

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
 Data File : BF093009.D
 Acq On : 17 Feb 2017 14:41
 Operator : SJ/MA
 Sample : I1884-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-002

Quant Time: Feb 18 05:55:50 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

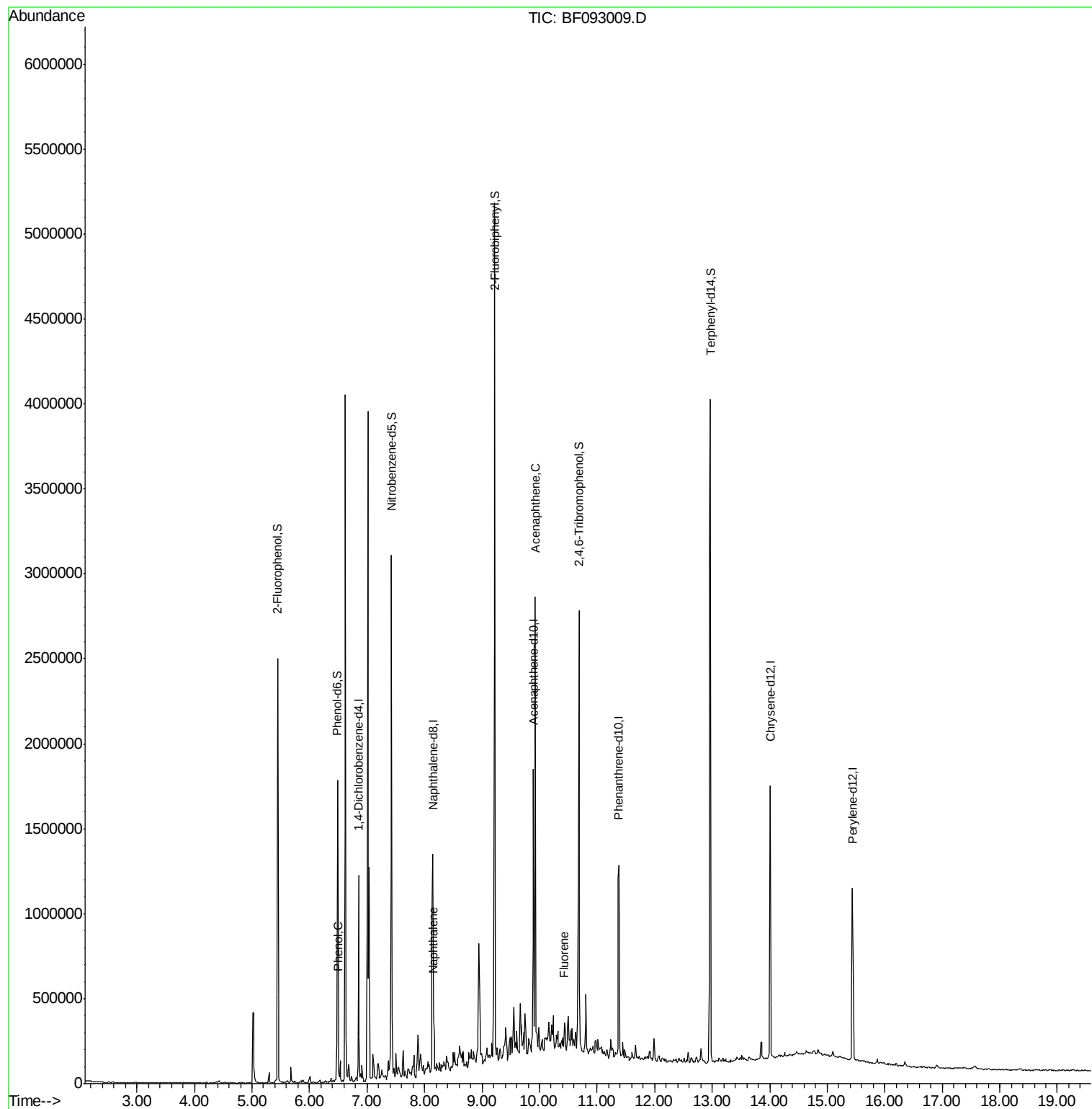
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	173573	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	708788	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	393795	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	630288	20.00	ng	0.00
75) Chrysene-d12	14.01	240	540586	20.00	ng	-0.01
86) Perylene-d12	15.44	264	467275	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	658906	65.13	ng	0.00
7) Phenol-d6	6.49	99	528600	40.61	ng	0.00
23) Nitrobenzene-d5	7.42	82	1059094	83.21	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	340321	119.49	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1850767	85.15	ng	0.00
78) Terphenyl-d14	12.97	244	1703181	74.03	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.50	94	34816	2.29	ng	78
31) Naphthalene	8.16	128	134647	3.75	ng	98
51) Acenaphthene	9.93	154	653068	28.35	ng	95
57) Fluorene	10.43	166	57707	2.43	ng	# 92

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

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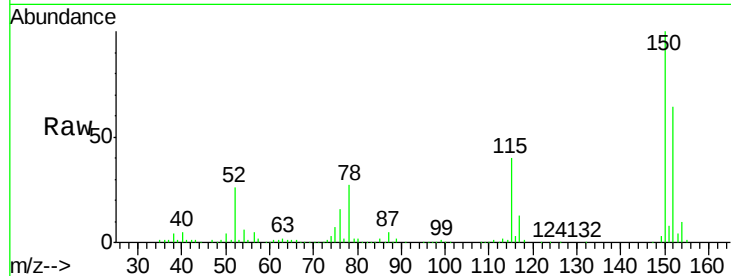


