

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086443.D
 Acq On : 28 Apr 2016 00:26
 Operator : UM/SJ
 Sample : H2713-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-B6B9B11B15B10-C

Quant Time: Apr 28 02:15:51 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	130629	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	471595	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	174340	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	278842	20.00	ng	0.00
75) Chrysene-d12	13.96	240	306291	20.00	ng	0.00
86) Perylene-d12	15.37	264	239360	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	806270	106.46	ng	0.01
7) Phenol-d6	6.44	99	955654	90.41	ng	0.00
23) Nitrobenzene-d5	7.37	82	586100	66.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	164318	89.37	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	957678	99.64	ng	0.00
78) Terphenyl-d14	12.91	244	682203	49.07	ng	0.00

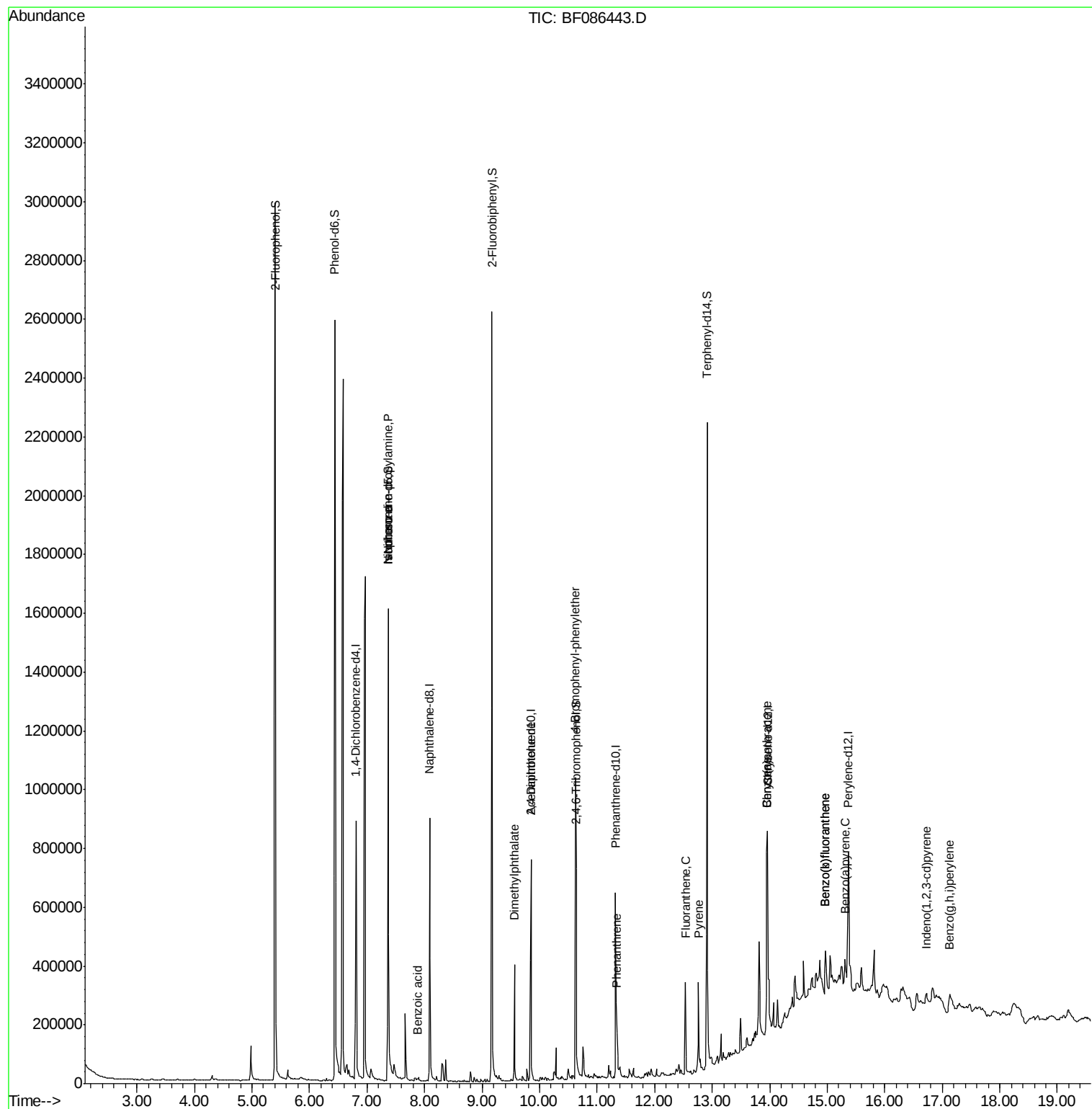
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	76471	10.95	ng	# 72
25) Isophorone	7.37	82	518942	30.82	ng	# 68
32) Benzoic acid	7.87	122	223	8.82	ng	# 57
49) Dimethylphthalate	9.56	163	138363	10.54	ng	100
56) 2,4-Dinitrotoluene	9.85	165	21437	6.20	ng	# 16
66) 4-Bromophenyl-phenylether	10.62	248	9208	3.20	ng	# 1
70) Phenanthrene	11.34	178	50145	3.43	ng	97
74) Fluoranthene	12.53	202	132056	8.94	ng	96
77) Pyrene	12.76	202	130142	5.90	ng	98
80) Benzo(a)anthracene	13.95	228	94089	5.76	ng	95
82) Chrysene	13.95	228	94089	5.30	ng	96
85) Indeno(1,2,3-cd)pyrene	16.73	276	31195	2.37	ng	# 88
87) Benzo(b)fluoranthene	14.97	252	128172	9.10	ng	97
88) Benzo(k)fluoranthene	14.97	252	128172	8.73	ng	# 94
89) Benzo(a)pyrene	15.31	252	56161	4.22	ng	# 87
91) Benzo(g,h,i)perylene	17.13	276	29869	2.74	ng	98

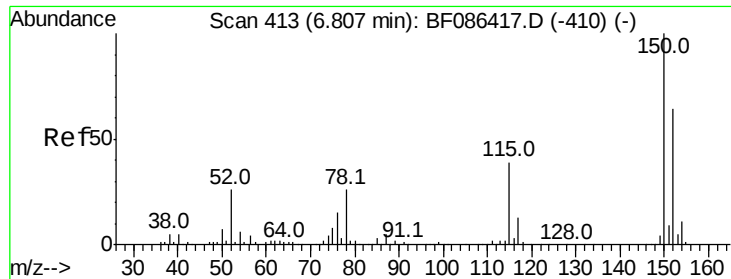
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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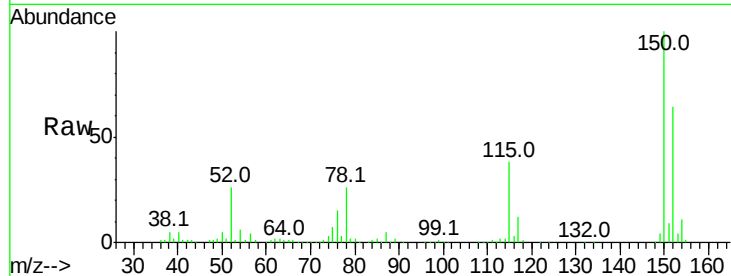


#1

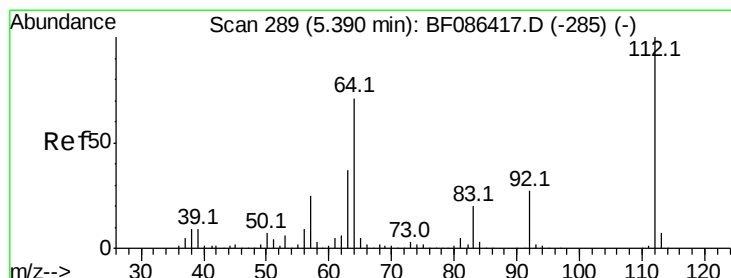
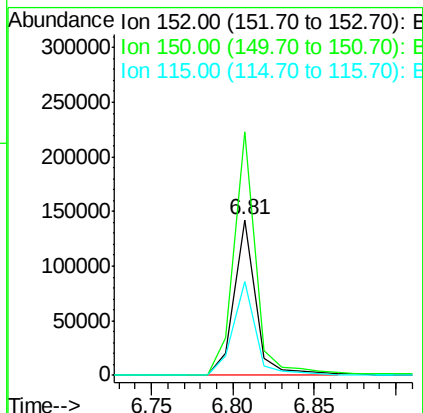
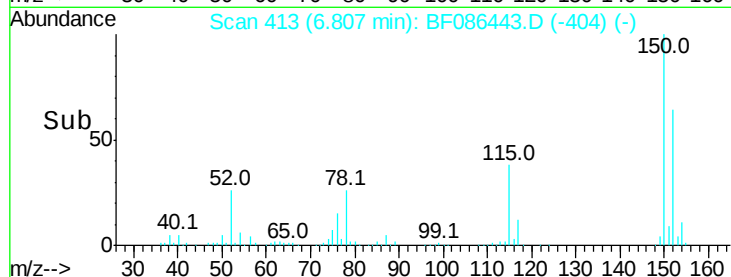
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

Instrument :
BNA_F
ClientSampleId :
EUT01-B6B9B11B15B10-C

Tot Ion:152 Resp: 130629
Ion Ratio Lower Upper
152 100
150 156.2 125.8 188.6
115 60.0 51.5 77.3



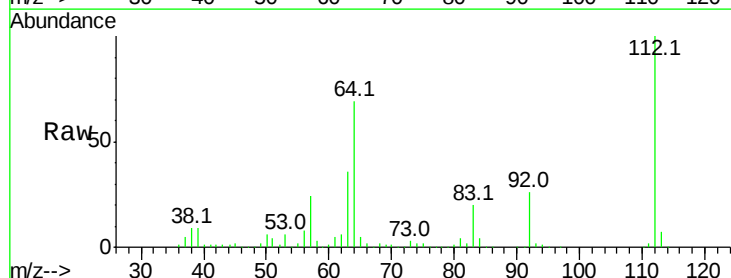
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



