

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101415\
 Data File : BF082270.D
 Acq On : 13 Oct 2015 22:53
 Operator : UM/IZ
 Sample : G4005-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-3

Quant Time: Oct 14 01:22:56 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 14 01:15:23 2015
 Response via : Initial Calibration

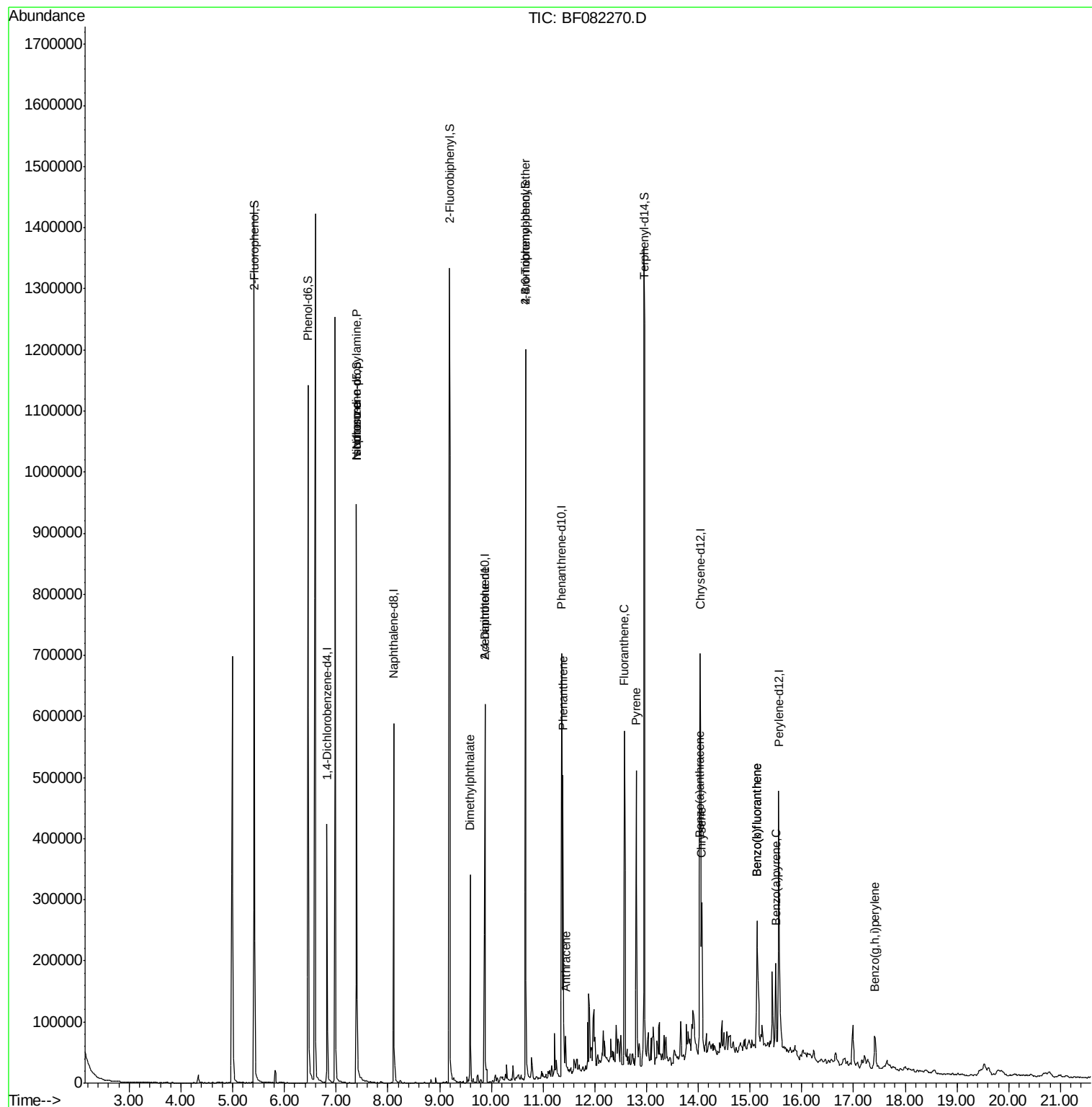
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	68689	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	278746	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	139663	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	277603	20.00	ng	-0.01
75) Chrysene-d12	14.04	240	237929	20.00	ng	-0.10
86) Perylene-d12	15.56	264	208075	20.00	ng	-0.22
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	402076	118.14	ng	0.00
7) Phenol-d6	6.46	99	539641	121.84	ng	-0.01
23) Nitrobenzene-d5	7.39	82	335309	80.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	146770	112.06	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	635660	75.48	ng	-0.01
78) Terphenyl-d14	12.96	244	665949	74.17	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	43452	13.97	ng	# 81
25) Isophorone	7.39	82	284500	33.96	ng	# 66
49) Dimethylphthalate	9.59	163	140766	14.31	ng	99
56) 2,4-Dinitrotoluene	9.87	165	18328	7.07	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	10124	3.64	ng	# 1
70) Phenanthrene	11.38	178	190329	13.99	ng	98
71) Anthracene	11.44	178	46496	3.32	ng	97
74) Fluoranthene	12.57	202	286014	19.57	ng	97
77) Pyrene	12.80	202	261258	18.50	ng	97
80) Benzo(a)anthracene	14.02	228	138627	11.20	ng	97
82) Chrysene	14.07	228	119742	9.18	ng	99
87) Benzo(b)fluoranthene	15.13	252	167843	13.26	ng	100
88) Benzo(k)fluoranthene	15.13	252	167843	15.77	ng	# 97
89) Benzo(a)pyrene	15.50	252	90617	8.33	ng	# 97
91) Benzo(a,h,i)perylene	17.41	276	51633	5.96	ng	96

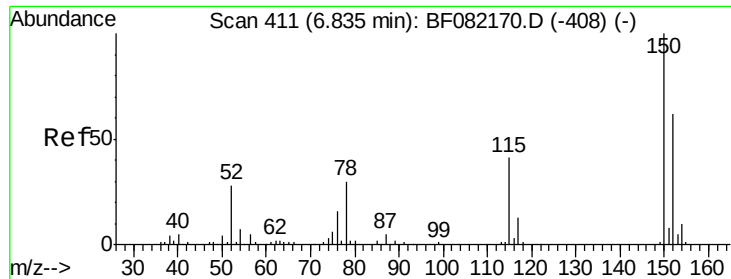
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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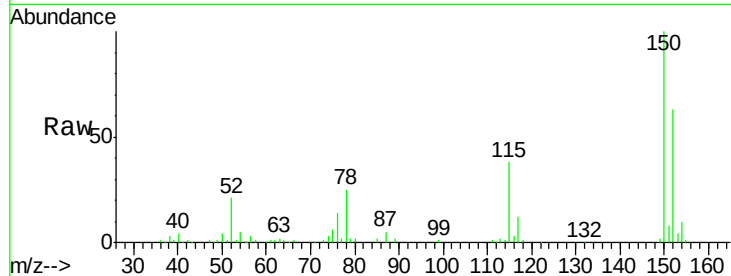


#1

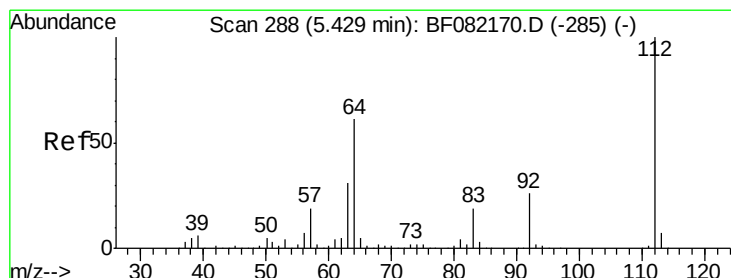
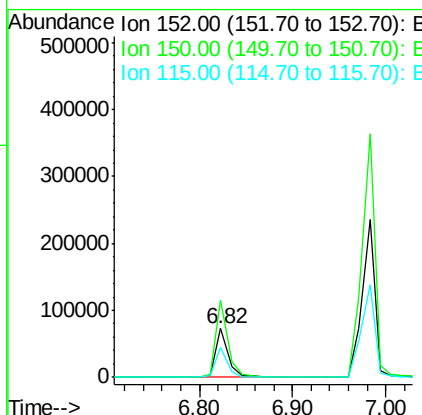
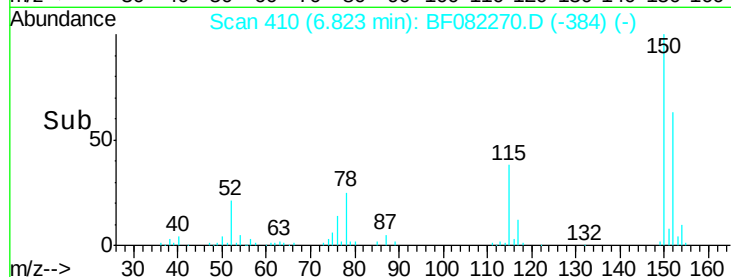
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 410
Delta R.T. -0.00 min
Lab File: BF082270.D
Acq: 13 Oct 2015 22:53

Instrument :
BNA_F
ClientSampleId :
UST-3

Tot Ion:152 Resp: 68689
Ion Ratio Lower Upper
152 100
150 158.2 129.0 193.4
115 60.6 52.1 78.1



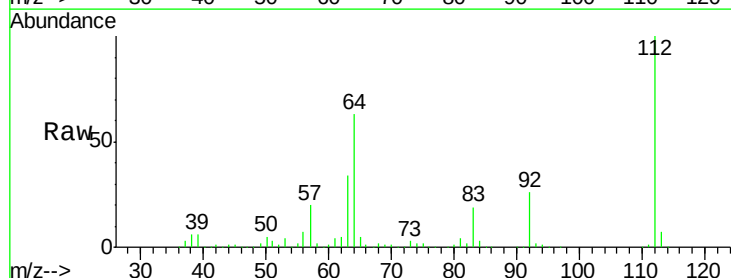
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