#1

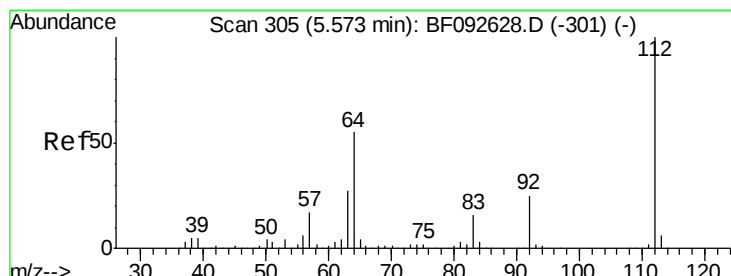
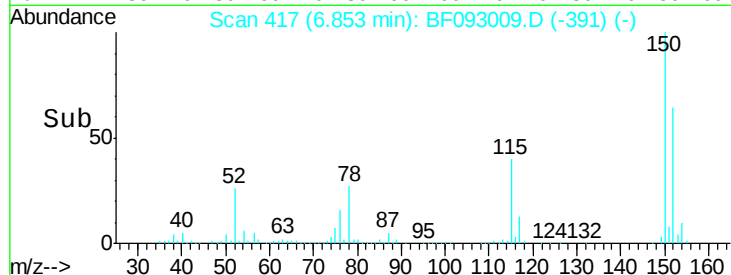
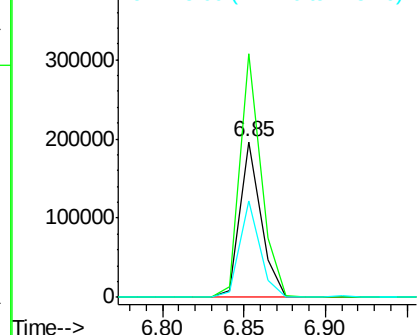
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.00 min
Lab File: BF093009.D
Acq: 17 Feb 2017 14:41

Instrument :
BNA_F
ClientSampleId :
MANHOLE-002

Tgt Ion:152 Resp: 173573
Ion Ratio Lower Upper
152 100
150 156.4 124.9 187.3
115 62.1 46.0 69.0



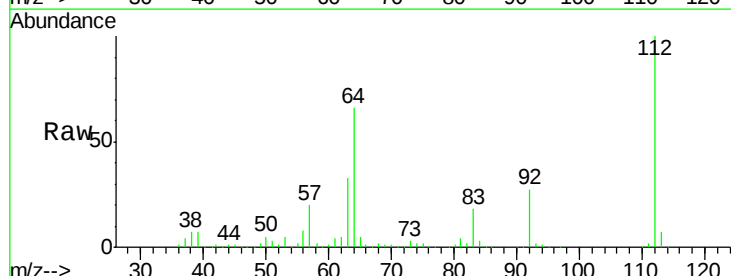
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



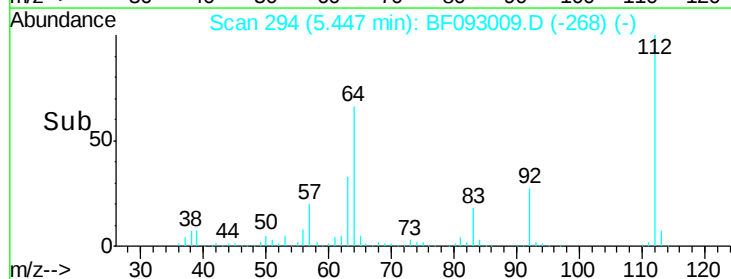
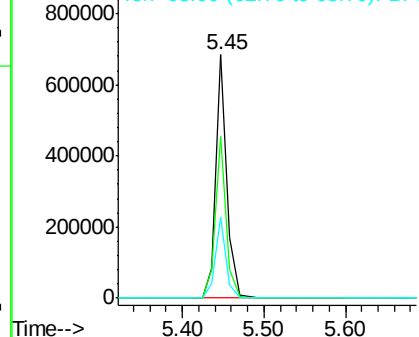
#5

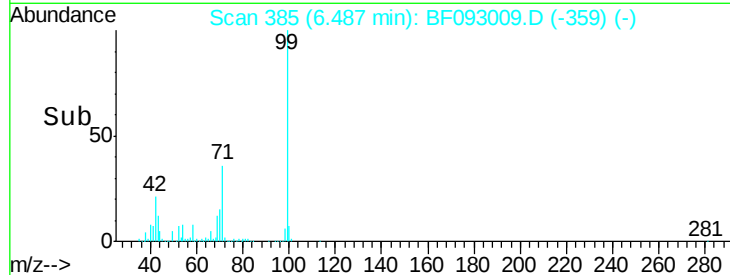
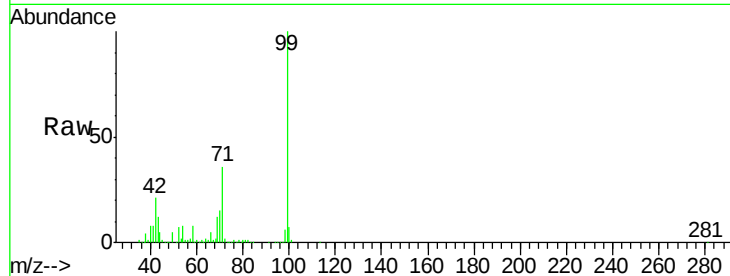
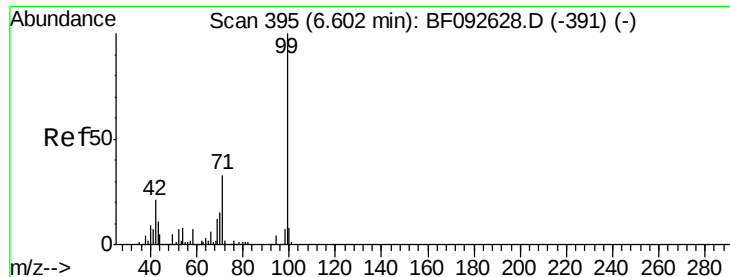
2-Fluorophenol
Concen: 65.13 ng
RT: 5.45 min Scan# 294
Delta R.T. -0.00 min
Lab File: BF093009.D
Acq: 17 Feb 2017 14:41