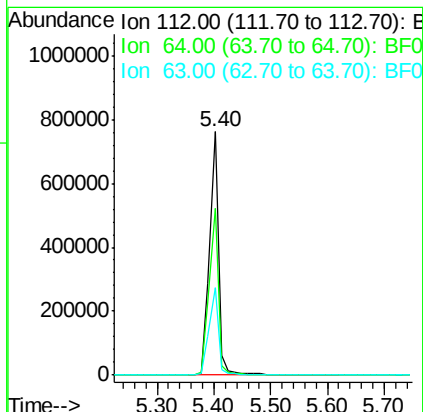
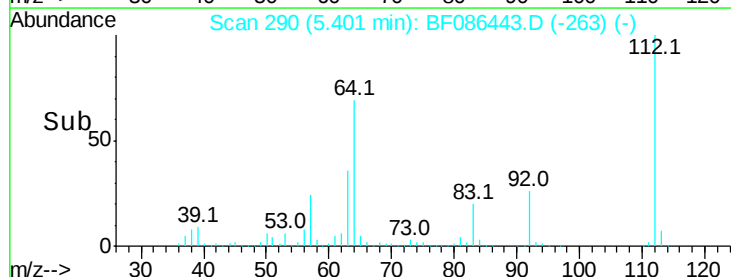
#5

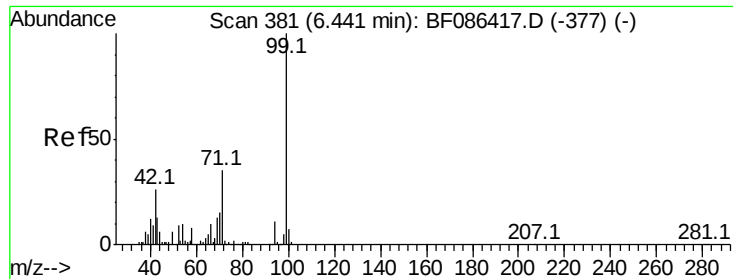
2-Fluorophenol
Concen: 106.46 ng
RT: 5.40 min Scan# 290
Delta R.T. 0.01 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

Tgt Ion:112 Resp: 806270
Ion Ratio Lower Upper
112 100
64 68.7 52.1 78.1
63 36.0 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: 90.41 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

Instrument :

BNA_F

ClientSampleId :

EUT01-B6B9B11B15B10-C

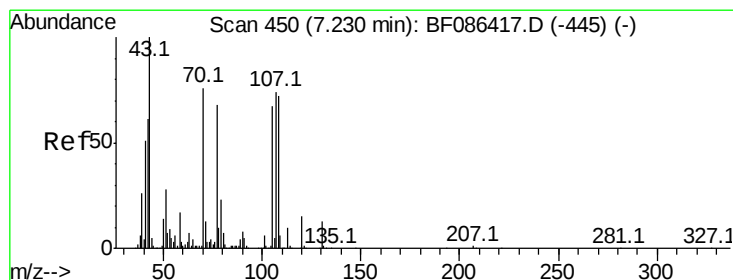
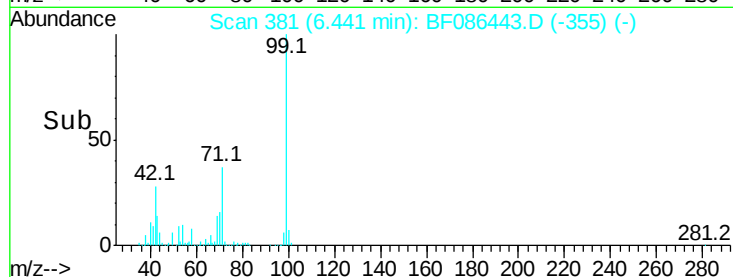
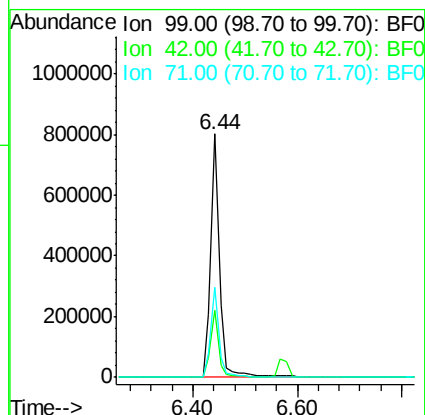
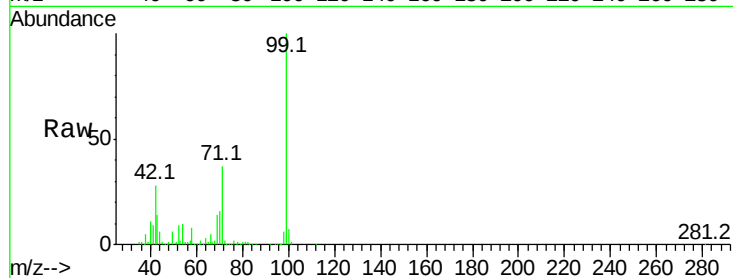
Tot Ion: 99 Resp: 955654

Ion Ratio Lower Upper

99 100

42 27.8 13.6 20.4#

71 36.8 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 10.95 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.14 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

Tgt Ion: 70 Resp: 76471

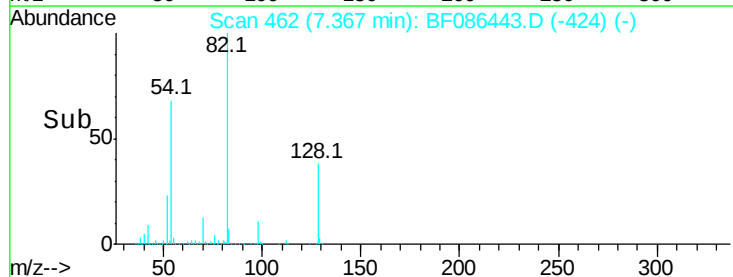
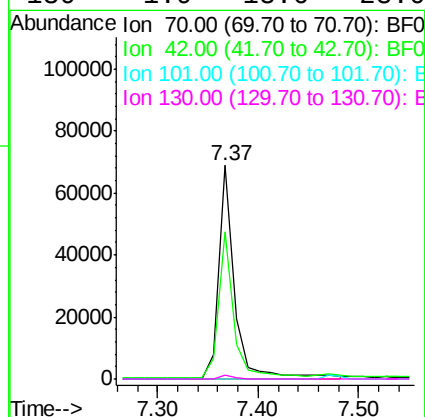
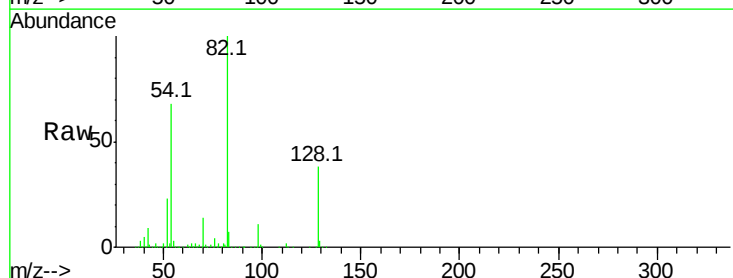
Ion Ratio Lower Upper

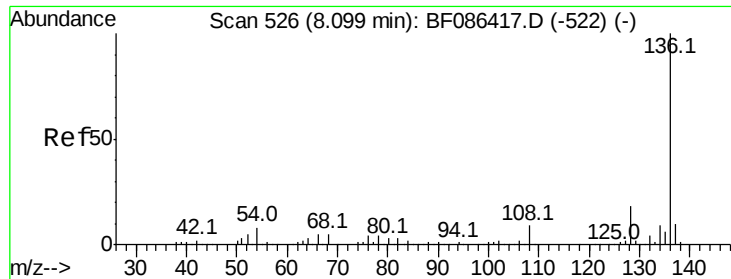
70 100

42 68.8 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

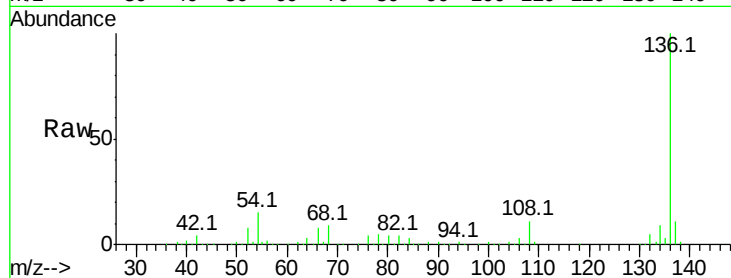




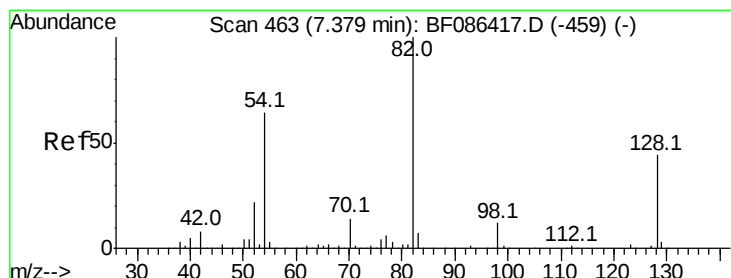
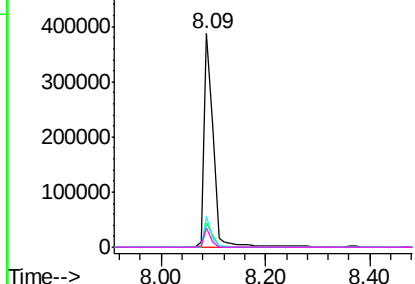
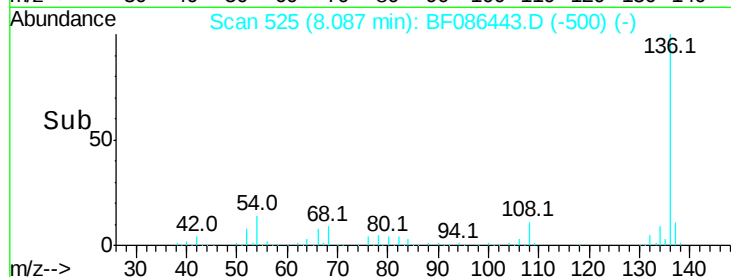
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.01 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

