

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

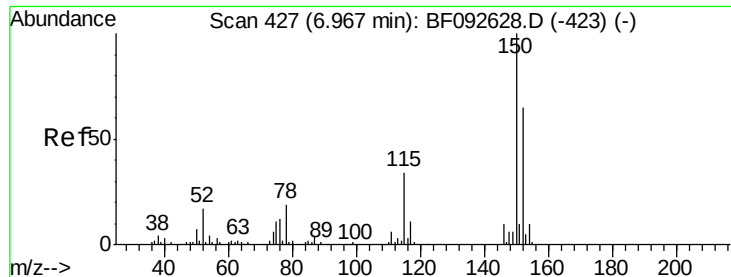
Quant Time: Feb 17 22:14:04 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

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
15) Benzyl Alcohol	7.01	79	23458	2.32	ng	# 32
18) Hexachloroethane	7.42	117	89347	18.86	ng	# 3
19) n-Nitroso-di-n-propylamine	7.42	70	154698	17.80	ng	# 81
25) Isophorone	7.42	82	1084227	45.70	ng	# 65
31) Naphthalene	8.16	128	146783	4.08	ng	99
32) Benzoic acid	7.94	122	1931	7.43	ng	# 52
48) Acenaphthylene	9.93	152	522699	12.99	ng	# 1
49) Dimethylphthalate	9.61	163	56192	2.03	ng	98
51) Acenaphthene	9.93	154	953959	39.64	ng	97
53) 2,4-Dinitrophenol	10.04	184	349	4.84	ng	# 1
54) Dibenzofuran	10.10	168	248529	7.72	ng	# 87
57) Fluorene	10.43	166	216339	8.74	ng	# 99
64) 4,6-Dinitro-2-methylphenol	10.68	198	1025	2.91	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	24353	3.47	ng	# 1
69) Pentachlorophenol	11.18	266	210	7.26	ng	# 18

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.00 min

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MANHOLE-001

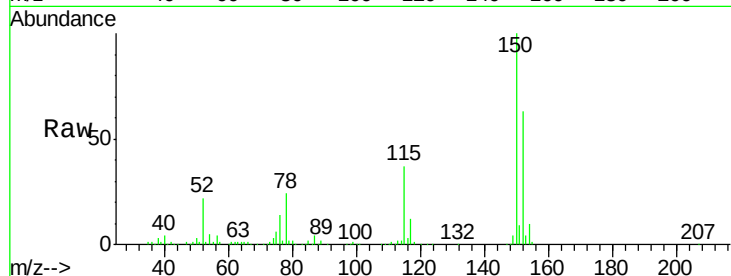
Tgt Ion:152 Resp: 182007

Ion Ratio Lower Upper

152 100

150 158.8 124.9 187.3

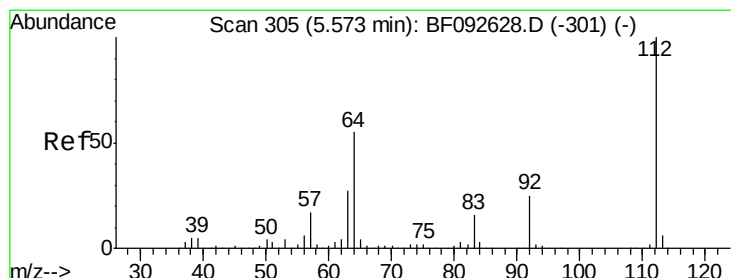
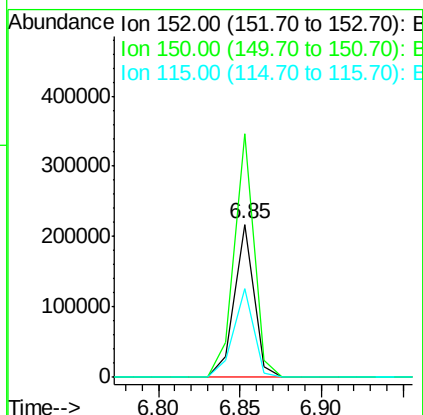
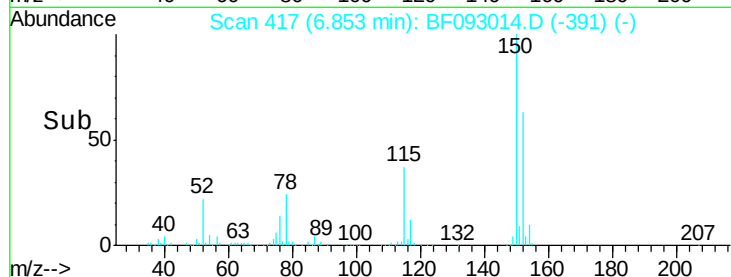
115 58.2 46.0 69.0



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

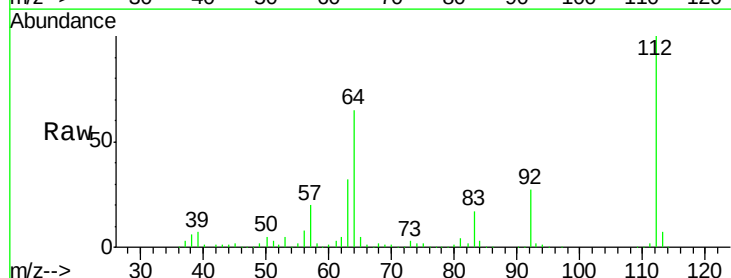
Tgt Ion:112 Resp: 622019

Ion Ratio Lower Upper

112 100

64 65.5 46.1 69.1

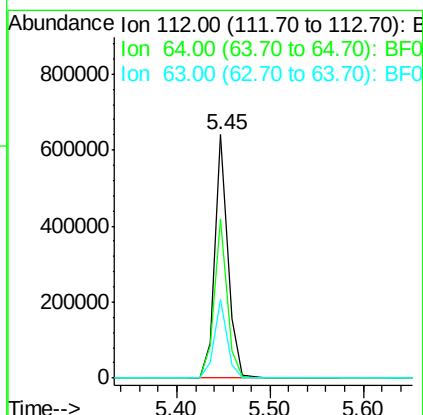
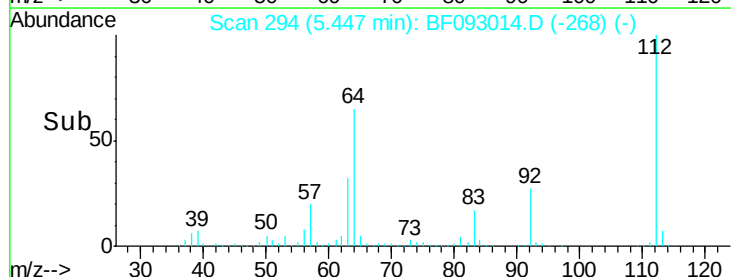
63 32.0 23.8 35.6

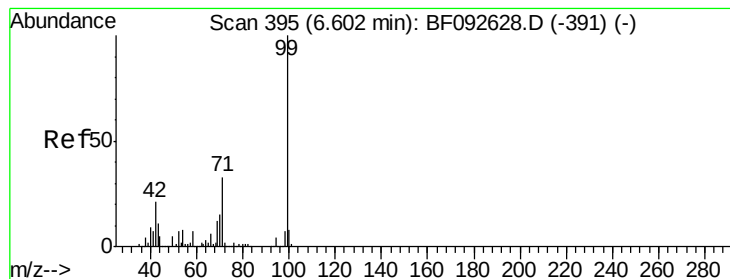


Abundance Ion 112.00 (111.70 to 112.70): E

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

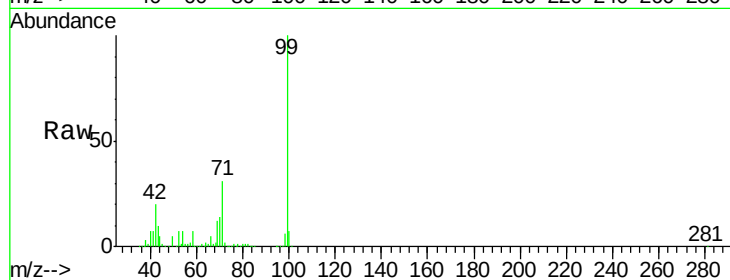
Tgt Ion: 99 Resp: 507703

Ion Ratio Lower Upper

99 100

42 20.3 15.6 23.4

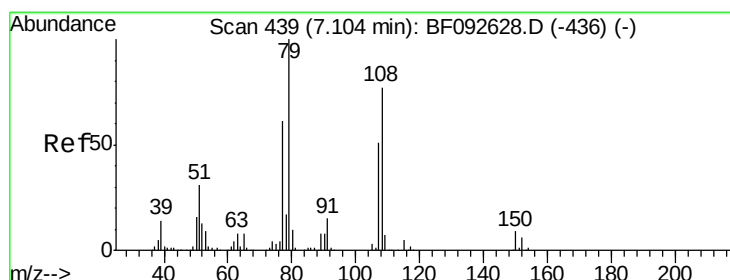
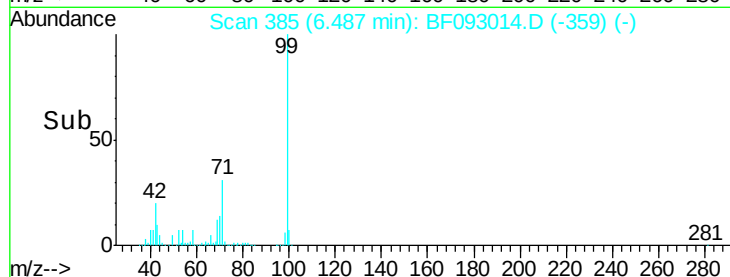
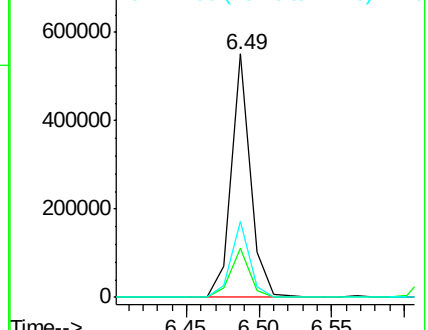
71 31.3 27.5 41.3



