

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086444.D
 Acq On : 28 Apr 2016 00:55
 Operator : UM/SJ
 Sample : H2702-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1A

Quant Time: Apr 28 02:16:08 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

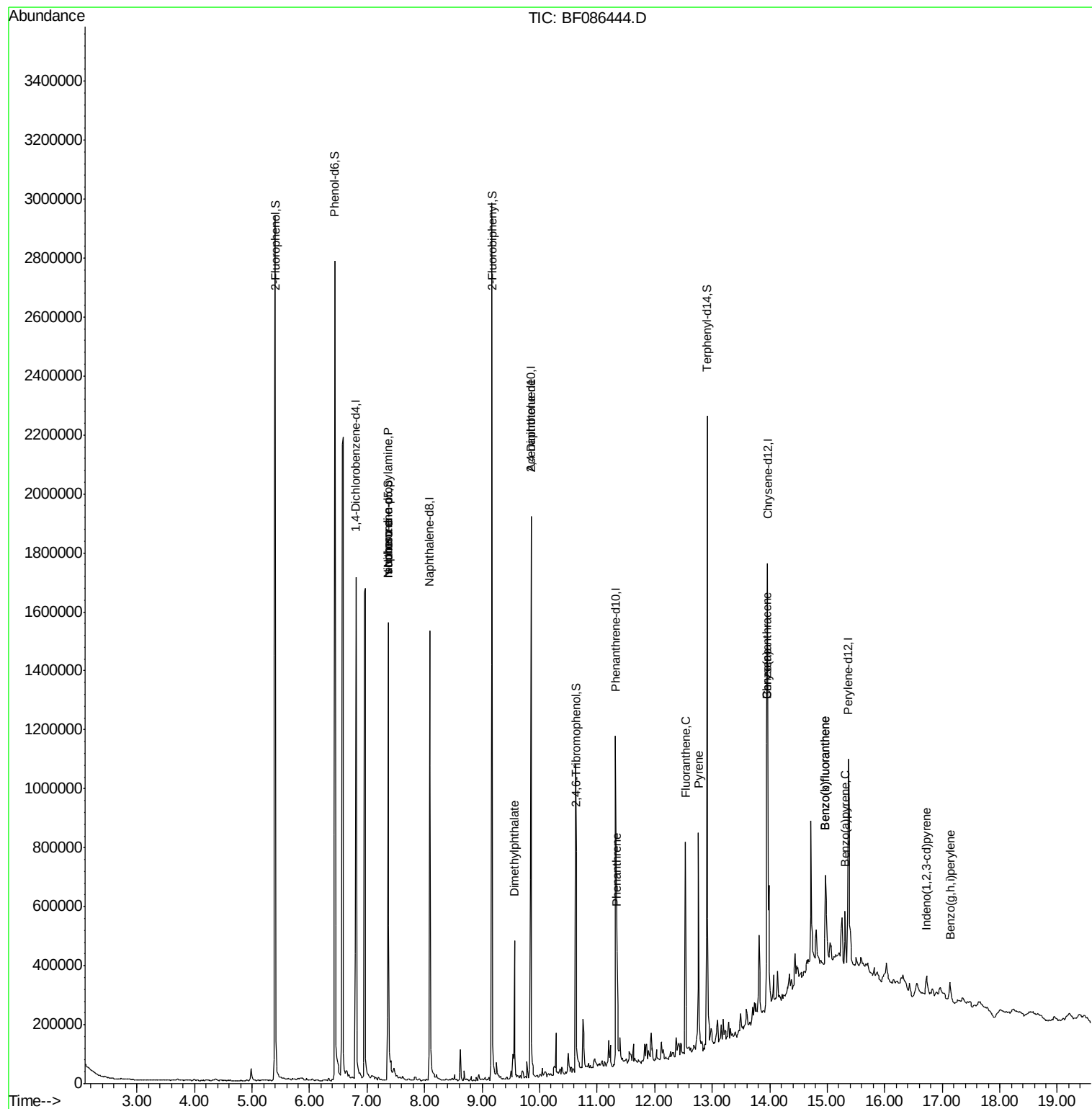
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	245636	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	920290	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	387491	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	548176	20.00	ng	0.00
75) Chrysene-d12	13.96	240	560360	20.00	ng	0.00
86) Perylene-d12	15.37	264	401819	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	834138	58.57	ng	0.01
7) Phenol-d6	6.44	99	977567	49.18	ng	0.00
23) Nitrobenzene-d5	7.37	82	586335	34.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	167027	40.87	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1077197	42.22	ng	0.00
78) Terphenyl-d14	12.91	244	677314	26.63	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	77015	5.86	ng	# 73
25) Isophorone	7.37	82	508802	15.48	ng	# 68
49) Dimethylphthalate	9.56	163	167919	5.76	ng	98
56) 2,4-Dinitrotoluene	9.85	165	49905	6.50	ng	# 16
70) Phenanthrene	11.34	178	146773	5.10	ng	99
74) Fluoranthene	12.53	202	300969	10.36	ng	97
77) Pyrene	12.76	202	304581	7.54	ng	99
80) Benzo(a)anthracene	13.95	228	195733	6.55	ng	97
82) Chrysene	13.95	228	195733	6.03	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	59270	2.46	ng	# 91
87) Benzo(b)fluoranthene	14.97	252	236220	9.99	ng	97
88) Benzo(k)fluoranthene	14.97	252	236220	9.58	ng	# 94
89) Benzo(a)pyrene	15.31	252	115301	5.17	ng	# 93
91) Benzo(a,h,i)perylene	17.14	276	55805	3.05	ng	95

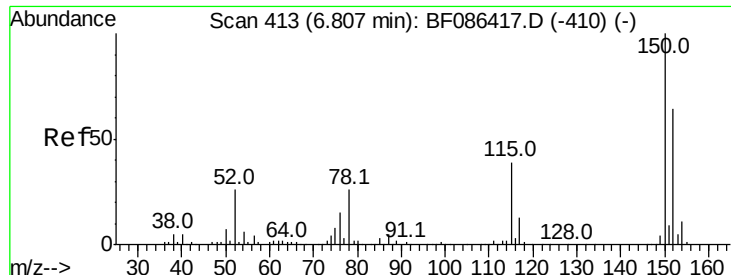
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1A

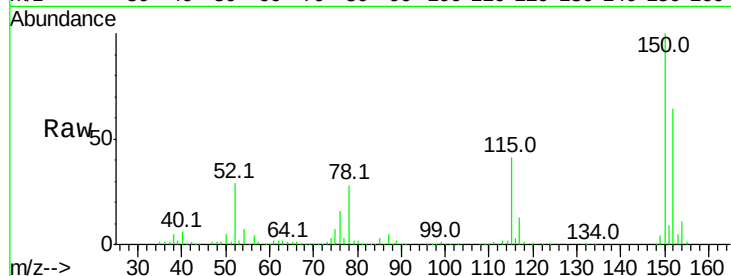
Tot Ion:152 Resp: 245636

Ion Ratio Lower Upper

152 100

150 155.5 125.8 188.6

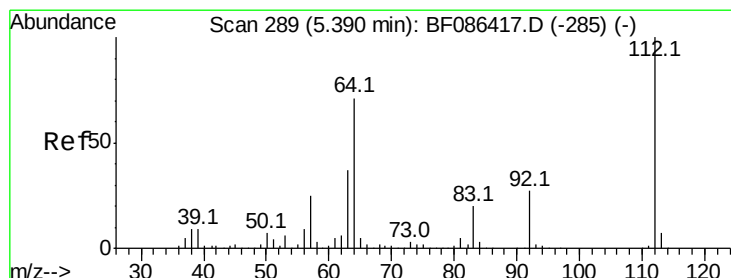
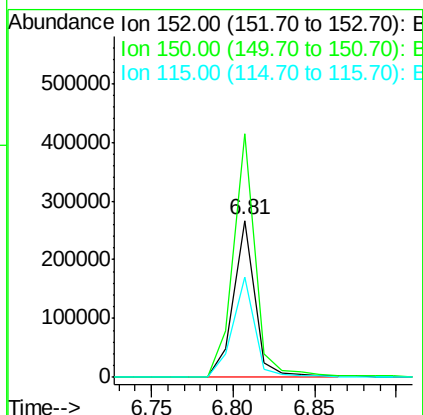
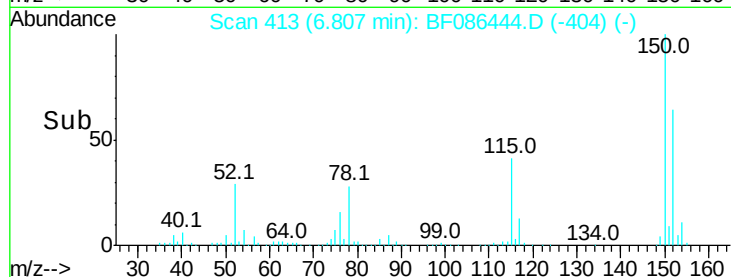
115 63.8 51.5 77.3



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: 58.57 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

