

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\
 Data File : BF082094.D
 Acq On : 6 Oct 2015 20:12
 Operator : UM/IZ
 Sample : G3906-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-02

Quant Time: Oct 07 02:06:41 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 07 02:00:35 2015
 Response via : Initial Calibration

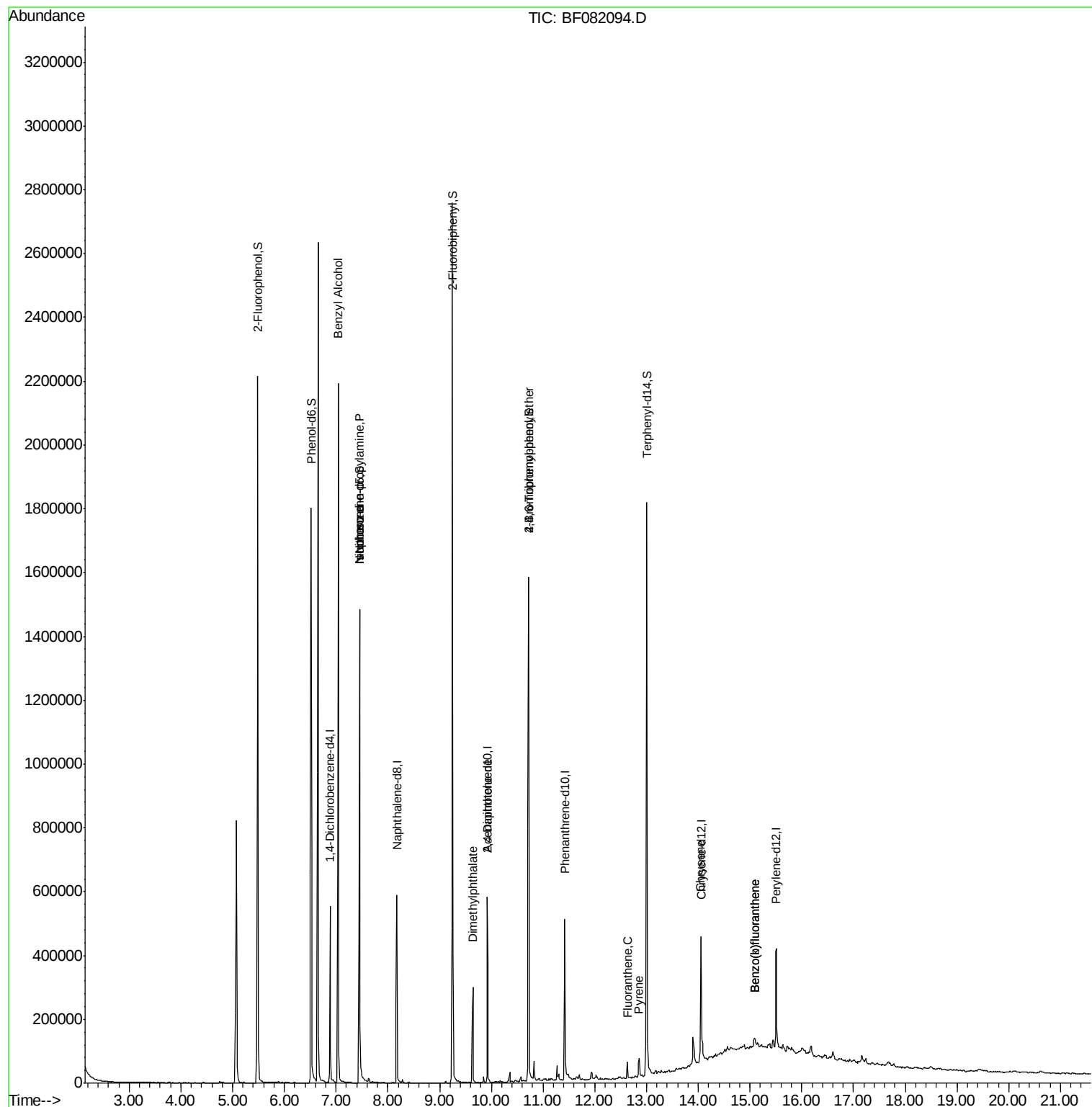
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	88463	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	335782	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	151044	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	288558	20.00	ng	0.00
75) Chrysene-d12	14.06	240	230358	20.00	ng	-0.01
86) Perylene-d12	15.51	264	203091	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	712806	146.27	ng	0.01
7) Phenol-d6	6.51	99	855422	139.50	ng	0.00
23) Nitrobenzene-d5	7.45	82	556604	110.50	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	234763	153.47	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	903731	104.81	ng	0.00
78) Terphenyl-d14	13.01	244	862548	153.93	ng	0.00
Target Compounds						
15) Benzyl Alcohol	7.04	79	9153	2.07	ng	# 30
19) n-Nitroso-di-n-propylamine	7.45	70	72130	19.35	ng	# 58
25) Isophorone	7.45	82	444664	44.54	ng	# 58
49) Dimethylphthalate	9.65	163	187393	17.97	ng	# 96
56) 2,4-Dinitrotoluene	9.92	165	19332	6.70	ng	# 31
57) Fluorene	10.47	166	1406	Below Cal	#	92
66) 4-Bromophenyl-phenylether	10.72	248	16174	5.56	ng	# 1
73) Di-n-butylphthalate	11.98	149	1388	Below Cal	#	78
74) Fluoranthene	12.63	202	38145	2.47	ng	86
77) Pyrene	12.86	202	37151	2.70	ng	97
82) Chrysene	14.05	228	21413	2.19	ng	# 91
87) Benzo(b)fluoranthene	15.09	252	26823	2.31	ng	# 90
88) Benzo(k)fluoranthene	15.09	252	26823	2.52	ng	# 87

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF082094.D

Acq: 6 Oct 2015 20:12

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-02

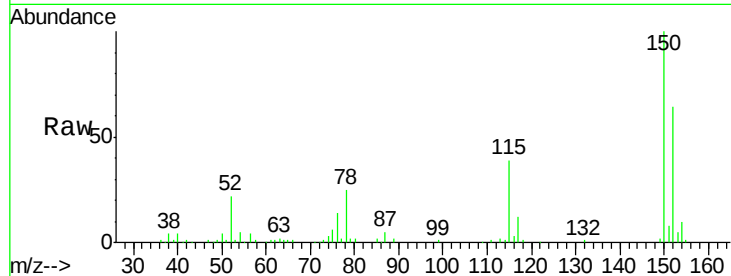
Tot Ion:152 Resp: 88463

Ion Ratio Lower Upper

152 100

150 156.3 124.7 187.1

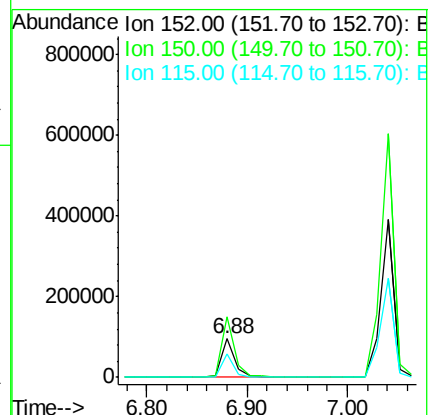
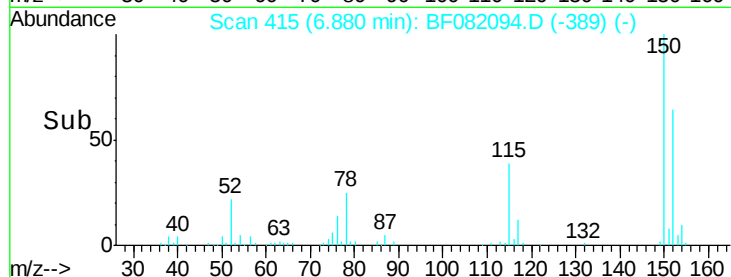
115 60.6 39.0 58.4#



