

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102016\
 Data File : BF090685.D
 Acq On : 20 Oct 2016 16:36
 Operator : UM/SJ
 Sample : H5315-04 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FO-TANK-SIDEWALL-SOUTH

Quant Time: Oct 20 18:01:20 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 19 15:13:23 2016
 Response via : Initial Calibration

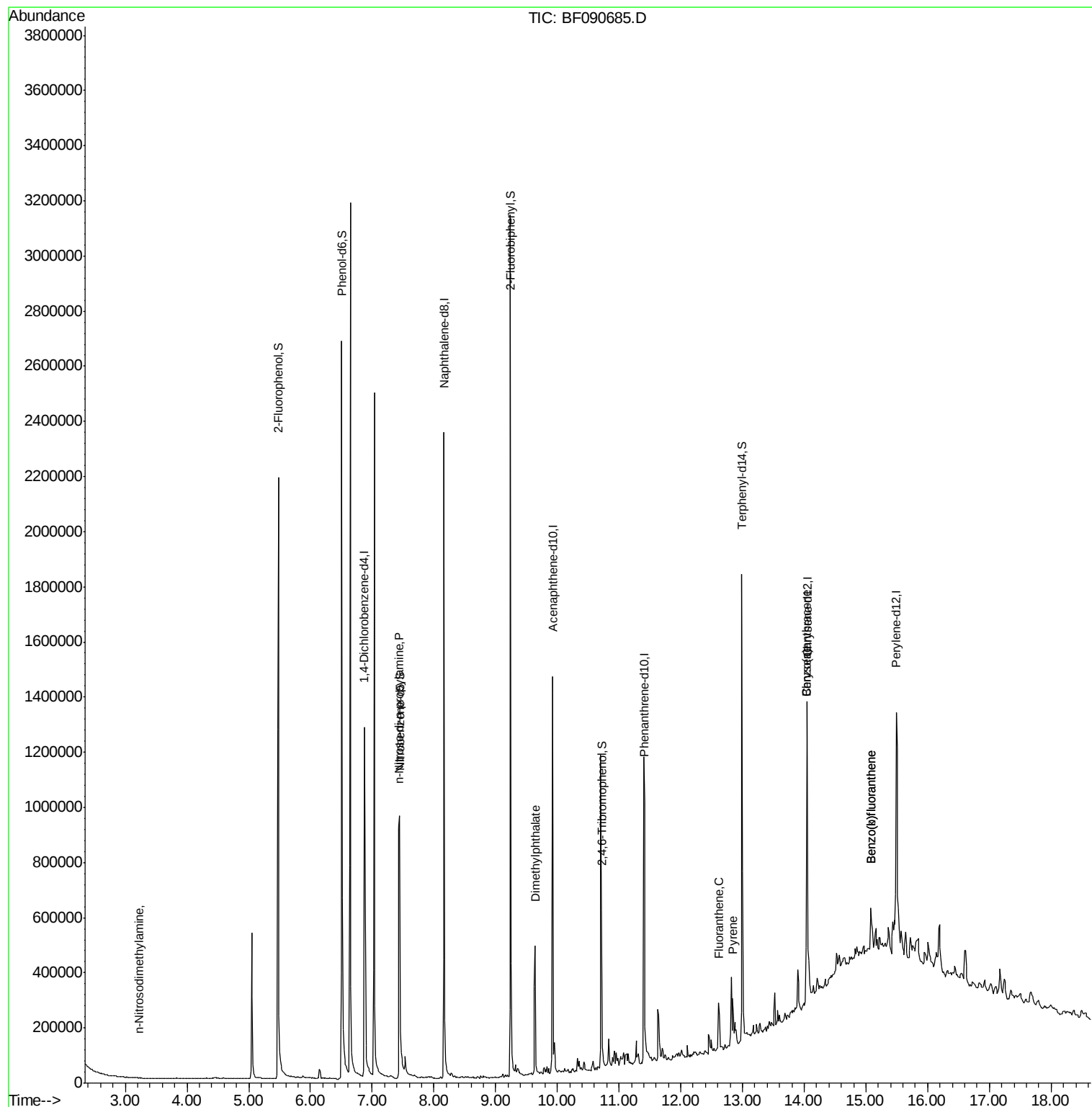
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	221078	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	1038234	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	451438	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	592126	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	512862	20.00	ng	-0.01
86) Perylene-d12	15.49	264	455012	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	770933	63.93	ng	-0.01
7) Phenol-d6	6.51	99	986190	55.04	ng	-0.02
23) Nitrobenzene-d5	7.45	82	602026	32.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	130397	32.40	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	864323	31.55	ng	-0.02
78) Terphenyl-d14	12.99	244	515795	23.42	ng	-0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.23	42	740	7.28	ng	# 1
19) n-Nitroso-di-n-propylamine	7.43	70	64043	5.21	ng	# 87
49) Dimethylphthalate	9.64	163	240742	8.22	ng	# 96
74) Fluoranthene	12.61	202	92633	2.91	ng	89
77) Pyrene	12.84	202	86026	2.53	ng	96
80) Benzo(a)anthracene	14.04	228	69698	2.39	ng	94
82) Chrysene	14.04	228	69698	2.48	ng	96
87) Benzo(b)fluoranthene	15.08	252	100294	3.37	ng	# 87
88) Benzo(k)fluoranthene	15.08	252	100294	3.13	ng	# 85

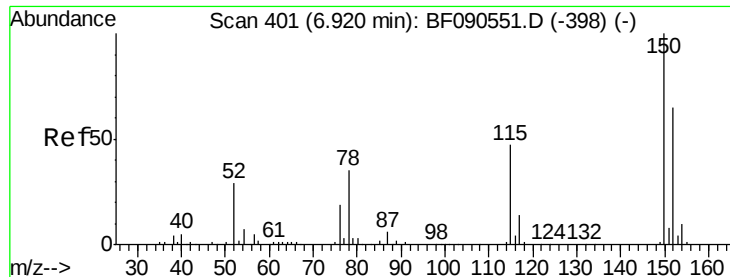
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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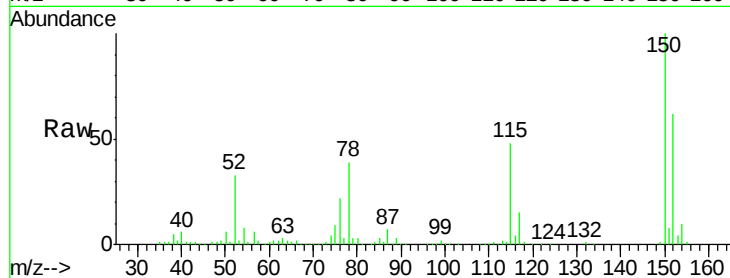


#1

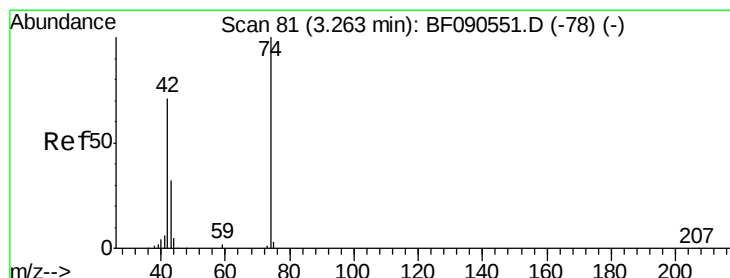
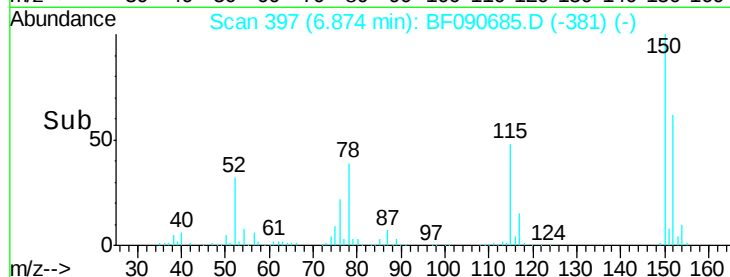
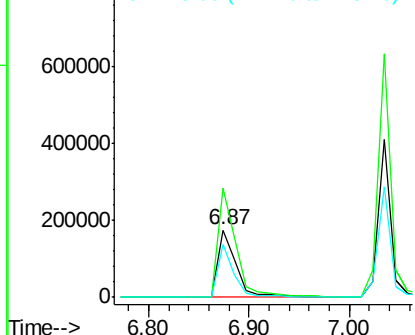
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 397
Delta R.T. -0.01 min
Lab File: BF090685.D
Acq: 20 Oct 2016 16:36

