

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
 Data File : BF093014.D
 Acq On : 17 Feb 2017 16:58
 Operator : SJ/MA
 Sample : I1884-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-001

Quant Time: Feb 17 23:12:15 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

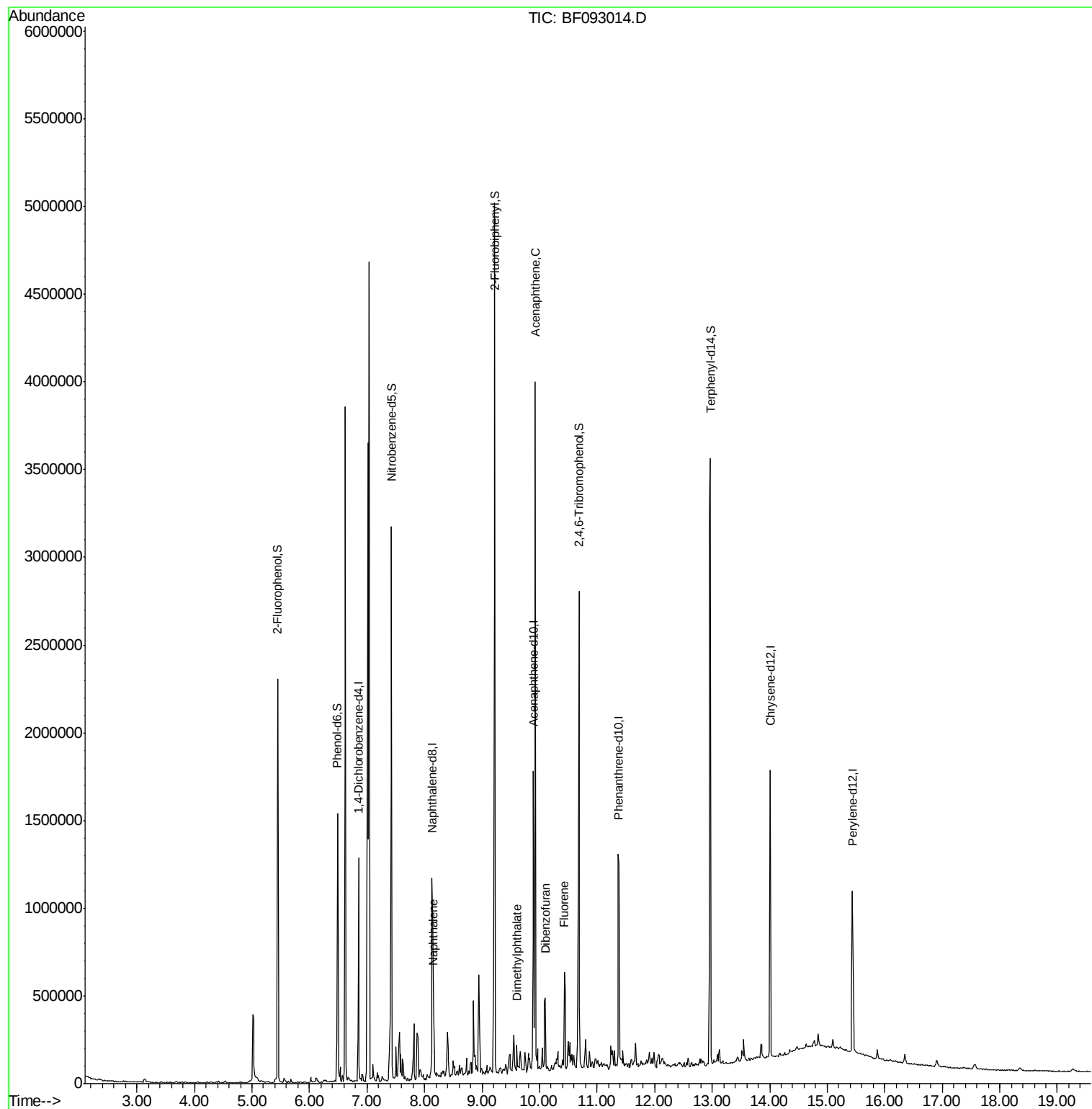
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	182007	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	708997	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	411311	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	672641	20.00	ng	0.00
75) Chrysene-d12	14.01	240	537208	20.00	ng	-0.01
86) Perylene-d12	15.44	264	431225	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	622019	58.63	ng	0.00
7) Phenol-d6	6.49	99	507703	37.19	ng	0.00
23) Nitrobenzene-d5	7.42	82	1144079	89.86	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	339530	114.13	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1919427	84.54	ng	0.00
78) Terphenyl-d14	12.97	244	1658384	72.54	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.16	128	146783	4.08	ng	99
49) Dimethylphthalate	9.61	163	56192	2.03	ng	98
51) Acenaphthene	9.93	154	953959	39.64	ng	97
54) Dibenzofuran	10.10	168	248529	7.72	ng	# 87
57) Fluorene	10.43	166	216339	8.74	ng	# 99

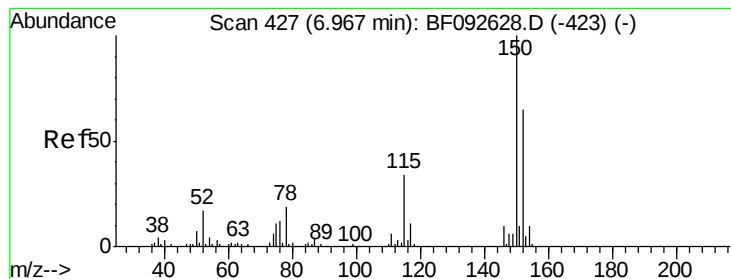
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF093014.D

Acq: 17 Feb 2017 16:58

Instrument :

BNA_F

ClientSampleId :

