

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050416\
 Data File : BF086705.D
 Acq On : 5 May 2016 4:44
 Operator : UM/SJ
 Sample : H2829-13
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B3(0-5)-C

Quant Time: May 05 07:05:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	165581	40.00	ng	0.00
21) Naphthalene-d8	8.03	136	592364	40.00	ng	0.00
38) Acenaphthene-d10	9.78	164	235545	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	371834	40.00	ng	0.00
75) Chrysene-d12	13.89	240	337119	40.00	ng	0.01
86) Perylene-d12	15.29	264	250544	40.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	874993	87.48	ng	0.01
7) Phenol-d6	6.38	99	1044966	77.56	ng	0.01
23) Nitrobenzene-d5	7.31	82	676394	58.68	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	182590	79.24	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	952808	66.31	ng	0.00
78) Terphenyl-d14	12.84	244	695546	41.70	ng	0.00

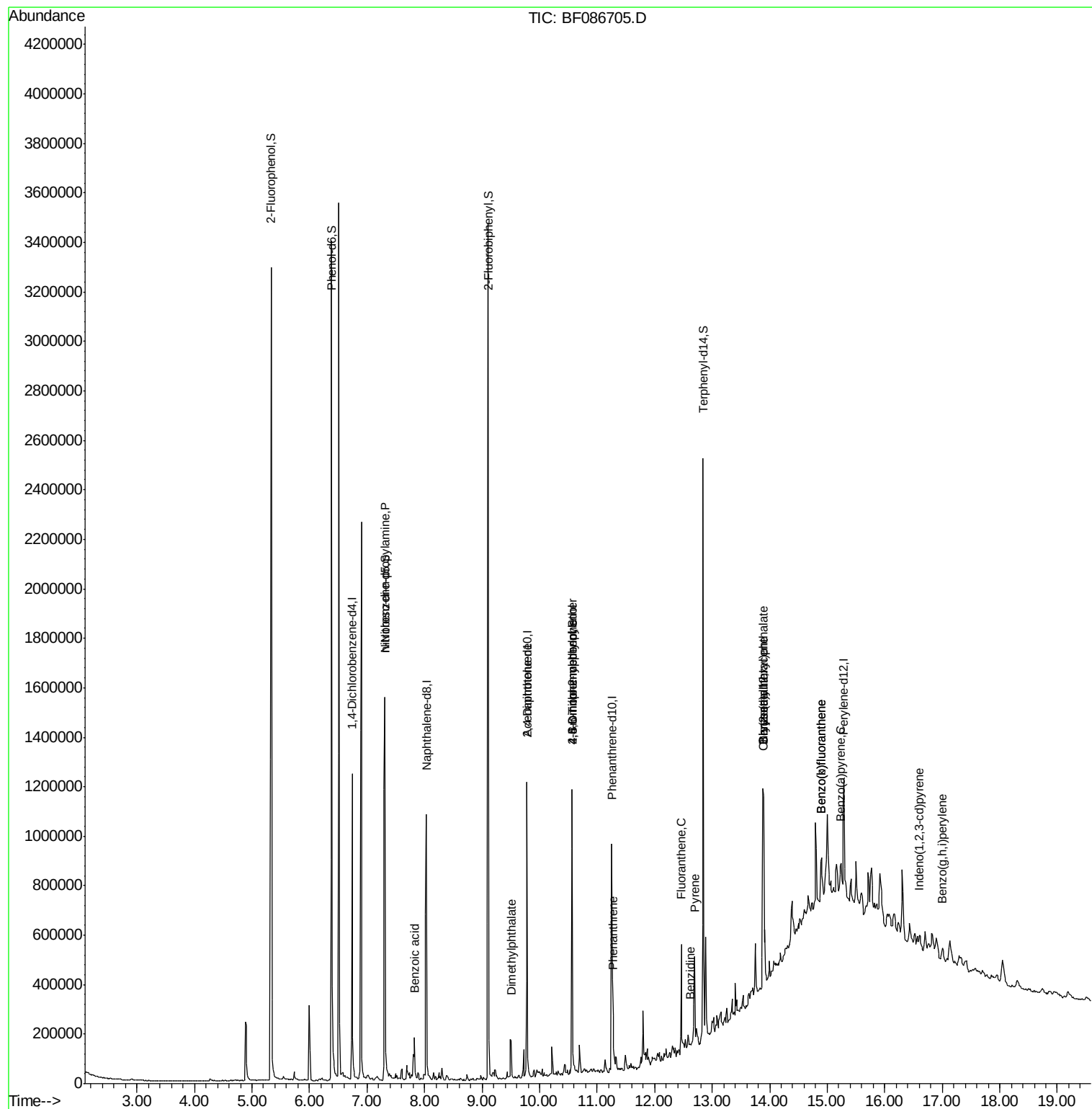
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	94146	10.23	ng	# 82
32) Benzoic acid	7.82	122	45636	18.75	ng	# 20
49) Dimethylphthalate	9.50	163	89850	5.12	ng	98
56) 2,4-Dinitrotoluene	9.78	165	30002	6.42	ng	# 16
64) 4,6-Dinitro-2-methylphenol	10.57	198	281	5.38	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	10904	2.95	ng	# 1
70) Phenanthrene	11.28	178	76834	3.85	ng	99
74) Fluoranthene	12.47	202	172547	8.62	ng	95
76) Benzidine	12.61	184	815	7.17	ng	# 1
77) Pyrene	12.69	202	157088	5.84	ng	99
80) Benzo(a)anthracene	13.88	228	74554	3.91	ng	95
82) Chrysene	13.88	228	74554	3.67	ng	97
83) Bis(2-ethylhexyl)phthalate	13.88	149	43030	3.30	ng	98
85) Indeno(1,2,3-cd)pyrene	16.60	276	36979	2.12	ng	# 89
87) Benzo(b)fluoranthene	14.90	252	131548	8.74	ng	# 94
88) Benzo(k)fluoranthene	14.90	252	131548	9.27	ng	# 92
89) Benzo(a)pyrene	15.23	252	56122	4.05	ng	# 86
91) Benzo(g,h,i)perylene	17.00	276	38819	2.78	ng	96

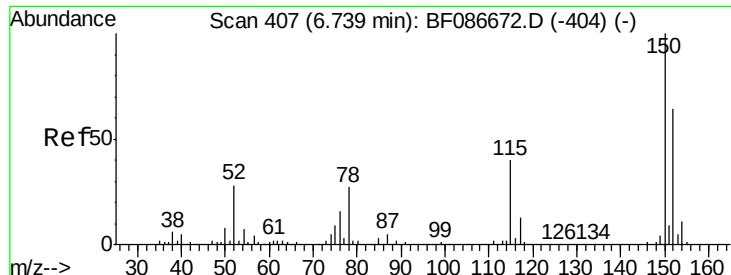
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.74 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B3(0-5)-C

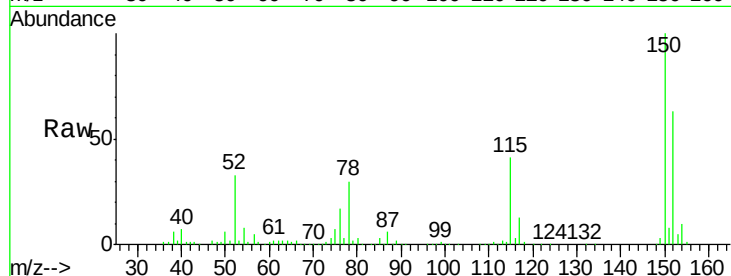
Tgt Ion:152 Resp: 165581

Ion Ratio Lower Upper

152 100

150 159.0 125.8 188.6

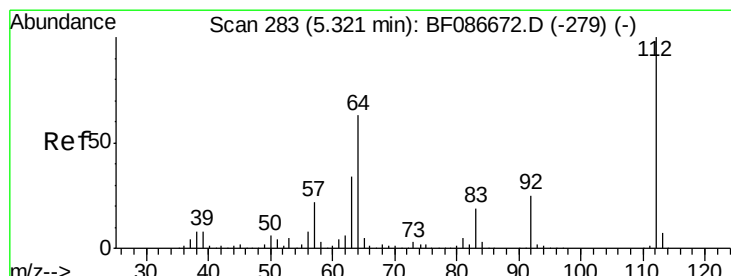
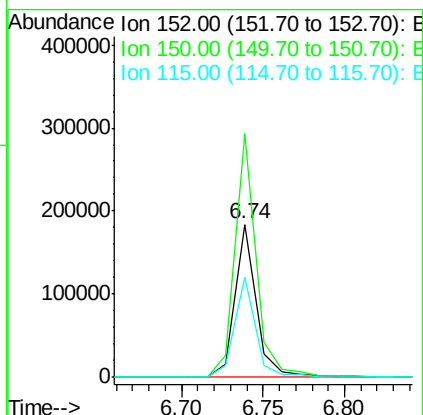
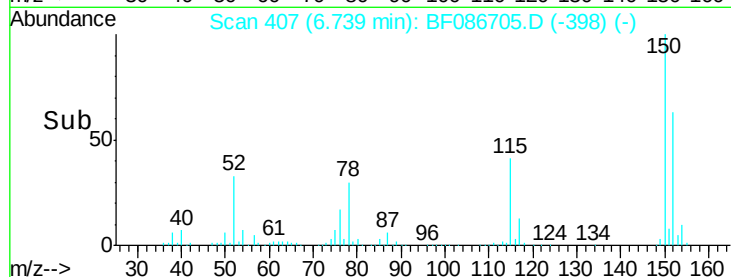
115 65.9 51.5 77.3



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: 87.48 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

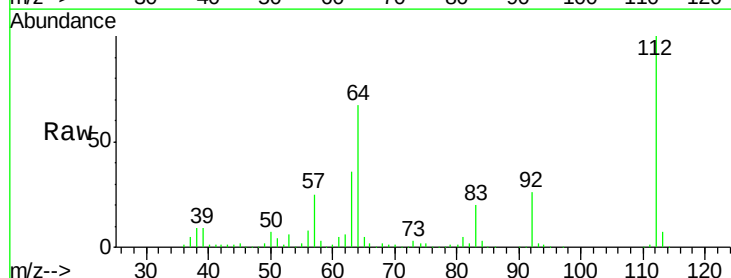
Tgt Ion:112 Resp: 874993

Ion Ratio Lower Upper

112 100

64 67.1 52.1 78.1

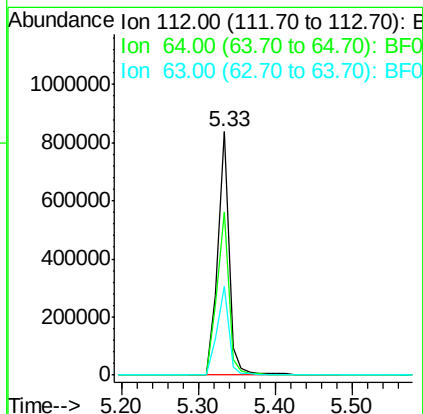
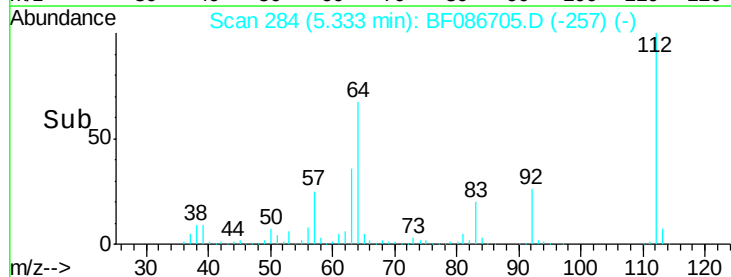
63 36.3 25.7 38.5