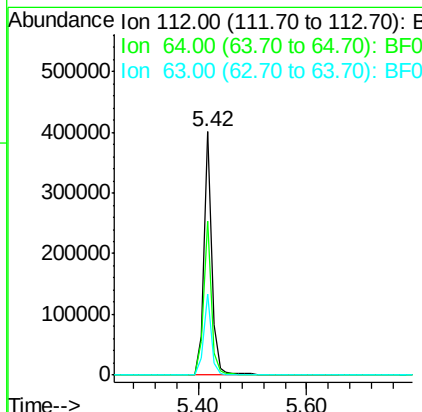
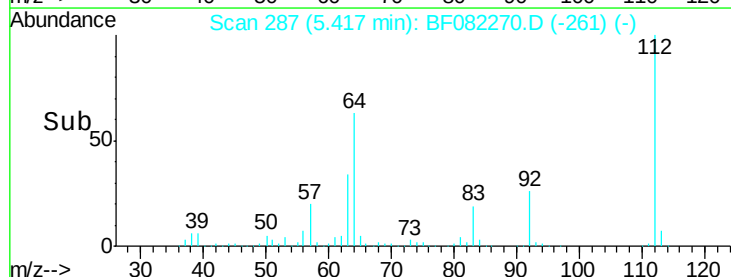
#5

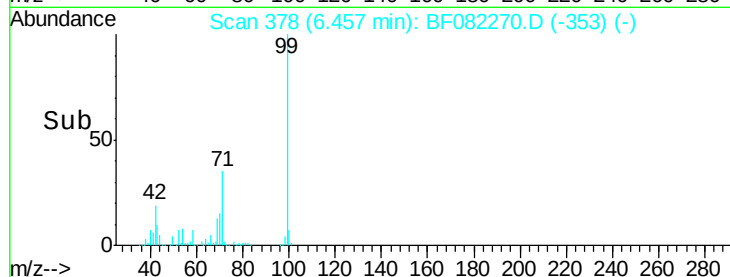
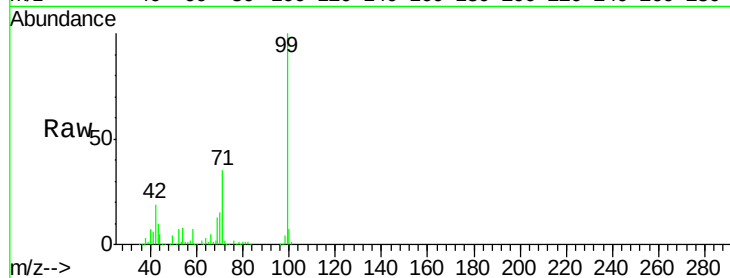
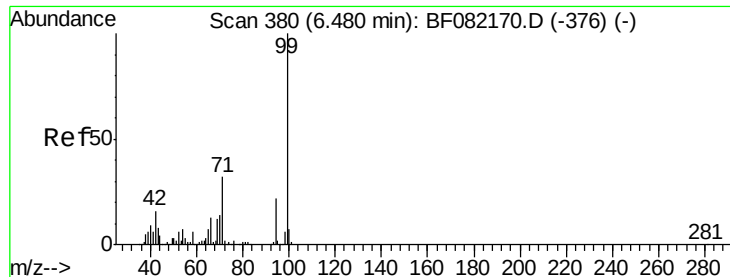
2-Fluorophenol
Concen: 118.14 ng
RT: 5.42 min Scan# 287
Delta R.T. -0.00 min
Lab File: BF082270.D
Acq: 13 Oct 2015 22:53

Tgt Ion:112 Resp: 402076
Ion Ratio Lower Upper
112 100
64 63.3 48.6 73.0
63 33.6 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: 121.84 ng

RT: 6.46 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Instrument :

BNA_F

ClientSampled :

UST-3

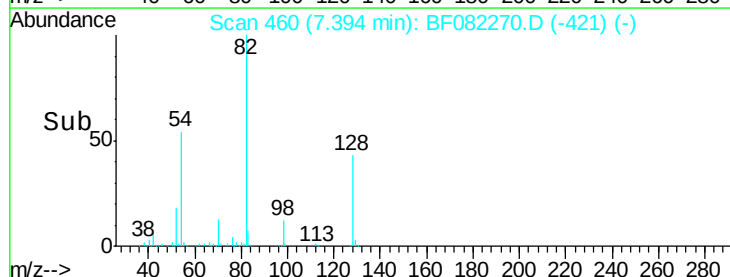
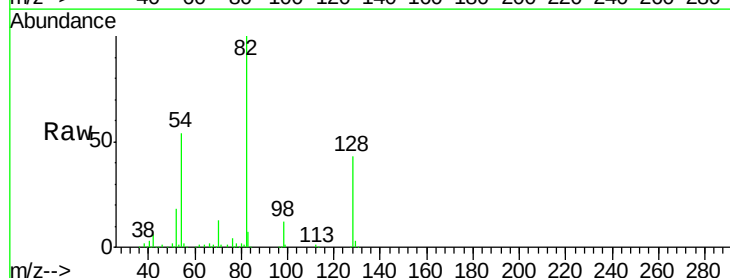
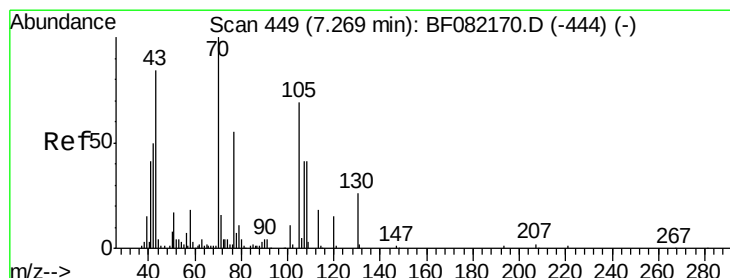
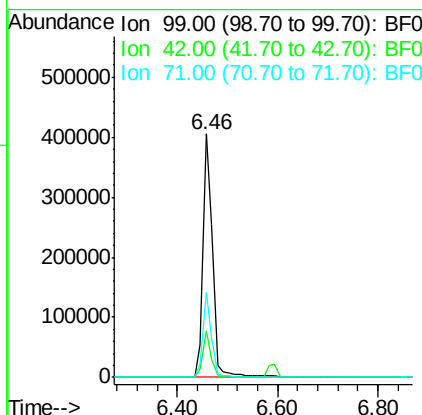
Tot Ion: 99 Resp: 539641

Ion Ratio Lower Upper

99 100

42 19.2 13.2 19.8

71 34.8 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.97 ng

RT: 7.39 min Scan# 460

Delta R.T. 0.15 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Tgt Ion: 70 Resp: 43452

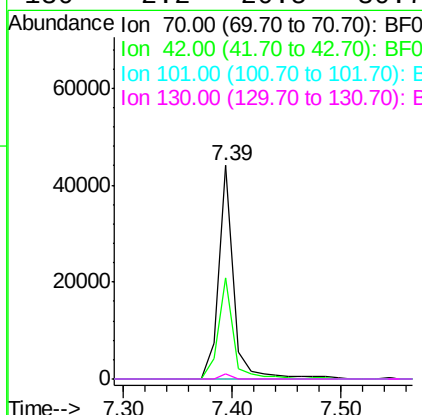
Ion Ratio Lower Upper

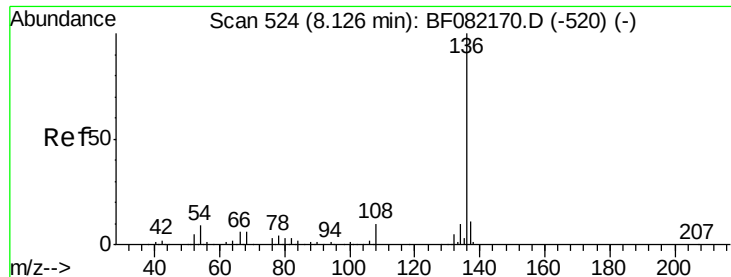
70 100

42 47.2 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: 8.11 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Instrument :

BNA_F

ClientSampleId :

UST-3

Tot Ion:136 Resp: 278746

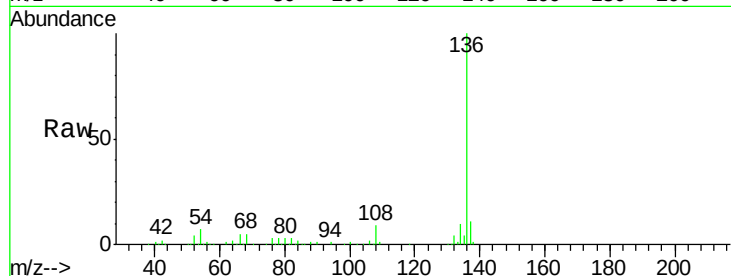
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 7.5 7.5 11.3#

68 5.0 4.6 7.0

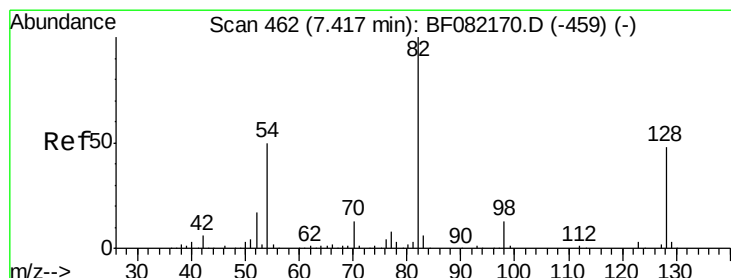
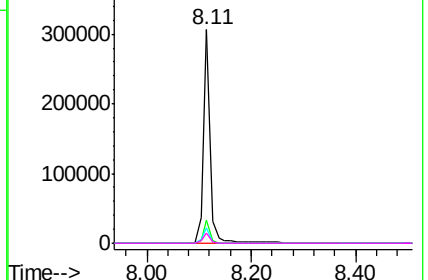
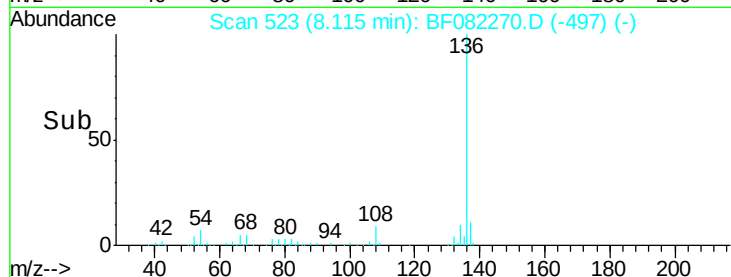