MANHOLE-001

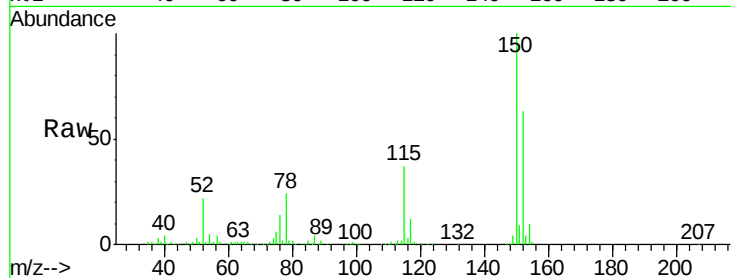
Tgt Ion:152 Resp: 182007

Ion Ratio Lower Upper

152 100

150 158.8 124.9 187.3

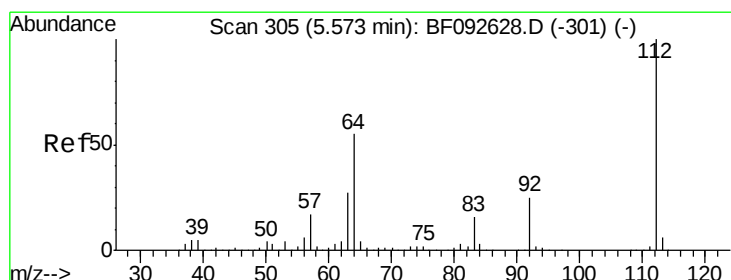
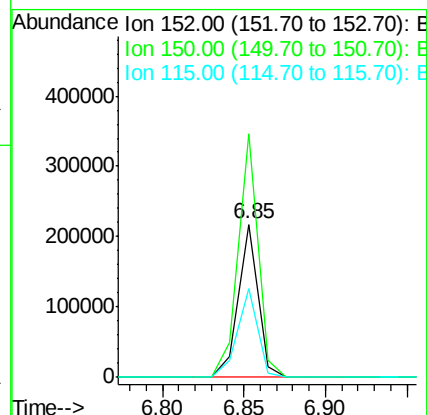
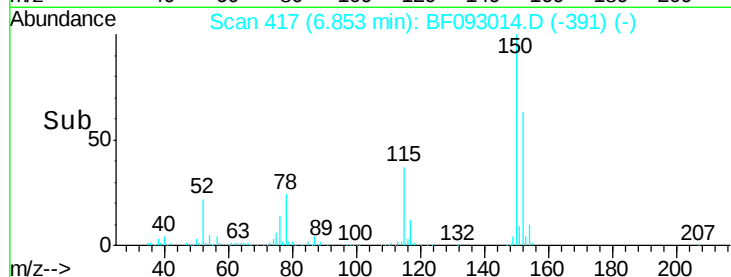
115 58.2 46.0 69.0



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: 58.63 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.00 min

Lab File: BF093014.D

Acq: 17 Feb 2017 16:58

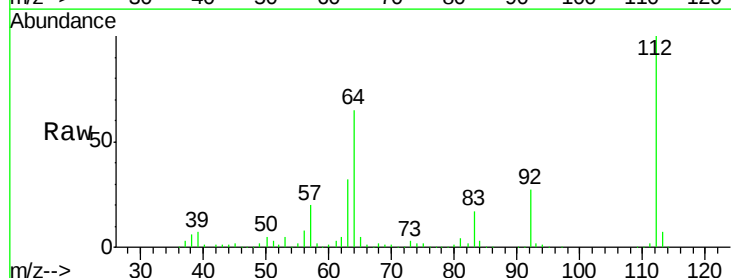
Tgt Ion:112 Resp: 622019

Ion Ratio Lower Upper

112 100

64 65.5 46.1 69.1

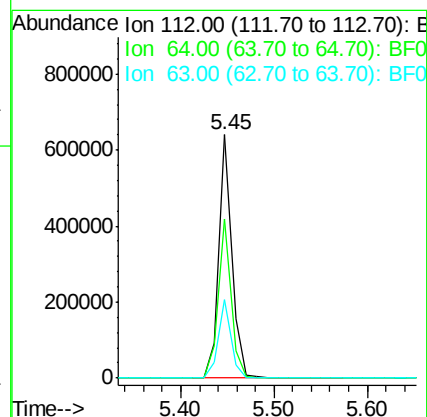
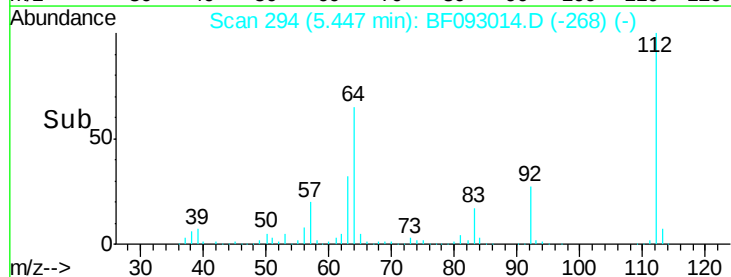
63 32.0 23.8 35.6

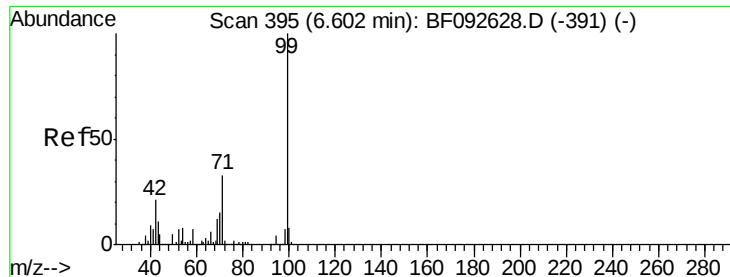


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 37.19 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093014.D

Acq: 17 Feb 2017 16:58

Instrument :

BNA_F

ClientSampleId :