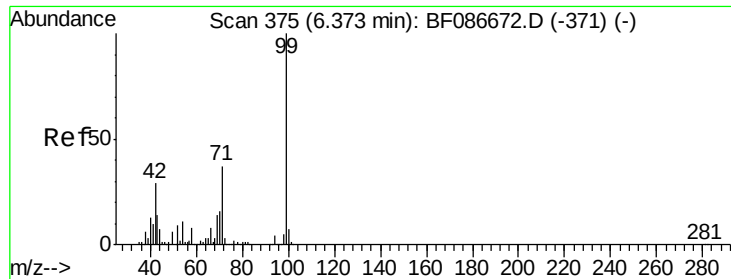


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 77.56 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B3(0-5)-C

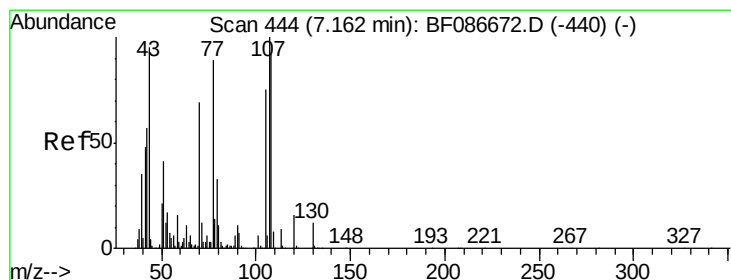
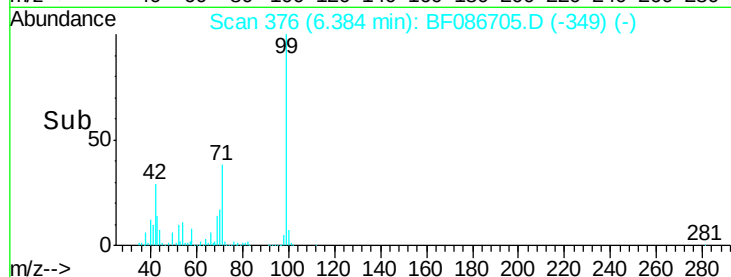
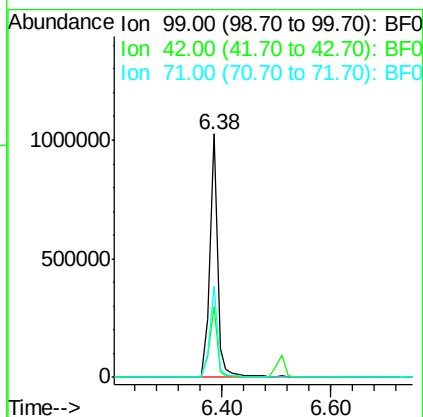
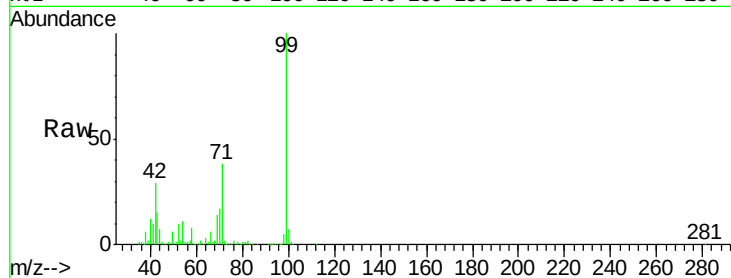
Tgt Ion: 99 Resp: 1044966

Ion Ratio Lower Upper

99 100

42 29.3 13.6 20.4#

71 37.6 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 10.23 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.15 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Tgt Ion: 70 Resp: 94146

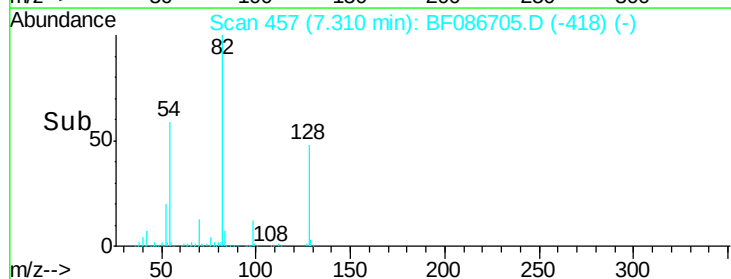
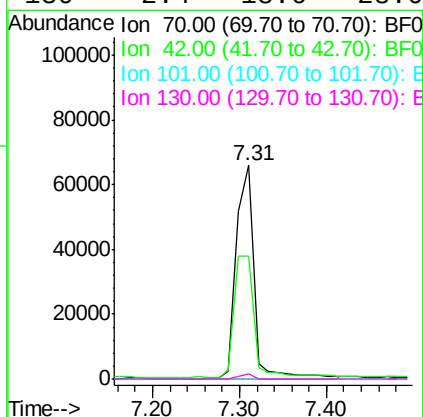
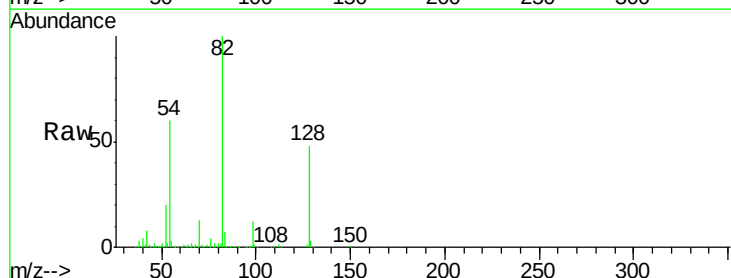
Ion Ratio Lower Upper

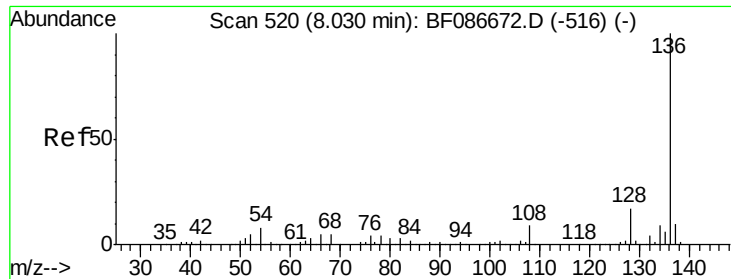
70 100

42 57.5 43.1 64.7

101 0.0 8.1 12.1#

130 2.4 18.6 28.0#

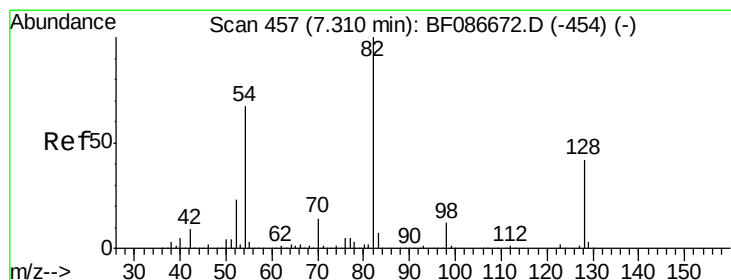
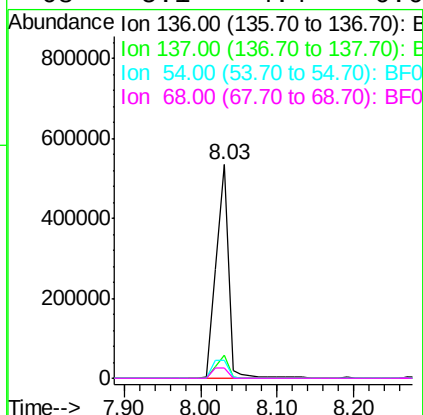
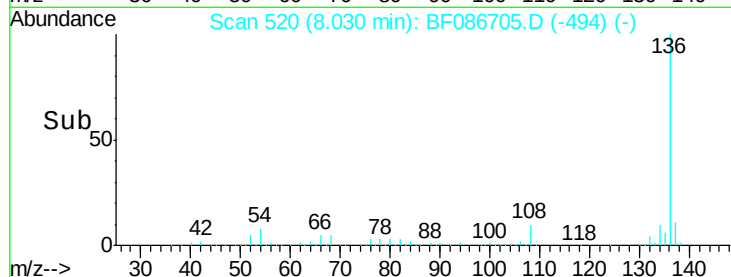
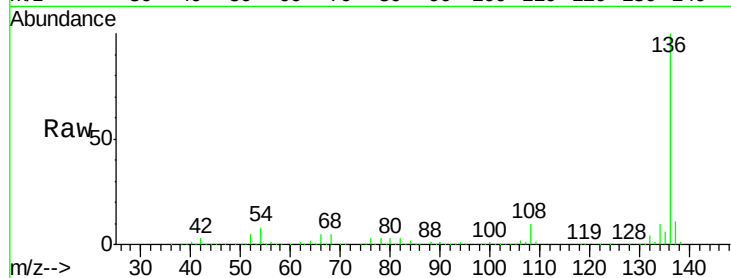




#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.03 min Scan# 520
Delta R.T. 0.00 min
Lab File: BF086705.D
Acq: 5 May 2016 4:44