Instrument :
BNA_F
ClientSampleId :
FO-TANK-SIDEWALL-SOUTH

Tgt Ion: 152 Resp: 221078
Ion Ratio Lower Upper
152 100
150 161.9 127.2 190.8
115 77.9 58.6 88.0



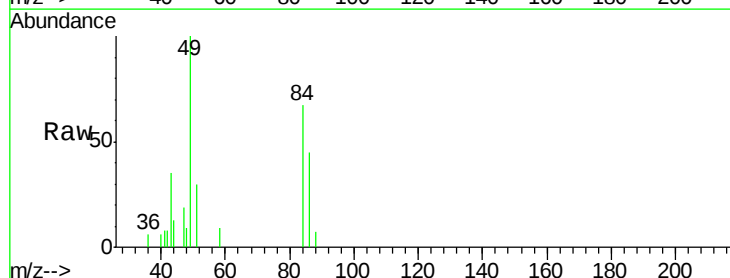
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



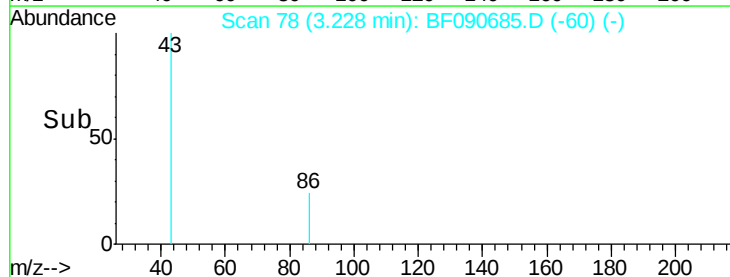
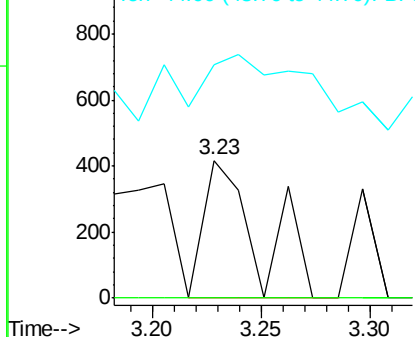
#4

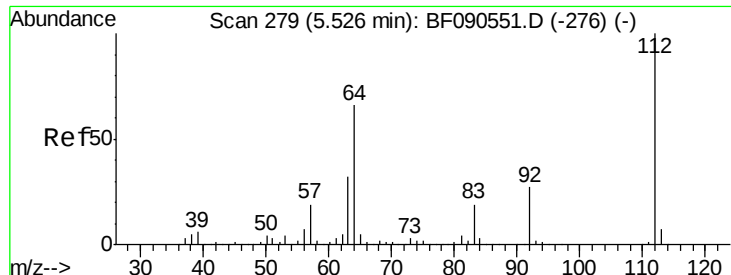
n-Nitrosodimethylamine
Concen: 7.28 ng
RT: 3.23 min Scan# 78
Delta R.T. 0.01 min
Lab File: BF090685.D
Acq: 20 Oct 2016 16:36

Tgt Ion: 42 Resp: 740
Ion Ratio Lower Upper
42 100
74 0.0 113.3 169.9#
44 169.5 6.0 9.0#



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 63.93 ng

RT: 5.48 min Scan# 275

Delta R.T. -0.01 min

Lab File: BF090685.D

Acq: 20 Oct 2016 16:36

Instrument :

BNA_F

ClientSampleId :

FO-TANK-SIDEWALL-SOUTH

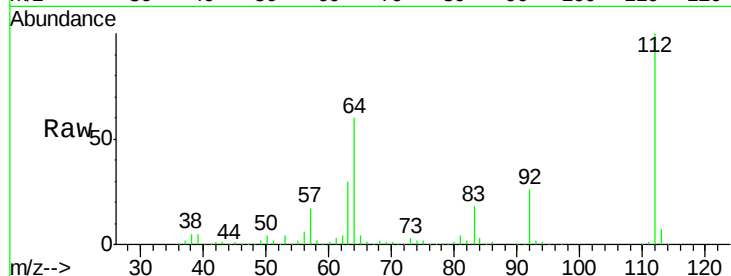
Tgt Ion: 112 Resp: 770933

Ion Ratio Lower Upper

112 100

64 59.8 52.6 78.8

63 29.7 26.0 39.0

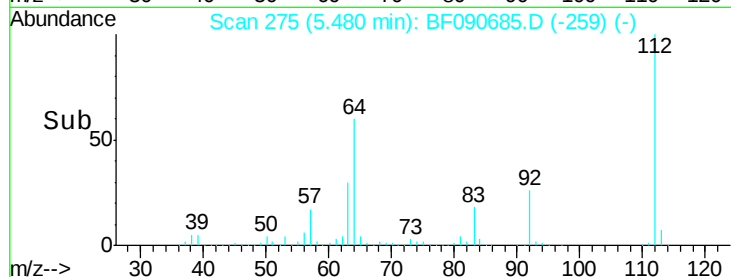


Abundance Ion 112.00 (111.70 to 112.70): B

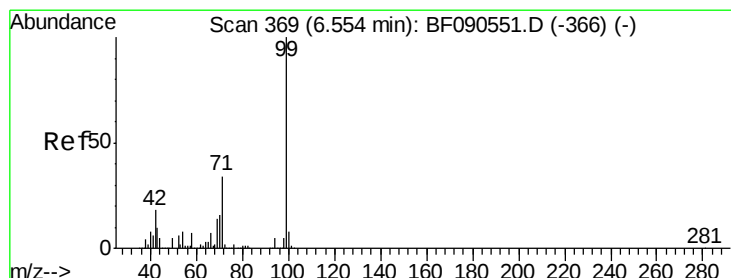
Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

5.48



Time-->



#7

Phenol-d6

Concen: 55.04 ng

RT: 6.51 min Scan# 365

Delta R.T. -0.02 min

Lab File: BF090685.D

Acq: 20 Oct 2016 16:36

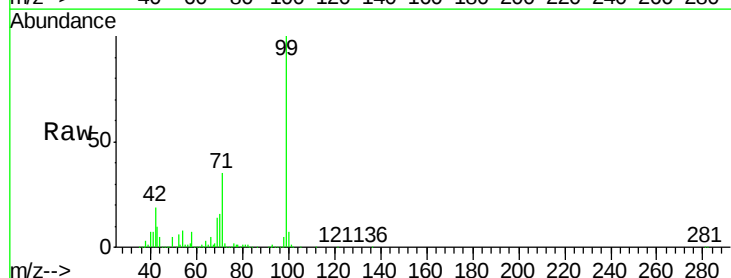
Tgt Ion: 99 Resp: 986190

Ion Ratio Lower Upper

99 100

42 18.8 14.7 22.1

71 35.5 27.6 41.4

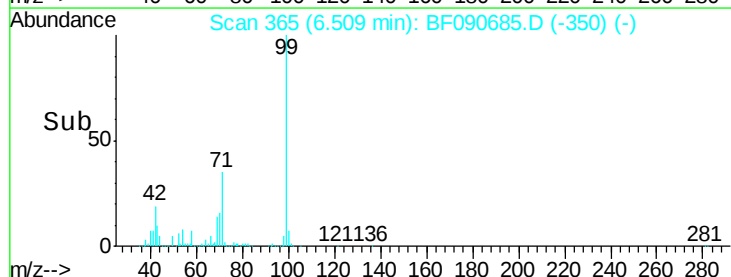


Abundance Ion 99.00 (98.70 to 99.70): BF0

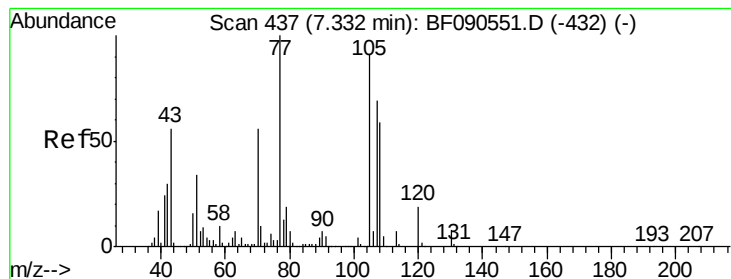
Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