Tgt Ion:112 Resp: 658906
Ion Ratio Lower Upper
112 100
64 66.2 46.1 69.1
63 33.3 23.8 35.6



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

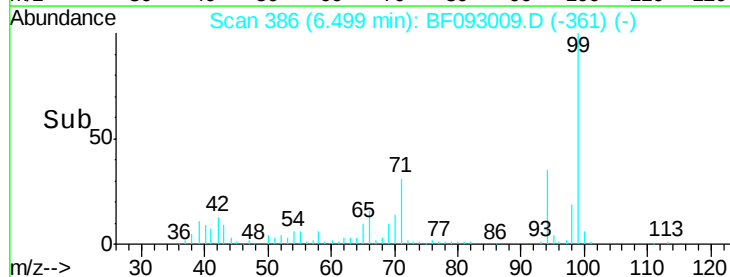
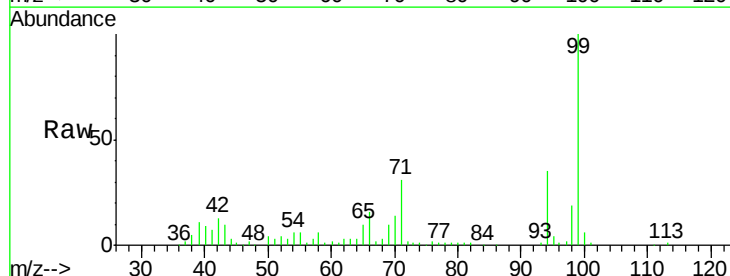
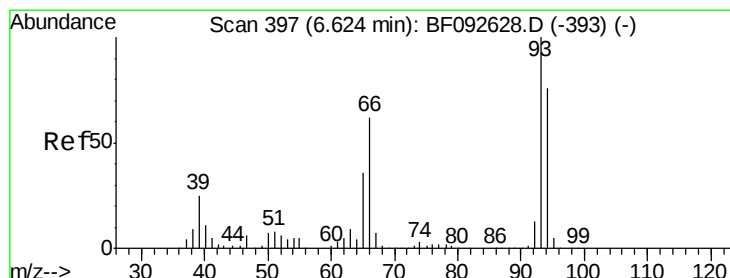
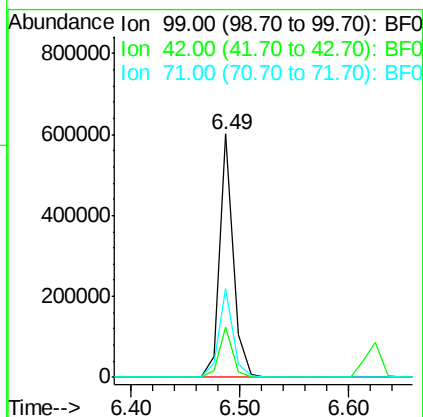




#7
Phenol-d6
Concen: 40.61 ng
RT: 6.49 min Scan# 385
Delta R.T. -0.00 min
Lab File: BF093009.D
Acq: 17 Feb 2017 14:41

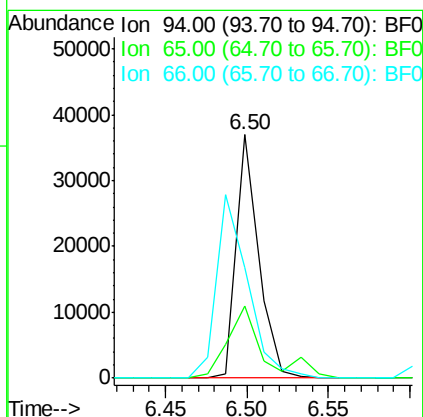
Instrument :
BNA_F
ClientSampleId :
MANHOLE-002

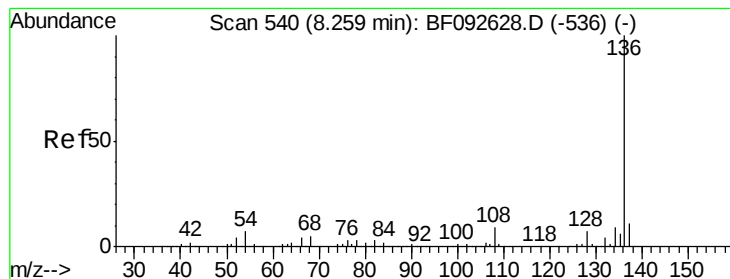
Tgt Ion:	99	Resp:	528600
Ion	Ratio	Lower	Upper
99	100		
42	20.8	15.6	23.4
71	36.2	27.5	41.3



#10
Phenol
Concen: 2.29 ng
RT: 6.50 min Scan# 386
Delta R.T. -0.01 min
Lab File: BF093009.D
Acq: 17 Feb 2017 14:41

Tgt Ion:	94	Resp:	34816
Ion	Ratio	Lower	Upper
94	100		
65	29.4	21.4	61.4
66	45.3	44.0	84.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.00 min

Lab File: BF093009.D

Acq: 17 Feb 2017 14:41

Instrument :

BNA_F

ClientSampleId :

