

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102615\
 Data File : BF082535.D
 Acq On : 27 Oct 2015 7:01
 Operator : UM/IZ
 Sample : G4116-13RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BT-02(0-2)

Quant Time: Oct 27 10:50:25 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 27 02:43:58 2015
 Response via : Initial Calibration

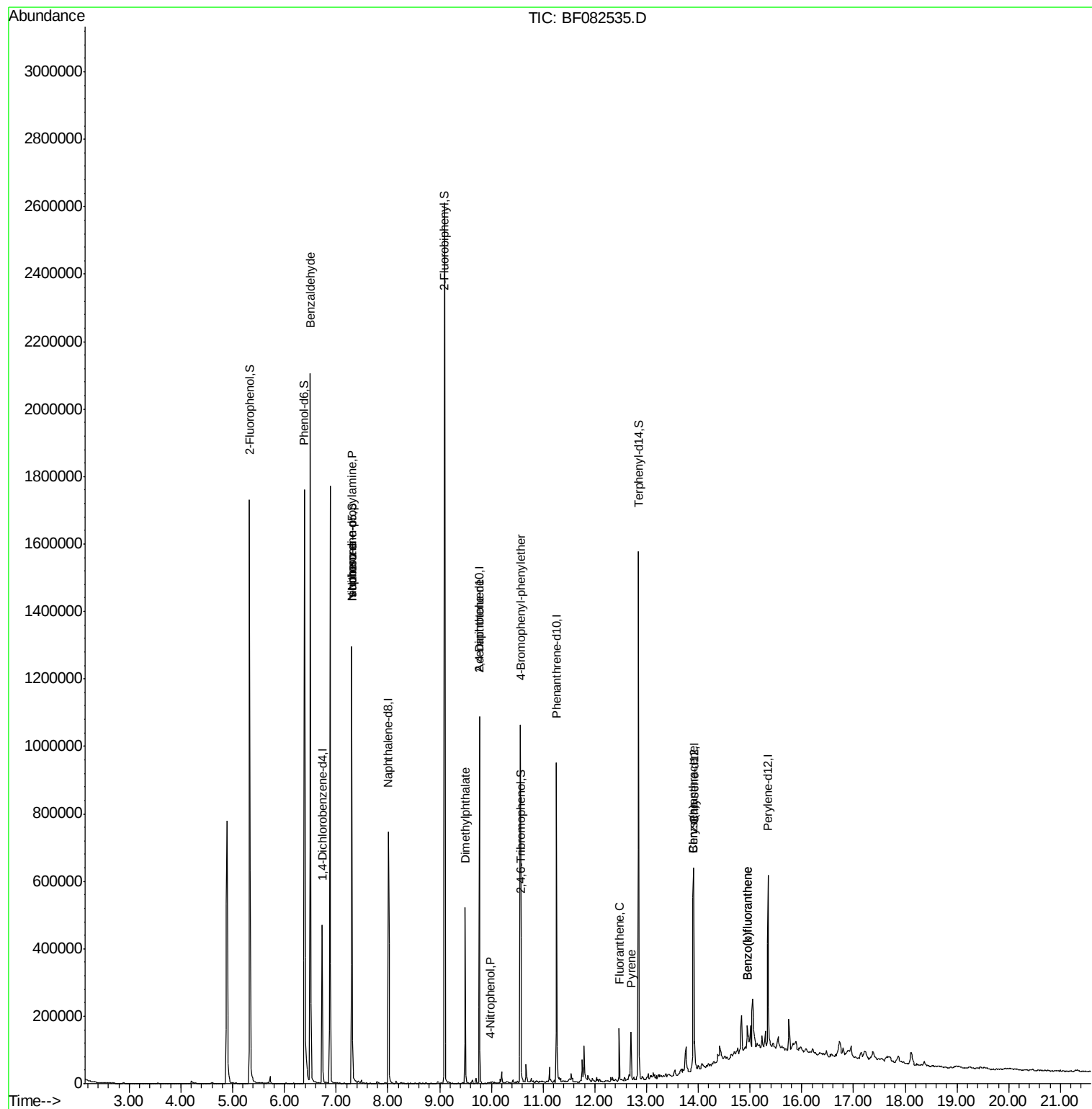
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	113809	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	425806	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	216231	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	350013	20.00	ng	0.00
75) Chrysene-d12	13.91	240	285169	20.00	ng	0.00
86) Perylene-d12	15.35	264	243533	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	529797	91.90	ng	0.01
7) Phenol-d6	6.39	99	692154	92.12	ng	0.01
23) Nitrobenzene-d5	7.30	82	450701	68.28	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	126668	78.23	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	830705	61.09	ng	0.00
78) Terphenyl-d14	12.85	244	553401	55.91	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.50	77	13840	2.13	ng	86
19) n-Nitroso-di-n-propylamine	7.30	70	58757	12.00	ng	# 77
25) Isophorone	7.30	82	451386	34.42	ng	# 64
49) Dimethylphthalate	9.50	163	223586	14.86	ng	100
55) 4-Nitrophenol	9.98	139	219	6.37	ng	# 11
56) 2,4-Dinitrotoluene	9.77	165	27407	6.85	ng	# 11
66) 4-Bromophenyl-phenylether	10.56	248	9296	2.83	ng	# 1
74) Fluoranthene	12.47	202	64423	3.48	ng	97
77) Pyrene	12.70	202	59826	3.41	ng	99
80) Benzo(a)anthracene	13.90	228	38310	2.51	ng	97
82) Chrysene	13.90	228	38310	2.65	ng	96
87) Benzo(b)fluoranthene	14.95	252	52974	3.66	ng	# 96
88) Benzo(k)fluoranthene	14.95	252	52974	4.49	ng	97

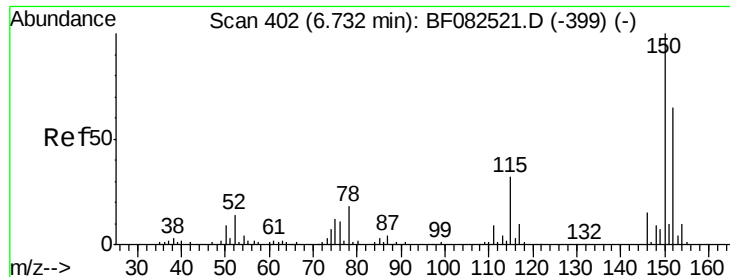
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF082535.D

Acq: 27 Oct 2015 7:01

Instrument :

BNA_F

ClientSampleId :

BT-02(0-2)

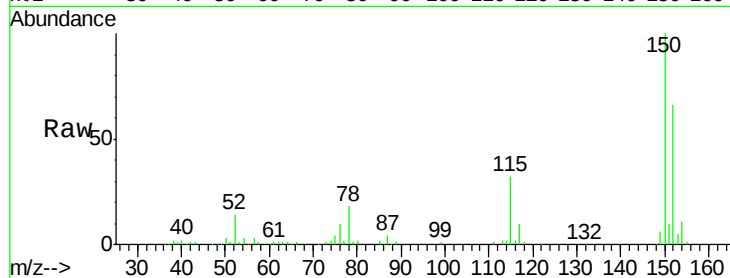
Tot Ion:152 Resp: 113809

Ion Ratio Lower Upper

152 100

150 152.3 123.4 185.0

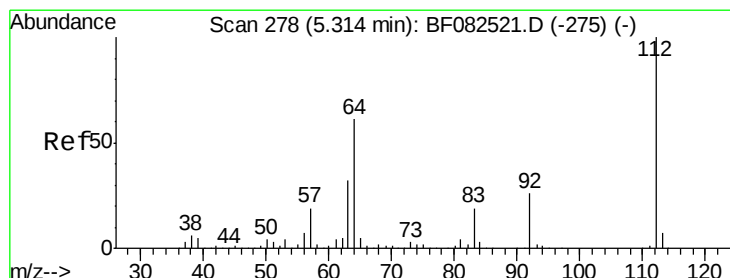
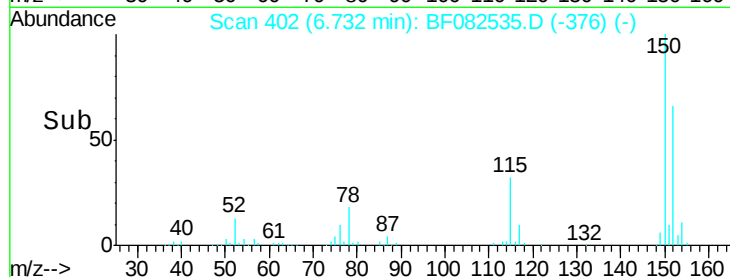
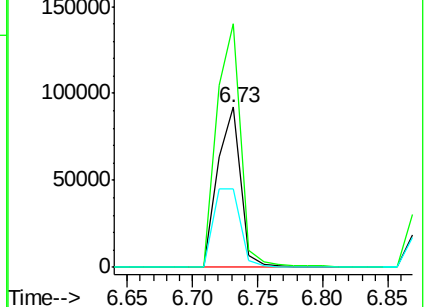
115 48.9 39.0 58.4