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



#15

Benzyl Alcohol

Concen: 2.32 ng

RT: 7.01 min Scan# 431

Delta R.T. 0.01 min

Lab File: BF093014.D

Acq: 17 Feb 2017 16:58

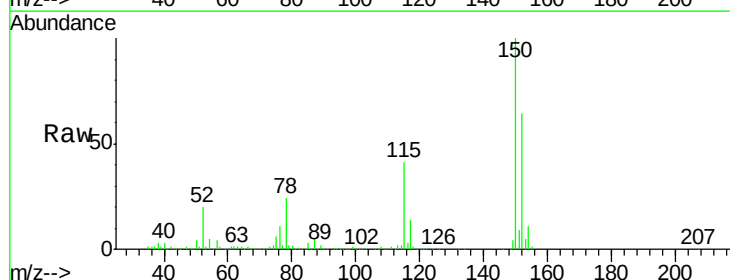
Tgt Ion: 79 Resp: 23458

Ion Ratio Lower Upper

79 100

108 30.0 61.4 92.0#

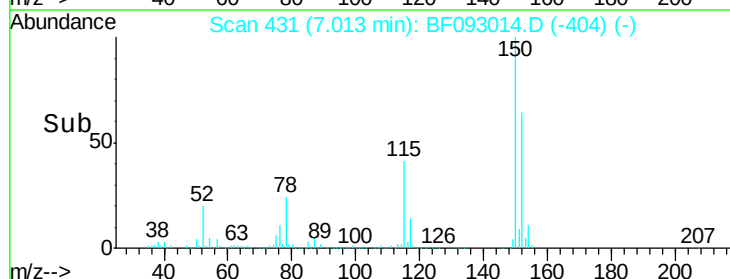
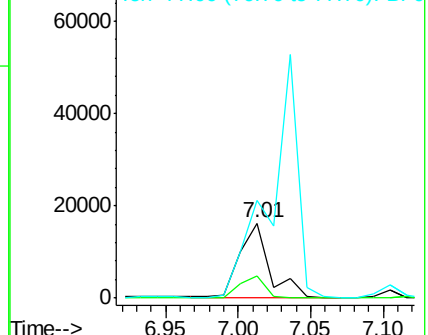
77 130.2 50.9 76.3#

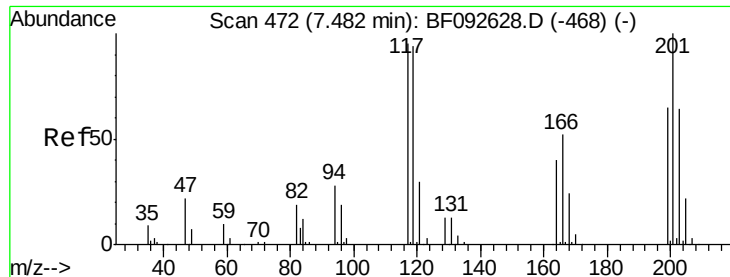


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

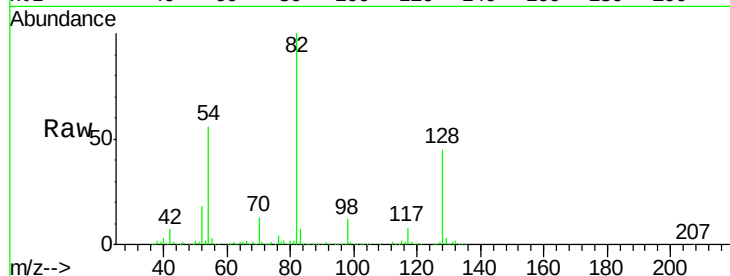




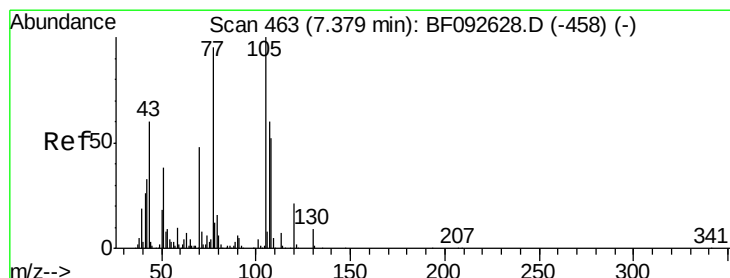
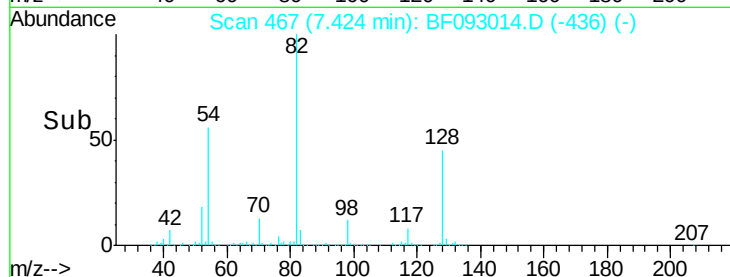
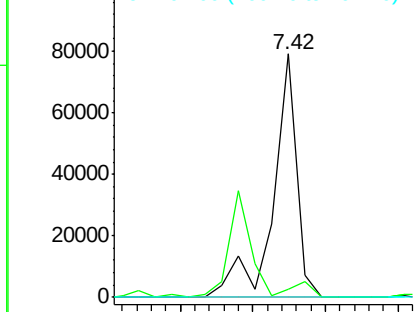
#18
Hexachloroethane
Concen: 18.86 ng
RT: 7.42 min Scan# 467
Delta R.T. 0.06 min
Lab File: BF093014.D
Acq: 17 Feb 2017 16:58

Instrument :
BNA_F
ClientSampled :
MANHOLE-001

Tgt Ion: 117 Resp: 89347
Ion Ratio Lower Upper
117 100
119 3.2 78.1 117.1#
201 0.0 78.6 117.8#

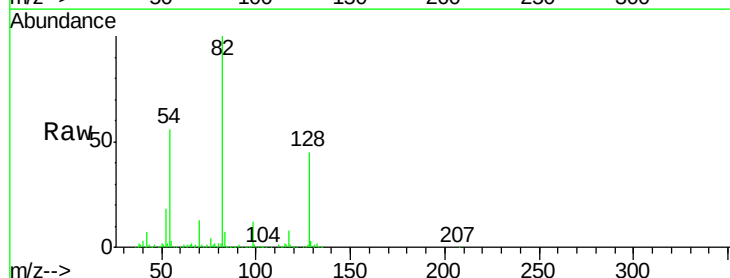


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

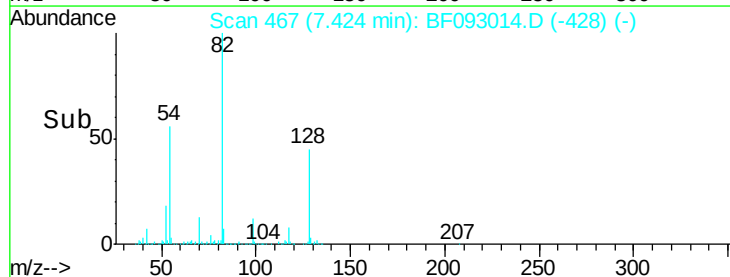
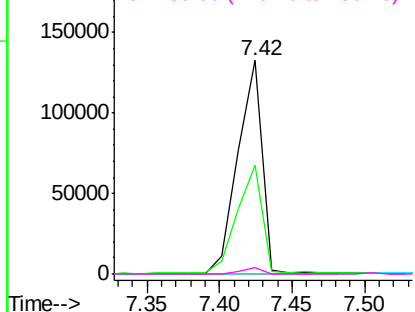


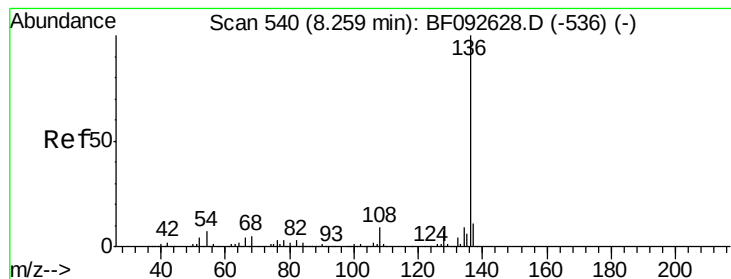
#19
n-Nitroso-di-n-propylamine
Concen: 17.80 ng
RT: 7.42 min Scan# 467
Delta R.T. 0.15 min
Lab File: BF093014.D
Acq: 17 Feb 2017 16:58

