

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101915\
 Data File : BF082380.D
 Acq On : 20 Oct 2015 4:05
 Operator : UM/IZ
 Sample : G4040-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-03

Quant Time: Oct 20 07:45:24 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

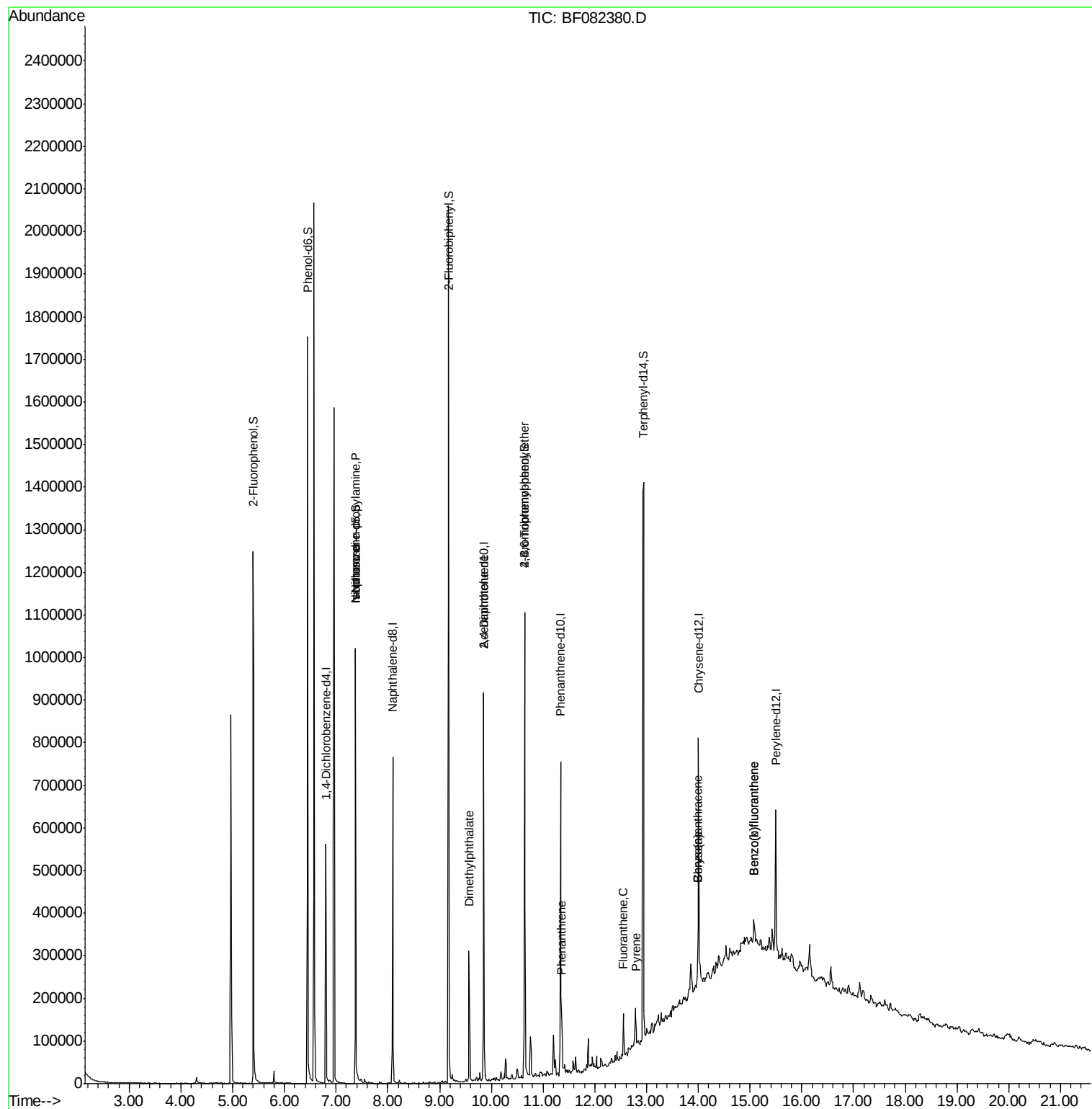
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	88754	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	345781	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	176874	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	295638	20.00	ng	-0.03
75) Chrysene-d12	14.00	240	221562	20.00	ng	-0.01
86) Perylene-d12	15.50	264	199471	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	486253	110.57	ng	-0.03
7) Phenol-d6	6.45	99	631475	110.34	ng	-0.03
23) Nitrobenzene-d5	7.37	82	369713	71.80	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	132591	79.93	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	826160	77.46	ng	-0.03
78) Terphenyl-d14	12.94	244	659023	78.82	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	48561	12.08	ng	# 80
25) Isophorone	7.37	82	333005	32.04	ng	# 66
49) Dimethylphthalate	9.57	163	164936	13.24	ng	99
55) 4-Nitrophenol	10.06	139	573	Below Cal	#	36
56) 2,4-Dinitrotoluene	9.85	165	22000	6.70	ng	# 23
66) 4-Bromophenyl-phenylether	10.64	248	9855	3.33	ng	# 1
70) Phenanthrene	11.36	178	45458	3.14	ng	99
74) Fluoranthene	12.55	202	56732	3.65	ng	96
77) Pyrene	12.79	202	58180	4.42	ng	97
80) Benzo(a)anthracene	13.99	228	30300	2.63	ng	98
82) Chrysene	13.99	228	30300	2.49	ng	96
87) Benzo(b)fluoranthene	15.08	252	36823	3.03	ng	# 81
88) Benzo(k)fluoranthene	15.08	252	36823	3.61	ng	# 80

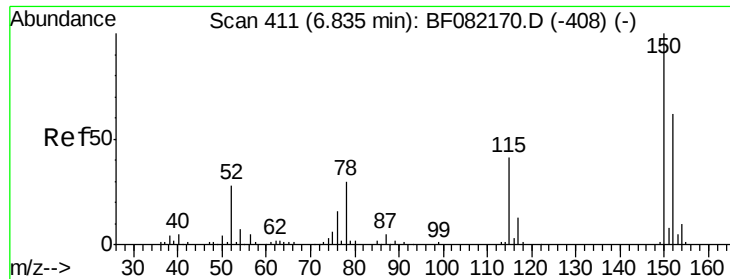
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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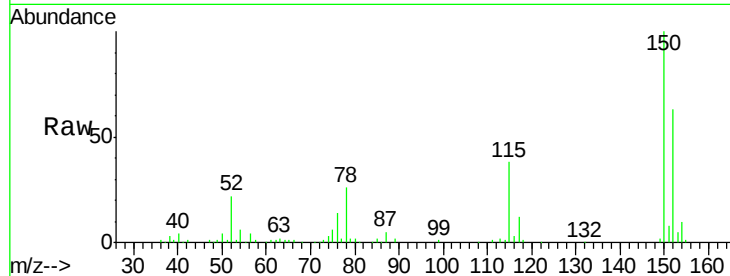




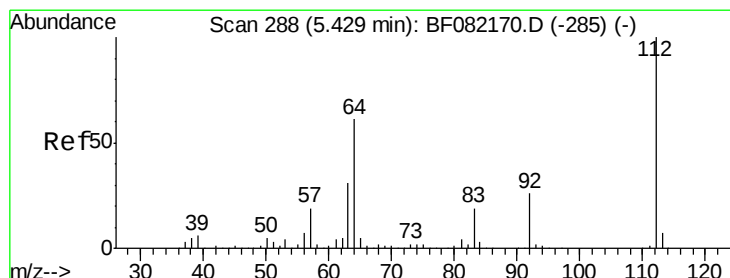
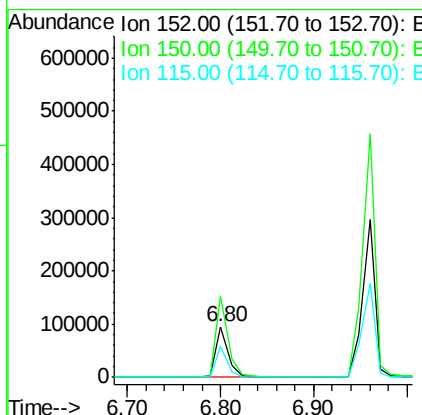
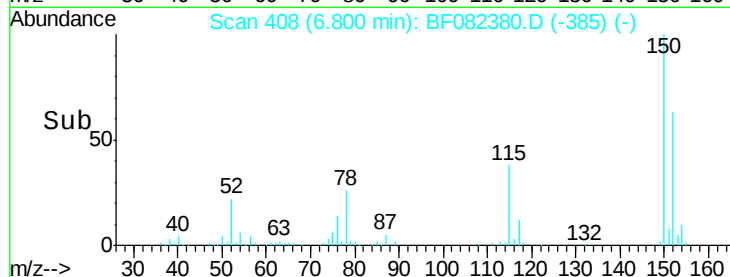
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 408
 Delta R.T. -0.03 min
 Lab File: BF082380.D
 Acq: 20 Oct 2015 4:05