6.51



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 5.21 ng

RT: 7.43 min Scan# 446

Delta R.T. 0.13 min

Lab File: BF090685.D

Acq: 20 Oct 2016 16:36

Instrument :

BNA_F

ClientSampleId :

FO-TANK-SIDEWALL-SOUTH

Tgt Ion: 70 Resp: 64043

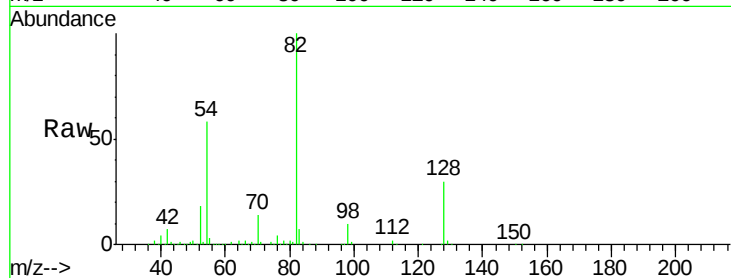
Ion Ratio Lower Upper

70 100

42 50.2 43.4 65.0

101 0.0 6.4 9.6#

130 1.5 12.1 18.1#

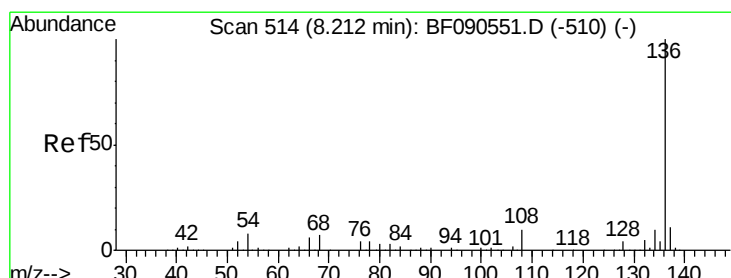
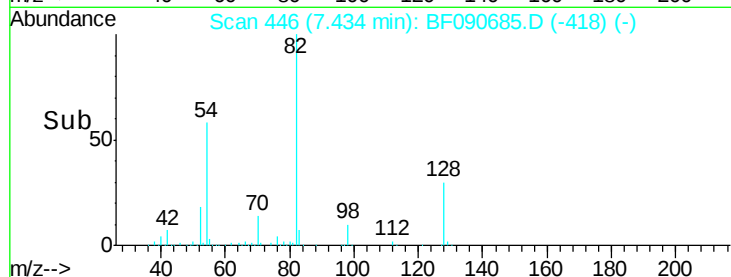
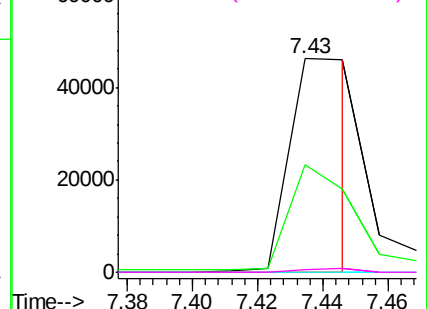


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.17 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF090685.D

Acq: 20 Oct 2016 16:36

Tgt Ion:136 Resp: 1038234

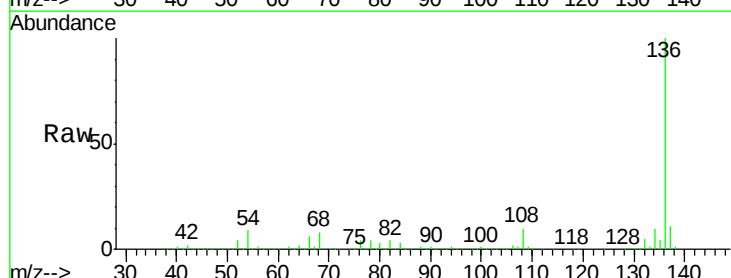
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.7 6.8 10.2

68 7.5 6.0 9.0

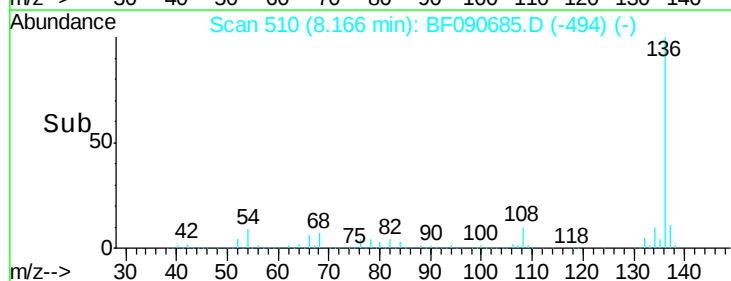
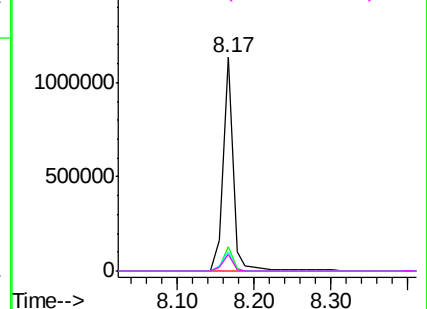


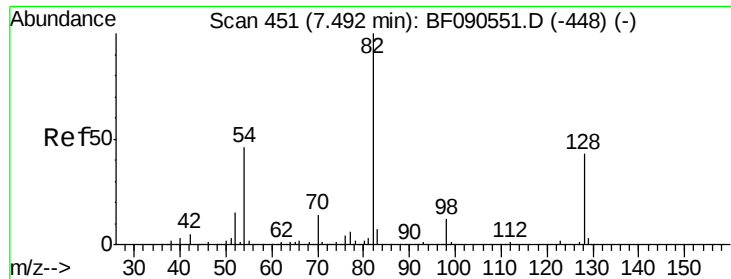
Abundance Ion 136.00 (135.70 to 136.70): E