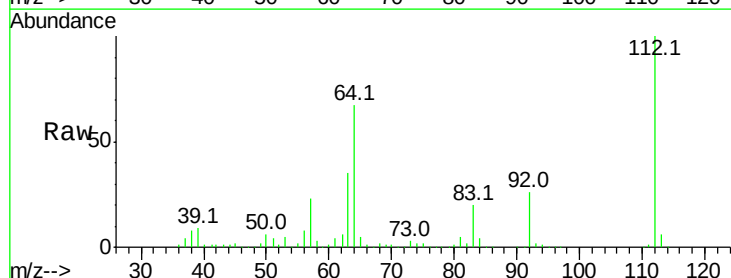
Tgt Ion:112 Resp: 834138

Ion Ratio Lower Upper

112 100

64 66.9 52.1 78.1

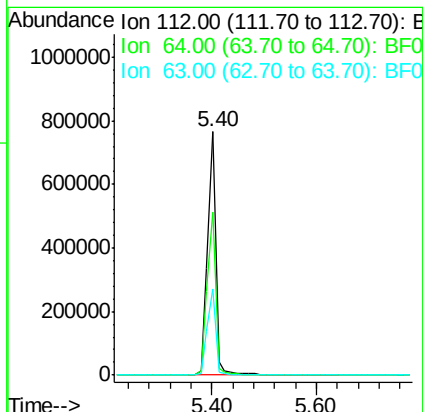
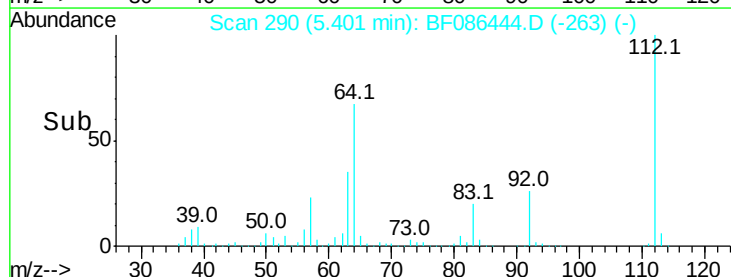
63 35.4 25.7 38.5

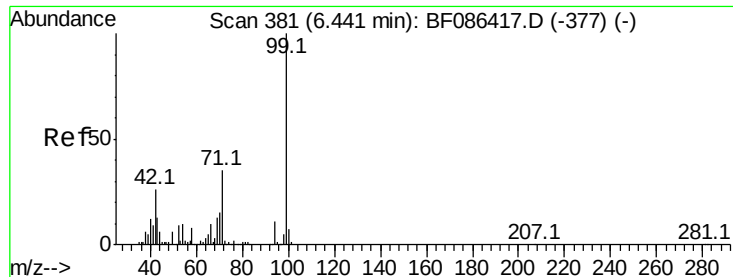


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 49.18 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1A

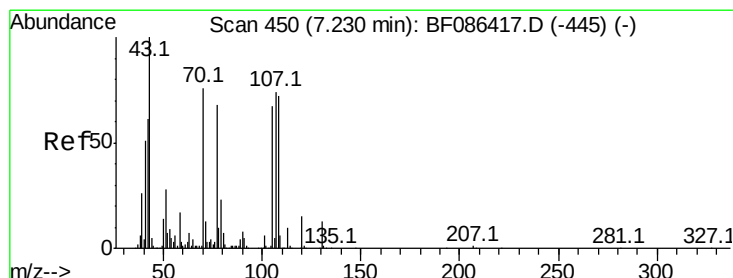
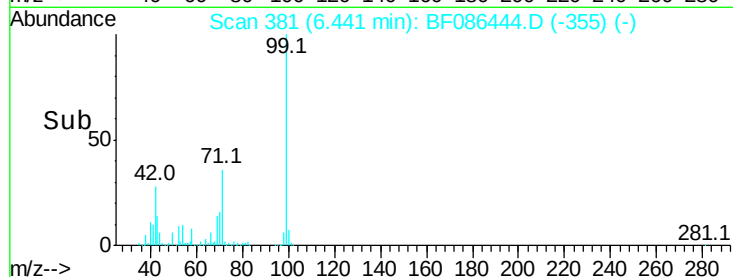
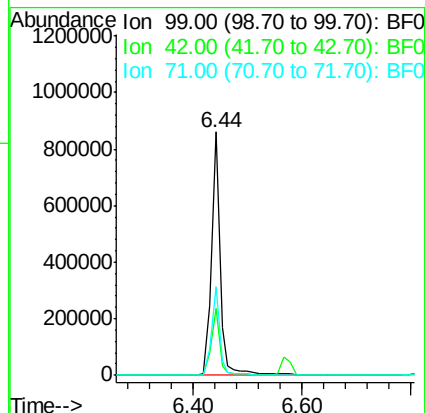
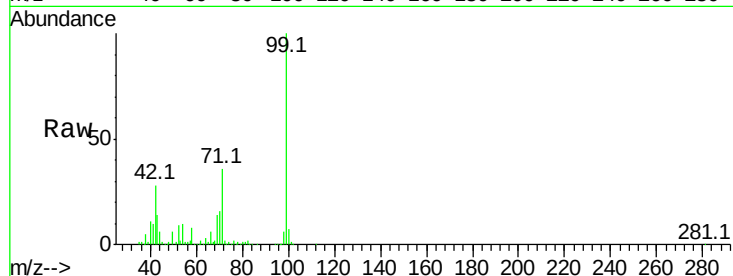
Tot Ion: 99 Resp: 977567

Ion Ratio Lower Upper

99 100

42 27.8 13.6 20.4#

71 36.2 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 5.86 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.14 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Tgt Ion: 70 Resp: 77015

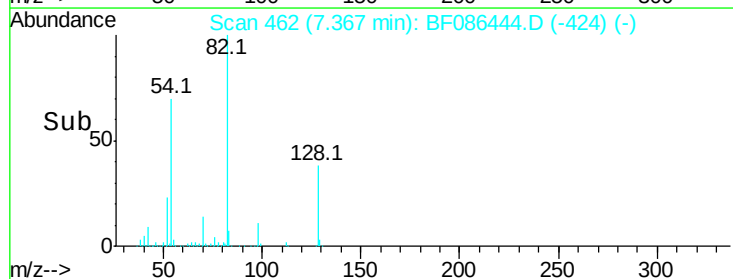
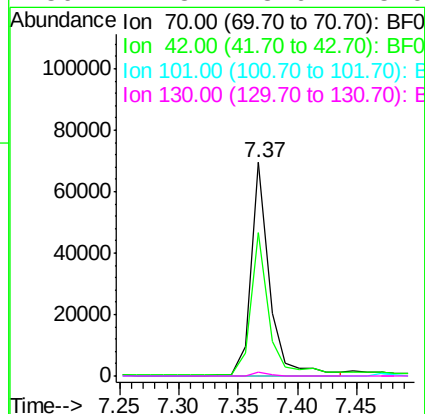
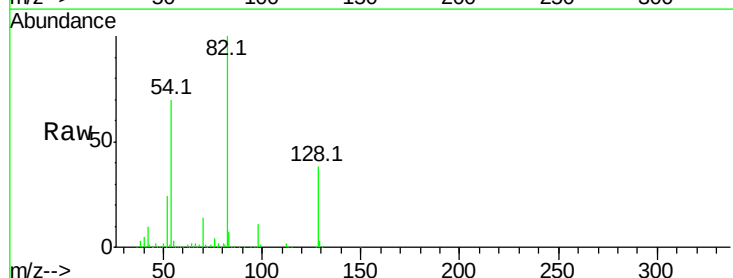
Ion Ratio Lower Upper

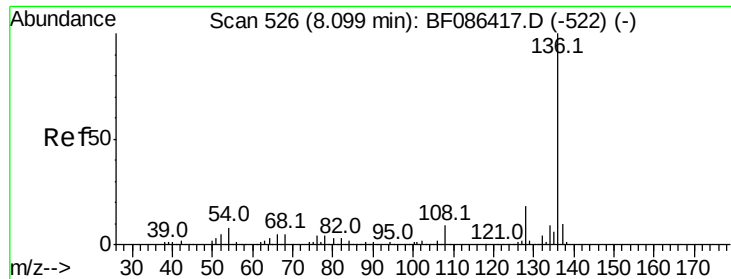
70 100

42 67.4 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1A

Tot Ion:136 Resp: 920290

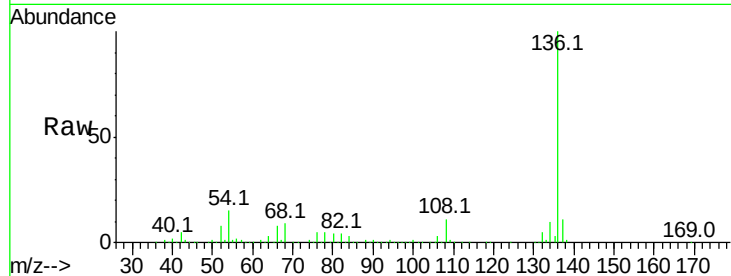
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 15.1 5.0 7.4#