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-03

Tgt Ion:152 Resp: 88754
 Ion Ratio Lower Upper
 152 100
 150 159.2 129.0 193.4
 115 60.5 52.1 78.1

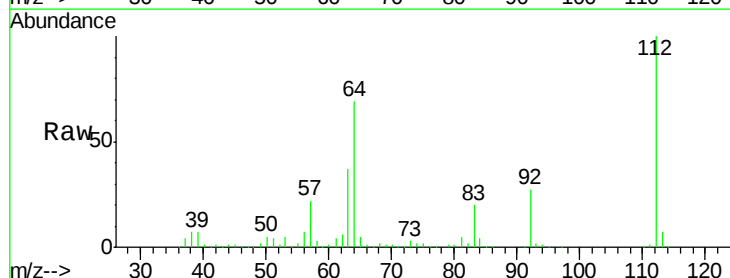


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

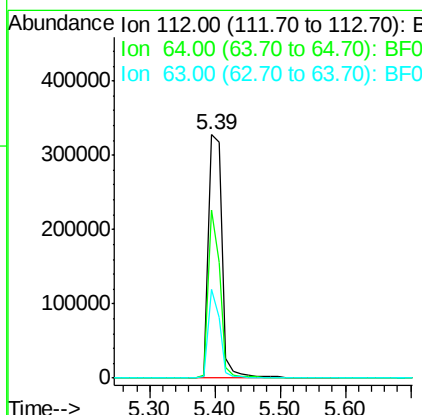
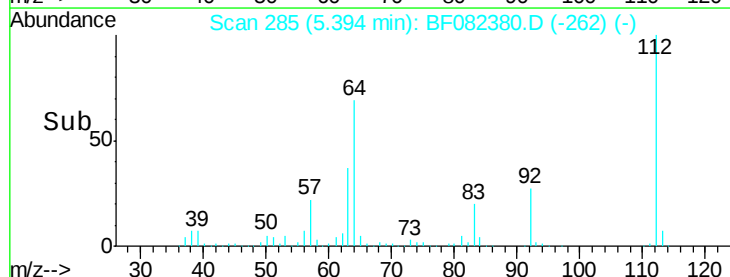


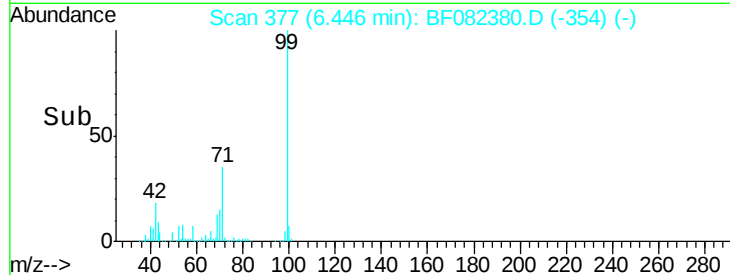
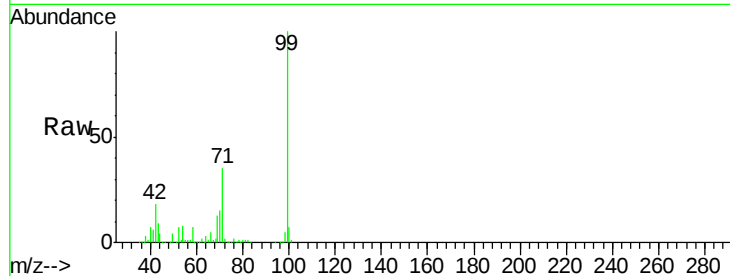
#5
 2-Fluorophenol
 Concen: 110.57 ng
 RT: 5.39 min Scan# 285
 Delta R.T. -0.03 min
 Lab File: BF082380.D
 Acq: 20 Oct 2015 4:05

Tgt Ion:112 Resp: 486253
 Ion Ratio Lower Upper
 112 100
 64 69.2 48.6 73.0
 63 36.6 25.1 37.7



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: 110.34 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-03

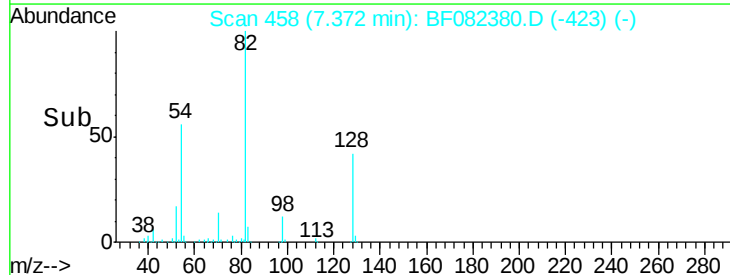
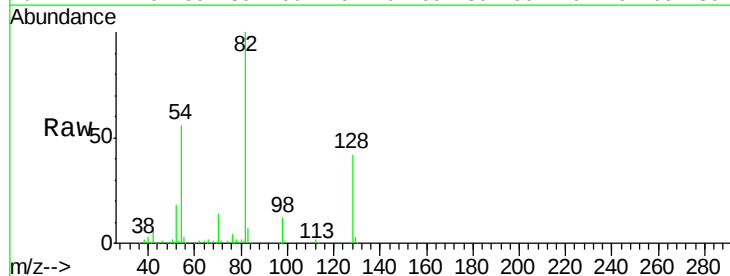
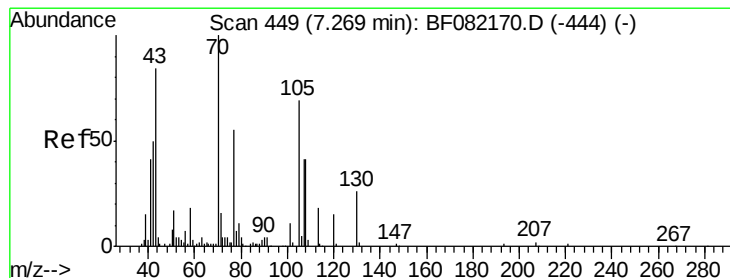
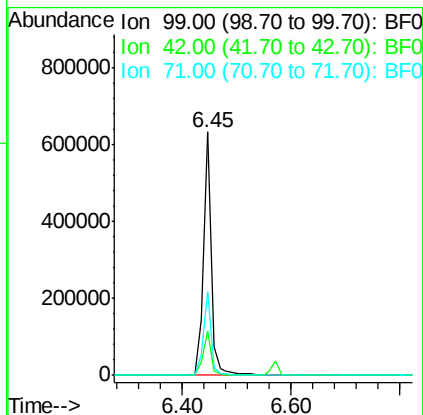
Tgt Ion: 99 Resp: 631475