Instrument :
BNA_F
ClientSampleId :
EUT01-B6B9B11B15B10-C

Tot Ion:	136	Resp:	471595
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	14.7	5.0	7.4#
68	8.8	4.4	6.6#

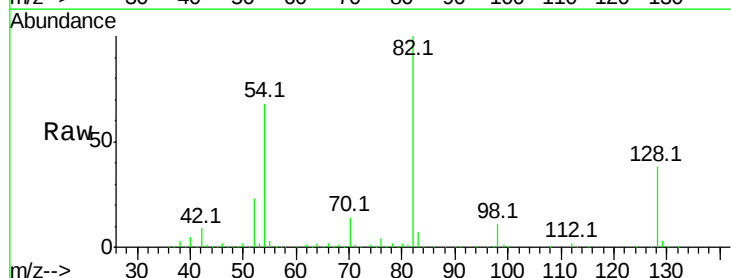


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

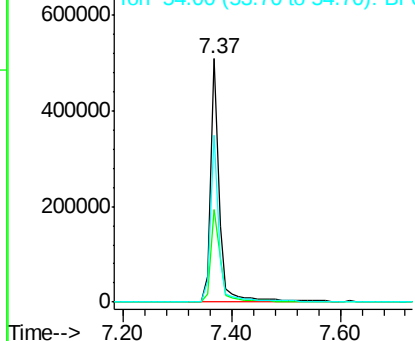
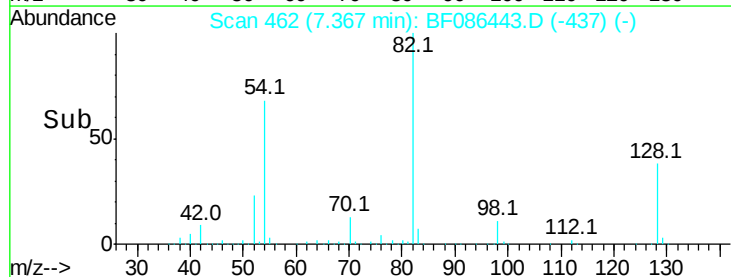


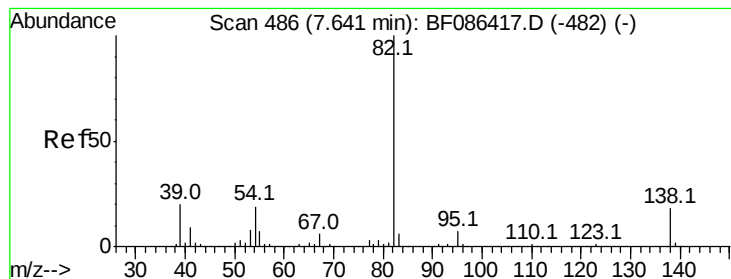
#23
Nitrobenzene-d5
Concen: 66.99 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

Tgt Ion:	82	Resp:	586100
Ion	Ratio	Lower	Upper
82	100		
128	37.8	40.6	61.0#
54	68.5	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: 30.82 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.27 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

Instrument :

BNA_F

ClientSampleId :

EUT01-B6B9B11B15B10-C

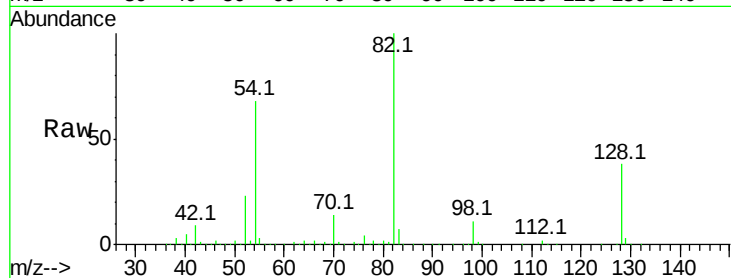
Tot Ion: 82 Resp: 518942

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#

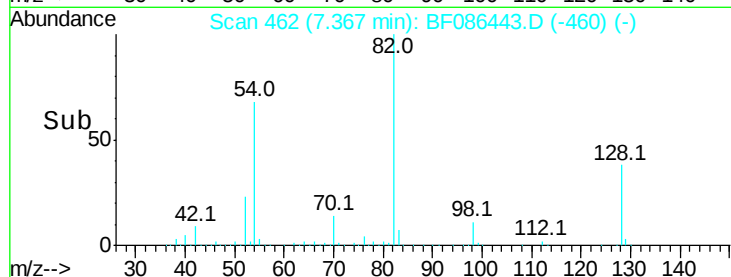


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

Time-->



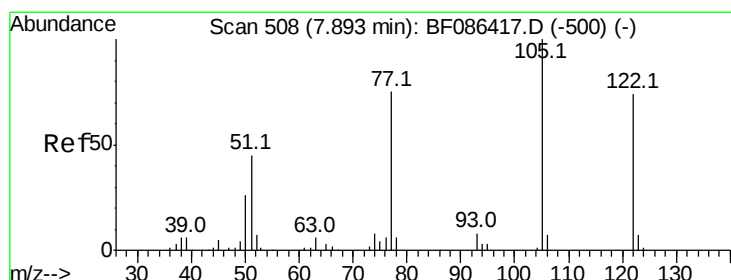
Abundance

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

Time-->



#32

Benzoic acid

Concen: 8.82 ng

RT: 7.87 min Scan# 506

Delta R.T. -0.02 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

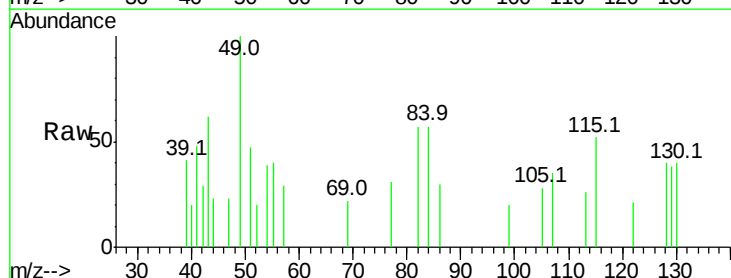
Tgt Ion:122 Resp: 223

Ion Ratio Lower Upper

122 100

105 132.3 92.6 132.6

77 148.6 60.0 100.0#

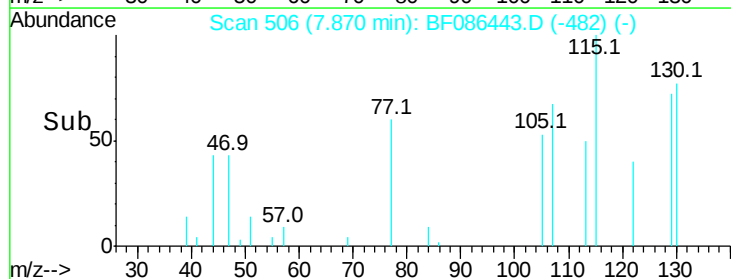


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

Time-->



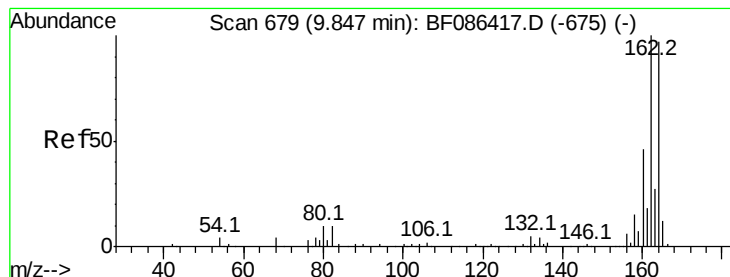
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

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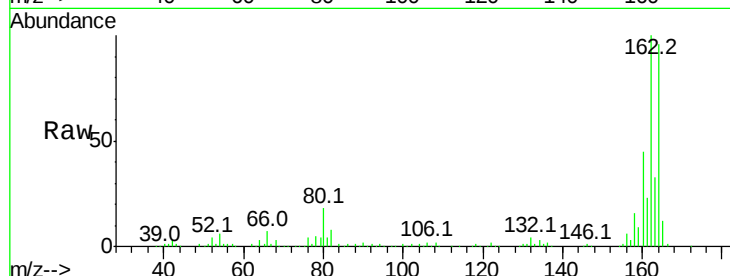
Tot Ion:164 Resp: 174340

Ion Ratio Lower Upper

164 100

162 103.7 82.8 124.2

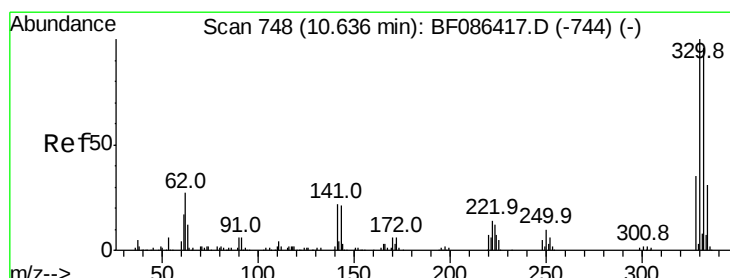
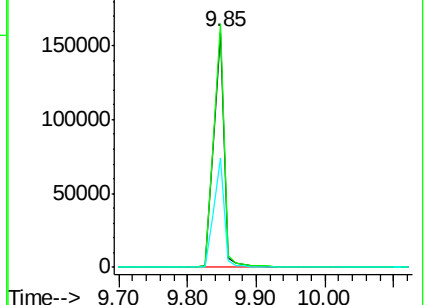
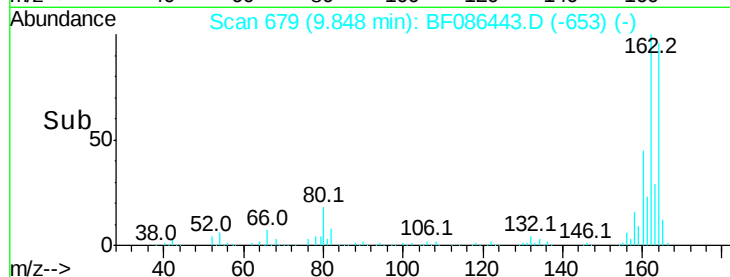
160 46.7 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 89.37 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