68 8.8 4.4 6.6#

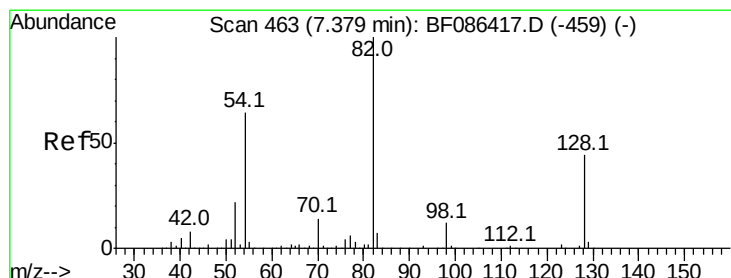
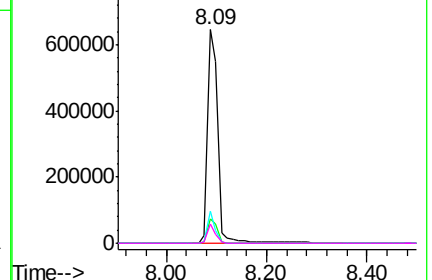
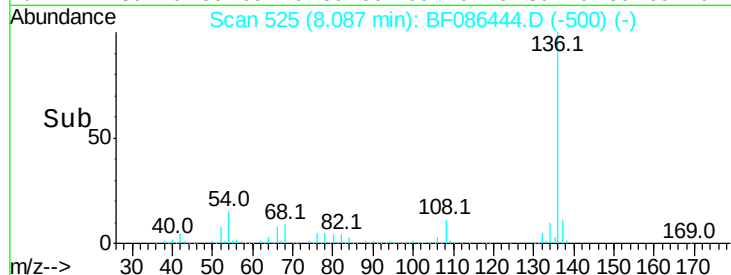


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.34 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

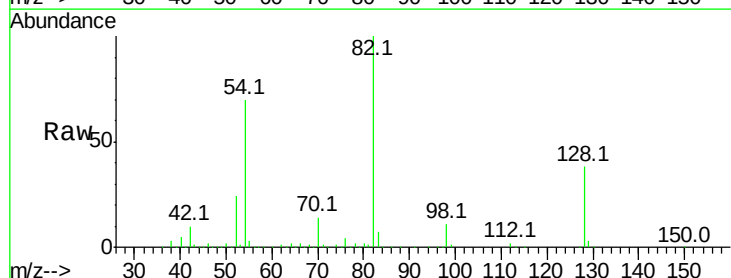
Tgt Ion: 82 Resp: 586335

Ion Ratio Lower Upper

82 100

128 37.9 40.6 61.0#

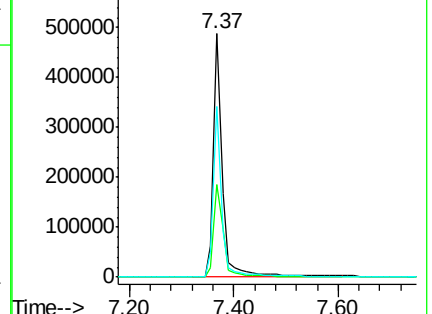
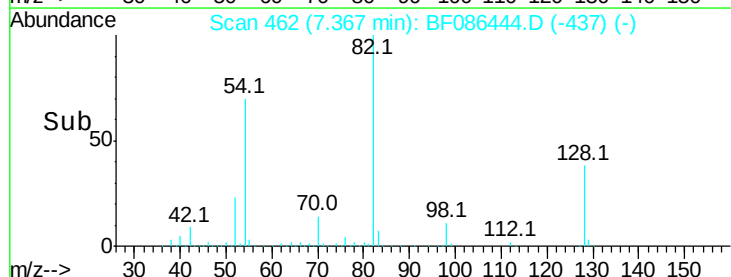
54 70.3 38.1 57.1#

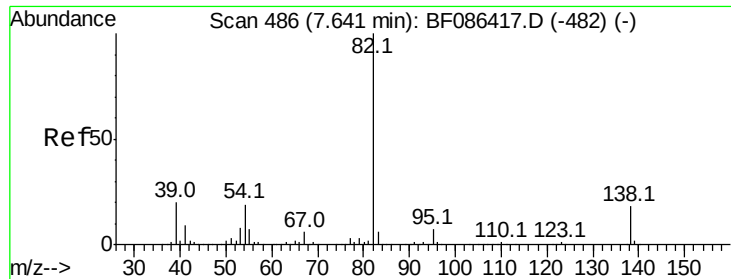


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

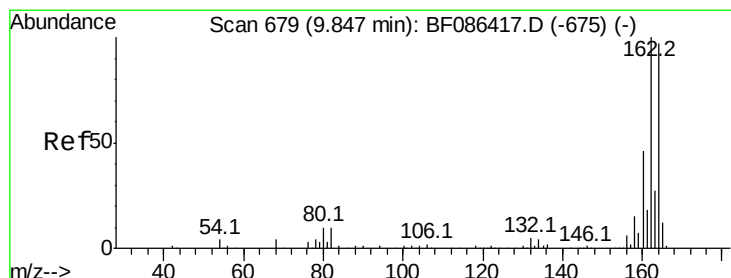
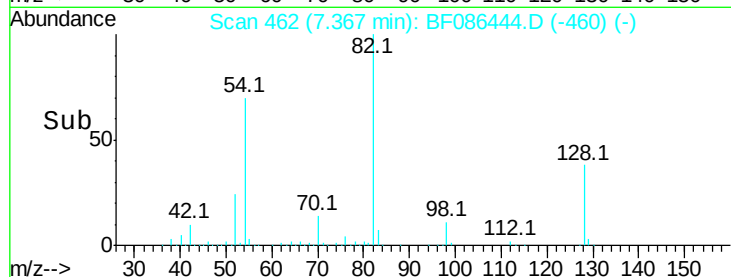
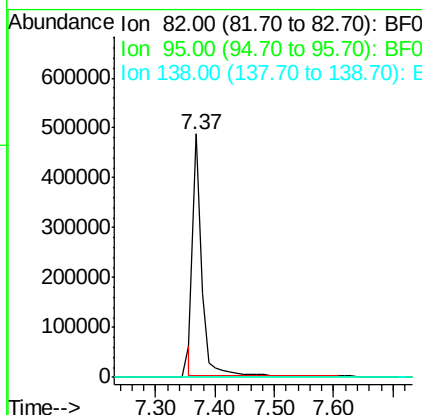
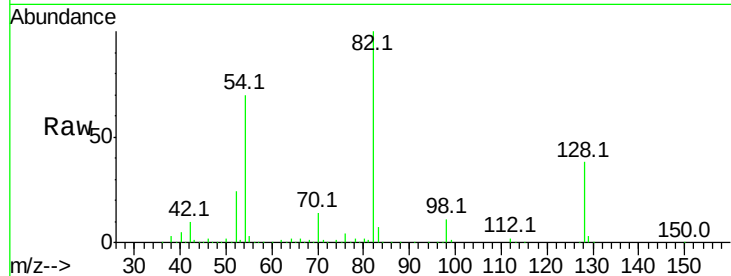




#25
Isophorone
Concen: 15.48 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.27 min
Lab File: BF086444.D
Acq: 28 Apr 2016 00:55

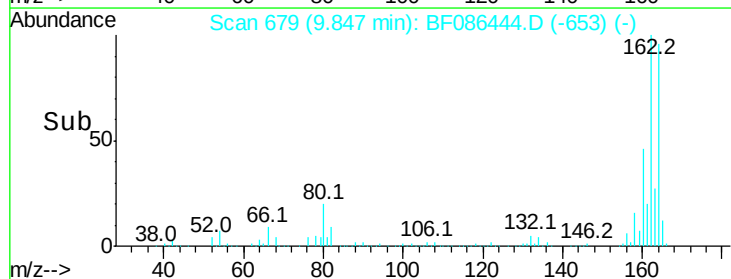
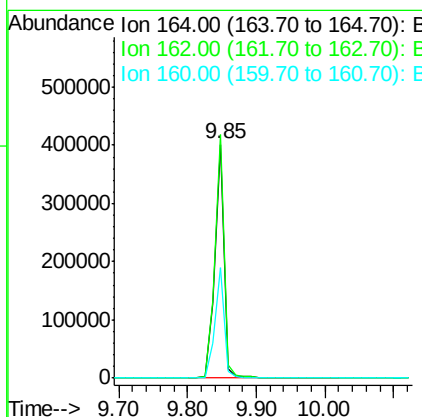
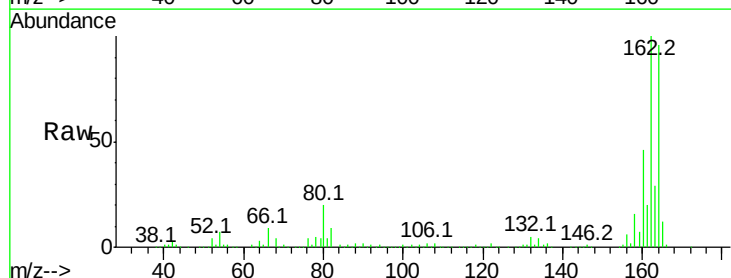
Instrument :
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TEC-COMP-B1A

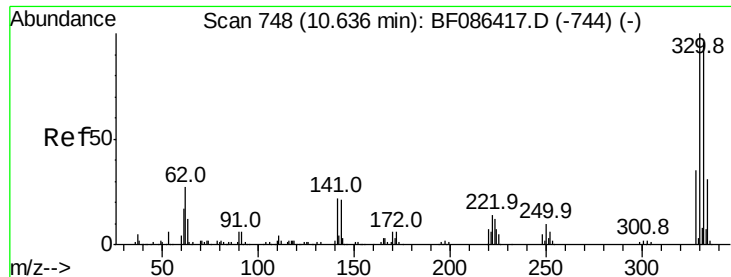
Tot Ion: 82 Resp: 508802
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.4 18.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. 0.00 min
Lab File: BF086444.D
Acq: 28 Apr 2016 00:55

Tgt Ion:164 Resp: 387491
Ion Ratio Lower Upper
164 100
162 104.3 82.8 124.2
160 47.5 36.9 55.3

