

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
 Data File : BF086714.D
 Acq On : 5 May 2016 19:21
 Operator : UM/SJ
 Sample : H2829-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B12(0-8.5)-C

Quant Time: May 06 01:14:37 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	6.73	152	187007	40.00	ng	-0.01
21) Naphthalene-d8	8.01	136	720069	40.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	331920	40.00	ng	-0.02
63) Phenanthrene-d10	11.24	188	598144	40.00	ng	-0.01
75) Chrysene-d12	13.87	240	367059	40.00	ng	-0.01
86) Perylene-d12	15.27	264	343212	40.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	1284306	113.69	ng	0.00
7) Phenol-d6	6.37	99	1570654	103.22	ng	0.00
23) Nitrobenzene-d5	7.30	82	1120463	79.96	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	388302	119.59	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1530184	75.57	ng	-0.01
78) Terphenyl-d14	12.83	244	1155519	63.62	ng	-0.01

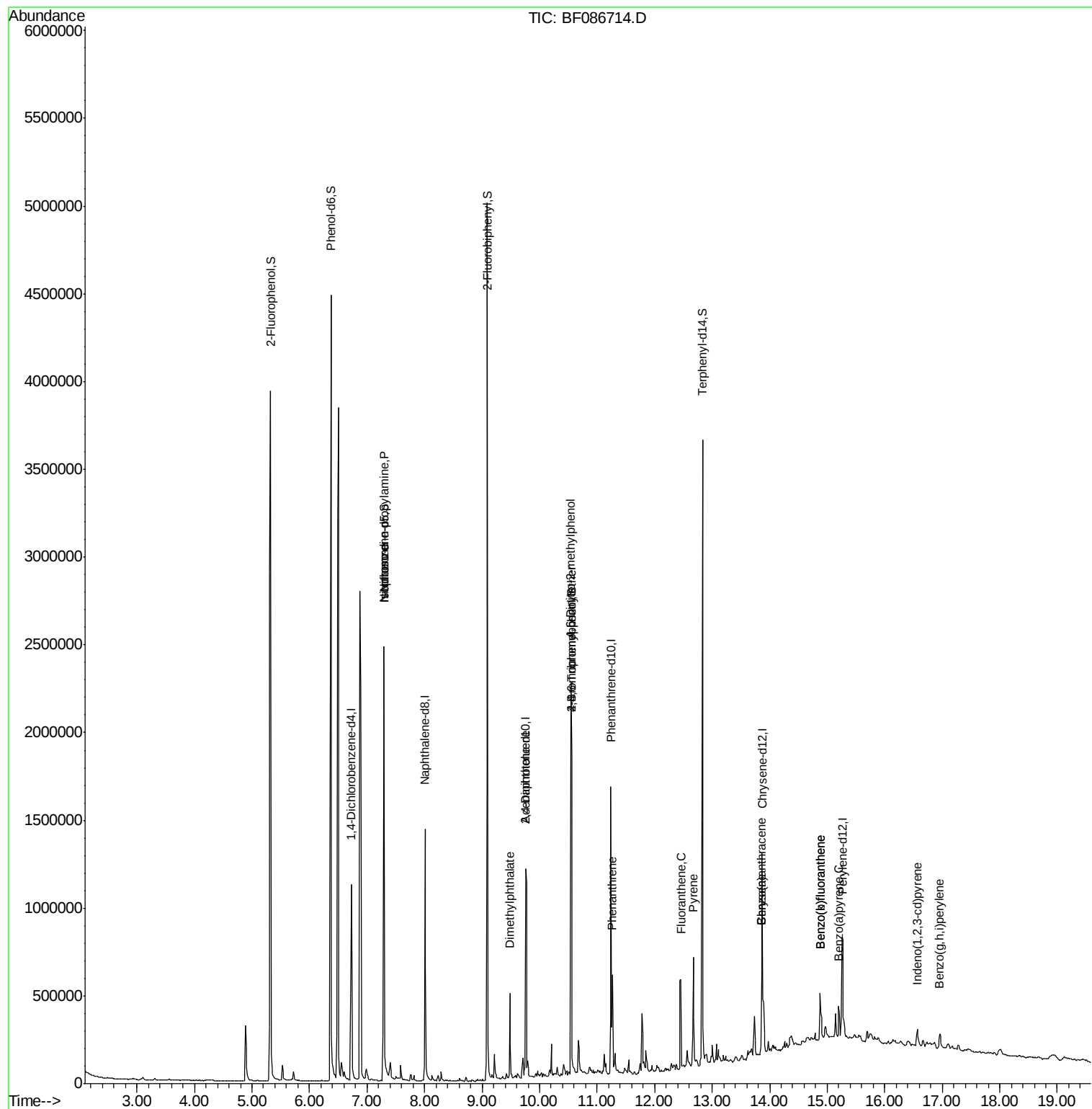
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	150573	14.48	ng	# 82
25) Isophorone	7.30	82	1057751	40.53	ng	# 68
49) Dimethylphthalate	9.48	163	198424	8.02	ng	99
56) 2,4-Dinitrotoluene	9.76	165	42558	6.47	ng	# 17
64) 4,6-Dinitro-2-methylphenol	10.54	198	934	5.56	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	21261	3.58	ng	# 1
70) Phenanthrene	11.26	178	195654	6.09	ng	98
74) Fluoranthene	12.45	202	319865	9.93	ng	91
77) Pyrene	12.67	202	279216	9.54	ng	97
80) Benzo(a)anthracene	13.86	228	139448	6.72	ng	97
82) Chrysene	13.86	228	139448	6.30	ng	99
85) Indeno(1,2,3-cd)pyrene	16.57	276	72518	3.82	ng	# 88
87) Benzo(b)fluoranthene	14.88	252	208681	10.12	ng	98
88) Benzo(k)fluoranthene	14.88	252	208681	10.74	ng	98
89) Benzo(a)pyrene	15.20	252	111635	5.88	ng	# 94
91) Benzo(g,h,i)perylene	16.96	276	68225	3.56	ng	95

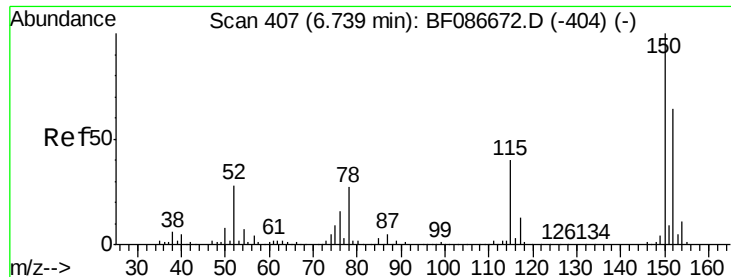
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.01 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B12(0-8.5)-C