Tgt Ion: 70 Resp: 154698
Ion Ratio Lower Upper
70 100
42 50.9 49.4 74.0
101 0.2 7.4 11.2#
130 2.7 14.2 21.4#



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): E
Ion 130.00 (129.70 to 130.70): E





#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

Instrument :

BNA_F

ClientSampleId :

MANHOLE-001

Tgt Ion:136 Resp: 708997

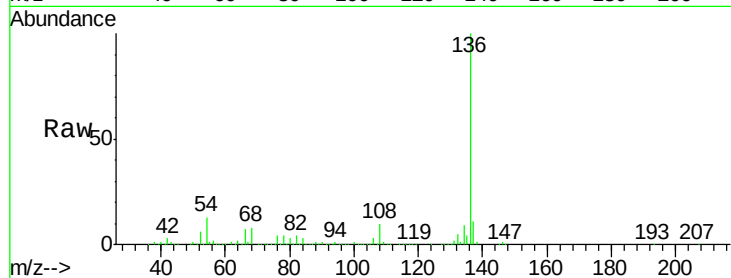
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 12.7 4.5 6.7#

68 8.3 3.6 5.4#

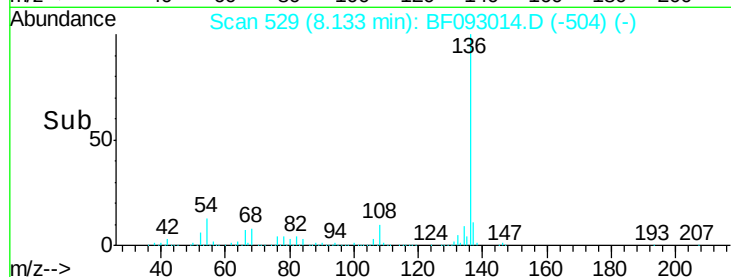


Abundance Ion 136.00 (135.70 to 136.70): E

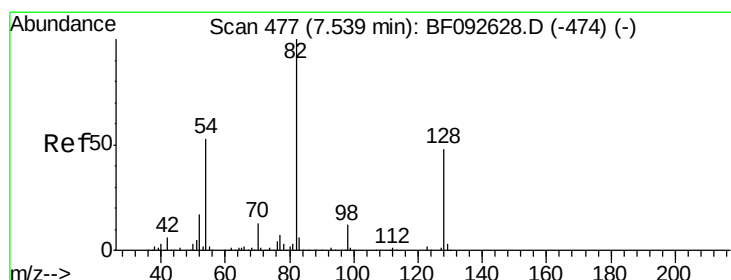
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#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

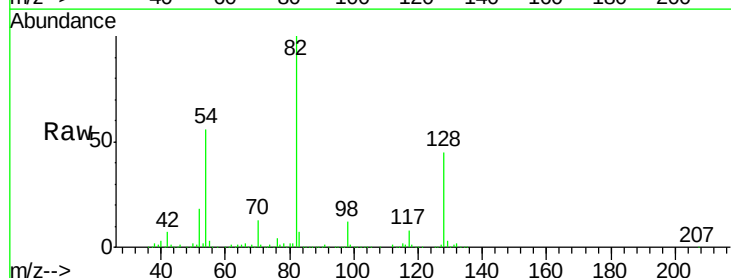
Tgt Ion: 82 Resp: 1144079

Ion Ratio Lower Upper

82 100

128 44.8 34.6 52.0

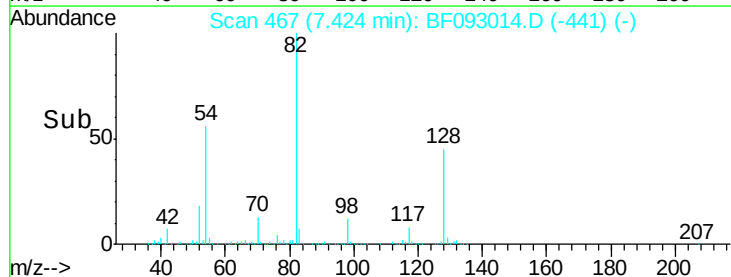
54 55.5 39.5 59.3



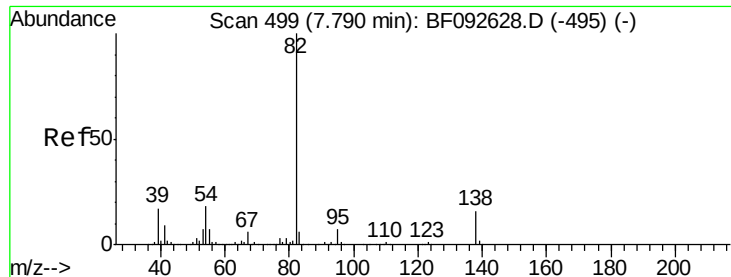
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 45.70 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.26 min

Lab File: BF093014.D

Acq: 17 Feb 2017 16:58

Instrument :

BNA_F

ClientSampleId :

MANHOLE-001

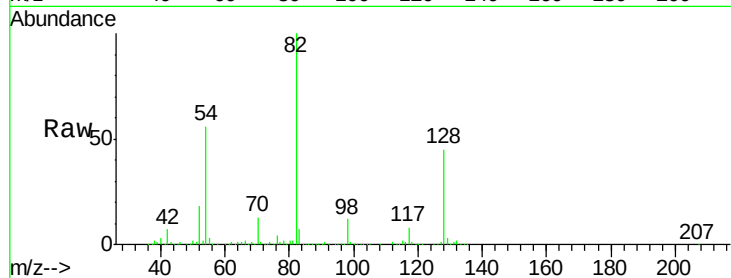
Tgt Ion: 82 Resp: 1084227

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

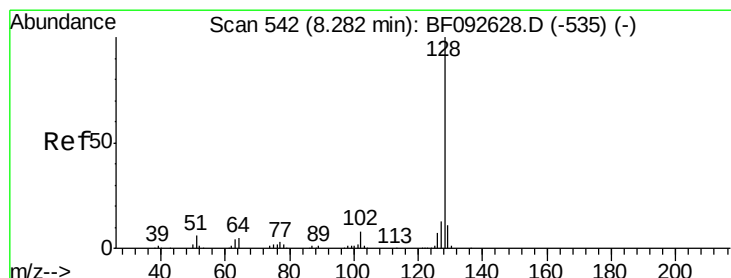
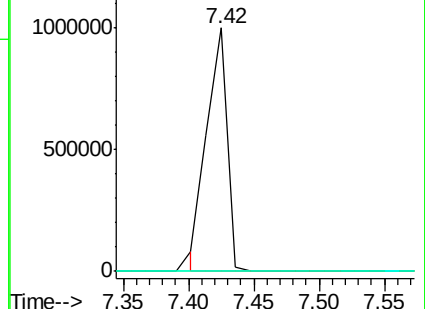
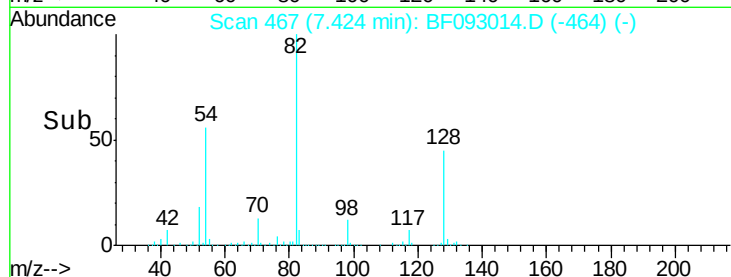
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): 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

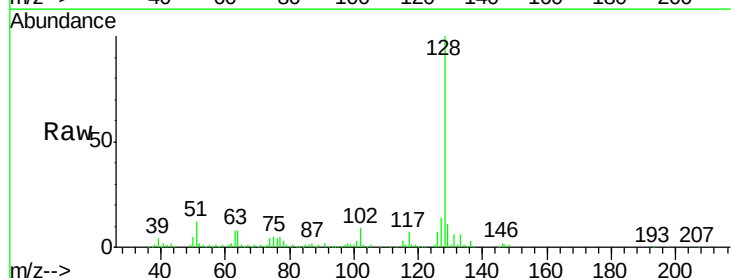
Tgt Ion: 128 Resp: 146783

Ion Ratio Lower Upper

128 100

129 11.4 9.5 14.3

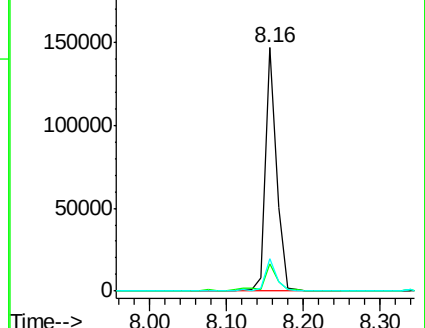
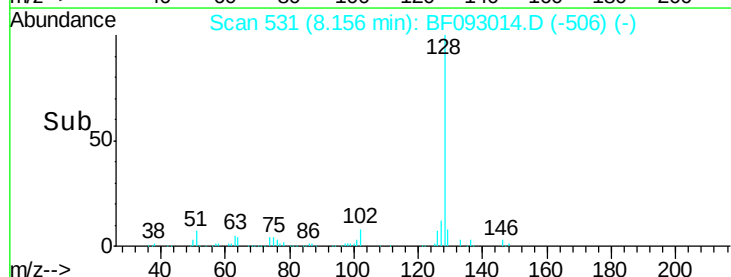
127 13.5 10.8 16.2