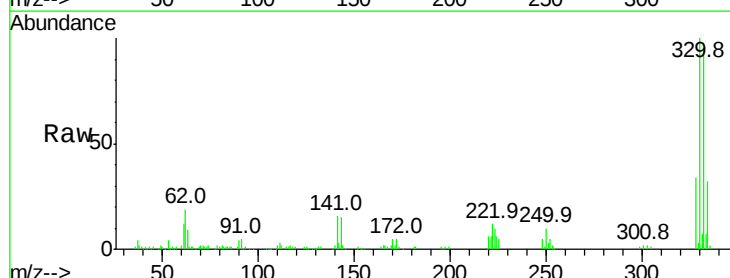
Tgt Ion:330 Resp: 164318

Ion Ratio Lower Upper

330 100

332 95.7 79.0 118.4

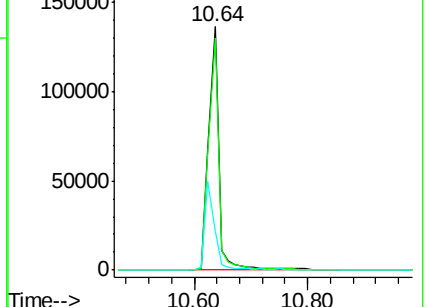
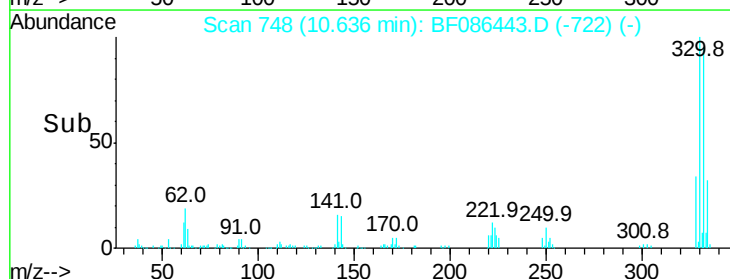
141 34.6 31.2 46.8

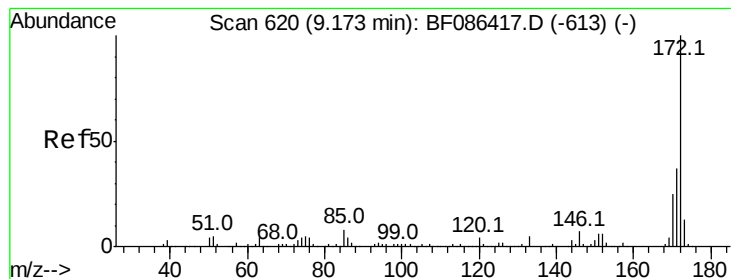


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 99.64 ng

RT: 9.17 min Scan# 620

Delta R.T. 0.00 min

Lab File: BF086443.D

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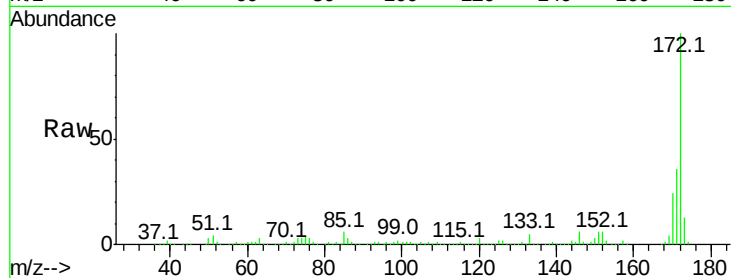
Tot Ion:172 Resp: 957678

Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.6

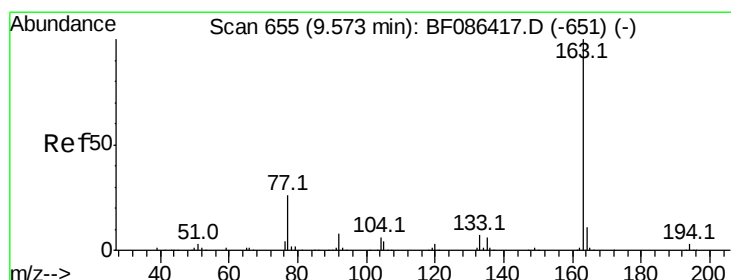
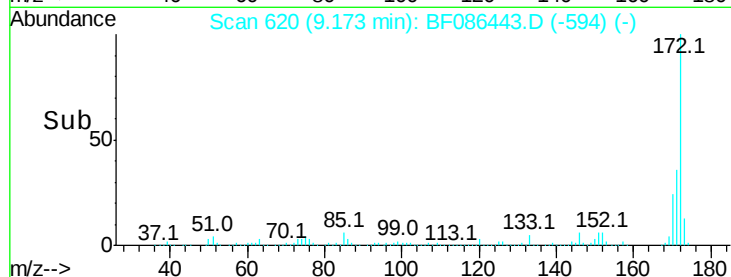
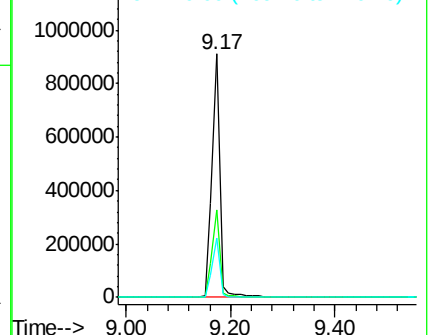
170 24.2 19.8 29.8



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: 10.54 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.01 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

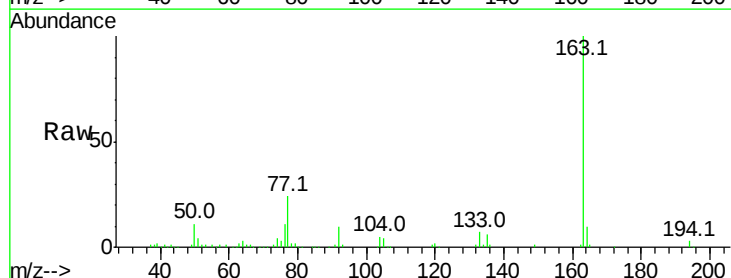
Tgt Ion:163 Resp: 138363

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

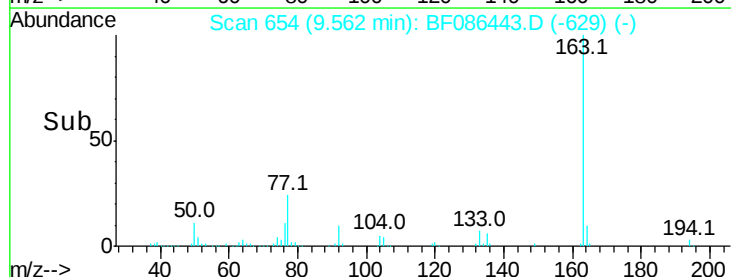
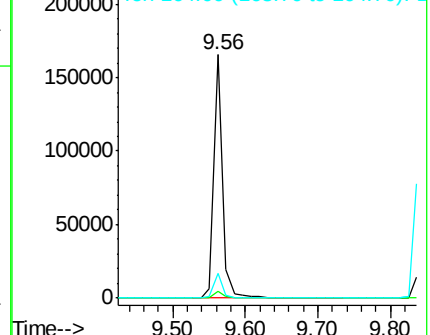
164 10.2 8.2 12.4

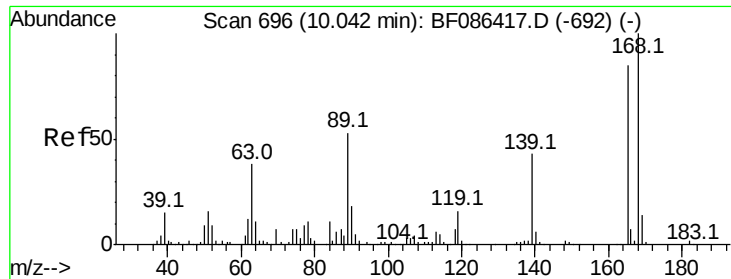


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

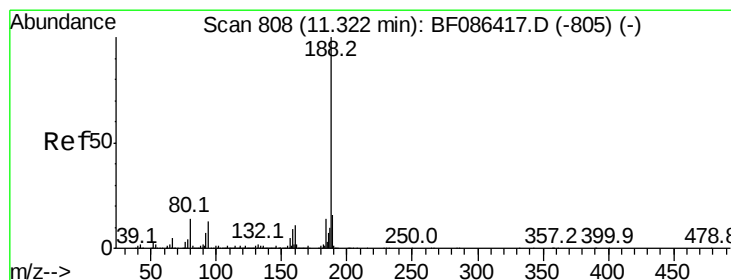
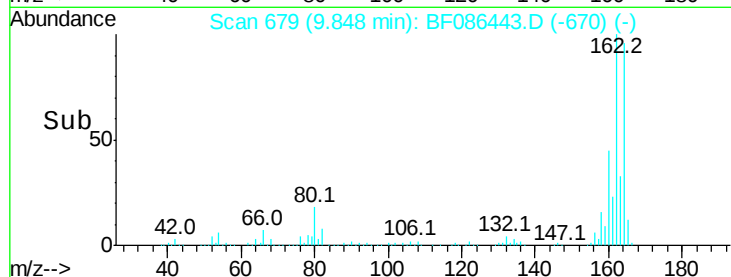
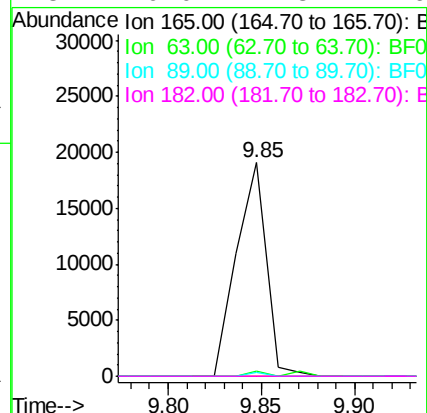
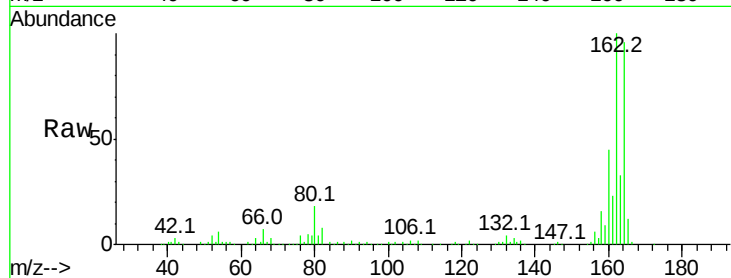