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: 91.90 ng

RT: 5.33 min Scan# 279

Delta R.T. 0.01 min

Lab File: BF082535.D

Acq: 27 Oct 2015 7:01

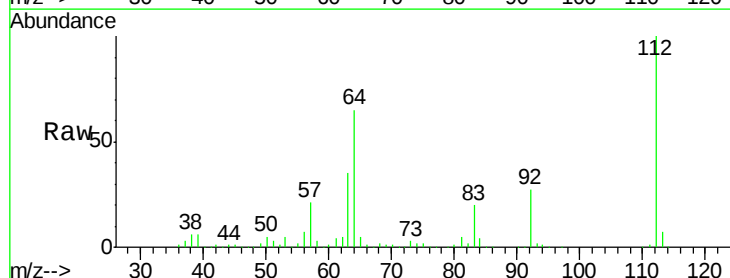
Tgt Ion:112 Resp: 529797

Ion Ratio Lower Upper

112 100

64 65.0 49.0 73.4

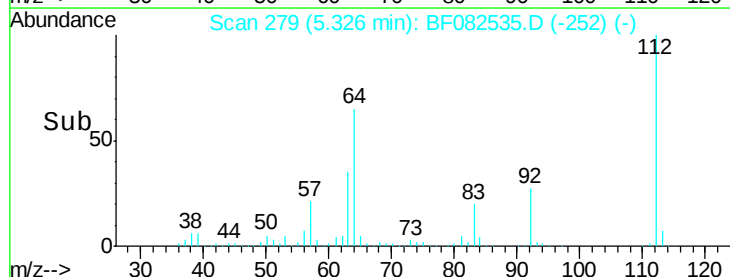
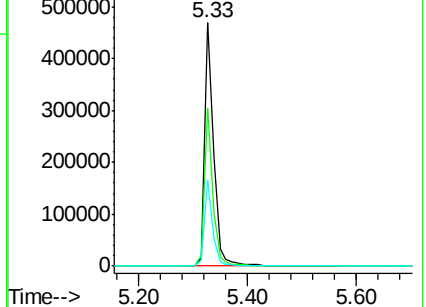
63 35.3 25.8 38.6

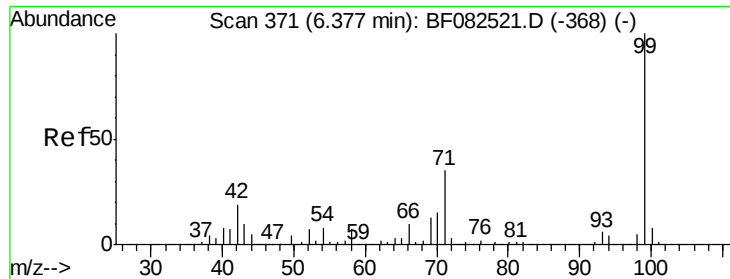


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 92.12 ng

RT: 6.39 min Scan# 372

Delta R.T. 0.01 min

Lab File: BF082535.D

Acq: 27 Oct 2015 7:01

Instrument :

BNA_F

ClientSampleId :

BT-02(0-2)

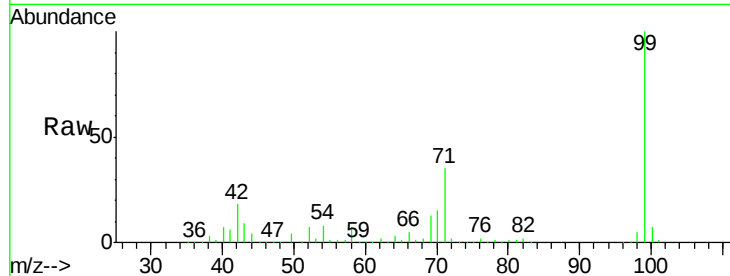
Tot Ion: 99 Resp: 692154

Ion Ratio Lower Upper

99 100

42 18.4 15.1 22.7

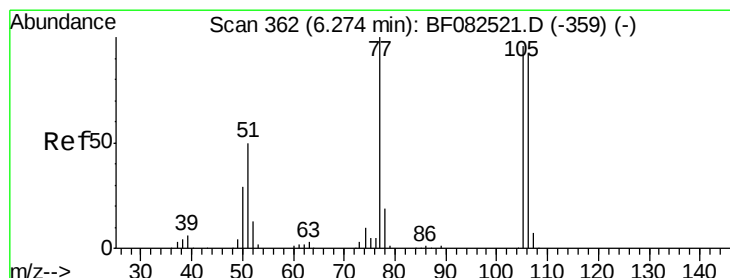
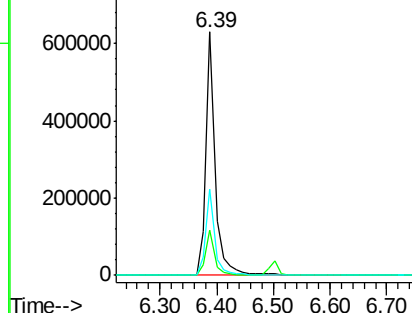
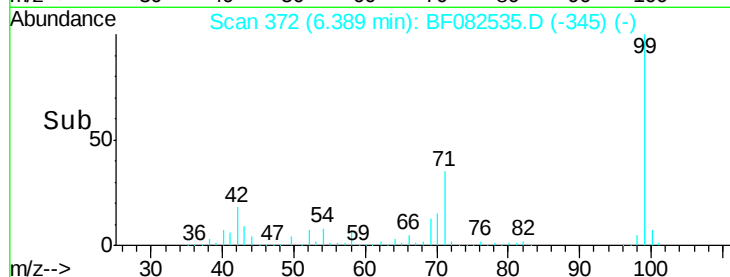
71 35.3 28.2 42.2



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



#9

Benzaldehyde

Concen: 2.13 ng

RT: 6.50 min Scan# 382

Delta R.T. 0.23 min

Lab File: BF082535.D

Acq: 27 Oct 2015 7:01

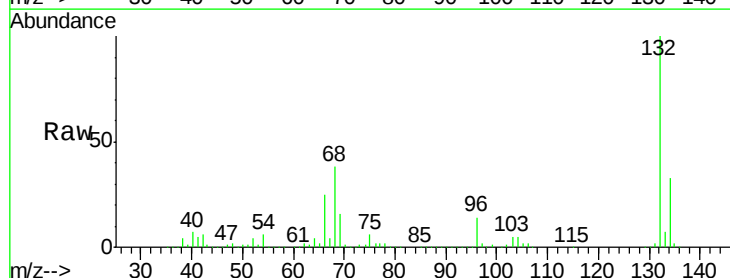
Tgt Ion: 77 Resp: 13840

Ion Ratio Lower Upper

77 100

105 85.1 75.9 115.9

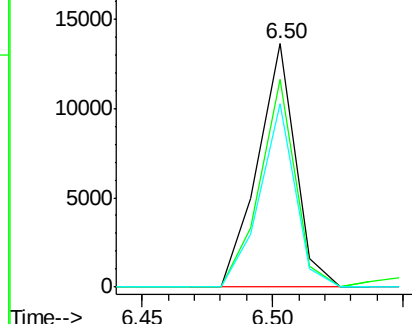
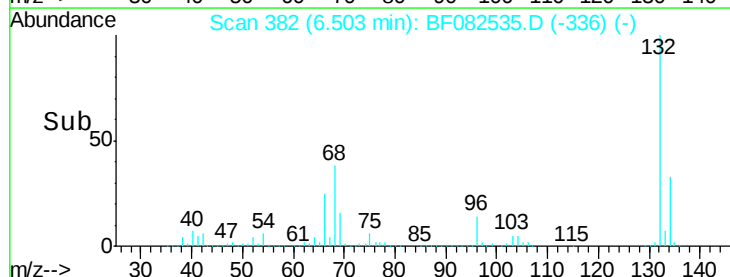
106 75.2 71.8 111.8