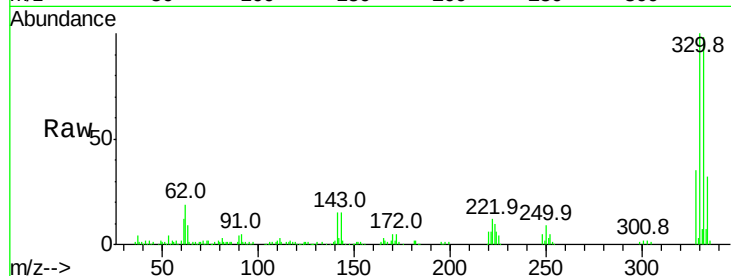




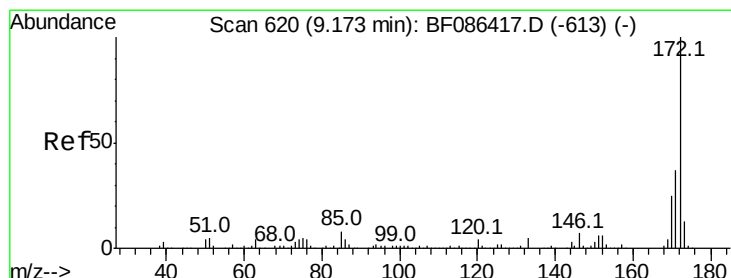
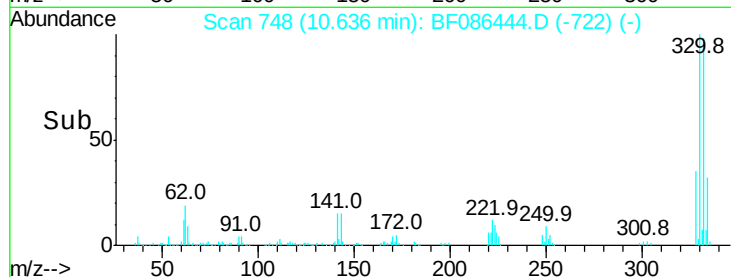
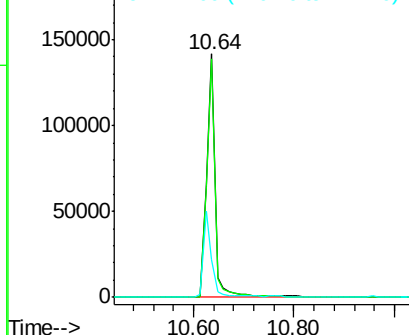
#41
 2,4,6-Tribromophenol
 Concen: 40.87 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF086444.D
 Acq: 28 Apr 2016 00:55

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1A

Tot Ion:330 Resp: 167027
 Ion Ratio Lower Upper
 330 100
 332 97.1 79.0 118.4
 141 33.3 31.2 46.8

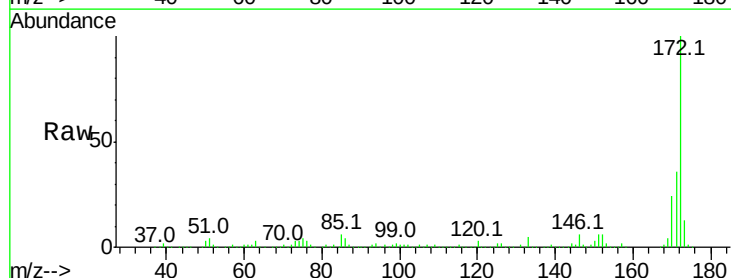


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

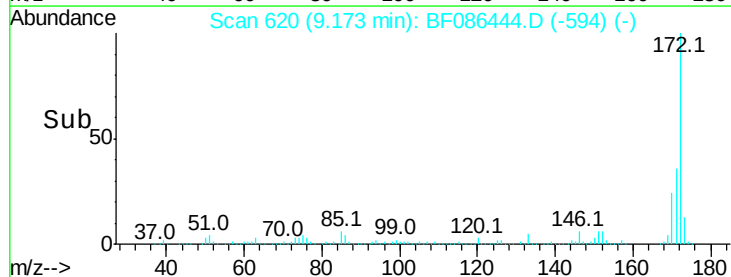
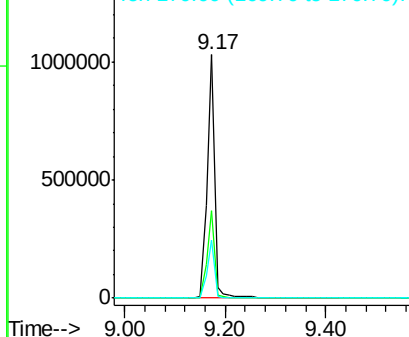


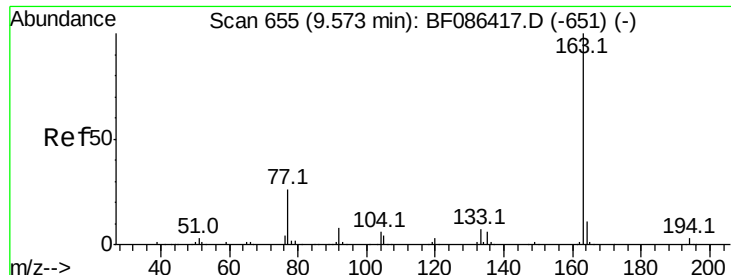
#44
 2-Fluorobiphenyl
 Concen: 42.22 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF086444.D
 Acq: 28 Apr 2016 00:55

Tgt Ion:172 Resp: 1077197
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.6
 170 23.9 19.8 29.8



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: 5.76 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1A

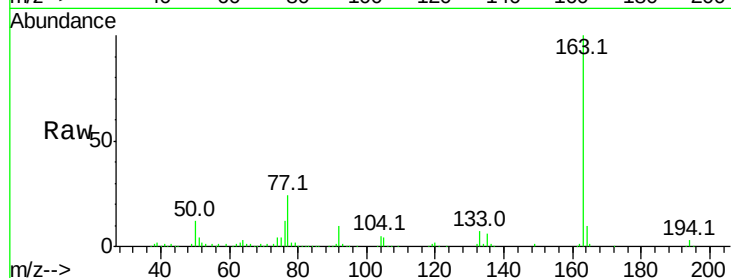
Tot Ion:163 Resp: 167919

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

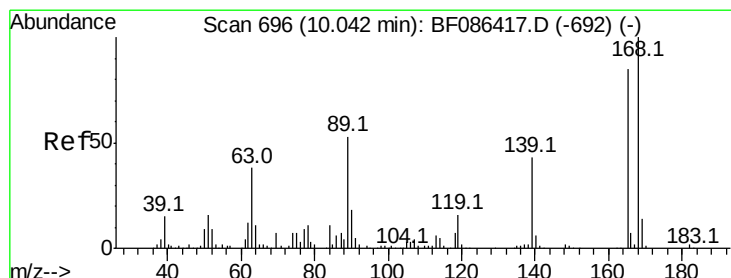
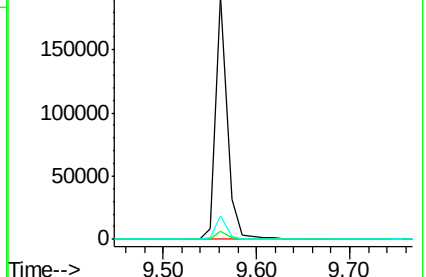
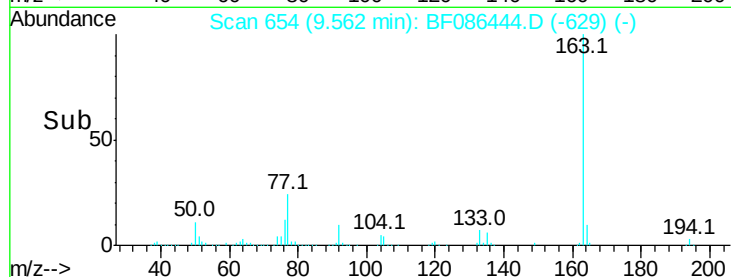
164 9.6 8.2 12.4



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



#56

2,4-Dinitrotoluene

Concen: 6.50 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.19 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Tgt Ion:165 Resp: 49905

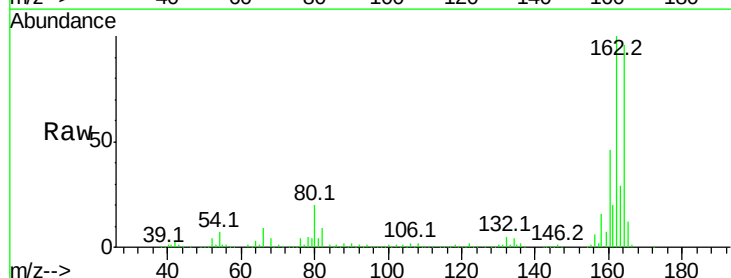
Ion Ratio Lower Upper

165 100

63 1.8 44.3 66.5#

89 2.1 70.0 105.0#

182 0.0 1.8 2.6#

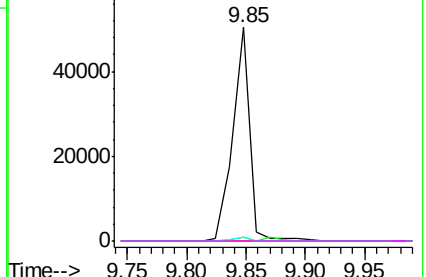
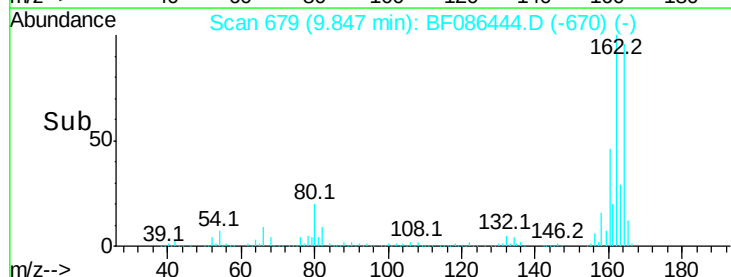