#56
2,4-Dinitrotoluene
Concen: 6.20 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.19 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

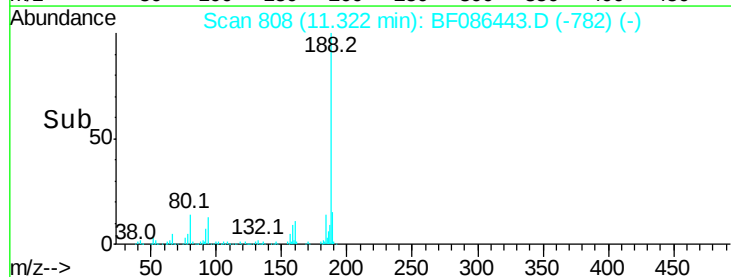
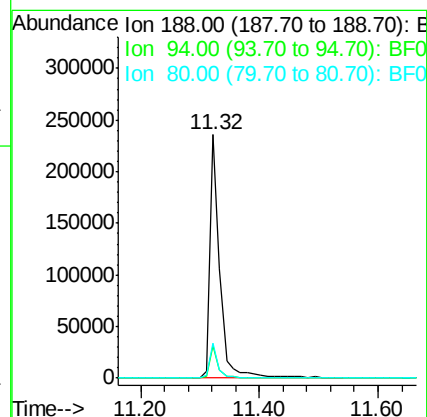
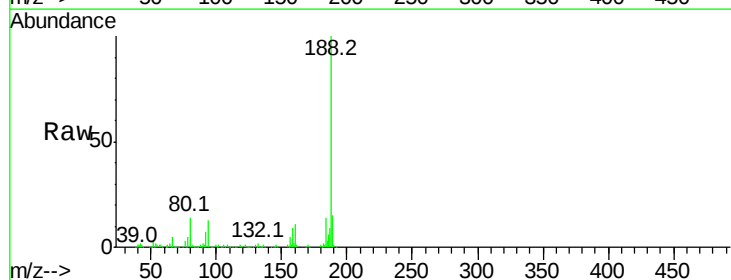
Instrument :
BNA_F
ClientSampleId :
EUT01-B6B9B11B15B10-C

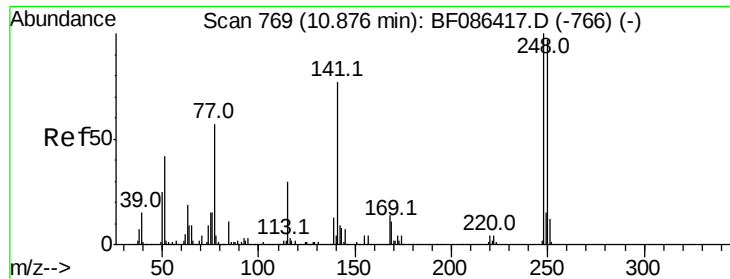
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.5	44.3	66.5#
89	1.9	70.0	105.0#
182	0.0	1.8	2.6#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.1	6.8	10.2#
80	14.4	7.1	10.7#

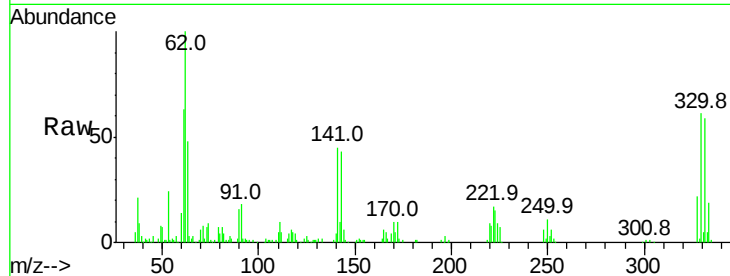




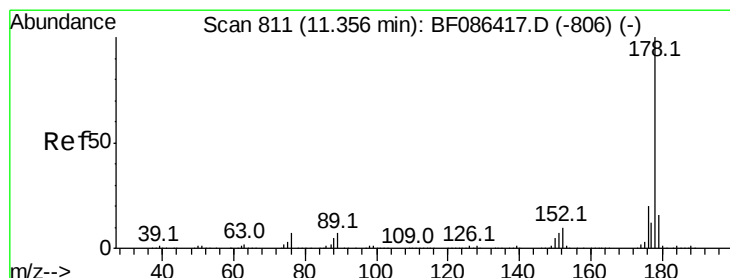
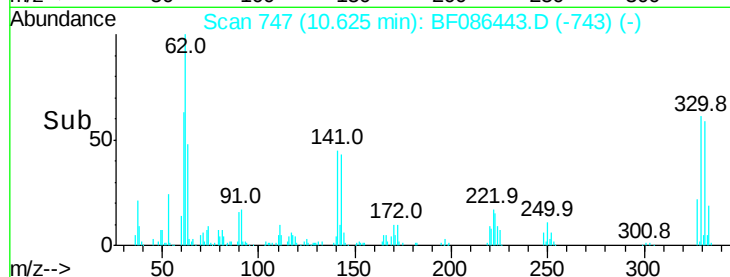
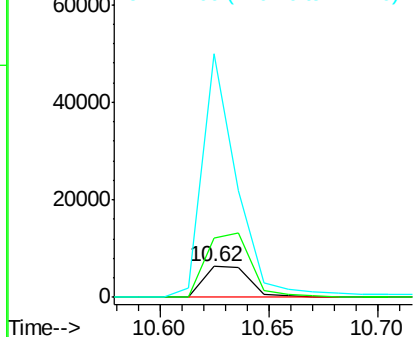
#66
4-Bromophenyl-phenylether
Concen: 3.20 ng
RT: 10.62 min Scan# 747
Delta R.T. -0.25 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

Instrument :
BNA_F
ClientSampleId :
EUT01-B6B9B11B15B10-C

Tot Ion:248 Resp: 9208
Ion Ratio Lower Upper
248 100
250 193.7 78.6 117.8#
141 794.4 76.0 114.0#

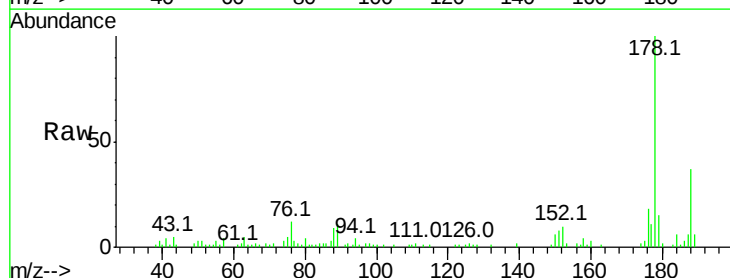


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

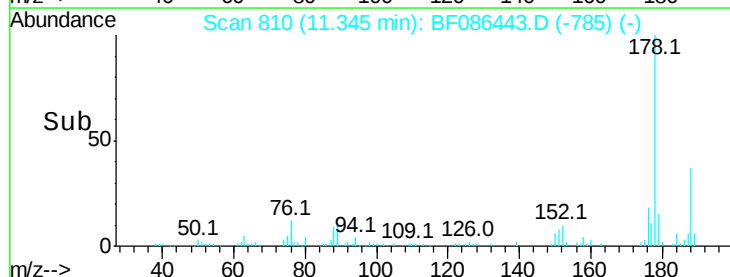
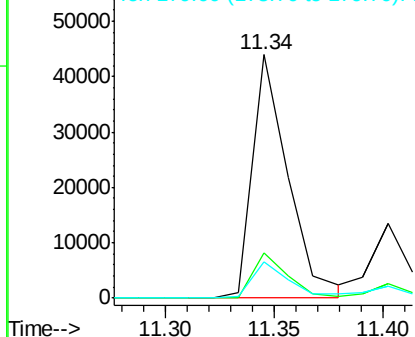


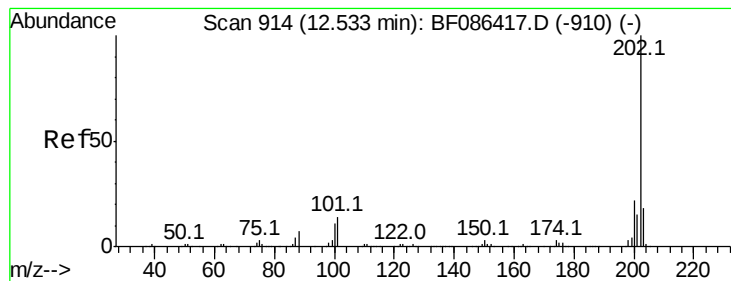
#70
Phenanthrene
Concen: 3.43 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

Tgt Ion:178 Resp: 50145
Ion Ratio Lower Upper
178 100
176 18.3 16.0 24.0
179 14.9 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