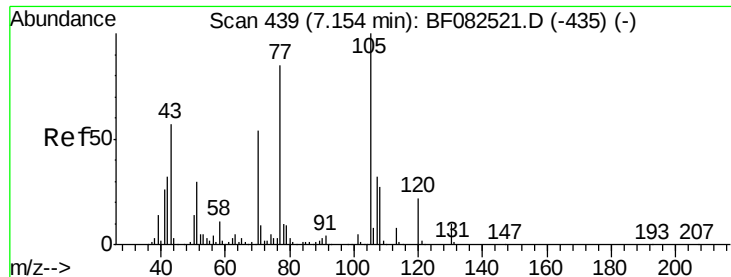


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

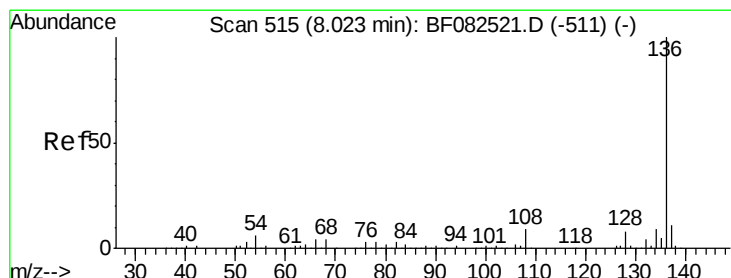
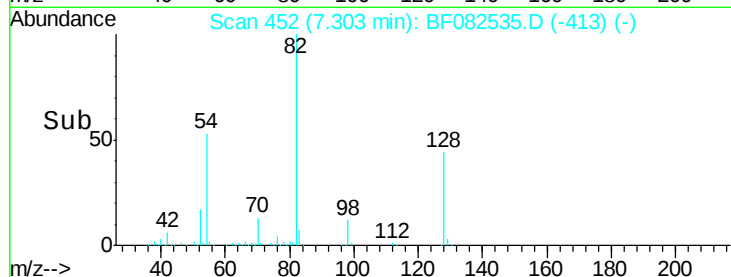
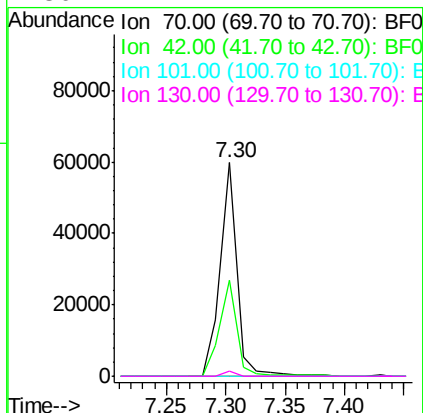
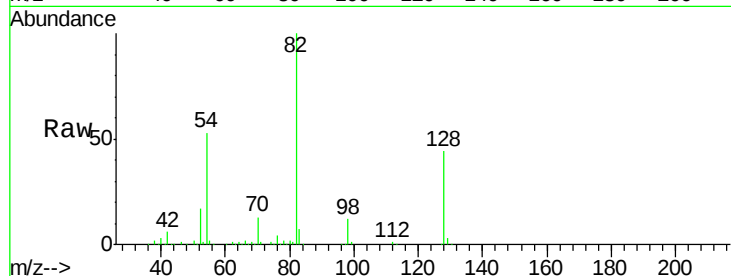




#19
n-Nitroso-di-n-propylamine
Concen: 12.00 ng
RT: 7.30 min Scan# 452
Delta R.T. 0.15 min
Lab File: BF082535.D
Acq: 27 Oct 2015 7:01

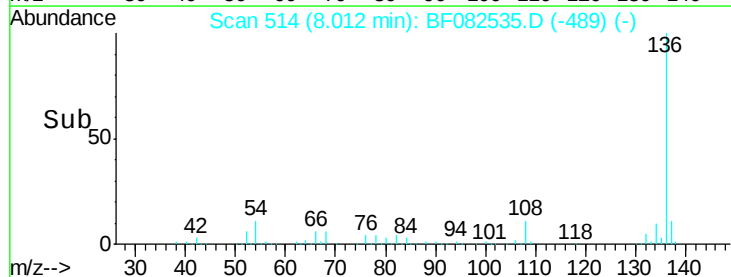
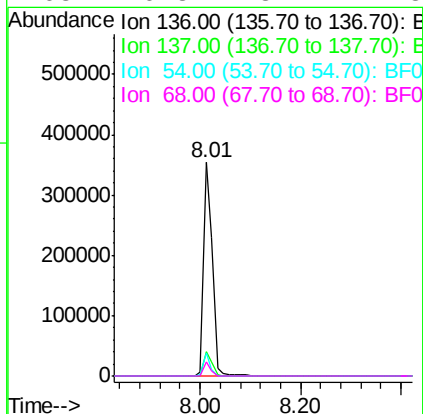
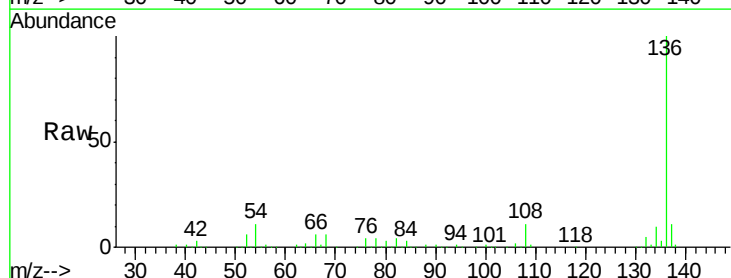
Instrument :
BNA_F
ClientSampleId :
BT-02(0-2)

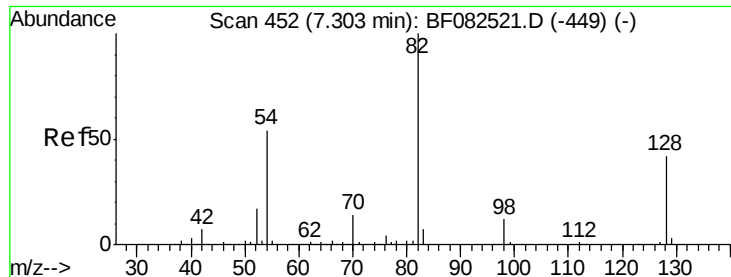
Tot Ion: 70 Resp: 58757
Ion Ratio Lower Upper
70 100
42 45.0 46.9 70.3#
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 514
Delta R.T. -0.01 min
Lab File: BF082535.D
Acq: 27 Oct 2015 7:01

Tgt Ion: 136 Resp: 425806
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 10.5 4.6 7.0#
68 6.3 3.2 4.8#

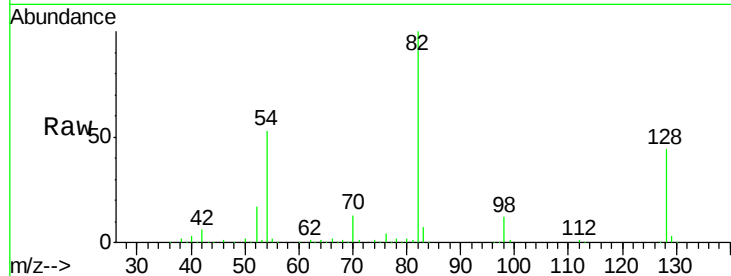




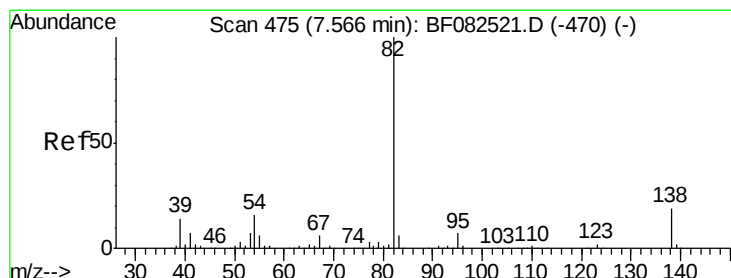
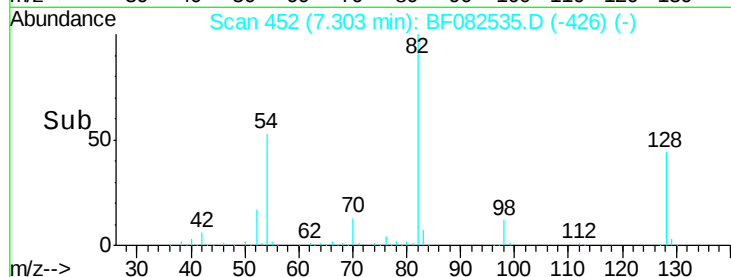
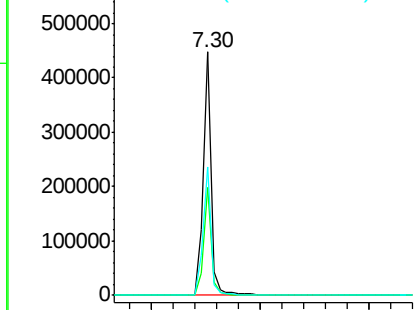
#23
 Nitrobenzene-d5
 Concen: 68.28 ng
 RT: 7.30 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: BF082535.D
 Acq: 27 Oct 2015 7:01

Instrument :
 BNA_F
 ClientSampleId :
 BT-02(0-2)

Tot Ion	82	Resp	450701
Ion Ratio	Lower	Upper	
82	100		
128	44.2	33.4	50.0
54	52.7	43.5	65.3

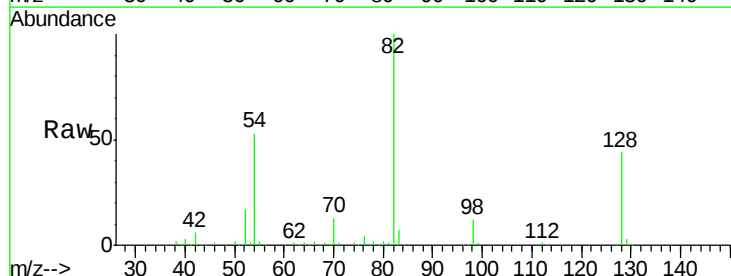


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

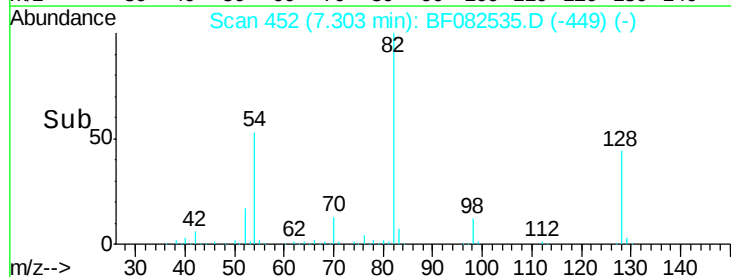
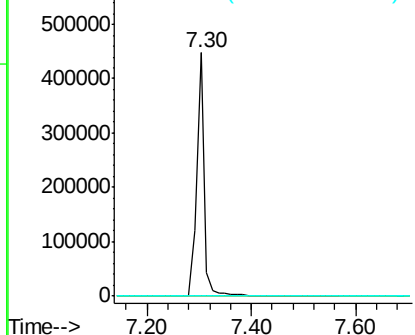