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

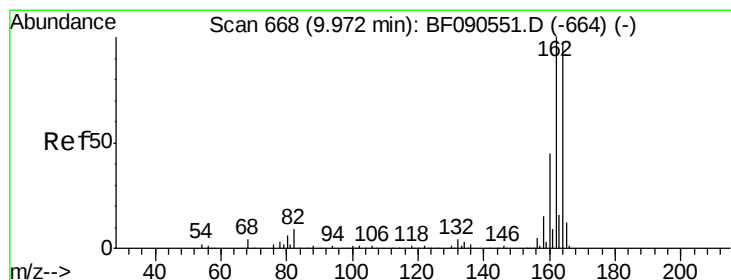
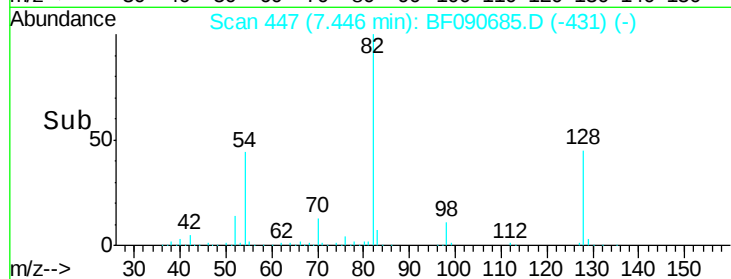
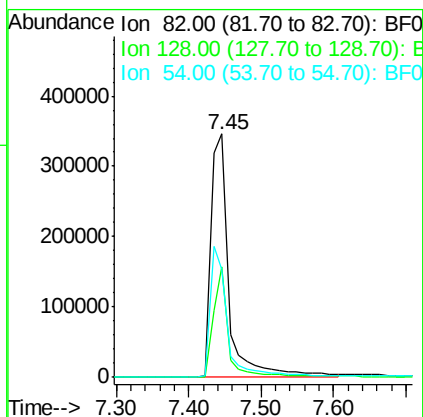
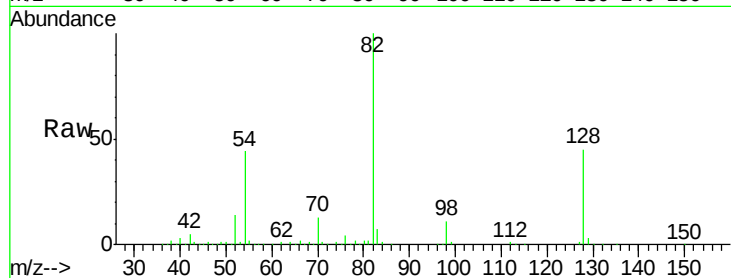




#23
 Nitrobenzene-d5
 Concen: 32.21 ng
 RT: 7.45 min Scan# 447
 Delta R.T. -0.01 min
 Lab File: BF090685.D
 Acq: 20 Oct 2016 16:36

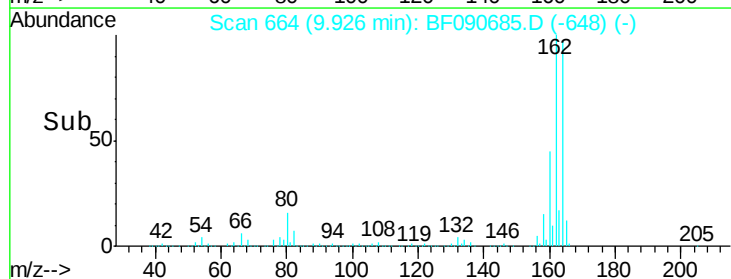
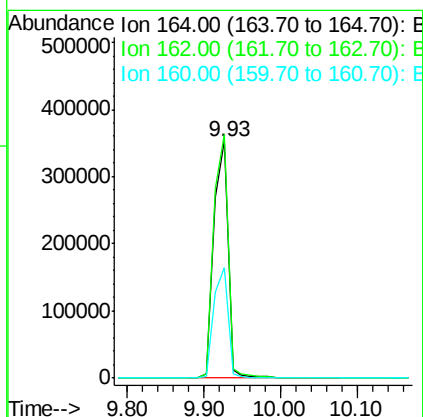
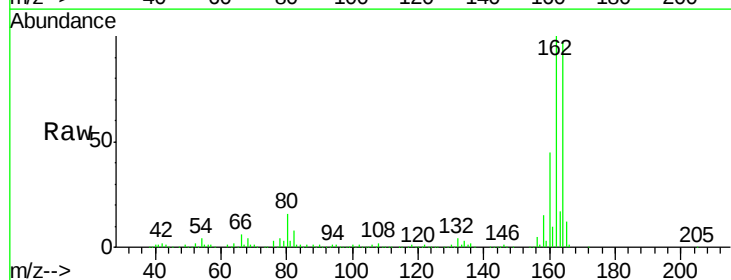
Instrument :
 BNA_F
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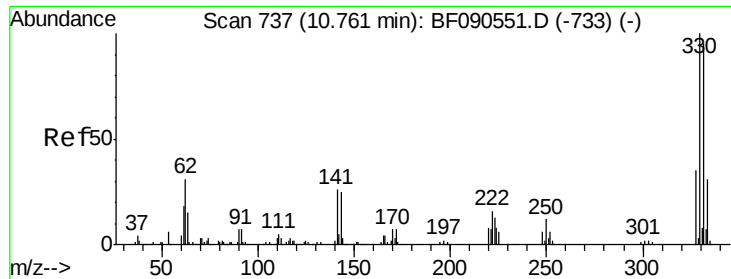
Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.3	51.5
54	44.5	37.0	55.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 664
 Delta R.T. -0.01 min
 Lab File: BF090685.D
 Acq: 20 Oct 2016 16:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.2	123.4
160	46.8	36.6	55.0

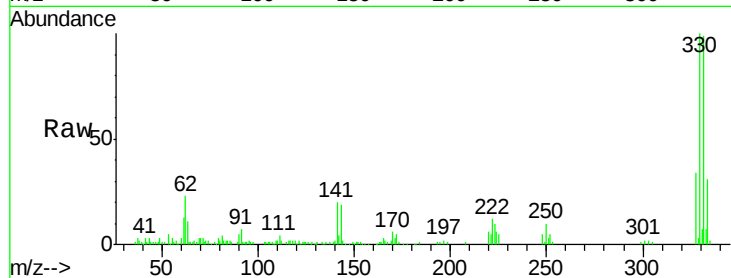




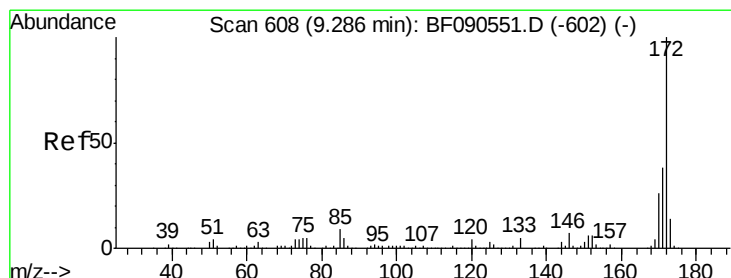
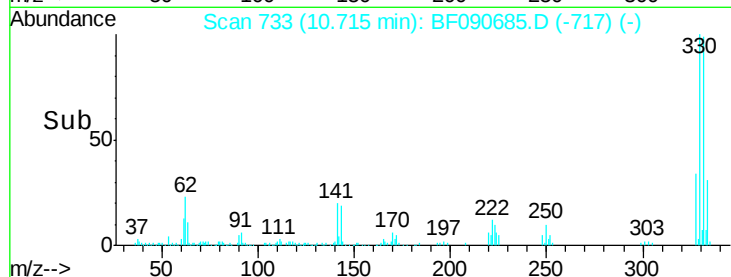
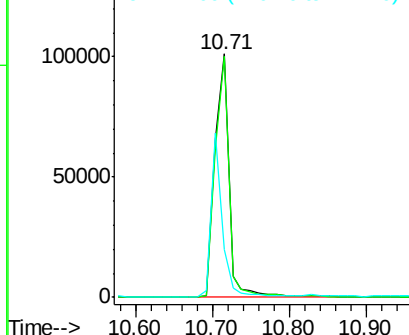
#41
 2,4,6-Tribromophenol
 Concen: 32.40 ng
 RT: 10.71 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: BF090685.D
 Acq: 20 Oct 2016 16:36

Instrument :
 BNA_F
 ClientSampleId :
 FO-TANK-SIDEWALL-SOUTH

Tgt Ion:330 Resp: 130397
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.2 114.2
 141 54.4 31.4 47.2#