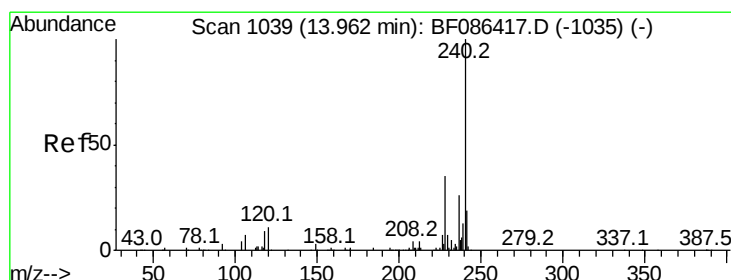
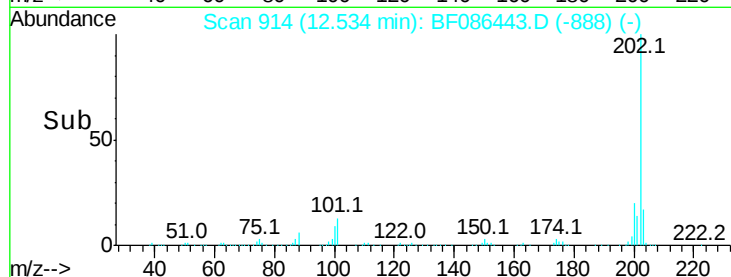
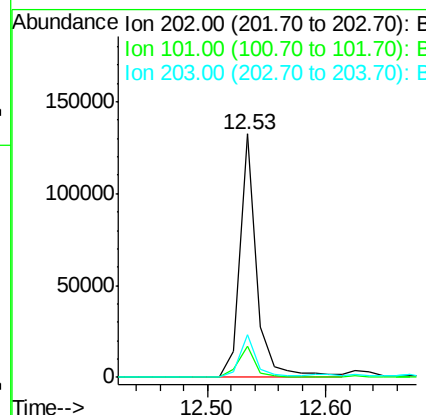
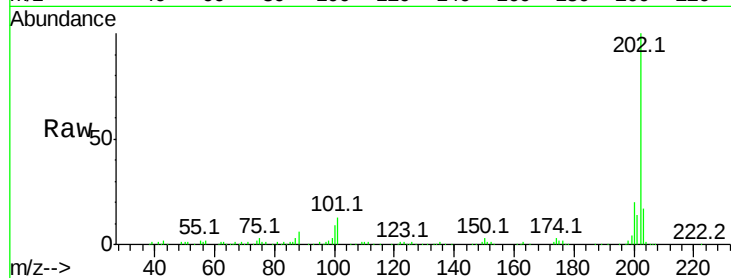




#74
Fluoranthene
 Concen: 8.94 ng
 RT: 12.53 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BF086443.D
 Acq: 28 Apr 2016 00:26

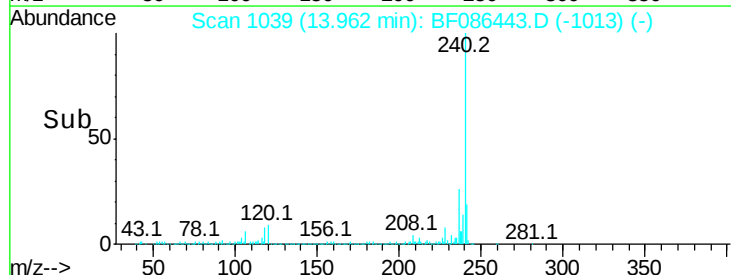
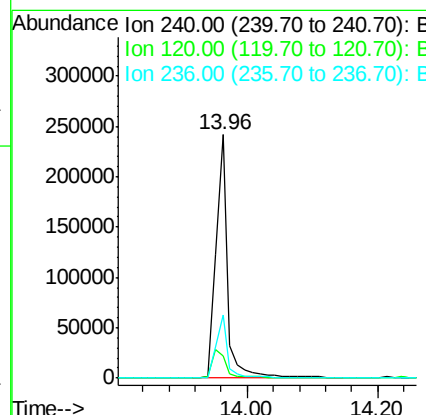
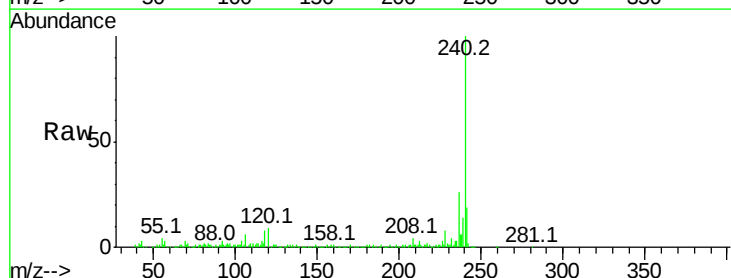
Instrument :
 BNA_F
 ClientSampleId :
 EUT01-B6B9B11B15B10-C

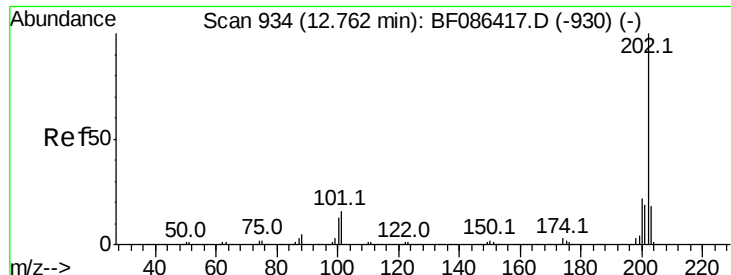
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	35.4
203	17.5	0.0	38.1



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: BF086443.D
 Acq: 28 Apr 2016 00:26

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.2	11.2	16.8#
236	26.0	21.2	31.8





#77

Pvrene

Concen: 5.90 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

Instrument :

BNA_F

ClientSampleId :

EUT01-B6B9B11B15B10-C

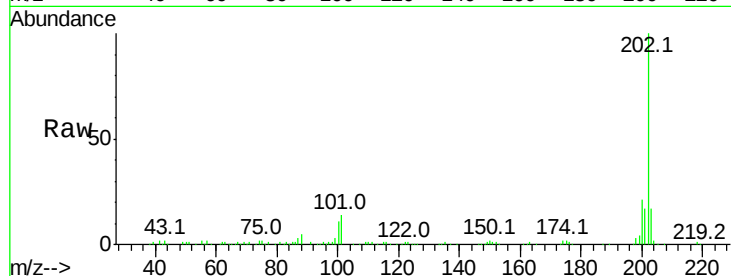
Tot Ion:202 Resp: 130142

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

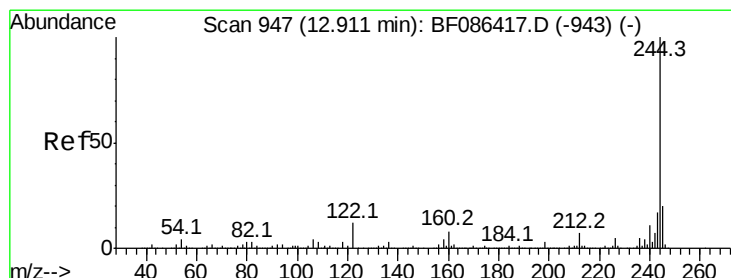
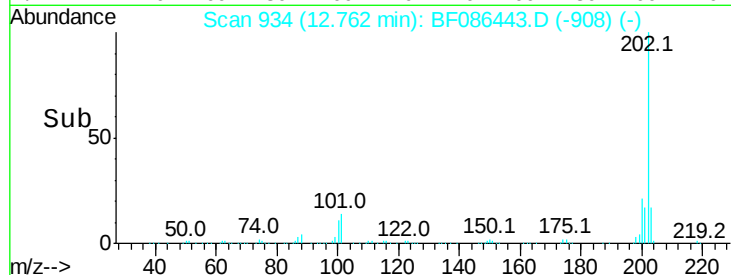
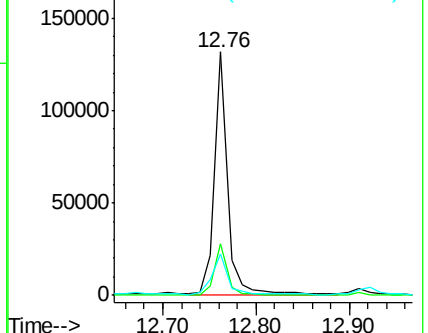
203 17.0 14.2 21.4



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: 49.07 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

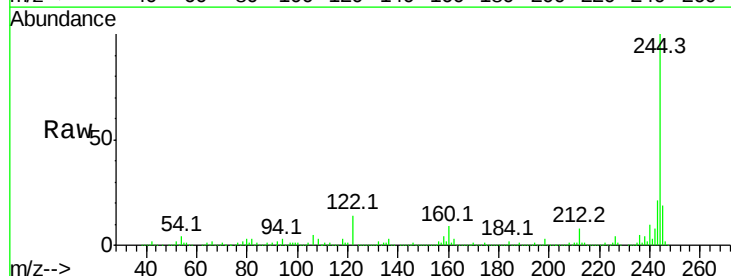
Tgt Ion:244 Resp: 682203

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

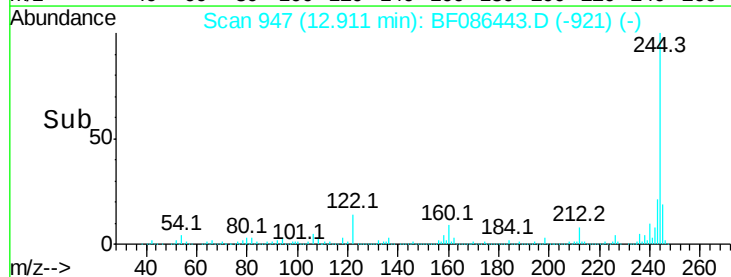
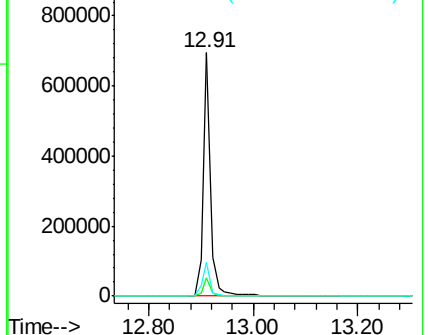
122 13.9 12.0 18.0