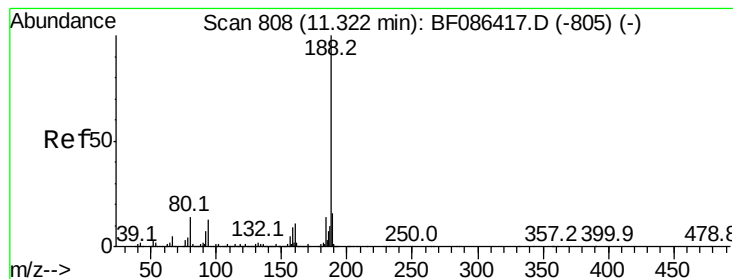
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

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BNA_F

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TEC-COMP-B1A

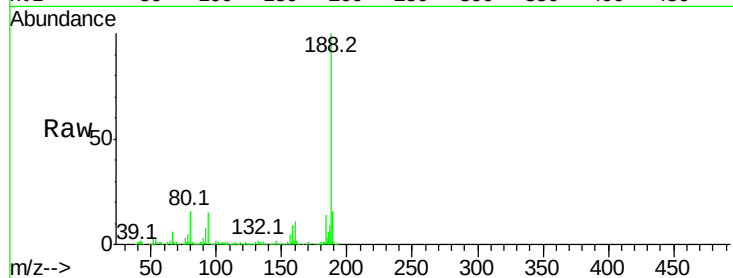
Tot Ion:188 Resp: 548176

Ion Ratio Lower Upper

188 100

94 14.5 6.8 10.2#

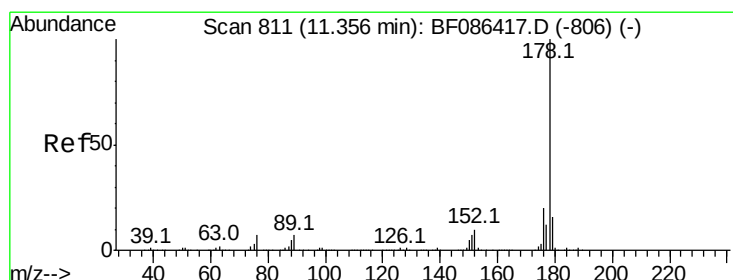
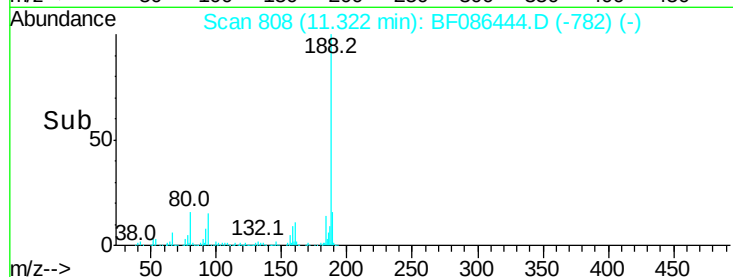
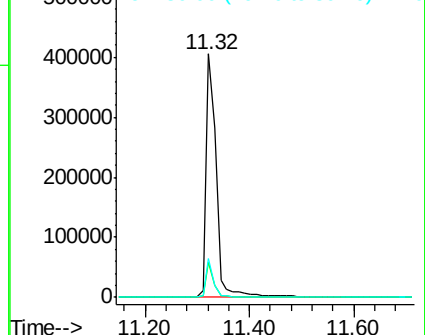
80 15.8 7.1 10.7#



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



#70

Phenanthrene

Concen: 5.10 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

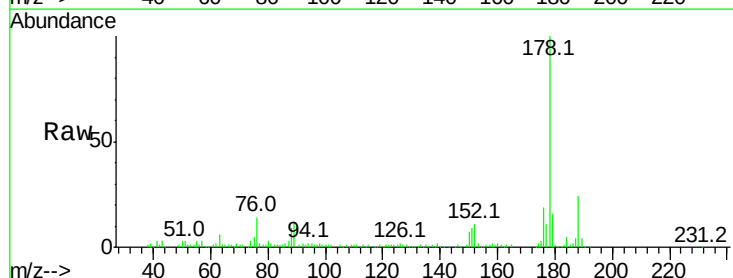
Tgt Ion:178 Resp: 146773

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

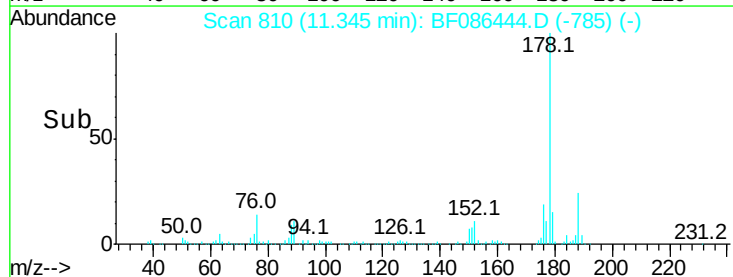
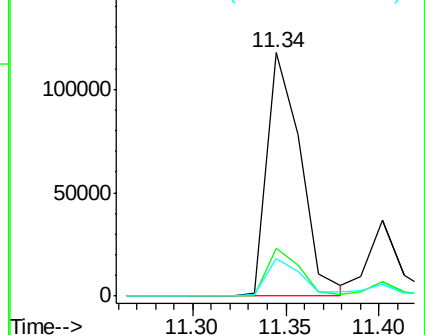
179 15.6 12.6 18.8

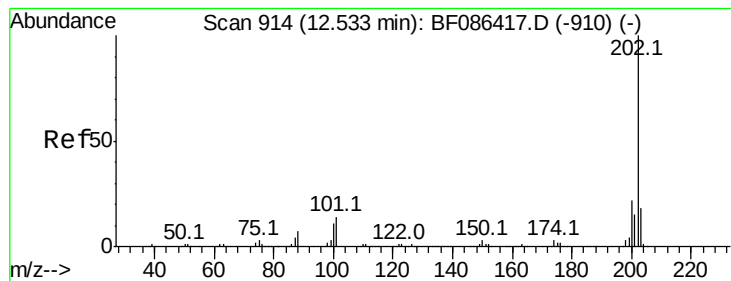


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

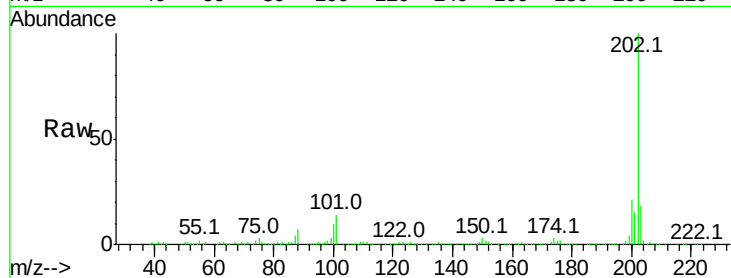




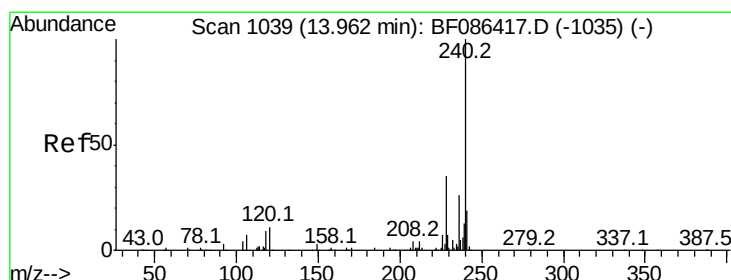
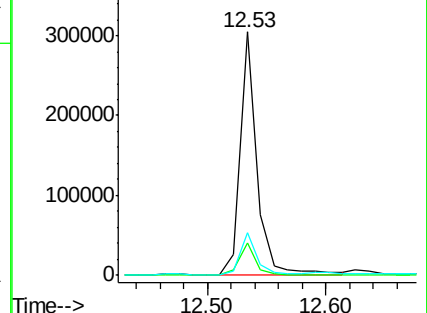
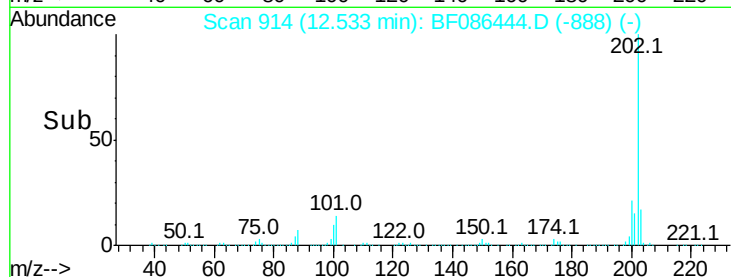
#74
 Fluoranthene
 Concen: 10.36 ng
 RT: 12.53 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BF086444.D
 Acq: 28 Apr 2016 00:55

