

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101015\
 Data File : BF082205.D
 Acq On : 11 Oct 2015 5:40
 Operator : UM/IZ
 Sample : G3979-08
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 12 03:05:33 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 02:59:50 2015
 Response via : Initial Calibration

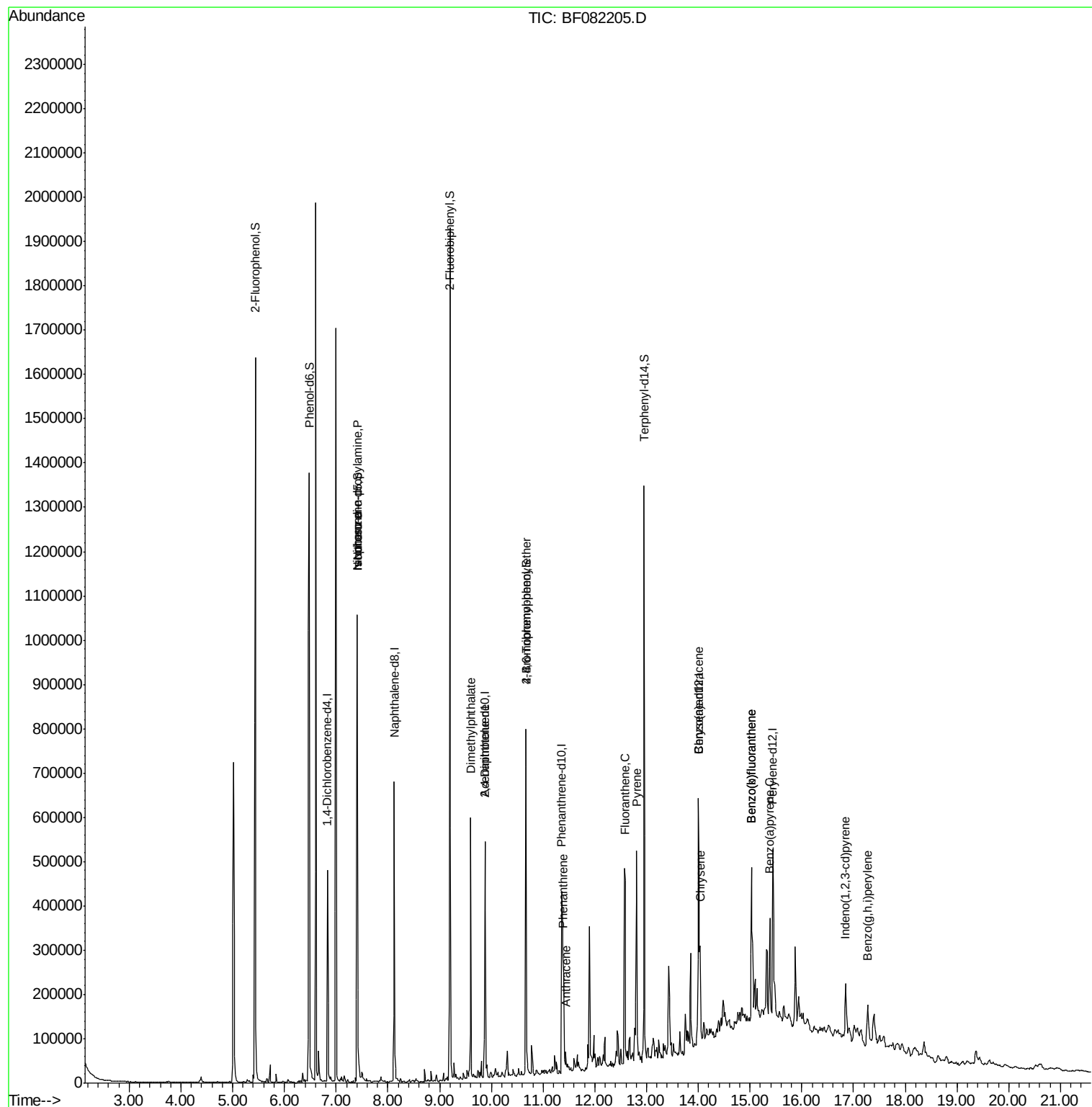
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	85503	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	322176	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	140649	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	230038	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	191546	20.00	ng	-0.01
86) Perylene-d12	15.44	264	194403	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	531002	125.34	ng	0.01
7) Phenol-d6	6.48	99	675114	122.45	ng	0.00
23) Nitrobenzene-d5	7.41	82	387270	80.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	145713	110.47	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	671014	79.12	ng	-0.01
78) Terphenyl-d14	12.95	244	472712	65.40	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	51559	13.32	ng	# 80
25) Isophorone	7.41	82	332128	34.30	ng	# 66
49) Dimethylphthalate	9.60	163	239890	24.22	ng	99
56) 2,4-Dinitrotoluene	9.87	165	18001	6.89	ng	# 22
66) 4-Bromophenyl-phenylether	10.67	248	9730	4.23	ng	# 1
70) Phenanthrene	11.39	178	146312	12.98	ng	98
71) Anthracene	11.44	178	24060	2.07	ng	97
74) Fluoranthene	12.58	202	286250	23.64	ng	96
77) Pyrene	12.81	202	238804	21.01	ng	97
80) Benzo(a)anthracene	14.00	228	116147	11.65	ng	96
82) Chrysene	14.04	228	121393	11.56	ng	99
85) Indeno(1,2,3-cd)pyrene	16.85	276	81344	9.75	ng	96
87) Benzo(b)fluoranthene	15.03	252	264590	22.37	ng	99
88) Benzo(k)fluoranthene	15.03	252	264590	26.62	ng	# 98
89) Benzo(a)pyrene	15.38	252	118687	11.68	ng	98
91) Benzo(g,h,i)perylene	17.27	276	75705	9.36	ng	97

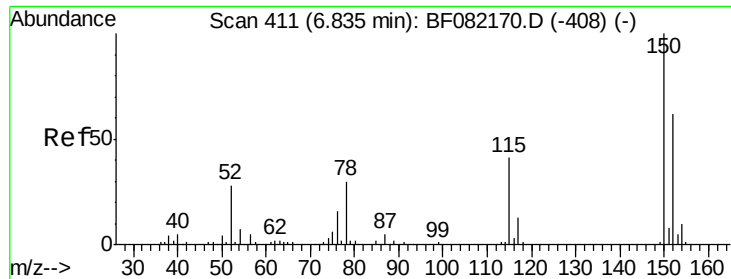
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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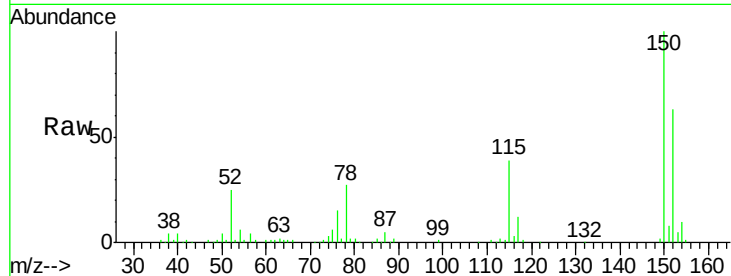


#1

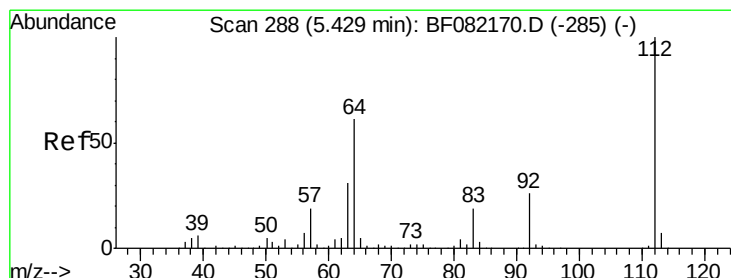
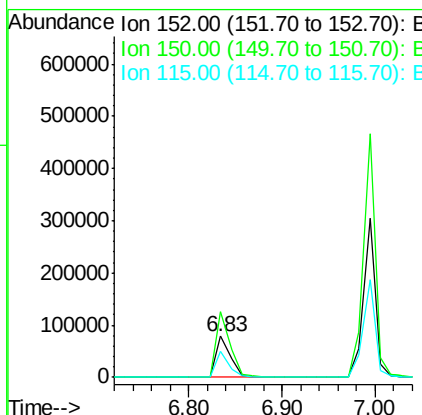
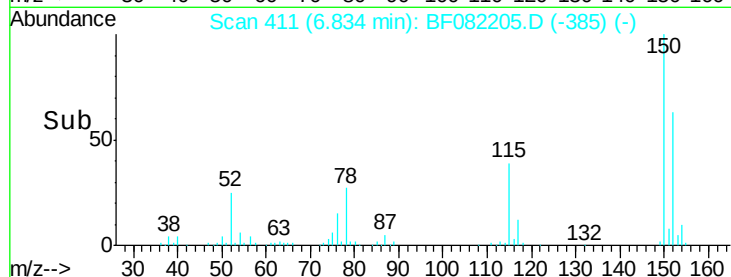
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF082205.D
Acq: 11 Oct 2015 5:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 85503
Ion Ratio Lower Upper
152 100
150 157.9 129.0 193.4
115 62.3 52.1 78.1



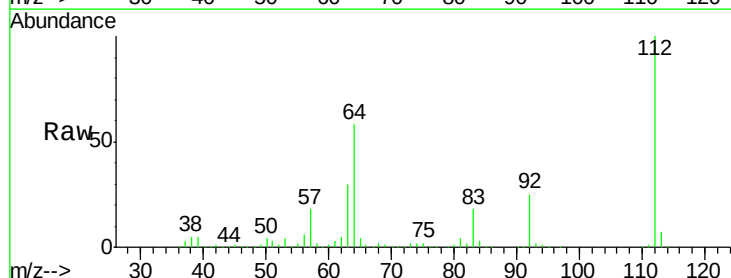
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