MANHOLE-001

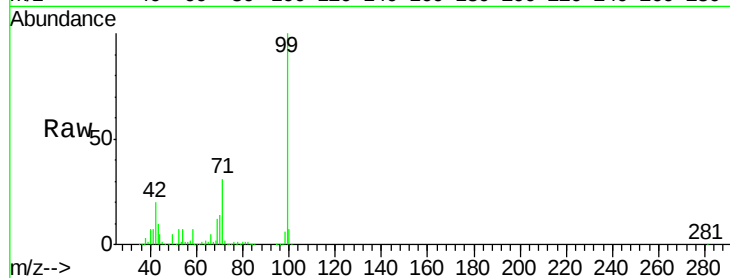
Tgt Ion: 99 Resp: 507703

Ion Ratio Lower Upper

99 100

42 20.3 15.6 23.4

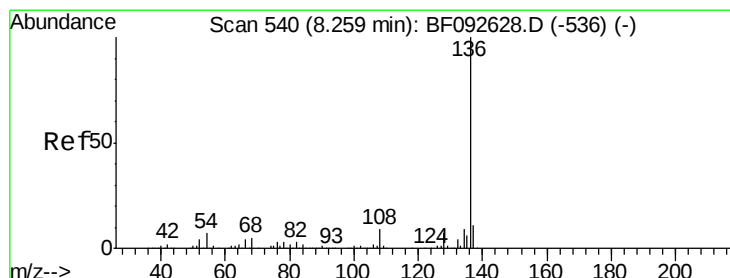
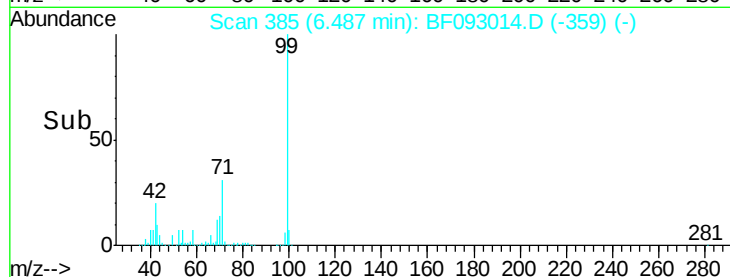
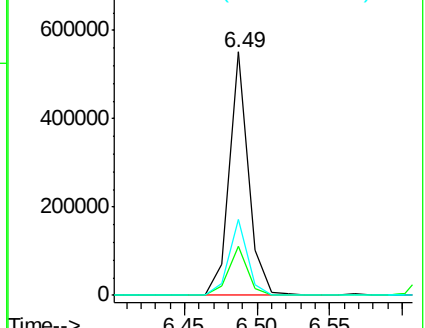
71 31.3 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF093014.D

Acq: 17 Feb 2017 16:58

Tgt Ion: 136 Resp: 708997

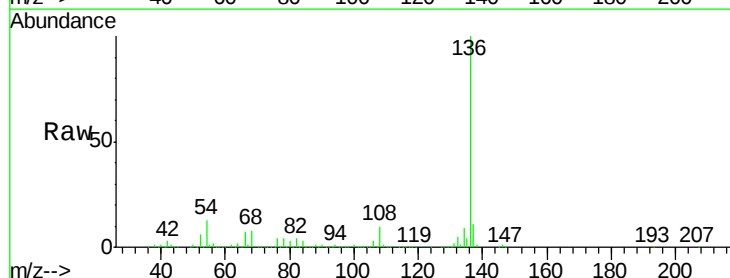
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 12.7 4.5 6.7#

68 8.3 3.6 5.4#

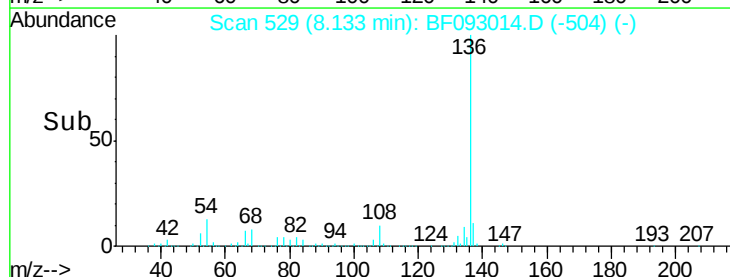
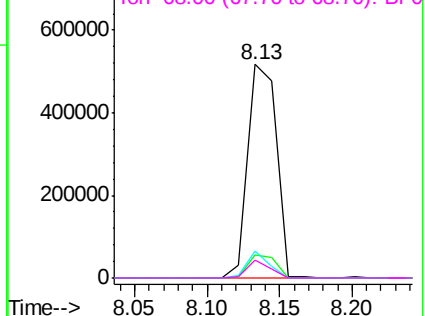


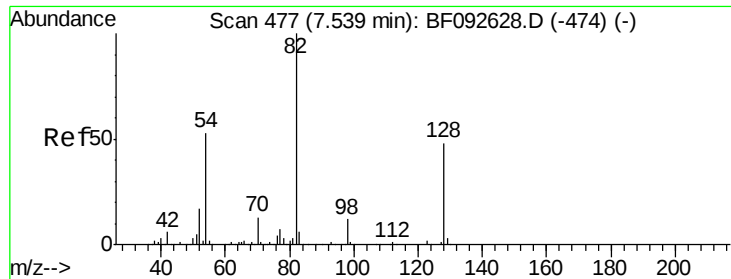
Abundance Ion 136.00 (135.70 to 136.70): E

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

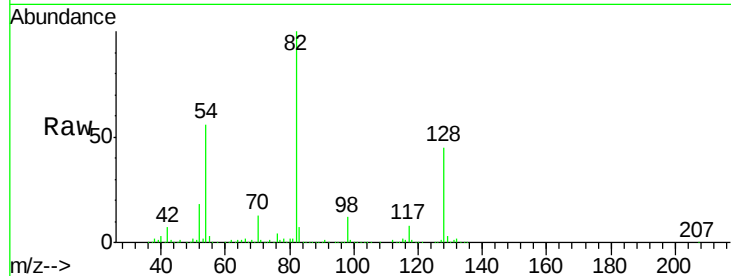




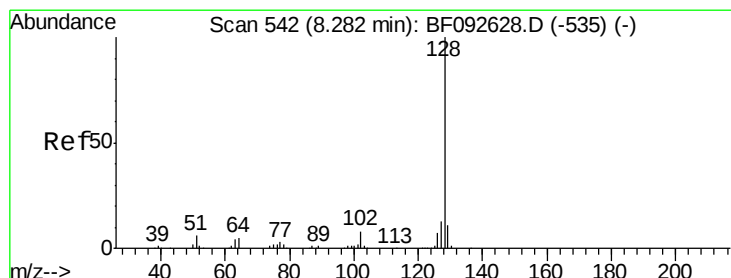
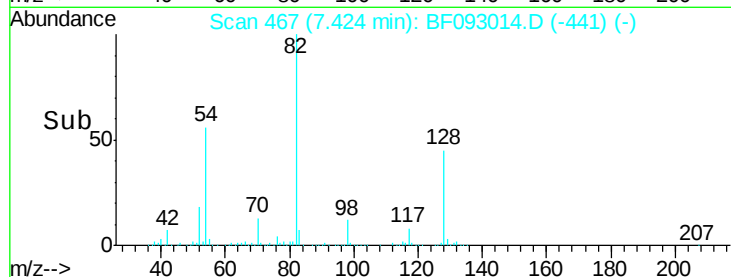
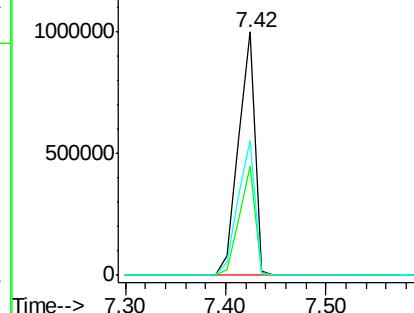
#23
 Nitrobenzene-d5
 Concen: 89.86 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: BF093014.D
 Acq: 17 Feb 2017 16:58