Ion Ratio Lower Upper

99 100

42 17.9 13.2 19.8

71 34.6 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.08 ng

RT: 7.37 min Scan# 458

Delta R.T. 0.10 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

Tgt Ion: 70 Resp: 48561

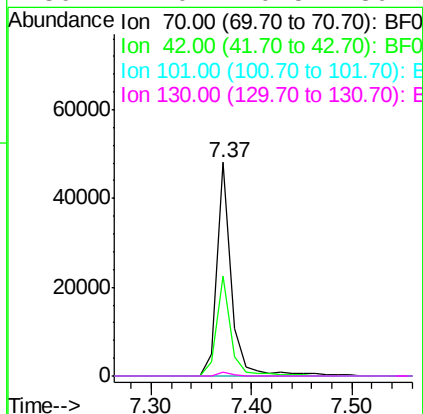
Ion Ratio Lower Upper

70 100

42 46.5 39.8 59.8

101 0.0 8.6 13.0#

130 2.0 20.5 30.7#

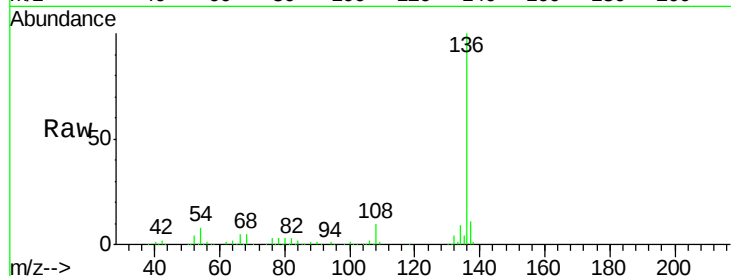




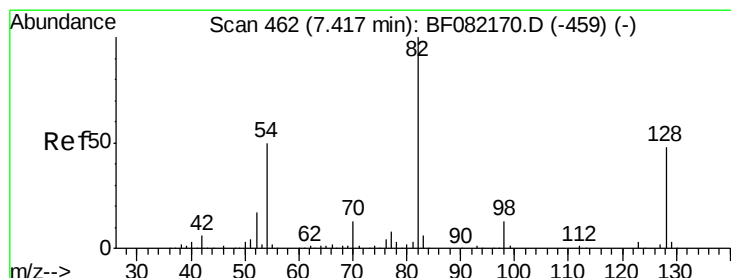
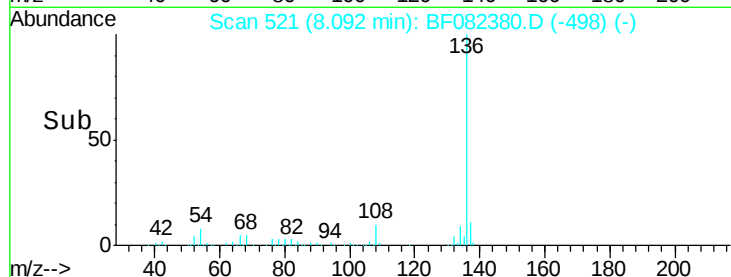
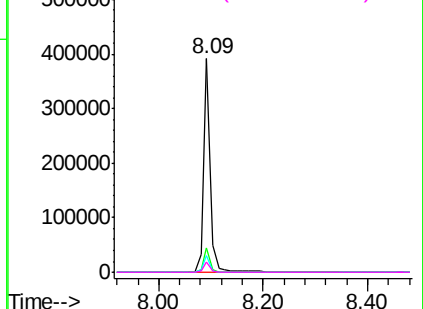
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 521
Delta R.T. -0.03 min
Lab File: BF082380.D
Acq: 20 Oct 2015 4:05

Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03

Tgt Ion:	136	Resp:	345781
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	7.8	7.5	11.3
68	5.0	4.6	7.0

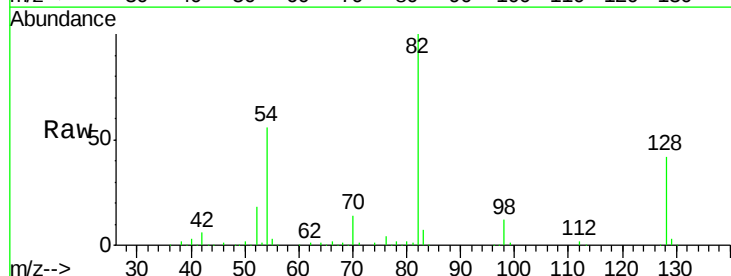


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

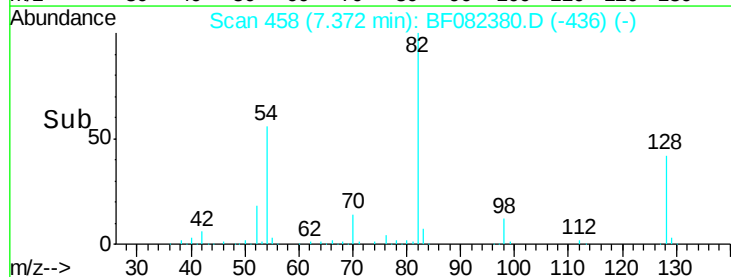
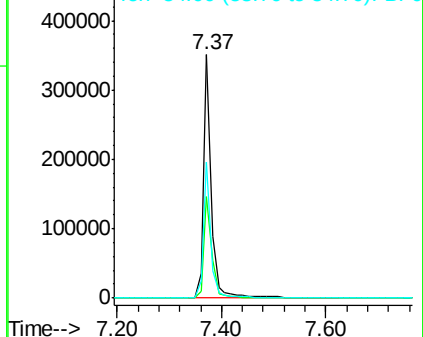


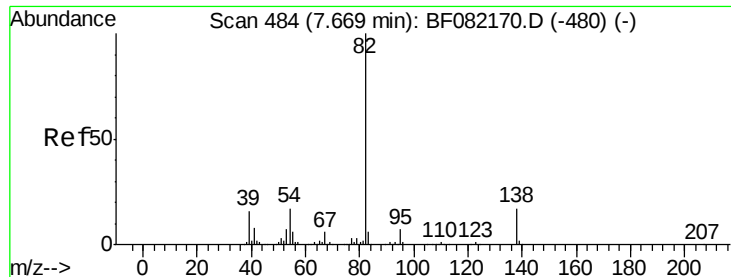
#23
Nitrobenzene-d5
Concen: 71.80 ng
RT: 7.37 min Scan# 458
Delta R.T. -0.05 min
Lab File: BF082380.D
Acq: 20 Oct 2015 4:05

Tgt Ion:	82	Resp:	369713
Ion	Ratio	Lower	Upper
82	100		
128	41.8	38.7	58.1
54	55.9	40.1	60.1



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





#25

Isophorone

Concen: 32.04 ng

RT: 7.37 min Scan# 458

Delta R.T. -0.30 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-03

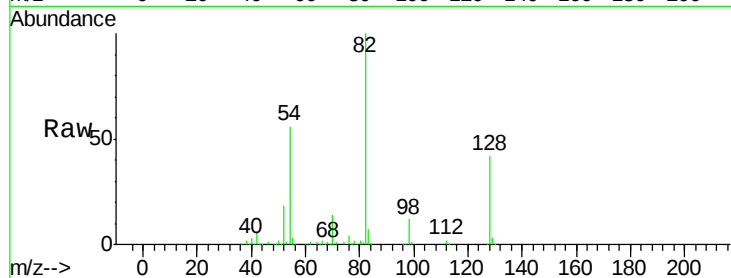
Tgt Ion: 82 Resp: 333005

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

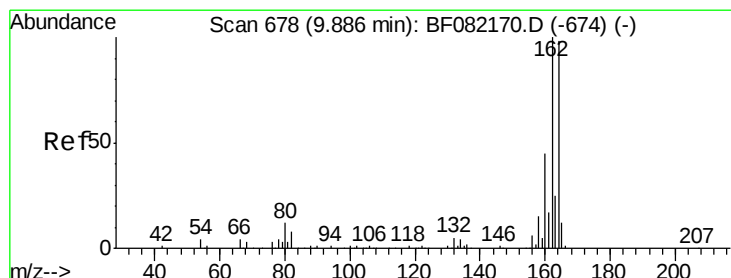
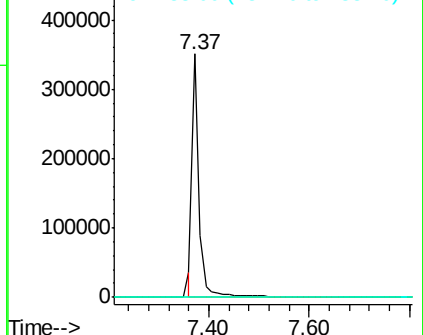
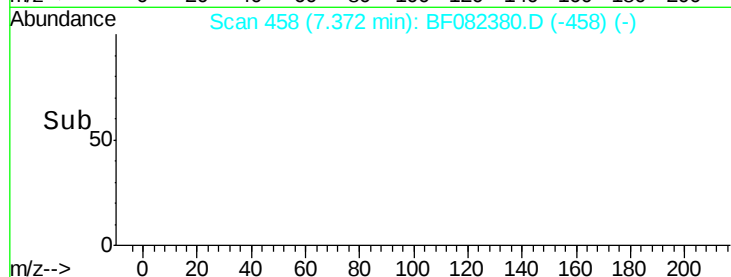
138 0.0 13.6 20.4#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 675