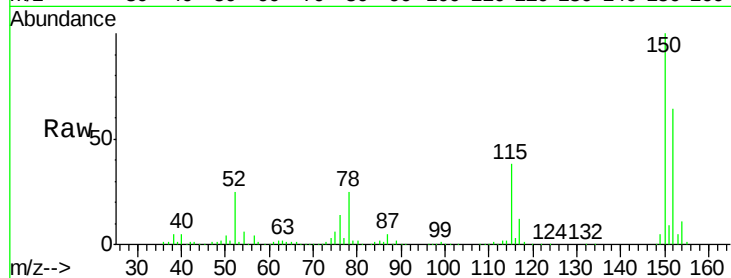
Tgt Ion:152 Resp: 187007

Ion Ratio Lower Upper

152 100

150 155.4 125.8 188.6

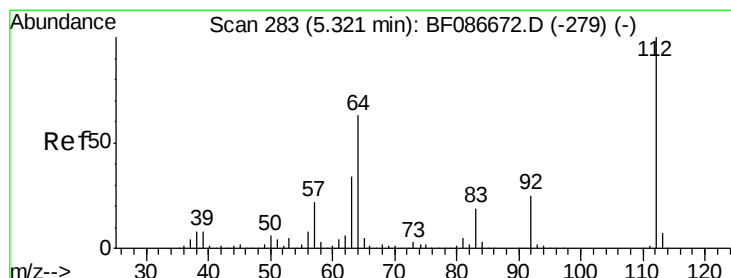
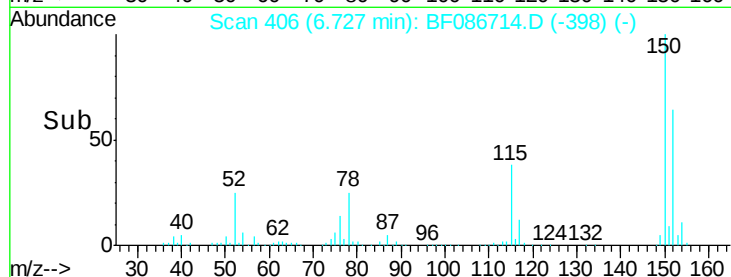
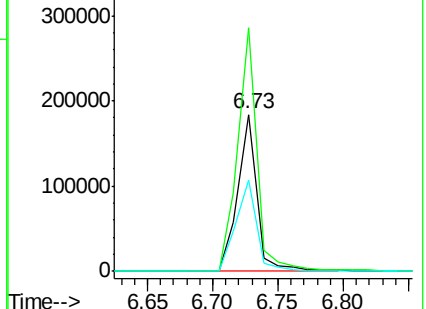
115 58.6 51.5 77.3



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: 113.69 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

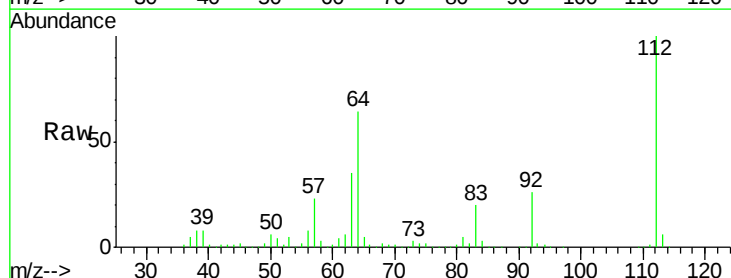
Tgt Ion:112 Resp: 1284306

Ion Ratio Lower Upper

112 100

64 64.5 52.1 78.1

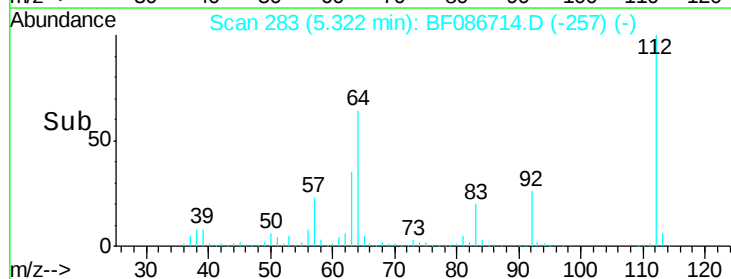
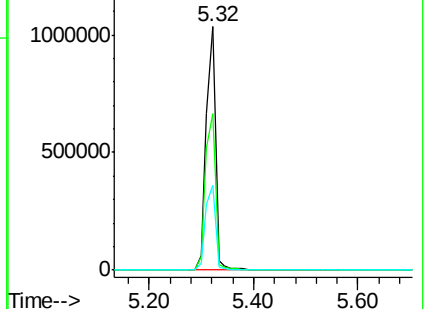
63 34.9 25.7 38.5

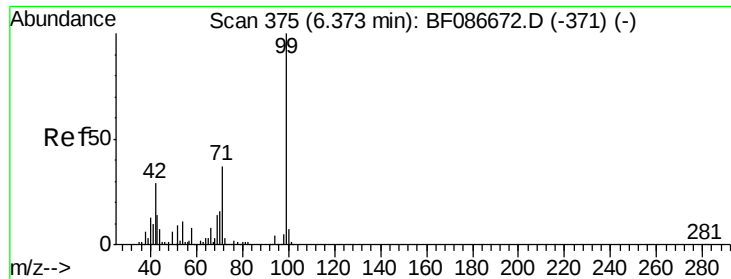


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.22 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B12(0-8.5)-C

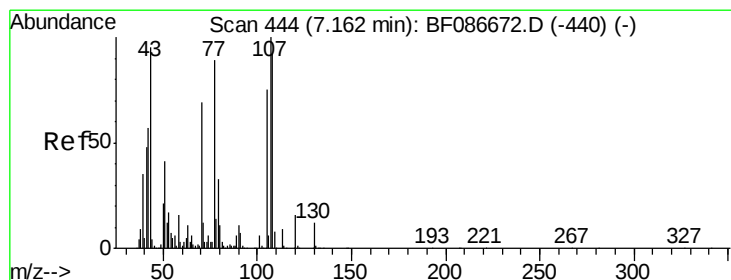
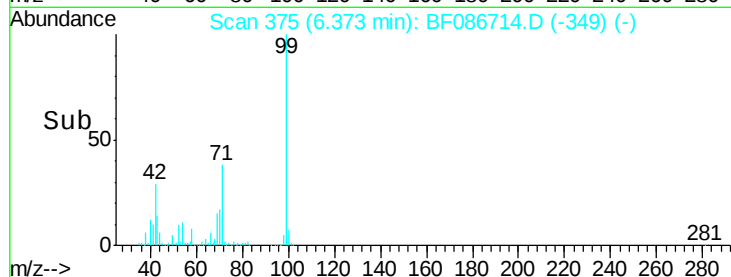
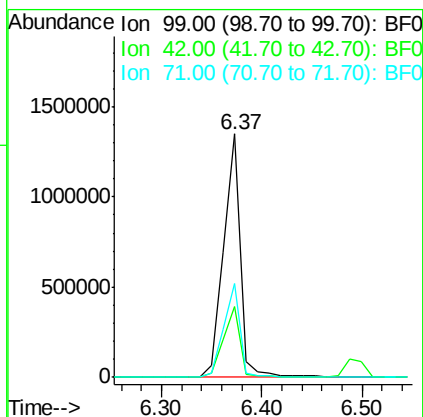
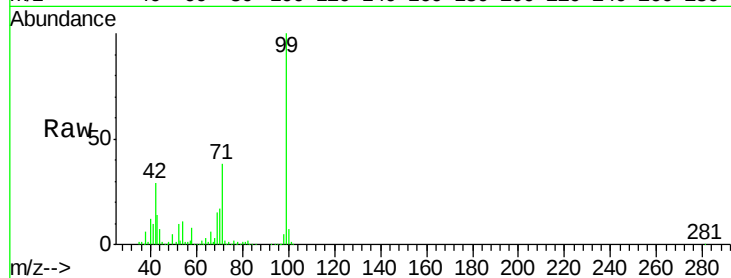
Tgt Ion: 99 Resp: 1570654