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-001

Tgt Ion: 82 Resp: 1144079
 Ion Ratio Lower Upper
 82 100
 128 44.8 34.6 52.0
 54 55.5 39.5 59.3

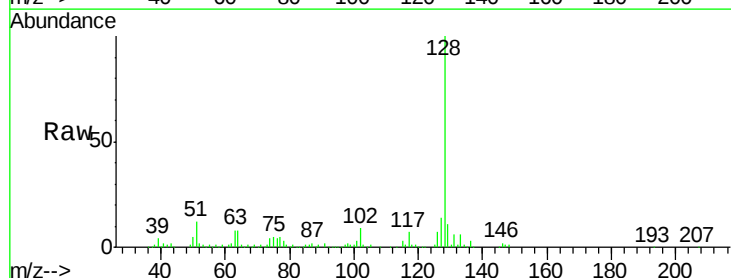


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

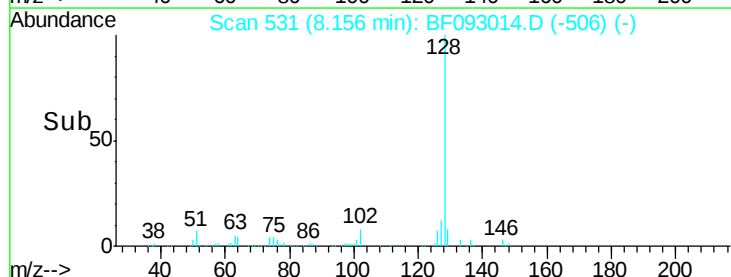
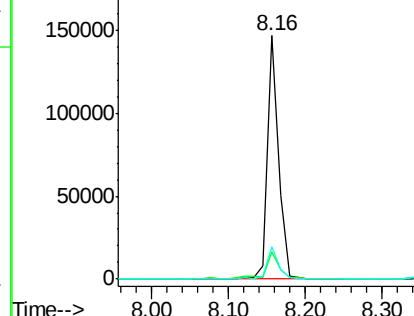


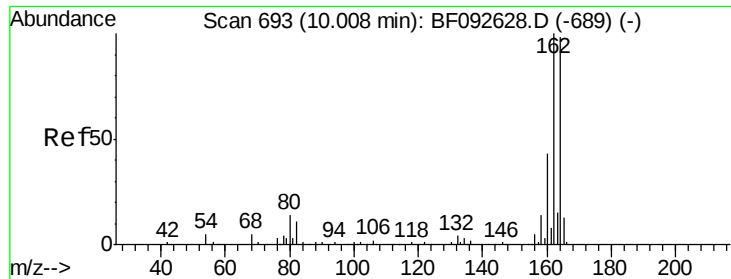
#31
 Naphthalene
 Concen: 4.08 ng
 RT: 8.16 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: BF093014.D
 Acq: 17 Feb 2017 16:58

Tgt Ion: 128 Resp: 146783
 Ion Ratio Lower Upper
 128 100
 129 11.4 9.5 14.3
 127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): BF0
 Ion 129.00 (128.70 to 129.70): BF0
 Ion 127.00 (126.70 to 127.70): BF0

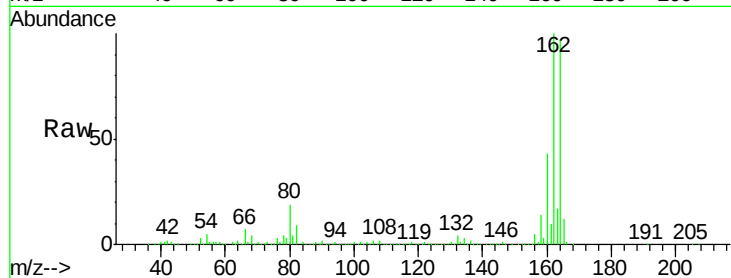




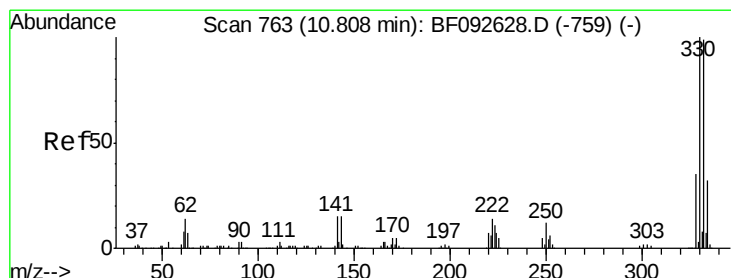
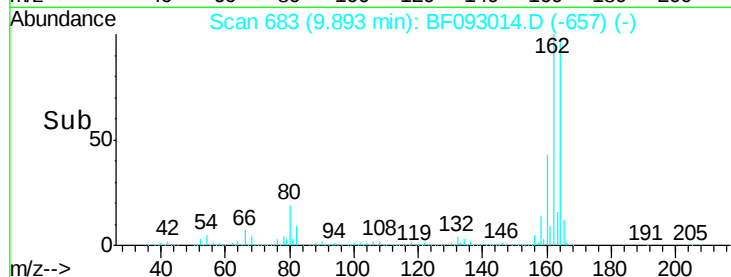
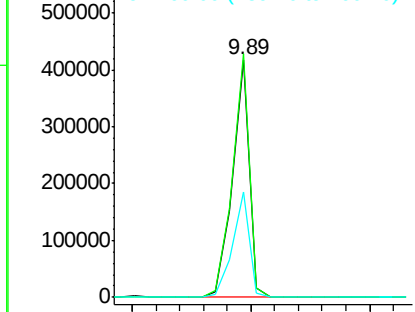
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.00 min
 Lab File: BF093014.D
 Acq: 17 Feb 2017 16:58

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-001

Tgt Ion:164 Resp: 411311
 Ion Ratio Lower Upper
 164 100
 162 102.6 80.2 120.2
 160 44.2 36.9 55.3