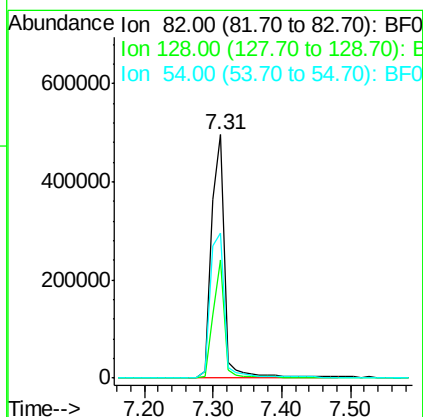
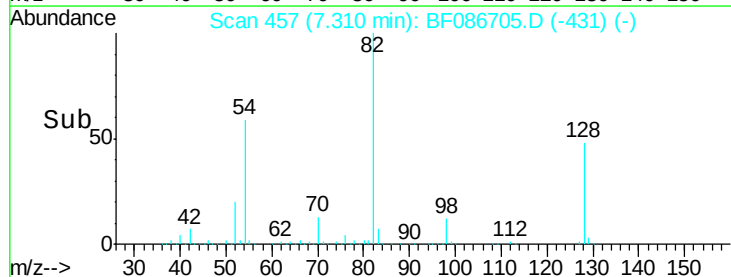
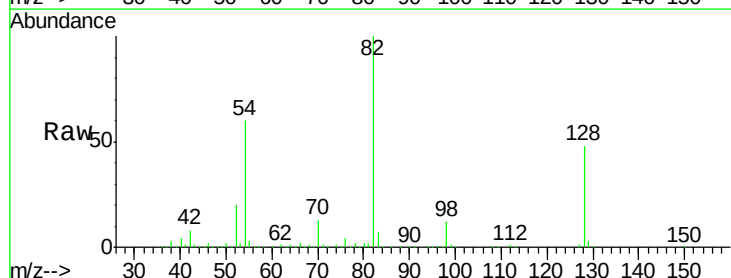
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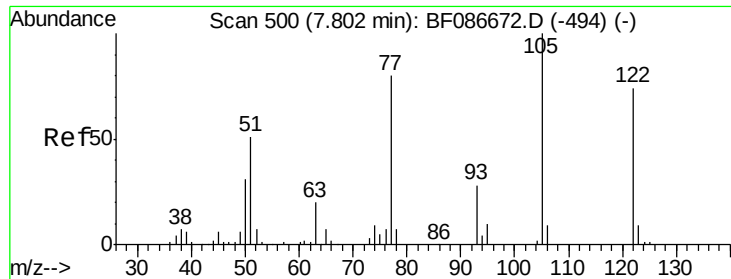
Tgt Ion:	136	Resp:	592364
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.4	5.0	7.4#
68	5.1	4.4	6.6



#23
Nitrobenzene-d5
Concen: 58.68 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.00 min
Lab File: BF086705.D
Acq: 5 May 2016 4:44

Tgt Ion:	82	Resp:	676394
Ion	Ratio	Lower	Upper
82	100		
128	48.4	40.6	61.0
54	59.5	38.1	57.1#

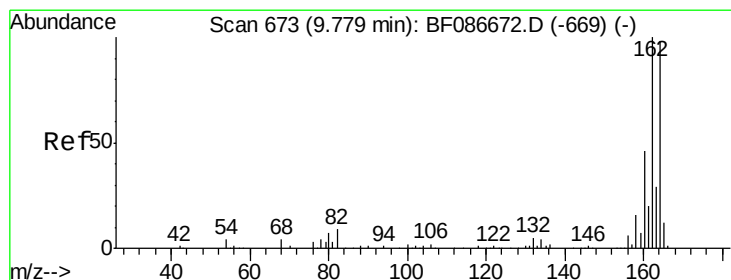
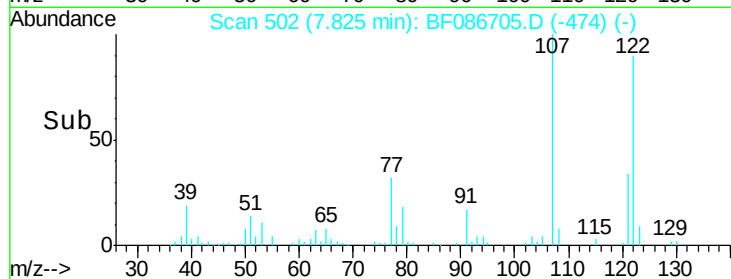
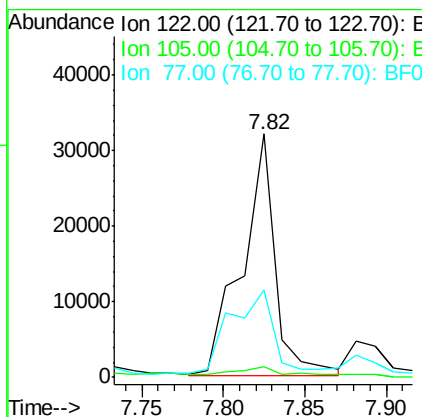
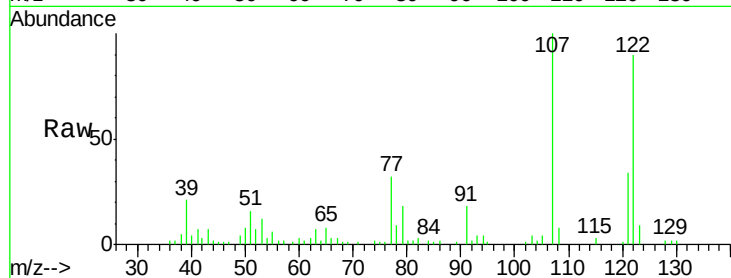




#32
Benzoic acid
Concen: 18.75 ng
RT: 7.82 min Scan# 502
Delta R.T. 0.02 min
Lab File: BF086705.D
Acq: 5 May 2016 4:44

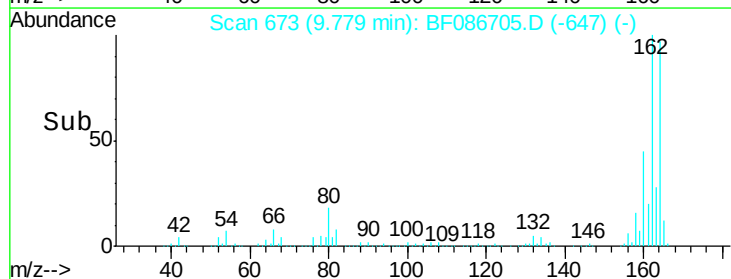
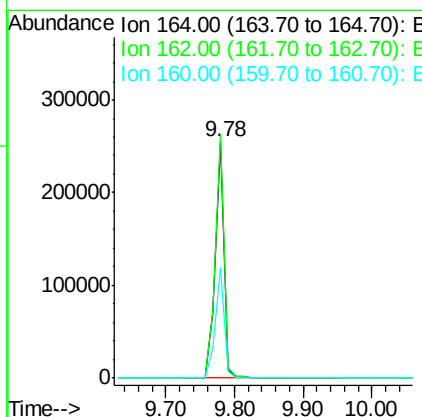
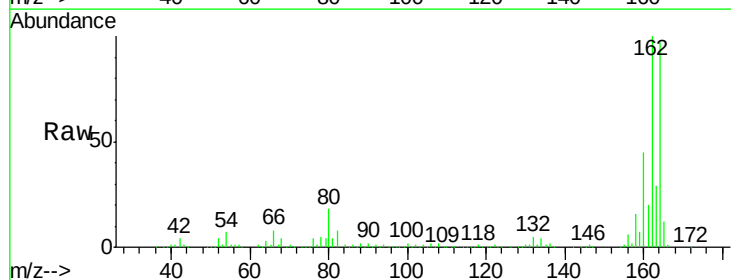
Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B3(0-5)-C

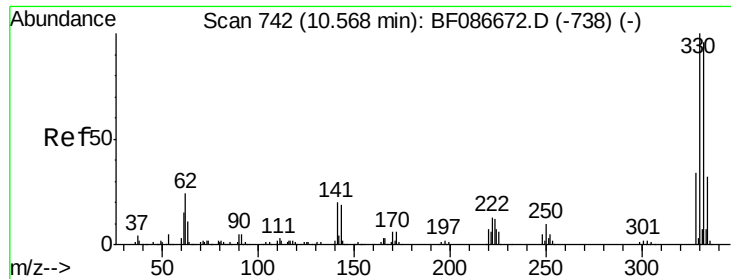
Tgt Ion	Ratio	Lower	Upper
122	100		
105	4.1	92.6	132.6#
77	35.7	60.0	100.0#



#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.78 min Scan# 673
Delta R.T. 0.00 min
Lab File: BF086705.D
Acq: 5 May 2016 4:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.8	124.2
160	46.5	36.9	55.3

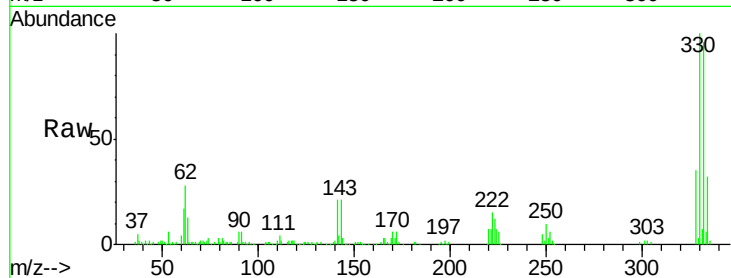




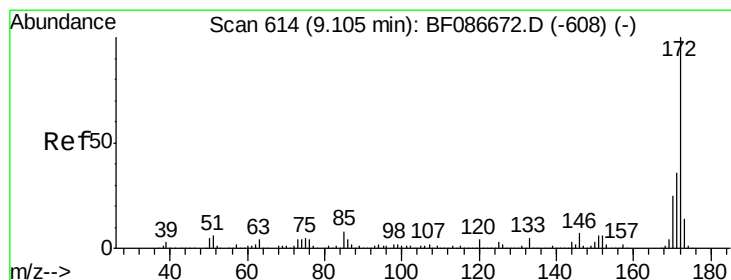
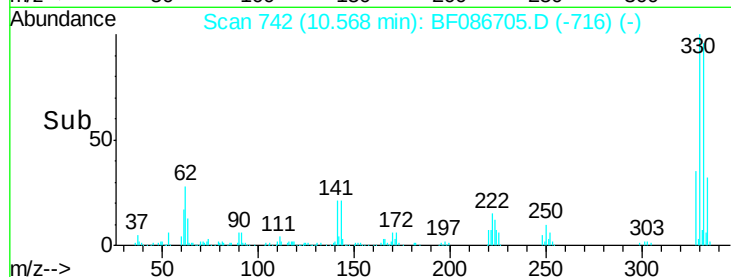
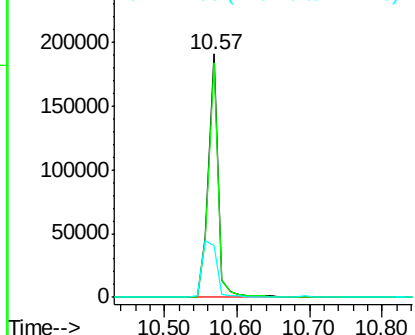
#41
 2,4,6-Tribromophenol
 Concen: 79.24 ng
 RT: 10.57 min Scan# 742
 Delta R.T. 0.00 min
 Lab File: BF086705.D
 Acq: 5 May 2016 4:44

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B3(0-5)-C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	79.0	118.4
141	34.3	31.2	46.8