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: 146.27 ng

RT: 5.49 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF082094.D

Acq: 6 Oct 2015 20:12

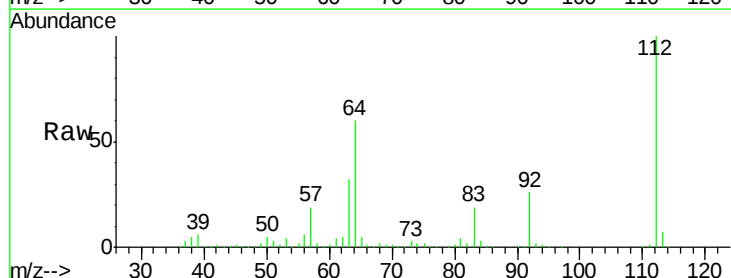
Tgt Ion:112 Resp: 712806

Ion Ratio Lower Upper

112 100

64 60.2 39.7 59.5#

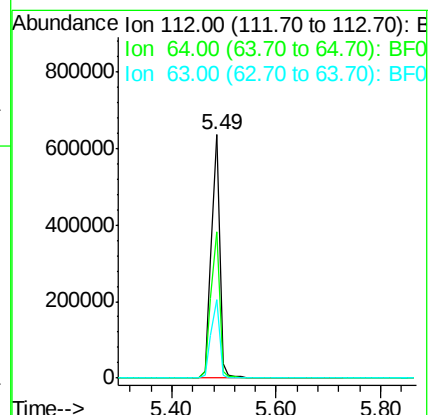
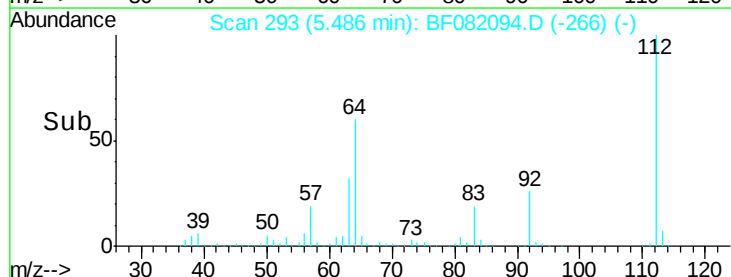
63 32.1 17.4 26.0#

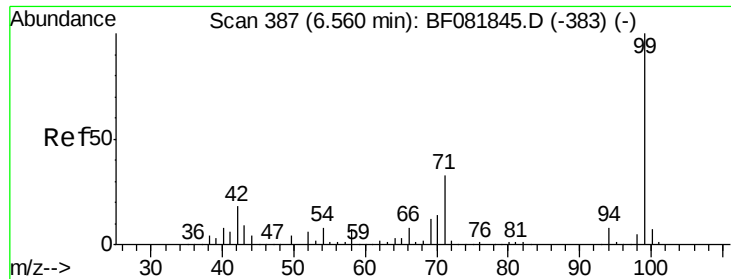


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 139.50 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF082094.D

Acq: 6 Oct 2015 20:12

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-02

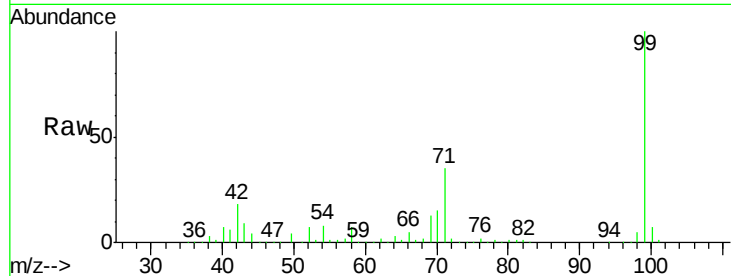
Tot Ion: 99 Resp: 855422

Ion Ratio Lower Upper

99 100

42 18.4 13.7 20.5

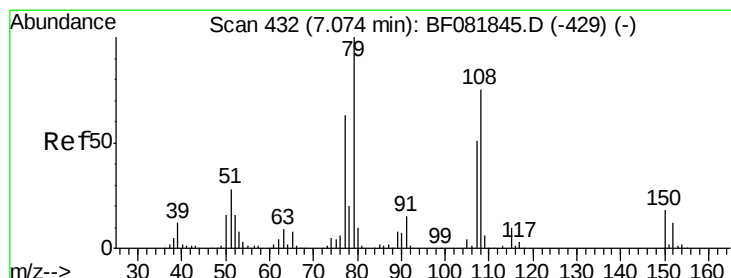
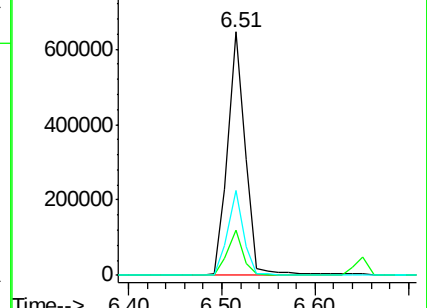
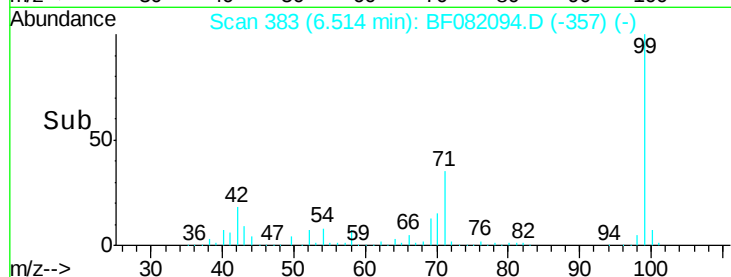
71 34.8 14.2 21.2#



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: 2.07 ng

RT: 7.04 min Scan# 429

Delta R.T. 0.01 min

Lab File: BF082094.D

Acq: 6 Oct 2015 20:12

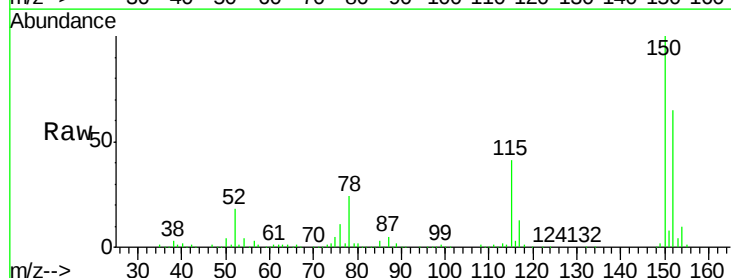
Tgt Ion: 79 Resp: 9153

Ion Ratio Lower Upper

79 100

108 34.5 88.6 132.8#

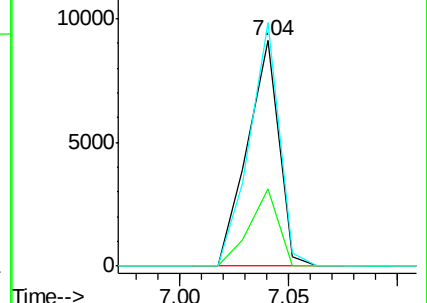
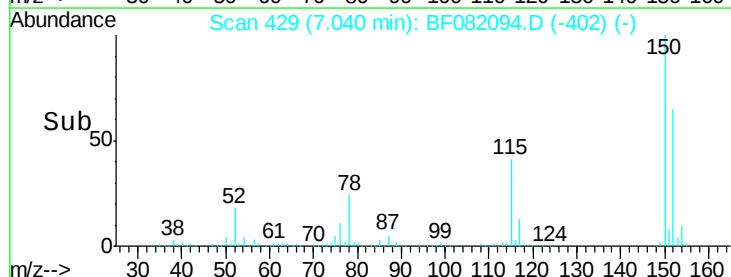
77 108.1 47.0 70.4#

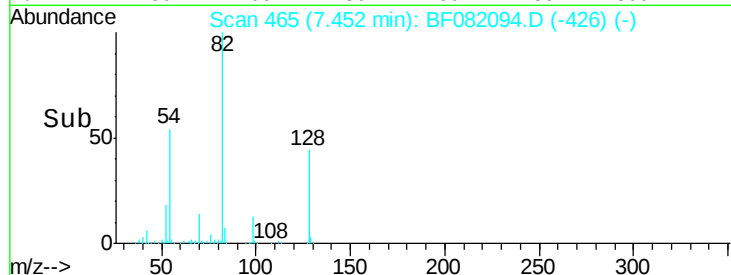
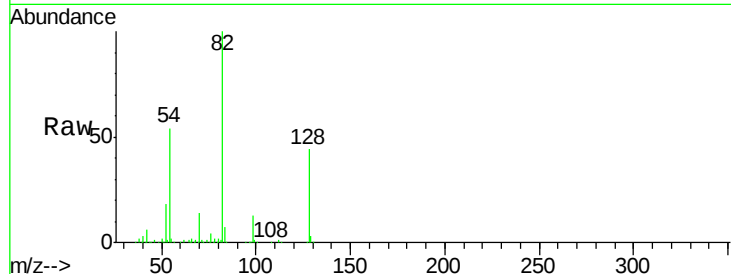
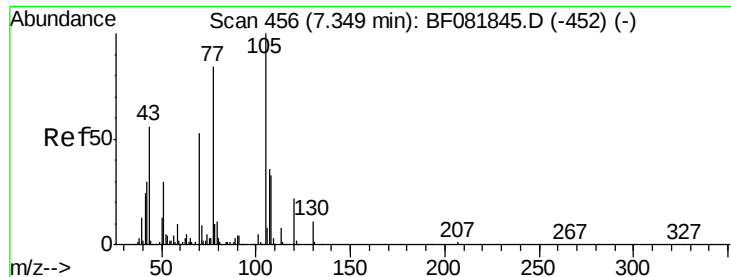