MANHOLE-002

Tgt Ion:136 Resp: 708788

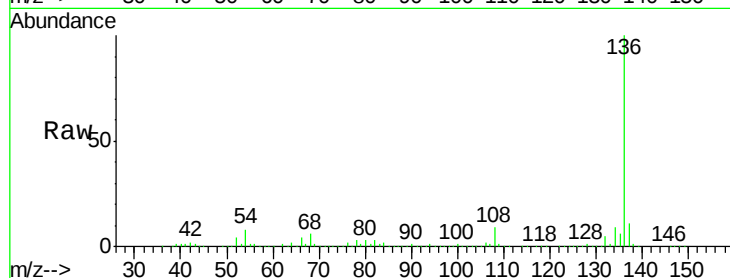
Ion Ratio Lower Upper

136 100

137 10.5 8.4 12.6

54 7.7 4.5 6.7#

68 5.9 3.6 5.4#

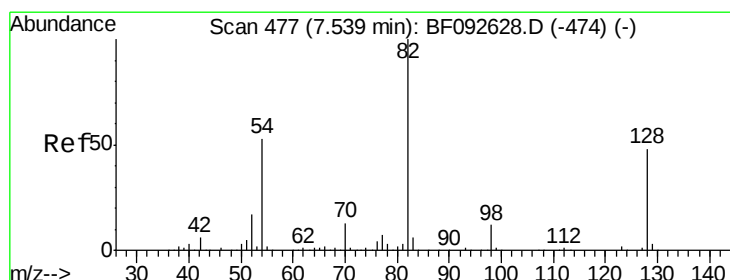
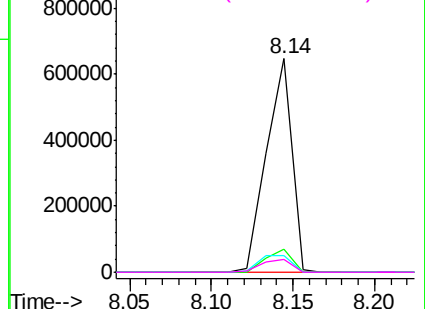
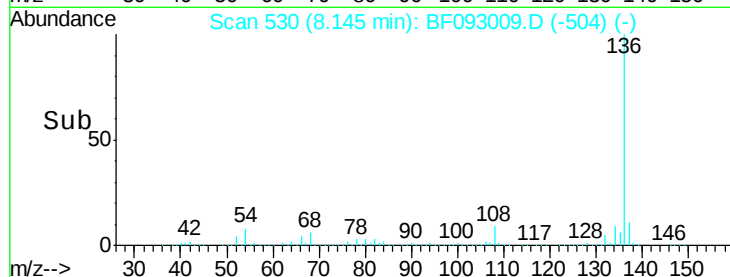


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.21 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.00 min

Lab File: BF093009.D

Acq: 17 Feb 2017 14:41

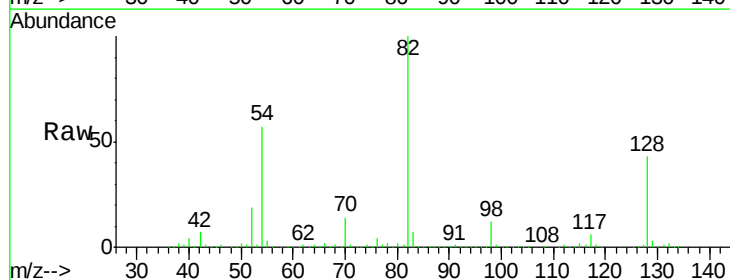
Tgt Ion: 82 Resp: 1059094

Ion Ratio Lower Upper

82 100

128 42.7 34.6 52.0

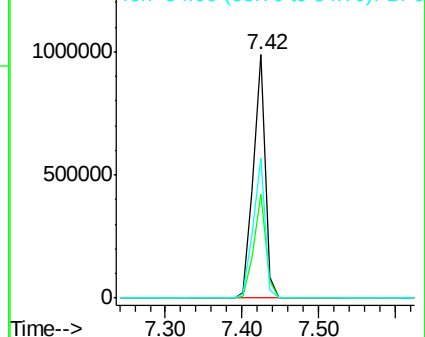
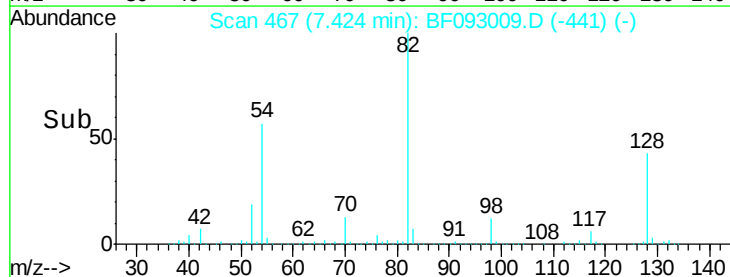
54 57.3 39.5 59.3

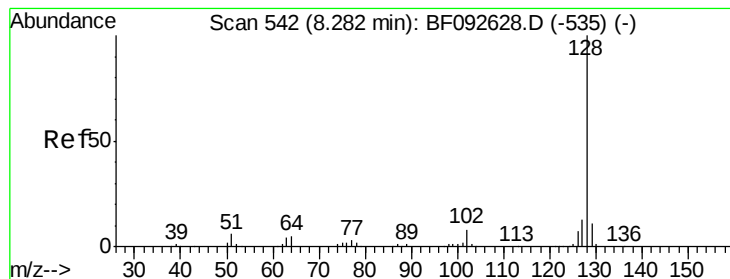


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 3.75 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF093009.D

Acq: 17 Feb 2017 14:41

Instrument :

BNA_F

ClientSampleId :