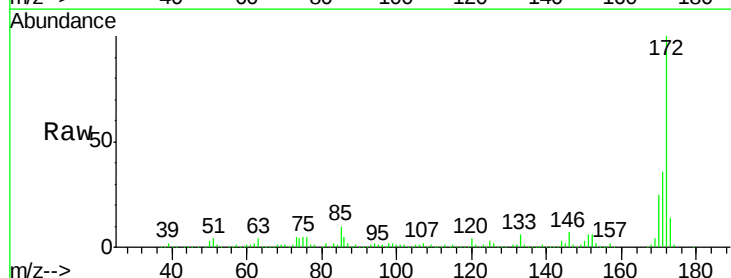


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

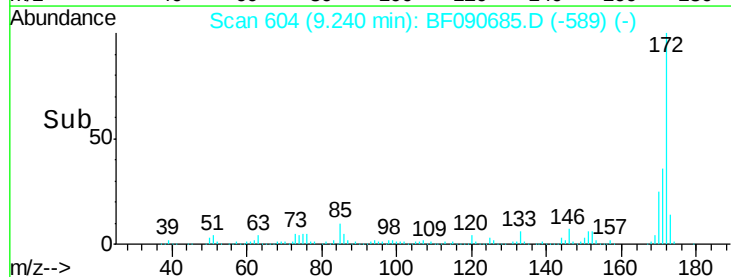
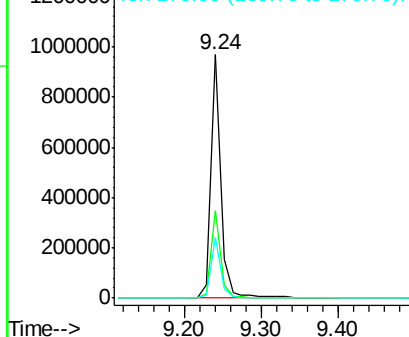


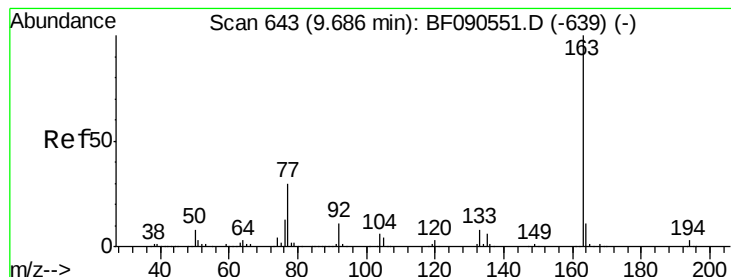
#44
 2-Fluorobiphenyl
 Concen: 31.55 ng
 RT: 9.24 min Scan# 604
 Delta R.T. -0.02 min
 Lab File: BF090685.D
 Acq: 20 Oct 2016 16:36

Tgt Ion:172 Resp: 864323
 Ion Ratio Lower Upper
 172 100
 171 36.0 30.1 45.1
 170 25.0 20.6 30.8



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: 8.22 ng

RT: 9.64 min Scan# 639

Delta R.T. -0.02 min

Lab File: BF090685.D

Acq: 20 Oct 2016 16:36

Instrument :

BNA_F

ClientSampleId :

FO-TANK-SIDEWALL-SOUTH

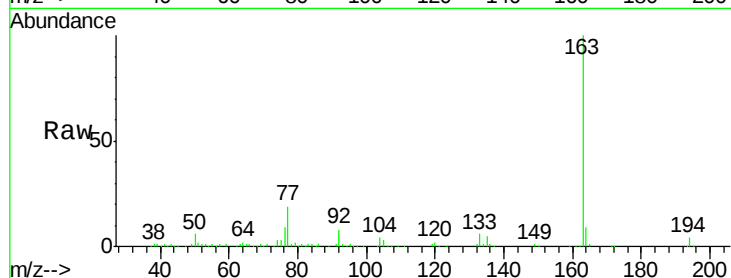
Tgt Ion:163 Resp: 240742

Ion Ratio Lower Upper

163 100

194 3.5 2.3 3.5#

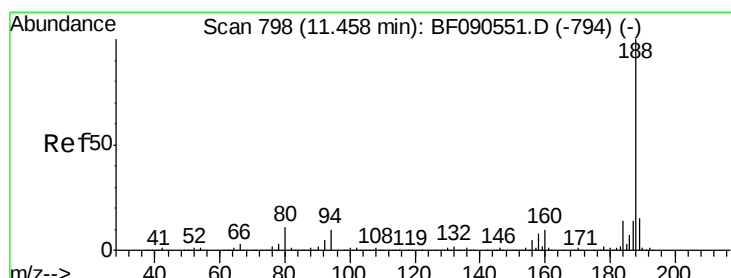
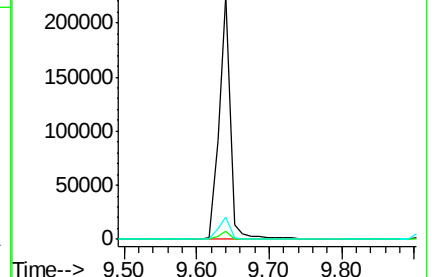
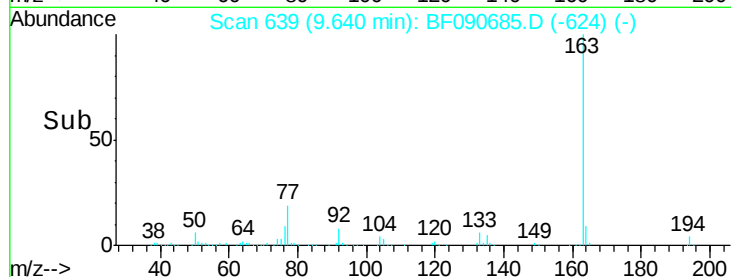
164 9.2 8.6 13.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF090685.D

Acq: 20 Oct 2016 16:36

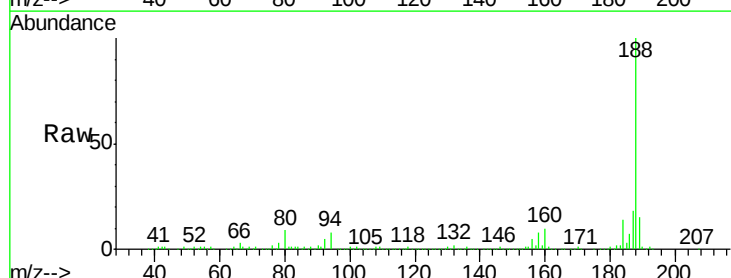
Tgt Ion:188 Resp: 592126

Ion Ratio Lower Upper

188 100

94 8.2 7.7 11.5

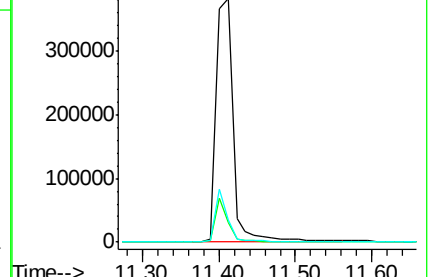
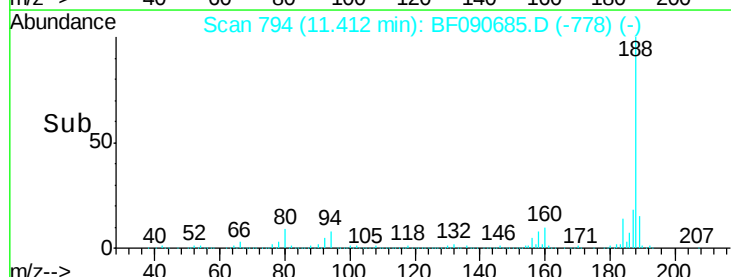
80 9.3 8.6 12.8

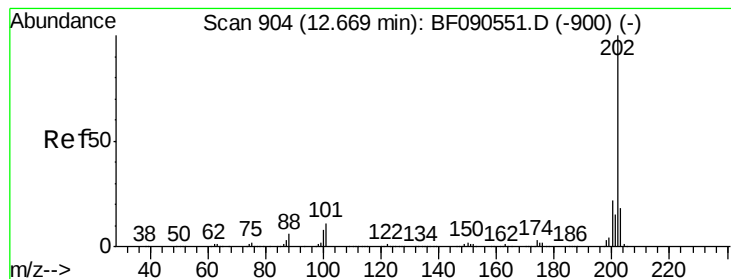


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.91 ng

RT: 12.61 min Scan# 899

Delta R.T. -0.02 min

Lab File: BF090685.D

Acq: 20 Oct 2016 16:36

Instrument :