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

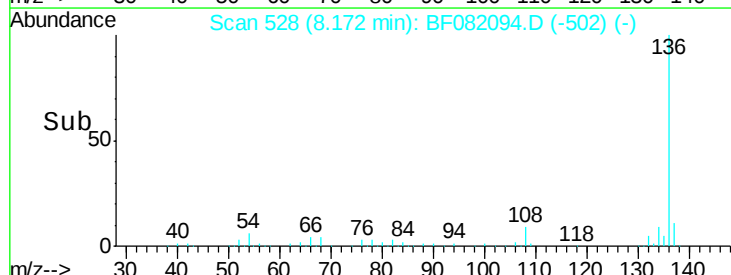
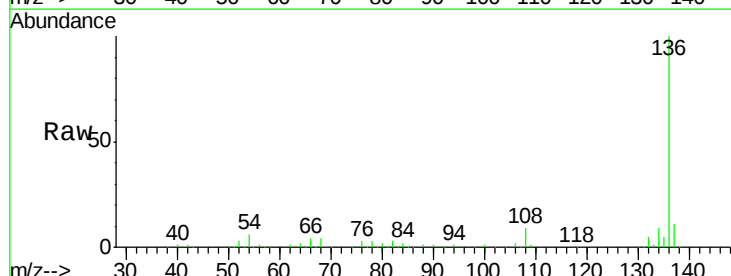
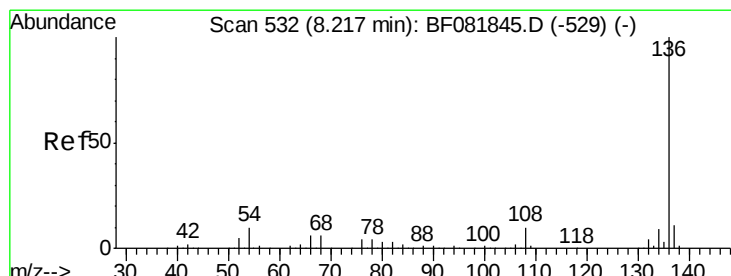
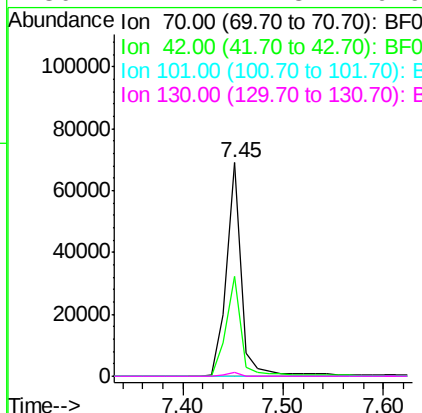




#19
n-Nitroso-di-n-propylamine
Concen: 19.35 ng
RT: 7.45 min Scan# 465
Delta R.T. 0.15 min
Lab File: BF082094.D
Acq: 6 Oct 2015 20:12

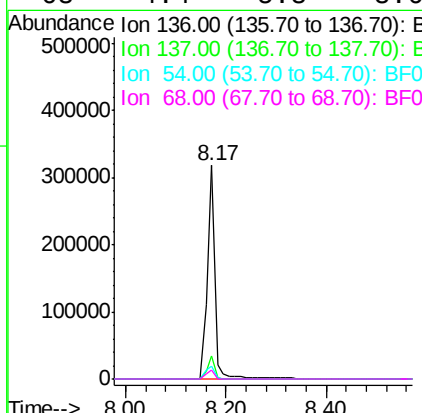
Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-02

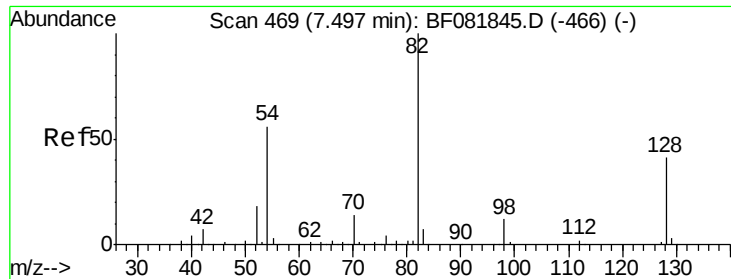
Tot Ion: 70 Resp: 72130
Ion Ratio Lower Upper
70 100
42 46.6 63.8 95.6#
101 0.0 9.2 13.8#
130 2.1 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF082094.D
Acq: 6 Oct 2015 20:12

Tgt Ion: 136 Resp: 335782
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.6
54 6.1 8.2 12.2#
68 4.4 5.8 8.6#

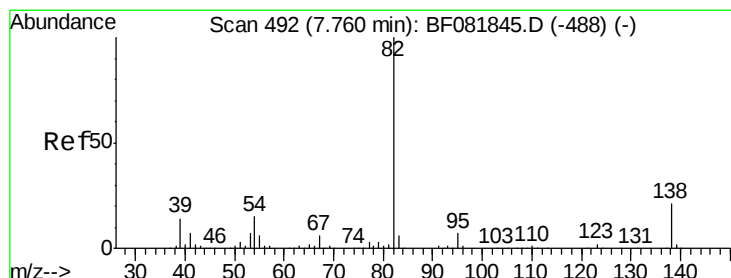
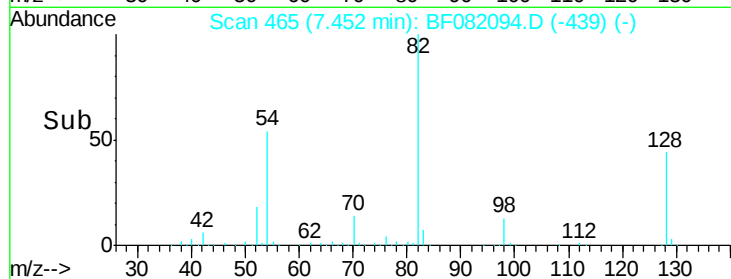
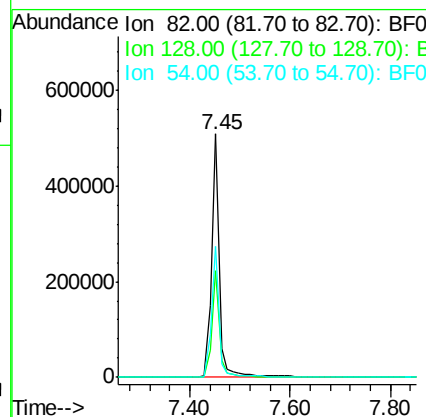
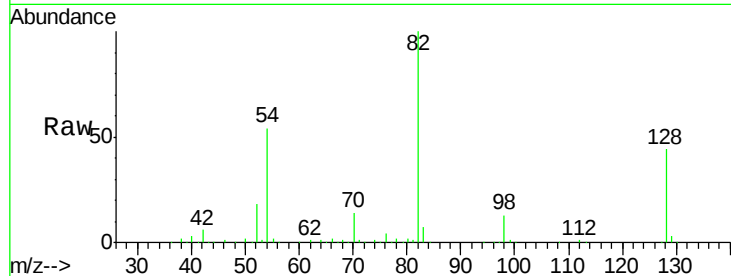




#23
 Nitrobenzene-d5
 Concen: 110.50 ng
 RT: 7.45 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: BF082094.D
 Acq: 6 Oct 2015 20:12

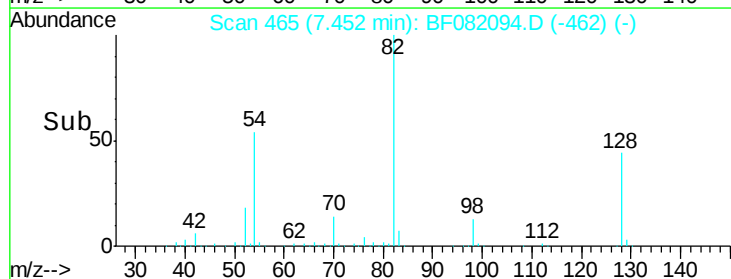
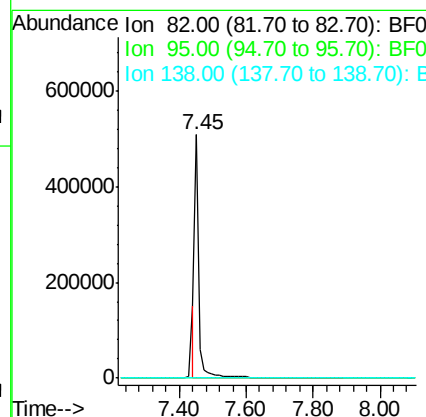
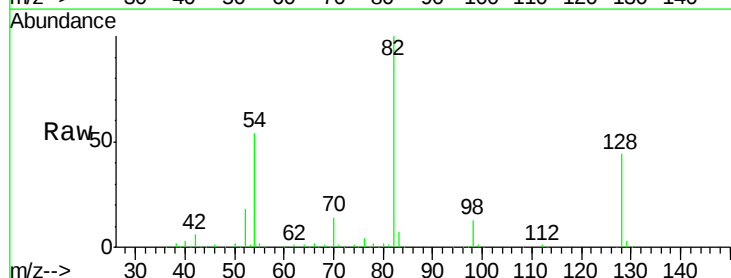
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-02