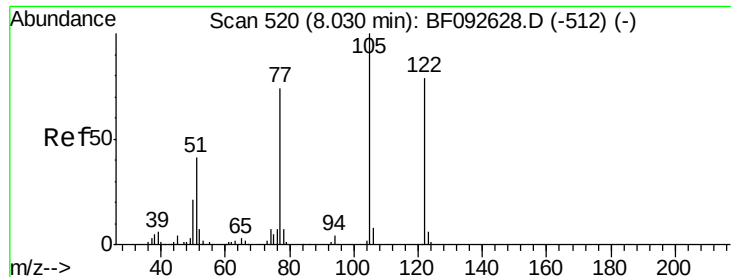


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 7.43 ng

RT: 7.94 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF093014.D

Acq: 17 Feb 2017 16:58

Instrument :

BNA_F

ClientSampleId :

MANHOLE-001

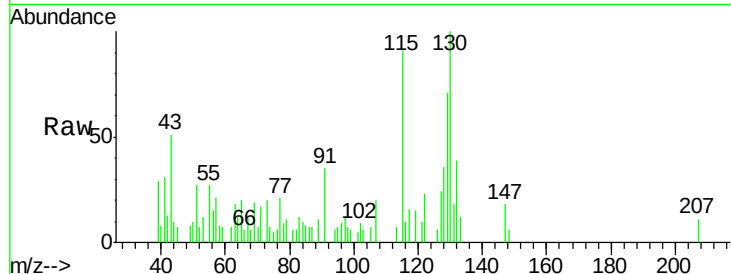
Tgt Ion:122 Resp: 1931

Ion Ratio Lower Upper

122 100

105 31.4 107.2 147.2#

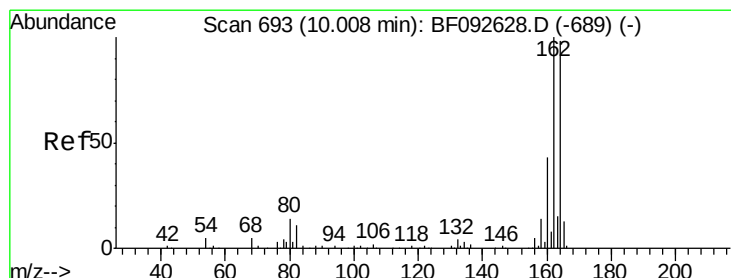
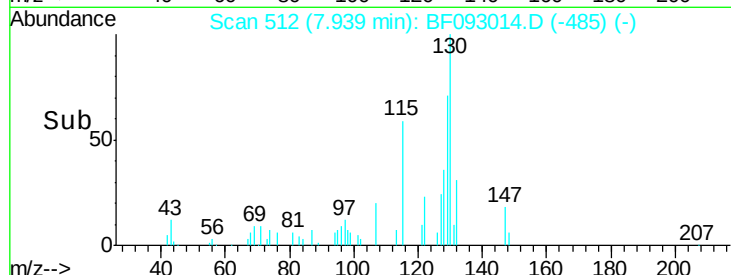
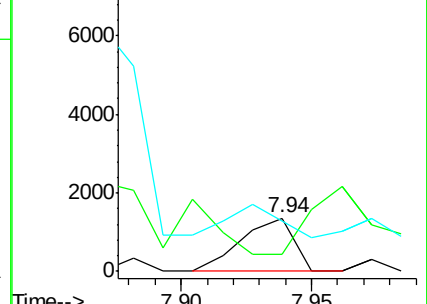
77 94.8 74.5 114.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): 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

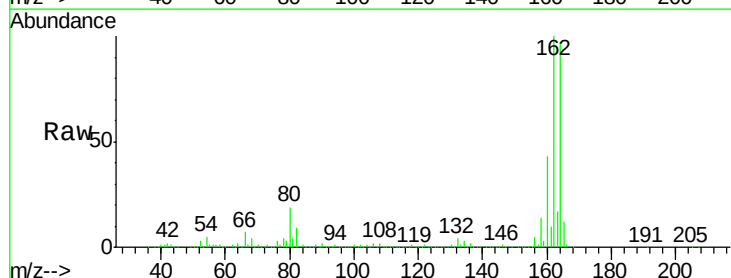
Tgt Ion:164 Resp: 411311

Ion Ratio Lower Upper

164 100

162 102.6 80.2 120.2

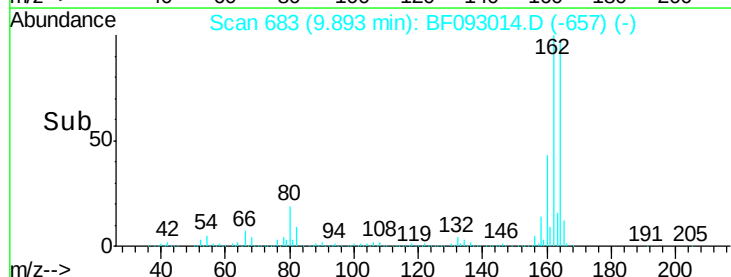
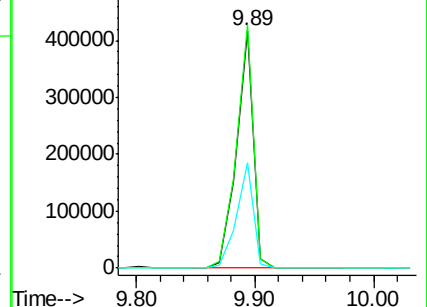
160 44.2 36.9 55.3

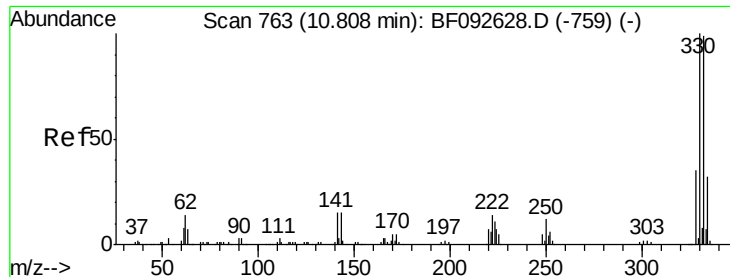


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

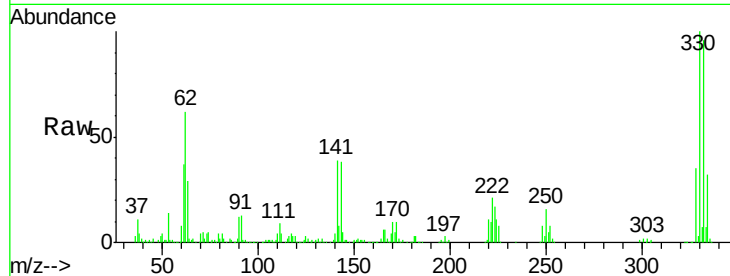




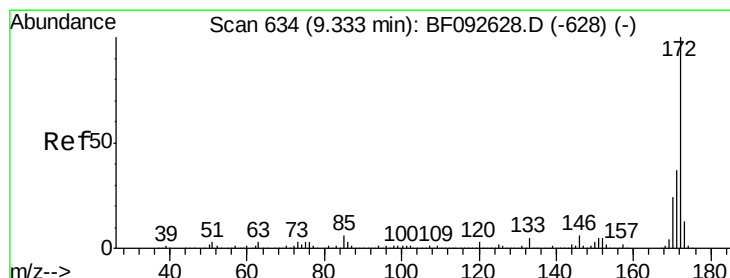
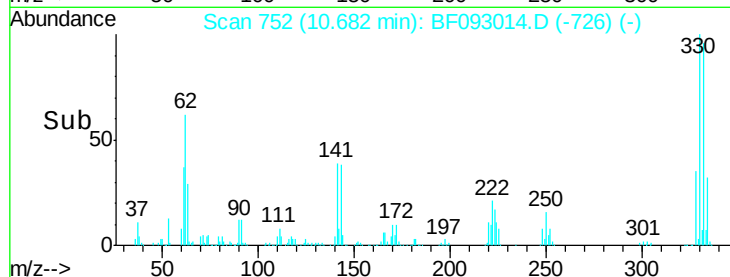
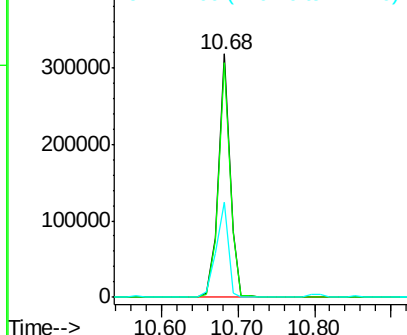
#41
 2,4,6-Tribromophenol
 Concen: 114.13 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093014.D
 Acq: 17 Feb 2017 16:58