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.78 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

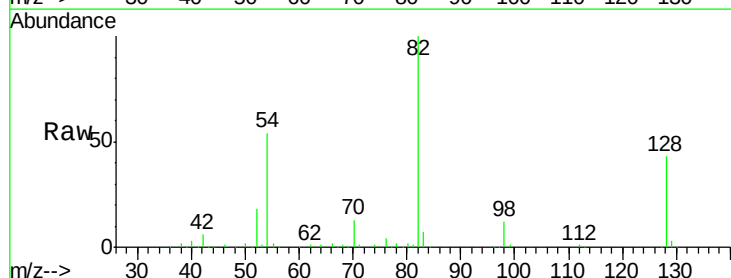
Tgt Ion: 82 Resp: 335309

Ion Ratio Lower Upper

82 100

128 42.7 38.7 58.1

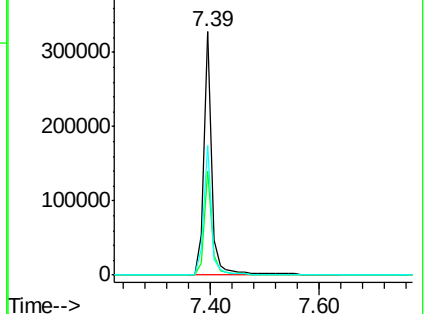
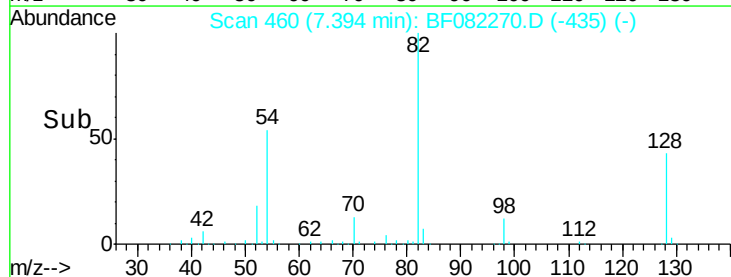
54 53.5 40.1 60.1

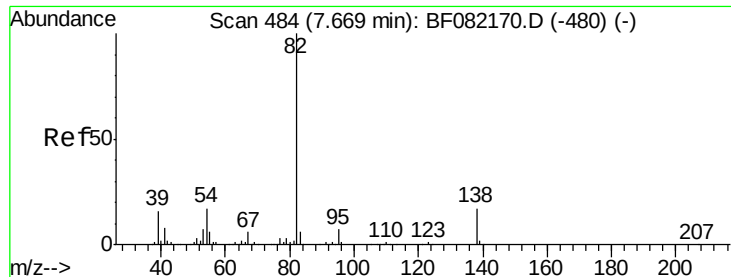


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.96 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.26 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Instrument :

BNA_F

ClientSampleId :

UST-3

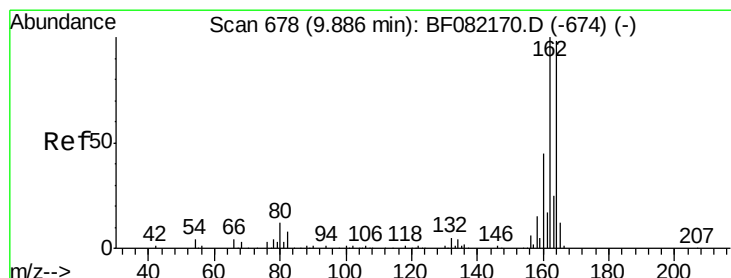
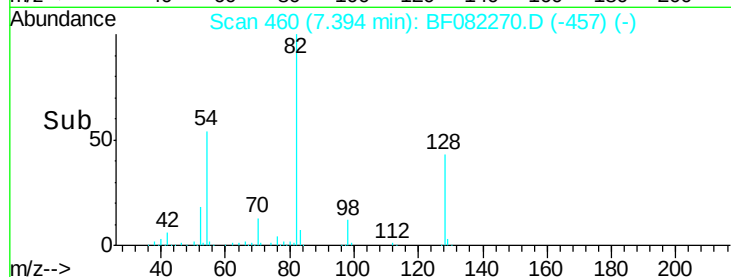
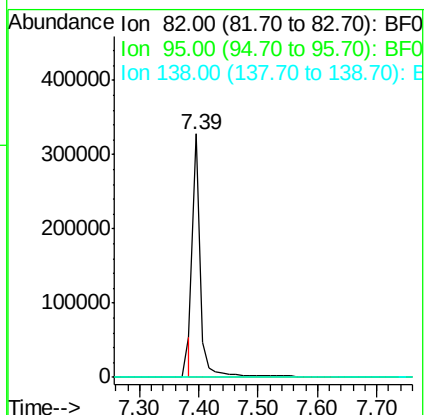
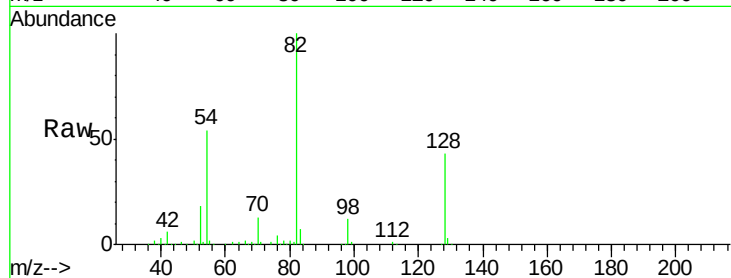
Tot Ion: 82 Resp: 284500

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 13.6 20.4#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

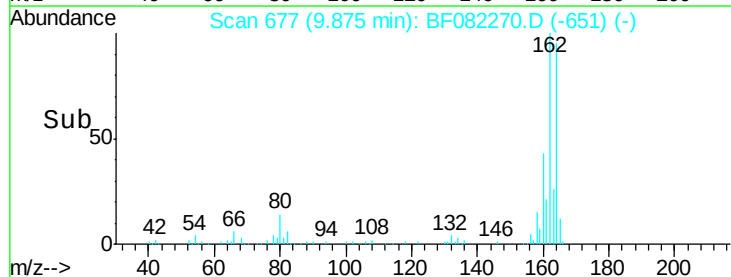
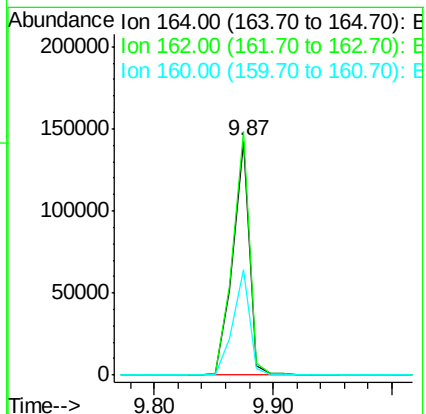
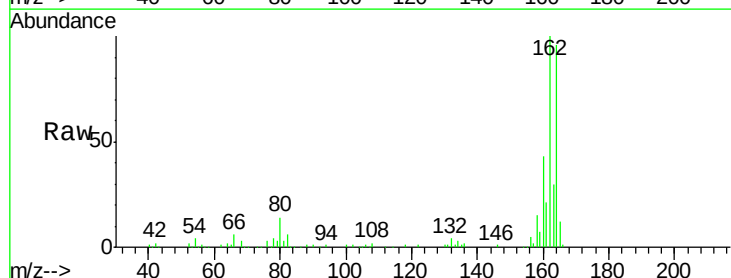
Tgt Ion: 164 Resp: 139663

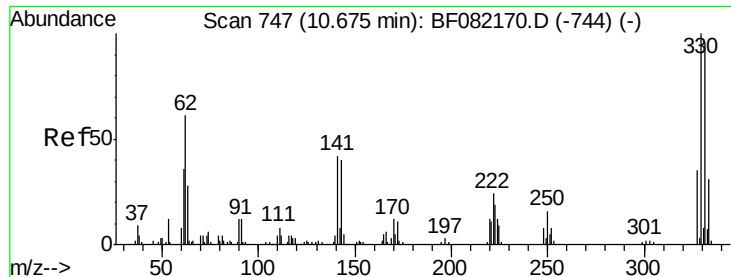
Ion Ratio Lower Upper

164 100

162 104.2 81.6 122.4

160 45.2 36.4 54.6

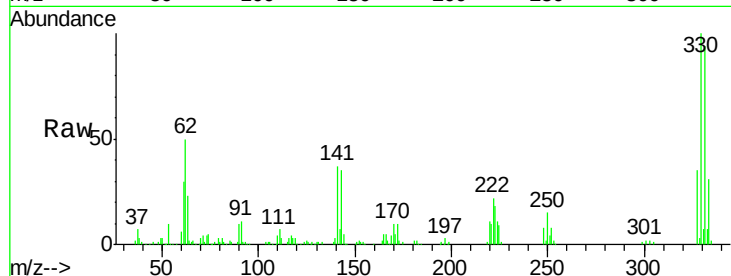




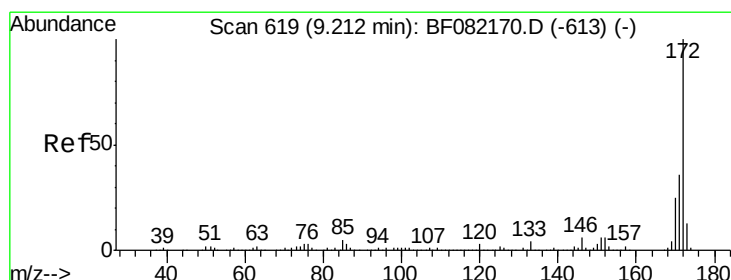
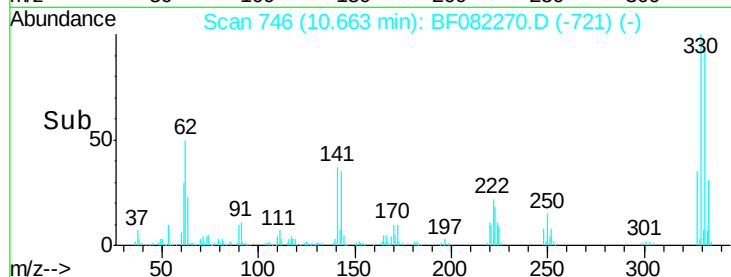
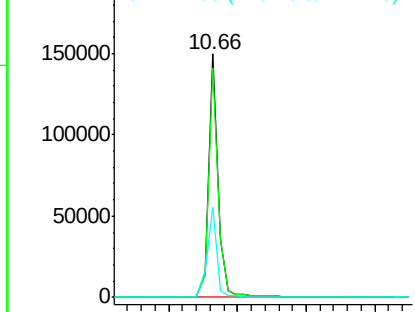
#41
 2,4,6-Tribromophenol
 Concen: 112.06 ng
 RT: 10.66 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: BF082270.D
 Acq: 13 Oct 2015 22:53