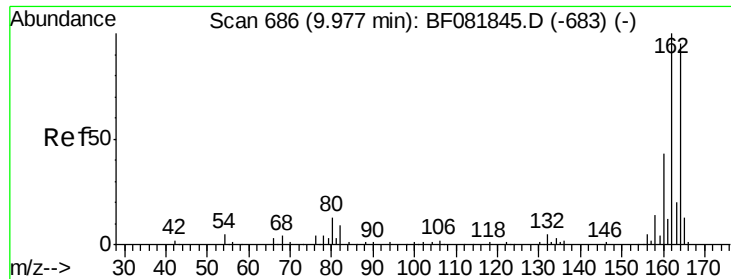
Tot Ion	82	Resp	556604
Ion Ratio	Lower	Upper	
82	100		
128	43.6	51.0	76.6#
54	54.0	47.5	71.3



#25
 Isophorone
 Concen: 44.54 ng
 RT: 7.45 min Scan# 465
 Delta R.T. -0.26 min
 Lab File: BF082094.D
 Acq: 6 Oct 2015 20:12

Tgt Ion	82	Resp	444664
Ion Ratio	Lower	Upper	
82	100		
95	0.0	4.0	6.0#
138	0.0	18.3	27.5#

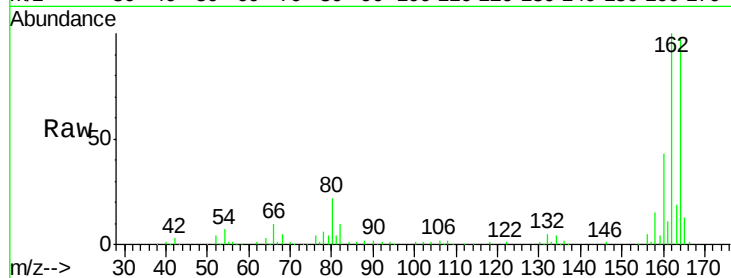




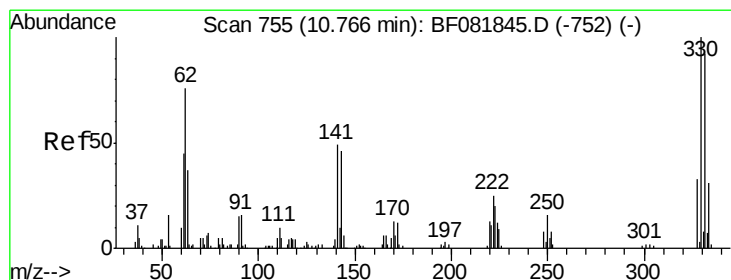
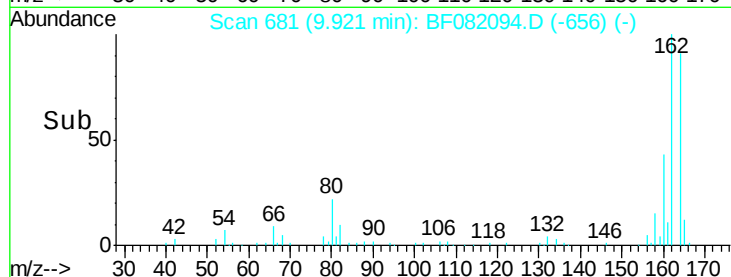
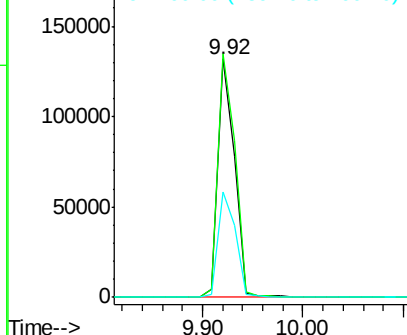
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF082094.D
 Acq: 6 Oct 2015 20:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-02

Tot Ion:164 Resp: 151044
 Ion Ratio Lower Upper
 164 100
 162 102.1 75.2 112.8
 160 44.2 31.5 47.3

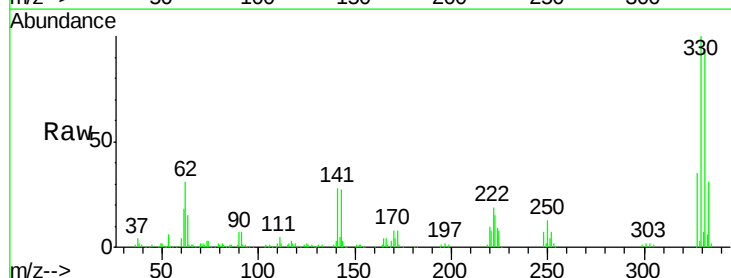


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

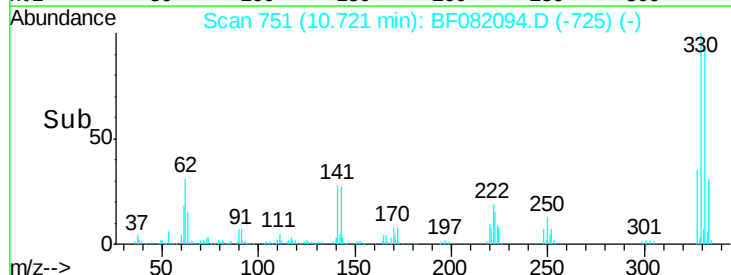
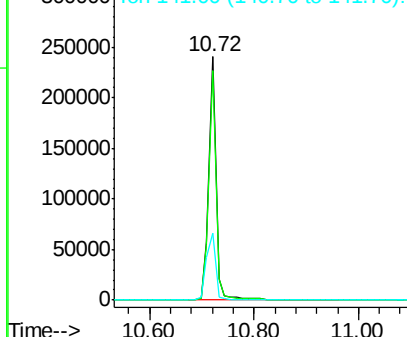


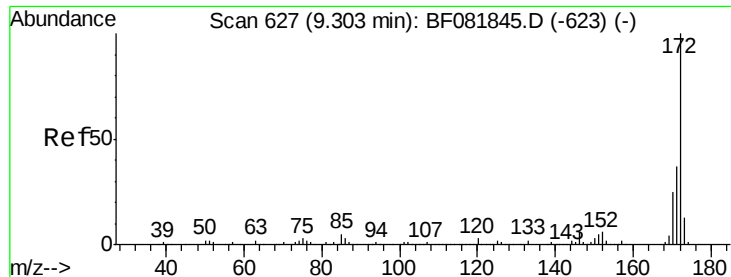
#41
 2,4,6-Tribromophenol
 Concen: 153.47 ng
 RT: 10.72 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF082094.D
 Acq: 6 Oct 2015 20:12

Tgt Ion:330 Resp: 234763
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 114.8
 141 34.9 29.7 44.5



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

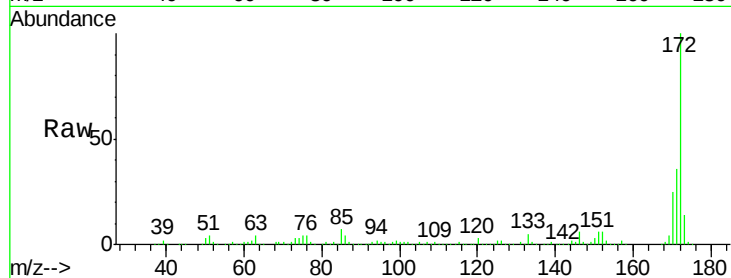




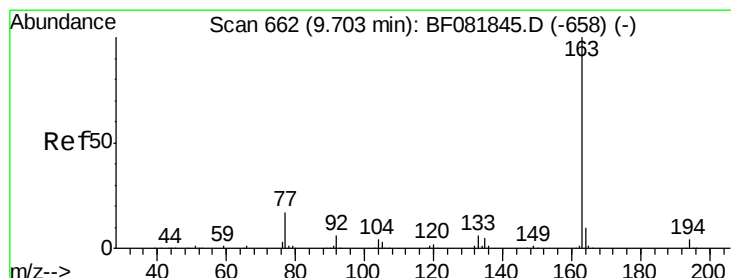
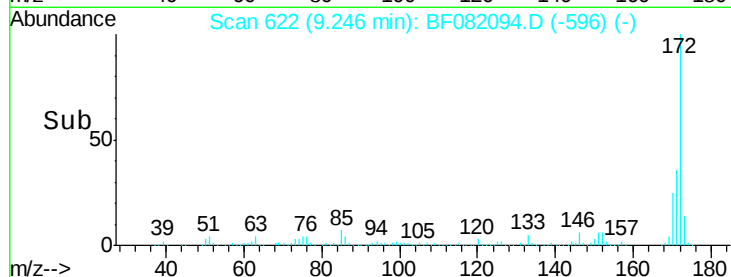
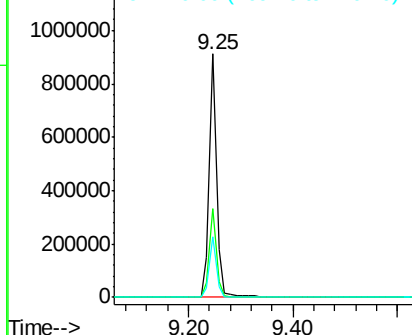
#44
 2-Fluorobiphenyl
 Concen: 104.81 ng
 RT: 9.25 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF082094.D
 Acq: 6 Oct 2015 20:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-02