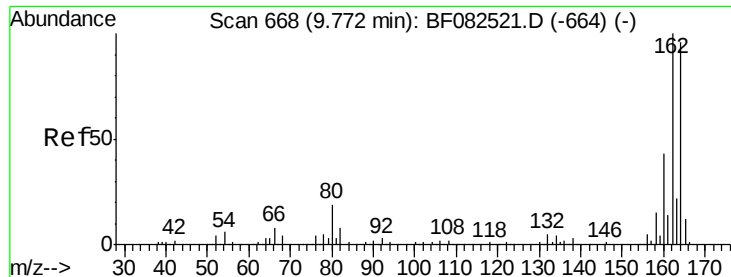
#25
 Isophorone
 Concen: 34.42 ng
 RT: 7.30 min Scan# 452
 Delta R.T. -0.26 min
 Lab File: BF082535.D
 Acq: 27 Oct 2015 7:01

Tgt Ion	82	Resp	451386
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	15.0	22.4#



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: 9.77 min Scan# 668

Delta R.T. -0.00 min

Lab File: BF082535.D

Acq: 27 Oct 2015 7:01

Instrument :

BNA_F

ClientSampleId :

BT-02(0-2)

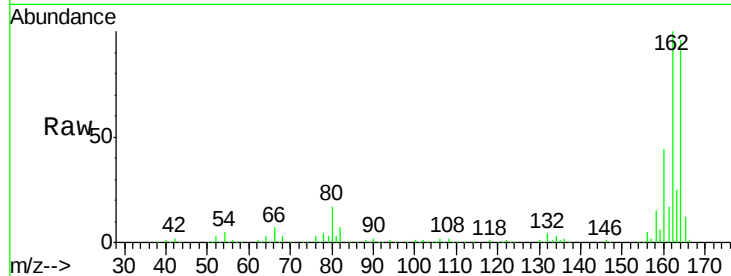
Tot Ion:164 Resp: 216231

Ion Ratio Lower Upper

164 100

162 103.9 83.6 125.4

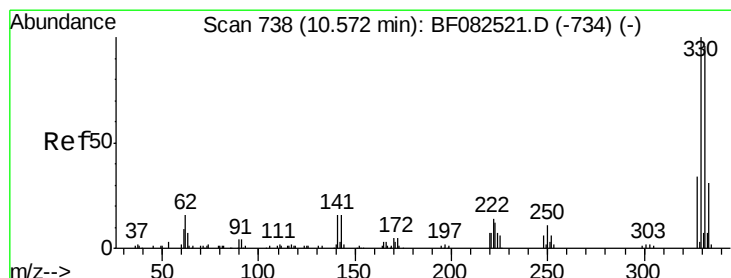
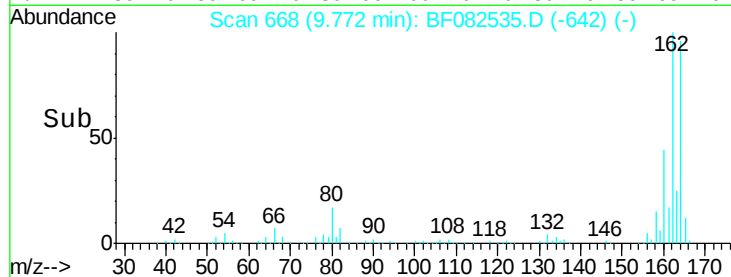
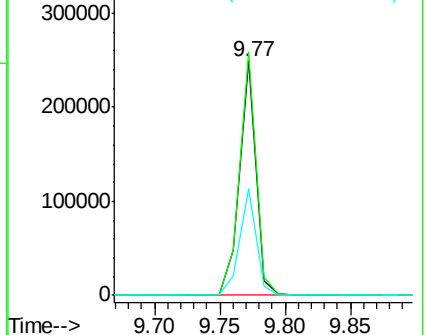
160 45.8 36.0 54.0



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: 78.23 ng

RT: 10.57 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF082535.D

Acq: 27 Oct 2015 7:01

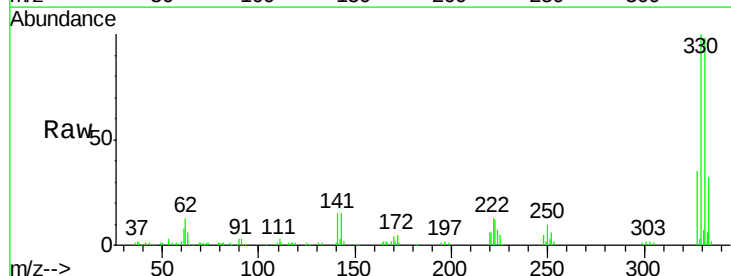
Tgt Ion:330 Resp: 126668

Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.0

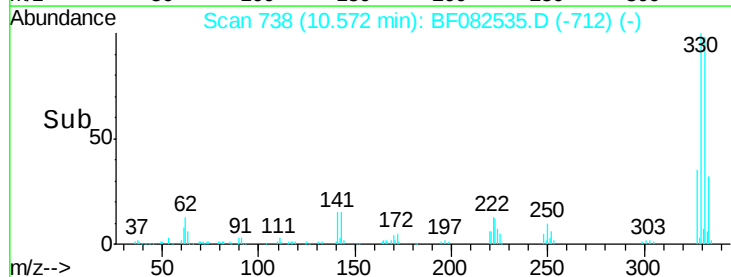
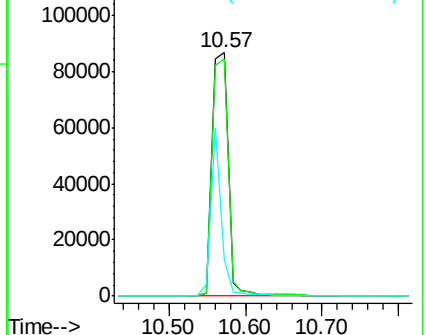
141 43.9 32.5 48.7

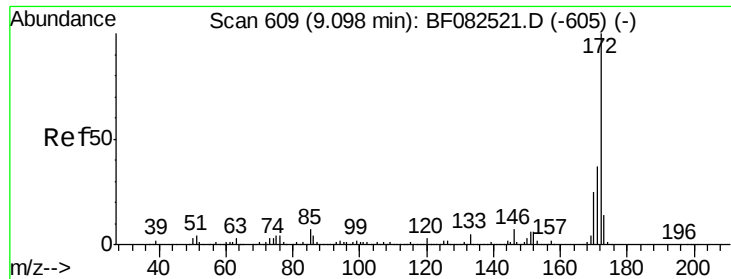


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 61.09 ng

RT: 9.10 min Scan# 609

Delta R.T. -0.00 min

Lab File: BF082535.D

Acq: 27 Oct 2015 7:01

Instrument :

BNA_F

ClientSampleId :

BT-02(0-2)

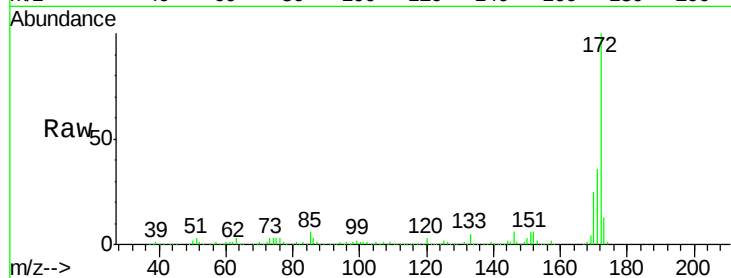
Tot Ion:172 Resp: 830705

Ion Ratio Lower Upper

172 100

171 35.9 29.3 43.9

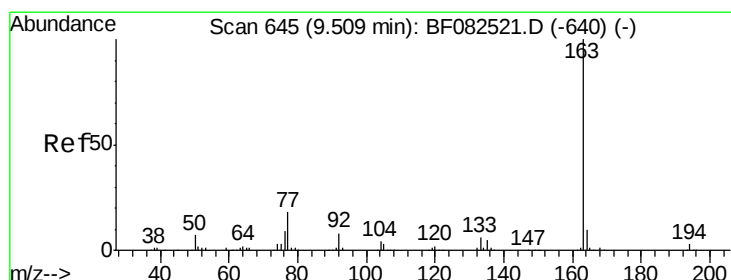
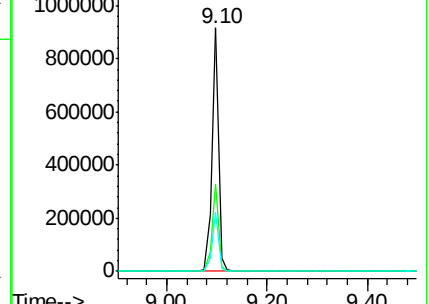
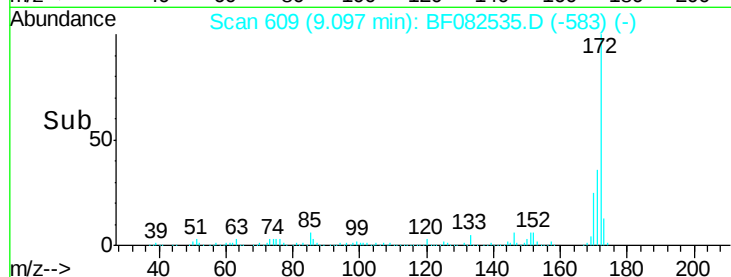
170 24.5 19.8 29.6