MANHOLE-002

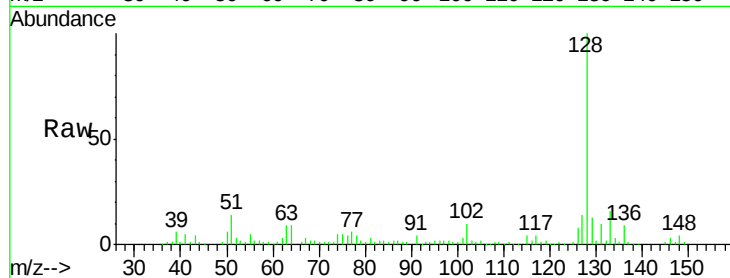
Tgt Ion:128 Resp: 134647

Ion Ratio Lower Upper

128 100

129 12.7 9.5 14.3

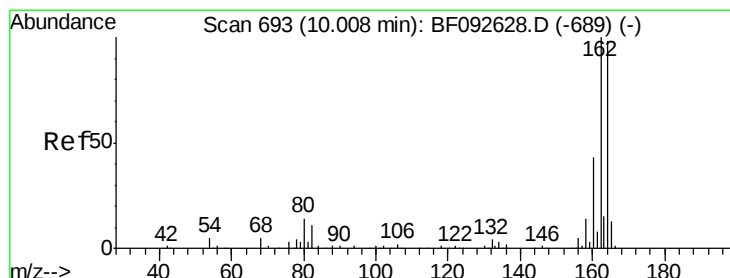
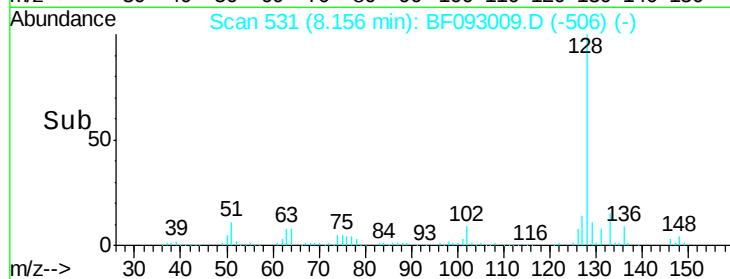
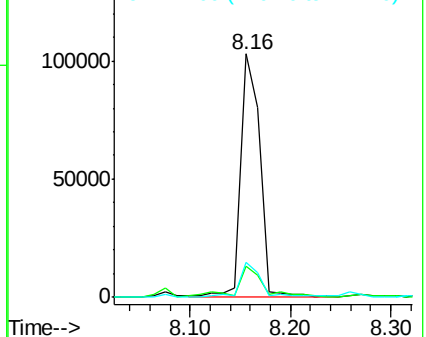
127 14.1 10.8 16.2



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: 9.89 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF093009.D

Acq: 17 Feb 2017 14:41

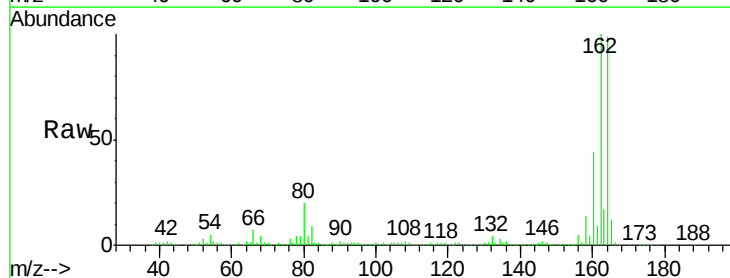
Tgt Ion:164 Resp: 393795

Ion Ratio Lower Upper

164 100

162 100.6 80.2 120.2

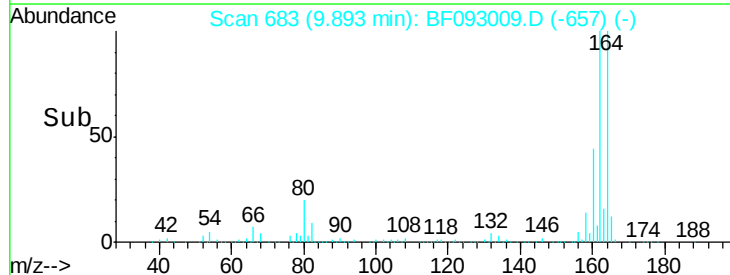
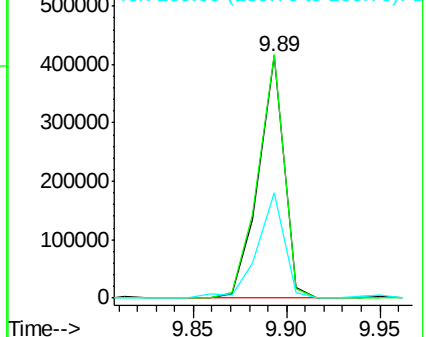
160 43.8 36.9 55.3