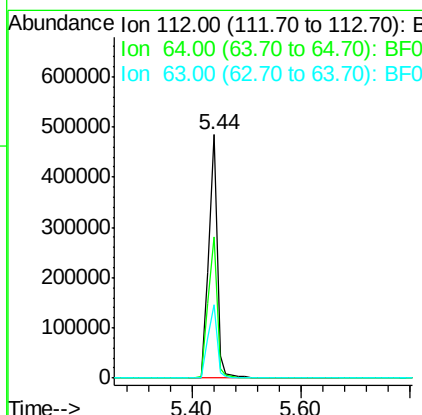
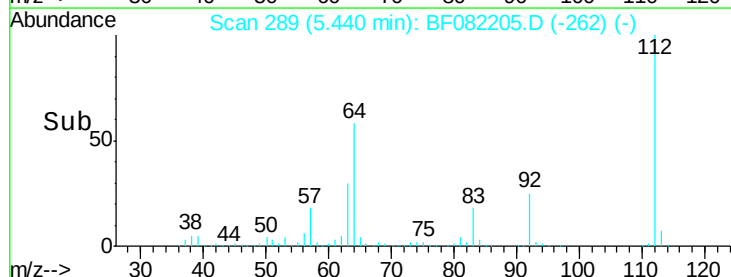
#5

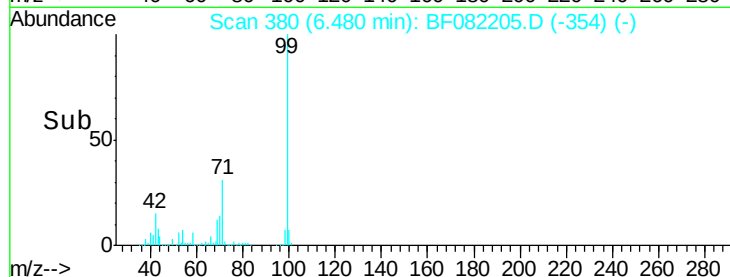
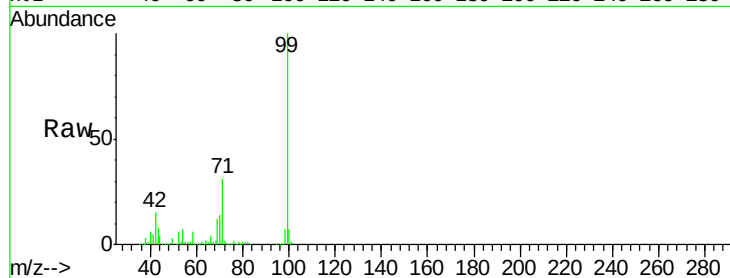
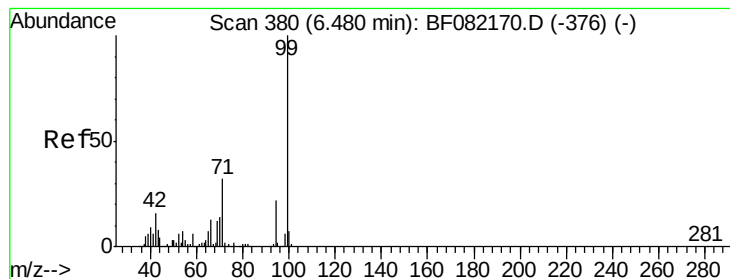
2-Fluorophenol
Concen: 125.34 ng
RT: 5.44 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF082205.D
Acq: 11 Oct 2015 5:40

Tgt Ion:112 Resp: 531002
Ion Ratio Lower Upper
112 100
64 57.7 48.6 73.0
63 30.3 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: 122.45 ng

RT: 6.48 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

Instrument :

BNA_F

ClientSampleId :

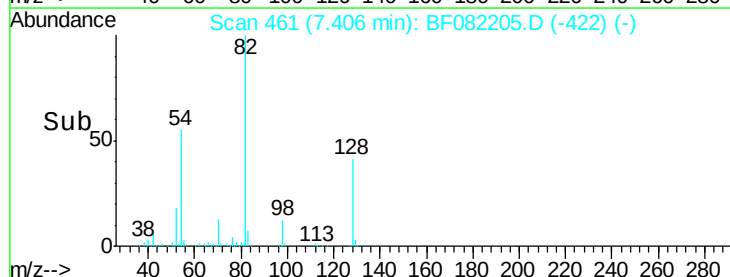
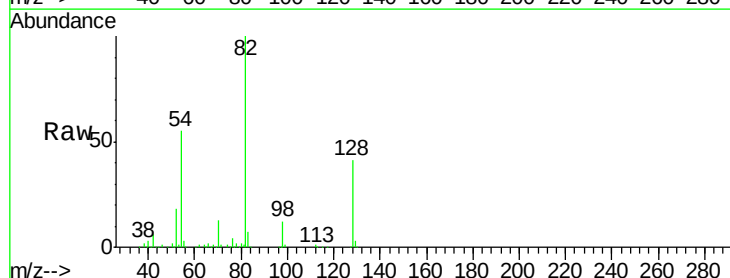
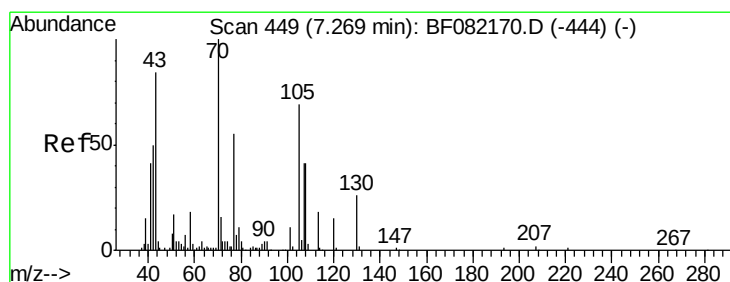
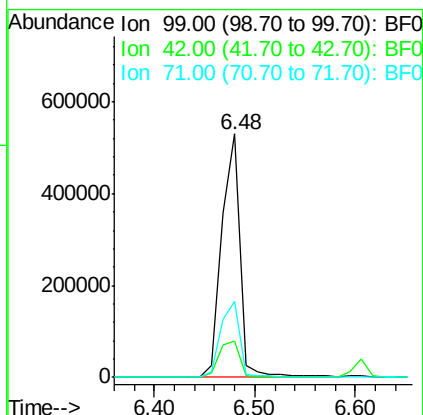
Tot Ion: 99 Resp: 675114

Ion Ratio Lower Upper

99 100

42 15.0 13.2 19.8

71 31.0 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.32 ng

RT: 7.41 min Scan# 461

Delta R.T. 0.15 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

Tgt Ion: 70 Resp: 51559

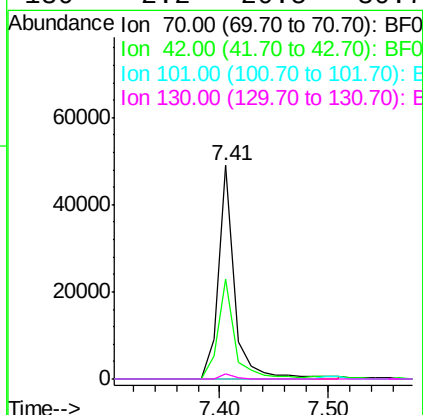
Ion Ratio Lower Upper

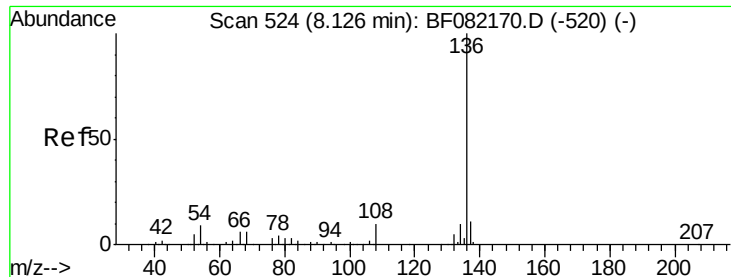
70 100

42 47.0 39.8 59.8

101 0.0 8.6 13.0#

130 2.2 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 322176

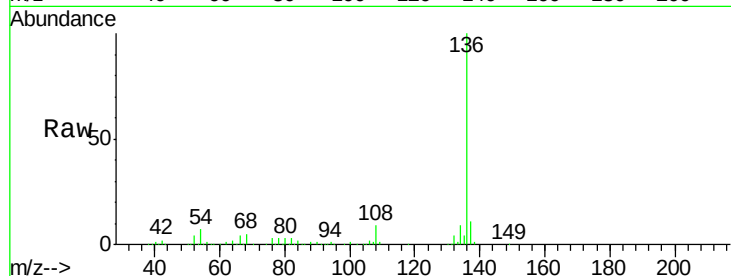
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 7.2 7.5 11.3#

68 4.6 4.6 7.0#

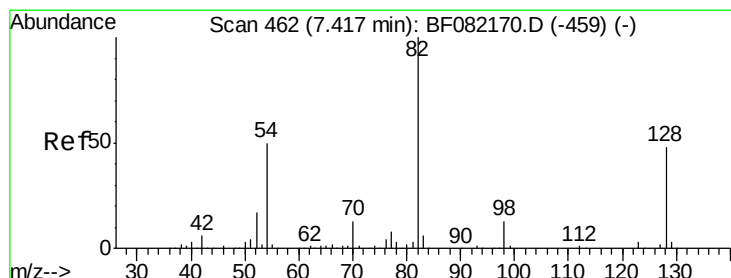
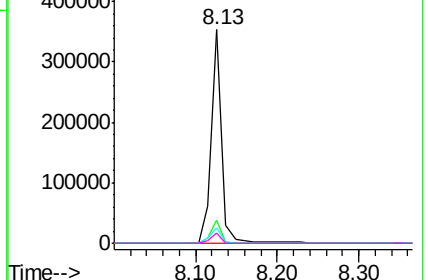
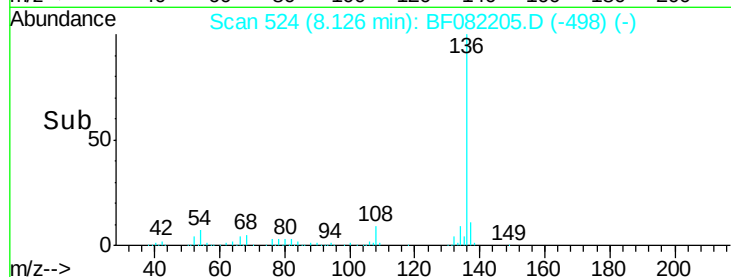


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.72 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