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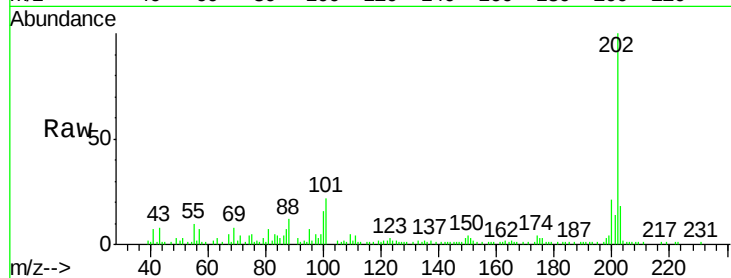
Tgt Ion:202 Resp: 92633

Ion Ratio Lower Upper

202 100

101 22.1 0.0 31.1

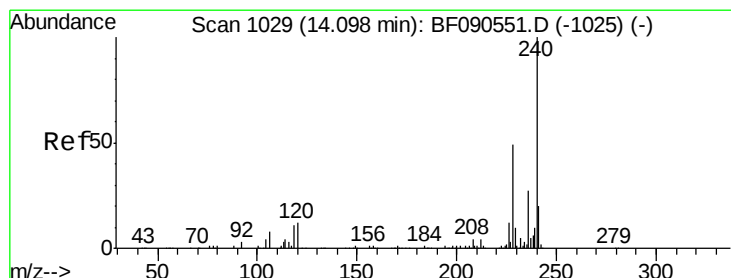
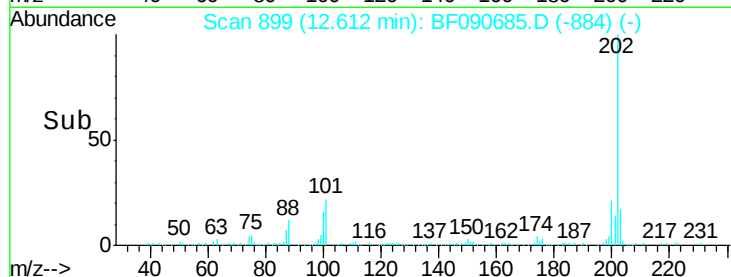
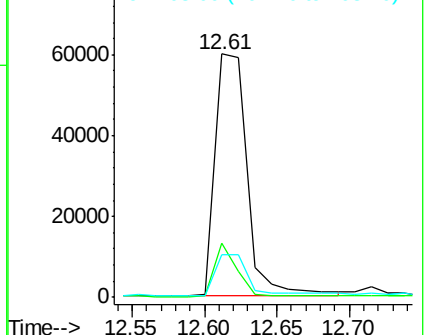
203 17.7 0.0 38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF090685.D

Acq: 20 Oct 2016 16:36

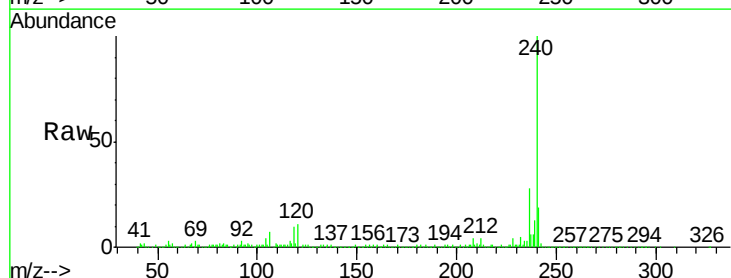
Tgt Ion:240 Resp: 512862

Ion Ratio Lower Upper

240 100

120 10.8 9.8 14.8

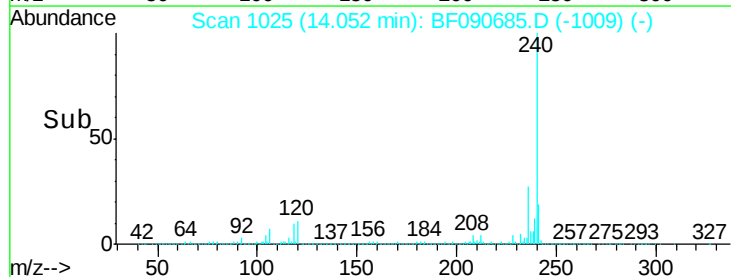
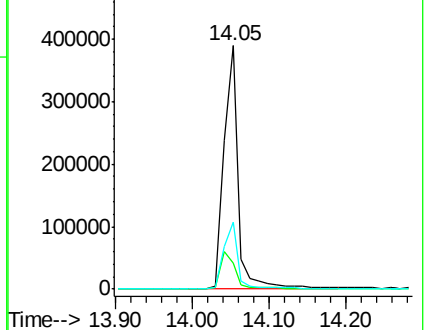
236 27.5 21.7 32.5

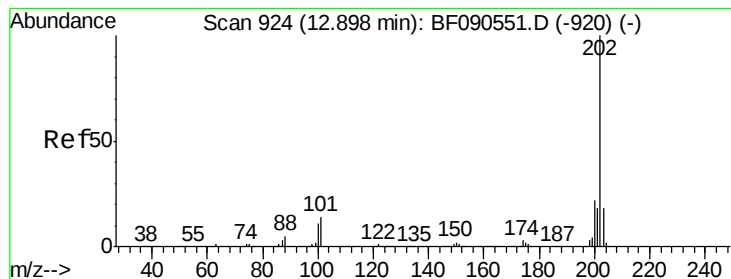


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.53 ng

RT: 12.84 min Scan# 919

Delta R.T. -0.02 min

Lab File: BF090685.D

Acq: 20 Oct 2016 16:36

Instrument :

BNA_F

ClientSampleId :

FO-TANK-SIDEWALL-SOUTH

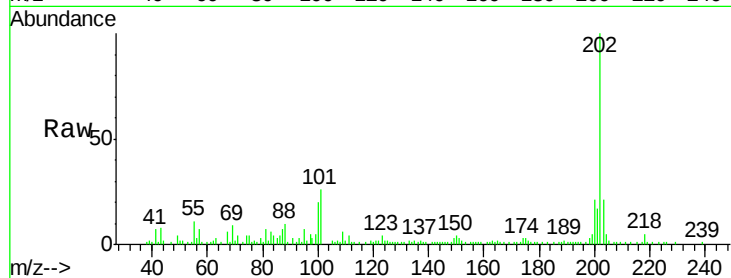
Tgt Ion: 202 Resp: 86026

Ion Ratio Lower Upper

202 100

200 21.2 17.8 26.6

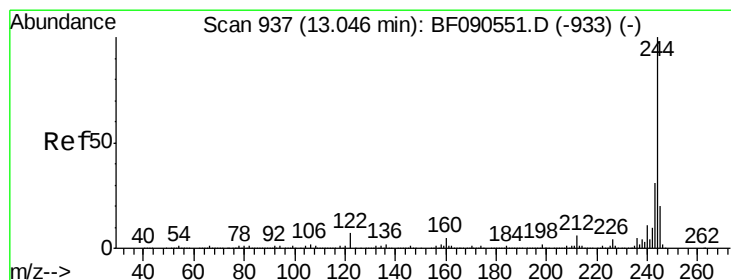
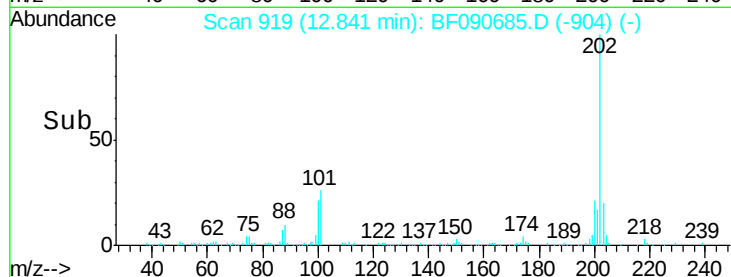
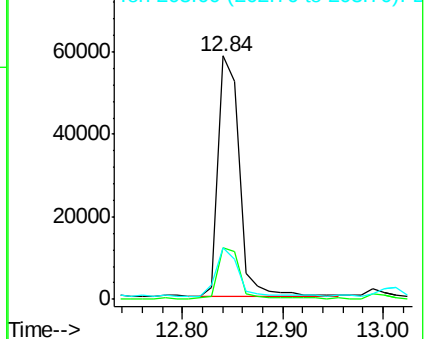
203 21.1 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 23.42 ng