Ion Ratio Lower Upper

99 100

42 29.3 13.6 20.4#

71 38.5 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 14.48 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.14 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

Tgt Ion: 70 Resp: 150573

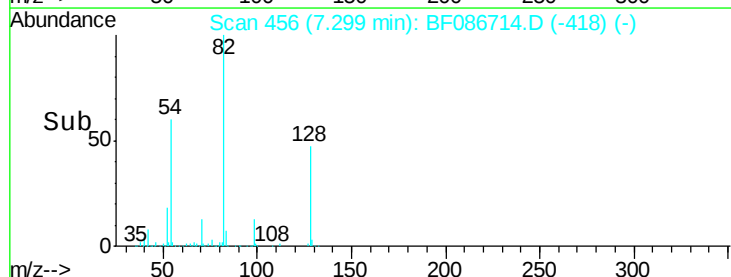
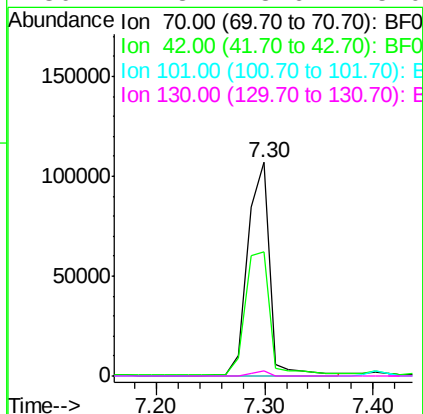
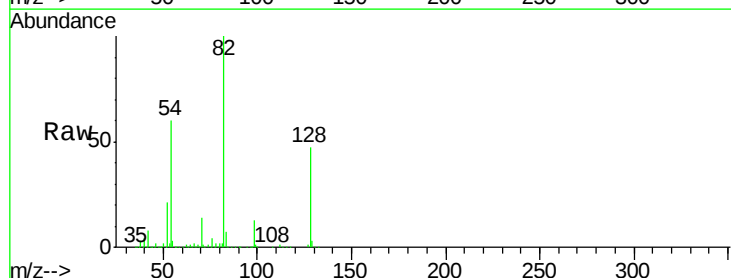
Ion Ratio Lower Upper

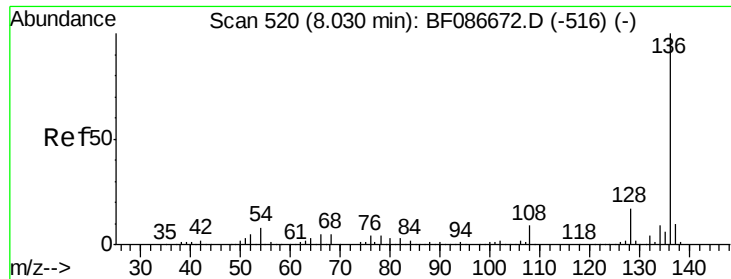
70 100

42 57.9 43.1 64.7

101 0.0 8.1 12.1#

130 2.3 18.6 28.0#

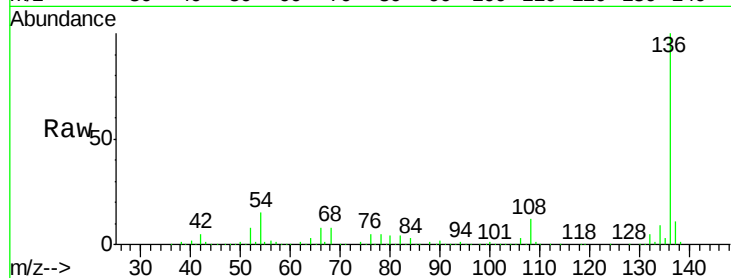




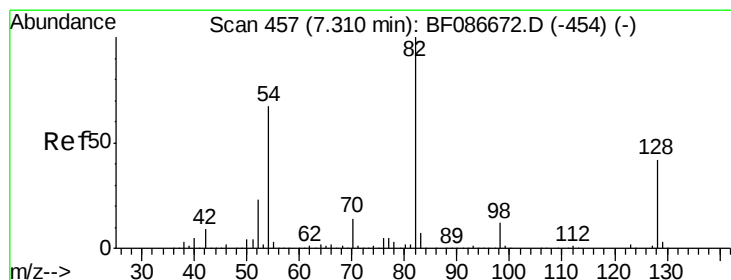
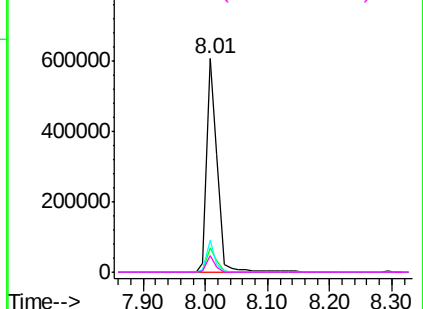
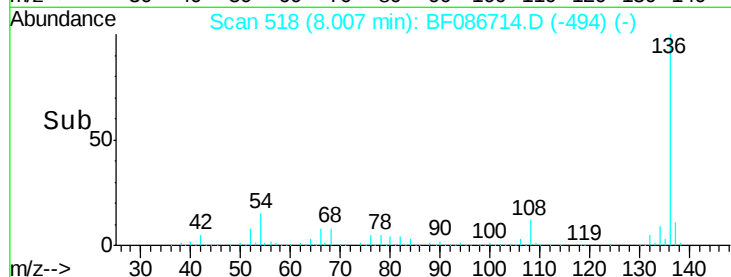
#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF086714.D
Acq: 5 May 2016 19:21

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B12(0-8.5)-C

Tgt Ion:	136	Resp:	720069
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	14.8	5.0	7.4#
68	8.0	4.4	6.6#

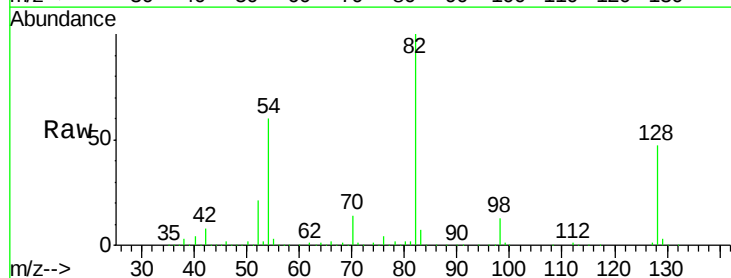


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

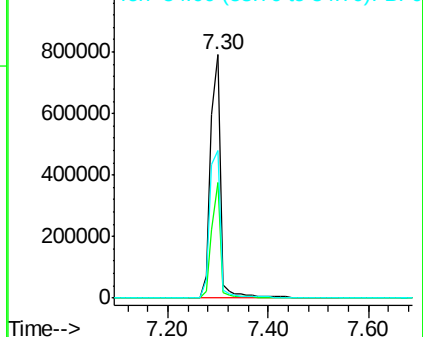
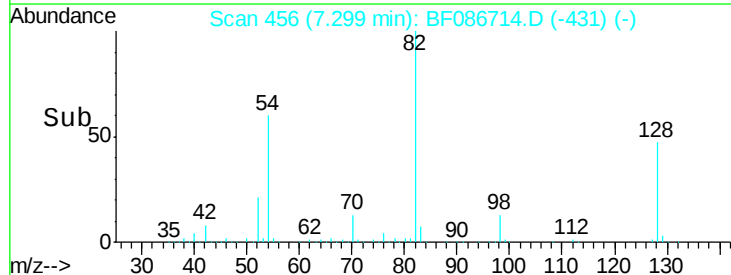