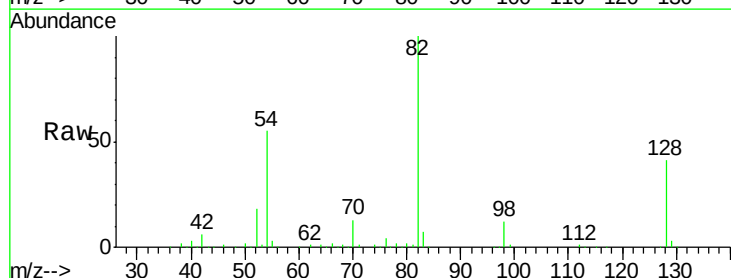
Tgt Ion: 82 Resp: 387270

Ion Ratio Lower Upper

82 100

128 41.4 38.7 58.1

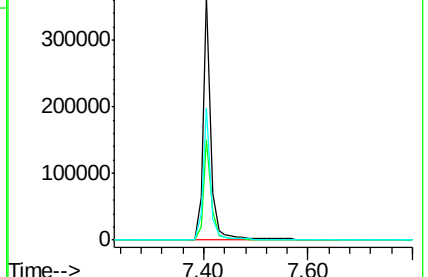
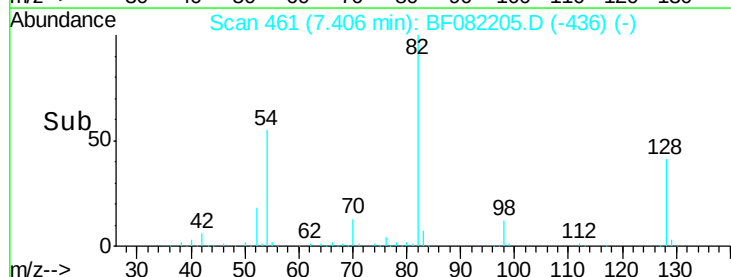
54 54.5 40.1 60.1

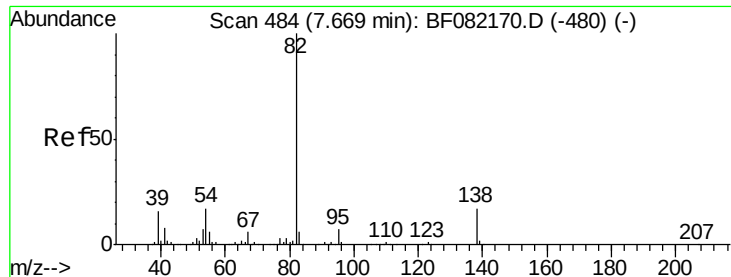


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 34.30 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.26 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

Instrument :

BNA_F

ClientSampled :

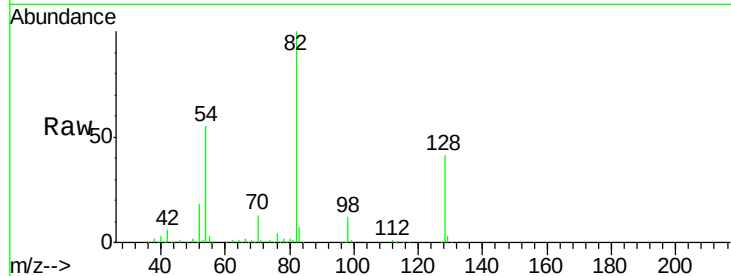
Tot Ion: 82 Resp: 332128

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

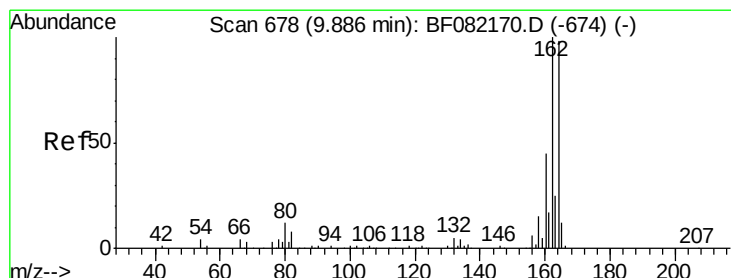
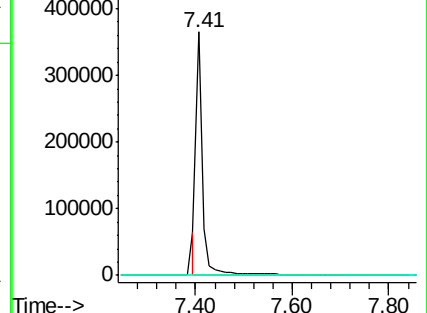
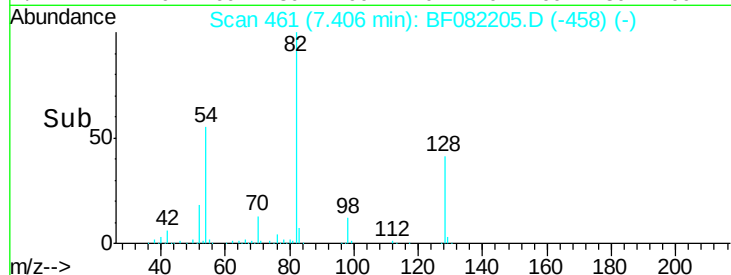
138 0.0 13.6 20.4#



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: 9.87 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

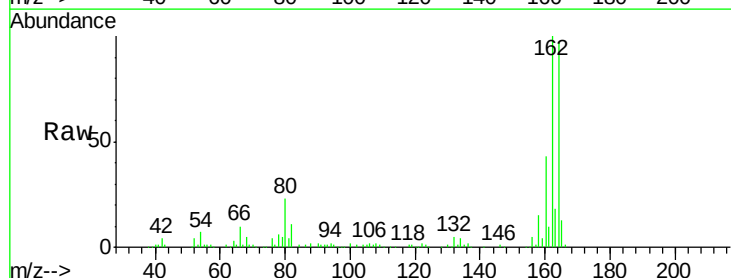
Tgt Ion: 164 Resp: 140649

Ion Ratio Lower Upper

164 100

162 103.4 81.6 122.4

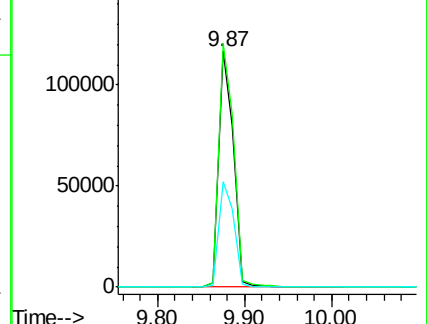
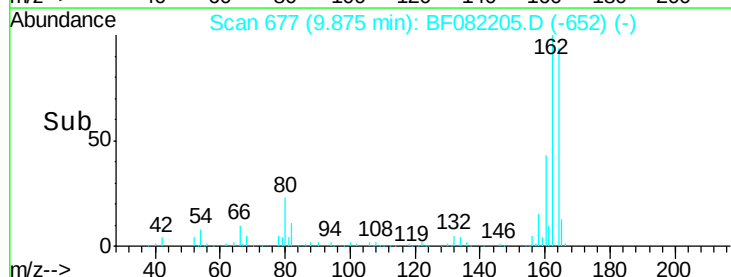
160 44.6 36.4 54.6

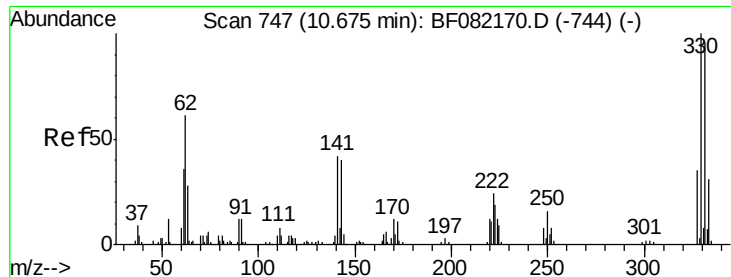


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

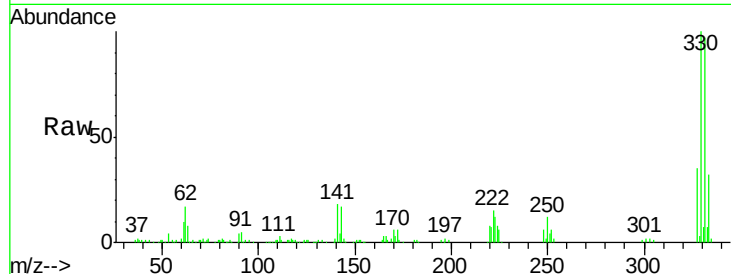




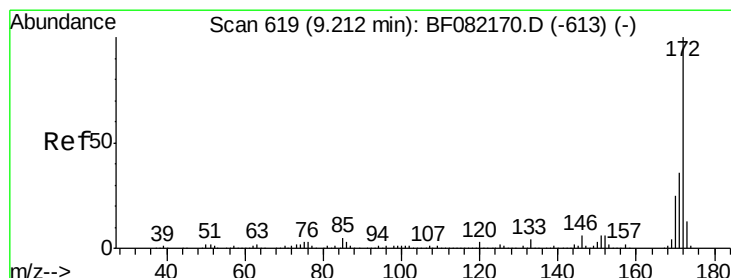
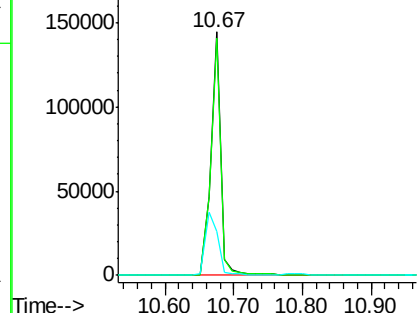
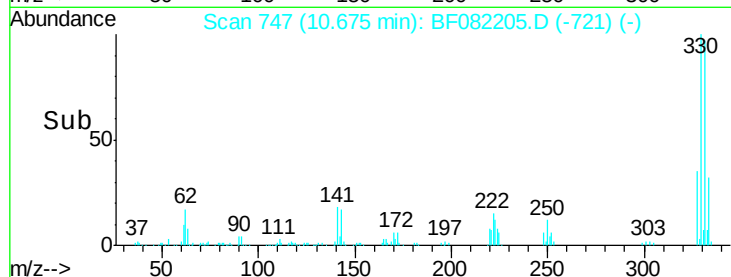
#41
 2,4,6-Tribromophenol
 Concen: 110.47 ng
 RT: 10.67 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF082205.D
 Acq: 11 Oct 2015 5:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.1	115.7
141	33.3	29.8	44.8