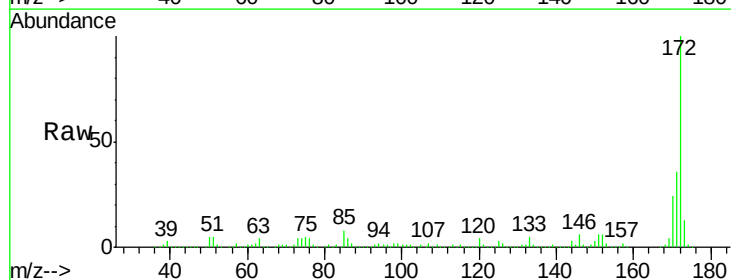


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

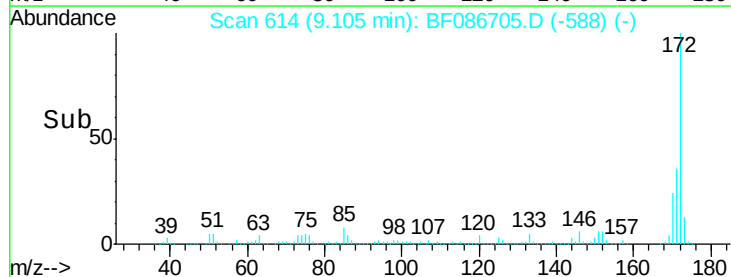
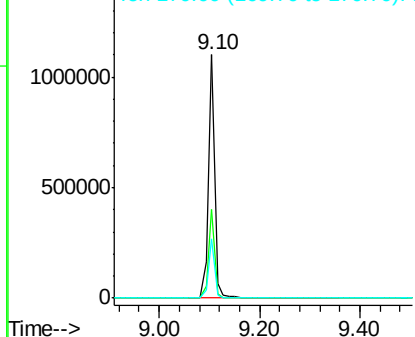


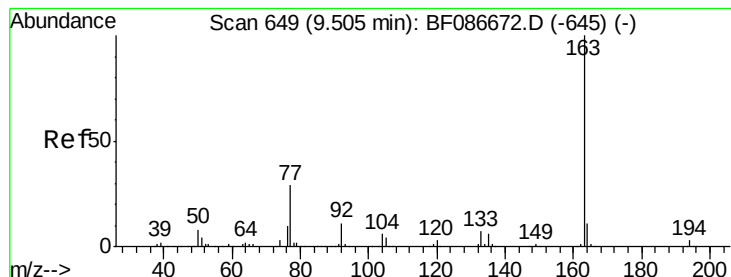
#44
 2-Fluorobiphenyl
 Concen: 66.31 ng
 RT: 9.10 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF086705.D
 Acq: 5 May 2016 4:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.6
170	24.4	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: 5.12 ng

RT: 9.50 min Scan# 649

Delta R.T. 0.00 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B3(0-5)-C

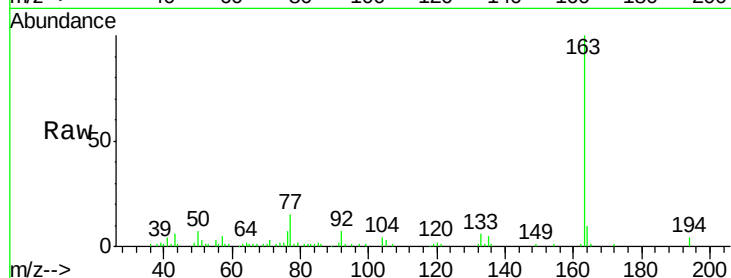
Tgt Ion:163 Resp: 89850

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

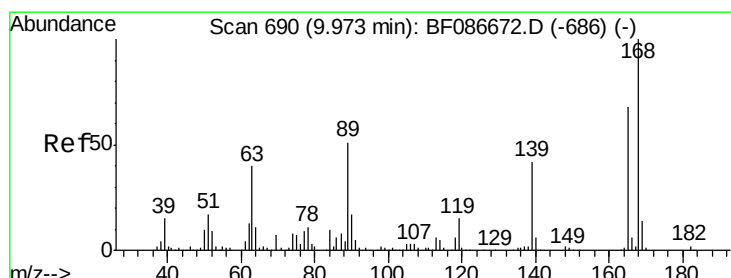
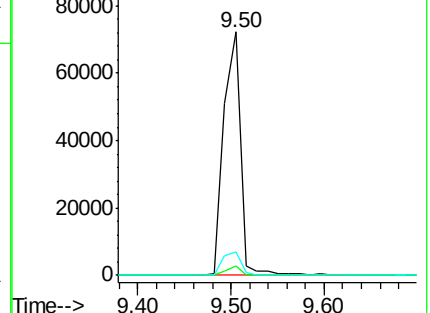
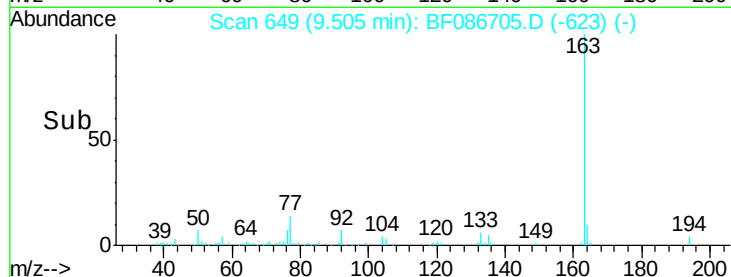
164 9.7 8.2 12.4



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: 6.42 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.19 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Tgt Ion:165 Resp: 30002

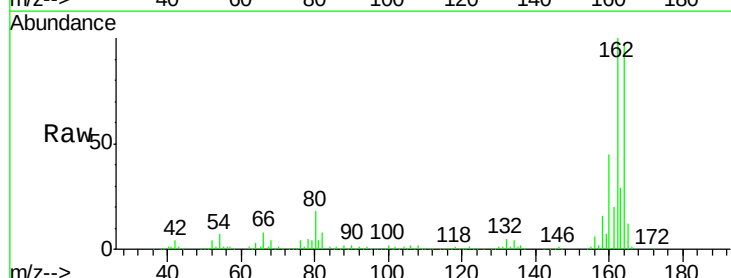
Ion Ratio Lower Upper

165 100

63 2.2 44.3 66.5#

89 2.0 70.0 105.0#

182 0.0 1.8 2.6#

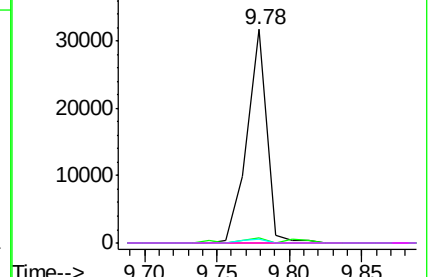
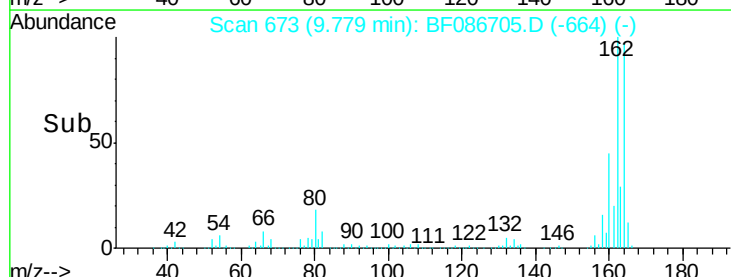


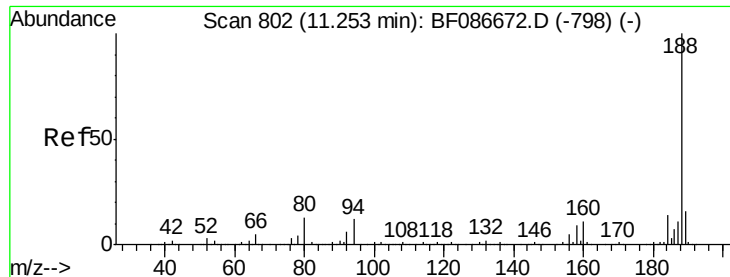
Abundance Ion 165.00 (164.70 to 165.70): E

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

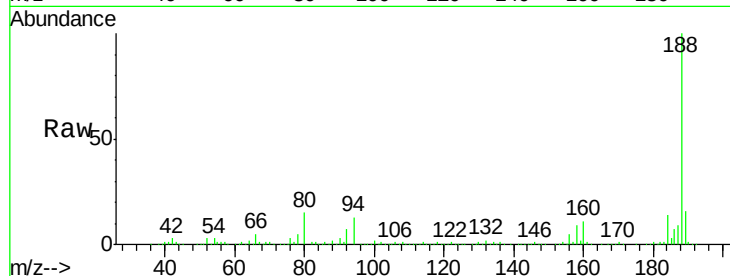




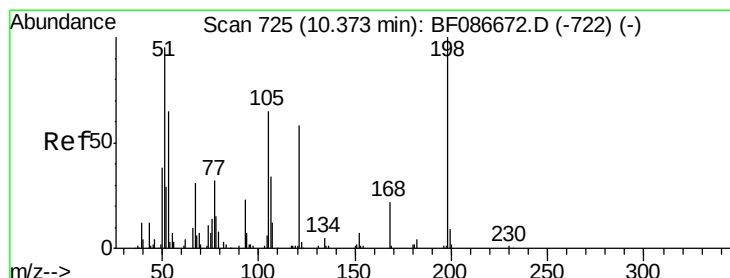
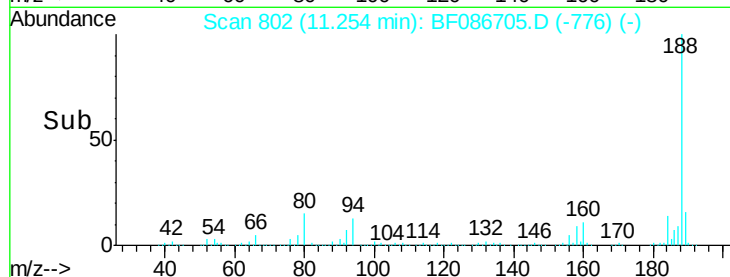
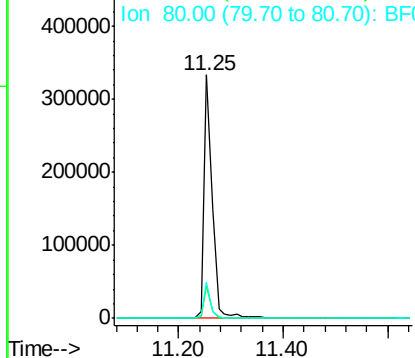
#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.25 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF086705.D
Acq: 5 May 2016 4:44

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B3(0-5)-C

Tgt Ion:188 Resp: 371834
Ion Ratio Lower Upper
188 100
94 13.1 6.8 10.2#
80 14.7 7.1 10.7#

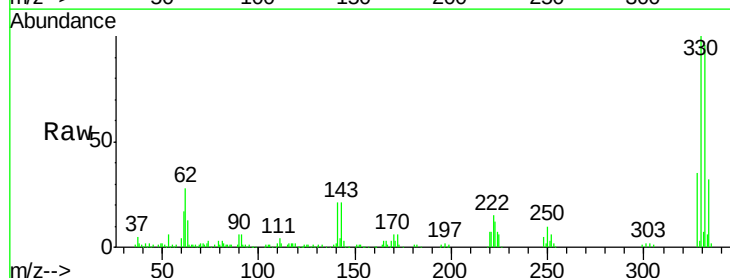


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

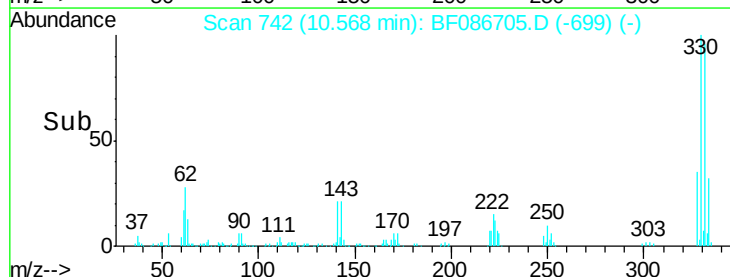
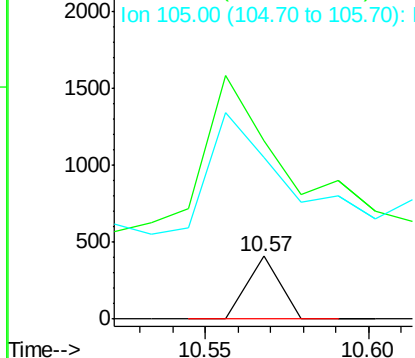