Tot Ion:172 Resp: 903731
 Ion Ratio Lower Upper
 172 100
 171 36.2 26.1 39.1
 170 24.9 17.4 26.2

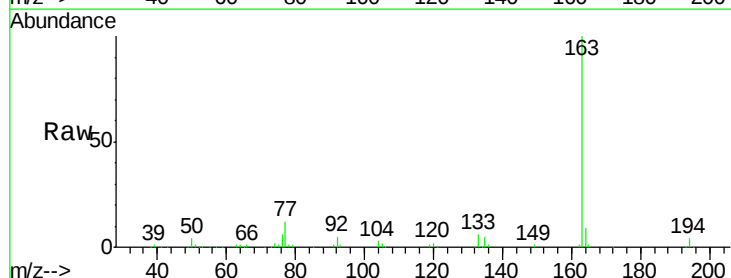


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

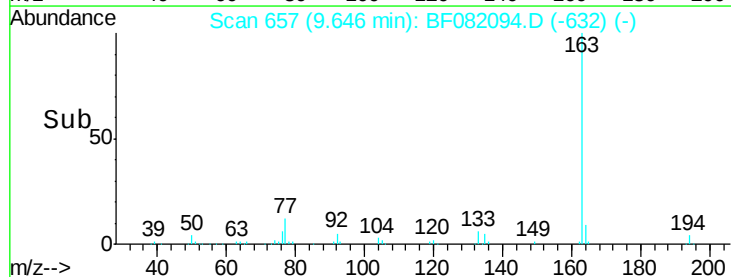
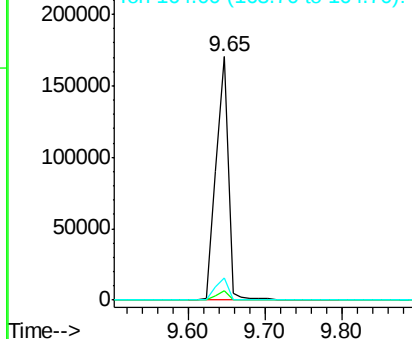


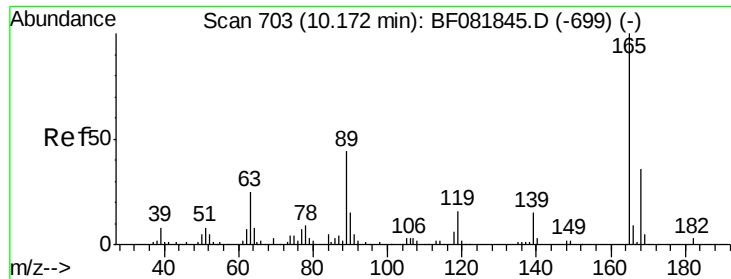
#49
 Dimethylphthalate
 Concen: 17.97 ng
 RT: 9.65 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: BF082094.D
 Acq: 6 Oct 2015 20:12

Tgt Ion:163 Resp: 187393
 Ion Ratio Lower Upper
 163 100
 194 3.8 4.4 6.6#
 164 9.2 8.3 12.5



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: 9.92 min Scan# 681

Delta R.T. -0.21 min

Lab File: BF082094.D

Acq: 6 Oct 2015 20:12

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-02

Tot Ion:165 Resp: 19332

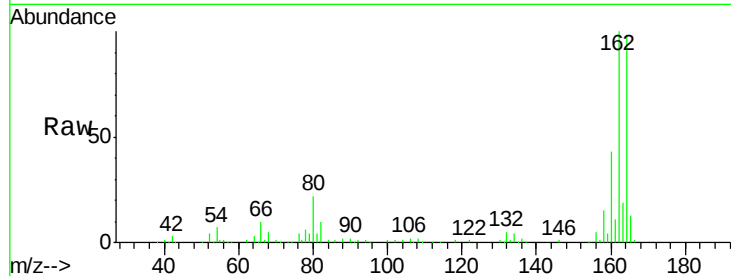
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

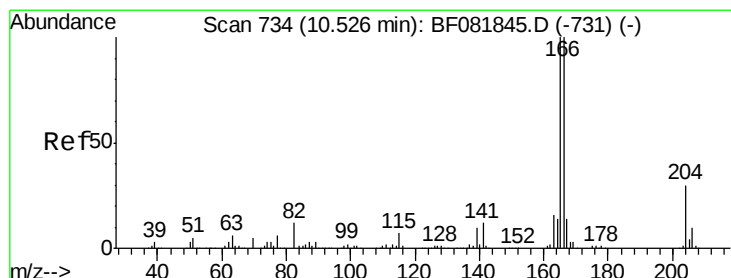
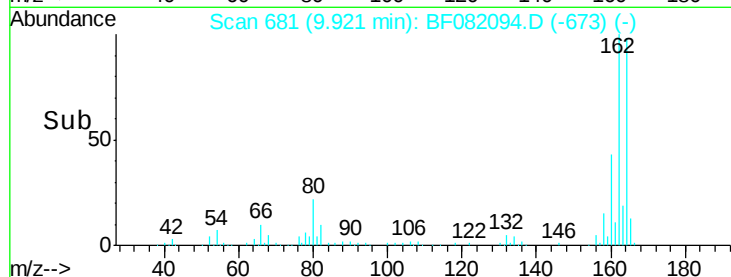
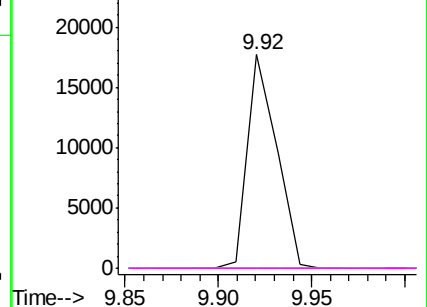


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

RT: 10.47 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF082094.D

Acq: 6 Oct 2015 20:12

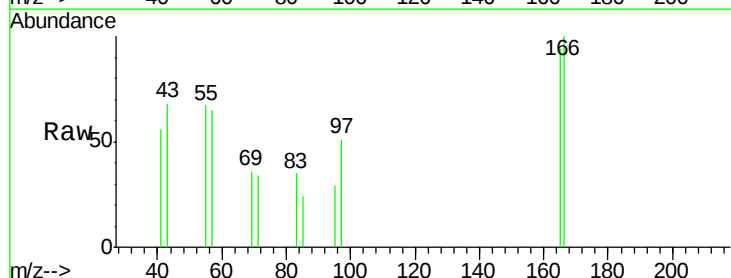
Tgt Ion:166 Resp: 1406

Ion Ratio Lower Upper

166 100

165 94.4 72.6 109.0

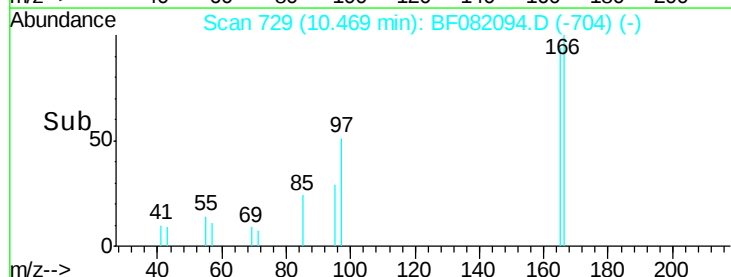
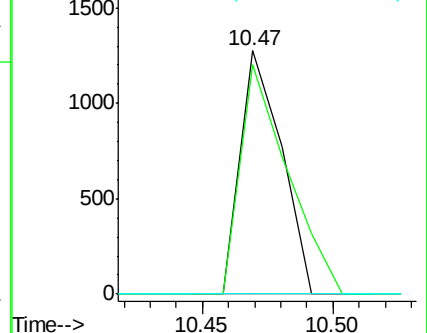
167 0.0 10.6 16.0#

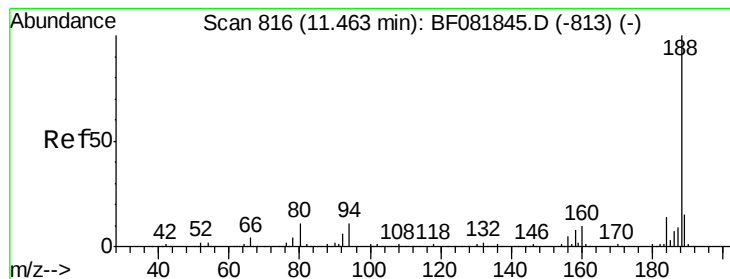


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.42 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF082094.D