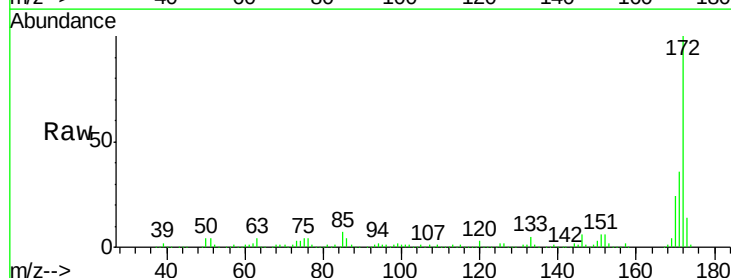


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

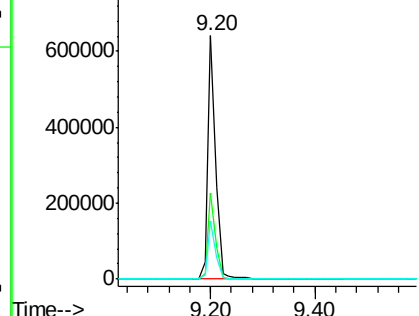
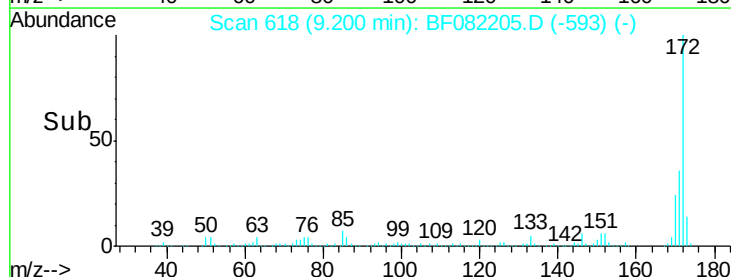


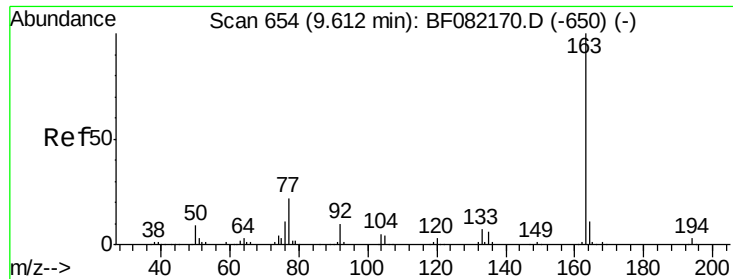
#44
 2-Fluorobiphenyl
 Concen: 79.12 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF082205.D
 Acq: 11 Oct 2015 5:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.8	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

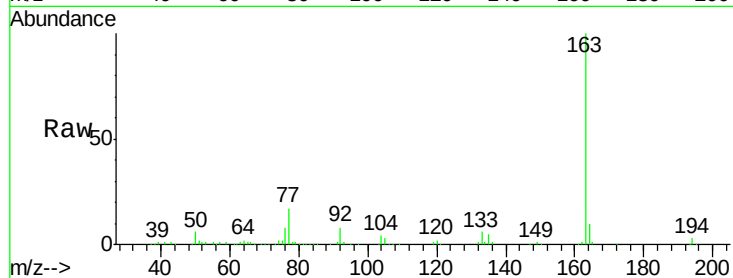




#49
Dimethylphthalate
Concen: 24.22 ng
RT: 9.60 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF082205.D
Acq: 11 Oct 2015 5:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.1	8.5	12.7

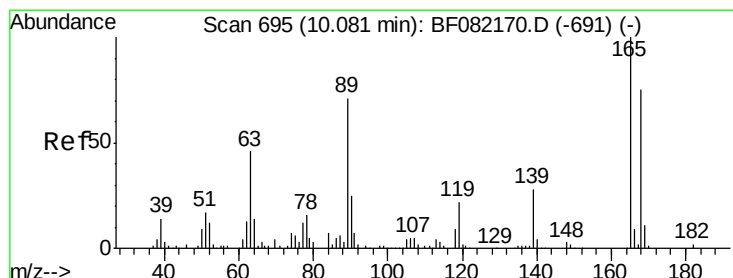
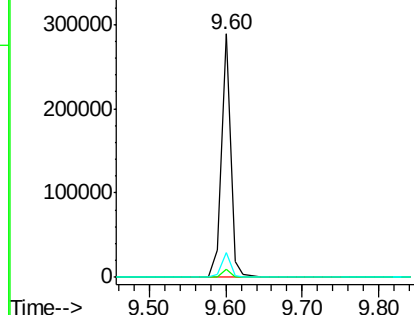
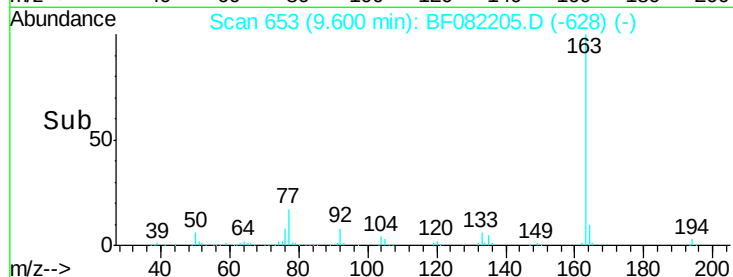


Abundance

Ion 163.00 (162.70 to 163.70): E

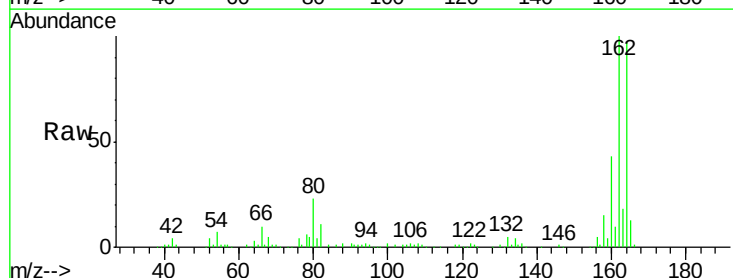
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56
2,4-Dinitrotoluene
Concen: 6.89 ng
RT: 9.87 min Scan# 677
Delta R.T. -0.21 min
Lab File: BF082205.D
Acq: 11 Oct 2015 5:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	38.6	58.0#
89	0.0	57.0	85.6#
182	0.0	1.8	2.6#



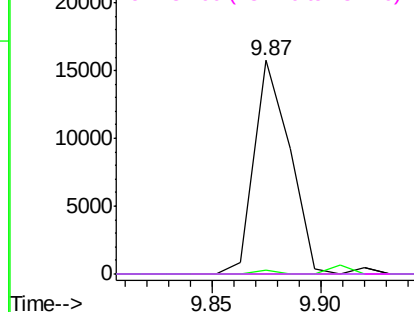
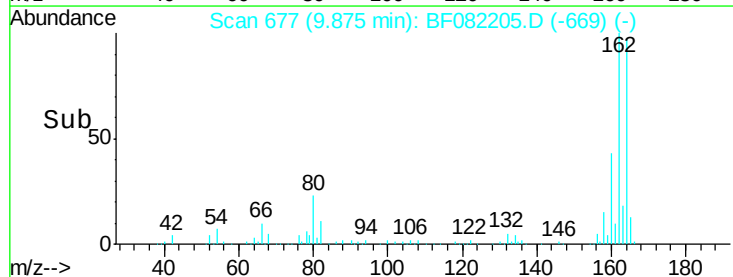
Abundance

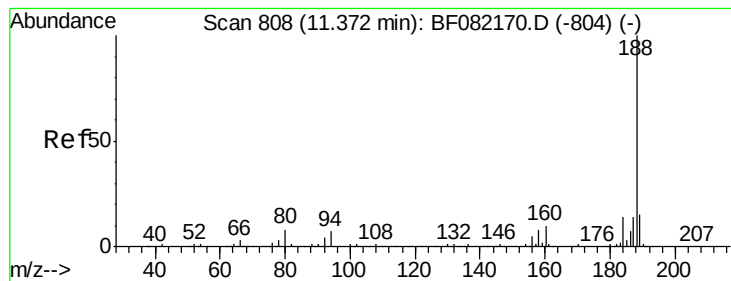
Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

Instrument :

BNA_F

ClientSampleId :

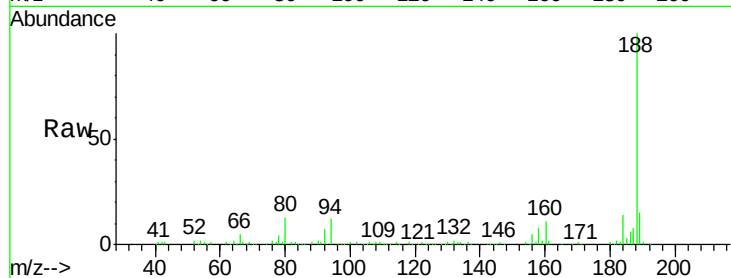
Tot Ion:188 Resp: 230038

Ion Ratio Lower Upper

188 100

94 11.6 5.8 8.6#

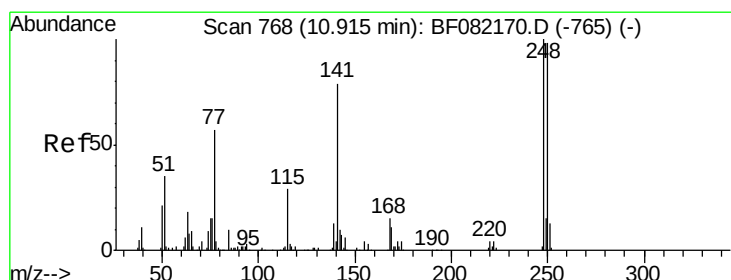
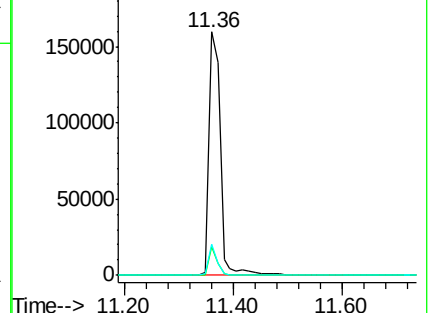
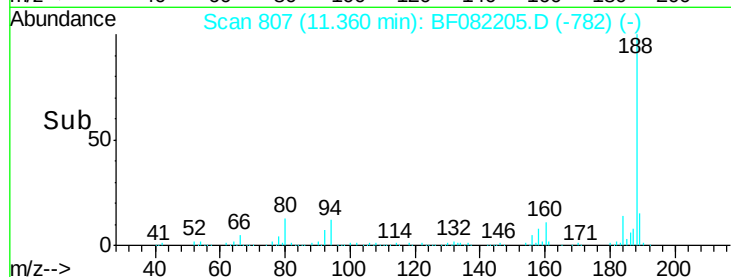
80 12.9 6.4 9.6#