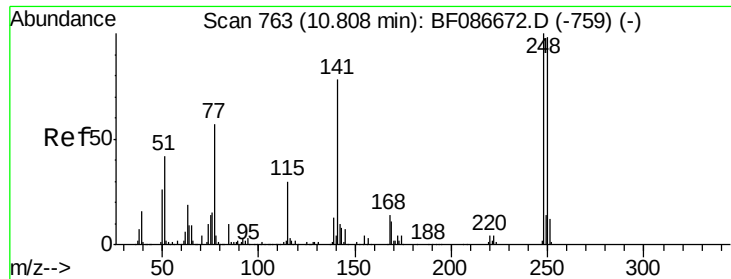
#64
4,6-Dinitro-2-methylphenol
Concen: 5.38 ng
RT: 10.57 min Scan# 742
Delta R.T. 0.19 min
Lab File: BF086705.D
Acq: 5 May 2016 4:44

Tgt Ion:198 Resp: 281
Ion Ratio Lower Upper
198 100
51 283.4 20.5 60.5#
105 257.2 24.5 64.5#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

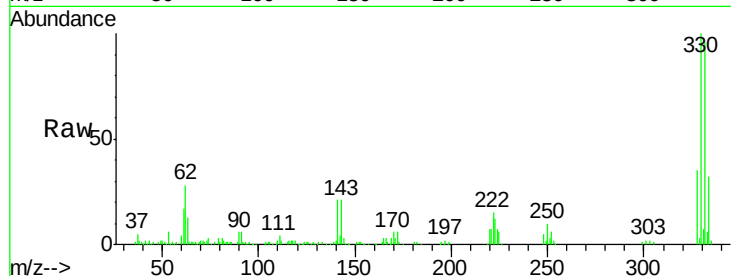




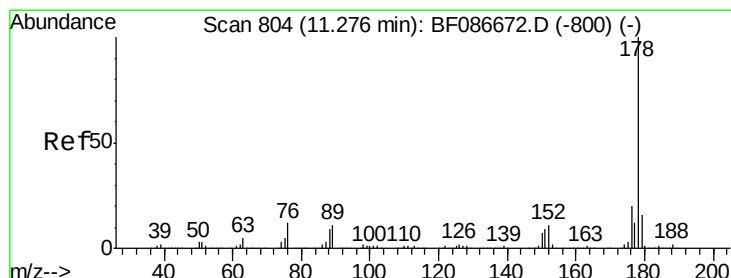
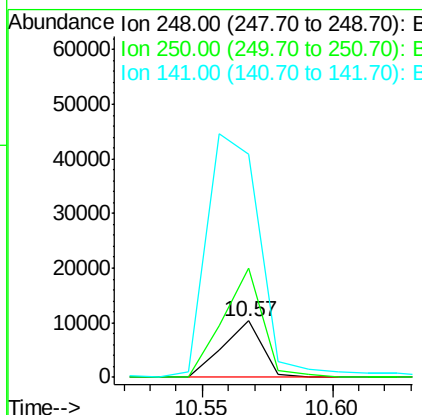
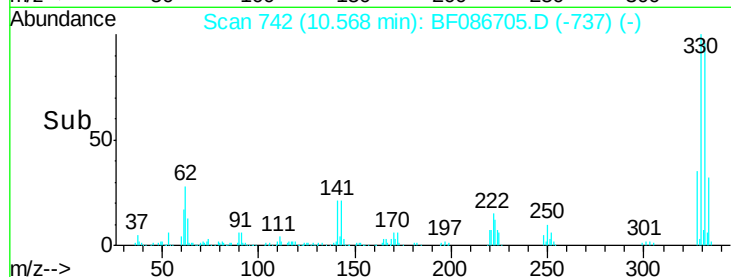
#66
 4-Bromophenyl-phenylether
 Concen: 2.95 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.24 min
 Lab File: BF086705.D
 Acq: 5 May 2016 4:44

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B3(0-5)-C

Tgt Ion:248 Resp: 10904
 Ion Ratio Lower Upper
 248 100
 250 192.9 78.6 117.8#
 141 395.4 76.0 114.0#

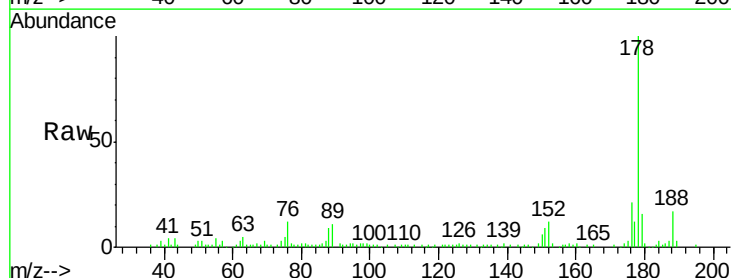


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

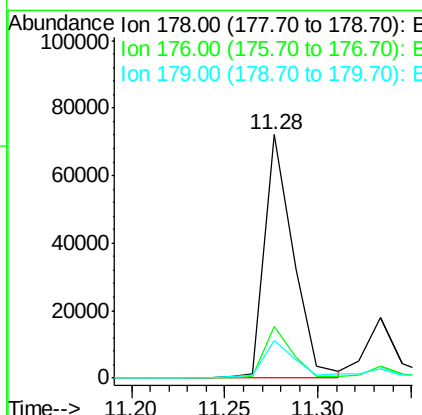
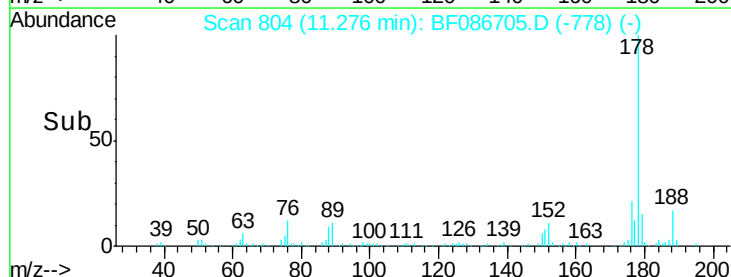


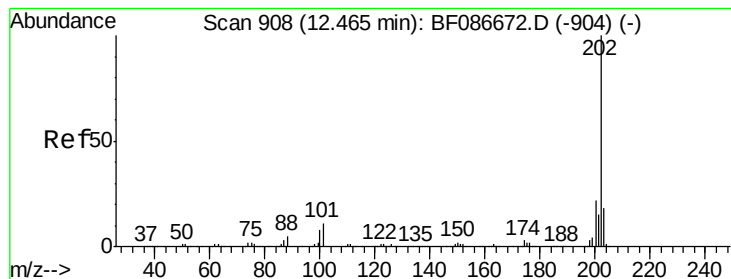
#70
 Phenanthrene
 Concen: 3.85 ng
 RT: 11.28 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: BF086705.D
 Acq: 5 May 2016 4:44

Tgt Ion:178 Resp: 76834
 Ion Ratio Lower Upper
 178 100
 176 21.0 16.0 24.0
 179 15.5 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: 8.62 ng

RT: 12.47 min Scan# 908

Delta R.T. 0.00 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B3(0-5)-C

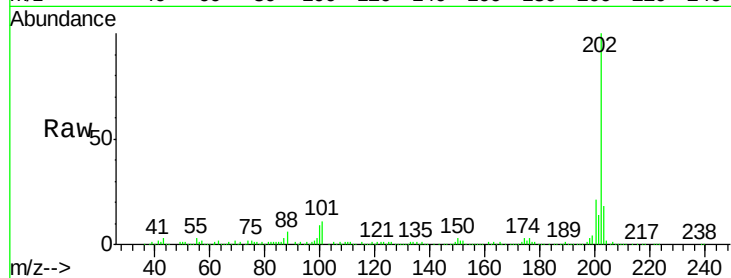
Tgt Ion:202 Resp: 172547

Ion Ratio Lower Upper

202 100

101 11.3 0.0 35.4

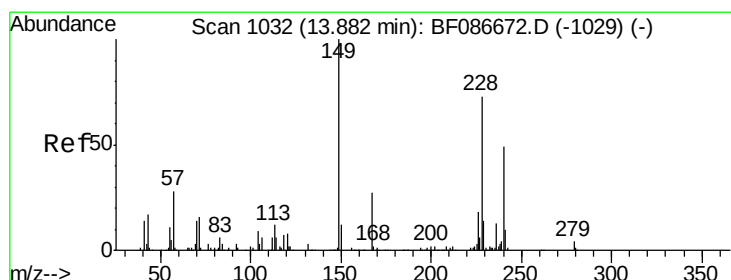
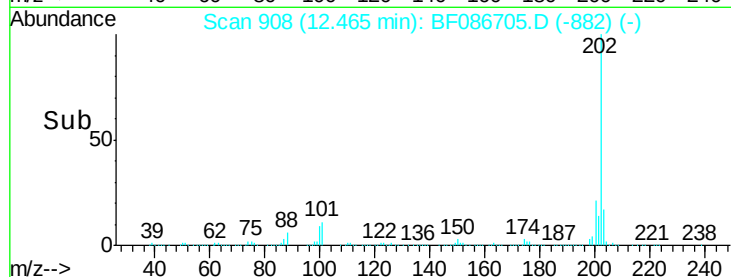
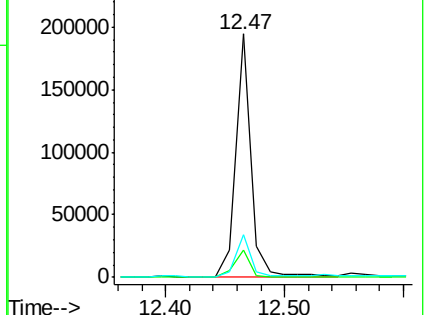
203 17.7 0.0 38.1



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: 40.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