Instrument :
 BNA_F
 ClientSampleId :
 UST-3

Tot Ion:330 Resp: 146770
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.1 115.7
 141 37.6 29.8 44.8

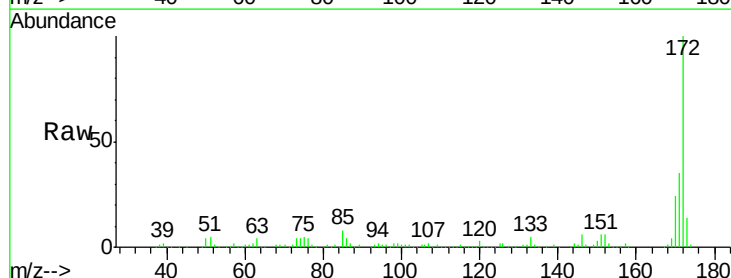


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

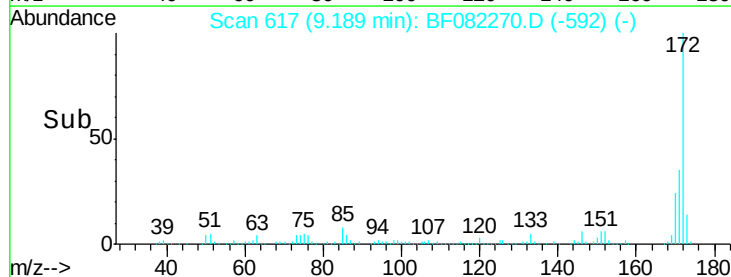
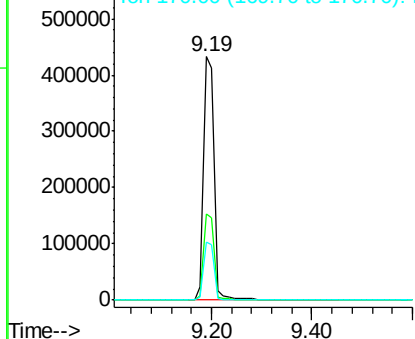


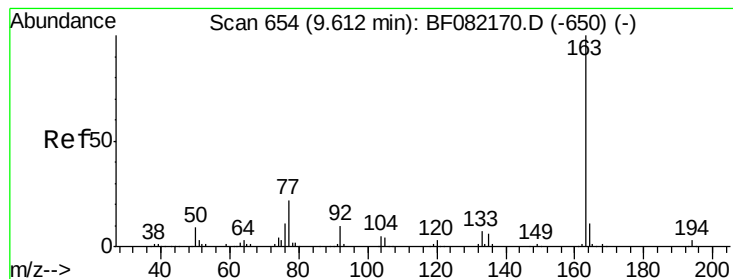
#44
 2-Fluorobiphenyl
 Concen: 75.48 ng
 RT: 9.19 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF082270.D
 Acq: 13 Oct 2015 22:53

Tgt Ion:172 Resp: 635660
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.9 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: 14.31 ng

RT: 9.59 min Scan# 652

Delta R.T. -0.02 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Instrument :

BNA_F

ClientSampleId :

UST-3

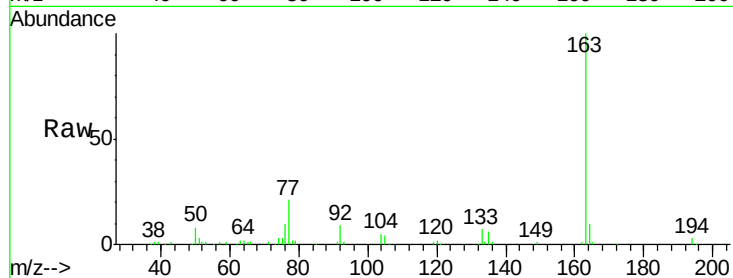
Tot Ion:163 Resp: 140766

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

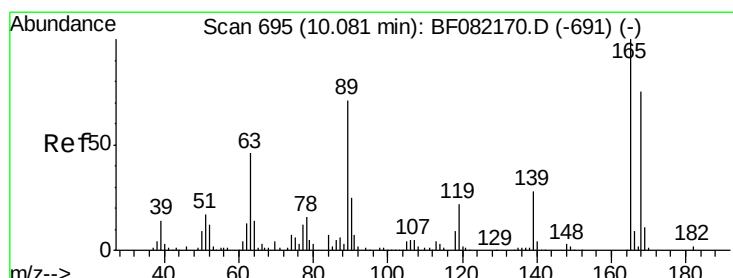
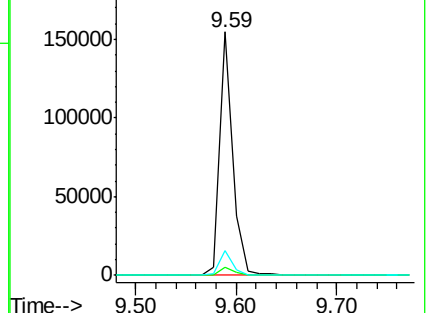
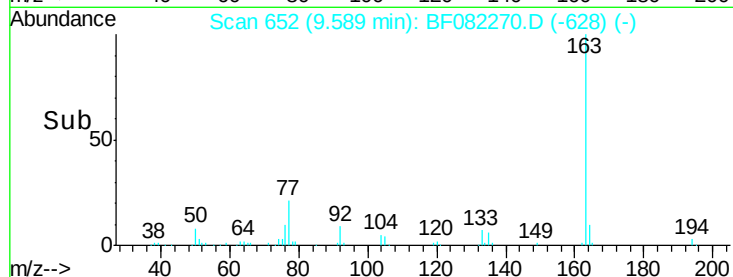
164 10.4 8.5 12.7



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: 7.07 ng

RT: 9.87 min Scan# 677

Delta R.T. -0.21 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Tgt Ion:165 Resp: 18328

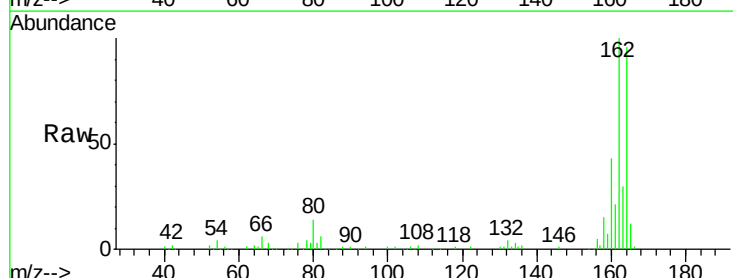
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 0.0 57.0 85.6#

182 0.0 1.8 2.6#

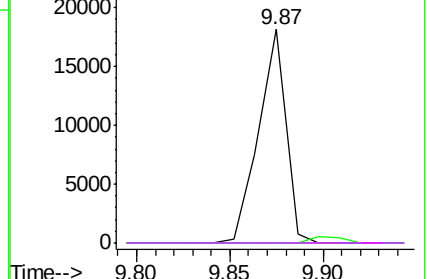
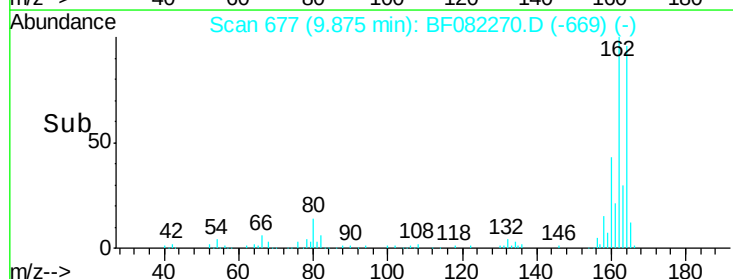


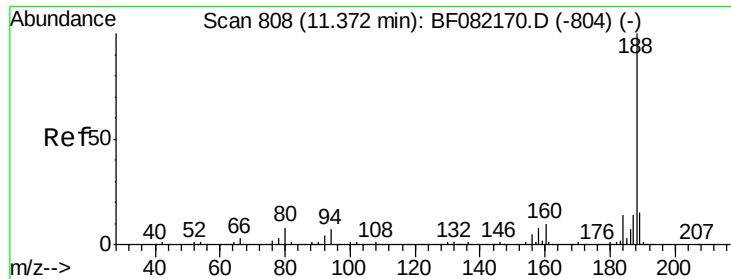
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF082270.D

Acq: 13 Oct 2015 22:53

Instrument :

BNA_F

ClientSampleId :