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



#66

4-Bromophenyl-phenylether

Concen: 4.23 ng

RT: 10.67 min Scan# 747

Delta R.T. -0.24 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

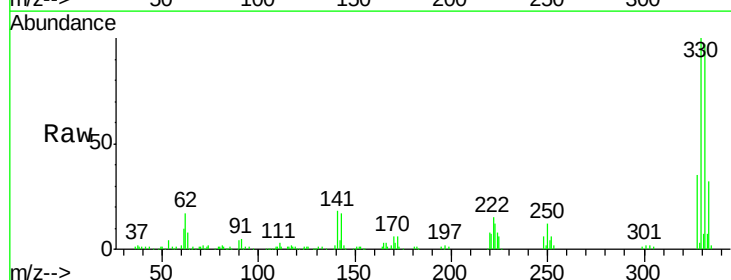
Tgt Ion:248 Resp: 9730

Ion Ratio Lower Upper

248 100

250 197.9 78.6 117.8#

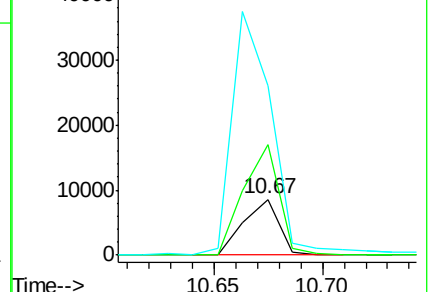
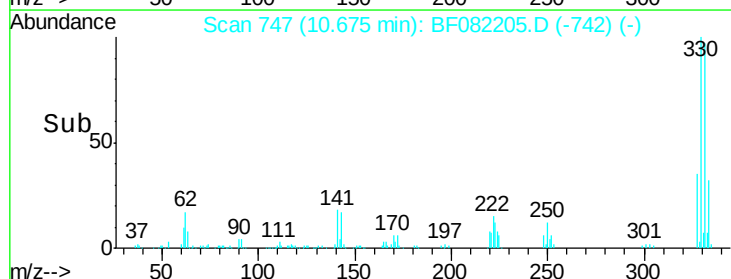
141 302.6 63.3 94.9#

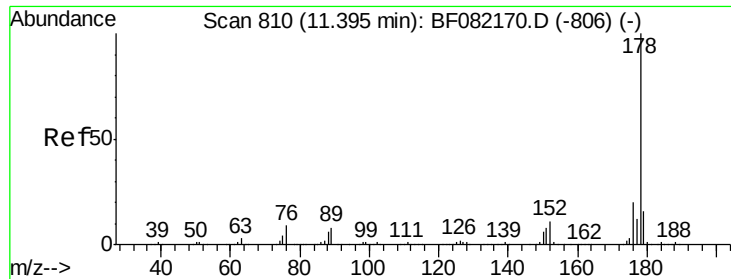


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 12.98 ng

RT: 11.39 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

Instrument :

BNA_F

ClientSampleId :

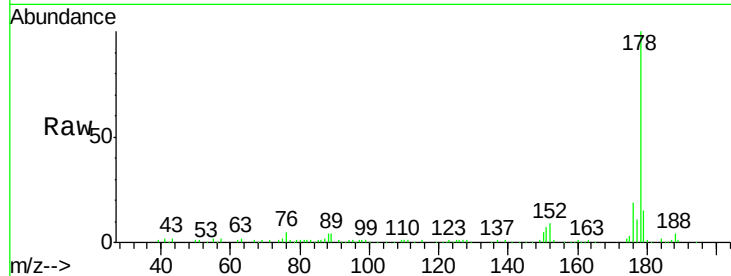
Tot Ion:178 Resp: 146312

Ion Ratio Lower Upper

178 100

176 18.9 16.0 24.0

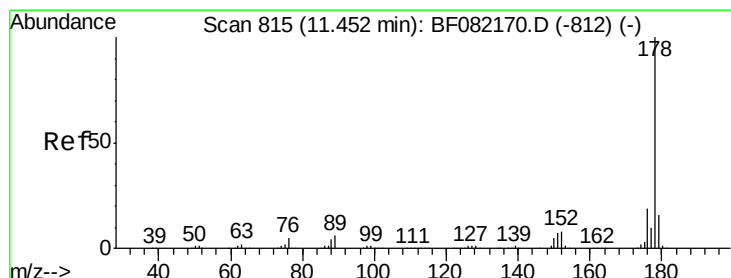
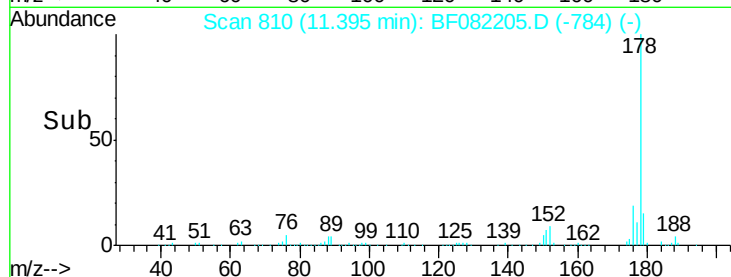
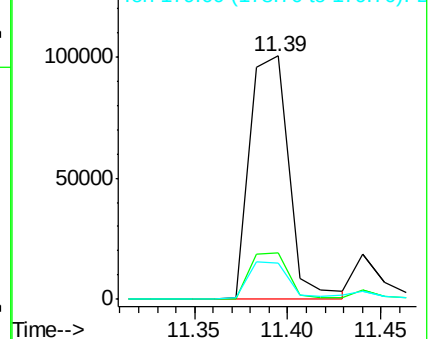
179 14.7 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.07 ng

RT: 11.44 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

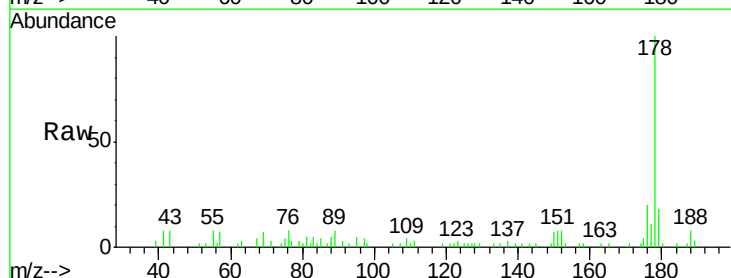
Tgt Ion:178 Resp: 24060

Ion Ratio Lower Upper

178 100

176 20.1 15.4 23.0

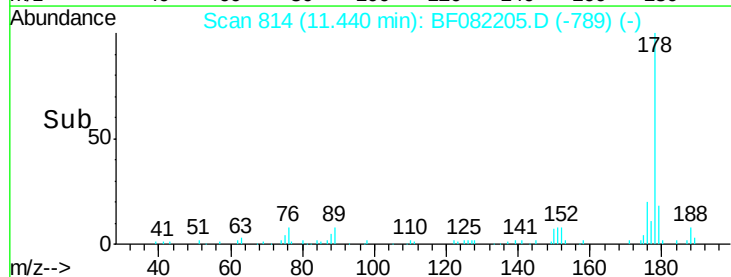
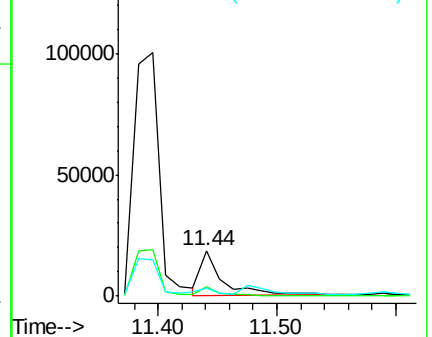
179 17.7 12.5 18.7

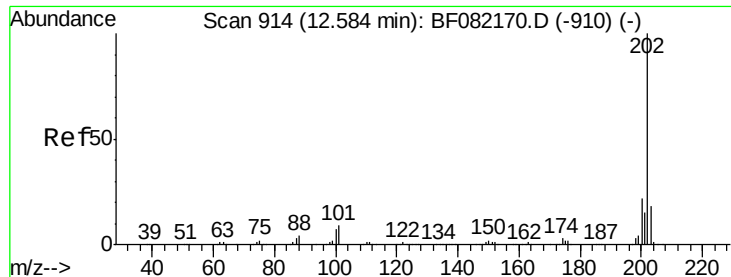


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 23.64 ng

RT: 12.58 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF082205.D

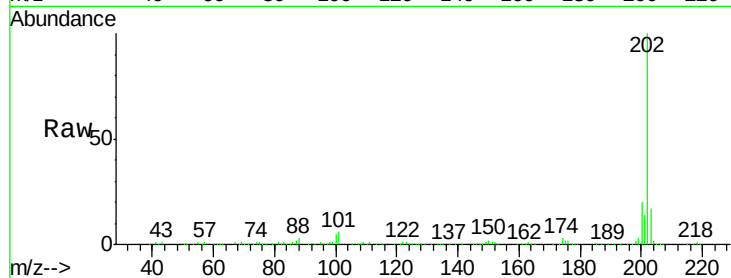
Acq: 11 Oct 2015 5:40

Instrument :

BNA_F

ClientSampleId :