Delta R.T. -0.03 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

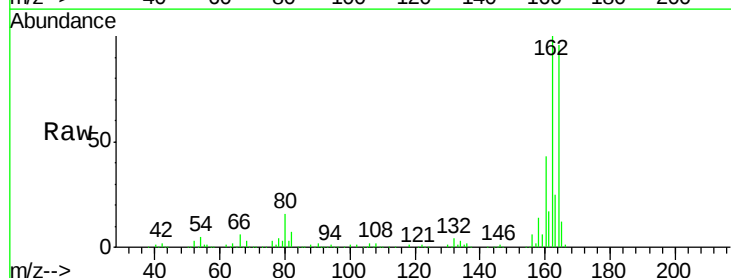
Tgt Ion: 164 Resp: 176874

Ion Ratio Lower Upper

164 100

162 104.1 81.6 122.4

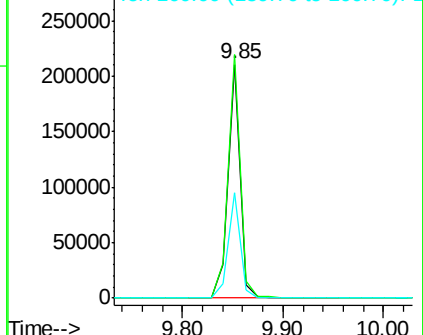
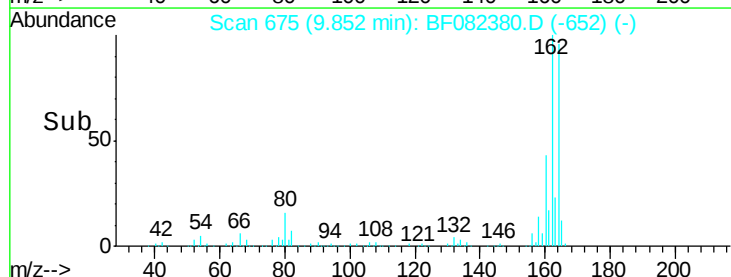
160 45.2 36.4 54.6



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

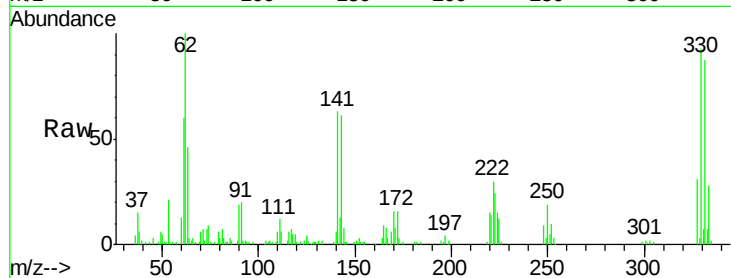




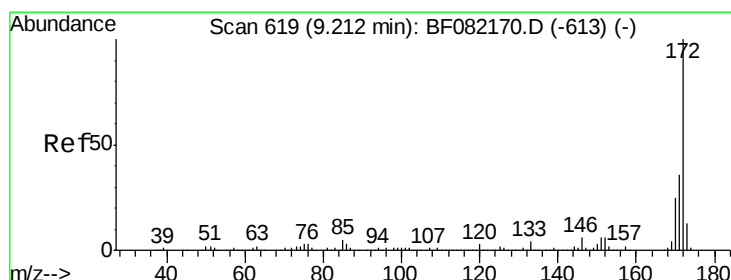
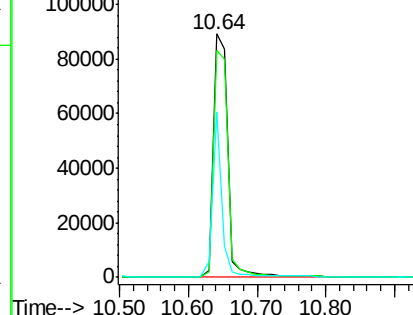
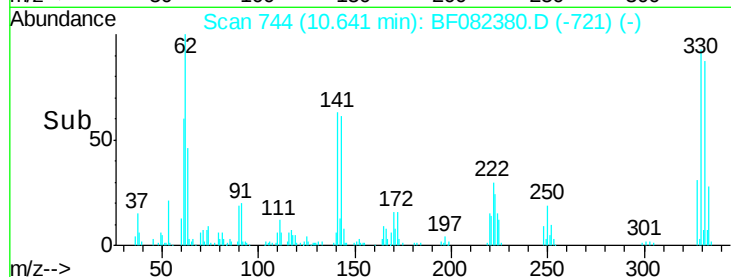
#41
 2,4,6-Tribromophenol
 Concen: 79.93 ng
 RT: 10.64 min Scan# 744
 Delta R.T. -0.03 min
 Lab File: BF082380.D
 Acq: 20 Oct 2015 4:05

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.1	115.7
141	43.9	29.8	44.8

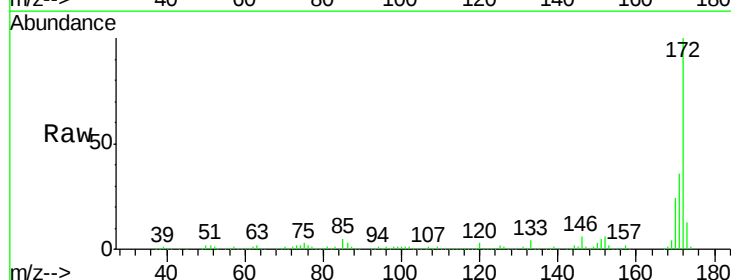


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

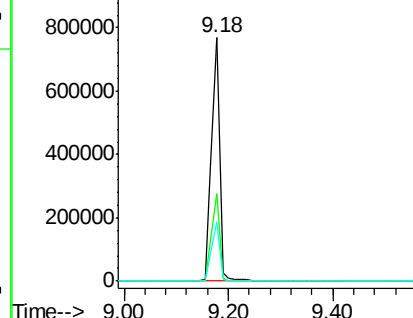
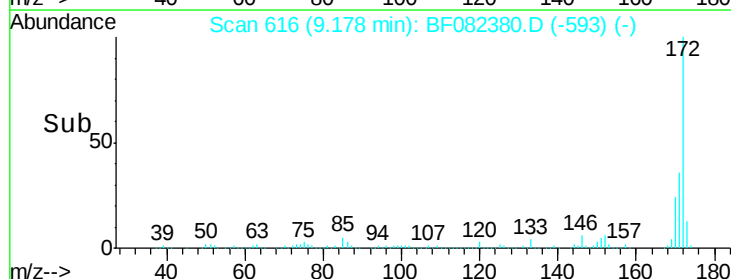


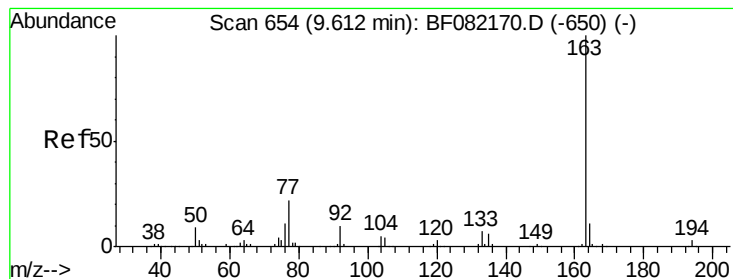
#44
 2-Fluorobiphenyl
 Concen: 77.46 ng
 RT: 9.18 min Scan# 616
 Delta R.T. -0.03 min
 Lab File: BF082380.D
 Acq: 20 Oct 2015 4:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	24.3	19.7	29.5



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: 13.24 ng

RT: 9.57 min Scan# 650

Delta R.T. -0.05 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-03

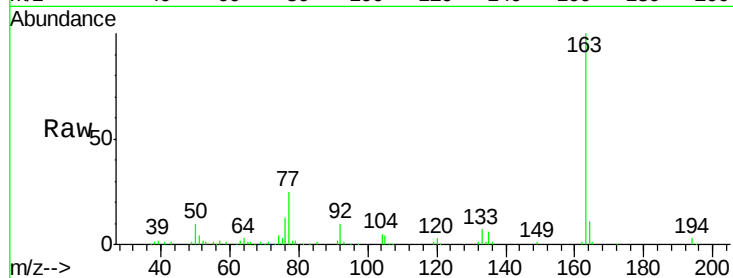
Tgt Ion:163 Resp: 164936

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

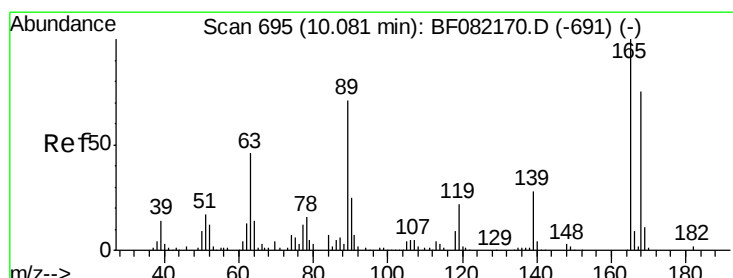
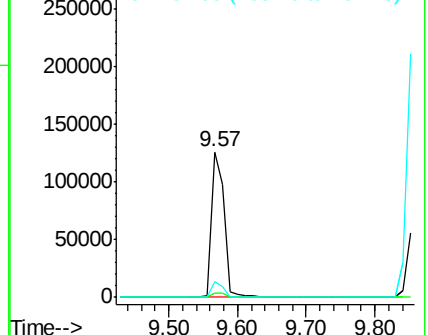
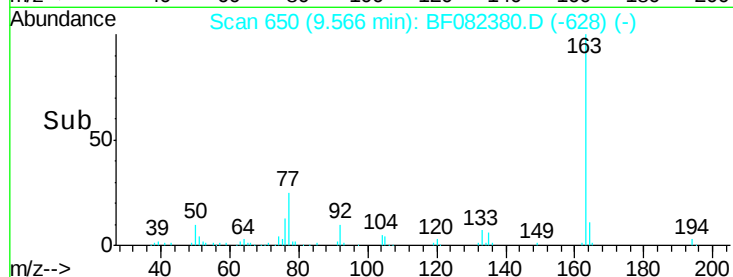
164 10.9 8.5 12.7