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

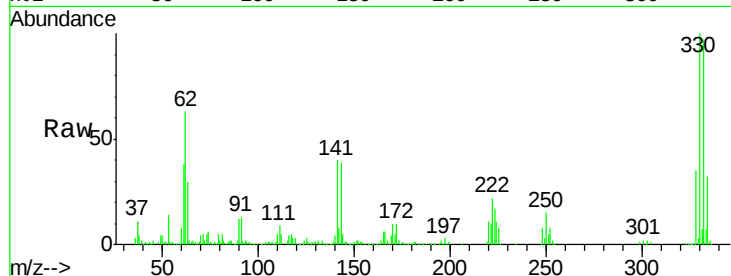




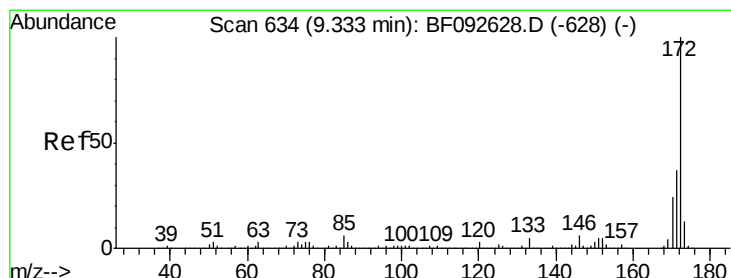
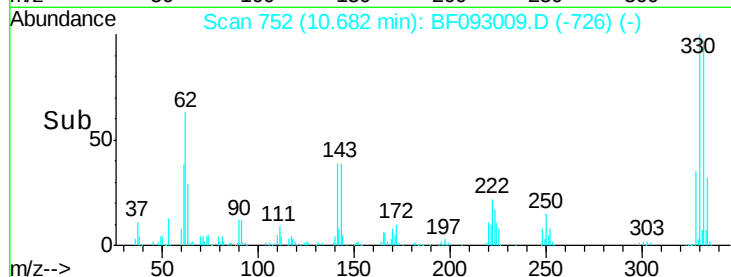
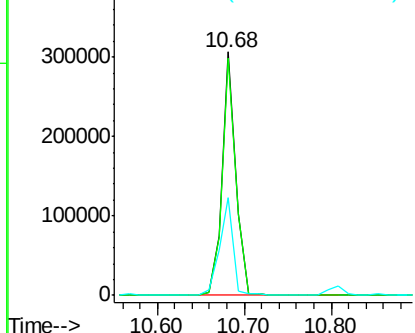
#41
 2,4,6-Tribromophenol
 Concen: 119.49 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093009.D
 Acq: 17 Feb 2017 14:41

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-002

Tgt Ion:330 Resp: 340321
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.4 116.2
 141 38.7 34.1 51.1

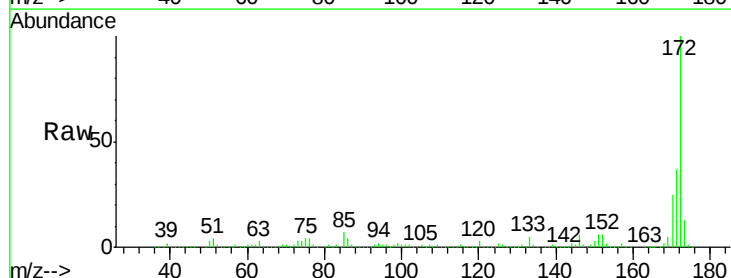


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

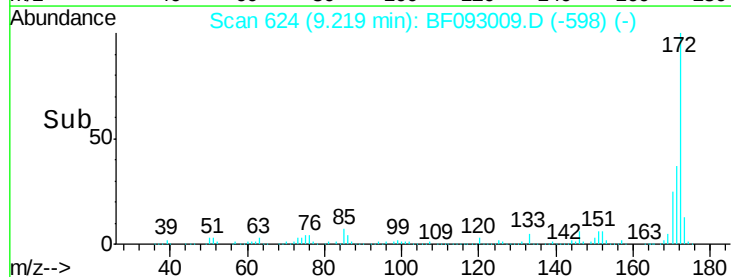
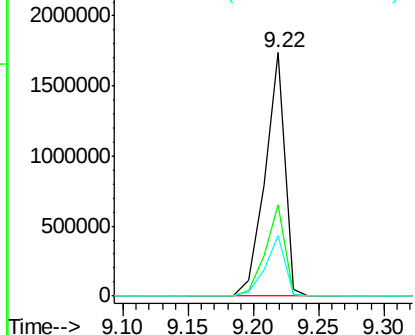


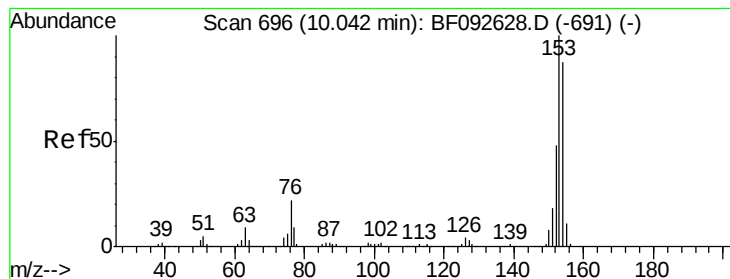
#44
 2-Fluorobiphenyl
 Concen: 85.15 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093009.D
 Acq: 17 Feb 2017 14:41

Tgt Ion:172 Resp: 1850767
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.4 44.0
 170 25.1 20.2 30.4



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





#51

Acenaphthene

Concen: 28.35 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.00 min

Lab File: BF093009.D

Acq: 17 Feb 2017 14:41

Instrument :

BNA_F

ClientSampleId :

MANHOLE-002

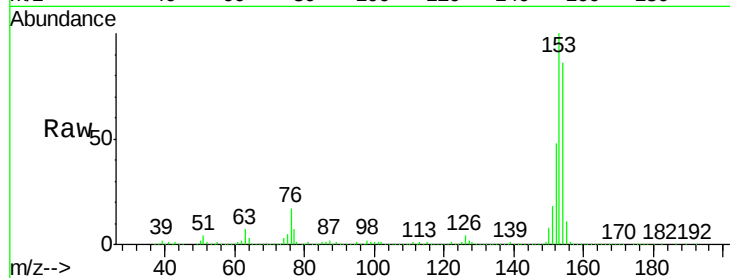
Tgt Ion:154 Resp: 653068

Ion Ratio Lower Upper

154 100

153 116.0 88.6 133.0

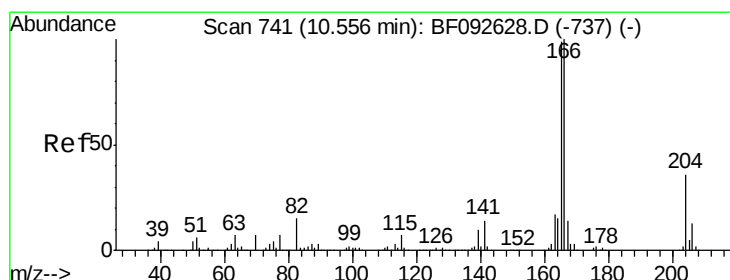
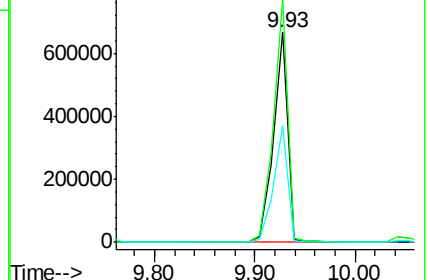
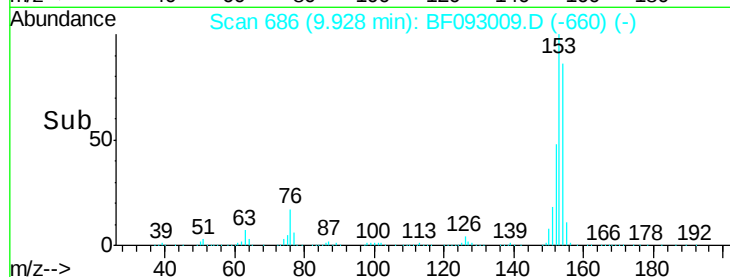
152 55.8 41.6 62.4