UST-3

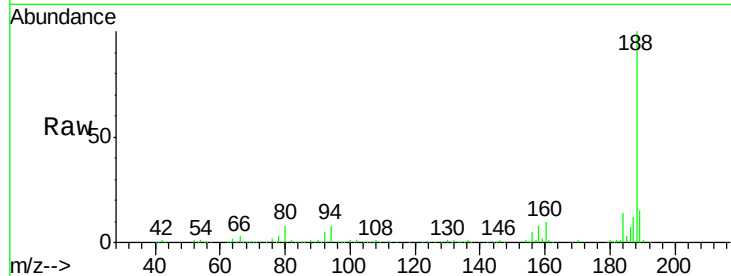
Tot Ion:188 Resp: 277603

Ion Ratio Lower Upper

188 100

94 8.0 5.8 8.6

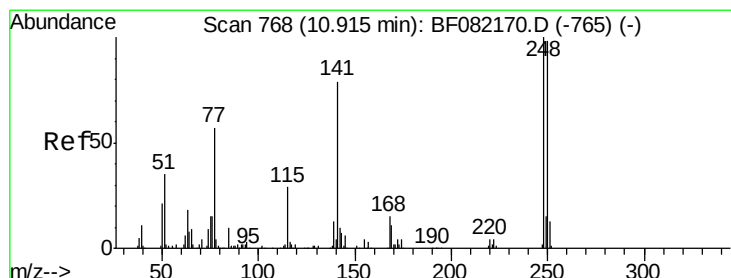
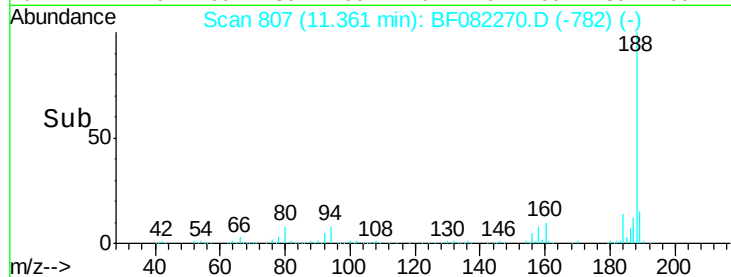
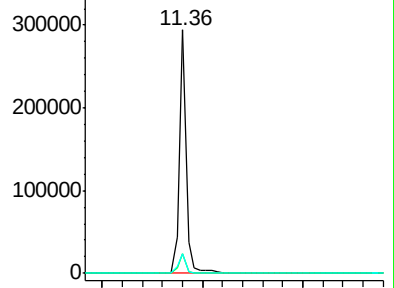
80 8.2 6.4 9.6



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: 3.64 ng

RT: 10.66 min Scan# 746

Delta R.T. -0.25 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

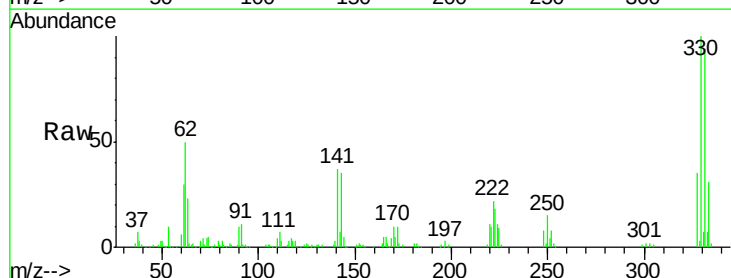
Tgt Ion:248 Resp: 10124

Ion Ratio Lower Upper

248 100

250 191.5 78.6 117.8#

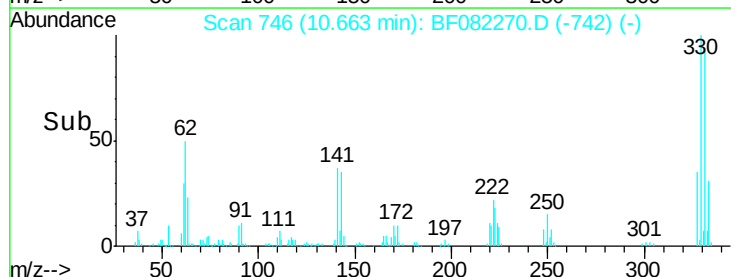
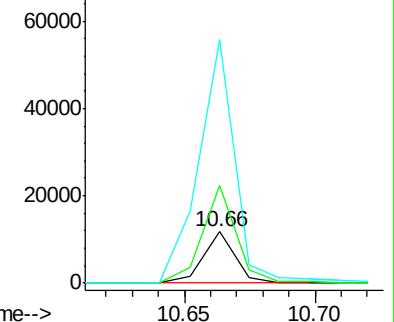
141 475.7 63.3 94.9#

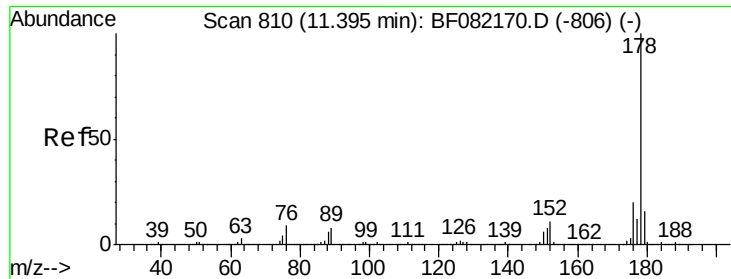


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

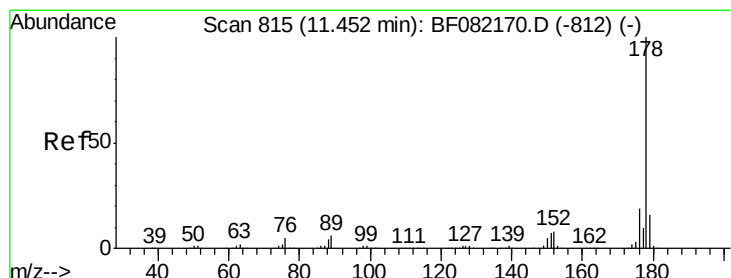
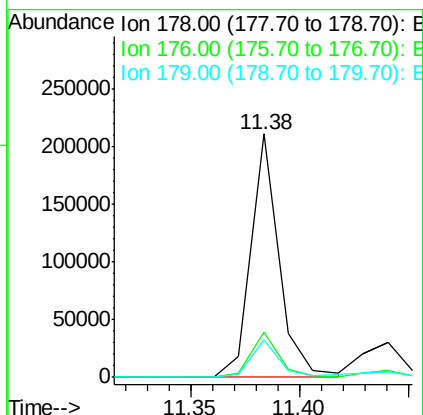
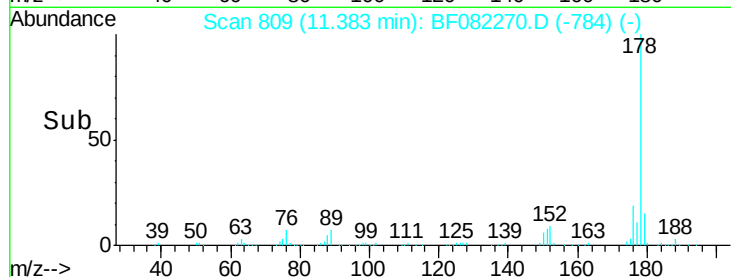
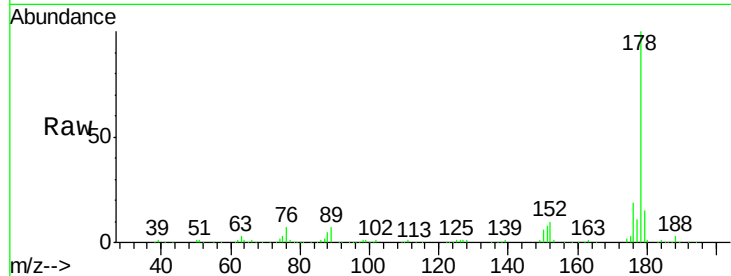




#70
Phenanthrene
Concen: 13.99 ng
RT: 11.38 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF082270.D
Acq: 13 Oct 2015 22:53

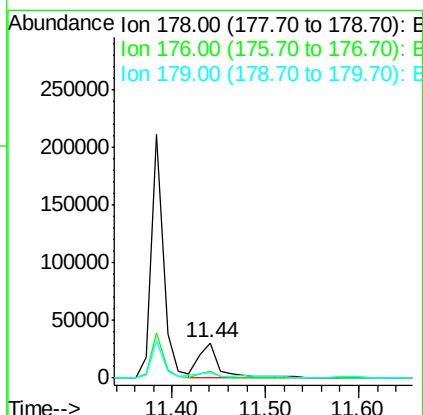
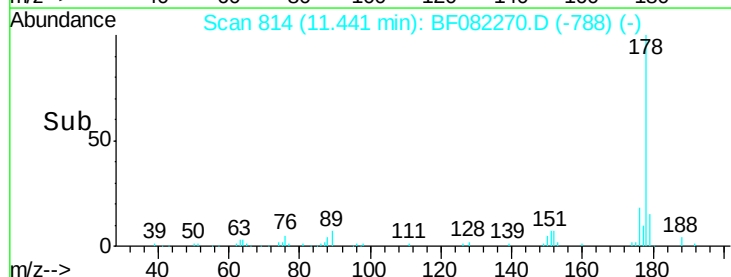
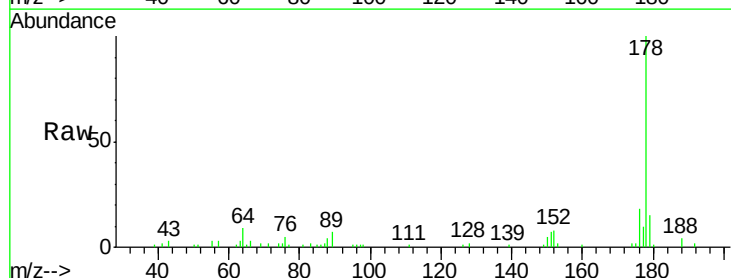
Instrument :
BNA_F
ClientSampleId :
UST-3