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



#56

2,4-Dinitrotoluene

Concen: 6.70 ng

RT: 9.85 min Scan# 675

Delta R.T. -0.23 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

Tgt Ion:165 Resp: 22000

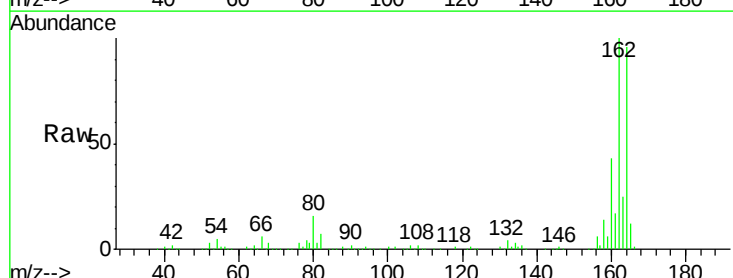
Ion Ratio Lower Upper

165 100

63 1.8 38.6 58.0#

89 1.4 57.0 85.6#

182 0.0 1.8 2.6#

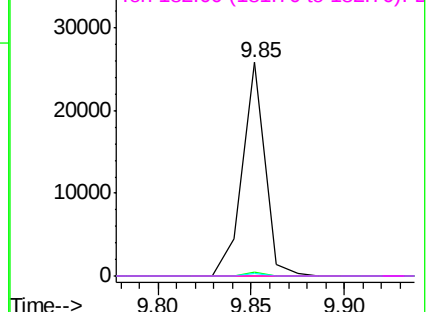
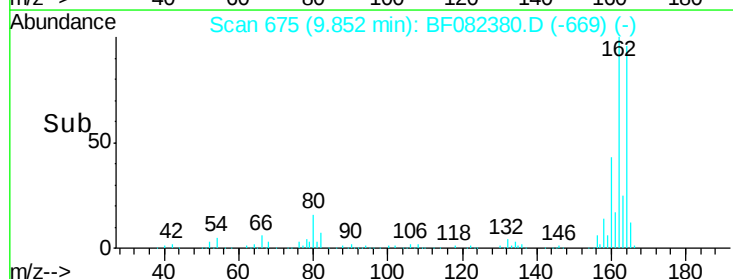


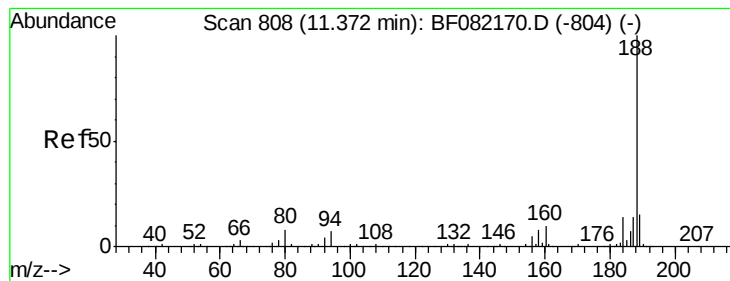
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-03

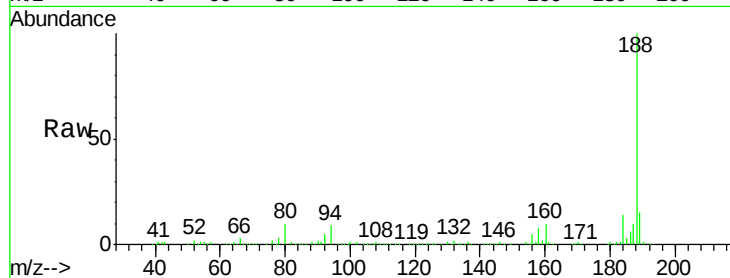
Tgt Ion:188 Resp: 295638

Ion Ratio Lower Upper

188 100

94 9.1 5.8 8.6#

80 10.5 6.4 9.6#



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

11.34

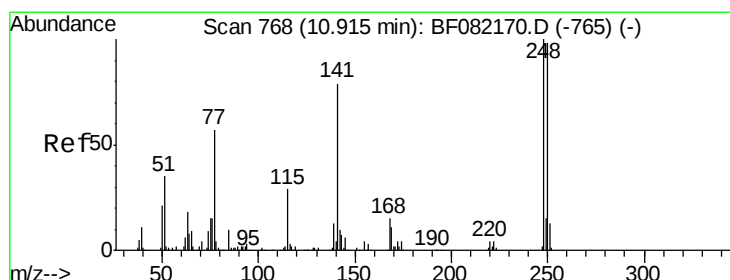
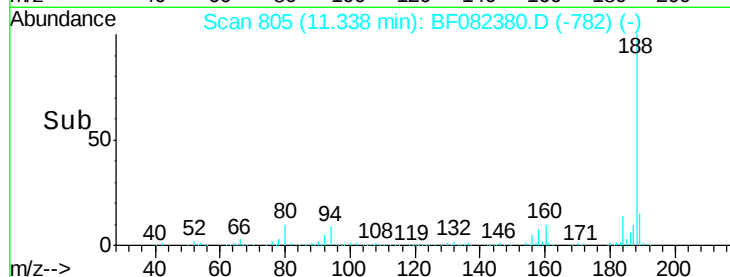
300000