Acq: 6 Oct 2015 20:12

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-02

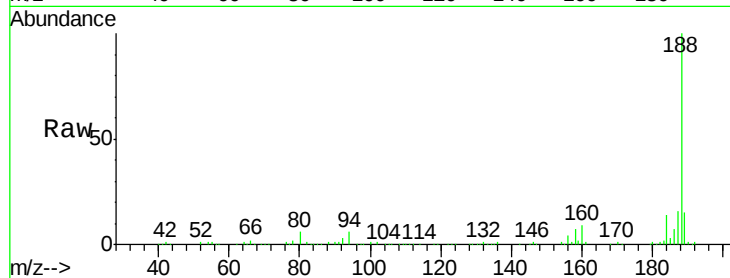
Tot Ion:188 Resp: 288558

Ion Ratio Lower Upper

188 100

94 5.6 11.1 16.7#

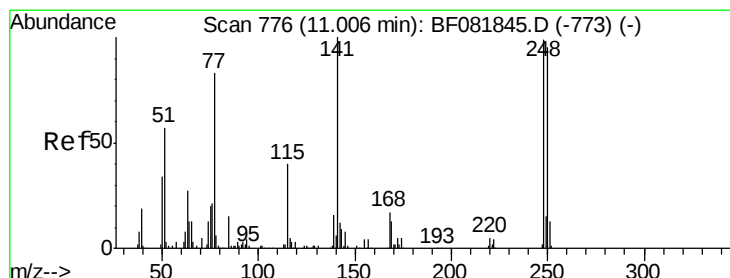
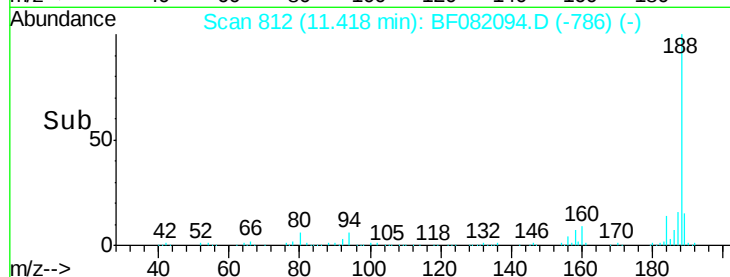
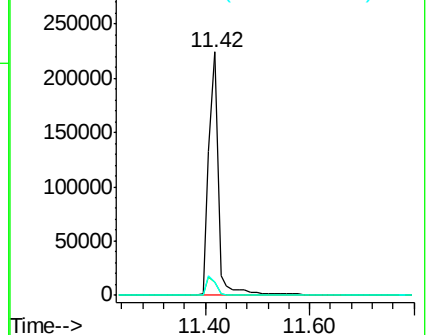
80 5.5 11.0 16.4#



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



#66

4-Bromophenyl-phenylether

Concen: 5.56 ng

RT: 10.72 min Scan# 751

Delta R.T. -0.24 min

Lab File: BF082094.D

Acq: 6 Oct 2015 20:12

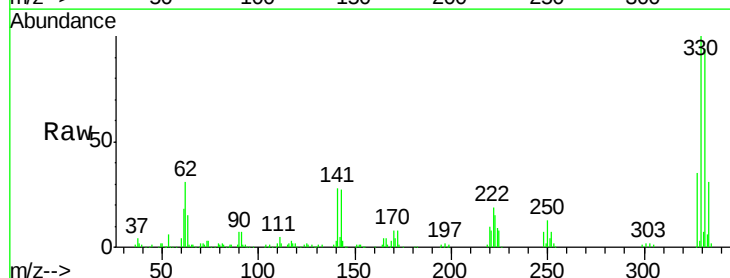
Tgt Ion:248 Resp: 16174

Ion Ratio Lower Upper

248 100

250 195.5 78.5 117.7#

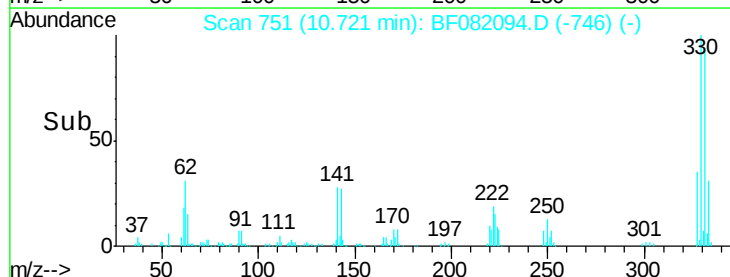
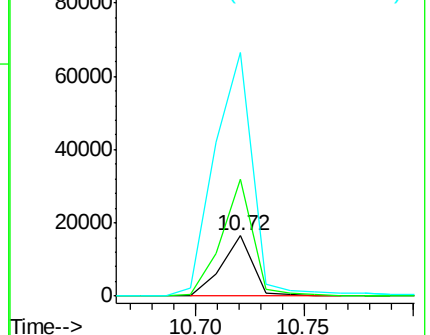
141 405.5 59.0 88.6#

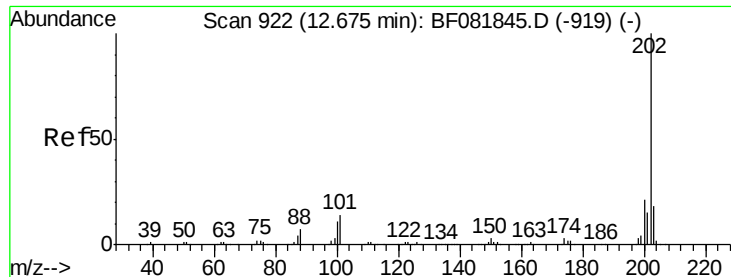


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.47 ng

RT: 12.63 min Scan# 918

Delta R.T. 0.00 min

Lab File: BF082094.D

Acq: 6 Oct 2015 20:12

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-02

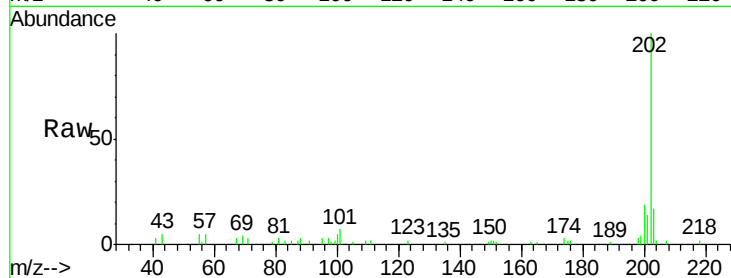
Tot Ion:202 Resp: 38145

Ion Ratio Lower Upper

202 100

101 6.6 0.0 38.3

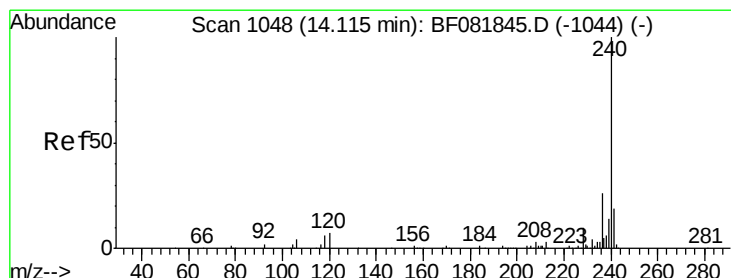
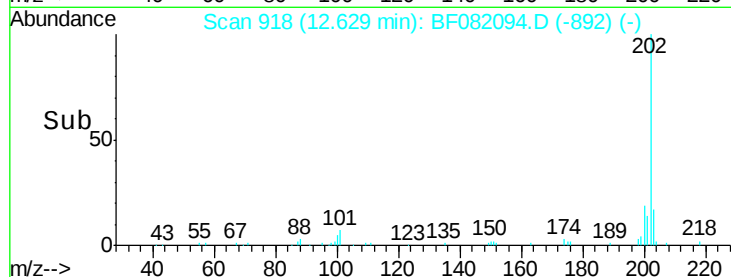
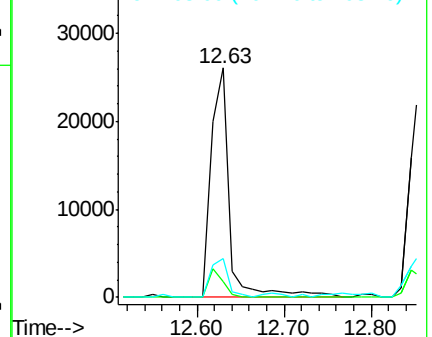
203 17.1 0.0 37.3



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: 14.06 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF082094.D