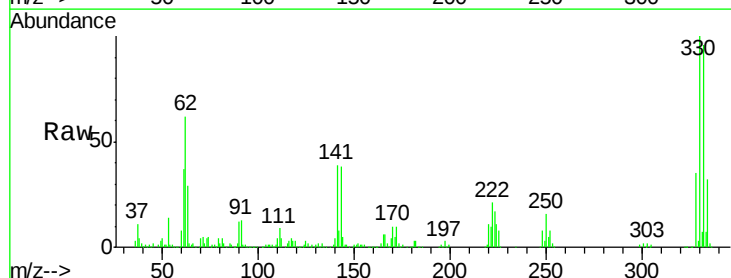


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

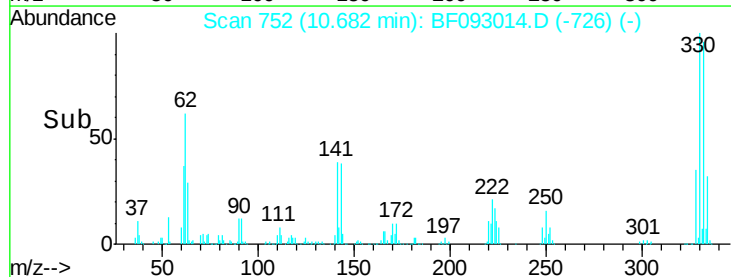
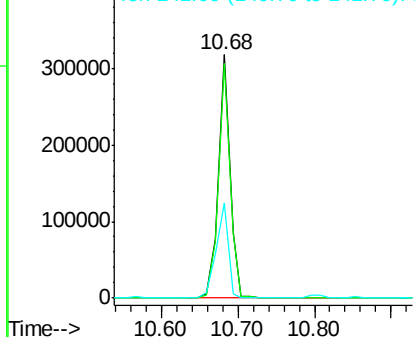


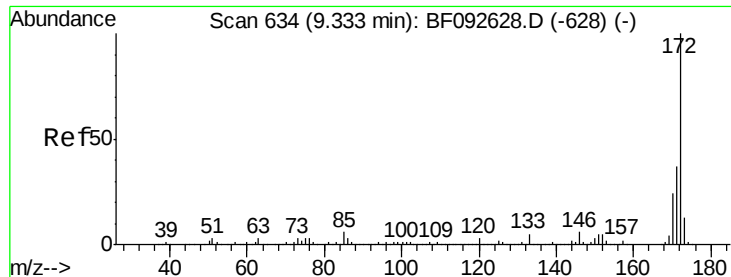
#41
 2,4,6-Tribromophenol
 Concen: 114.13 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093014.D
 Acq: 17 Feb 2017 16:58

Tgt Ion:330 Resp: 339530
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.2
 141 39.1 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

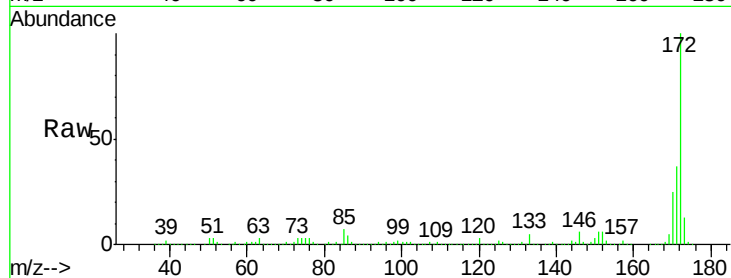




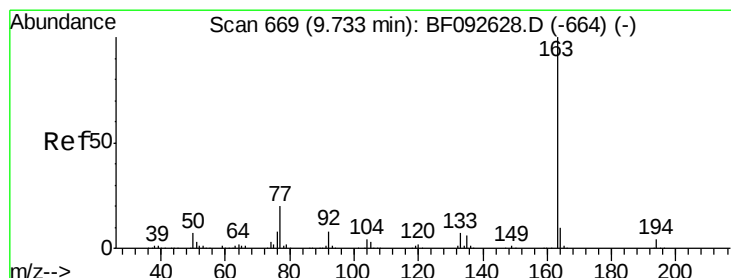
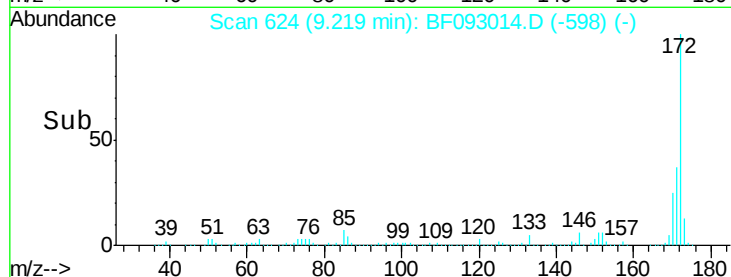
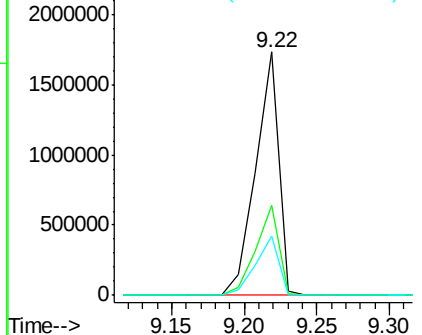
#44
 2-Fluorobiphenyl
 Concen: 84.54 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093014.D
 Acq: 17 Feb 2017 16:58

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-001

Tgt Ion:172 Resp: 1919427
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.4 44.0
 170 24.6 20.2 30.4

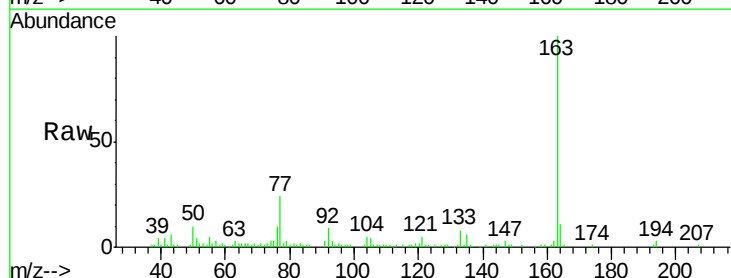


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

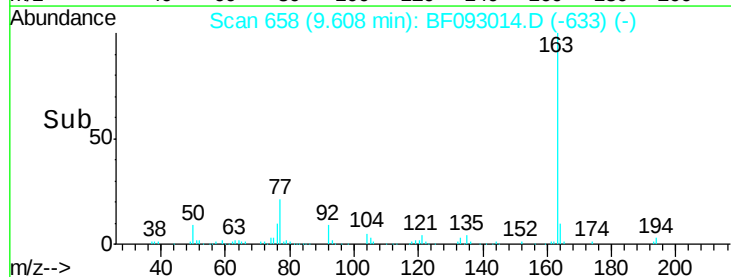
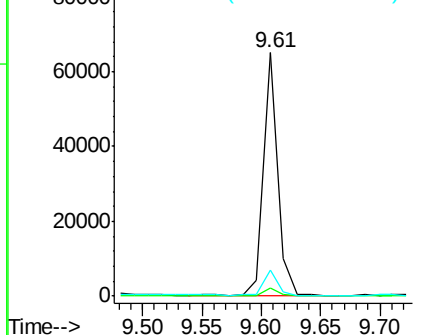