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-001

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

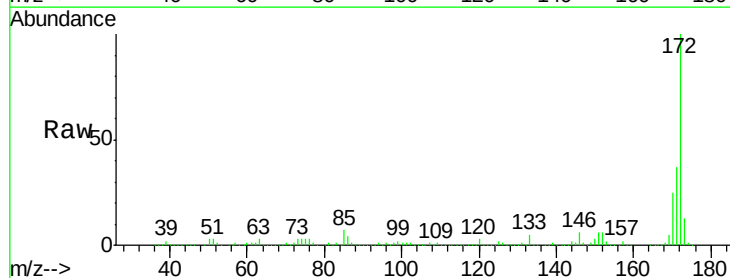


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

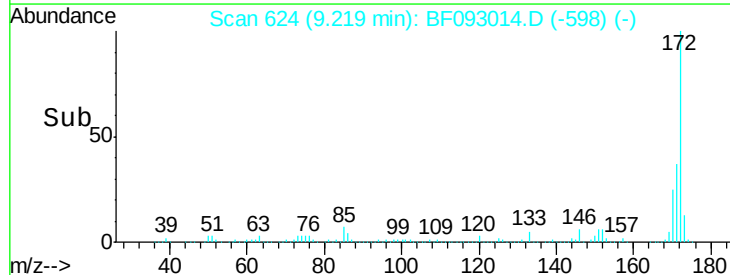
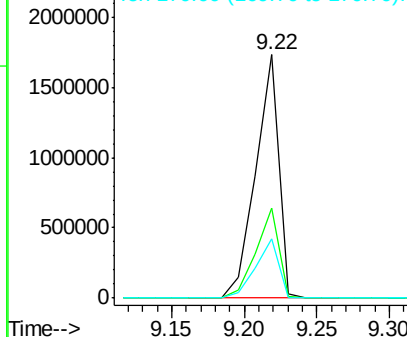


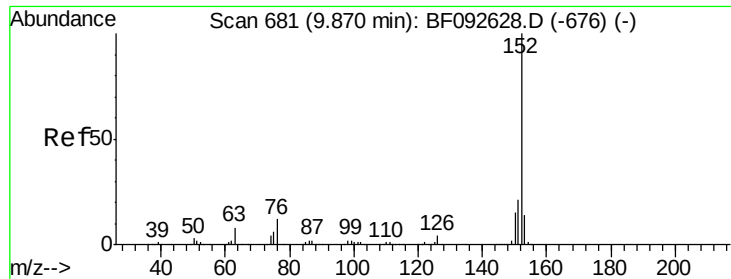
#44
 2-Fluorobiphenyl
 Concen: 84.54 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093014.D
 Acq: 17 Feb 2017 16:58

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





#48

Acenaphthylene

Concen: 12.99 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.17 min

Lab File: BF093014.D

Acq: 17 Feb 2017 16:58

Instrument :

BNA_F

ClientSampleId :

MANHOLE-001

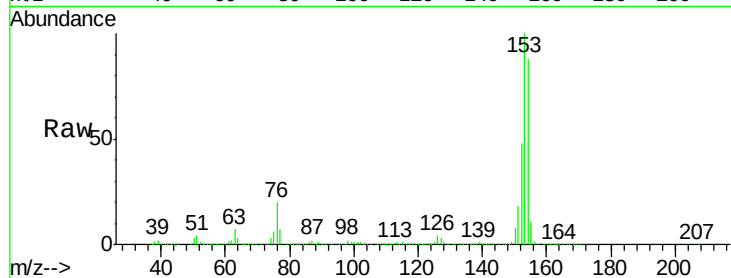
Tgt Ion:152 Resp: 522699

Ion Ratio Lower Upper

152 100

151 38.1 16.9 25.3#

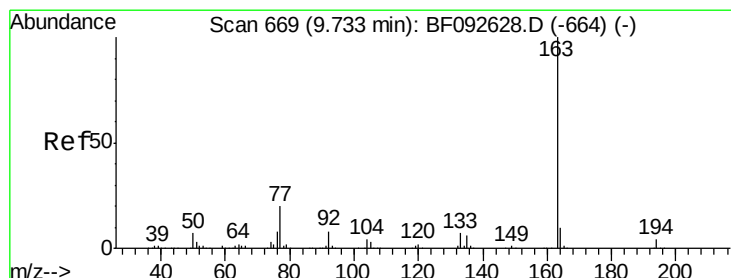
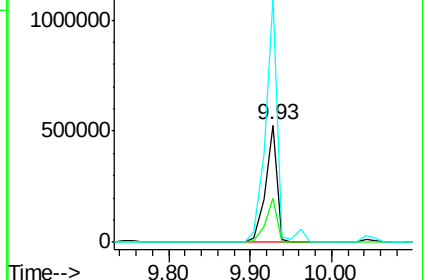
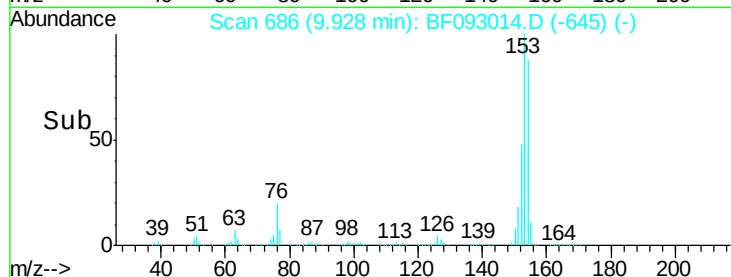
153 208.1 11.4 17.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): 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

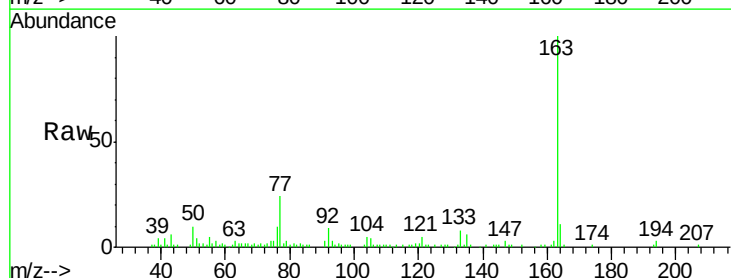
Tgt Ion:163 Resp: 56192

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.4

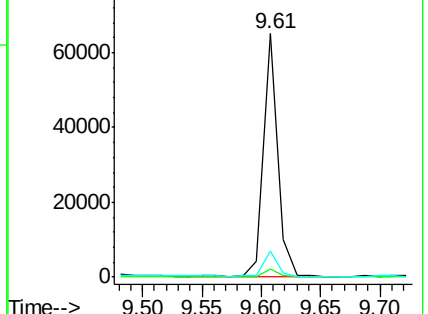
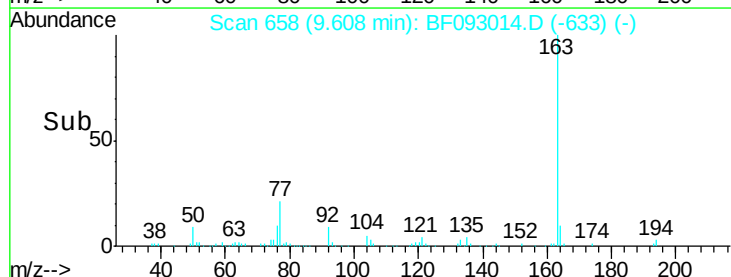
164 10.9 8.0 12.0

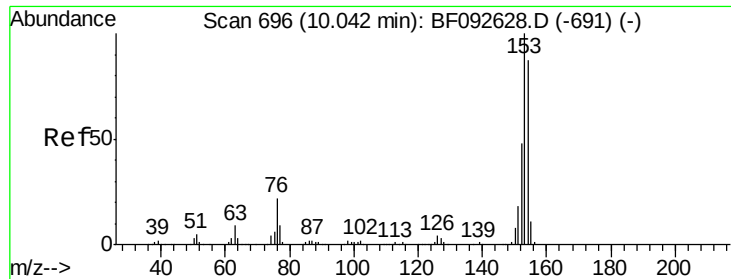


Abundance Ion 163.00 (162.70 to 163.70): E

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

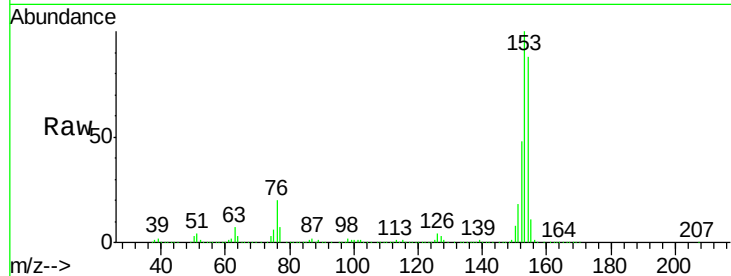
Tgt Ion:154 Resp: 953959

Ion Ratio Lower Upper

154 100

153 114.0 88.6 133.0

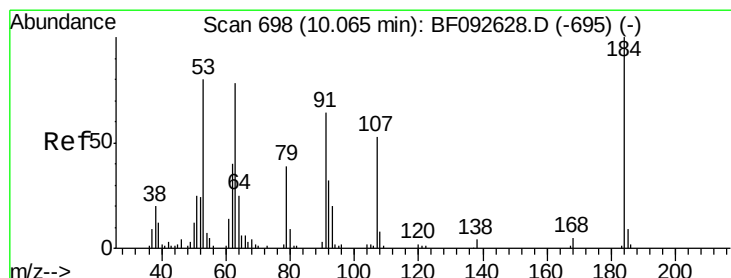
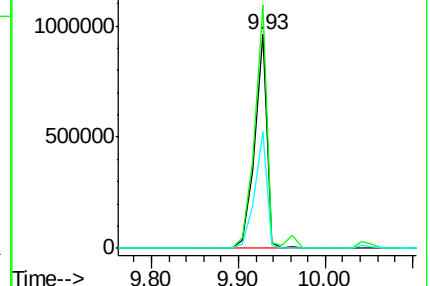
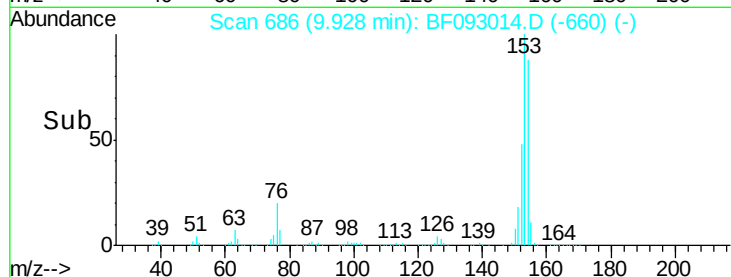
152 54.8 41.6 62.4