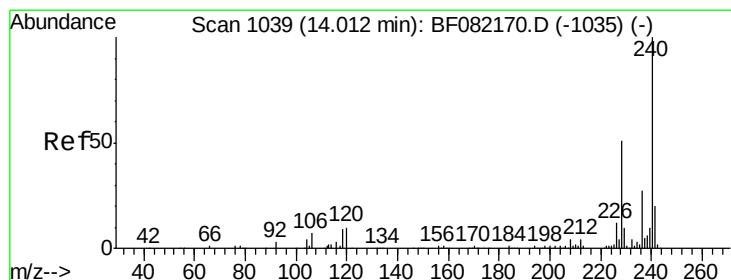
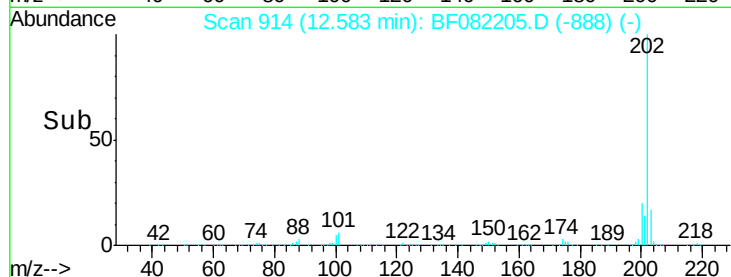
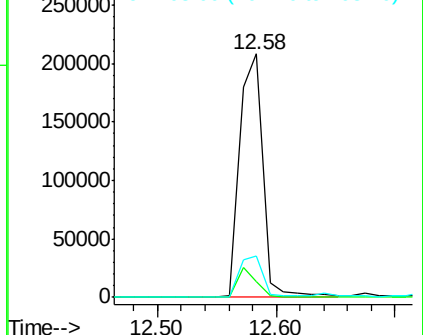
Tot Ion:	202	Resp:	286250
Ion	Ratio	Lower	Upper
202	100		
101	6.4	0.0	29.3
203	16.7	0.0	37.8



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

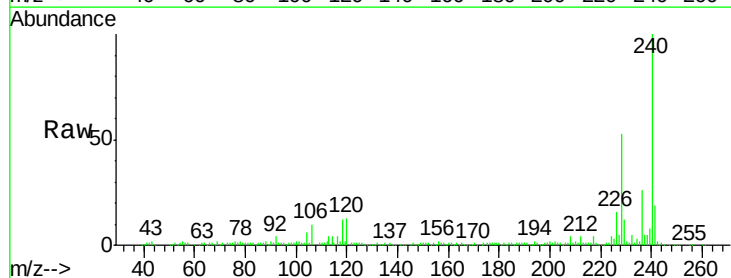
RT: 14.00 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

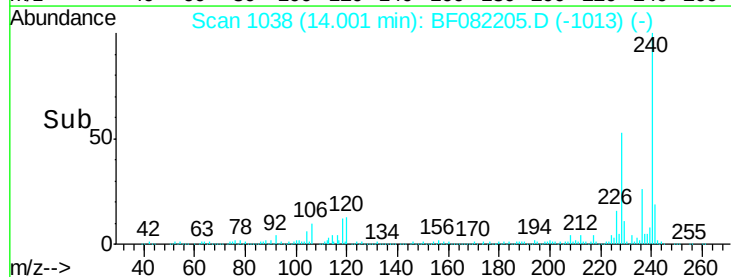
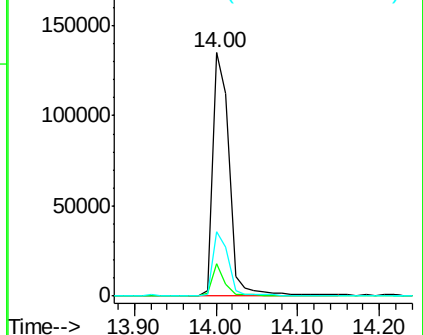
Tgt Ion:	240	Resp:	191546
Ion	Ratio	Lower	Upper
240	100		
120	13.2	8.1	12.1#
236	26.4	21.3	31.9

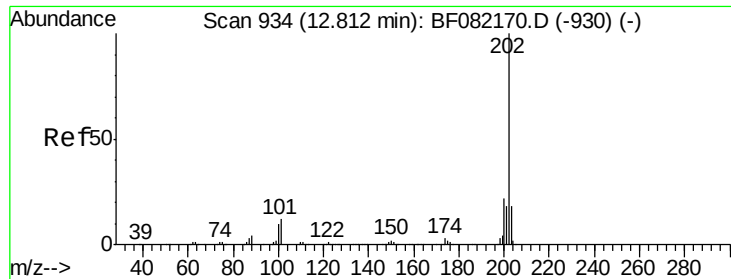


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

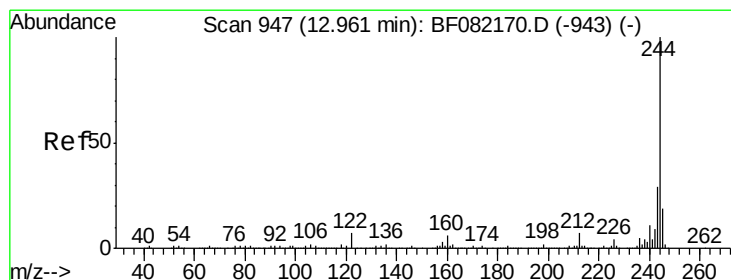
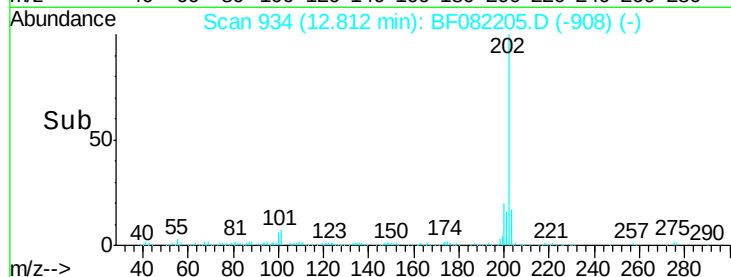
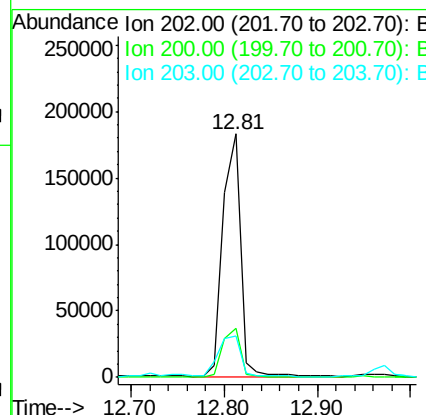
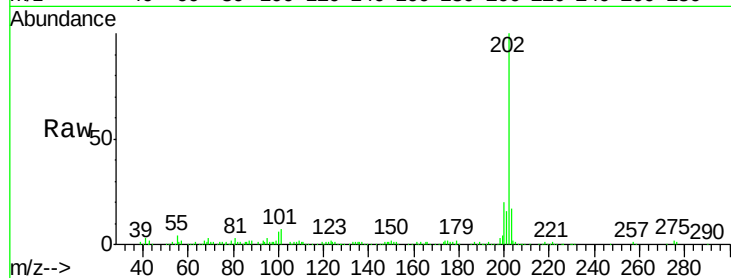




#77
 Pvrene
 Concen: 21.01 ng
 RT: 12.81 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: BF082205.D
 Acq: 11 Oct 2015 5:40

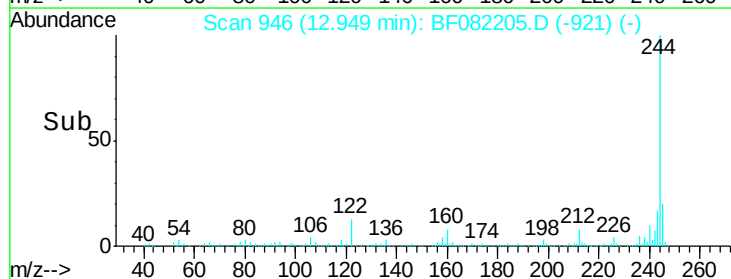
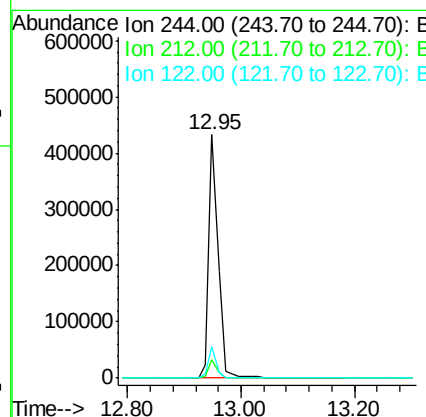
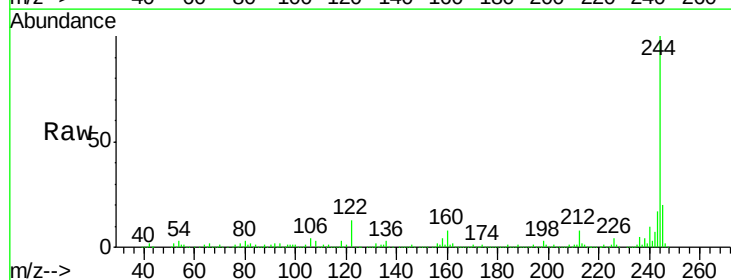
Instrument :
 BNA_F
 ClientSampleId :

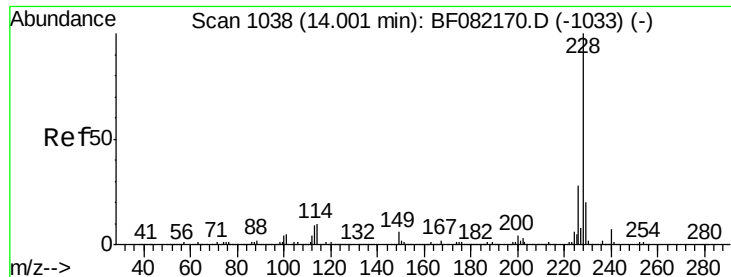
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.9	26.9
203	17.1	14.5	21.7



#78
 Terphenyl-d14
 Concen: 65.40 ng
 RT: 12.95 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: BF082205.D
 Acq: 11 Oct 2015 5:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	12.7	5.9	8.9#





