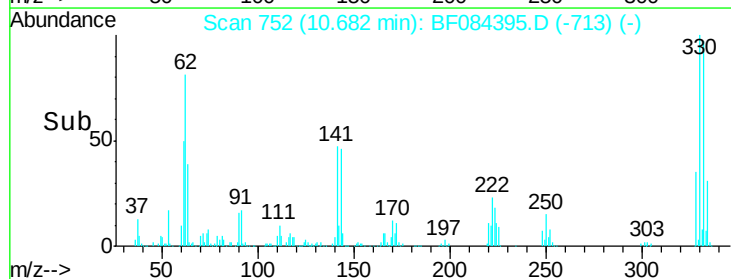
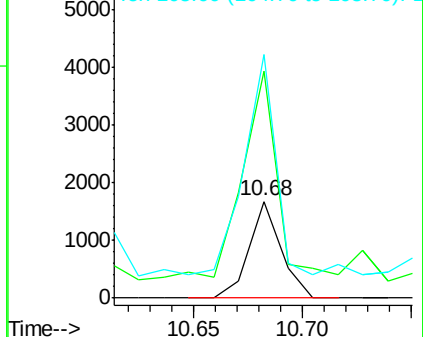
105 251.5 26.4 66.4#

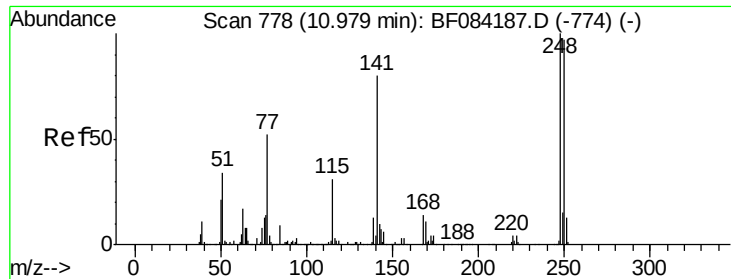


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

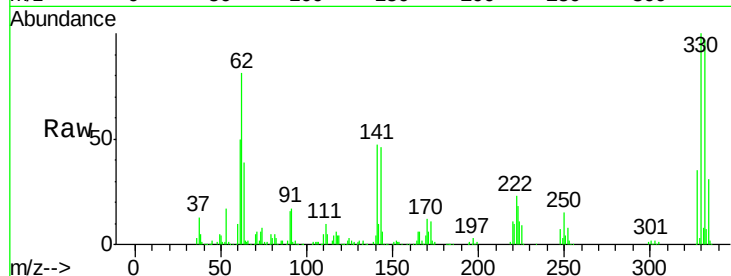




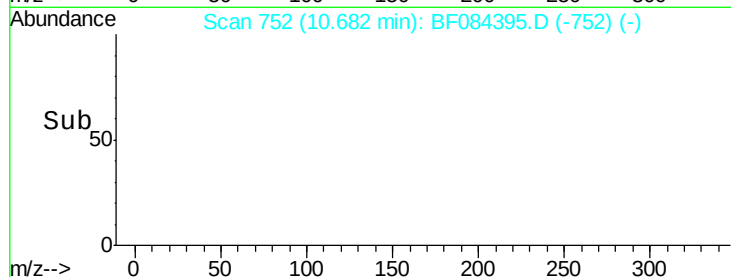
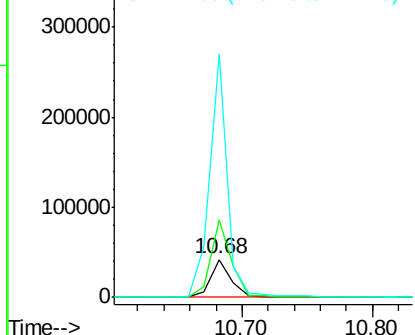
#66
 4-Bromophenyl-phenylether
 Concen: 3.96 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.30 min
 Lab File: BF084395.D
 Acq: 11 Jan 2016 22:54

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-11-010516

Tgt Ion:248 Resp: 46622
 Ion Ratio Lower Upper
 248 100
 250 203.0 78.4 117.6#
 141 640.0 44.0 66.0#

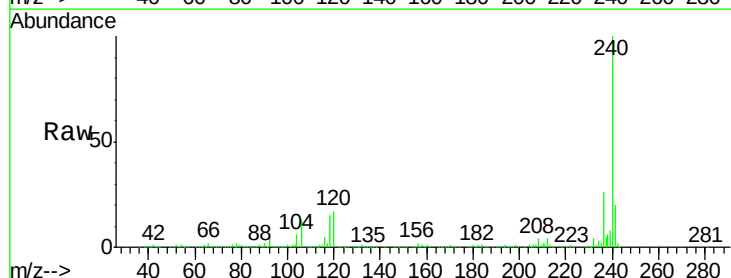
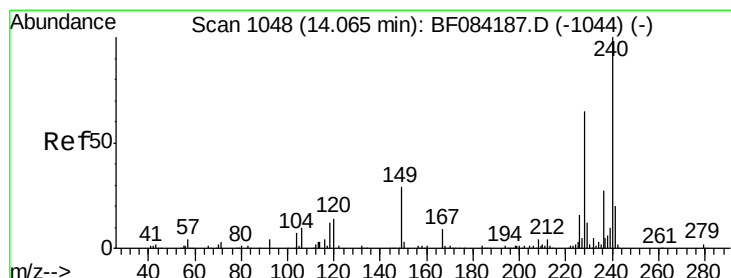