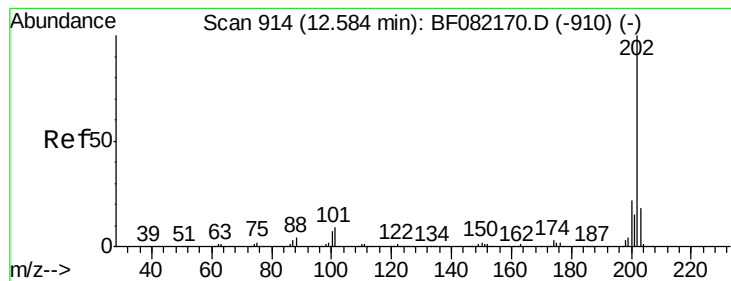
Tot Ion:178 Resp: 190329
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 15.3 12.6 19.0



#71
Anthracene
Concen: 3.32 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF082270.D
Acq: 13 Oct 2015 22:53

Tgt Ion:178 Resp: 46496
Ion Ratio Lower Upper
178 100
176 17.5 15.4 23.0
179 15.0 12.5 18.7





#74

Fluoranthene

Concen: 19.57 ng

RT: 12.57 min Scan# 913

Delta R.T. -0.02 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Instrument :

BNA_F

ClientSampleId :

UST-3

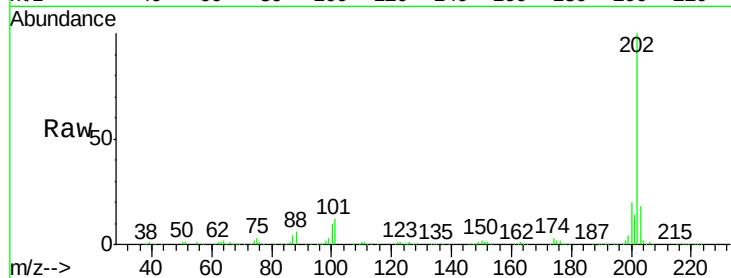
Tot Ion:202 Resp: 286014

Ion Ratio Lower Upper

202 100

101 12.3 0.0 29.3

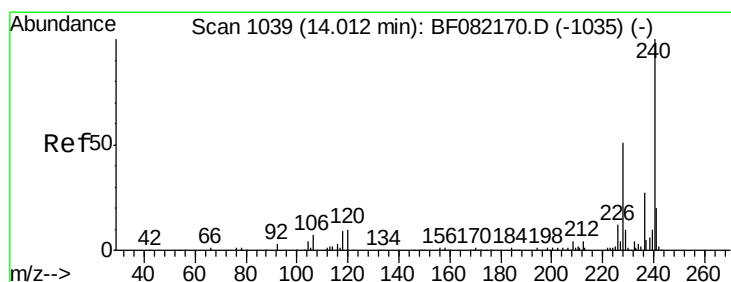
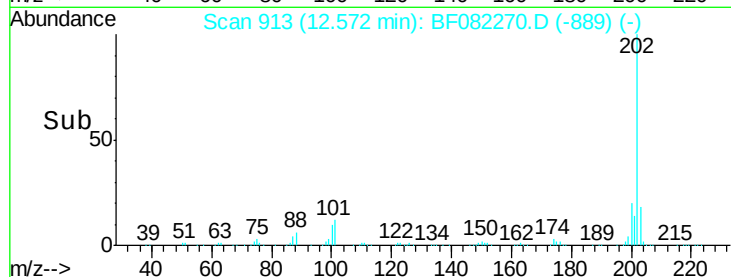
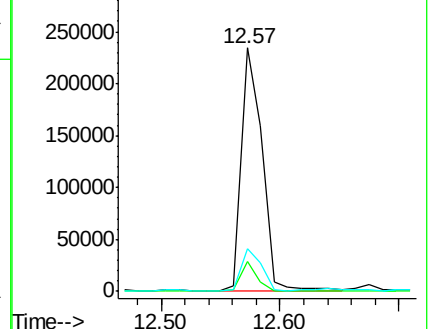
203 17.7 0.0 37.8



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: 14.04 min Scan# 1041

Delta R.T. -0.10 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

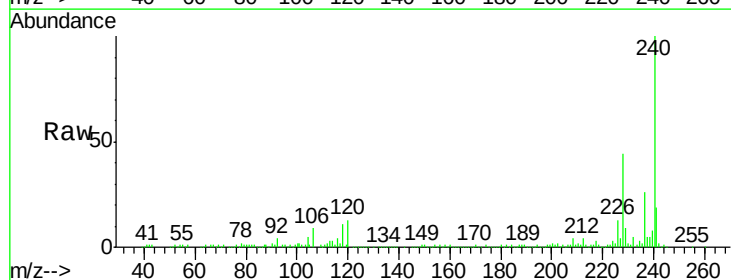
Tgt Ion:240 Resp: 237929

Ion Ratio Lower Upper

240 100

120 12.9 8.1 12.1#

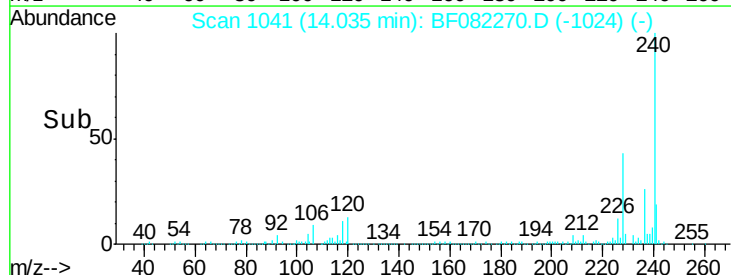
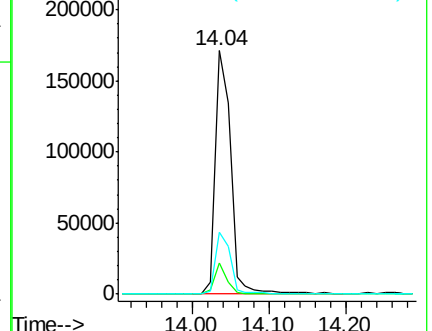
236 25.5 21.3 31.9

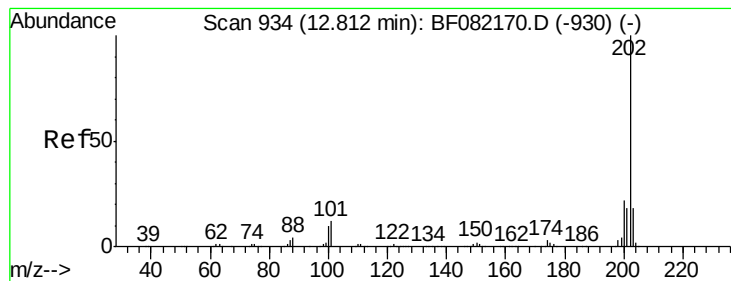


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 18.50 ng

RT: 12.80 min Scan# 933

Delta R.T. -0.03 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Instrument :

BNA_F

ClientSampleId :

UST-3

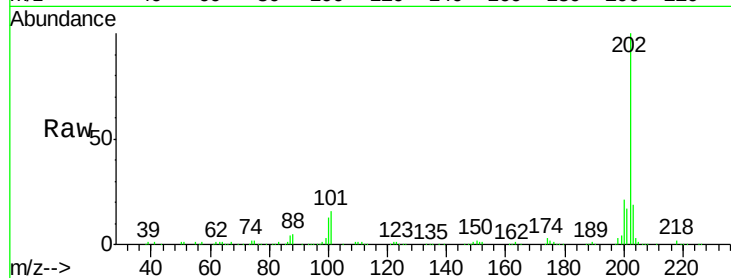
Tot Ion:202 Resp: 261258

Ion Ratio Lower Upper

202 100

200 20.9 17.9 26.9

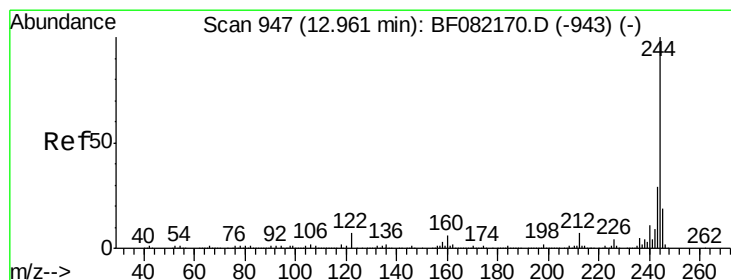
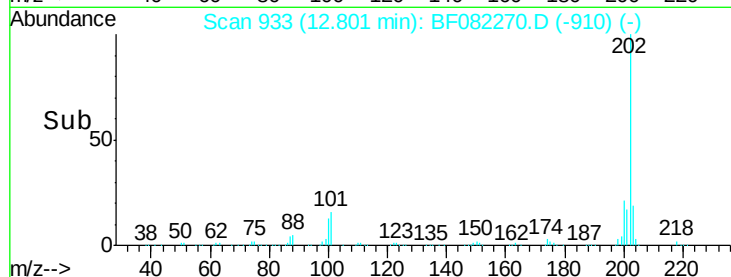
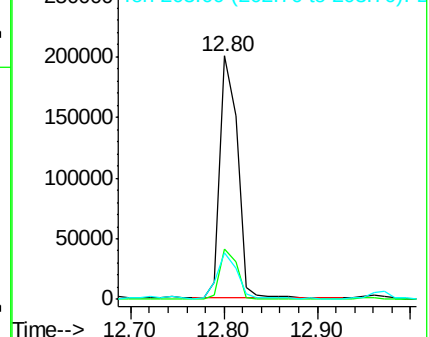
203 19.4 14.5 21.7