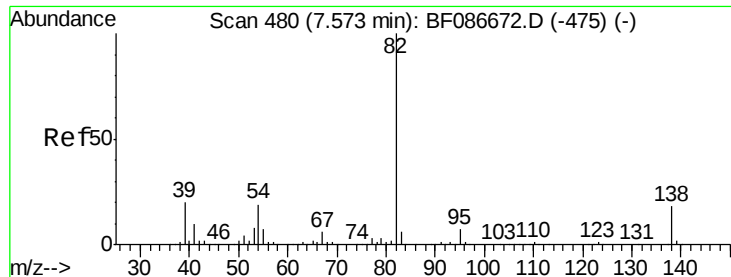
#23
Nitrobenzene-d5
Concen: 79.96 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF086714.D
Acq: 5 May 2016 19:21

Tgt Ion:	82	Resp:	1120463
Ion	Ratio	Lower	Upper
82	100		
128	47.3	40.6	61.0
54	60.5	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: 40.53 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.27 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B12(0-8.5)-C

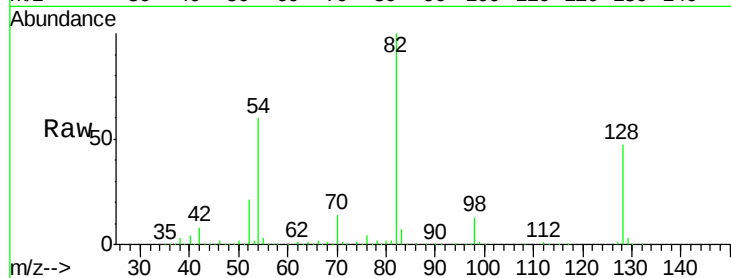
Tgt Ion: 82 Resp: 1057751

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

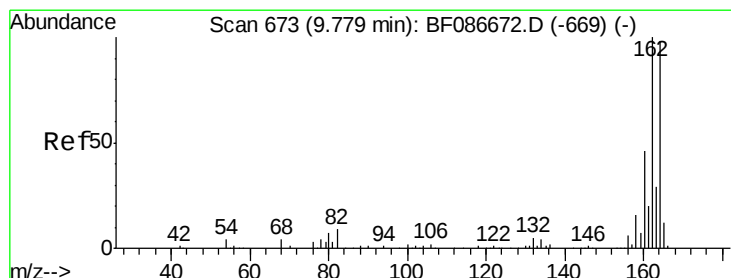
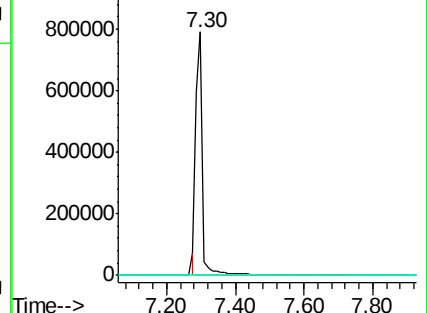
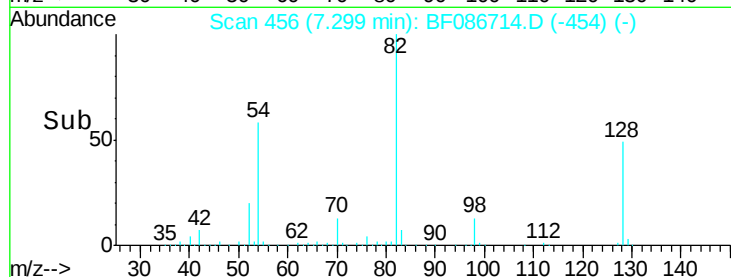
138 0.0 12.4 18.6#



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



#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.02 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

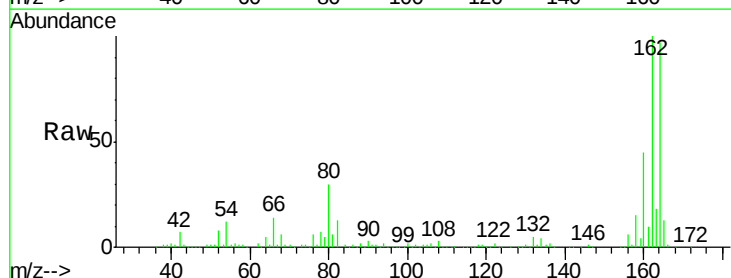
Tgt Ion: 164 Resp: 331920

Ion Ratio Lower Upper

164 100

162 103.3 82.8 124.2

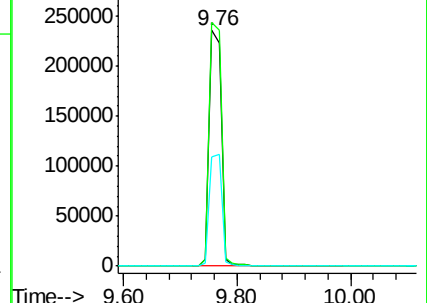
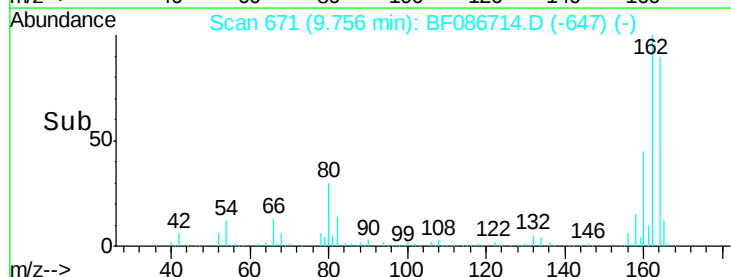
160 46.5 36.9 55.3