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1A

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	35.4
203	17.6	0.0	38.1

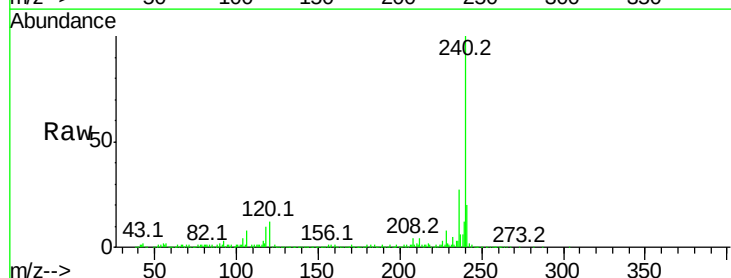


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

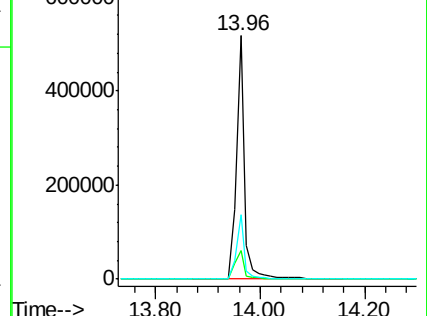
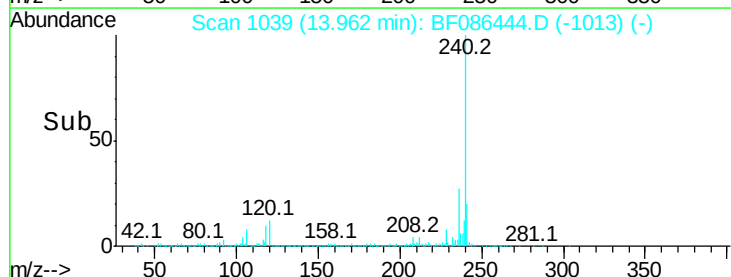


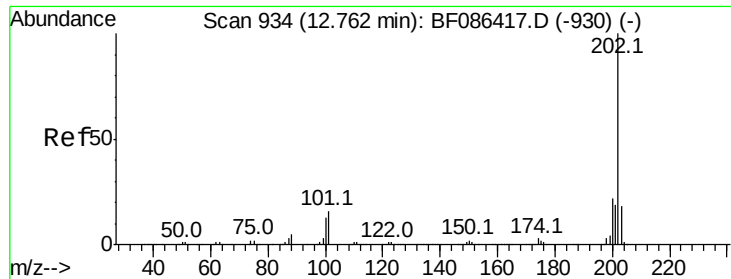
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: BF086444.D
 Acq: 28 Apr 2016 00:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.8	11.2	16.8
236	26.7	21.2	31.8



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: 7.54 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1A

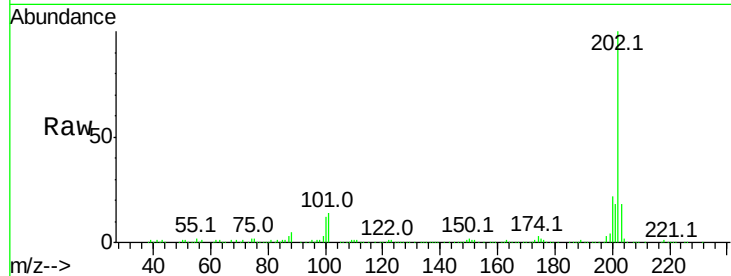
Tot Ion:202 Resp: 304581

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

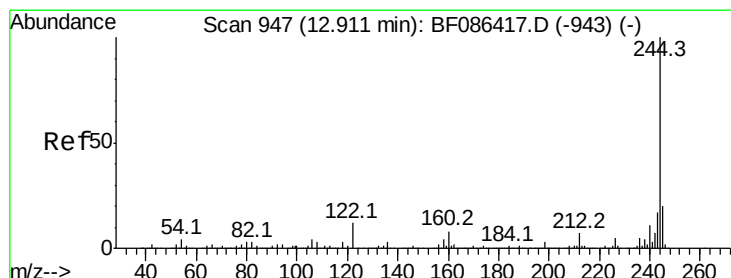
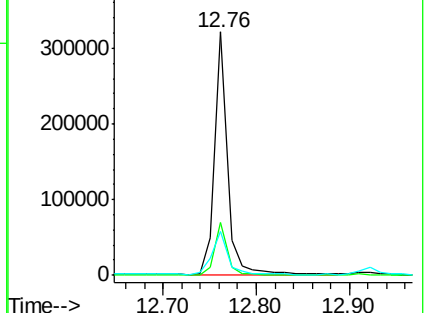
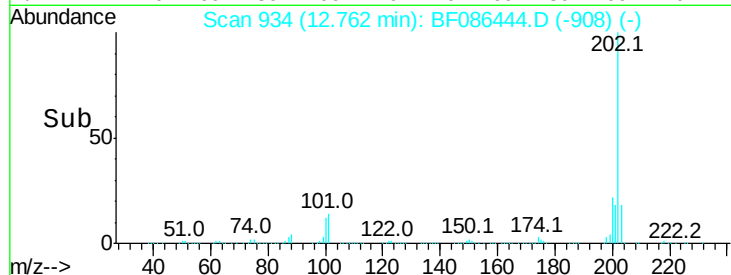
203 18.1 14.2 21.4



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: 26.63 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

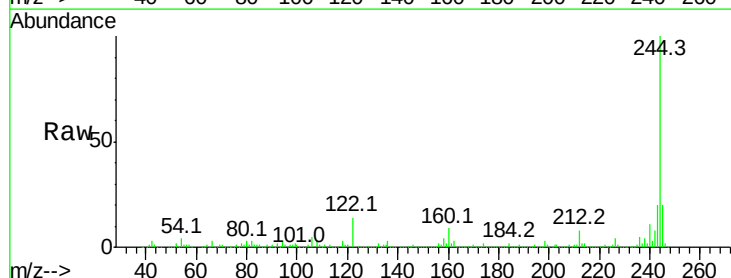
Tgt Ion:244 Resp: 677314

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

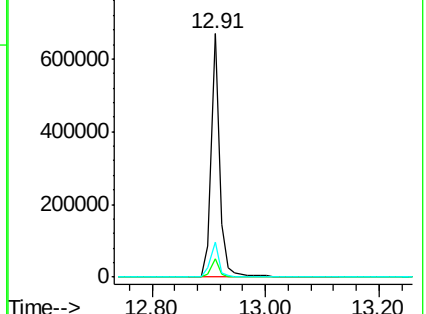
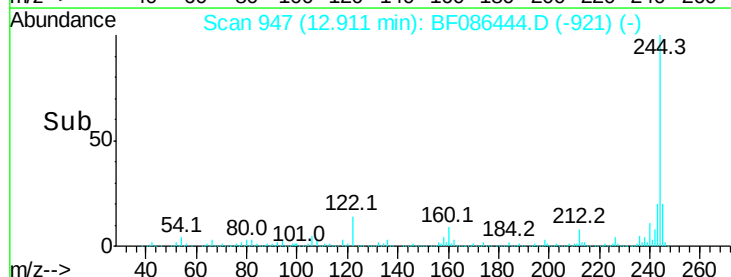
122 14.4 12.0 18.0

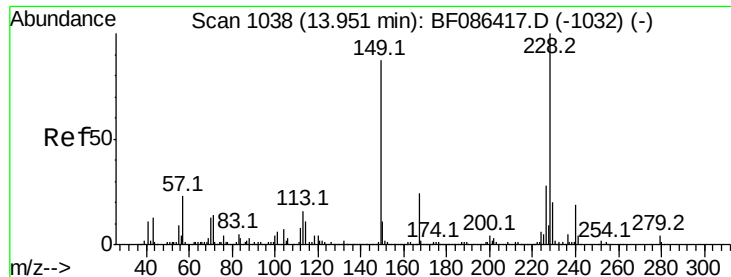


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

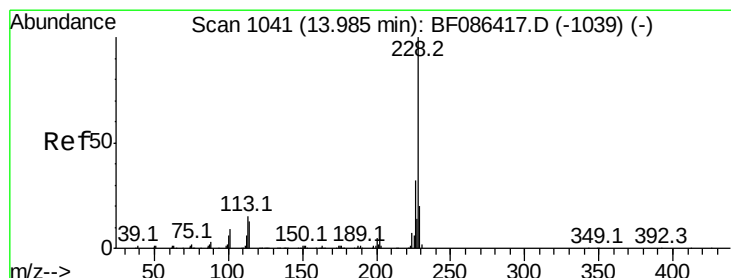
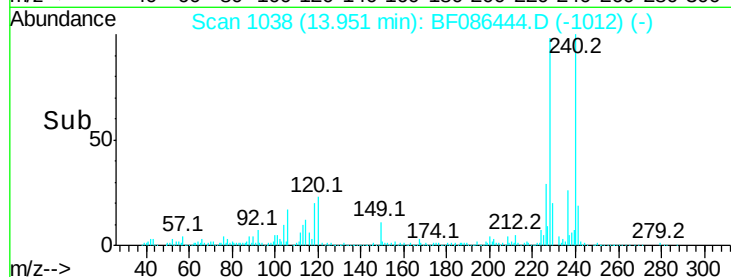
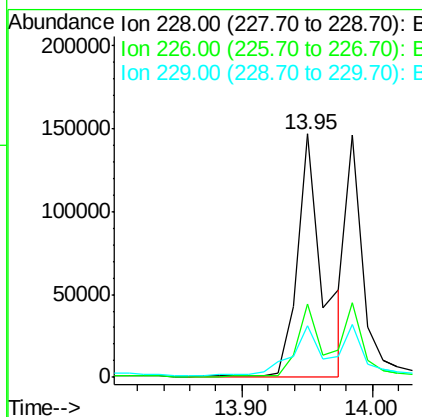
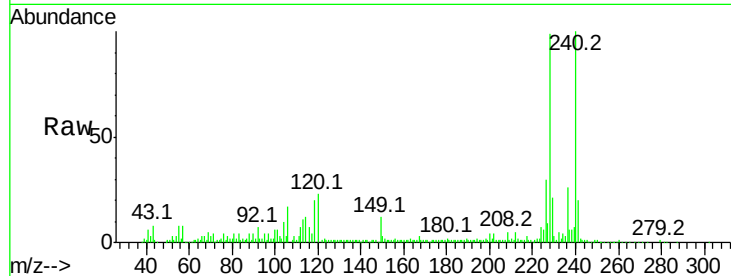