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



#53

2,4-Dinitrophenol

Concen: 4.84 ng

RT: 10.04 min Scan# 696

Delta R.T. 0.08 min

Lab File: BF093014.D

Acq: 17 Feb 2017 16:58

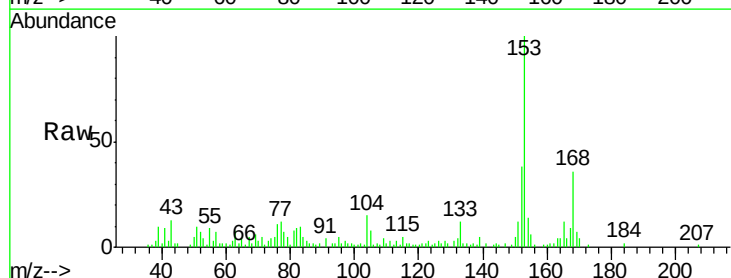
Tgt Ion:184 Resp: 349

Ion Ratio Lower Upper

184 100

63 480.0 28.4 42.6#

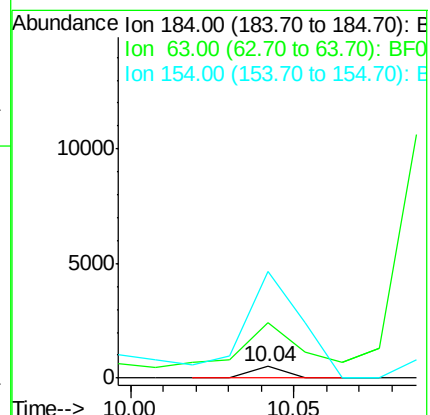
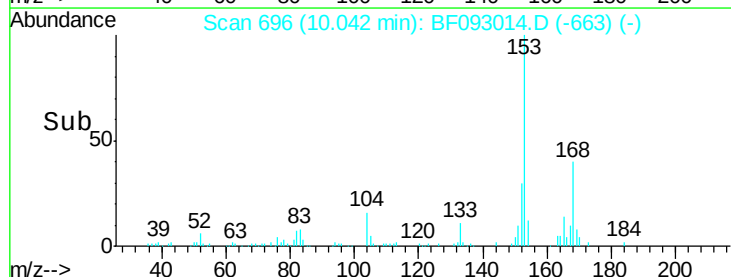
154 916.3 44.3 66.5#

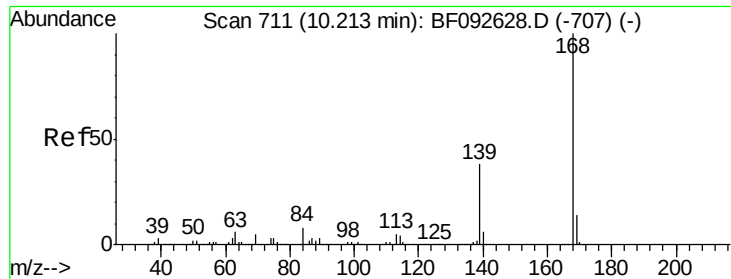


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

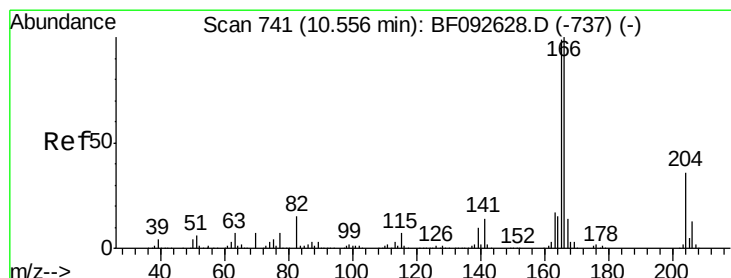
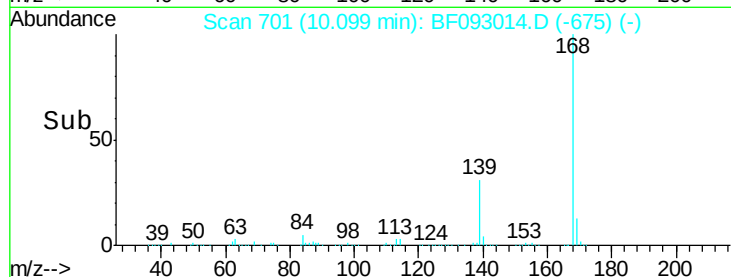
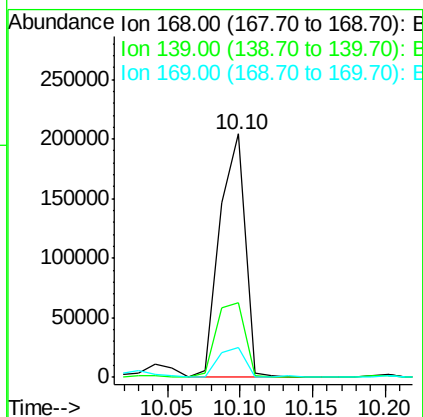
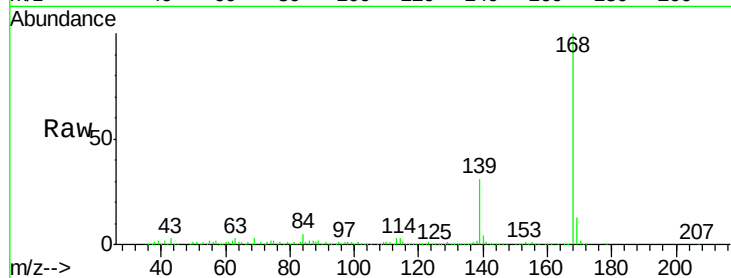




#54
Dibenzenofuran
Concen: 7.72 ng
RT: 10.10 min Scan# 701
Delta R.T. -0.00 min
Lab File: BF093014.D
Acq: 17 Feb 2017 16:58

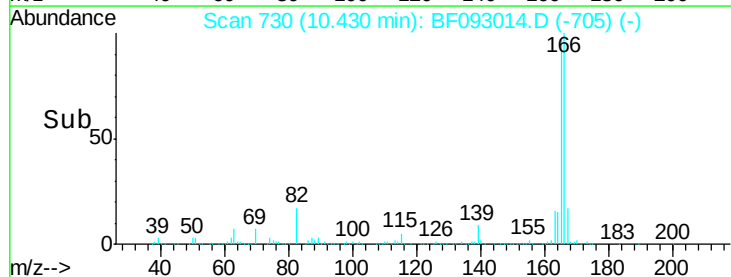
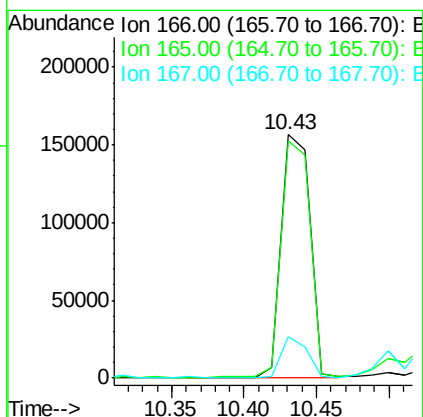
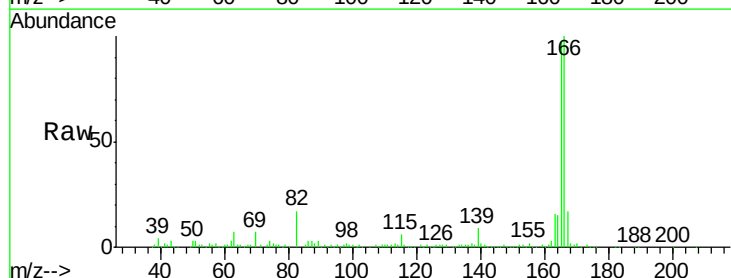
Instrument :
BNA_F
ClientSampleId :
MANHOLE-001