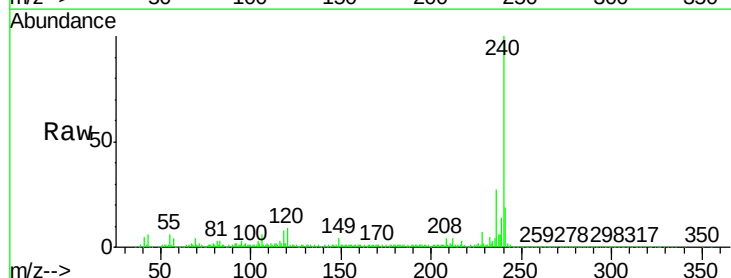
Tgt Ion:240 Resp: 337119

Ion Ratio Lower Upper

240 100

120 9.1 11.2 16.8#

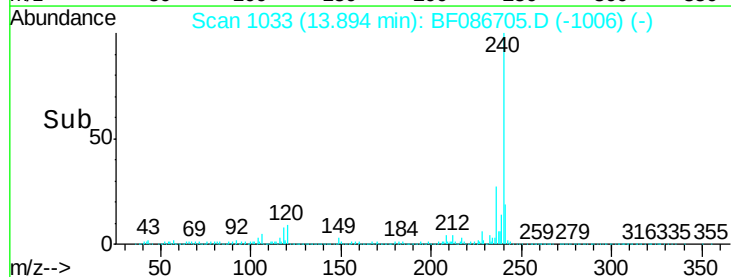
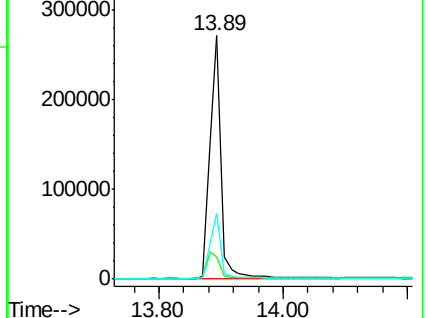
236 26.8 21.2 31.8

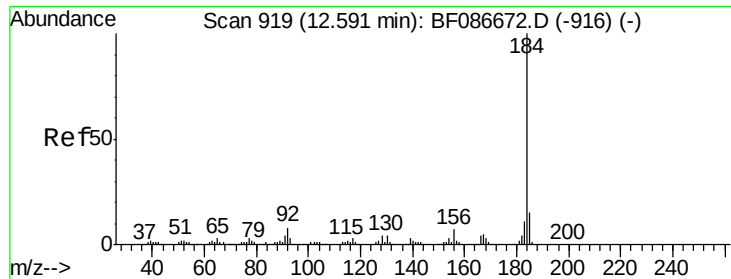


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 7.17 ng

RT: 12.61 min Scan# 921

Delta R.T. 0.02 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B3(0-5)-C

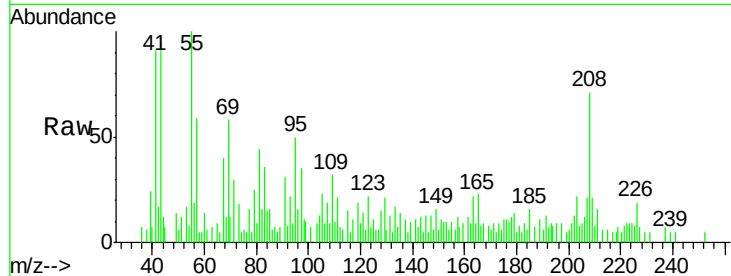
Tgt Ion:184 Resp: 815

Ion Ratio Lower Upper

184 100

185 251.7 13.6 20.4#

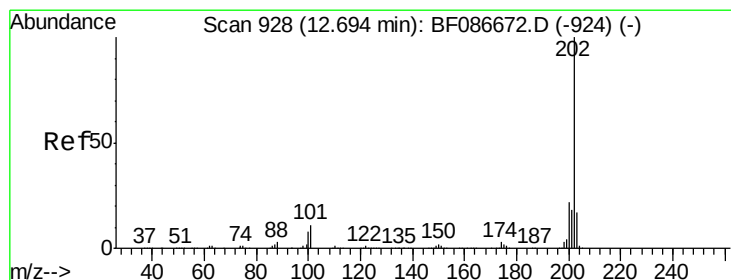
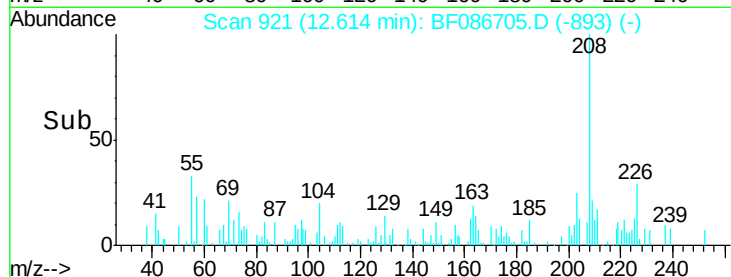
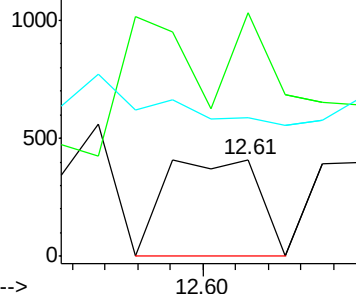
183 143.4 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 5.84 ng

RT: 12.69 min Scan# 928

Delta R.T. 0.00 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

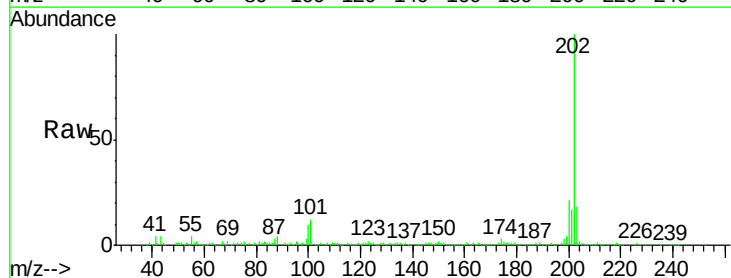
Tgt Ion:202 Resp: 157088

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

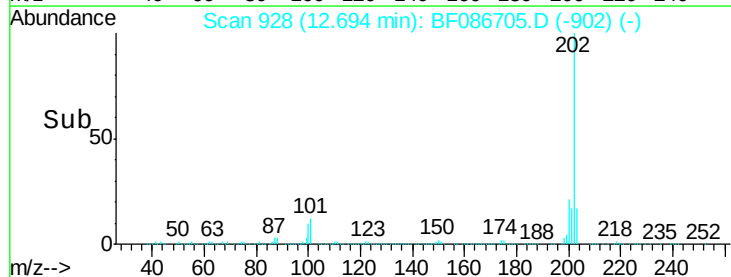
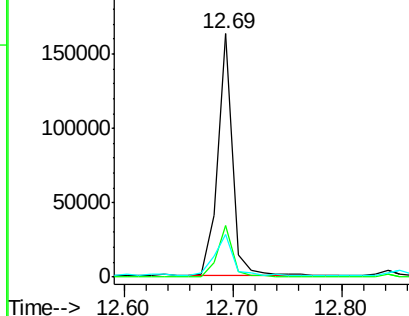
203 17.7 14.2 21.4

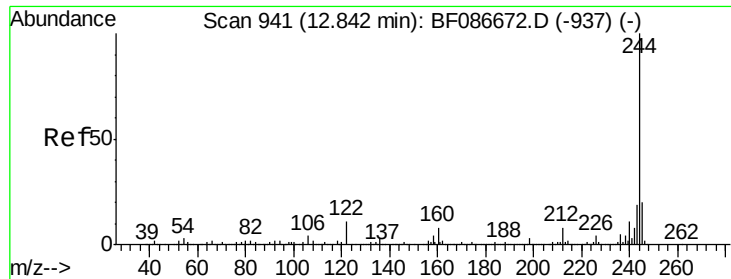


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 41.70 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B3(0-5)-C

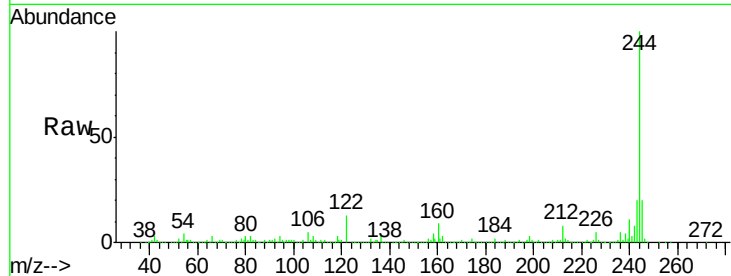
Tgt Ion:244 Resp: 695546

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

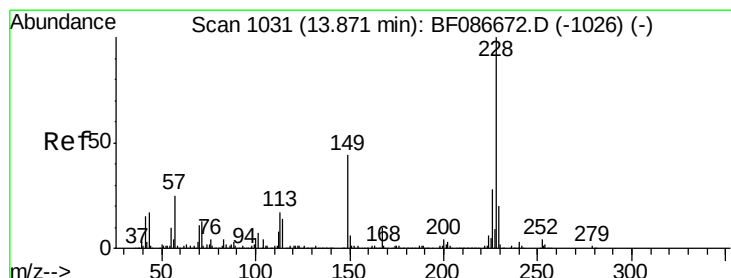
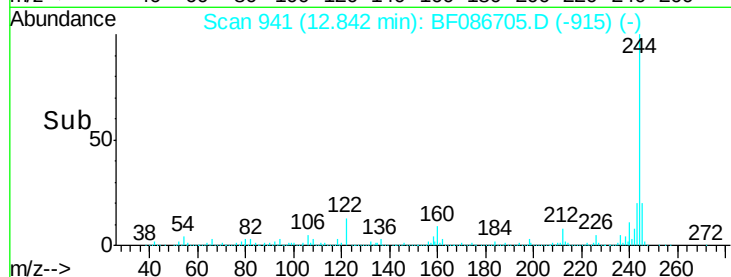
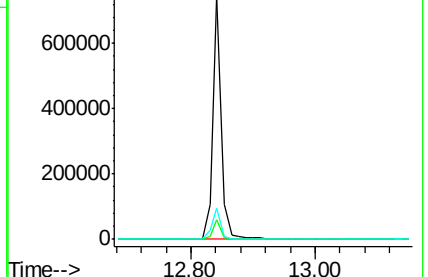
122 13.0 12.0 18.0



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: 3.91 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.01 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