Acq: 6 Oct 2015 20:12

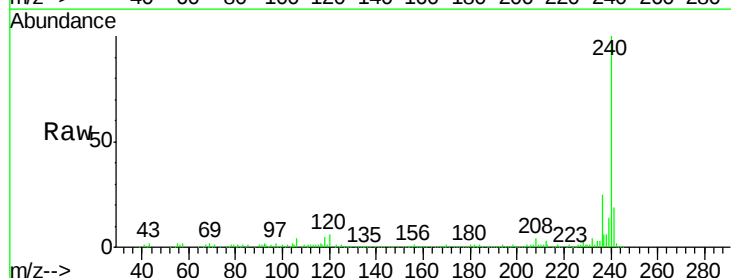
Tgt Ion:240 Resp: 230358

Ion Ratio Lower Upper

240 100

120 6.2 16.2 24.2#

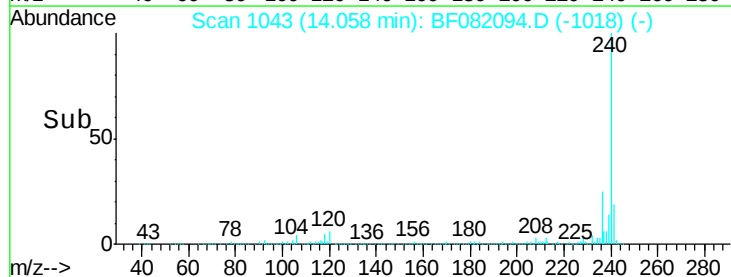
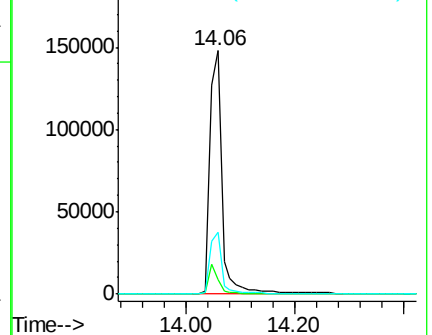
236 25.3 18.4 27.6

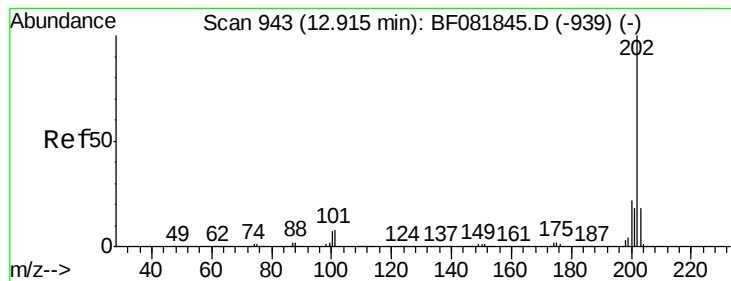


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.70 ng

RT: 12.86 min Scan# 938

Delta R.T. -0.00 min

Lab File: BF082094.D

Acq: 6 Oct 2015 20:12

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-02

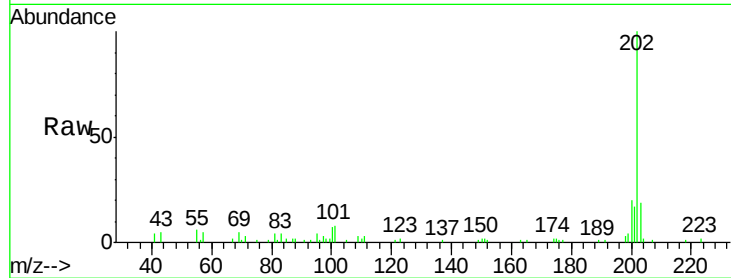
Tot Ion:202 Resp: 37151

Ion Ratio Lower Upper

202 100

200 19.8 15.0 22.4

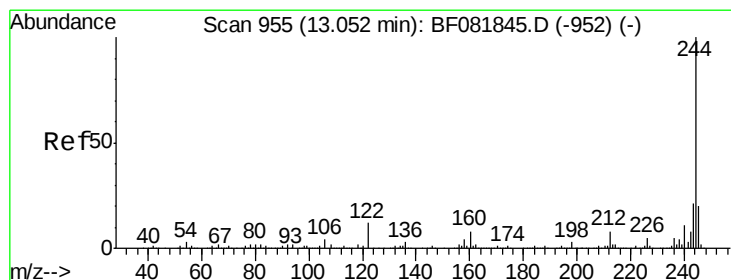
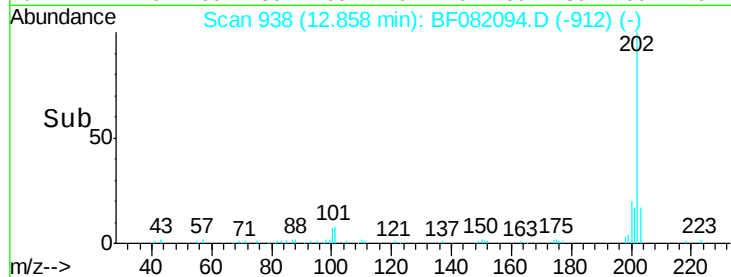
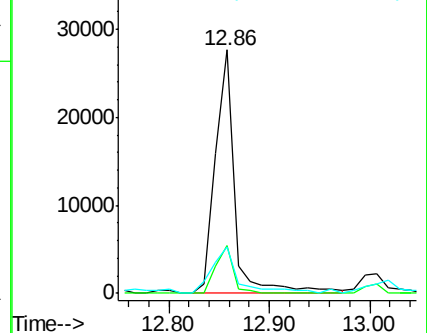
203 18.9 14.1 21.1



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: 153.93 ng

RT: 13.01 min Scan# 951

Delta R.T. 0.00 min

Lab File: BF082094.D

Acq: 6 Oct 2015 20:12

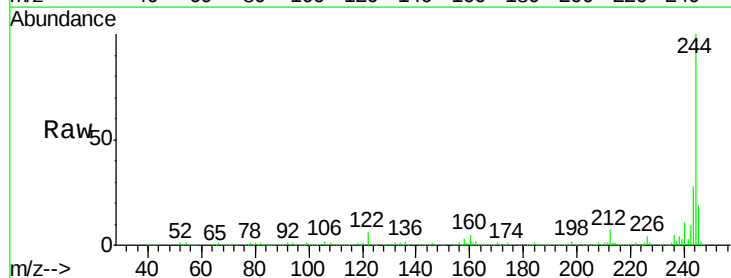
Tgt Ion:244 Resp: 862548

Ion Ratio Lower Upper

244 100

212 6.6 4.3 6.5#

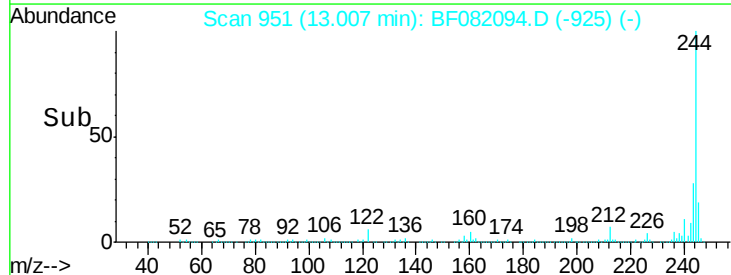
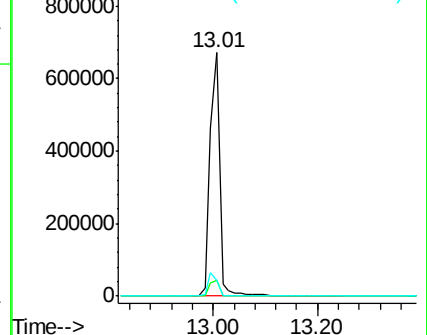
122 6.5 17.4 26.2#