200000

100000

0

Time--> 11.20 11.40 11.60



#66

4-Bromophenyl-phenylether

Concen: 3.33 ng

RT: 10.64 min Scan# 744

Delta R.T. -0.27 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

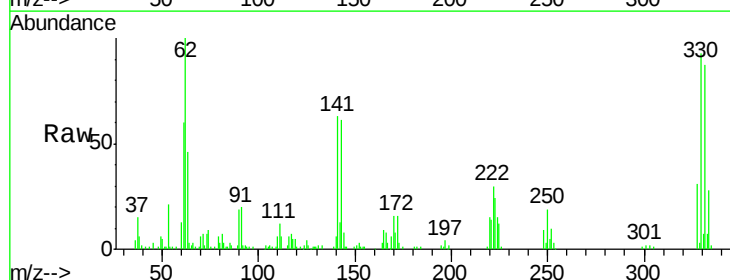
Tgt Ion:248 Resp: 9855

Ion Ratio Lower Upper

248 100

250 201.0 78.6 117.8#

141 664.2 63.3 94.9#



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

10.64

80000

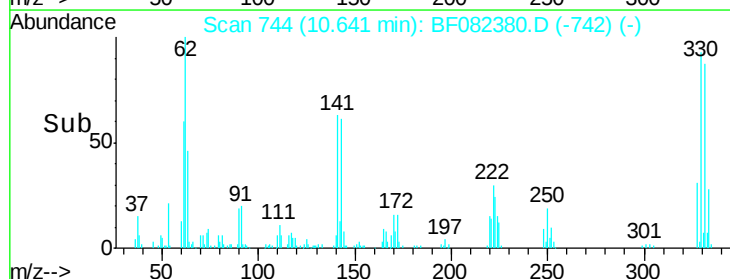
60000

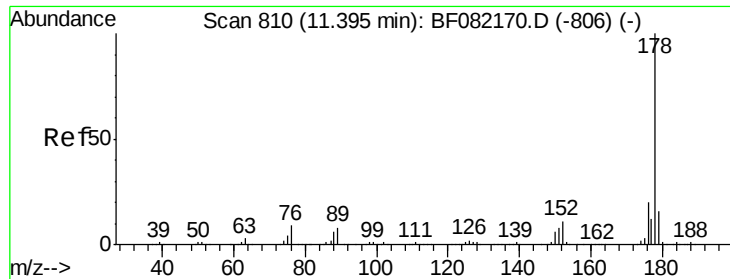
40000

20000

0

Time--> 10.60 10.65 10.70

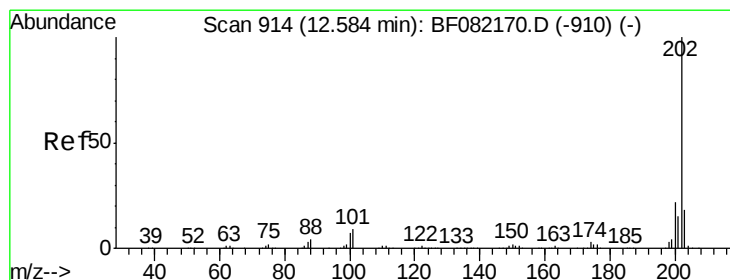
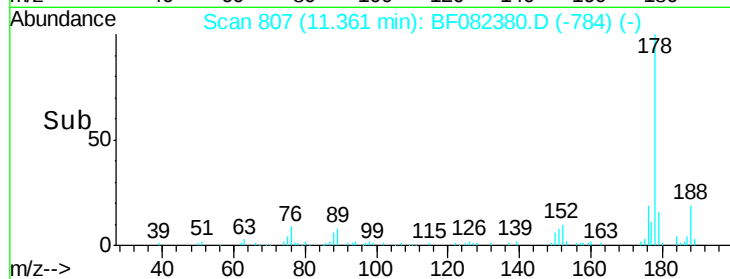
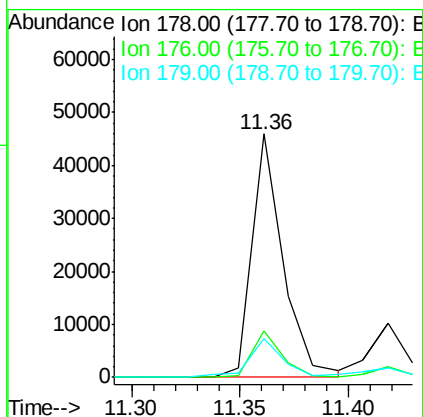
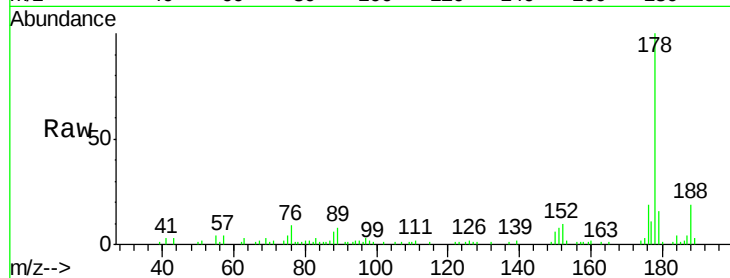




#70
Phenanthrene
Concen: 3.14 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.03 min
Lab File: BF082380.D
Acq: 20 Oct 2015 4:05

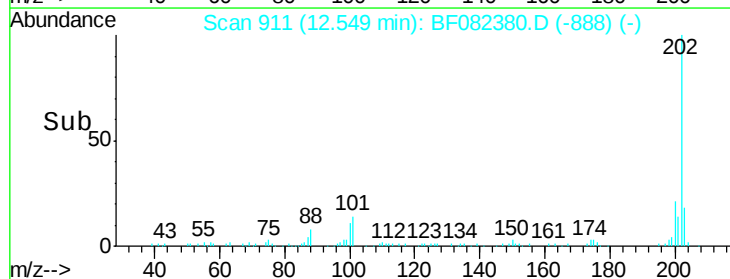
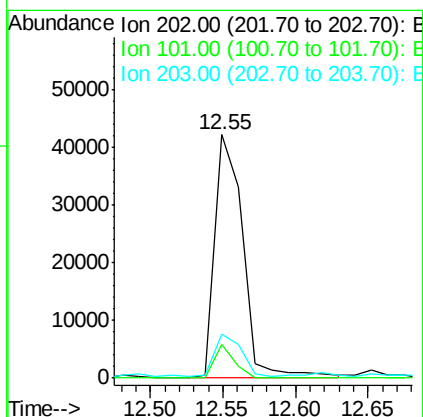
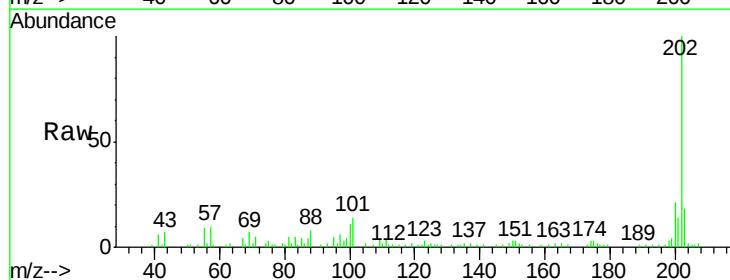
Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03

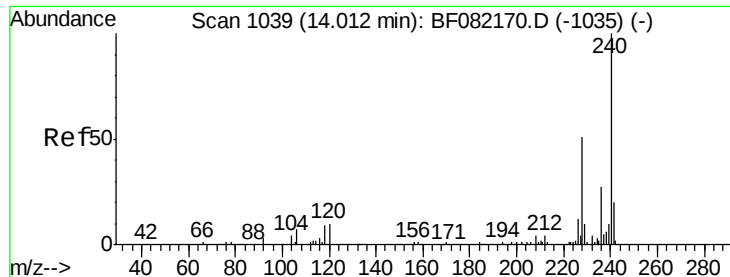
Tgt Ion:178 Resp: 45458
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.8 12.6 19.0



#74
Fluoranthene
Concen: 3.65 ng
RT: 12.55 min Scan# 911
Delta R.T. -0.03 min
Lab File: BF082380.D
Acq: 20 Oct 2015 4:05

Tgt Ion:202 Resp: 56732
Ion Ratio Lower Upper
202 100
101 13.6 0.0 29.3
203 17.8 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-03

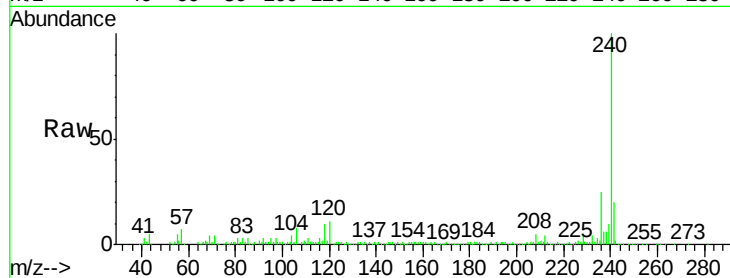
Tgt Ion:240 Resp: 221562

Ion Ratio Lower Upper

240 100

120 10.9 8.1 12.1

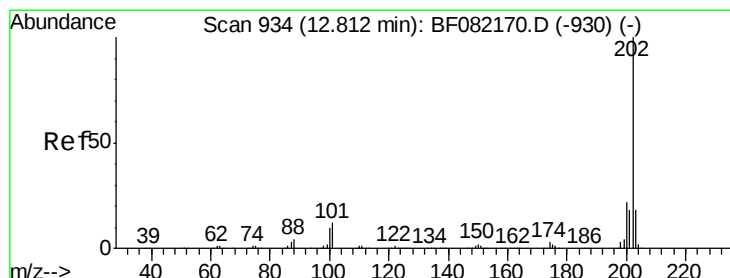
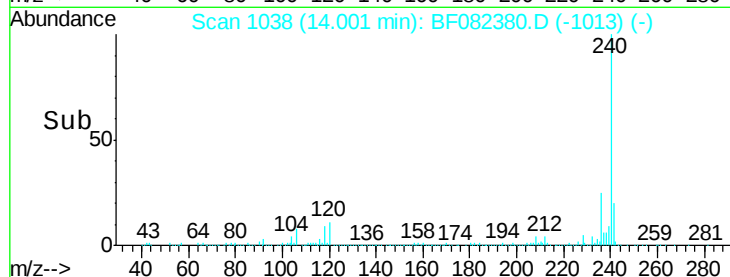
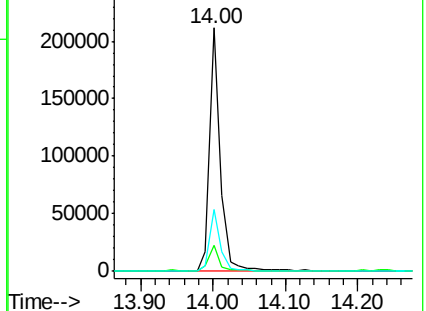
236 25.5 21.3 31.9