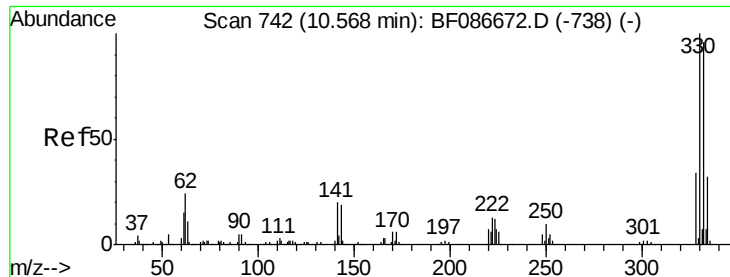


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

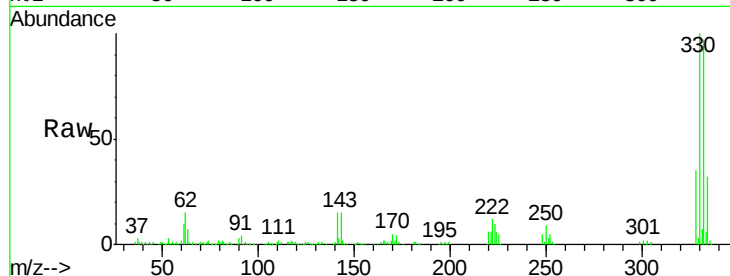




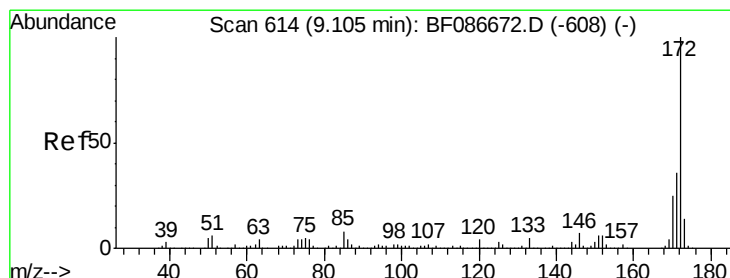
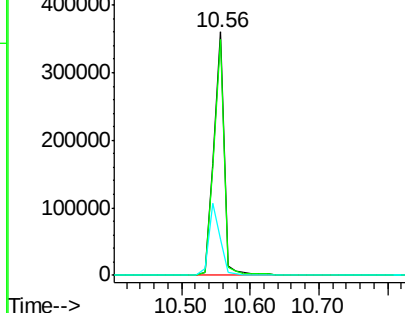
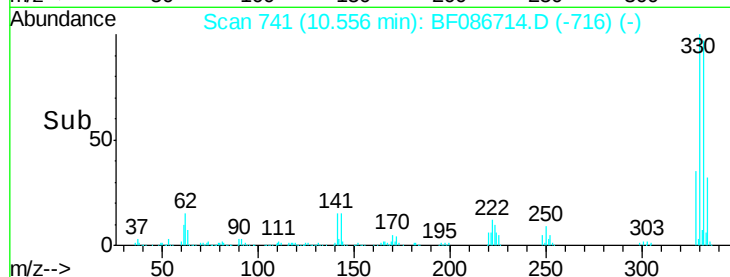
#41
 2,4,6-Tribromophenol
 Concen: 119.59 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF086714.D
 Acq: 5 May 2016 19:21

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B12(0-8.5)-C

Tgt Ion:330 Resp: 388302
 Ion Ratio Lower Upper
 330 100
 332 97.2 79.0 118.4
 141 32.0 31.2 46.8

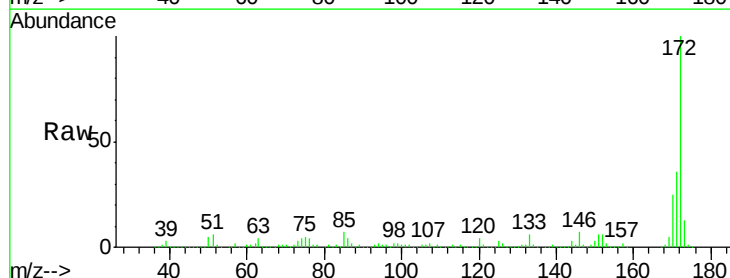


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

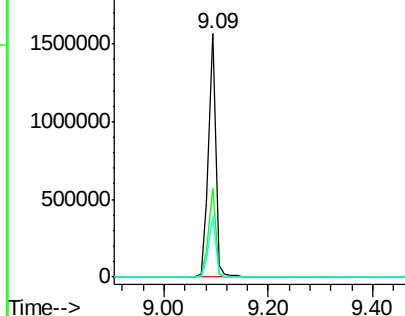
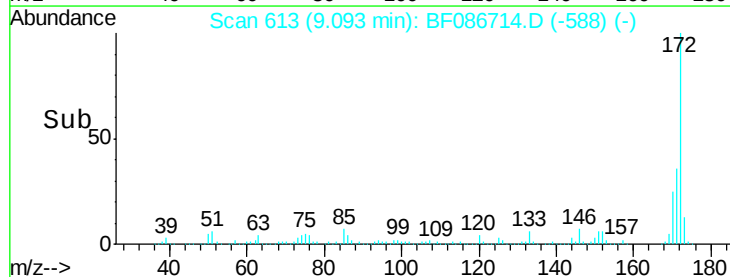


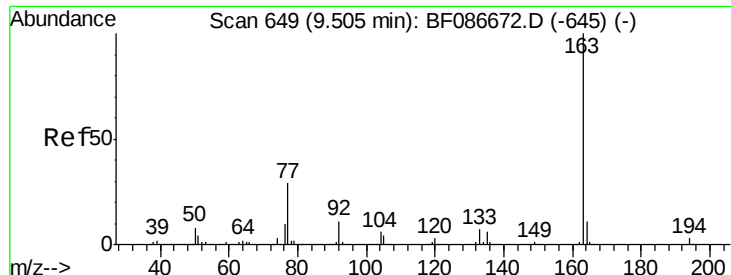
#44
 2-Fluorobiphenyl
 Concen: 75.57 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF086714.D
 Acq: 5 May 2016 19:21

Tgt Ion:172 Resp: 1530184
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.0 43.6
 170 24.8 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

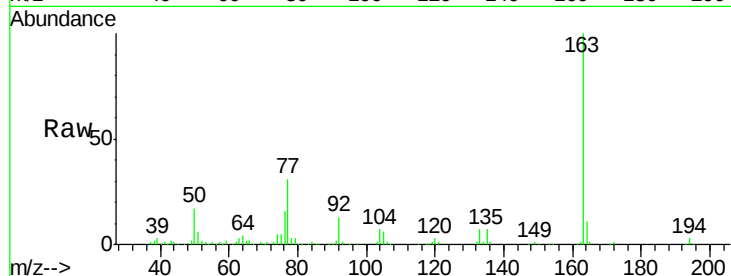




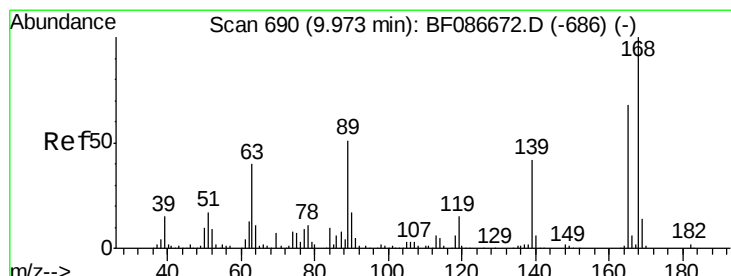
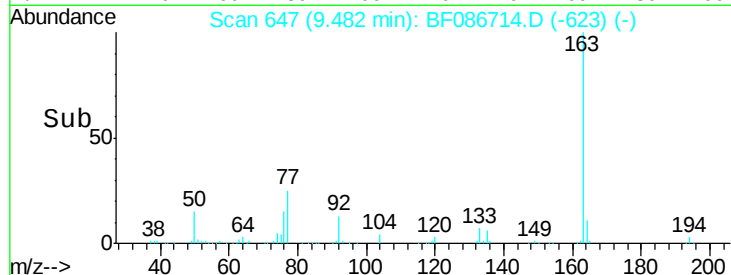
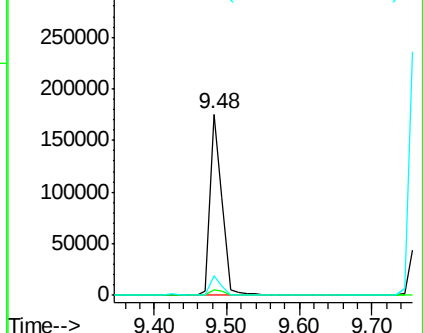
#49
Dimethylphthalate
Concen: 8.02 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF086714.D
Acq: 5 May 2016 19:21

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B12(0-8.5)-C

Tgt Ion:163 Resp: 198424
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.6 8.2 12.4