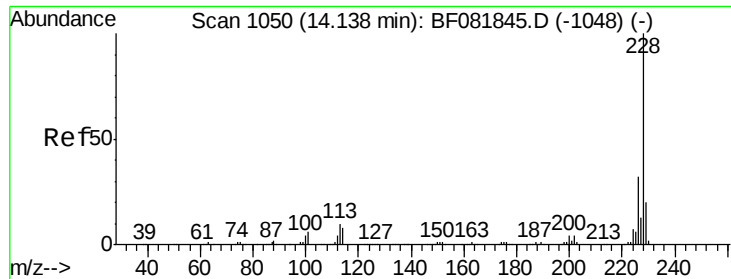


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.19 ng

RT: 14.05 min Scan# 1042

Delta R.T. -0.05 min

Lab File: BF082094.D

Acq: 6 Oct 2015 20:12

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-02

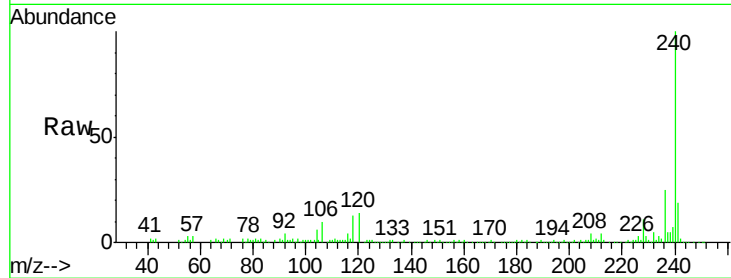
Tot Ion:228 Resp: 21413

Ion Ratio Lower Upper

228 100

226 29.8 21.0 31.4

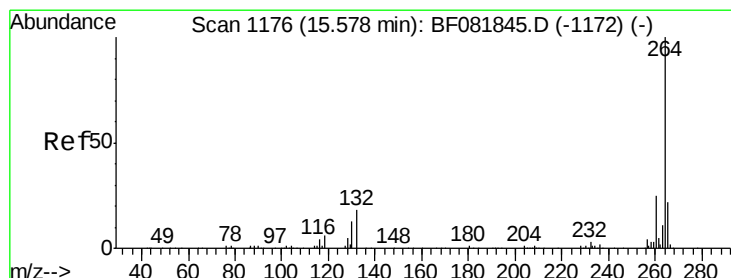
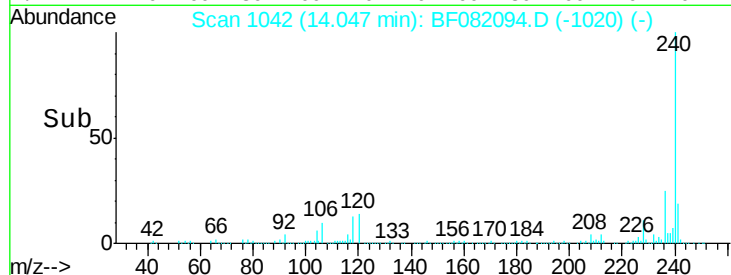
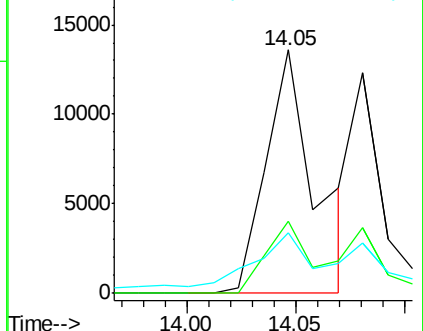
229 24.8 15.6 23.4#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.51 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BF082094.D

Acq: 6 Oct 2015 20:12

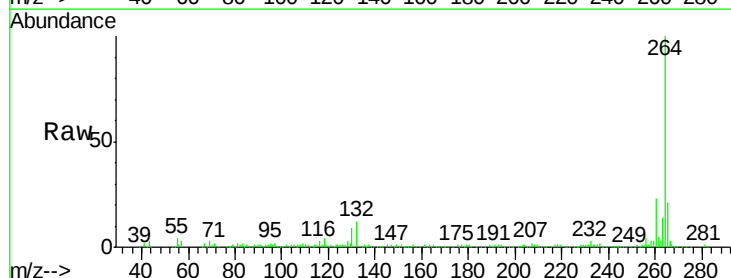
Tgt Ion:264 Resp: 203091

Ion Ratio Lower Upper

264 100

260 23.4 16.7 25.1

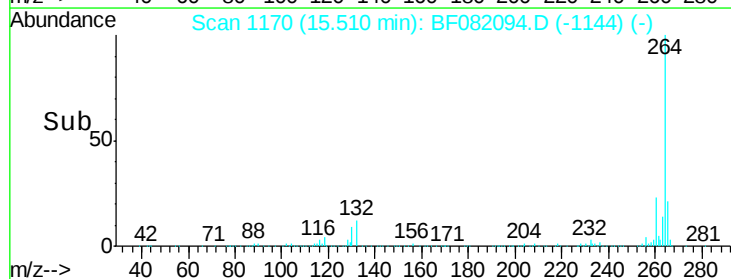
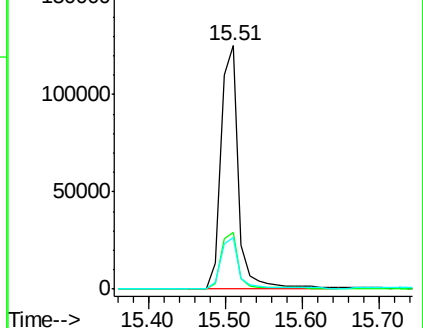
265 21.4 17.2 25.8

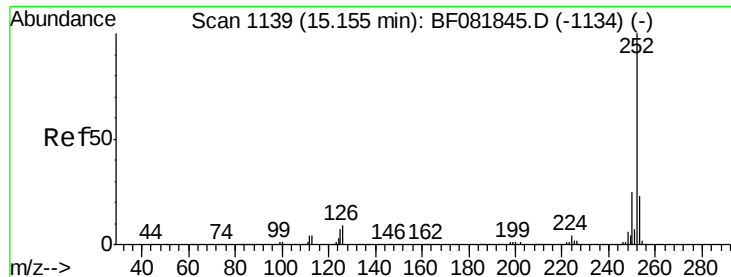


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.31 ng

RT: 15.09 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BF082094.D

Acq: 6 Oct 2015 20:12

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-02

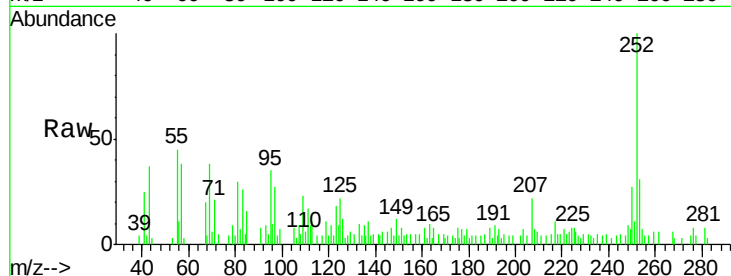
Tot Ion:252 Resp: 26823

Ion Ratio Lower Upper

252 100

253 31.1 17.5 26.3#

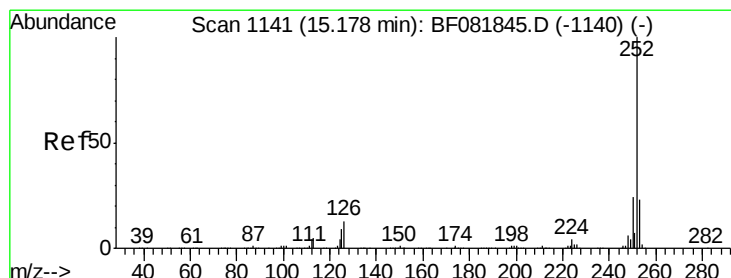
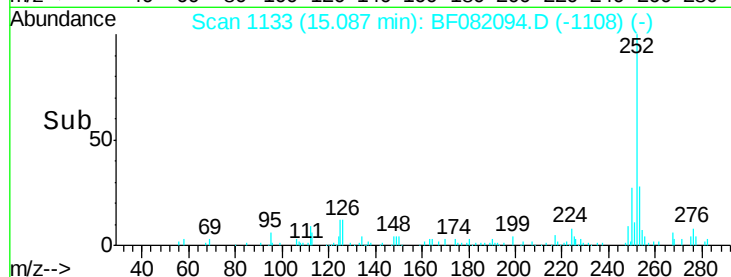
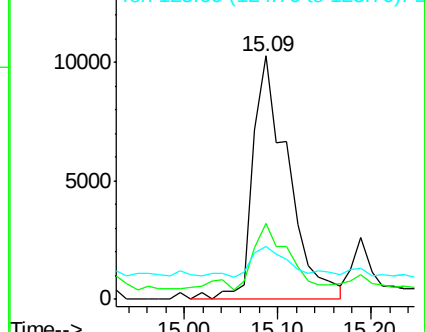
125 21.7 17.1 25.7



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: 2.52 ng

RT: 15.09 min Scan# 1133

Delta R.T. -0.03 min

Lab File: BF082094.D

Acq: 6 Oct 2015 20:12

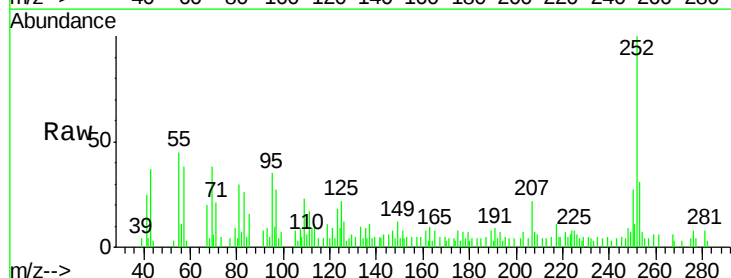
Tgt Ion:252 Resp: 26823

Ion Ratio Lower Upper

252 100

253 31.1 17.0 25.4#

125 21.7 16.0 24.0



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