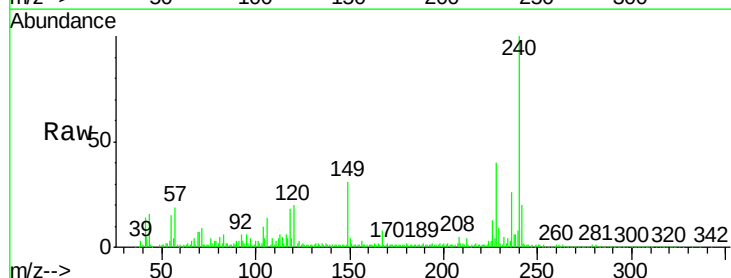
Tgt Ion:228 Resp: 74554

Ion Ratio Lower Upper

228 100

226 31.2 22.5 33.7

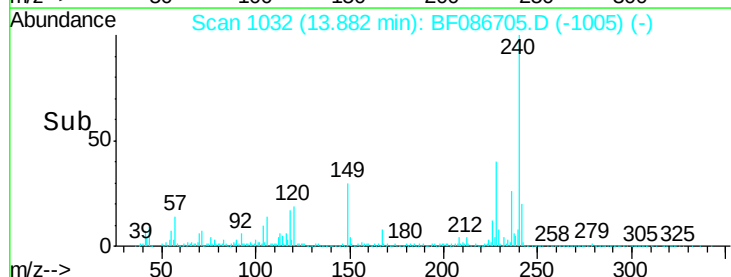
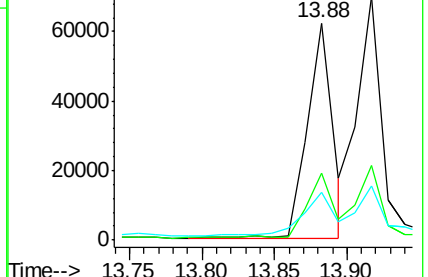
229 22.3 16.6 25.0

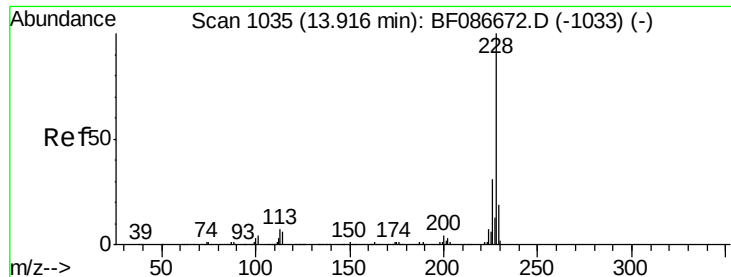


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.67 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B3(0-5)-C

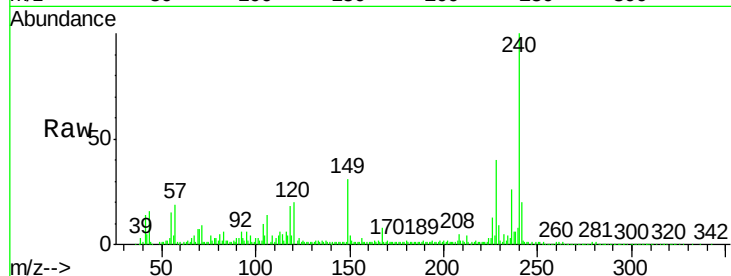
Tgt Ion:228 Resp: 74554

Ion Ratio Lower Upper

228 100

226 31.2 24.4 36.6

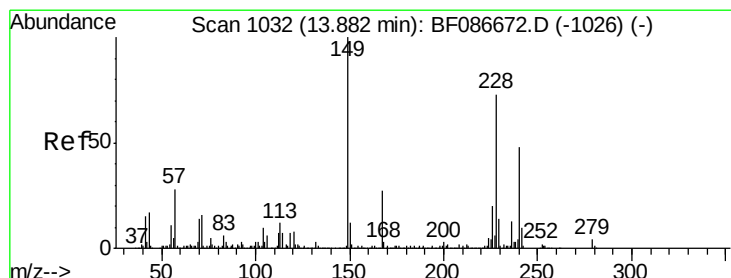
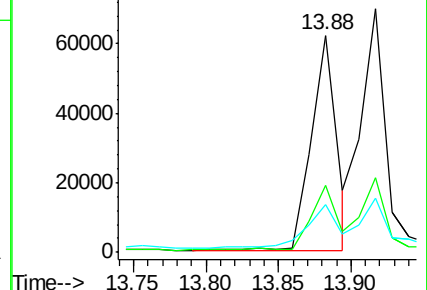
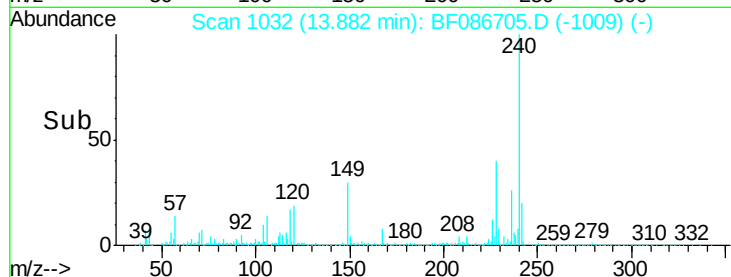
229 22.3 15.8 23.8



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.30 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

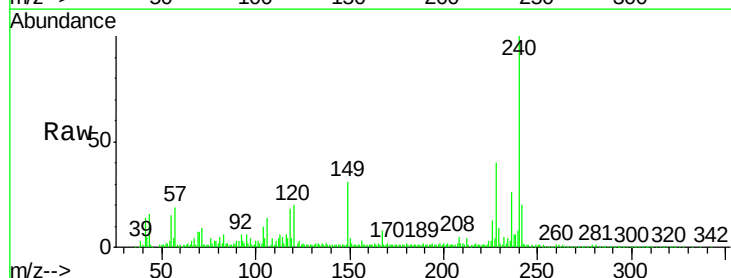
Tgt Ion:149 Resp: 43030

Ion Ratio Lower Upper

149 100

167 26.2 21.8 32.6

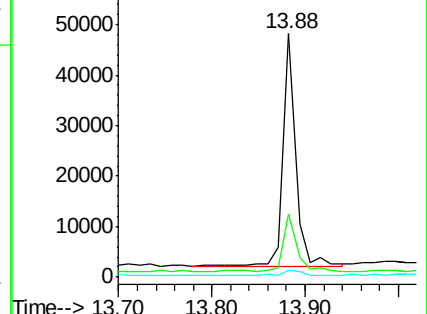
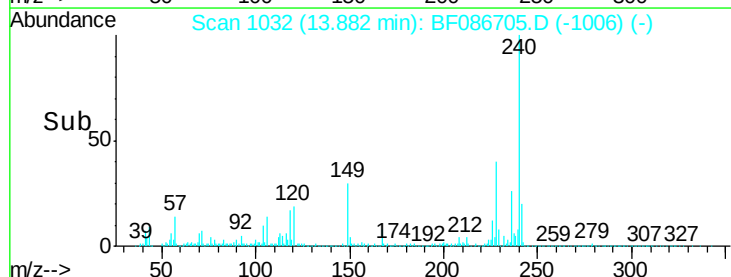
279 3.0 2.6 4.0

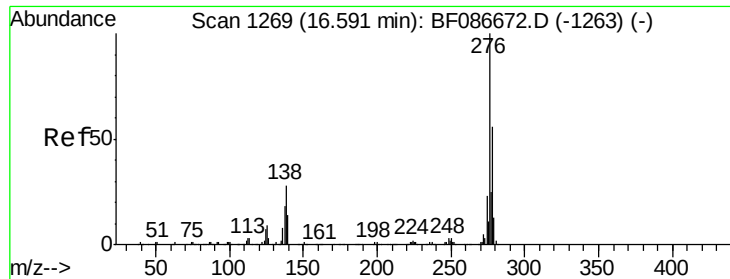


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

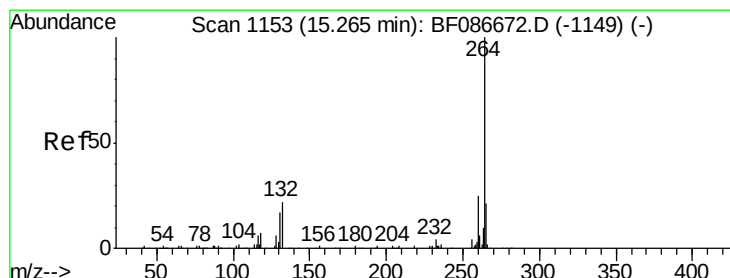
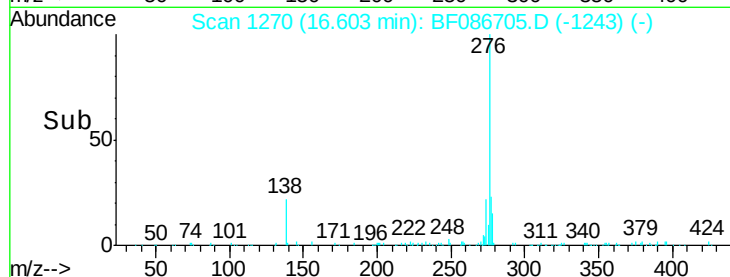
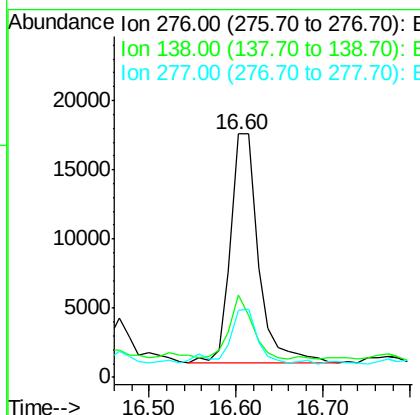
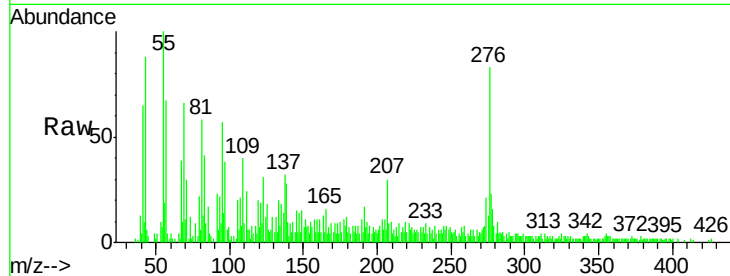




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.12 ng
 RT: 16.60 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: BF086705.D
 Acq: 5 May 2016 4:44

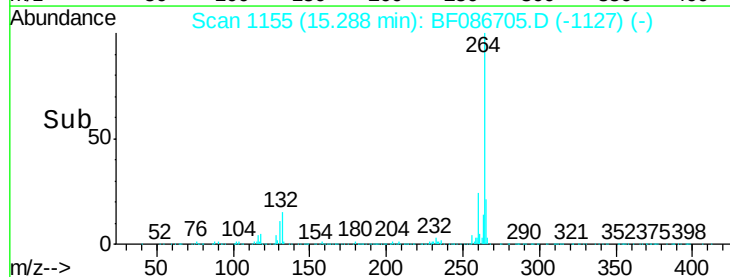
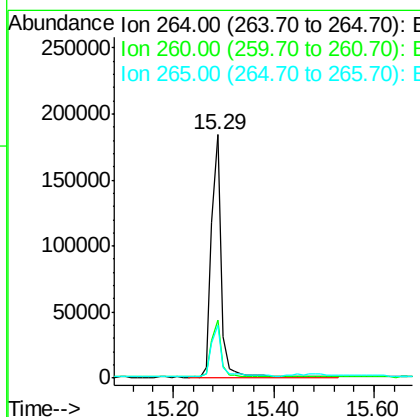
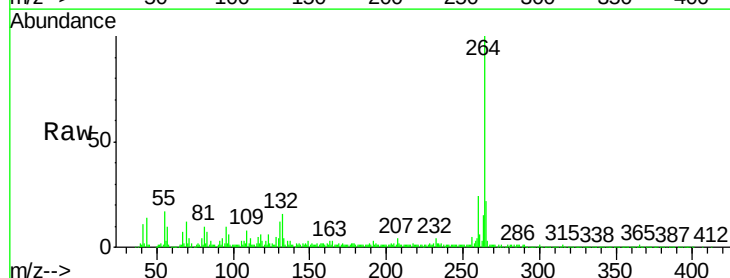
Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B3(0-5)-C