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: 14.86 ng

RT: 9.50 min Scan# 644

Delta R.T. -0.01 min

Lab File: BF082535.D

Acq: 27 Oct 2015 7:01

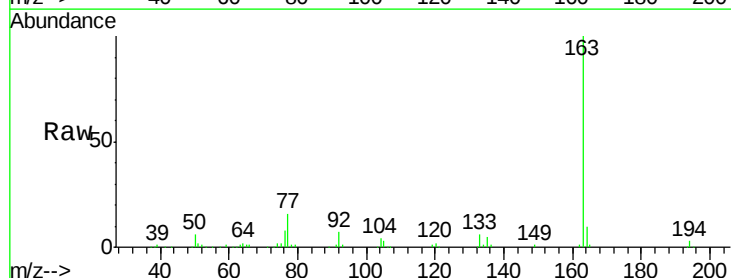
Tgt Ion:163 Resp: 223586

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

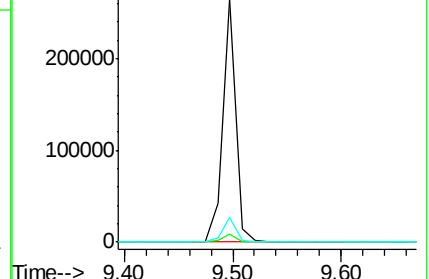
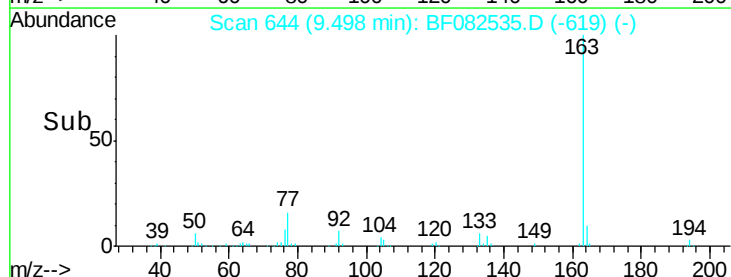
164 10.1 8.2 12.4

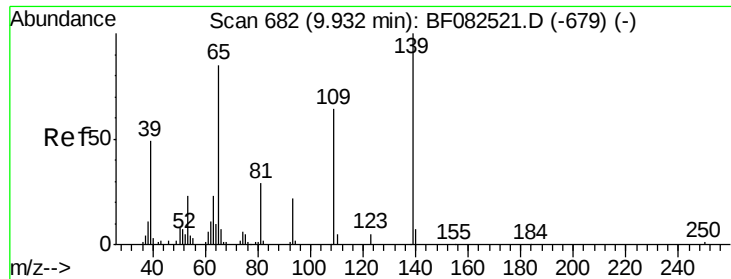


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 6.37 ng

RT: 9.98 min Scan# 686

Delta R.T. 0.05 min

Lab File: BF082535.D

Acq: 27 Oct 2015 7:01

Instrument :

BNA_F

ClientSampleId :

BT-02(0-2)

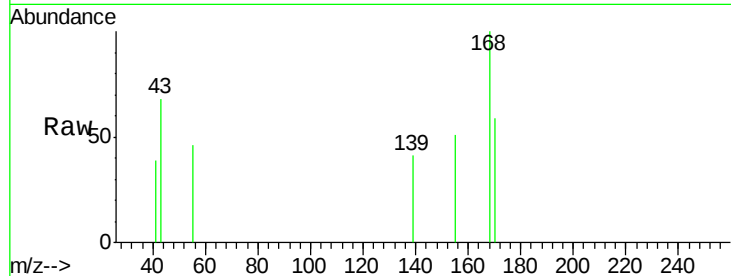
Tot Ion:139 Resp: 219

Ion Ratio Lower Upper

139 100

109 0.0 44.2 84.2#

65 0.0 68.1 108.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

9.98

300

200

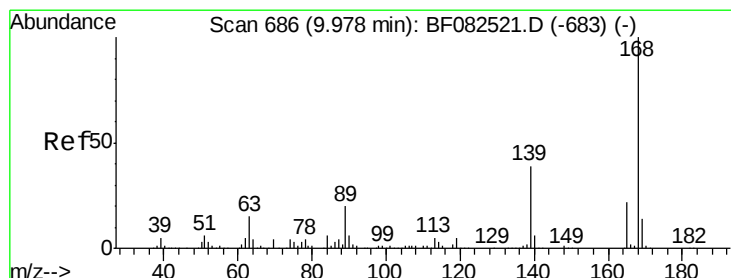
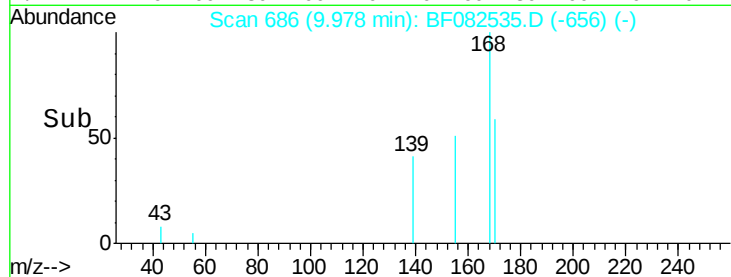
100

0

9.95

10.00

Time-->



#56

2,4-Dinitrotoluene

Concen: 6.85 ng

RT: 9.77 min Scan# 668

Delta R.T. -0.21 min

Lab File: BF082535.D

Acq: 27 Oct 2015 7:01

Tgt Ion:165 Resp: 27407

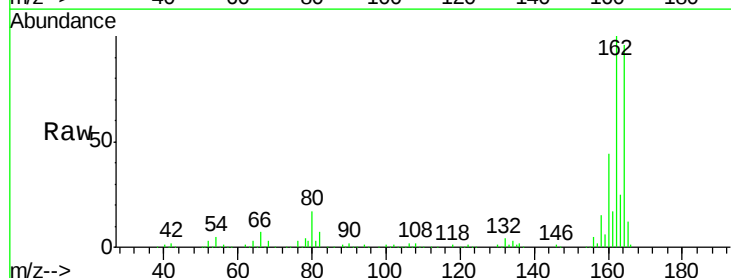
Ion Ratio Lower Upper

165 100

63 1.1 58.6 88.0#

89 1.5 72.3 108.5#

182 0.0 1.8 2.8#



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

9.77

50000

40000

30000

20000

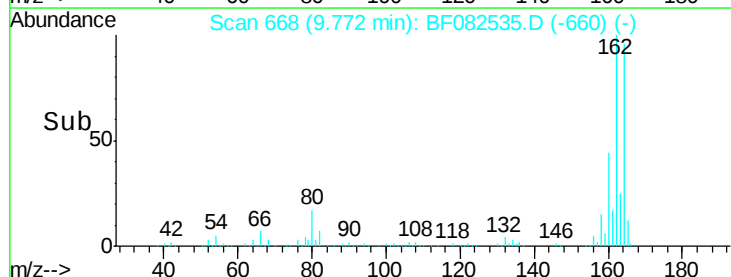
10000

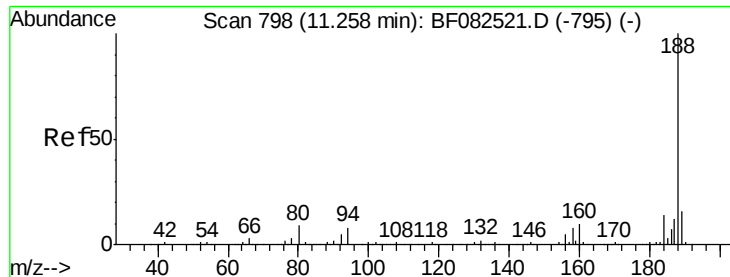
0

9.75

9.80

Time-->

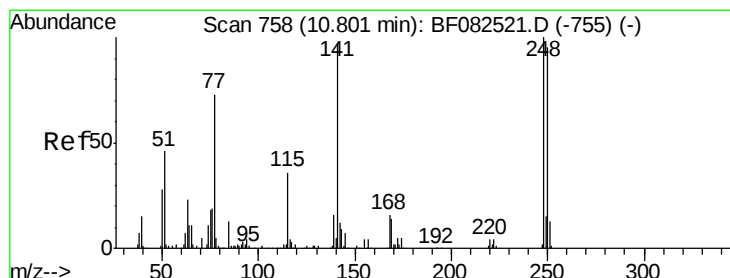
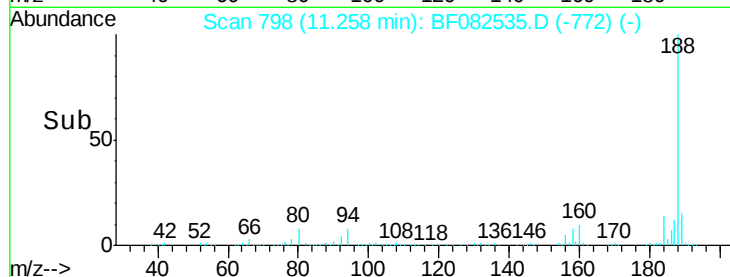
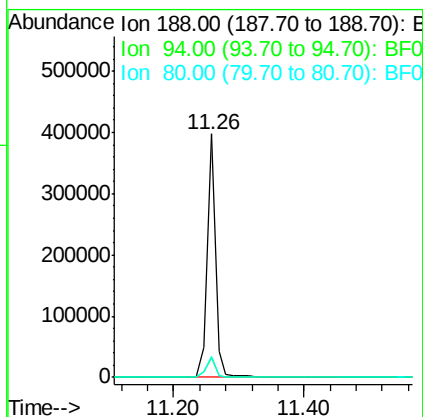
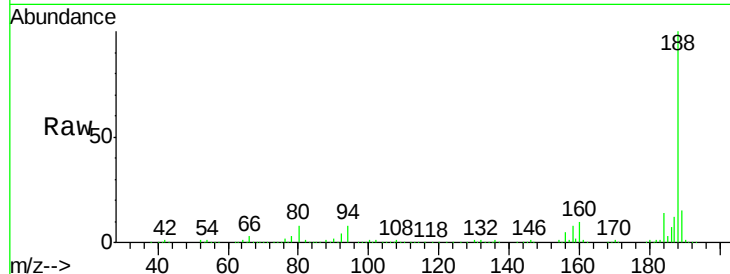