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: 4.42 ng

RT: 12.79 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

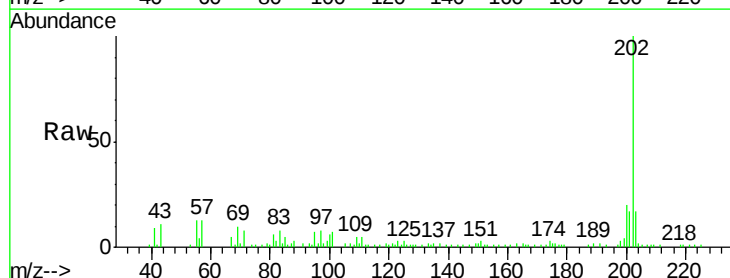
Tgt Ion:202 Resp: 58180

Ion Ratio Lower Upper

202 100

200 20.3 17.9 26.9

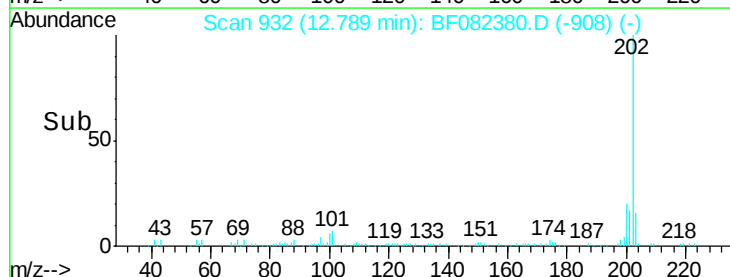
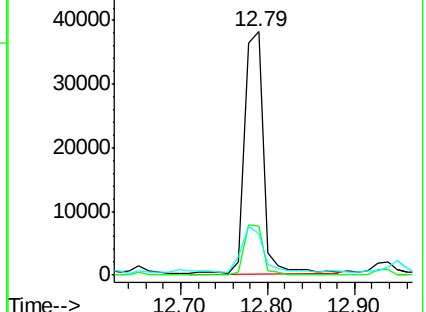
203 17.2 14.5 21.7

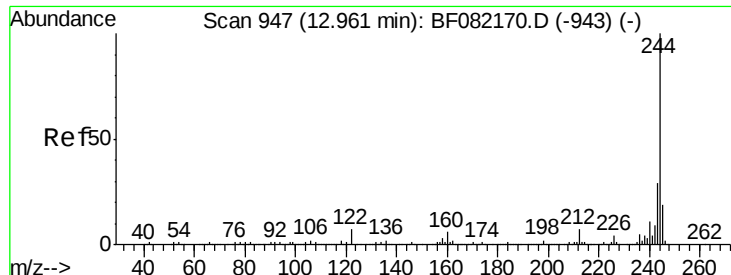


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

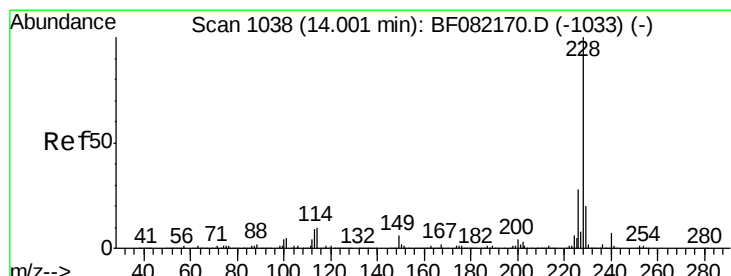
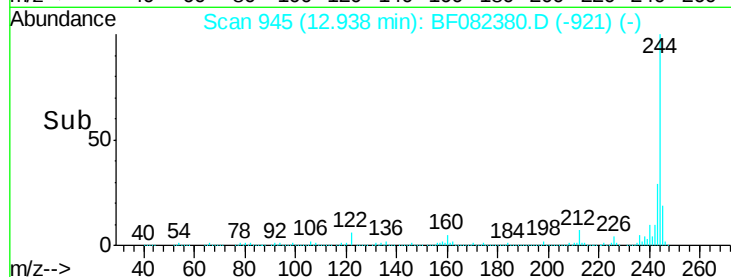
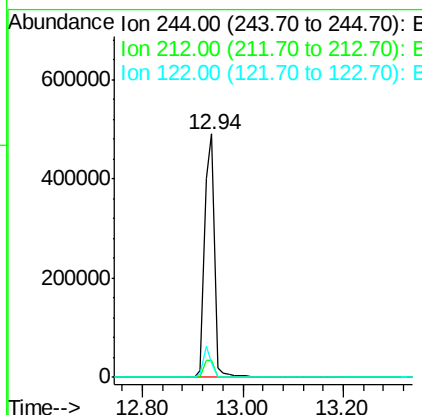
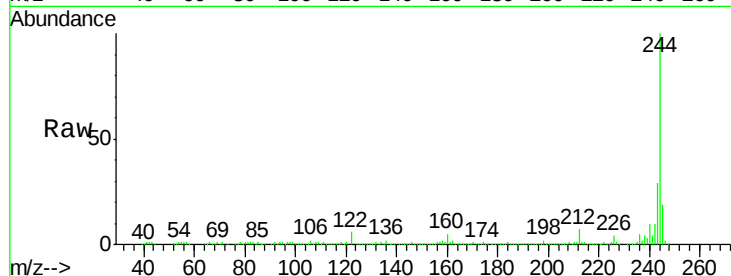




#78
 Terphenyl-d14
 Concen: 78.82 ng
 RT: 12.94 min Scan# 945
 Delta R.T. -0.02 min
 Lab File: BF082380.D
 Acq: 20 Oct 2015 4:05

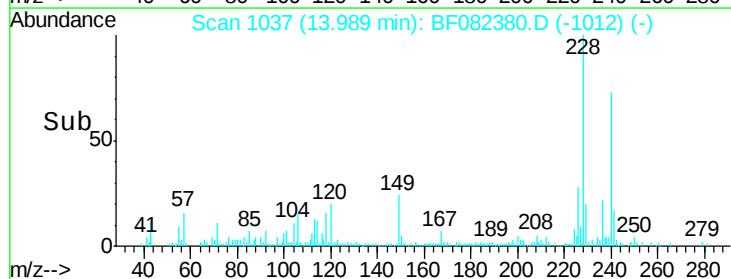
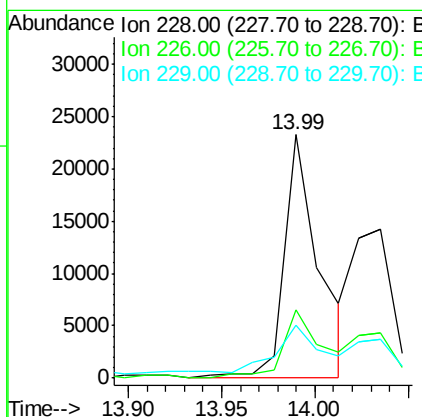
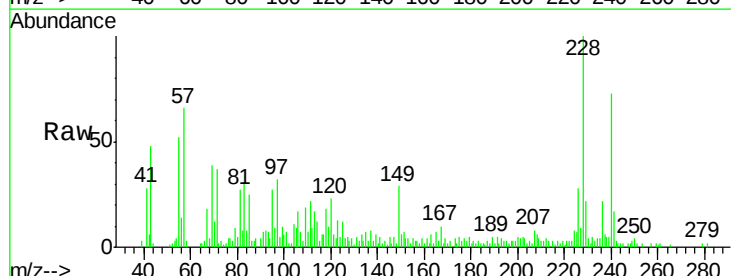
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-03

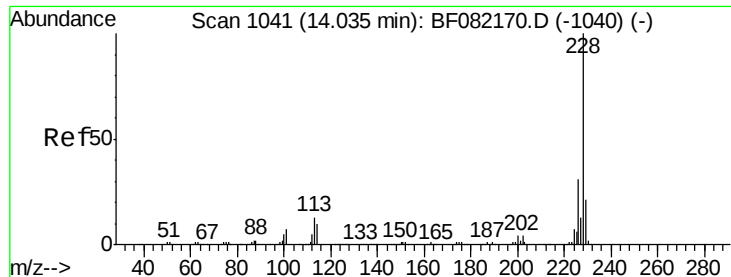
Tgt Ion: 244 Resp: 659023
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 5.8 5.9 8.9#



#80
 Benzo(a)anthracene
 Concen: 2.63 ng
 RT: 13.99 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: BF082380.D
 Acq: 20 Oct 2015 4:05

Tgt Ion: 228 Resp: 30300
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.3 33.5
 229 21.8 16.2 24.2