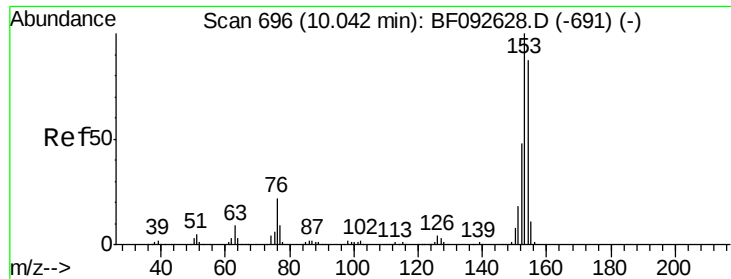
#49
 Dimethylphthalate
 Concen: 2.03 ng
 RT: 9.61 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF093014.D
 Acq: 17 Feb 2017 16:58

Tgt Ion:163 Resp: 56192
 Ion Ratio Lower Upper
 163 100
 194 3.3 3.0 4.4
 164 10.9 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





#51

Acenaphthene

Concen: 39.64 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.00 min

Lab File: BF093014.D

Acq: 17 Feb 2017 16:58

Instrument :

BNA_F

ClientSampleId :

MANHOLE-001

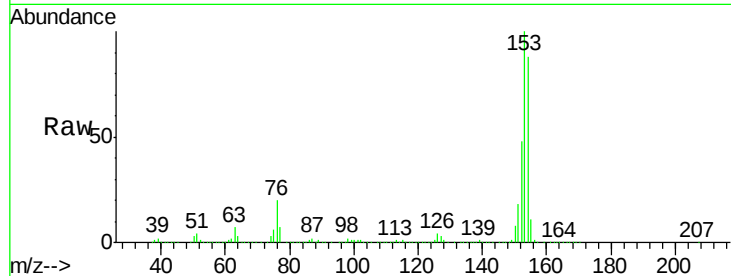
Tgt Ion:154 Resp: 953959

Ion Ratio Lower Upper

154 100

153 114.0 88.6 133.0

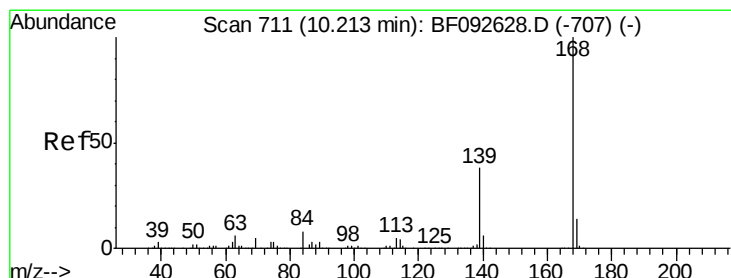
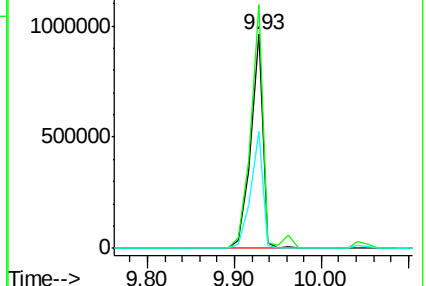
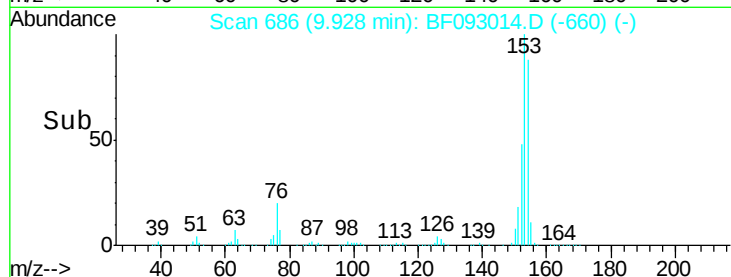
152 54.8 41.6 62.4



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



#54

Dibenzofuran

Concen: 7.72 ng

RT: 10.10 min Scan# 701

Delta R.T. -0.00 min

Lab File: BF093014.D

Acq: 17 Feb 2017 16:58

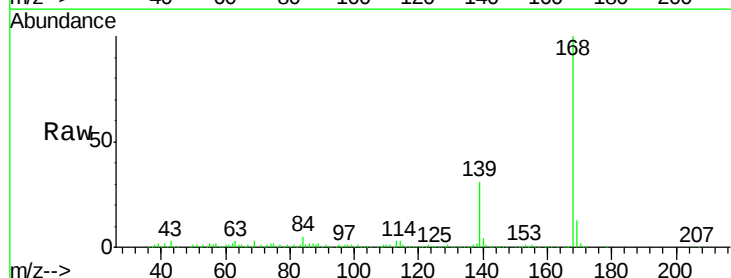
Tgt Ion:168 Resp: 248529

Ion Ratio Lower Upper

168 100

139 30.9 32.6 49.0#

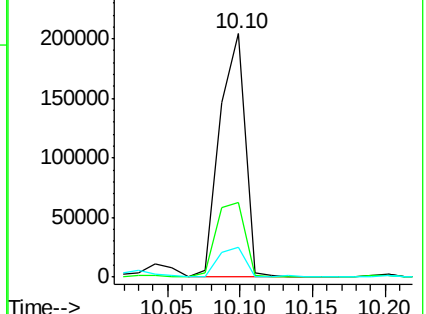
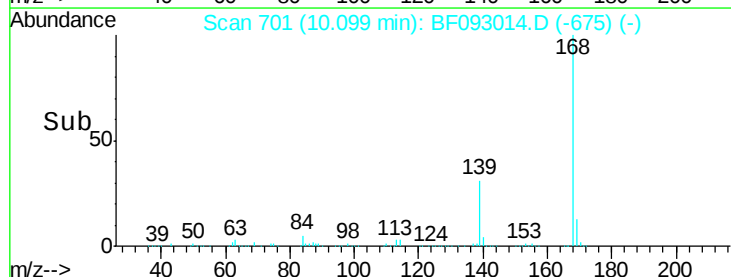
169 12.5 11.3 16.9