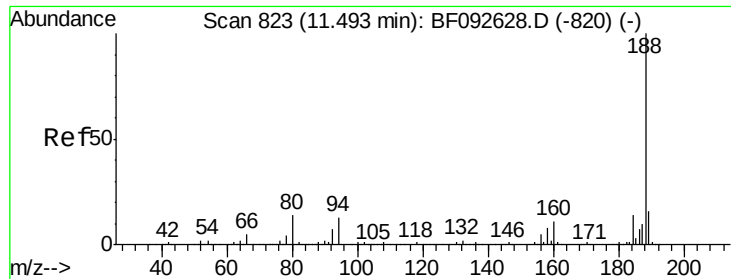
Tgt Ion:168 Resp: 248529
Ion Ratio Lower Upper
168 100
139 30.9 32.6 49.0#
169 12.5 11.3 16.9



#57
Fluorene
Concen: 8.74 ng
RT: 10.43 min Scan# 730
Delta R.T. -0.01 min
Lab File: BF093014.D
Acq: 17 Feb 2017 16:58

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#

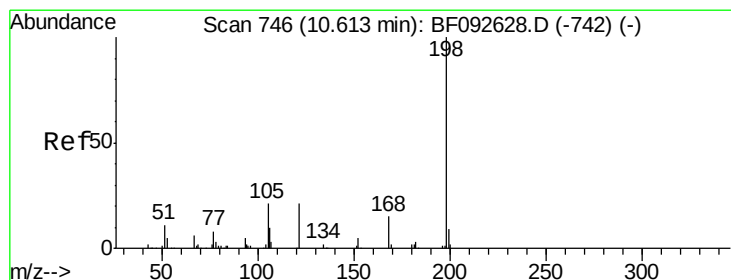
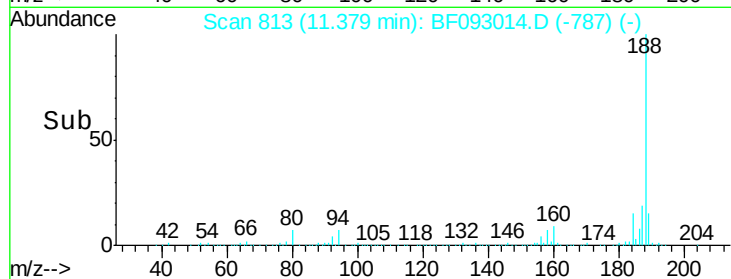
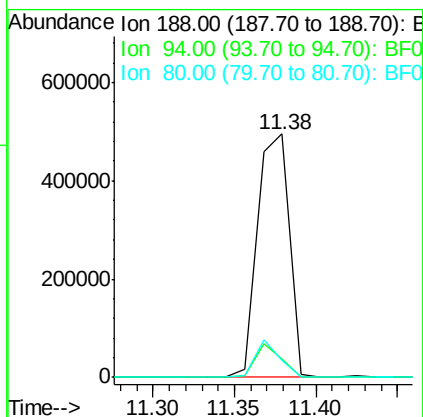
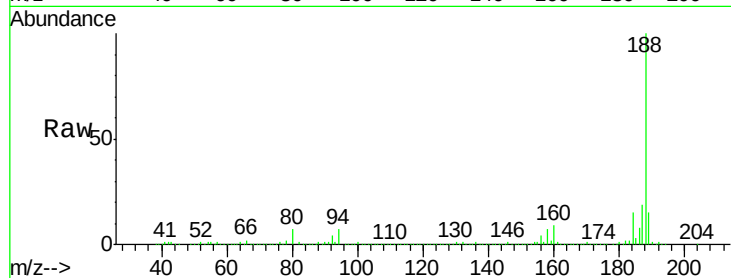




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF093014.D
Acq: 17 Feb 2017 16:58

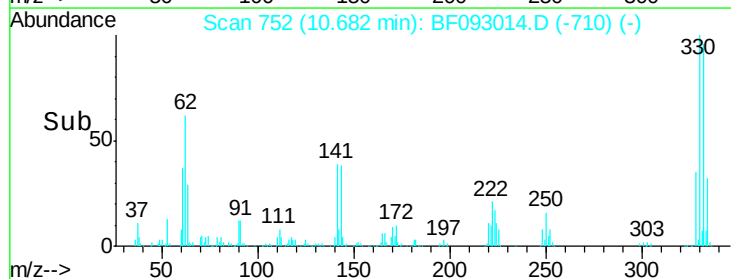
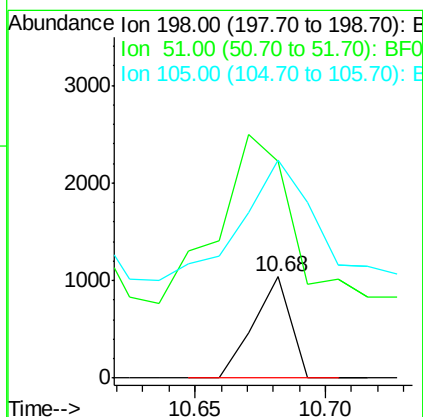
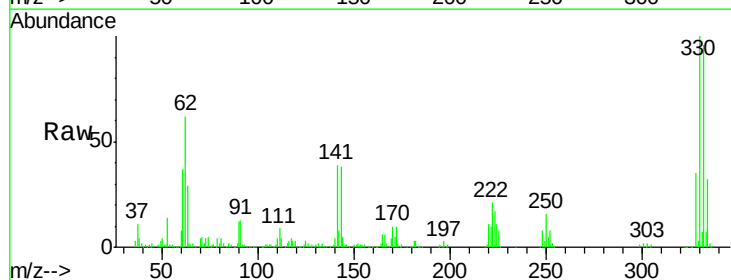
Instrument :
BNA_F
ClientSampleId :
MANHOLE-001

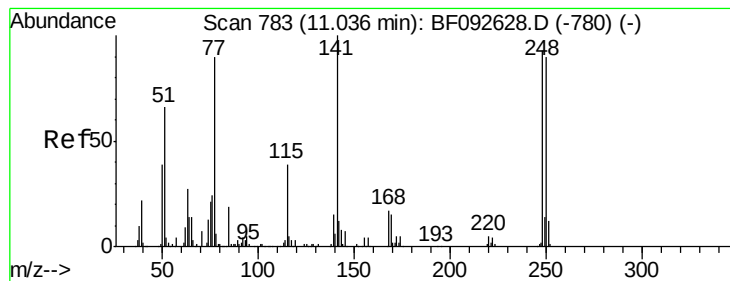
Tgt Ion:188 Resp: 672641
Ion Ratio Lower Upper
188 100
94 7.4 10.0 15.0#
80 7.0 11.2 16.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 2.91 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.18 min
Lab File: BF093014.D
Acq: 17 Feb 2017 16:58

Tgt Ion:198 Resp: 1025
Ion Ratio Lower Upper
198 100
51 213.9 6.7 46.7#
105 215.7 16.6 56.6#





#66

4-Bromophenyl-phenylether

Concen: 3.47 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.24 min

Lab File: BF093014.D

Acq: 17 Feb 2017 16:58

Instrument :

BNA_F

ClientSampleId :

MANHOLE-001

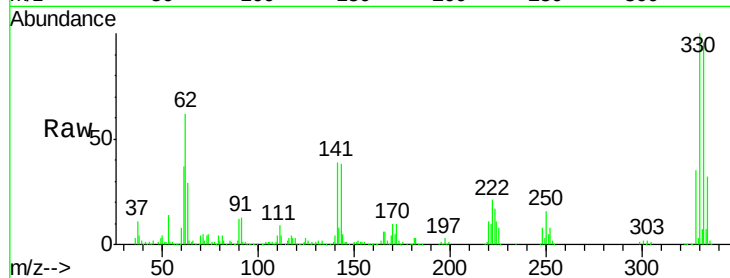
Tgt Ion:248 Resp: 24353

Ion Ratio Lower Upper

248 100

250 206.7 76.9 115.3#

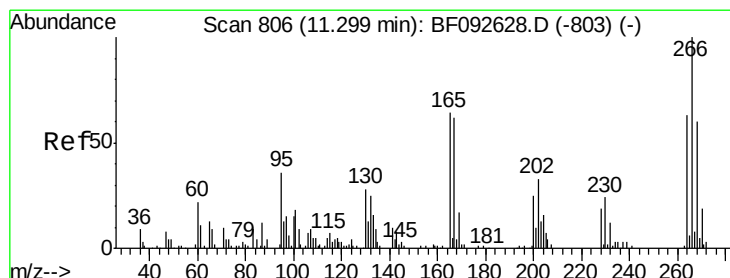
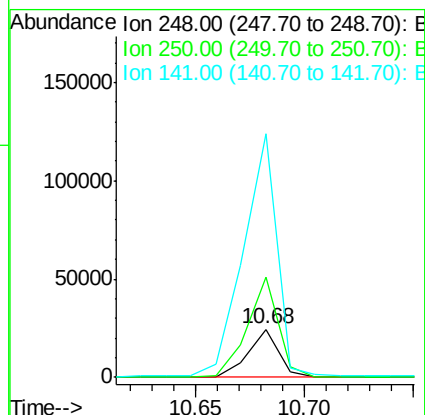
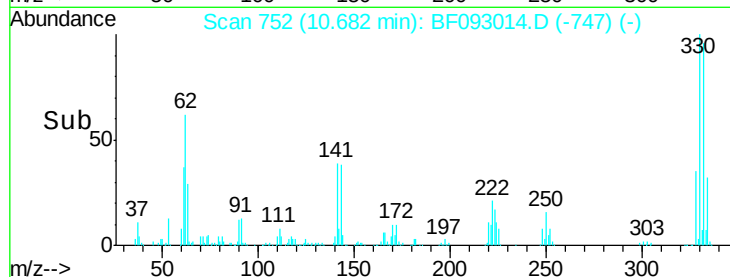
141 503.7 68.2 102.4#