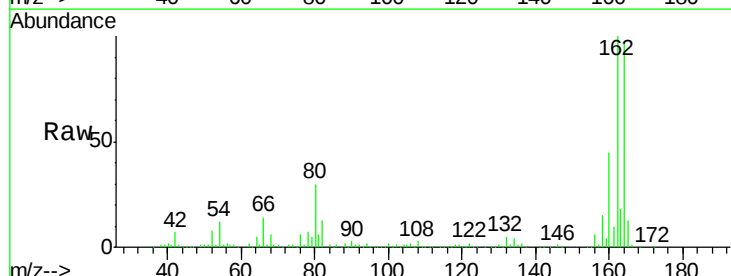


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

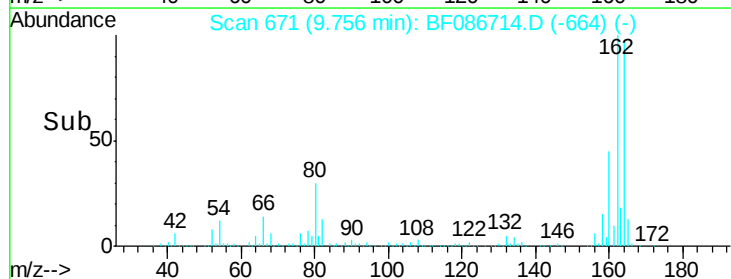
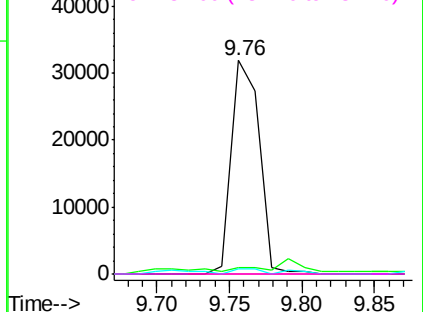


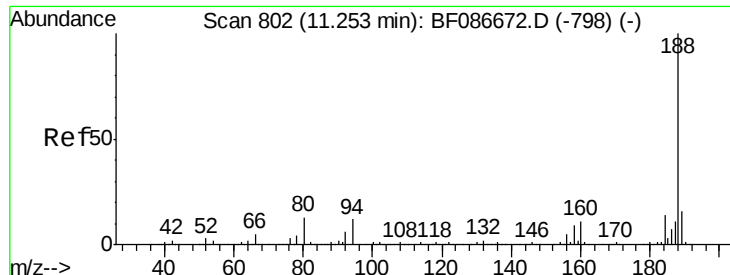
#56
2,4-Dinitrotoluene
Concen: 6.47 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.22 min
Lab File: BF086714.D
Acq: 5 May 2016 19:21

Tgt Ion:165 Resp: 42558
Ion Ratio Lower Upper
165 100
63 2.8 44.3 66.5#
89 2.2 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

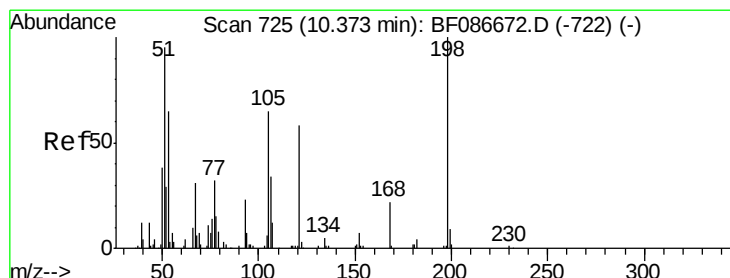
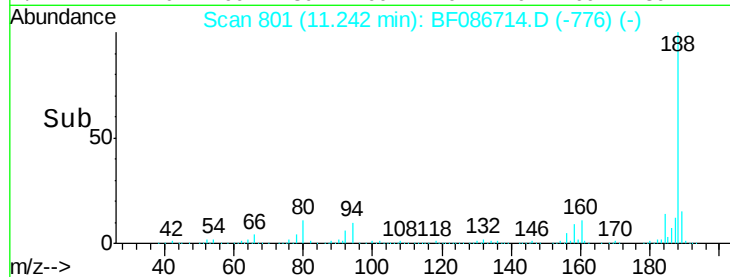
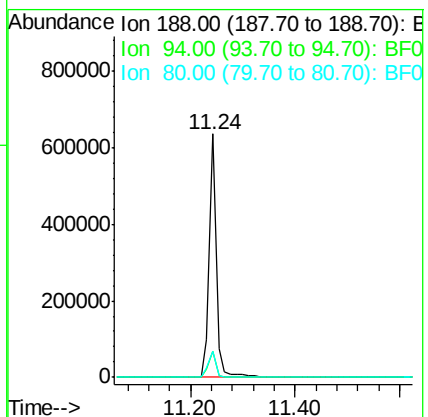
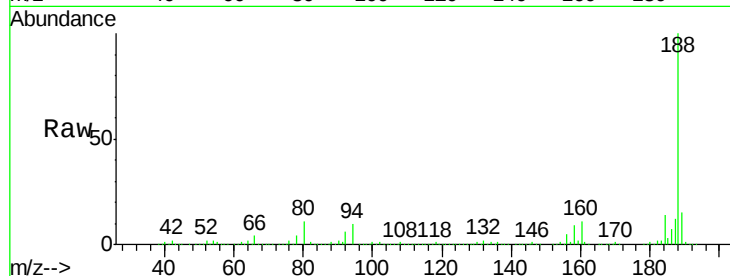




#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF086714.D
Acq: 5 May 2016 19:21

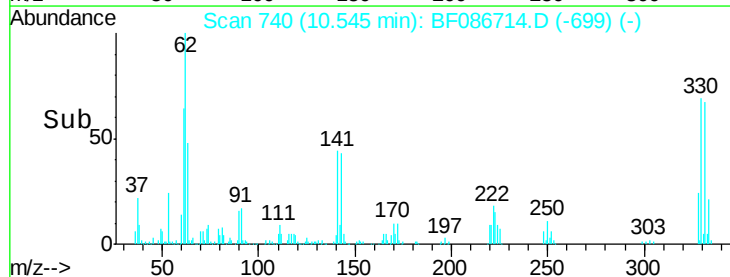
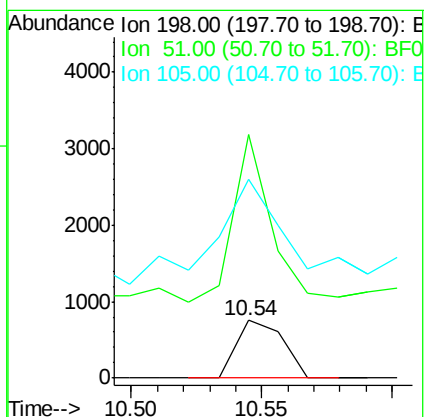
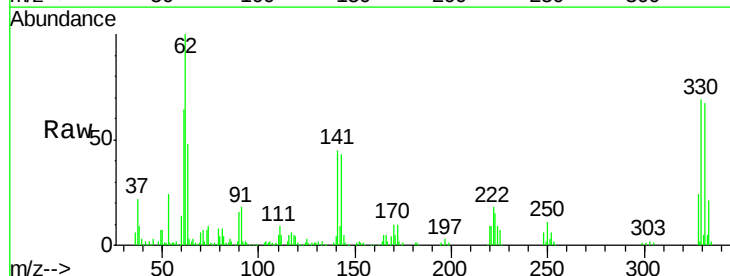
Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B12(0-8.5)-C