RT: 12.99 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF090685.D

Acq: 20 Oct 2016 16:36

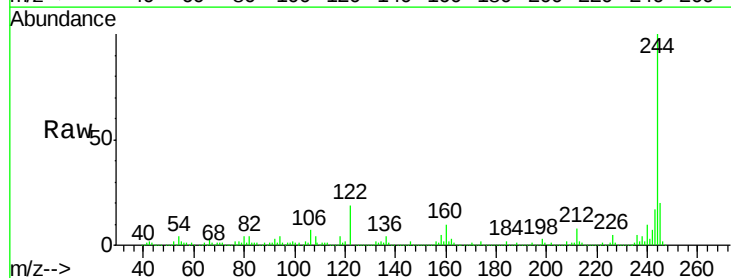
Tgt Ion: 244 Resp: 515795

Ion Ratio Lower Upper

244 100

212 7.8 5.0 7.4#

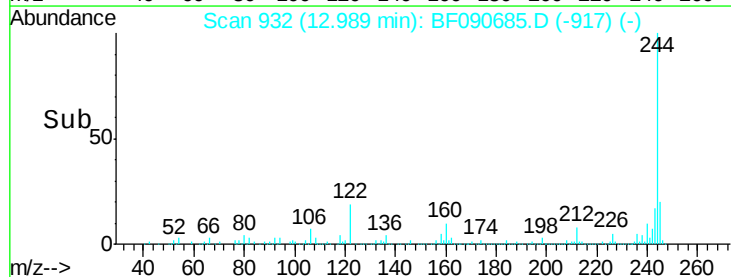
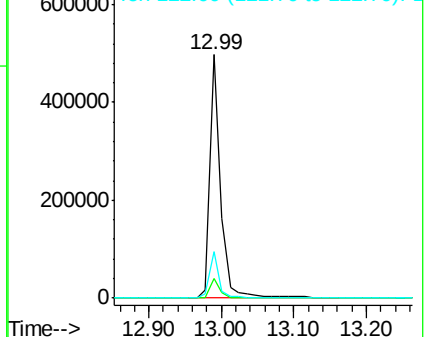
122 19.0 5.6 8.4#

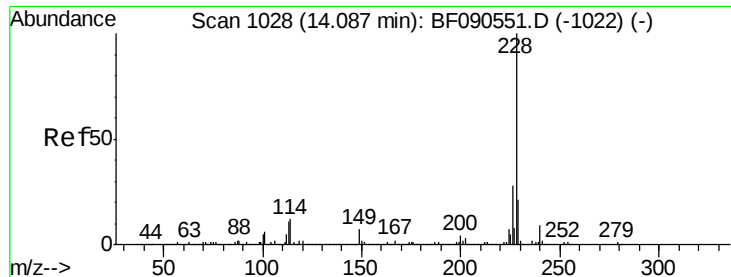


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.39 ng

RT: 14.04 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF090685.D

Acq: 20 Oct 2016 16:36

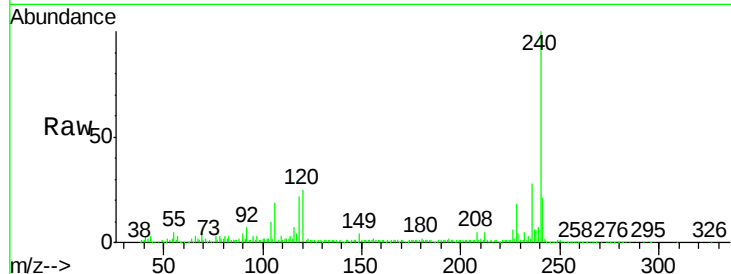
Instrument :

BNA_F

ClientSampleId :

FO-TANK-SIDEWALL-SOUTH

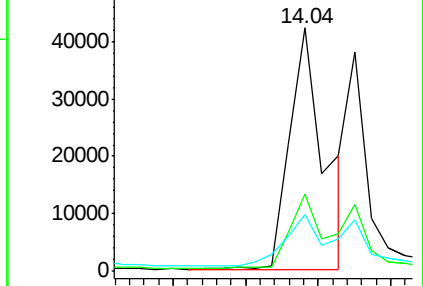
Tgt Ion:	228	Resp:	69698
Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.8	34.2
229	23.4	16.6	25.0



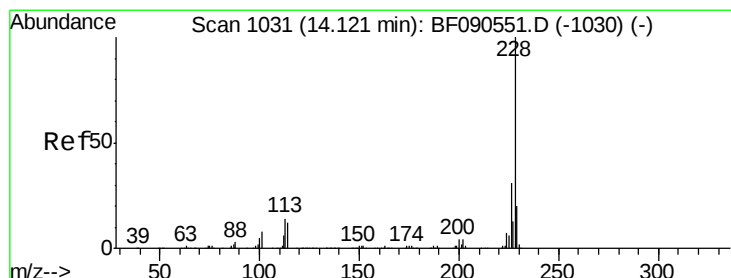
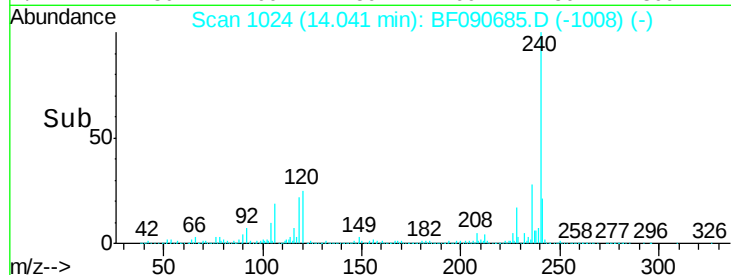
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

Chrysene

Concen: 2.48 ng

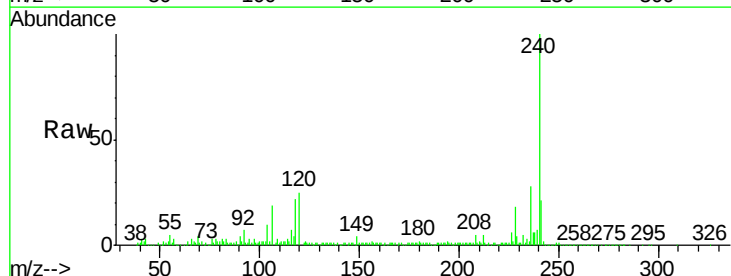
RT: 14.04 min Scan# 1024

Delta R.T. -0.06 min

Lab File: BF090685.D

Acq: 20 Oct 2016 16:36

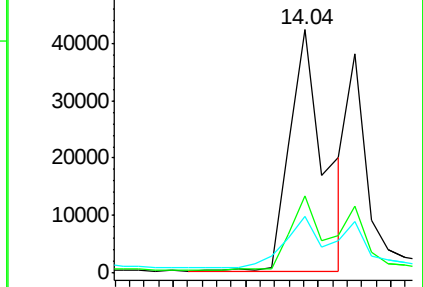
Tgt Ion:	228	Resp:	69698
Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.8	37.2
229	23.4	16.2	24.4



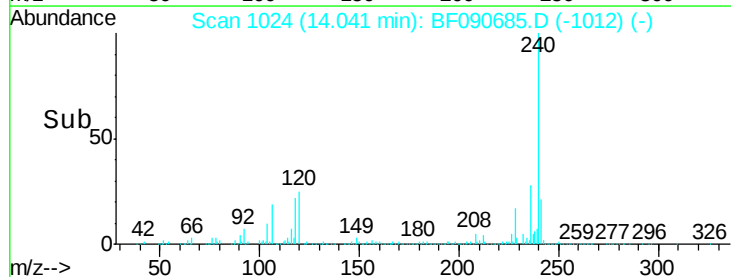
Abundance Ion 228.00 (227.70 to 228.70): E