#80

Benzo(a)anthracene

Concen: 11.65 ng

RT: 14.00 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF082205.D

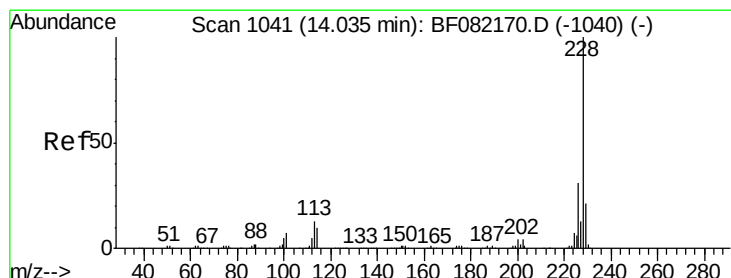
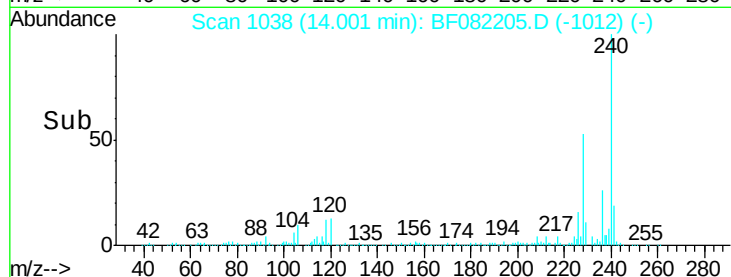
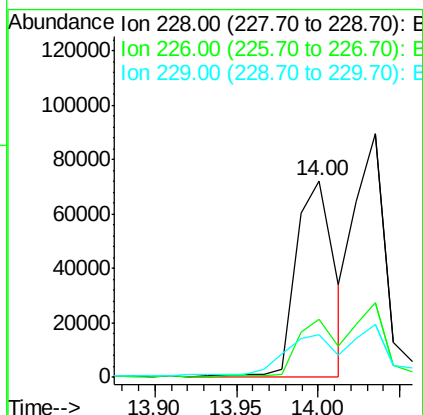
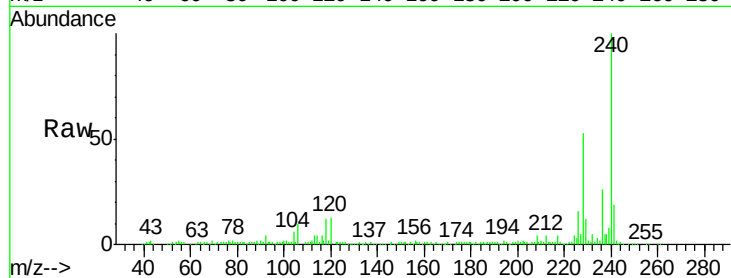
Acq: 11 Oct 2015 5:40

Instrument :

BNA_F

ClientSampled :

Tot Ion:228	Resp:	116147
Ion Ratio	Lower	Upper
228	100	
226	29.8	22.3 33.5
229	21.8	16.2 24.2



#82

Chrysene

Concen: 11.56 ng

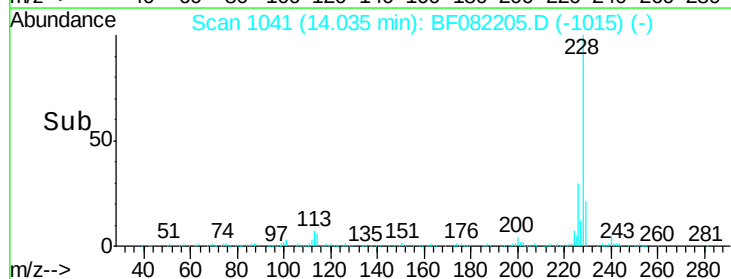
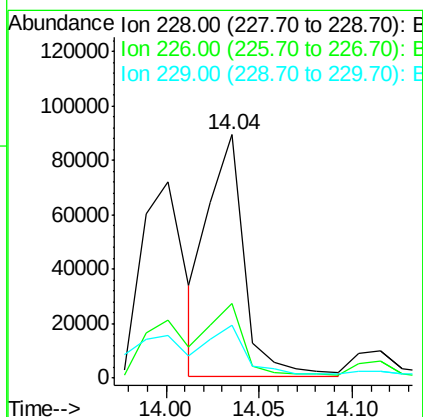
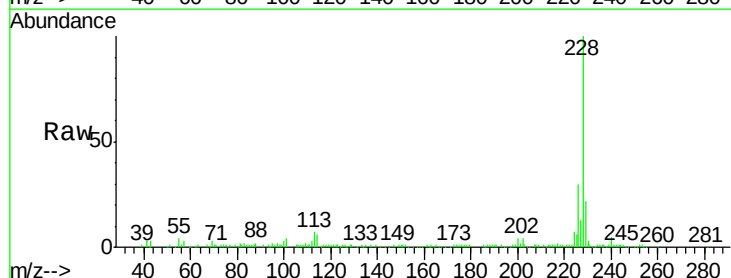
RT: 14.04 min Scan# 1041

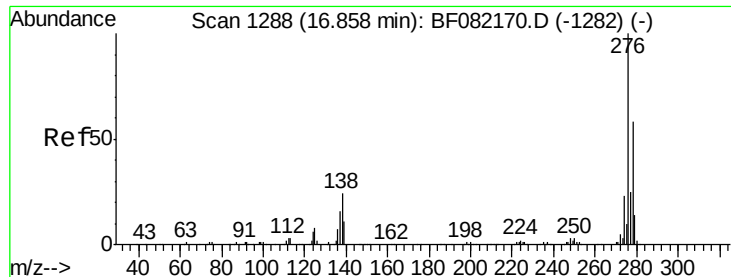
Delta R.T. 0.00 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

Tgt Ion:228	Resp:	121393
Ion Ratio	Lower	Upper
228	100	
226	30.4	24.4 36.6
229	21.6	16.3 24.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 9.75 ng

RT: 16.85 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

Instrument :

BNA_F

ClientSampleId :

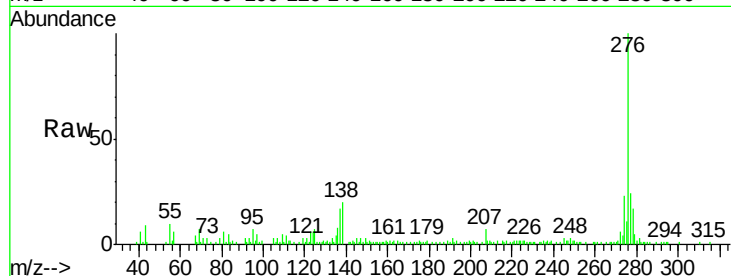
Tot Ion:276 Resp: 81344

Ion Ratio Lower Upper

276 100

138 23.0 19.7 29.5

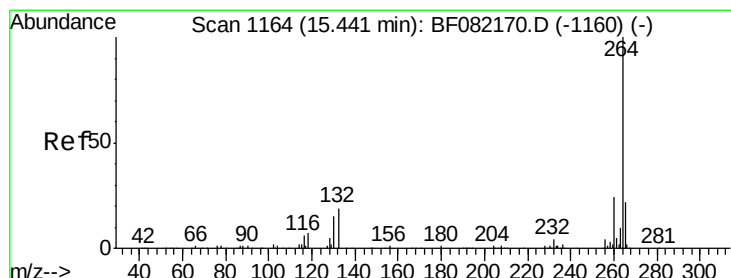
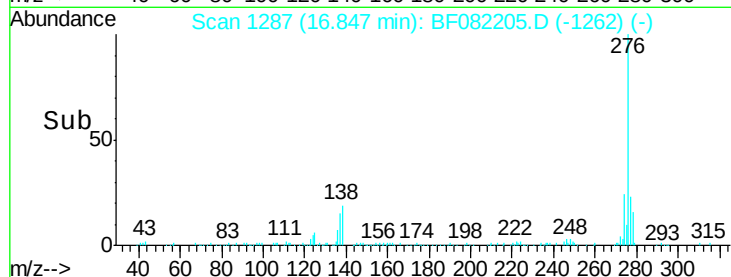
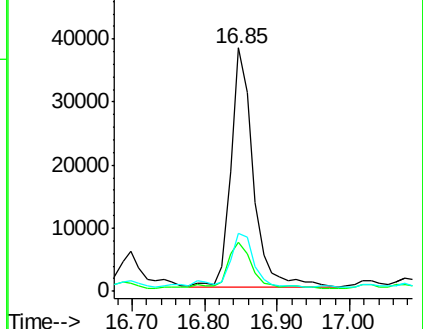
277 22.6 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1164

Delta R.T. 0.00 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

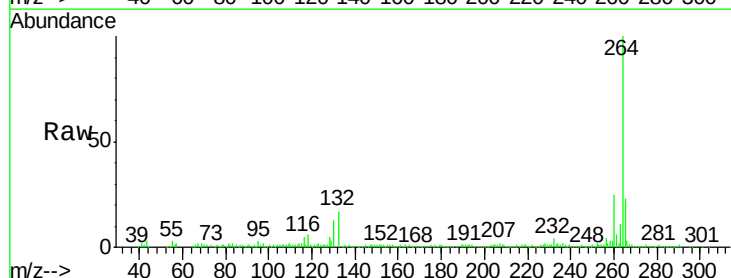
Tgt Ion:264 Resp: 194403

Ion Ratio Lower Upper

264 100

260 24.7 19.0 28.6

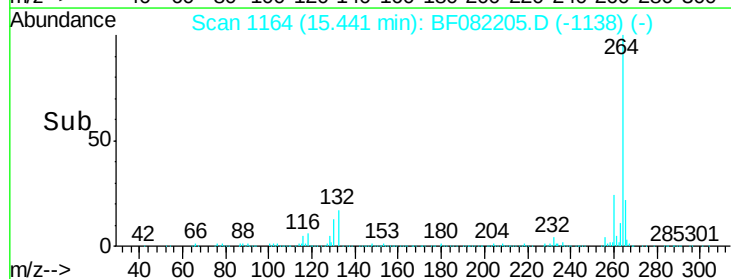
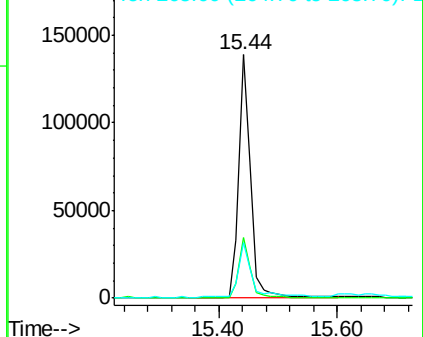
265 22.7 17.3 25.9