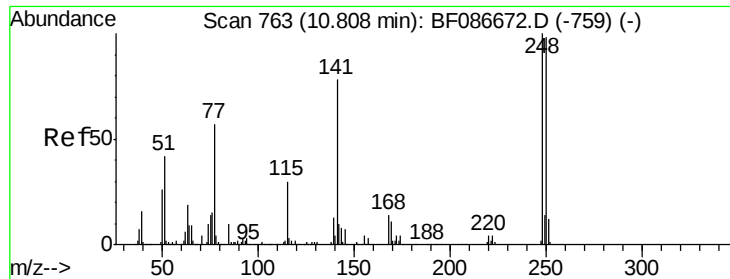
Tgt Ion:188 Resp: 598144
Ion Ratio Lower Upper
188 100
94 10.5 6.8 10.2#
80 10.8 7.1 10.7#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.56 ng
RT: 10.54 min Scan# 740
Delta R.T. 0.17 min
Lab File: BF086714.D
Acq: 5 May 2016 19:21

Tgt Ion:198 Resp: 934
Ion Ratio Lower Upper
198 100
51 421.3 20.5 60.5#
105 345.1 24.5 64.5#

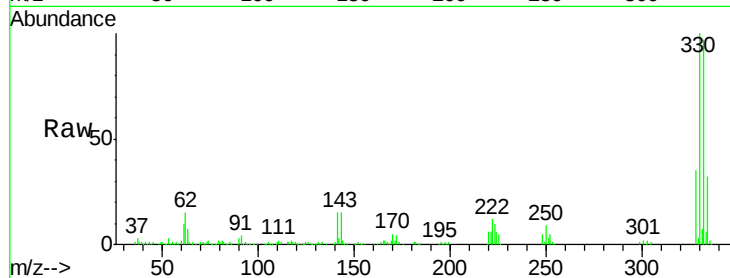




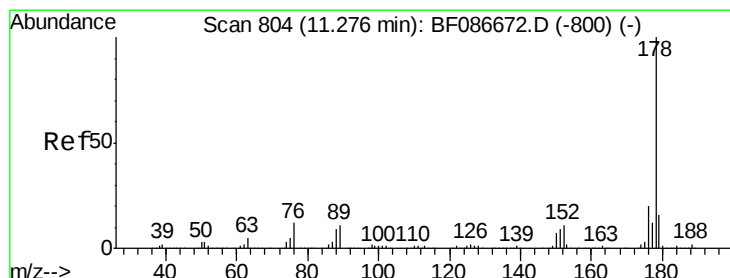
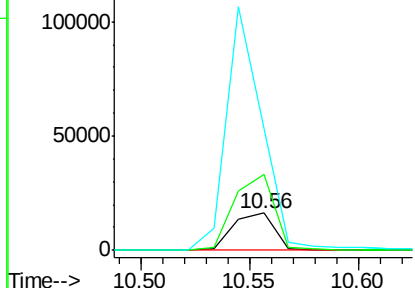
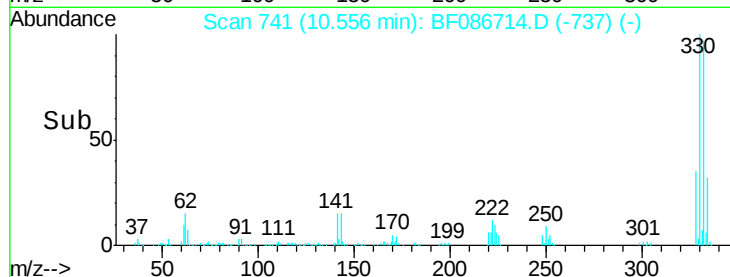
#66
 4-Bromophenyl-phenylether
 Concen: 3.58 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.25 min
 Lab File: BF086714.D
 Acq: 5 May 2016 19:21

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B12(0-8.5)-C

Tgt Ion:248 Resp: 21261
 Ion Ratio Lower Upper
 248 100
 250 205.4 78.6 117.8#
 141 326.3 76.0 114.0#

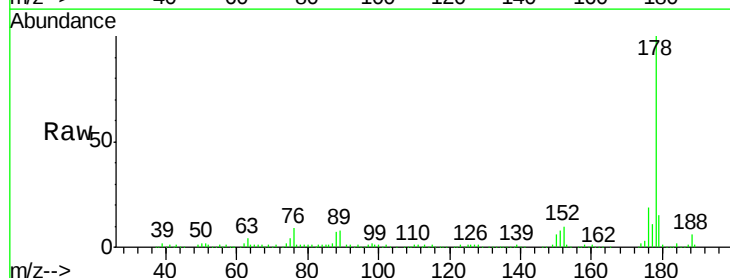


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

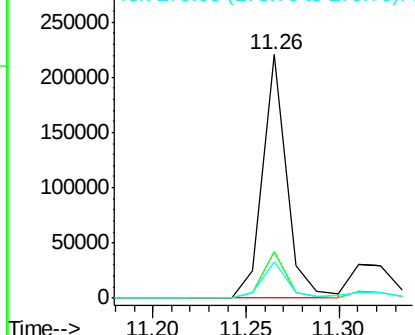
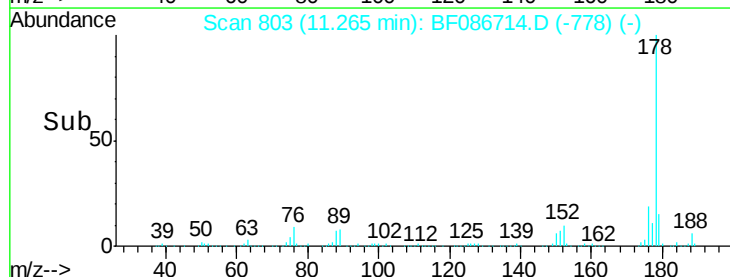


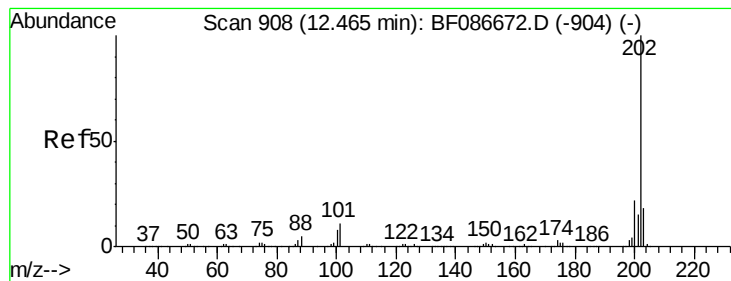
#70
 Phenanthrene
 Concen: 6.09 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF086714.D
 Acq: 5 May 2016 19:21

Tgt Ion:178 Resp: 195654
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.0 24.0
 179 15.0 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: 9.93 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B12(0-8.5)-C