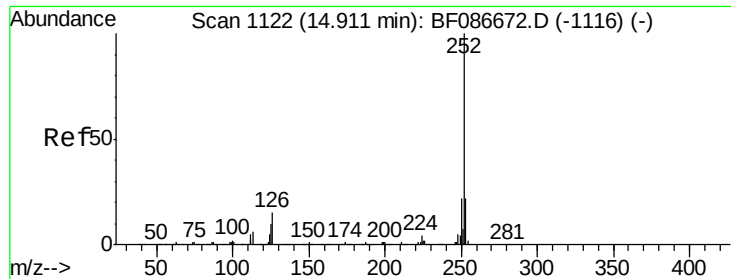
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	25.6	38.4#
277	28.0	20.5	30.7



#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. 0.02 min
 Lab File: BF086705.D
 Acq: 5 May 2016 4:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.9	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 8.74 ng

RT: 14.90 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BF086705.D

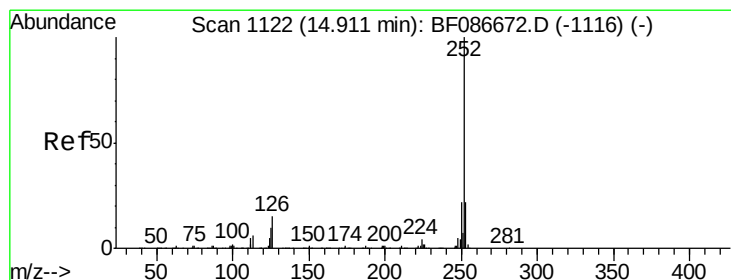
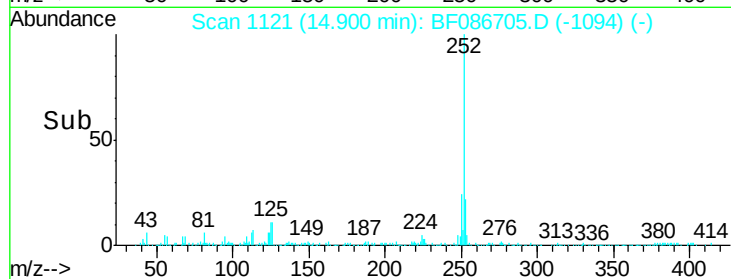
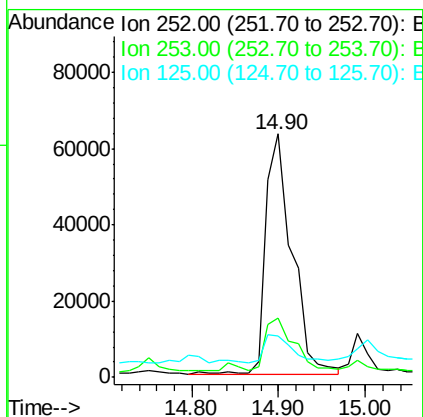
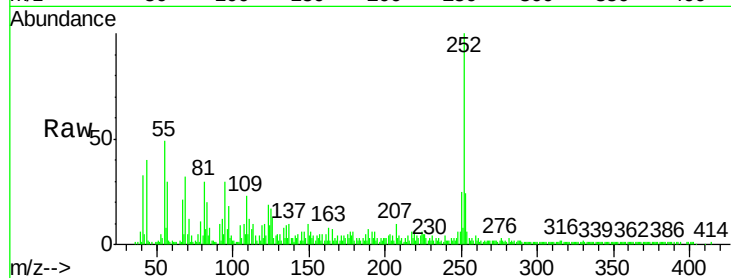
Acq: 5 May 2016 4:44

Instrument :
BNA_F

ClientSampleId :
EUT01-TD-B3(0-5)-C

Tgt Ion: 252 Resp: 131548

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	17.2	11.4	17.0



#88

Benzo(k)fluoranthene

Concen: 9.27 ng

RT: 14.90 min Scan# 1121

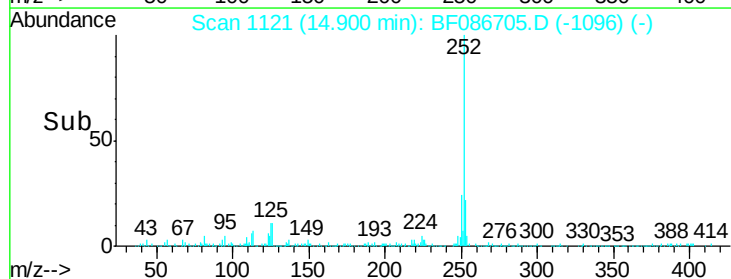
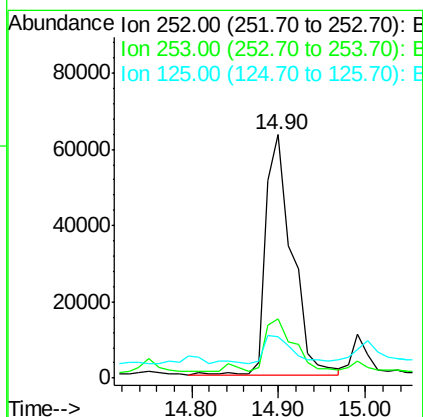
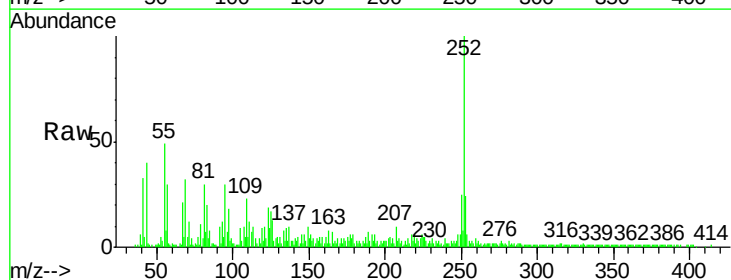
Delta R.T. -0.01 min

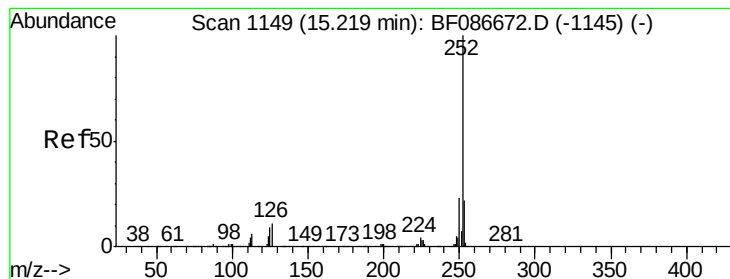
Lab File: BF086705.D

Acq: 5 May 2016 4:44

Tgt Ion: 252 Resp: 131548

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	17.2	9.1	13.7





#89

Benzo(a)pyrene

Concen: 4.05 ng

RT: 15.23 min Scan# 1150

Delta R.T. 0.01 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B3(0-5)-C

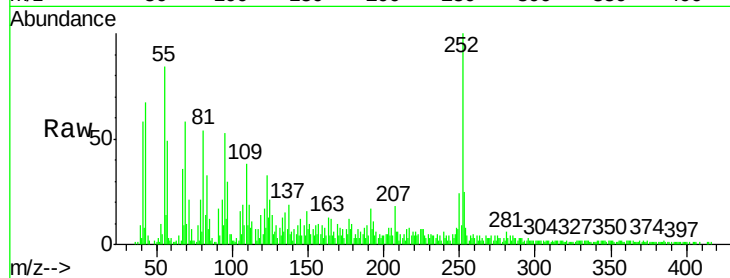
Tgt Ion: 252 Resp: 56122

Ion Ratio Lower Upper

252 100

253 25.4 17.2 25.8

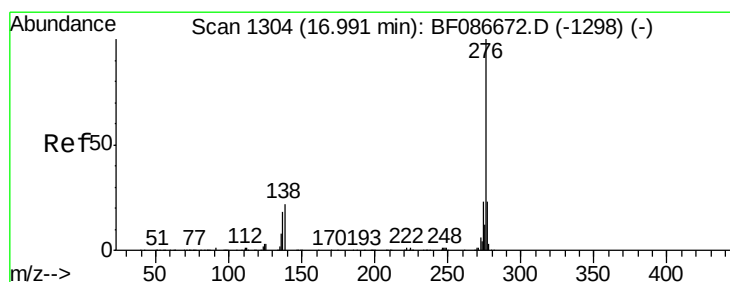
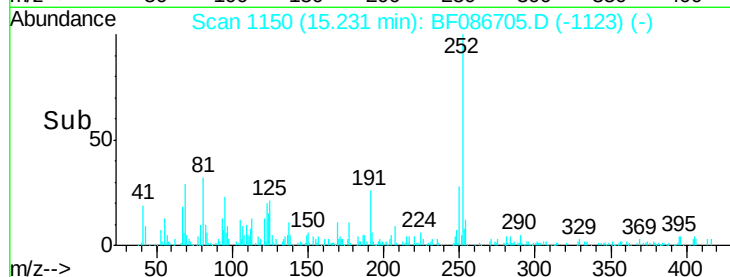
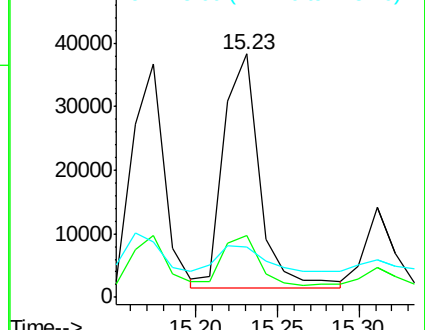
125 20.8 9.0 13.6#



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: 2.78 ng

RT: 17.00 min Scan# 1305

Delta R.T. 0.01 min

Lab File: BF086705.D

Acq: 5 May 2016 4:44

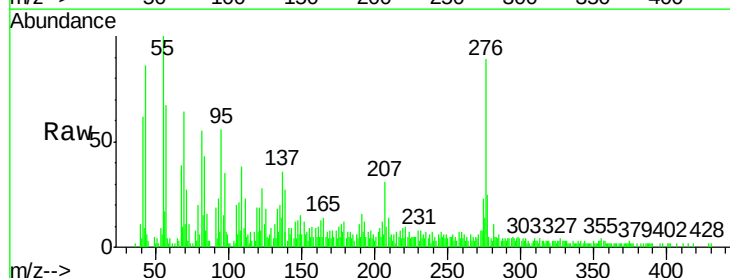
Tgt Ion: 276 Resp: 38819

Ion Ratio Lower Upper

276 100

277 28.0 19.6 29.4

138 30.0 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