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



#57

Fluorene

Concen: 2.43 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF093009.D

Acq: 17 Feb 2017 14:41

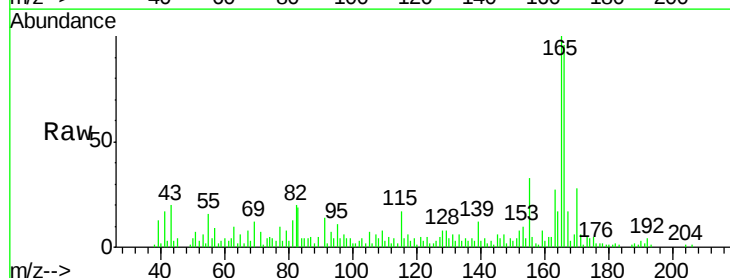
Tgt Ion:166 Resp: 57707

Ion Ratio Lower Upper

166 100

165 104.4 77.8 116.8

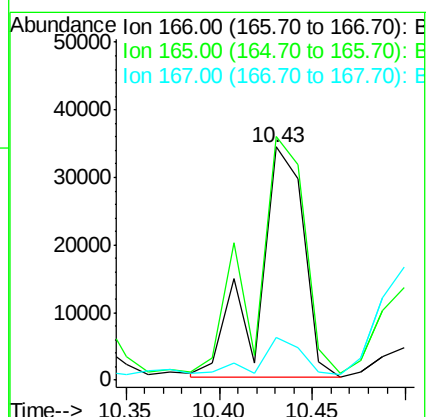
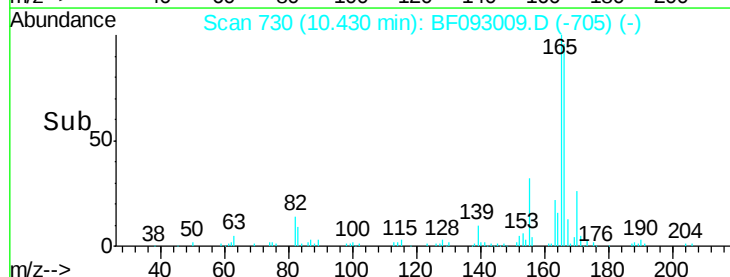
167 18.2 10.8 16.2#

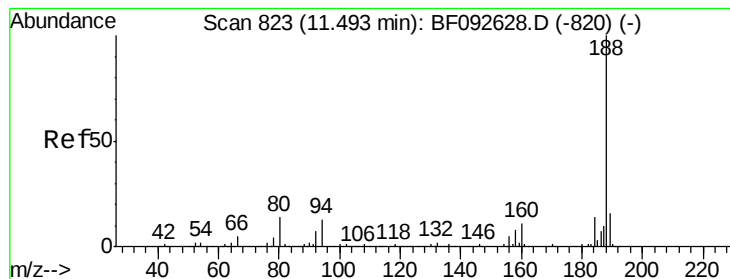


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.38 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF093009.D

Acq: 17 Feb 2017 14:41

Instrument :

BNA_F

ClientSampleId :