#82

Chrysene

Concen: 2.49 ng

RT: 13.99 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-03

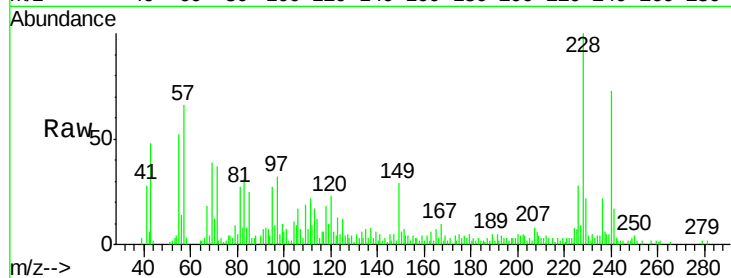
Tgt Ion:228 Resp: 30300

Ion Ratio Lower Upper

228 100

226 28.3 24.4 36.6

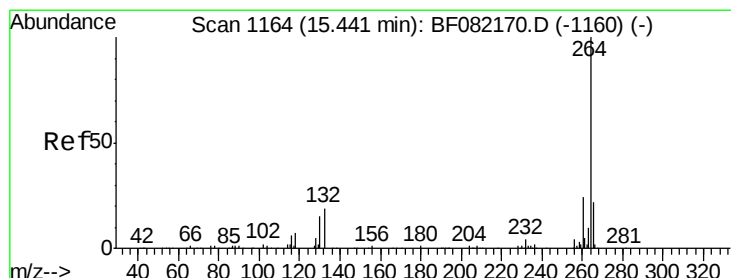
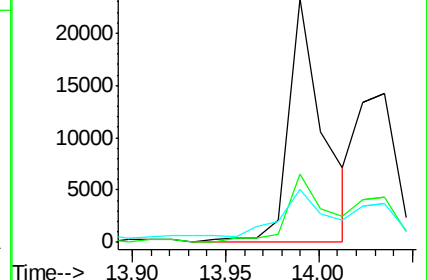
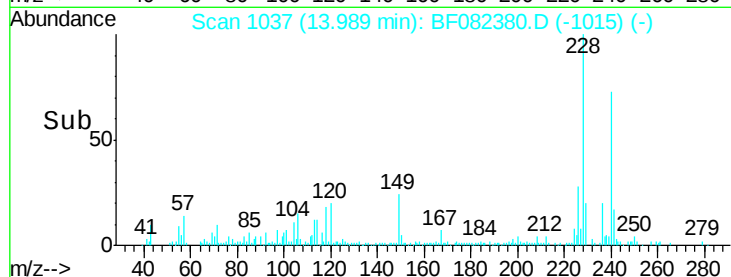
229 21.8 16.3 24.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.50 min Scan# 1169

Delta R.T. 0.06 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

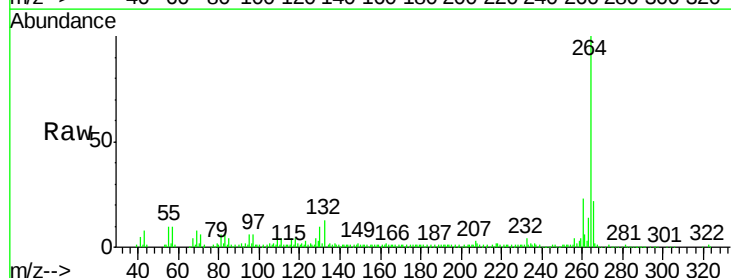
Tgt Ion:264 Resp: 199471

Ion Ratio Lower Upper

264 100

260 23.0 19.0 28.6

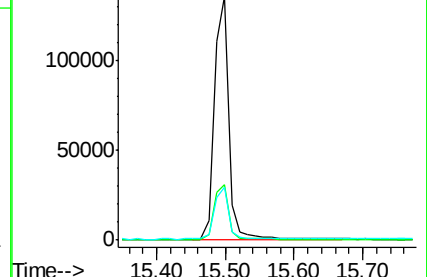
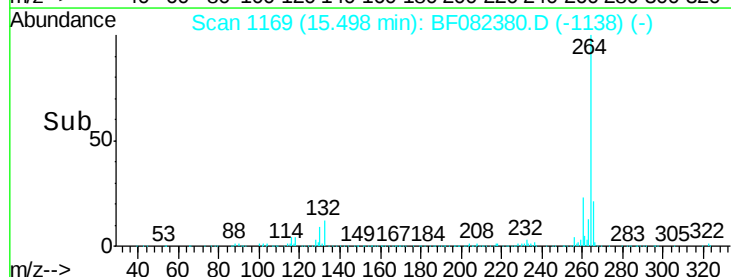
265 21.5 17.3 25.9

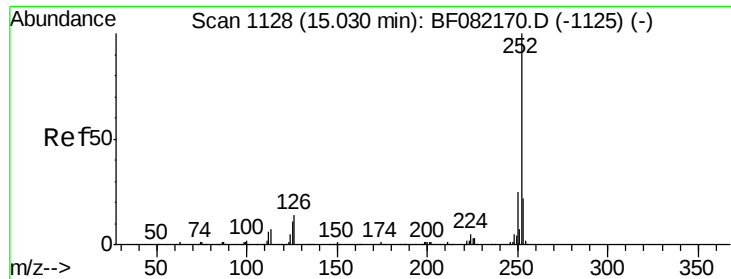


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.03 ng

RT: 15.08 min Scan# 1132

Delta R.T. 0.05 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

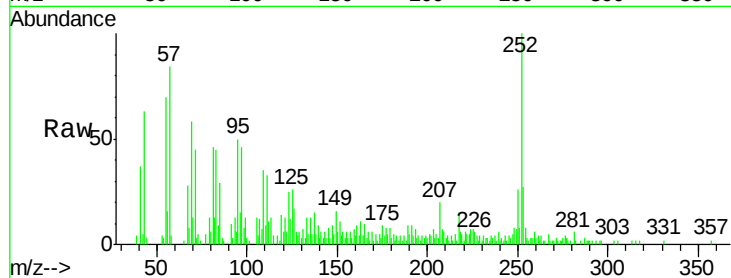
Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-03

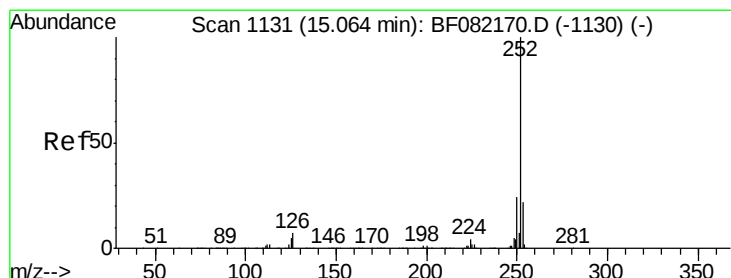
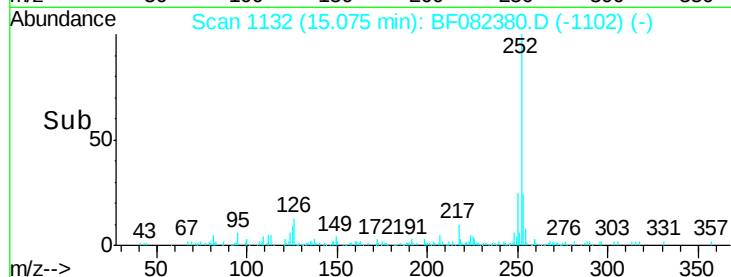
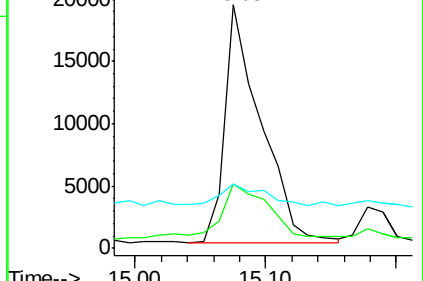
Tgt Ion:	252	Resp:	36823
Ion Ratio	Lower	Upper	
252	100		
253	26.5	18.0	27.0
125	26.2	8.6	12.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.61 ng

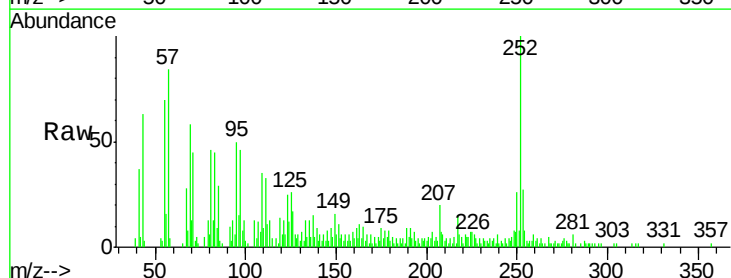
RT: 15.08 min Scan# 1132

Delta R.T. 0.01 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

Tgt Ion:	252	Resp:	36823
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.8	26.6
125	26.2	6.7	10.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