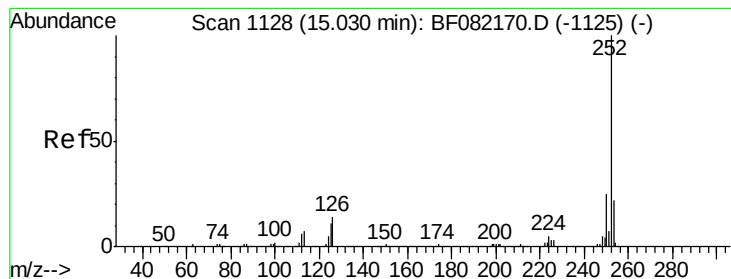


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 22.37 ng

RT: 15.03 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

Instrument :

BNA_F

ClientSampleId :

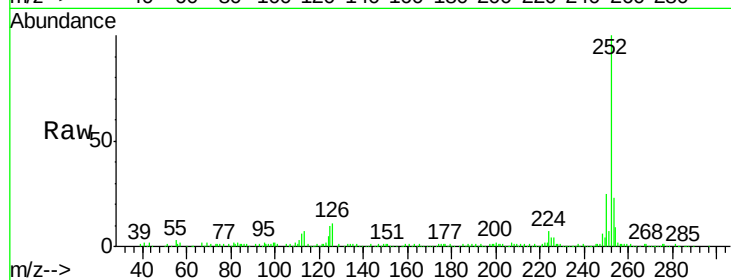
Tot Ion:252 Resp: 264590

Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

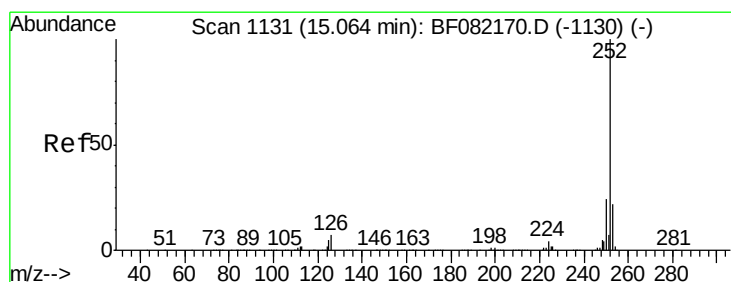
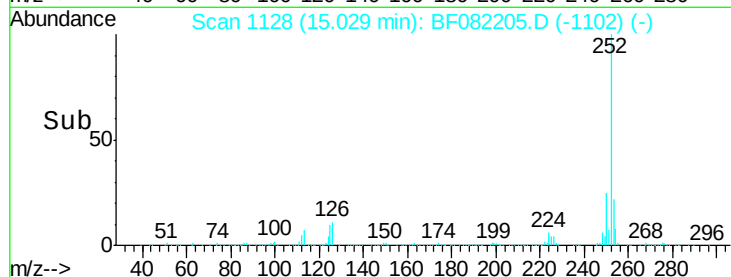
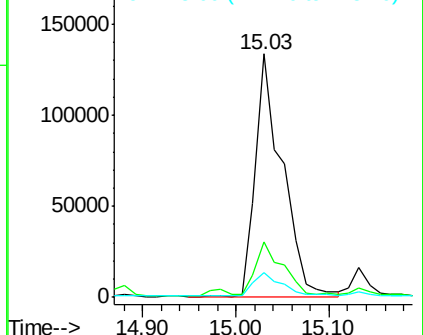
125 10.1 8.6 12.8



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: 26.62 ng

RT: 15.03 min Scan# 1128

Delta R.T. -0.03 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

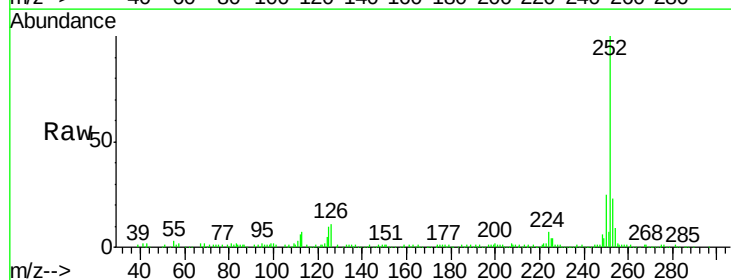
Tgt Ion:252 Resp: 264590

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

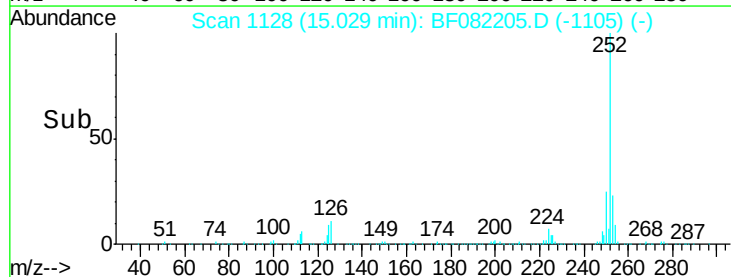
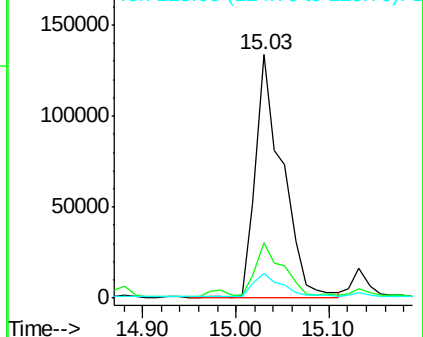
125 10.1 6.7 10.1#

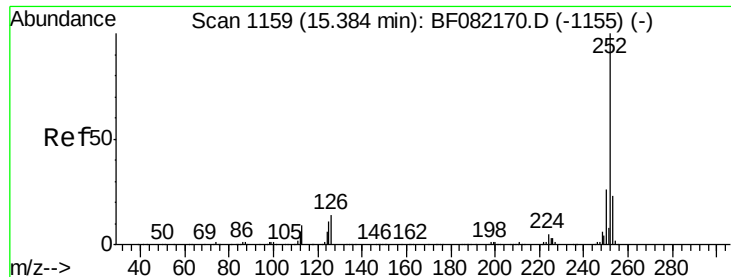


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 11.68 ng

RT: 15.38 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

Instrument :

BNA_F

ClientSampleId :

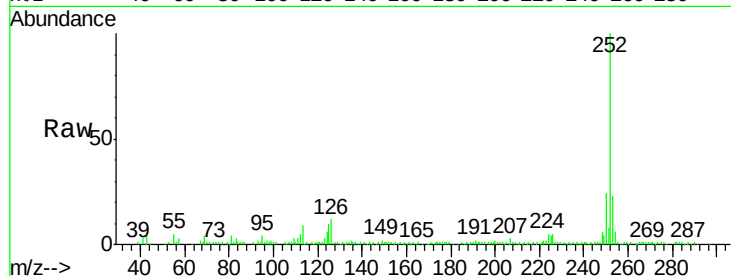
Tot Ion:252 Resp: 118687

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.2

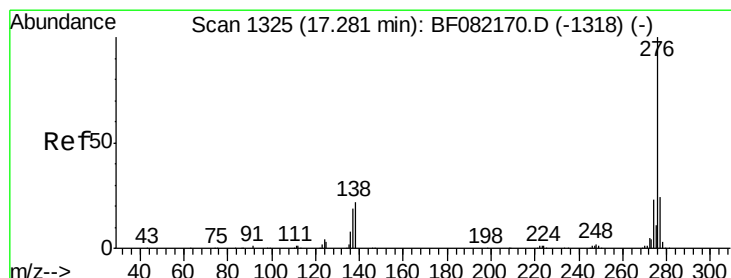
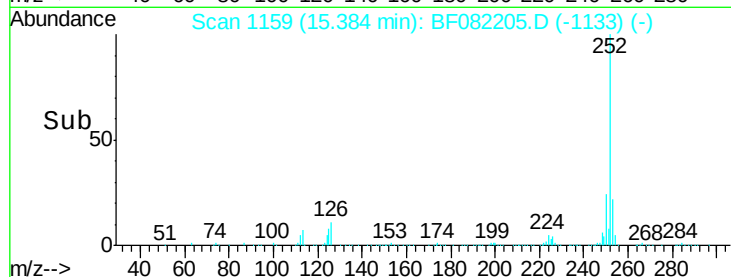
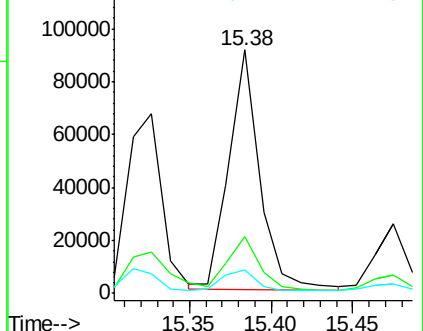
125 9.5 8.9 13.3



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



#91

Benzo(g,h,i)perylene

Concen: 9.36 ng

RT: 17.27 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF082205.D

Acq: 11 Oct 2015 5:40

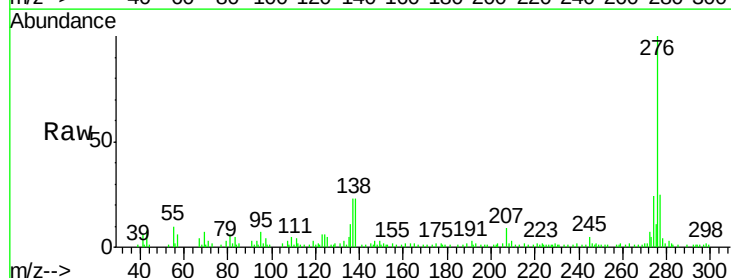
Tgt Ion:276 Resp: 75705

Ion Ratio Lower Upper

276 100

277 24.9 18.8 28.2

138 22.8 17.4 26.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