MANHOLE-002

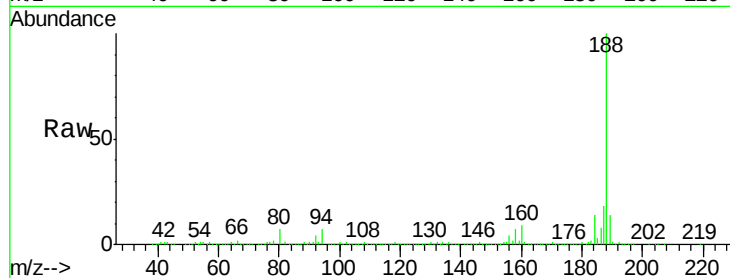
Tgt Ion:188 Resp: 630288

Ion Ratio Lower Upper

188 100

94 7.2 10.0 15.0#

80 6.8 11.2 16.8#



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

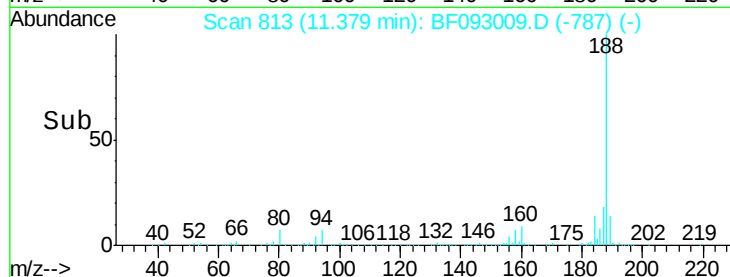
11.38

400000

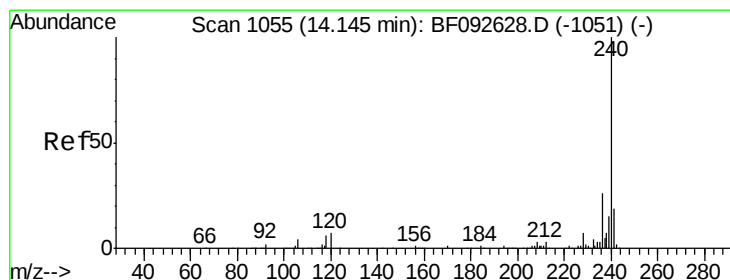
200000

0

11.30 11.35 11.40



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093009.D

Acq: 17 Feb 2017 14:41

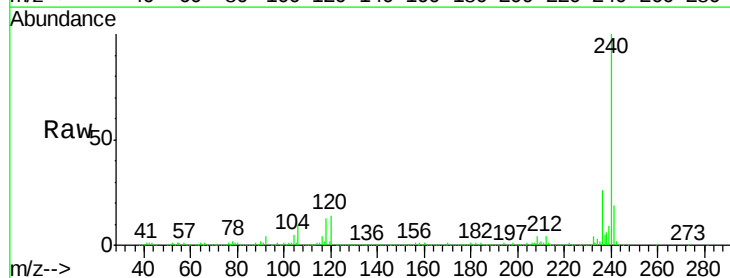
Tgt Ion:240 Resp: 540586

Ion Ratio Lower Upper

240 100

120 14.4 12.9 19.3

236 26.4 20.9 31.3



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

14.01

800000

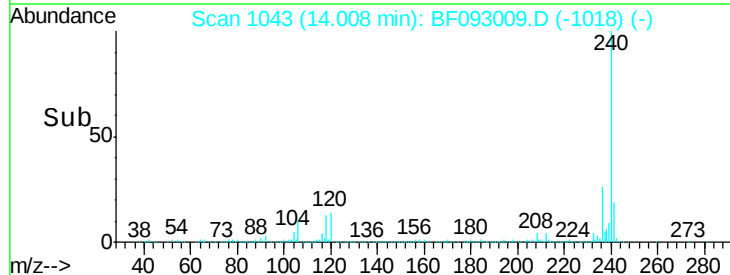
600000

400000

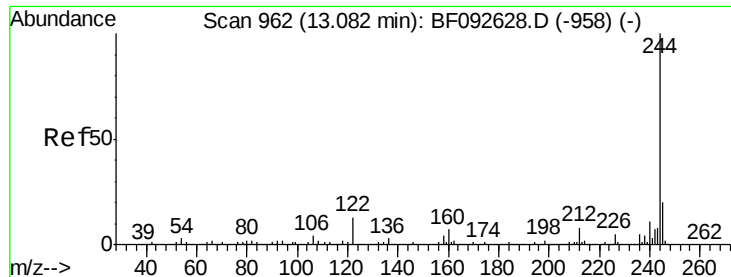
200000

0

13.90 14.00 14.10 14.20



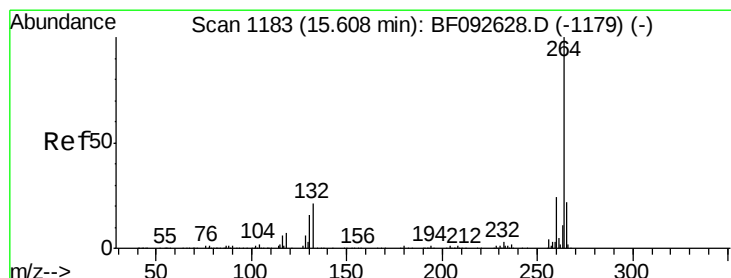
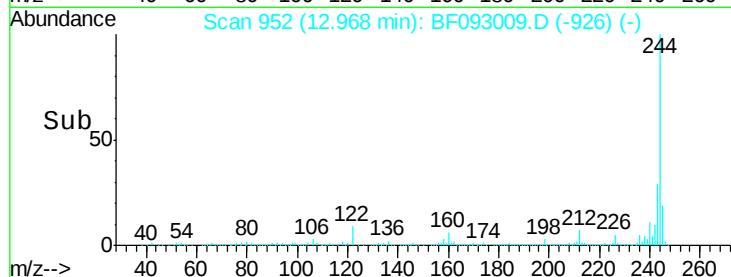
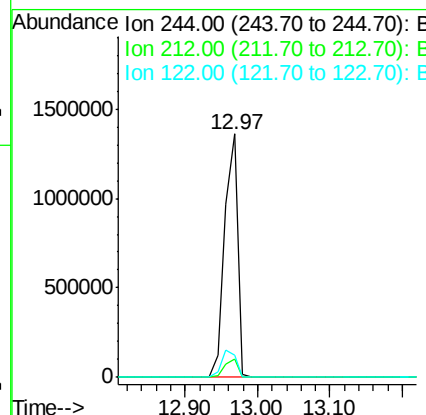
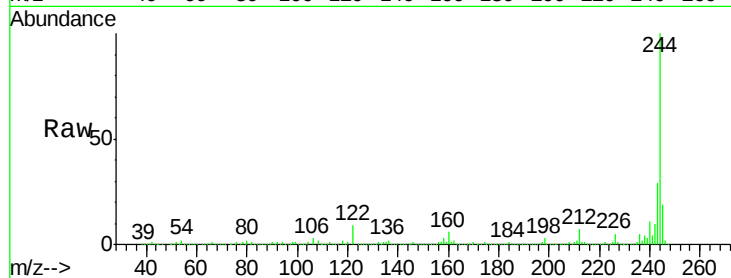
Time-->



#78
 Terphenyl-d14
 Concen: 74.03 ng
 RT: 12.97 min Scan# 952
 Delta R.T. -0.00 min
 Lab File: BF093009.D
 Acq: 17 Feb 2017 14:41

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-002

Tgt Ion:244 Resp: 1703181
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 9.3 11.4 17.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF093009.D
 Acq: 17 Feb 2017 14:41

Tgt Ion:264 Resp: 467275
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 21.1 17.4 26.0