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: 74.17 ng

RT: 12.96 min Scan# 947

Delta R.T. -0.02 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

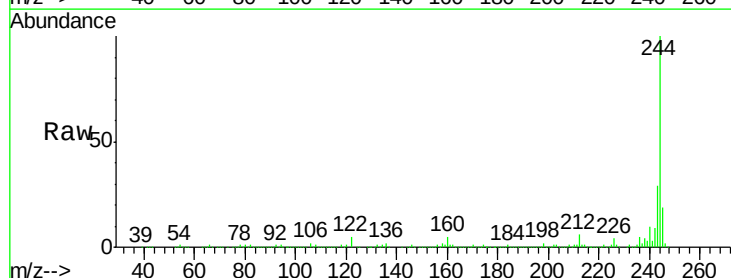
Tgt Ion:244 Resp: 665949

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.6

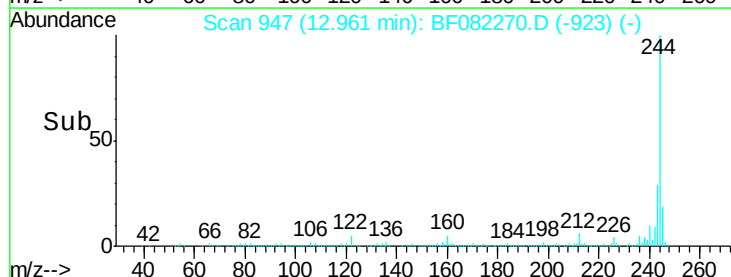
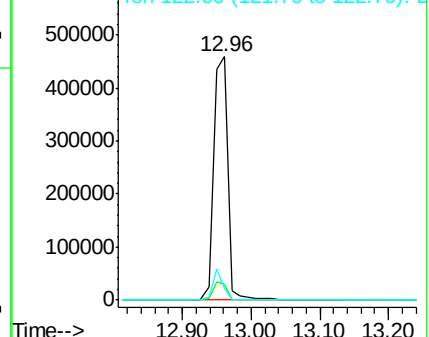
122 5.0 5.9 8.9#

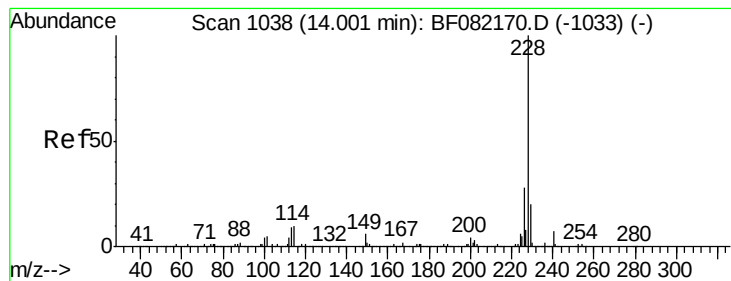


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.20 ng

RT: 14.02 min Scan# 1040

Delta R.T. -0.10 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Instrument :

BNA_F

ClientSampled :

UST-3

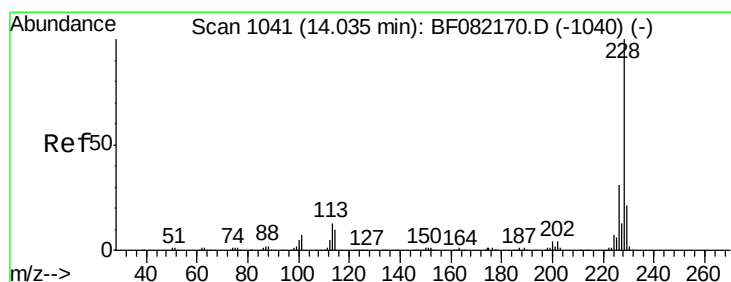
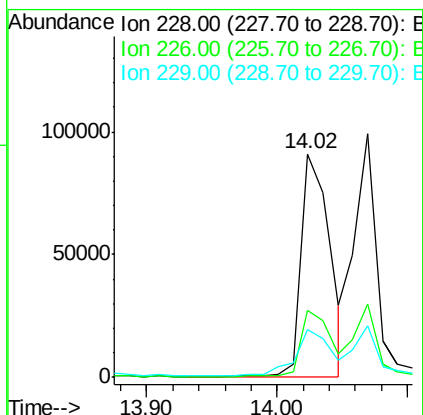
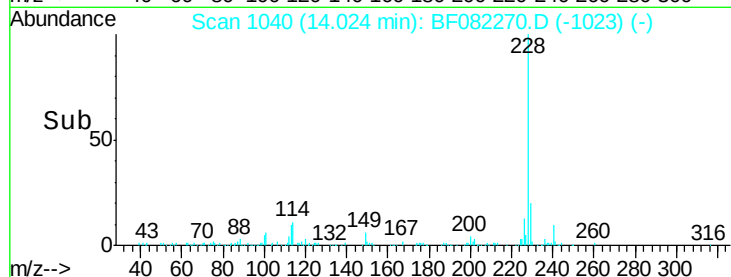
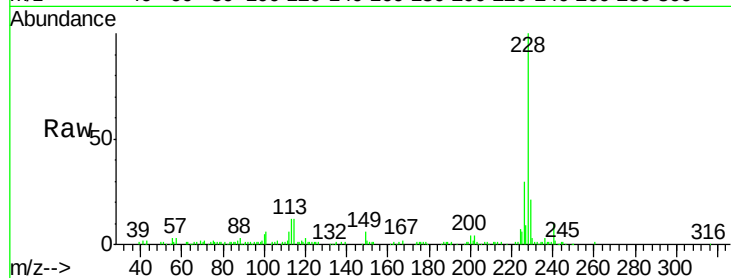
Tot Ion:228 Resp: 138627

Ion Ratio Lower Upper

228 100

226 29.9 22.3 33.5

229 21.2 16.2 24.2



#82

Chrysene

Concen: 9.18 ng

RT: 14.07 min Scan# 1044

Delta R.T. -0.10 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

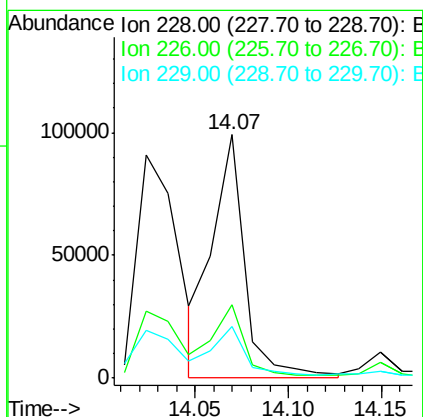
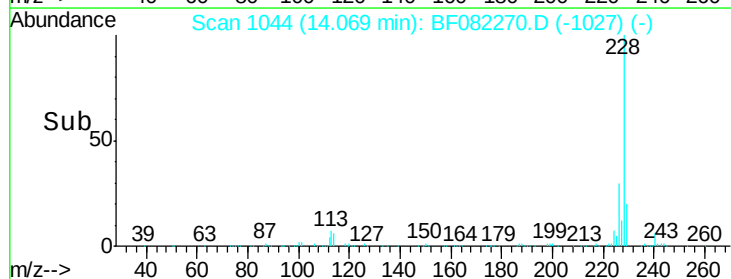
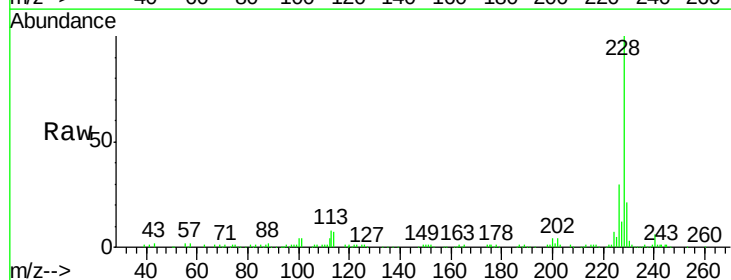
Tgt Ion:228 Resp: 119742

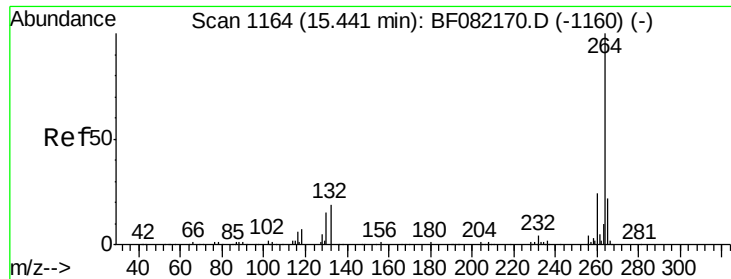
Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 21.3 16.3 24.5

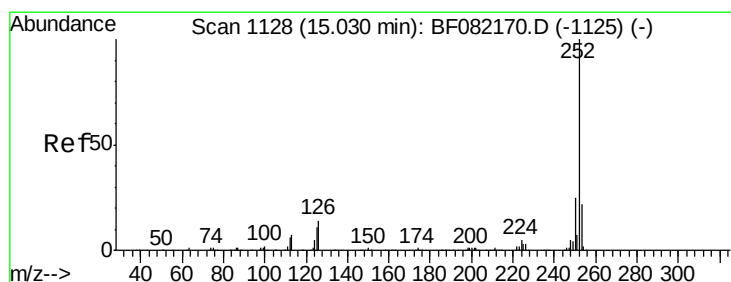
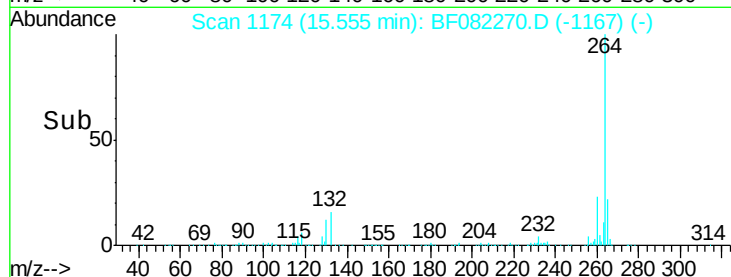
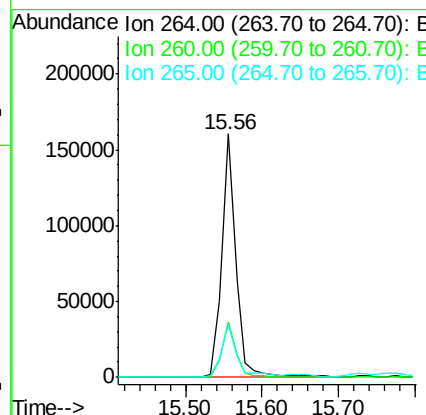
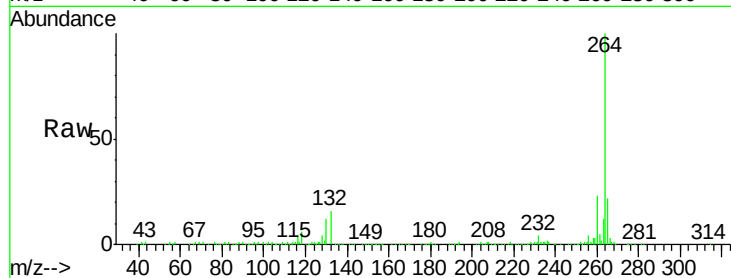