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF082535.D
Acq: 27 Oct 2015 7:01

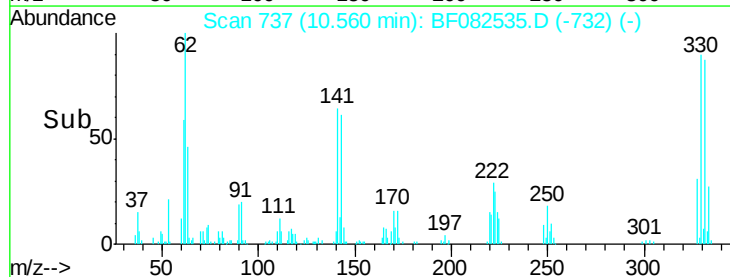
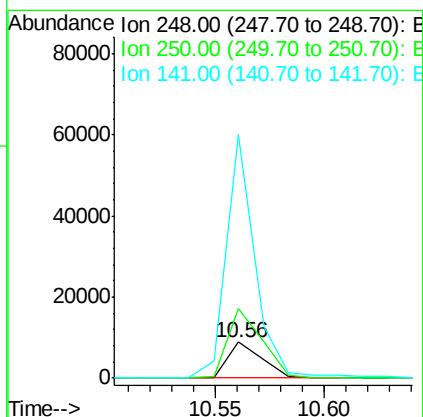
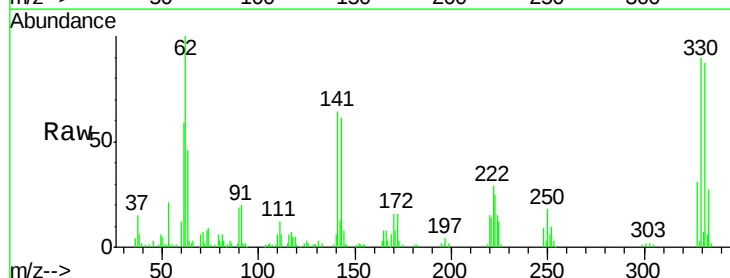
Instrument :
BNA_F
ClientSampleId :
BT-02(0-2)

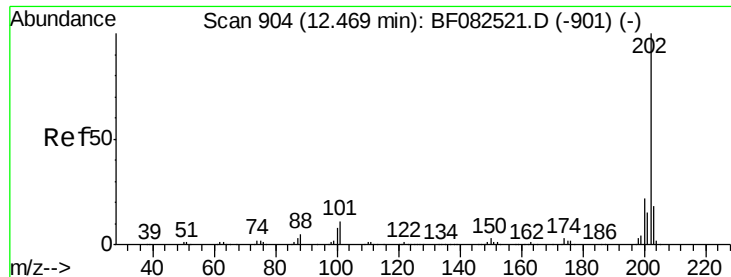
Tot Ion:188 Resp: 350013
Ion Ratio Lower Upper
188 100
94 8.0 6.4 9.6
80 8.3 7.0 10.6



#66
4-Bromophenyl-phenylether
Concen: 2.83 ng
RT: 10.56 min Scan# 737
Delta R.T. -0.24 min
Lab File: BF082535.D
Acq: 27 Oct 2015 7:01

Tgt Ion:248 Resp: 9296
Ion Ratio Lower Upper
248 100
250 195.4 76.0 114.0#
141 677.8 77.5 116.3#

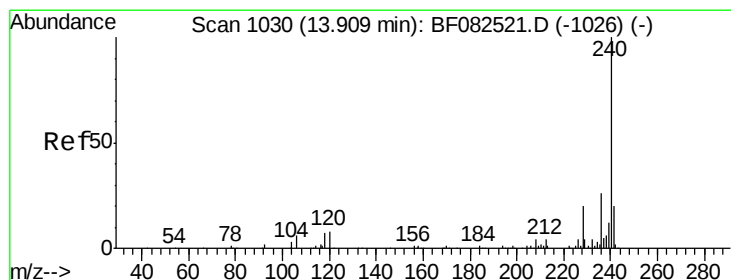
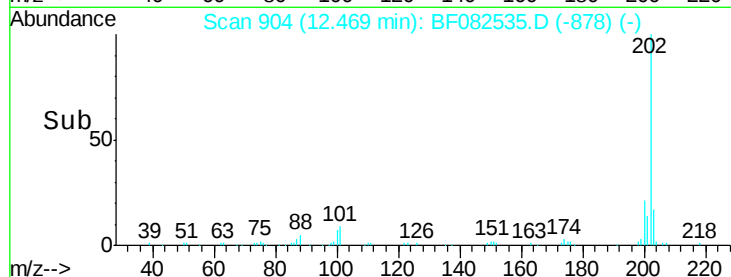
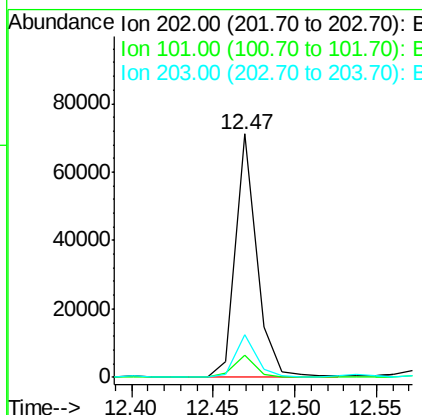
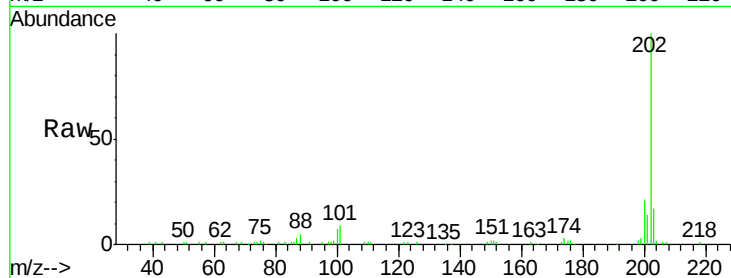




#74
Fluoranthene
Concen: 3.48 ng
RT: 12.47 min Scan# 904
Delta R.T. -0.00 min
Lab File: BF082535.D
Acq: 27 Oct 2015 7:01

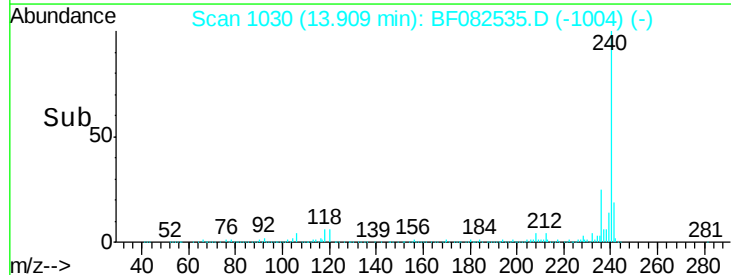
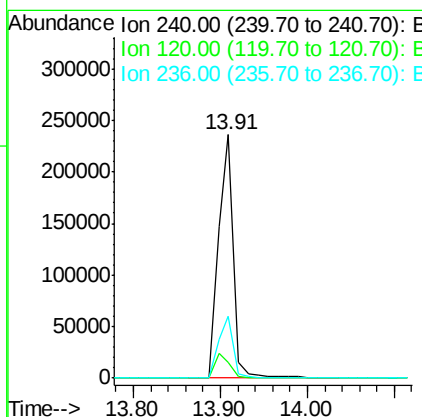
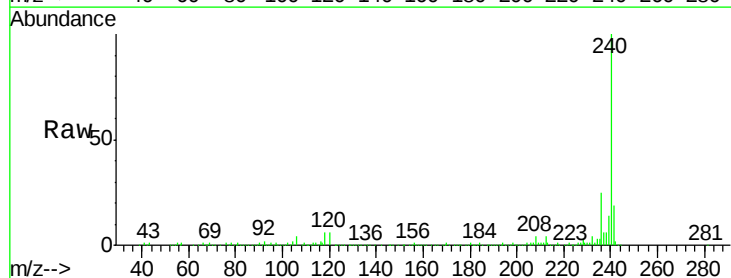
Instrument :
BNA_F
ClientSampleId :
BT-02(0-2)