#80
Benzo(a)anthracene
Concen: 6.55 ng
RT: 13.95 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF086444.D
Acq: 28 Apr 2016 00:55

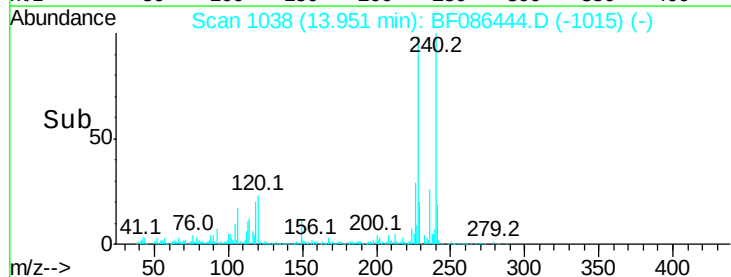
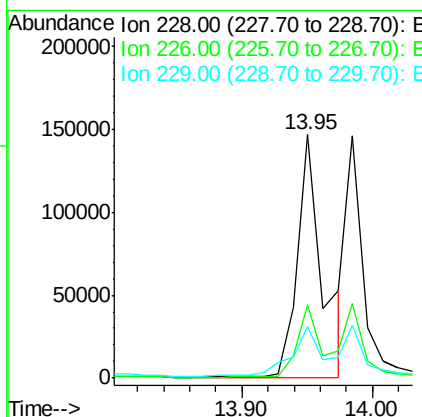
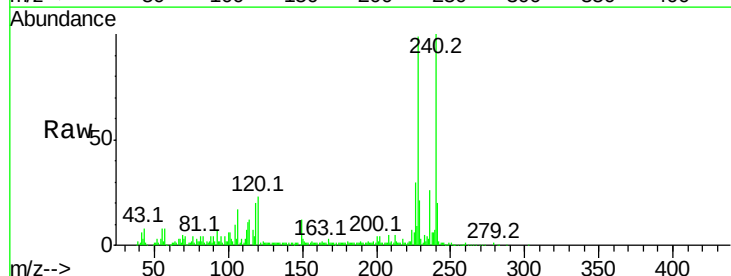
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1A

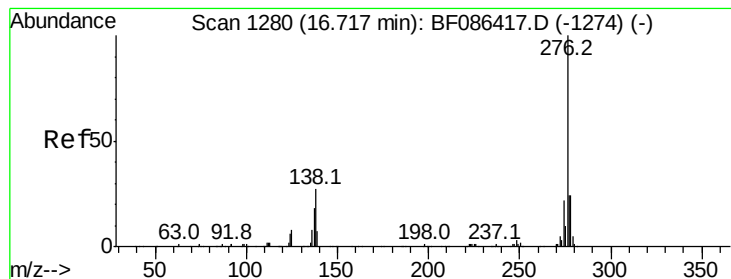
Tot Ion:228 Resp: 195733
Ion Ratio Lower Upper
228 100
226 30.3 22.5 33.7
229 21.3 16.6 25.0



#82
Chrysene
Concen: 6.03 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.03 min
Lab File: BF086444.D
Acq: 28 Apr 2016 00:55

Tgt Ion:228 Resp: 195733
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 21.3 15.8 23.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.46 ng

RT: 16.73 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1A

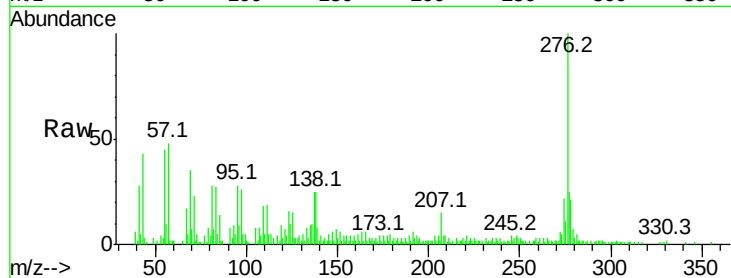
Tot Ion:276 Resp: 59270

Ion Ratio Lower Upper

276 100

138 25.3 25.6 38.4#

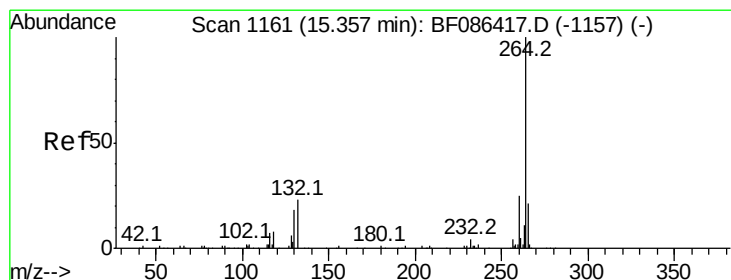
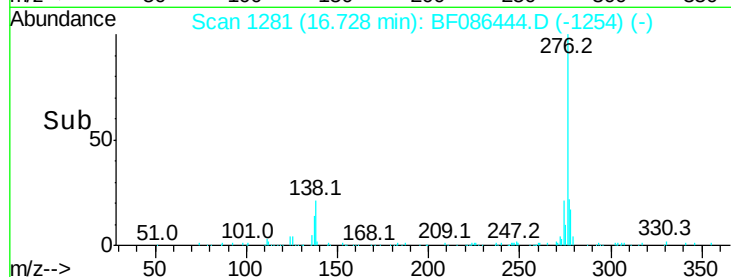
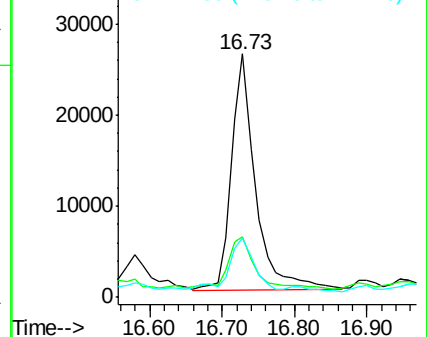
277 22.9 20.5 30.7



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: 15.37 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

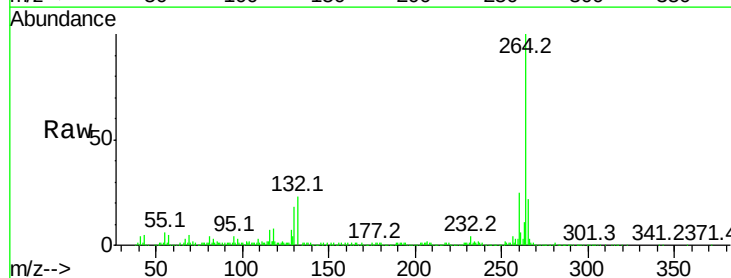
Tgt Ion:264 Resp: 401819

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

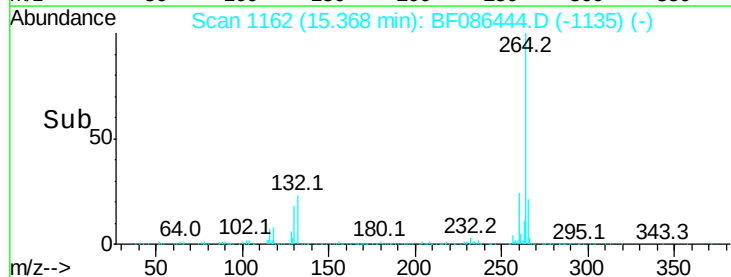
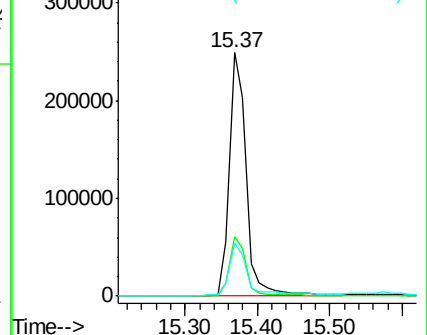
265 21.6 17.3 25.9