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

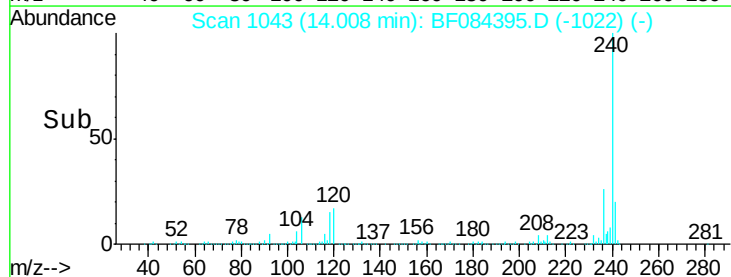
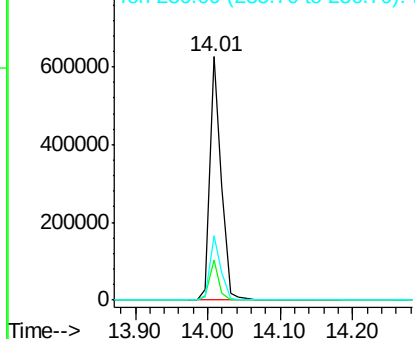


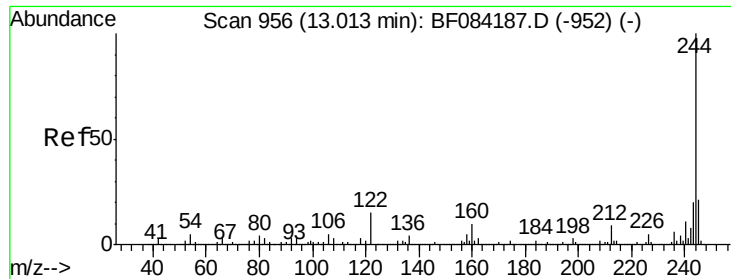
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.06 min
 Lab File: BF084395.D
 Acq: 11 Jan 2016 22:54

Tgt Ion:240 Resp: 673264
 Ion Ratio Lower Upper
 240 100
 120 16.7 9.5 14.3#
 236 26.3 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

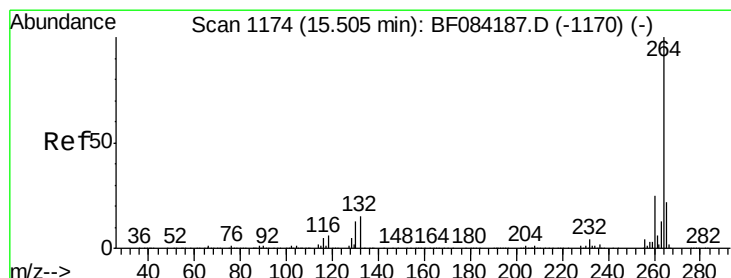
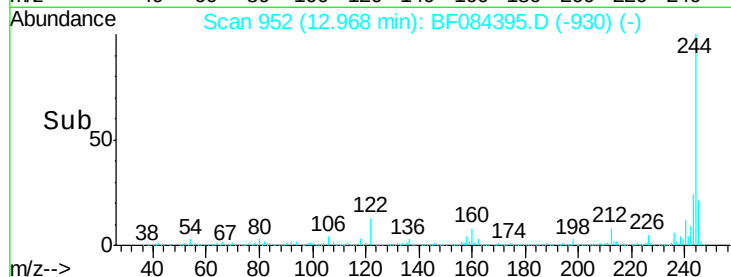
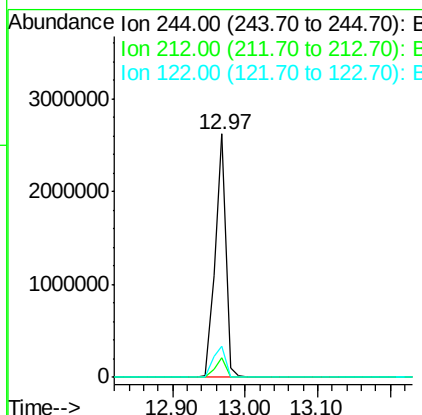
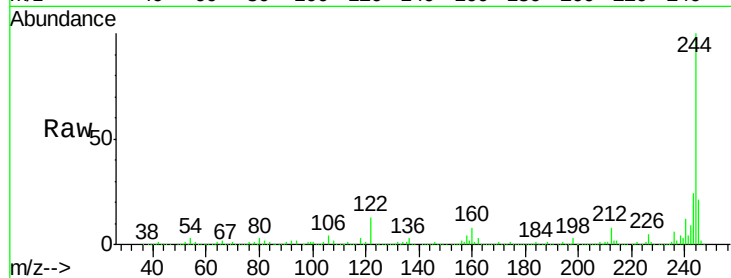




#78
 Terphenyl-d14
 Concen: 88.24 ng
 RT: 12.97 min Scan# 952
 Delta R.T. -0.05 min
 Lab File: BF084395.D
 Acq: 11 Jan 2016 22:54

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-11-010516

Tgt Ion:244 Resp: 2661337
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.7 8.5
 122 13.0 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.07 min
 Lab File: BF084395.D
 Acq: 11 Jan 2016 22:54

Tgt Ion:264 Resp: 585799
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.4 29.2
 265 21.6 17.8 26.6