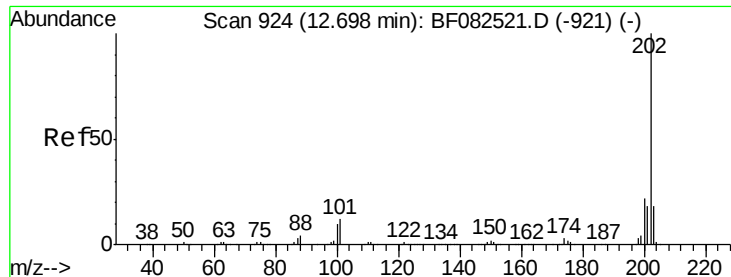
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	31.2
203	17.4	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.91 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF082535.D
Acq: 27 Oct 2015 7:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.4	6.5	9.7#
236	25.5	20.5	30.7





#77

Pvrene

Concen: 3.41 ng

RT: 12.70 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF082535.D

Acq: 27 Oct 2015 7:01

Instrument :

BNA_F

ClientSampleId :

BT-02(0-2)

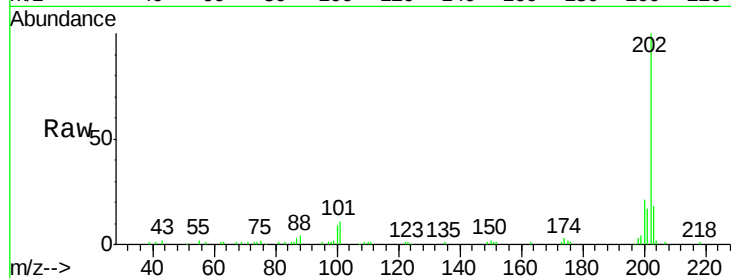
Tot Ion:202 Resp: 59826

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

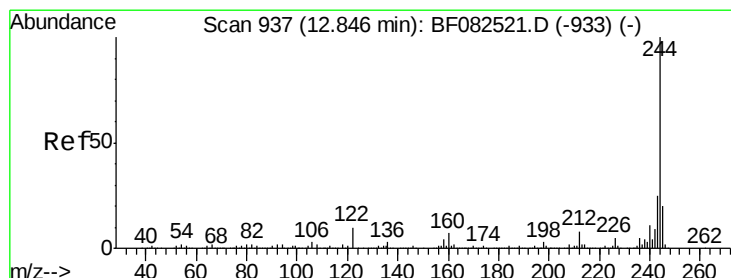
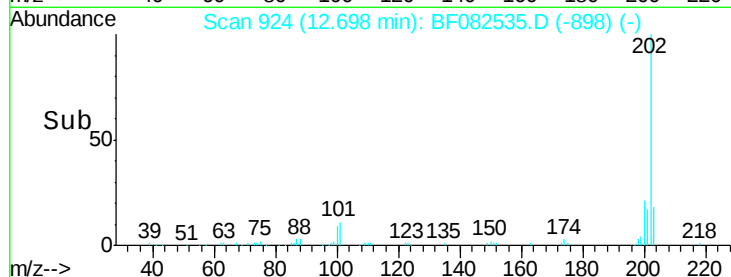
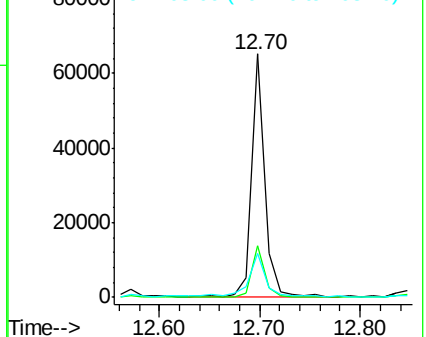
203 18.3 14.6 22.0



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: 55.91 ng

RT: 12.85 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF082535.D

Acq: 27 Oct 2015 7:01

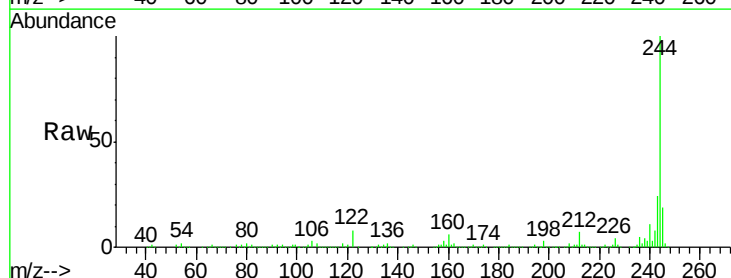
Tgt Ion:244 Resp: 553401

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

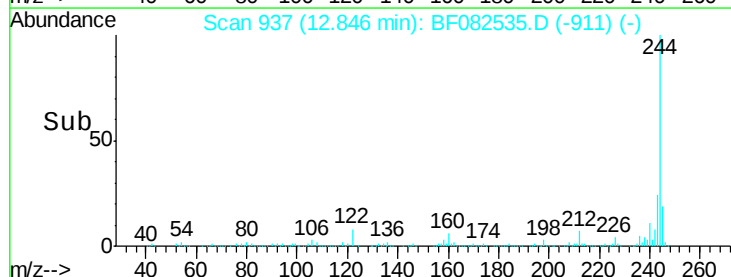
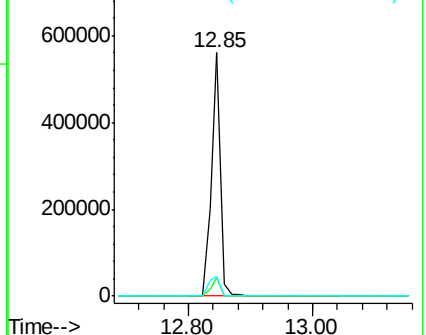
122 8.3 8.1 12.1

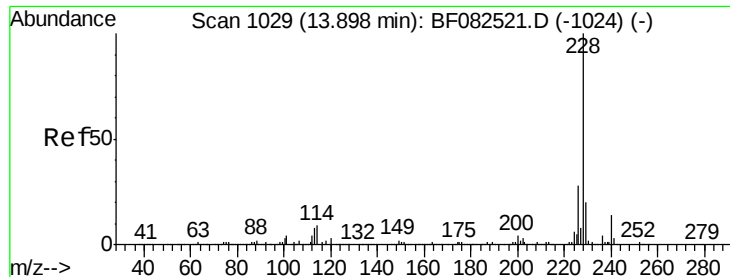


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.51 ng

RT: 13.90 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF082535.D

Acq: 27 Oct 2015 7:01

Instrument :

BNA_F

ClientSampleId :

BT-02(0-2)

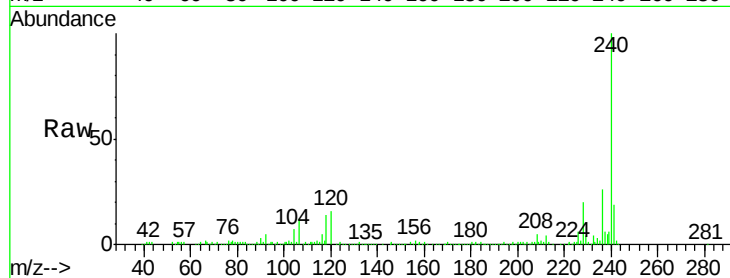
Tot Ion:228 Resp: 38310

Ion Ratio Lower Upper

228 100

226 29.1 22.1 33.1

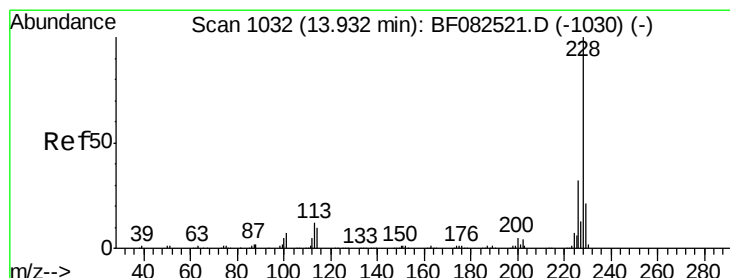
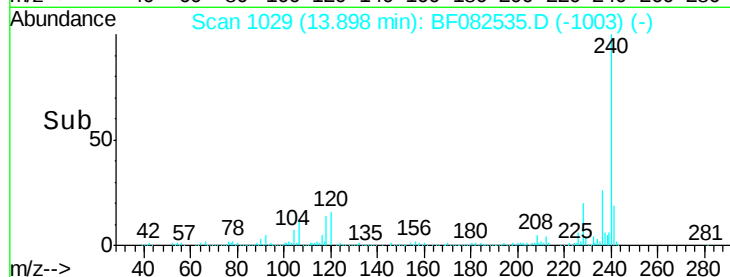
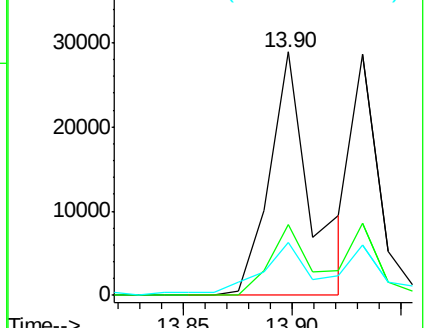
229 21.6 16.1 24.1