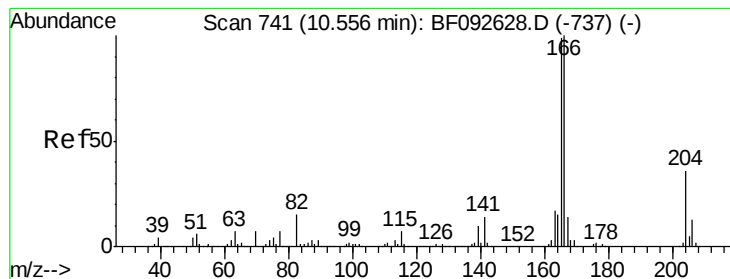


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 8.74 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF093014.D

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Instrument :

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MANHOLE-001

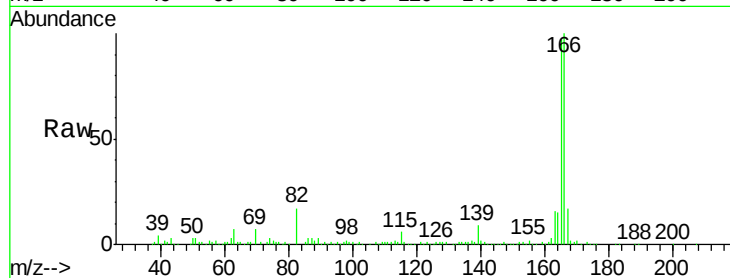
Tgt Ion:166 Resp: 216339

Ion Ratio Lower Upper

166 100

165 97.3 77.8 116.8

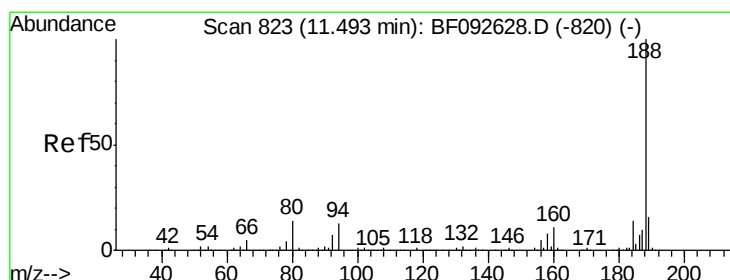
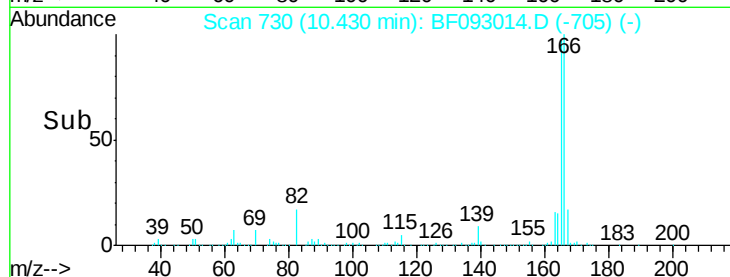
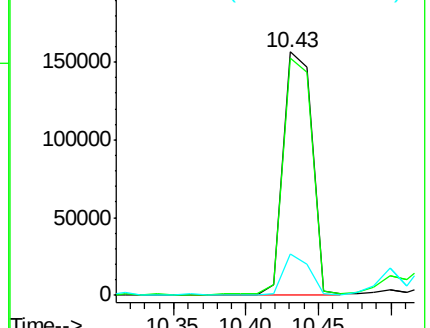
167 17.2 10.8 16.2#



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: BF093014.D

Acq: 17 Feb 2017 16:58

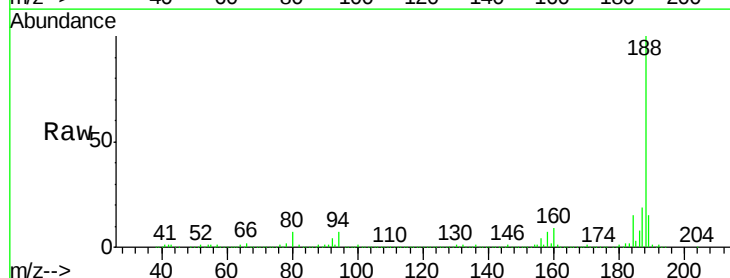
Tgt Ion:188 Resp: 672641

Ion Ratio Lower Upper

188 100

94 7.4 10.0 15.0#

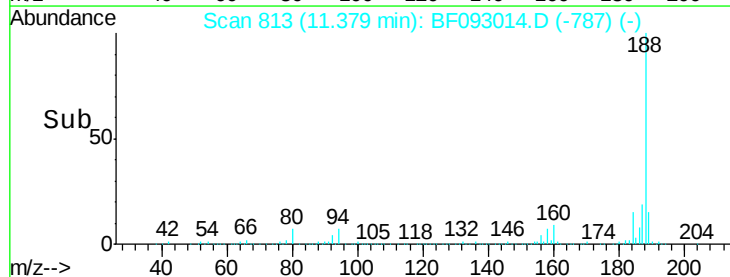
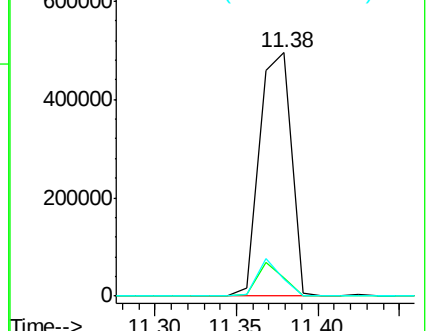
80 7.0 11.2 16.8#

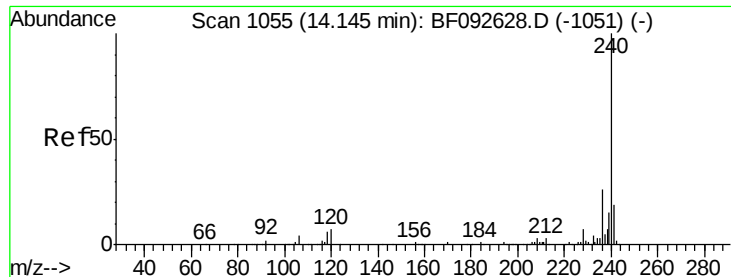


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093014.D

Acq: 17 Feb 2017 16:58

Instrument :