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1174
Delta R.T. -0.22 min
Lab File: BF082270.D
Acq: 13 Oct 2015 22:53

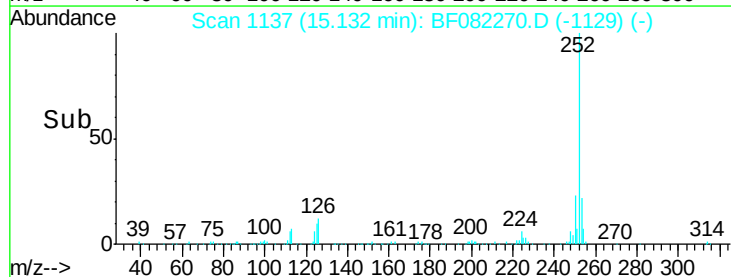
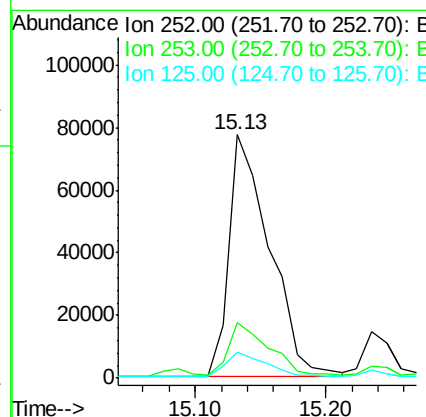
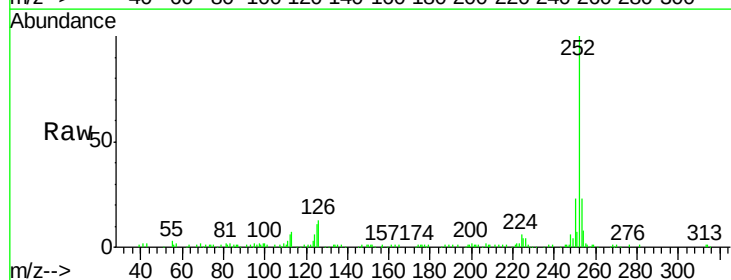
Instrument :
BNA_F
ClientSampleId :
UST-3

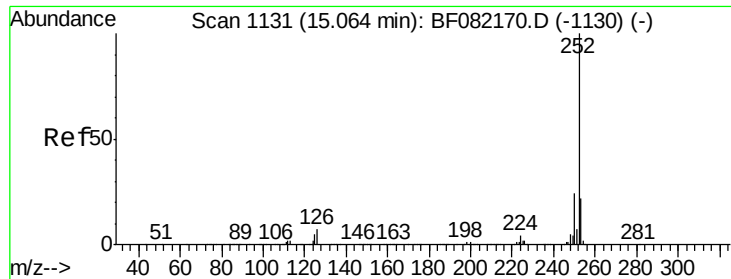
Tot Ion:264 Resp: 208075
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.6
265 21.6 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 13.26 ng
RT: 15.13 min Scan# 1137
Delta R.T. -0.21 min
Lab File: BF082270.D
Acq: 13 Oct 2015 22:53

Tgt Ion:252 Resp: 167843
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 10.7 8.6 12.8





#88

Benzo(k)fluoranthene

Concen: 15.77 ng

RT: 15.13 min Scan# 1137

Delta R.T. -0.24 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Instrument :

BNA_F

ClientSampleId :

UST-3

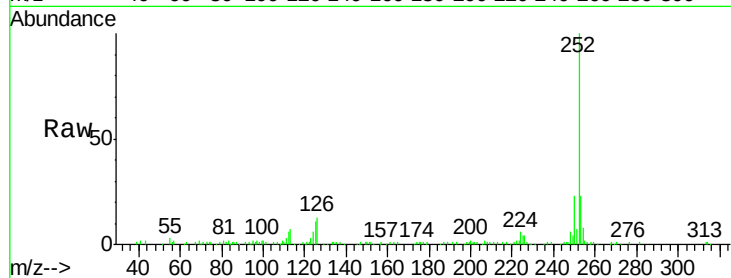
Tot Ion:252 Resp: 167843

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

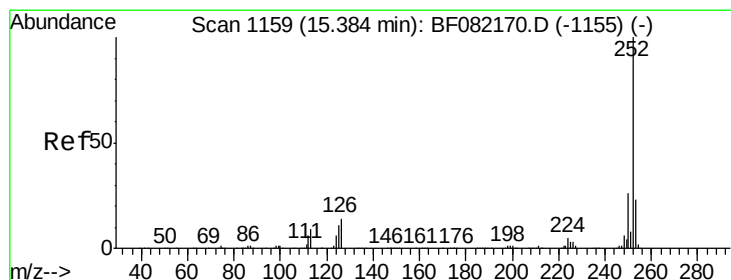
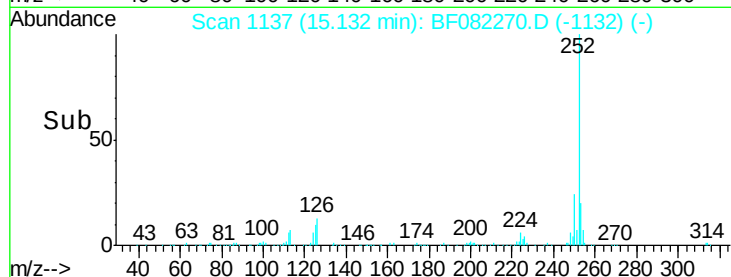
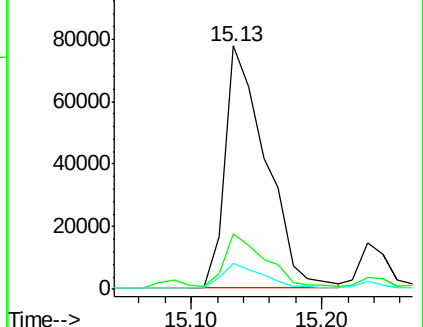
125 10.7 6.7 10.1#



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: 8.33 ng

RT: 15.50 min Scan# 1169

Delta R.T. -0.21 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

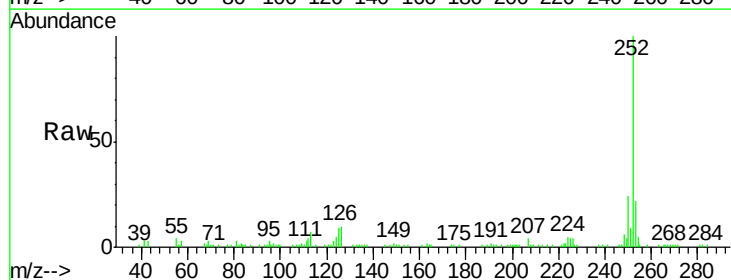
Tgt Ion:252 Resp: 90617

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.2

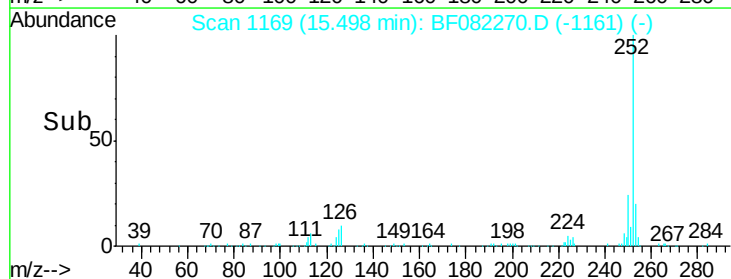
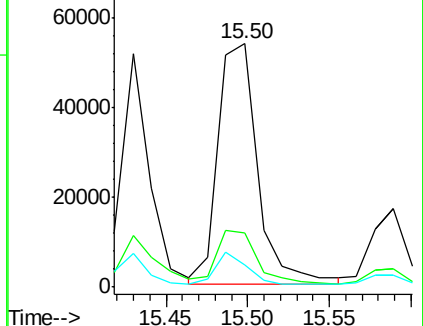
125 8.9 8.9 13.3#

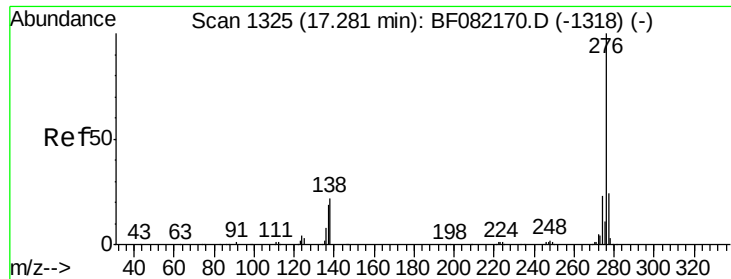


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 5.96 ng

RT: 17.41 min Scan# 1336

Delta R.T. -0.26 min

Lab File: BF082270.D

Acq: 13 Oct 2015 22:53

Instrument :

BNA_F

ClientSampleId :

UST-3

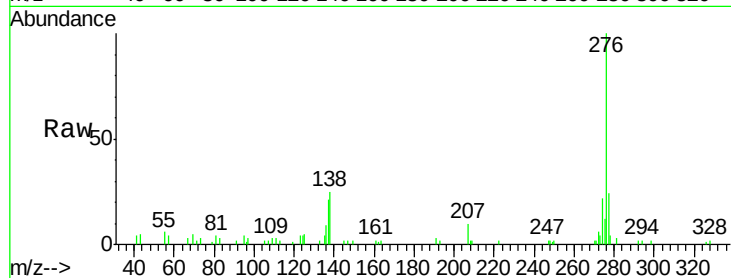
Tot Ion: 276 Resp: 51633

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 25.1 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