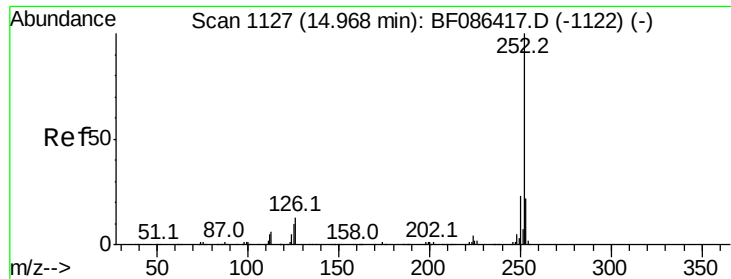


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

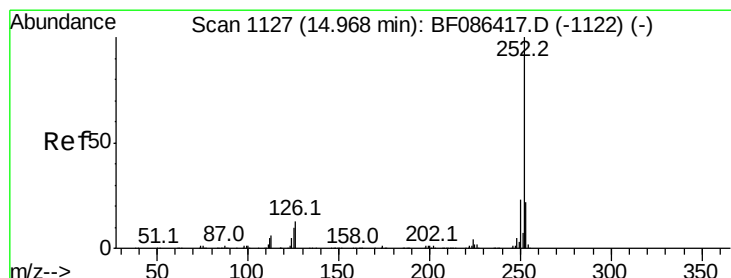
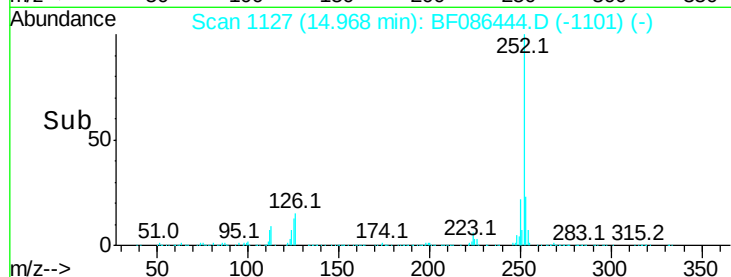
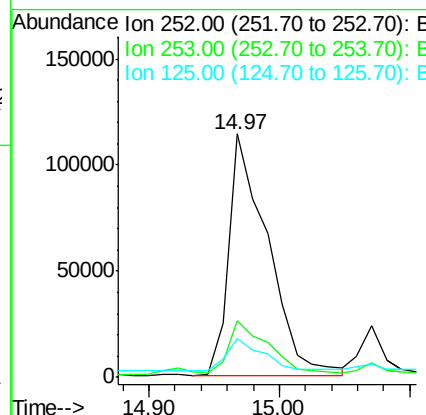
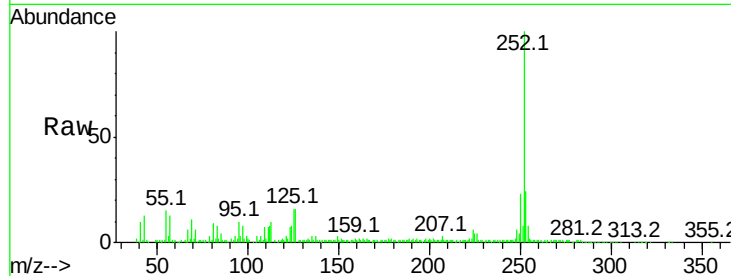




#87
Benzo(b)fluoranthene
Concen: 9.99 ng
RT: 14.97 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BF086444.D
Acq: 28 Apr 2016 00:55

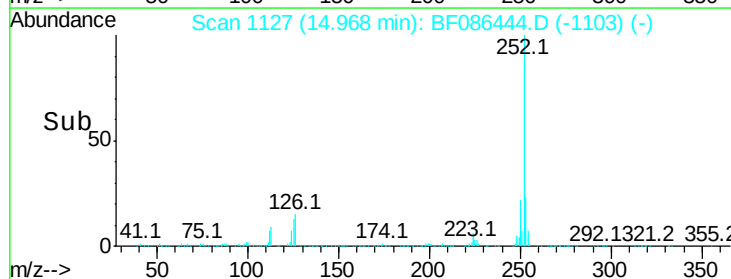
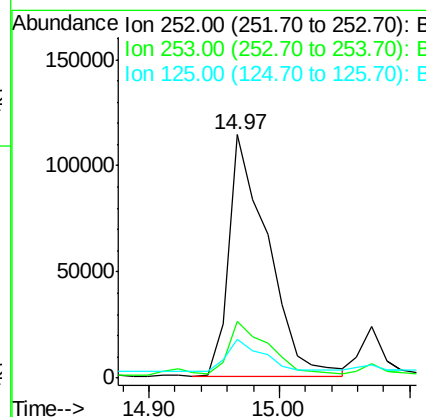
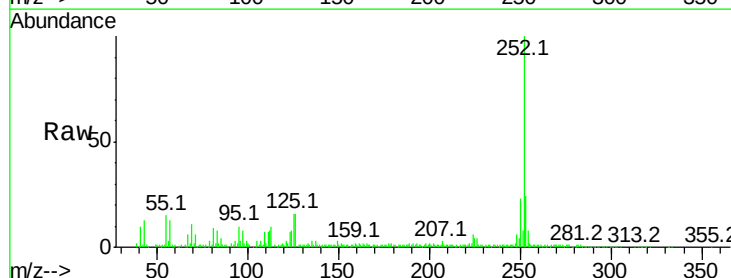
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1A

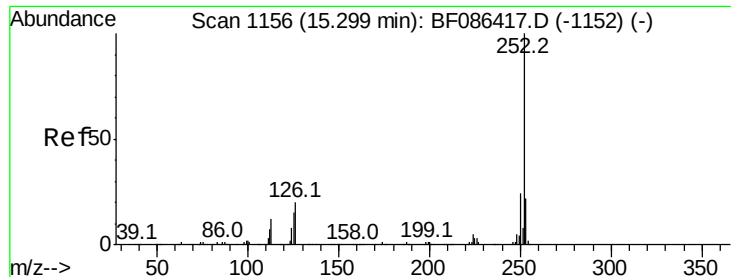
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	15.8	11.4	17.0



#88
Benzo(k)fluoranthene
Concen: 9.58 ng
RT: 14.97 min Scan# 1127
Delta R.T. -0.02 min
Lab File: BF086444.D
Acq: 28 Apr 2016 00:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	15.8	9.1	13.7#





#89

Benzo(a)pyrene

Concen: 5.17 ng

RT: 15.31 min Scan# 1157

Delta R.T. 0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1A

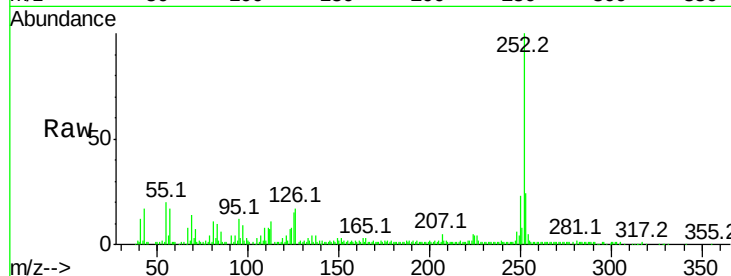
Tot Ion:252 Resp: 115301

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

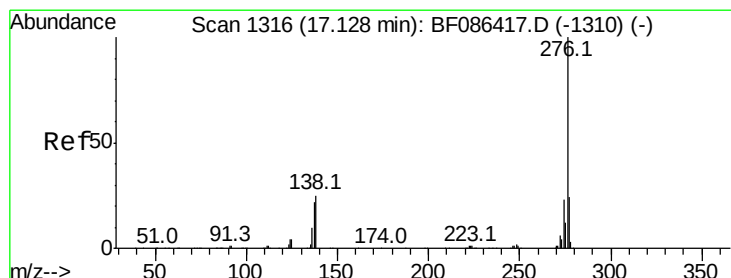
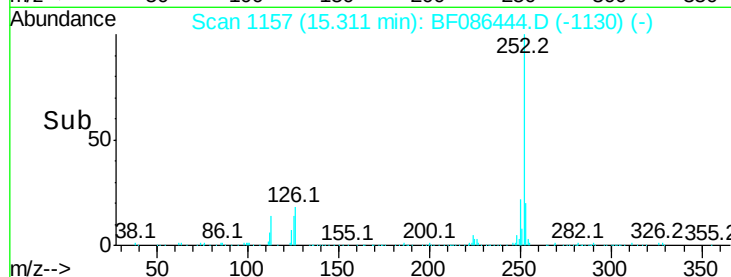
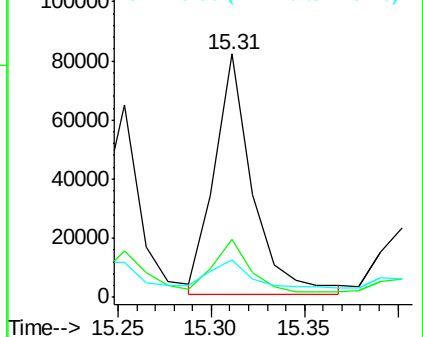
125 15.4 9.0 13.6#



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: 3.05 ng

RT: 17.14 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

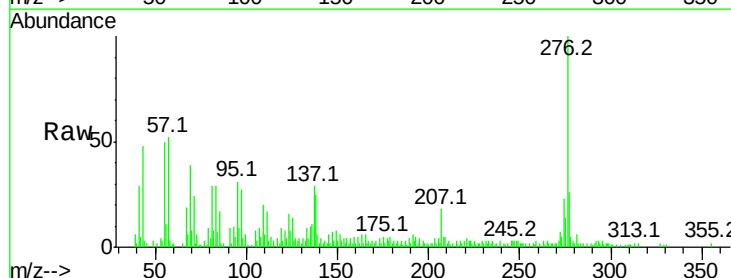
Tgt Ion:276 Resp: 55805

Ion Ratio Lower Upper

276 100

277 25.9 19.6 29.4

138 25.4 23.6 35.4



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