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



#82

Chrysene

Concen: 2.65 ng

RT: 13.90 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF082535.D

Acq: 27 Oct 2015 7:01

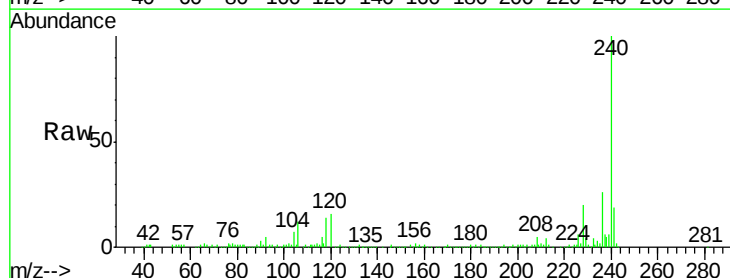
Tgt Ion:228 Resp: 38310

Ion Ratio Lower Upper

228 100

226 29.1 25.2 37.8

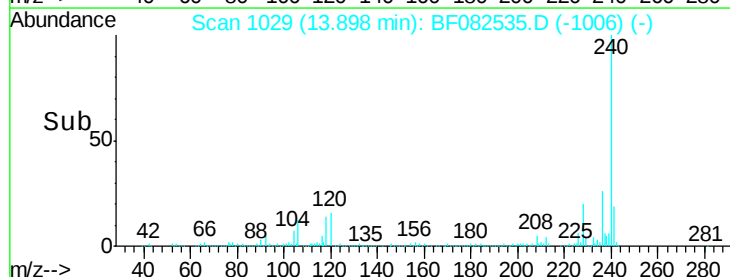
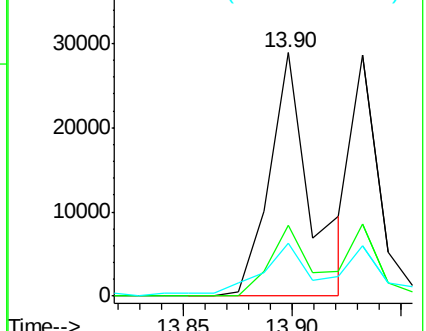
229 21.6 16.3 24.5

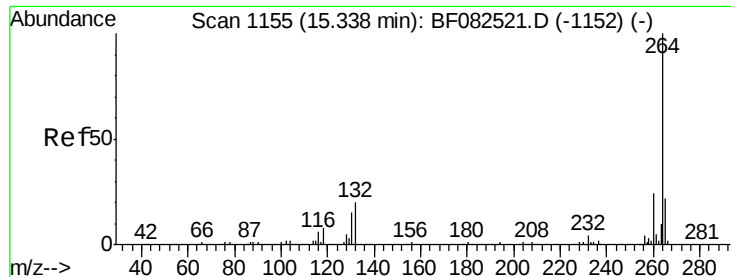


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



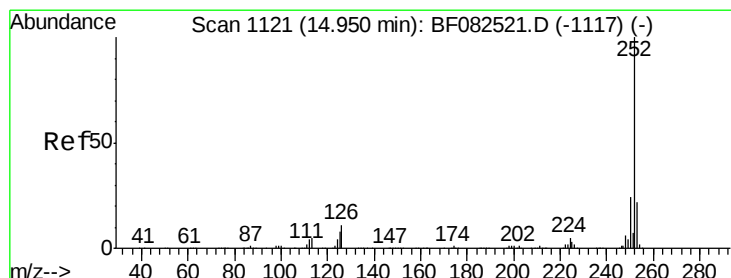
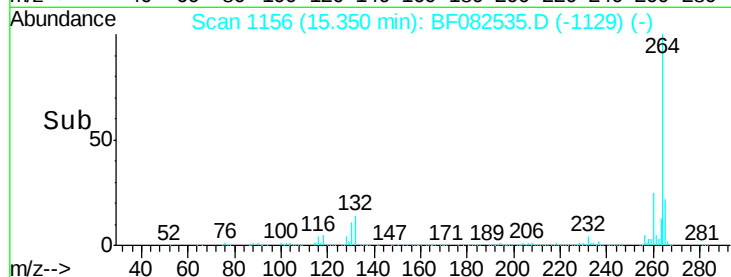
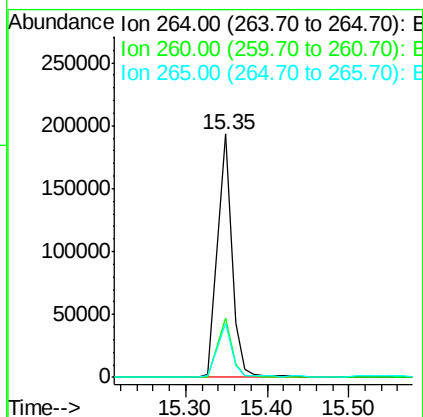
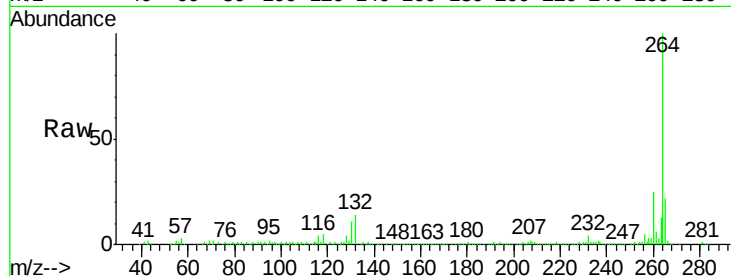


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BF082535.D
Acq: 27 Oct 2015 7:01

Instrument :
BNA_F
ClientSampleId :
BT-02(0-2)

Tot Ion:264 Resp: 243533

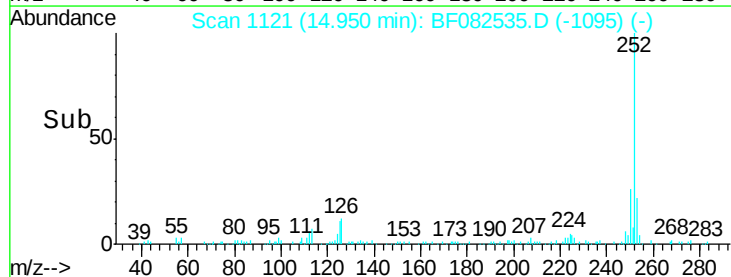
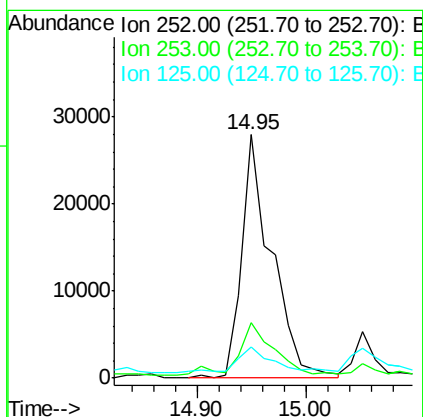
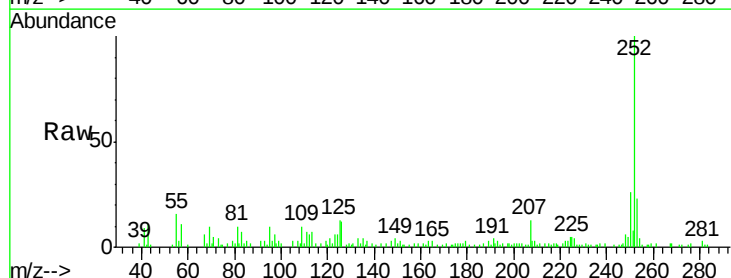
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.0	28.6
265	22.2	17.8	26.6

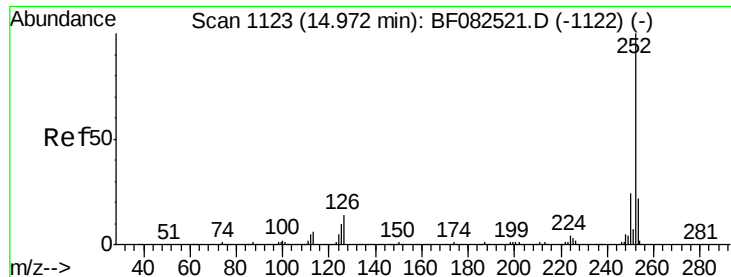


#87
Benzo(b)fluoranthene
Concen: 3.66 ng
RT: 14.95 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BF082535.D
Acq: 27 Oct 2015 7:01

Tgt Ion:252 Resp: 52974

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	12.9	6.6	10.0#

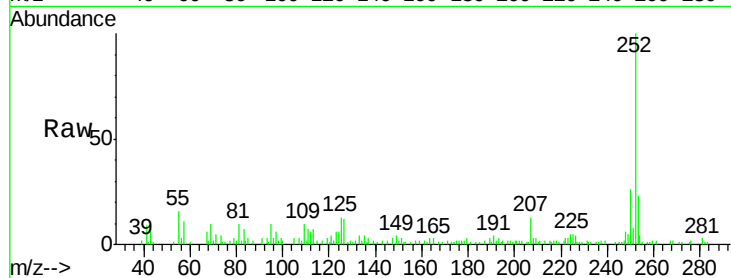




#88
 Benzo(k)fluoranthene
 Concen: 4.49 ng
 RT: 14.95 min Scan# 1121
 Delta R.T. -0.02 min
 Lab File: BF082535.D
 Acq: 27 Oct 2015 7:01

Instrument :
 BNA_F
 ClientSampleId :
 BT-02(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	12.9	8.7	13.1



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