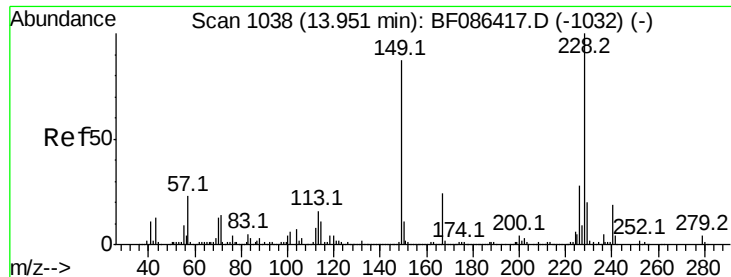


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

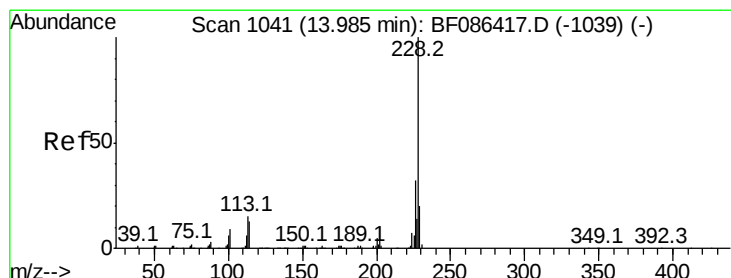
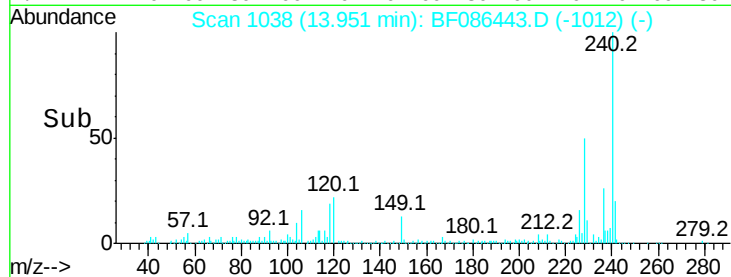
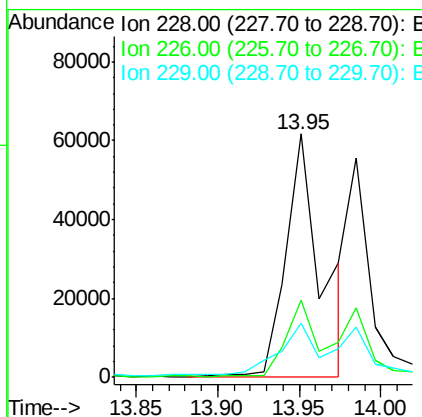
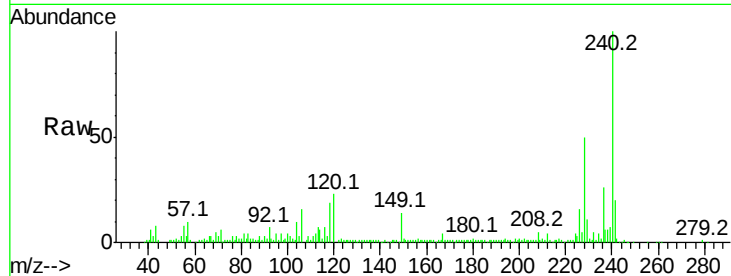




#80
Benzo(a)anthracene
Concen: 5.76 ng
RT: 13.95 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

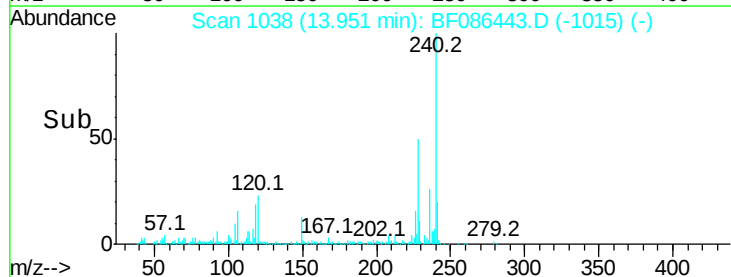
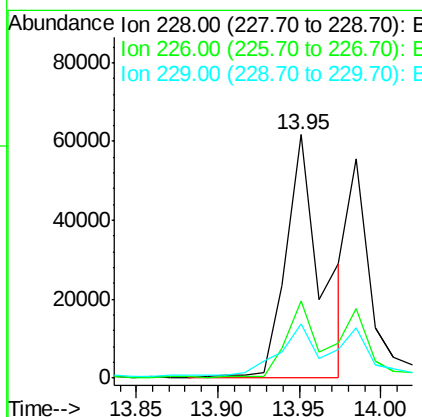
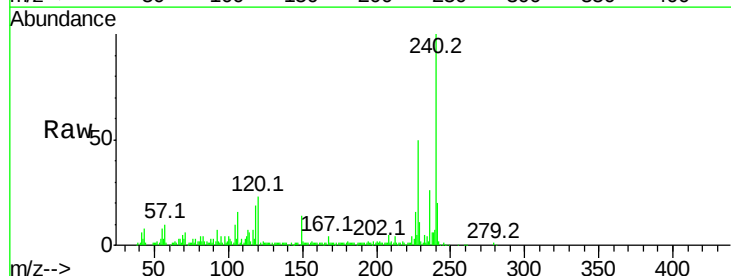
Instrument :
BNA_F
ClientSampleId :
EUT01-B6B9B11B15B10-C

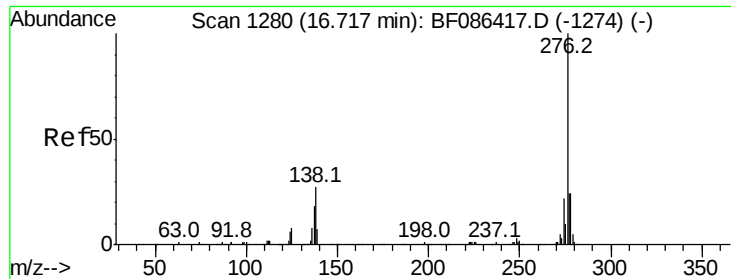
Tot Ion:228 Resp: 94089
Ion Ratio Lower Upper
228 100
226 31.9 22.5 33.7
229 22.2 16.6 25.0



#82
Chrysene
Concen: 5.30 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.03 min
Lab File: BF086443.D
Acq: 28 Apr 2016 00:26

Tgt Ion:228 Resp: 94089
Ion Ratio Lower Upper
228 100
226 31.9 24.4 36.6
229 22.2 15.8 23.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.37 ng

RT: 16.73 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

Instrument :

BNA_F

ClientSampleId :

EUT01-B6B9B11B15B10-C

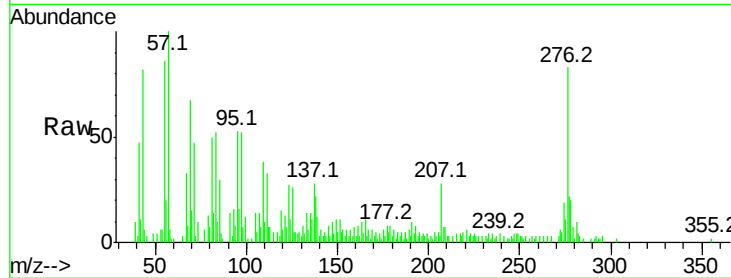
Tot Ion:276 Resp: 31195

Ion Ratio Lower Upper

276 100

138 23.0 25.6 38.4#

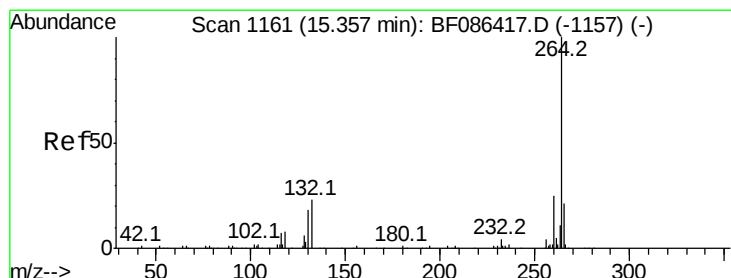
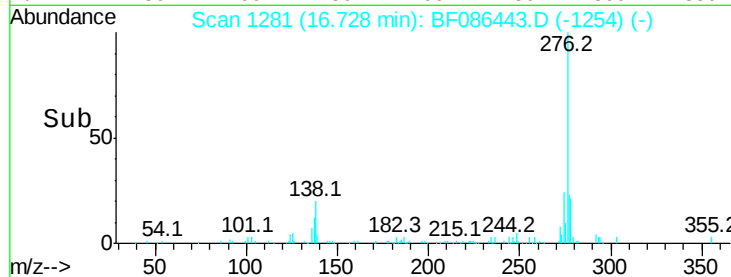
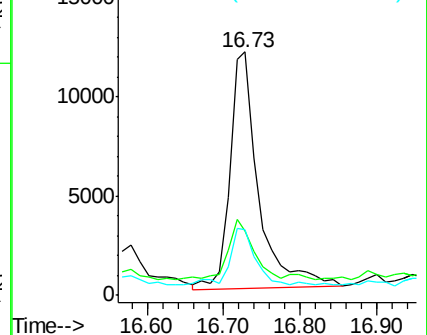
277 21.9 20.5 30.7



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: BF086443.D

Acq: 28 Apr 2016 00:26

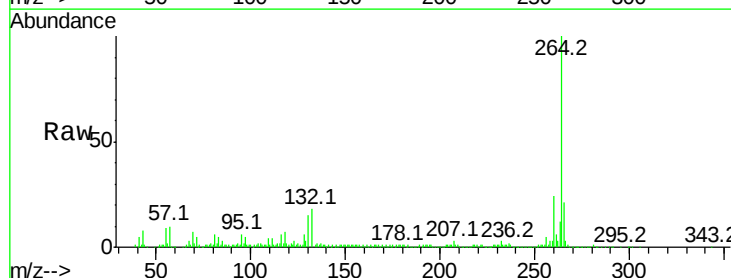
Tgt Ion:264 Resp: 239360

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

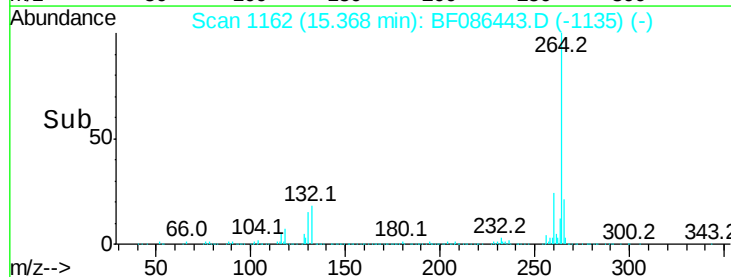
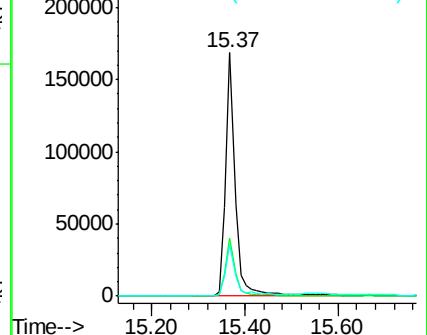
265 21.3 17.3 25.9