BNA_F

ClientSampleId :

MANHOLE-001

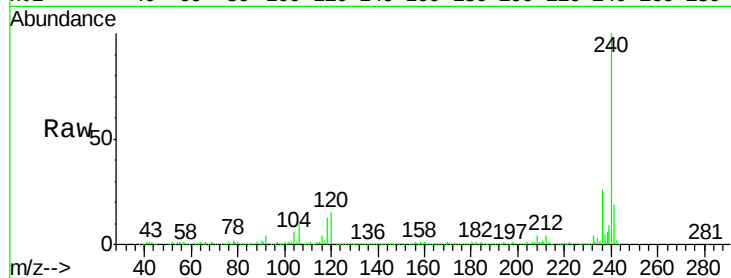
Tgt Ion:240 Resp: 537208

Ion Ratio Lower Upper

240 100

120 14.6 12.9 19.3

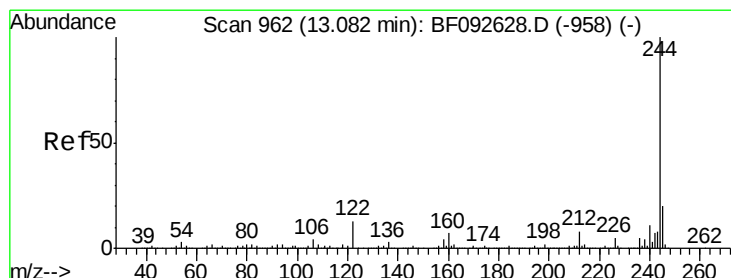
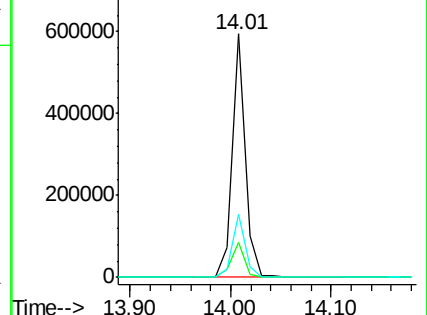
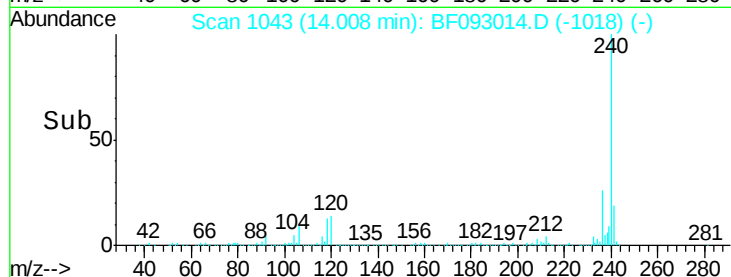
236 25.8 20.9 31.3



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



#78

Terphenyl-d14

Concen: 72.54 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF093014.D

Acq: 17 Feb 2017 16:58

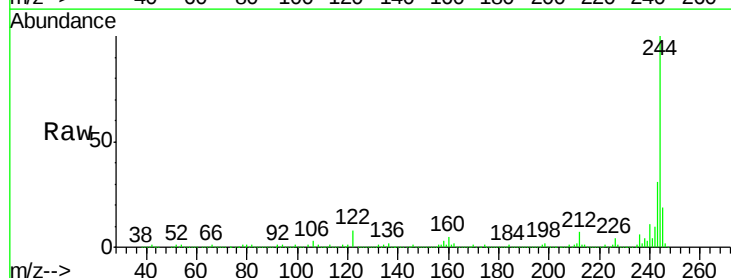
Tgt Ion:244 Resp: 1658384

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

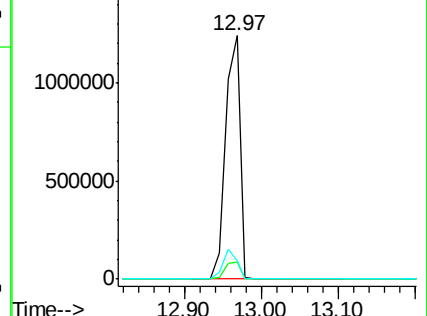
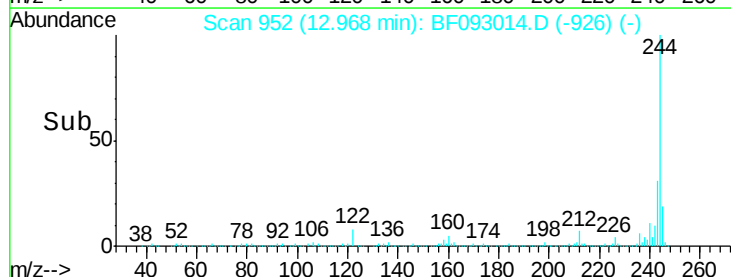
122 7.7 11.4 17.2#

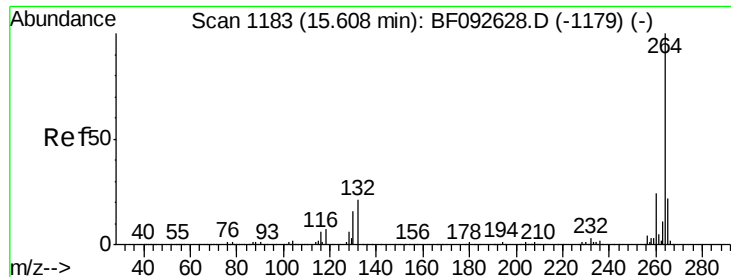


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

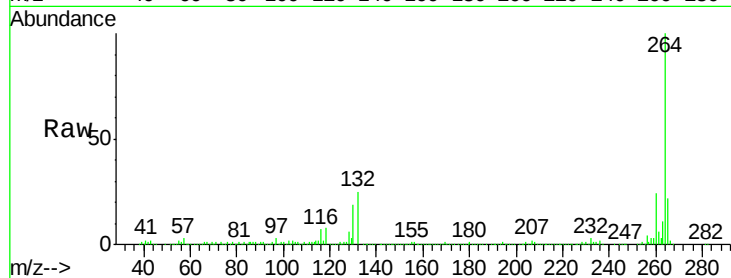




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093014.D
Acq: 17 Feb 2017 16:58

Instrument :
BNA_F
ClientSampleId :
MANHOLE-001

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.7	17.4	26.0



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