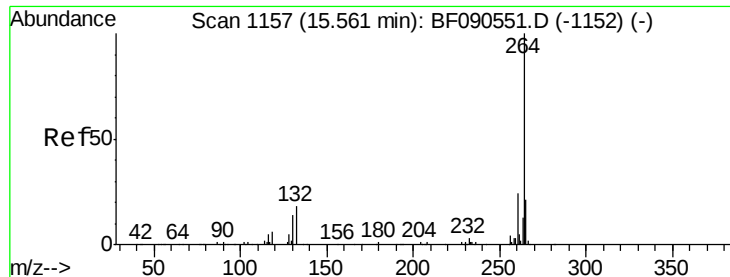
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->

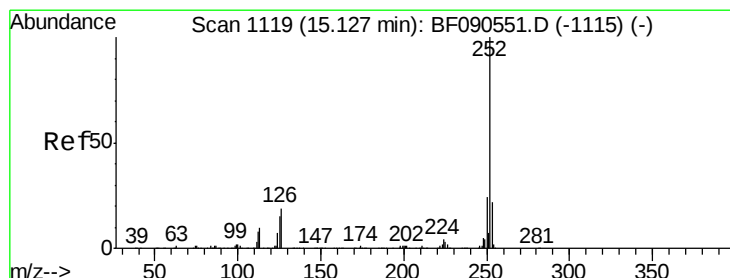
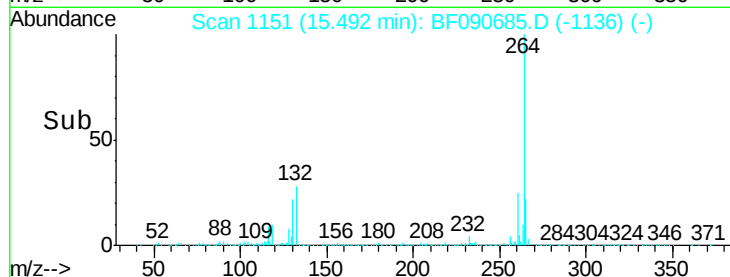
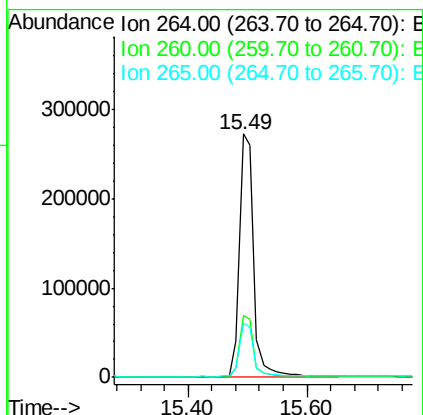
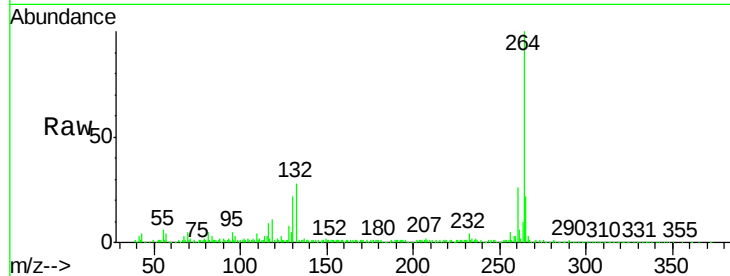




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BF090685.D
Acq: 20 Oct 2016 16:36

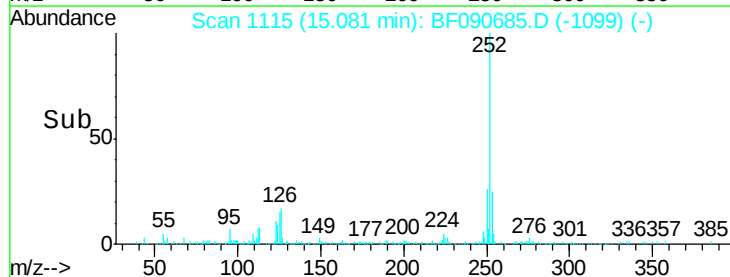
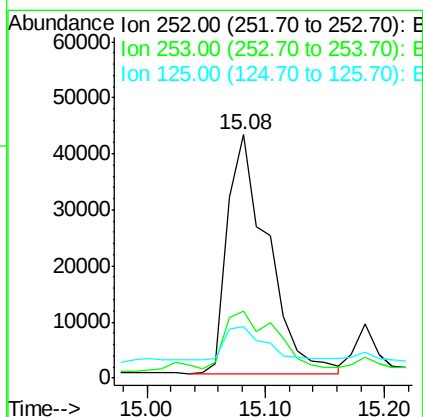
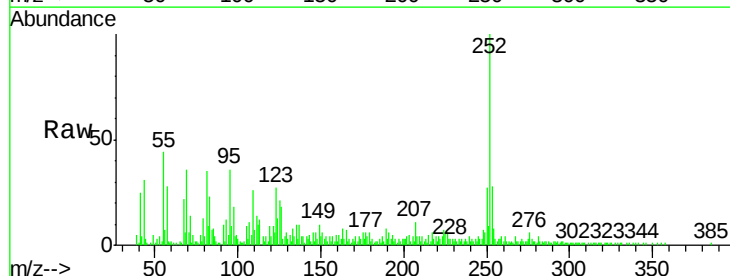
Instrument :
BNA_F
ClientSampleId :
FO-TANK-SIDEWALL-SOUTH

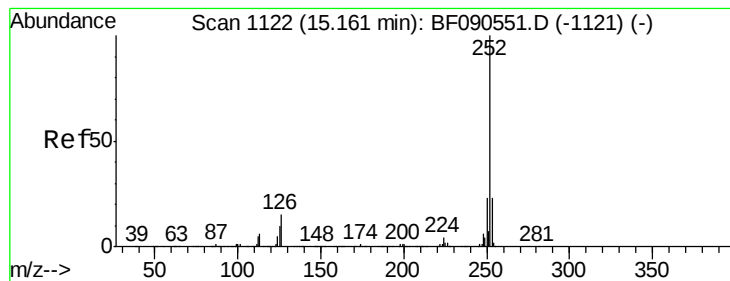
Tgt Ion:264 Resp: 455012
Ion Ratio Lower Upper
264 100
260 25.5 19.3 28.9
265 22.2 16.7 25.1



#87
Benzo(b)fluoranthene
Concen: 3.37 ng
RT: 15.08 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BF090685.D
Acq: 20 Oct 2016 16:36

Tgt Ion:252 Resp: 100294
Ion Ratio Lower Upper
252 100
253 27.7 17.8 26.8#
125 21.4 12.0 18.0#





#88

Benzo(k)fluoranthene

Concen: 3.13 ng

RT: 15.08 min Scan# 1115

Delta R.T. -0.05 min

Lab File: BF090685.D

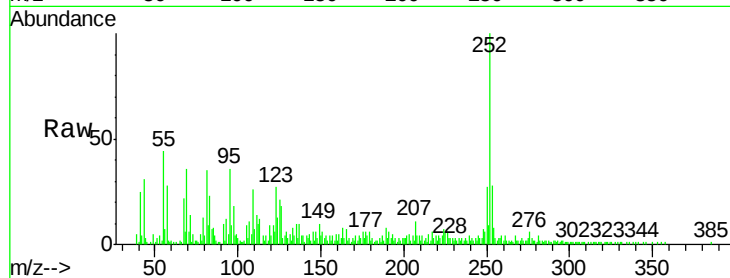
Acq: 20 Oct 2016 16:36

Instrument :

BNA_F

ClientSampleId :

FO-TANK-SIDEWALL-SOUTH



Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.0	27.0#
125	21.4	10.0	15.0#