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: 7.26 ng

RT: 11.18 min Scan# 796

Delta R.T. -0.00 min

Lab File: BF093014.D

Acq: 17 Feb 2017 16:58

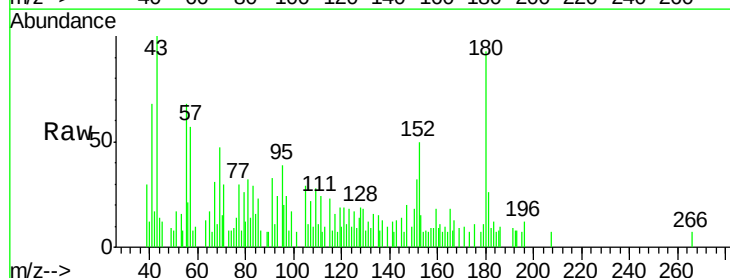
Tgt Ion:266 Resp: 210

Ion Ratio Lower Upper

266 100

268 0.0 53.3 79.9#

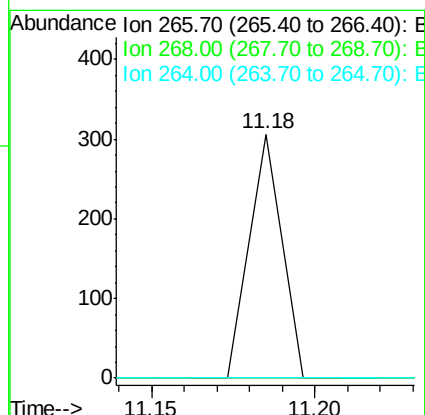
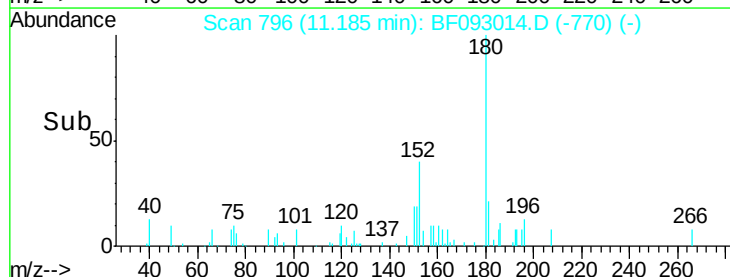
264 0.0 50.3 75.5#

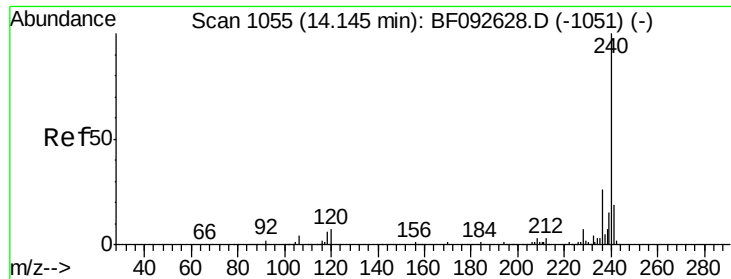


Abundance Ion 265.70 (265.40 to 266.40): E

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: 14.01 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

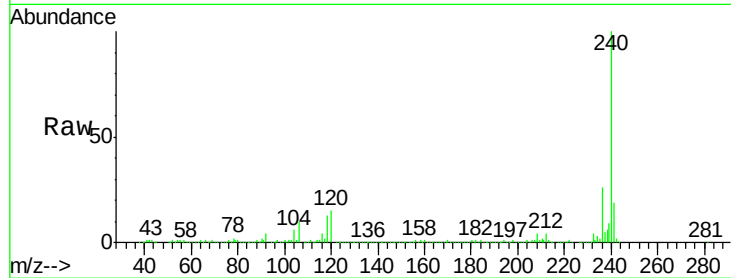
Tgt Ion:240 Resp: 537208

Ion Ratio Lower Upper

240 100

120 14.6 12.9 19.3

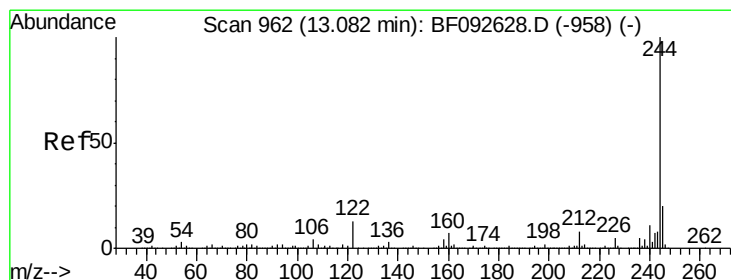
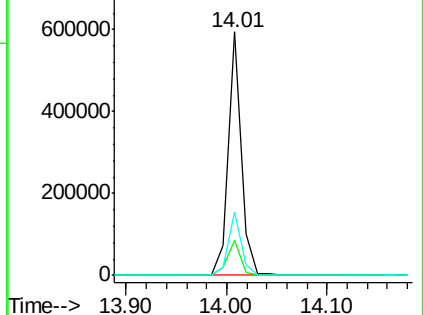
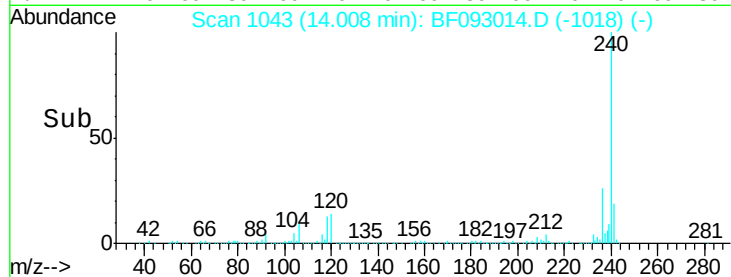
236 25.8 20.9 31.3



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

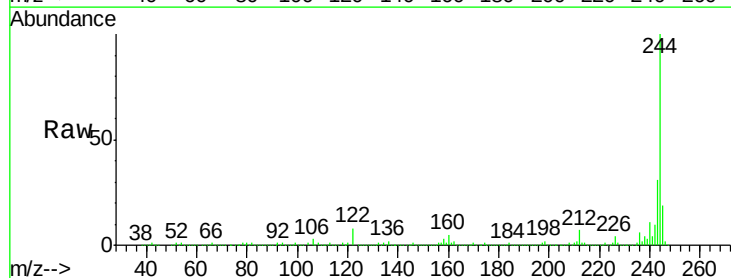
Tgt Ion:244 Resp: 1658384

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

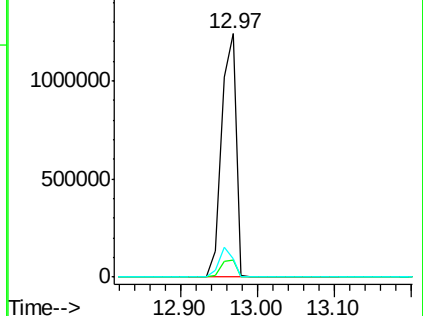
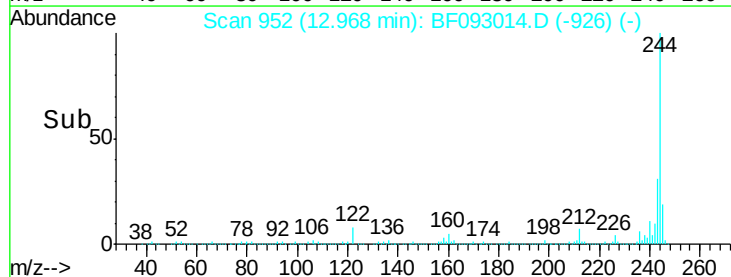
122 7.7 11.4 17.2#

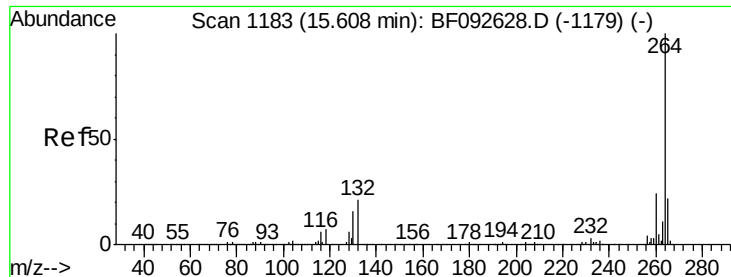


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

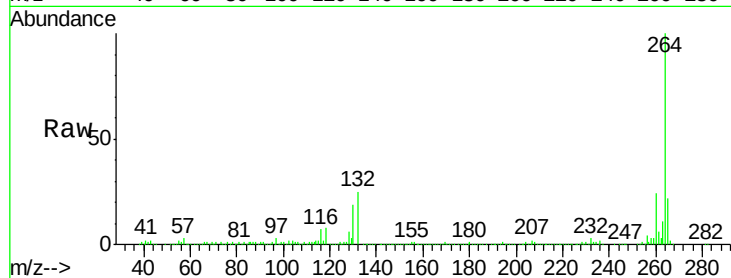




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093014.D
Acq: 17 Feb 2017 16:58

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