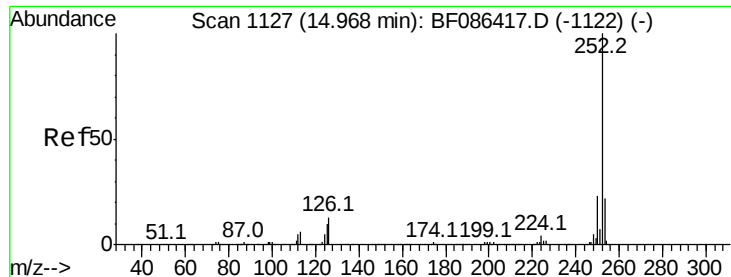


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.10 ng

RT: 14.97 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

Instrument :

BNA_F

ClientSampleId :

EUT01-B6B9B11B15B10-C

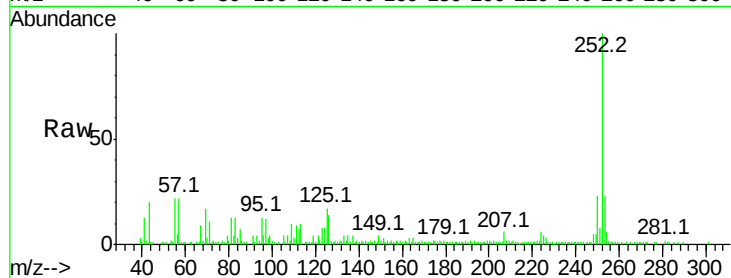
Tot Ion:252 Resp: 128172

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

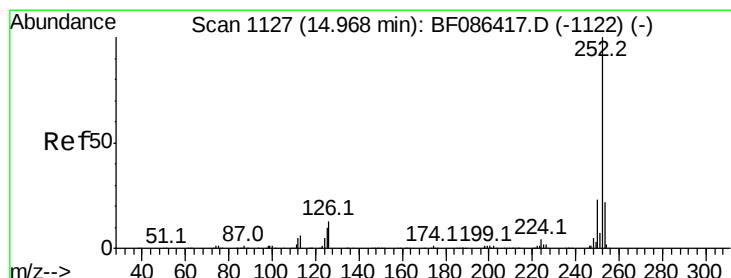
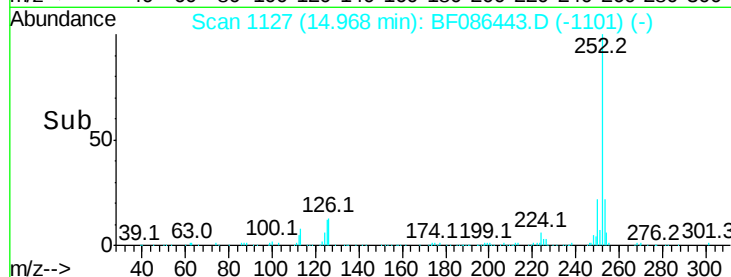
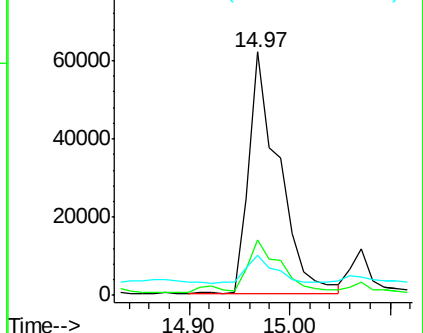
125 16.6 11.4 17.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 8.73 ng

RT: 14.97 min Scan# 1127

Delta R.T. -0.02 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

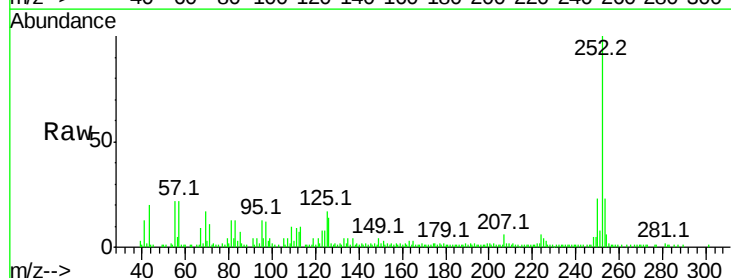
Tgt Ion:252 Resp: 128172

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

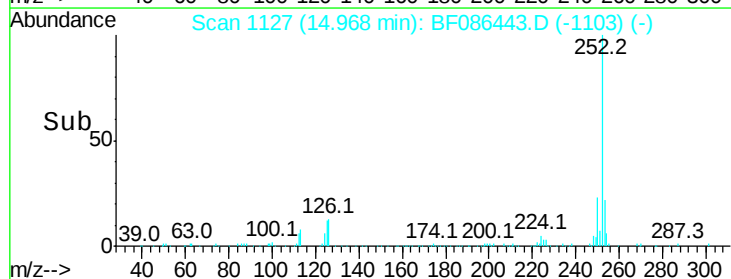
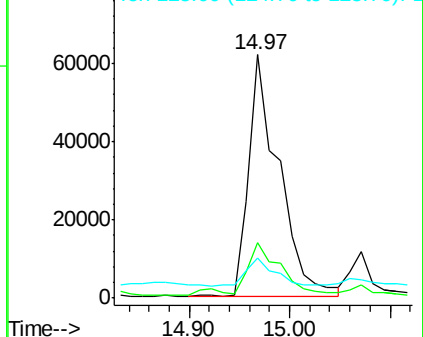
125 16.6 9.1 13.7#

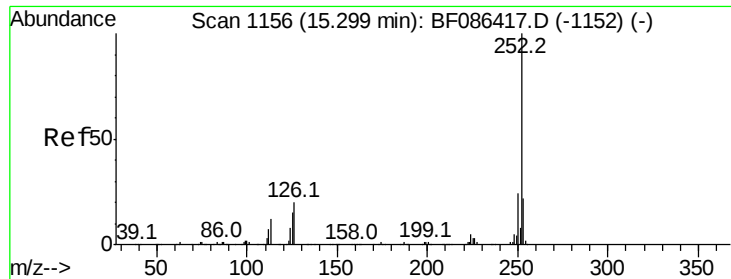


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.22 ng

RT: 15.31 min Scan# 1157

Delta R.T. 0.01 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

Instrument :

BNA_F

ClientSampleId :

EUT01-B6B9B11B15B10-C

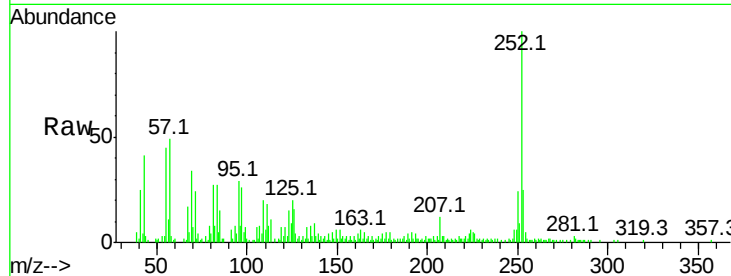
Tot Ion:252 Resp: 56161

Ion Ratio Lower Upper

252 100

253 25.3 17.2 25.8

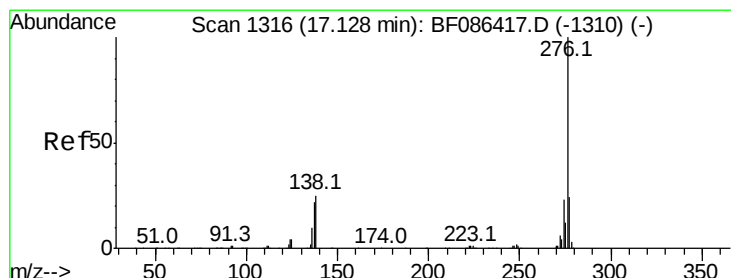
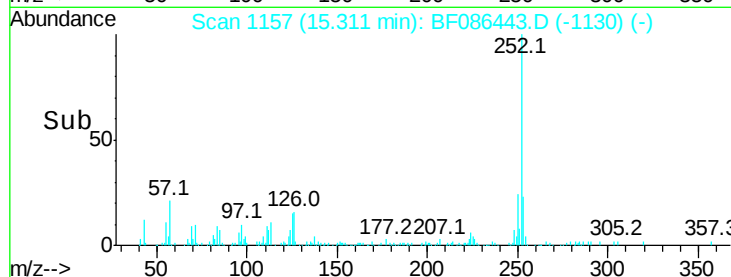
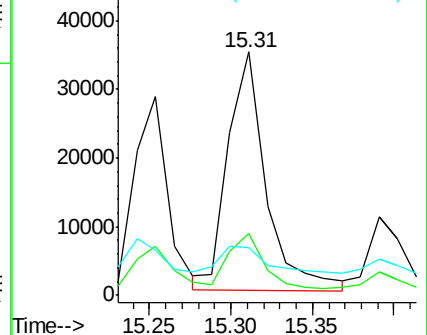
125 19.6 9.0 13.6#



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: 2.74 ng

RT: 17.13 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BF086443.D

Acq: 28 Apr 2016 00:26

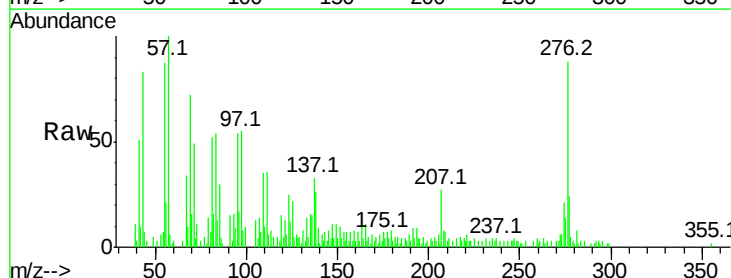
Tgt Ion:276 Resp: 29869

Ion Ratio Lower Upper

276 100

277 27.0 19.6 29.4

138 29.6 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