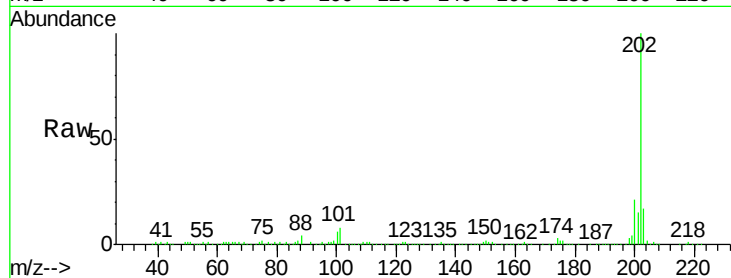
Tgt Ion: 202 Resp: 319865

Ion Ratio Lower Upper

202 100

101 8.4 0.0 35.4

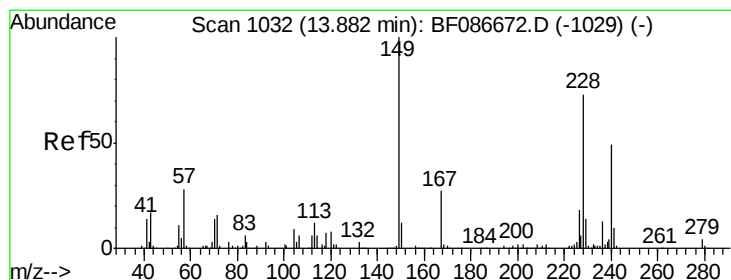
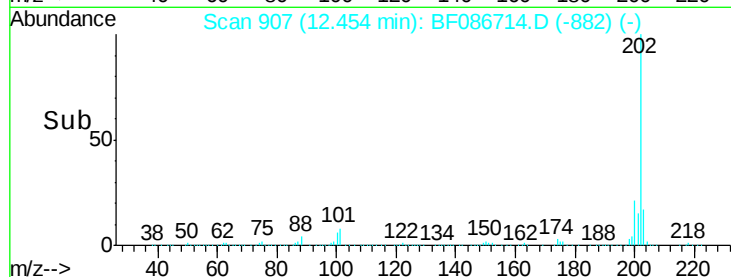
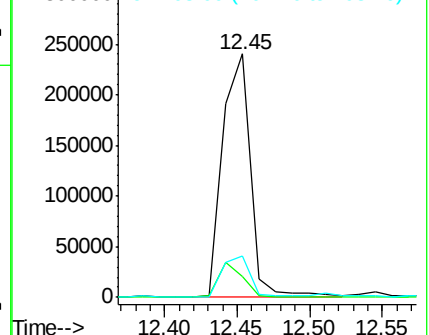
203 17.0 0.0 38.1



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: 13.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

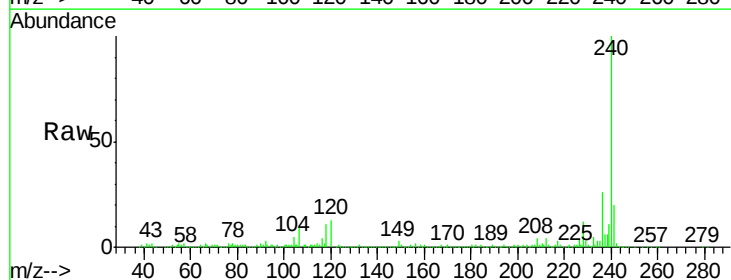
Tgt Ion: 240 Resp: 367059

Ion Ratio Lower Upper

240 100

120 13.2 11.2 16.8

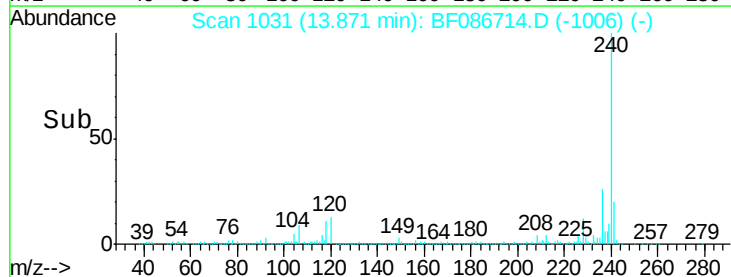
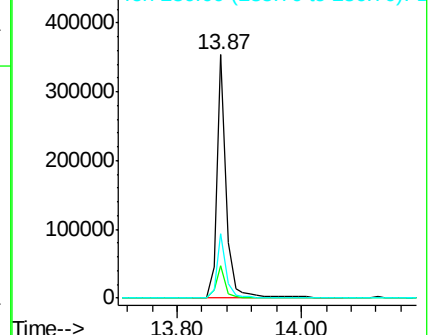
236 26.4 21.2 31.8

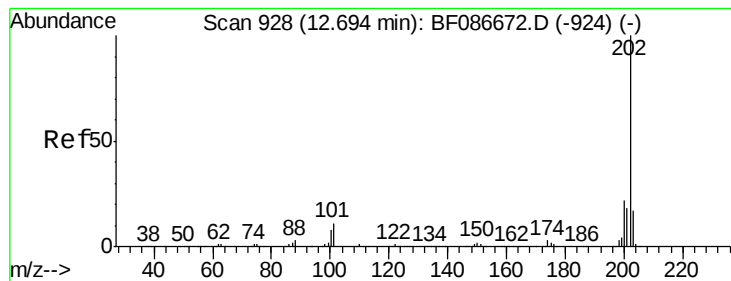


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 9.54 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B12(0-8.5)-C

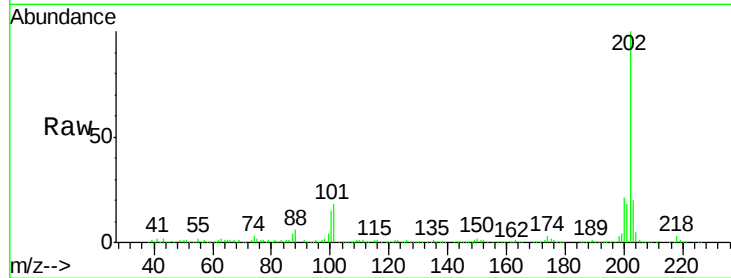
Tgt Ion:202 Resp: 279216

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

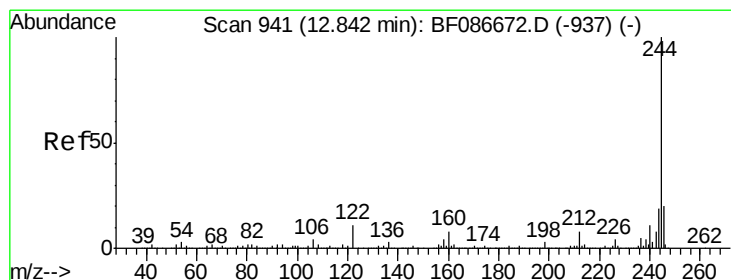
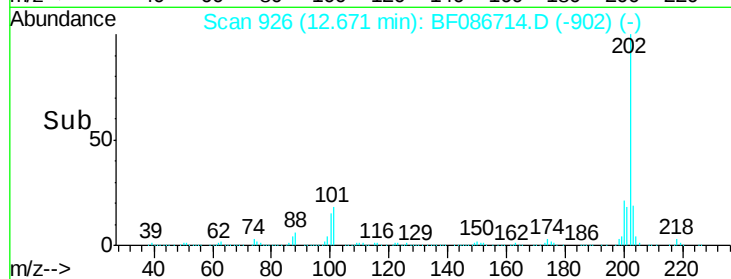
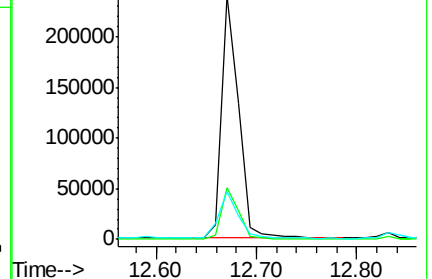
203 19.6 14.2 21.4



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: 63.62 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

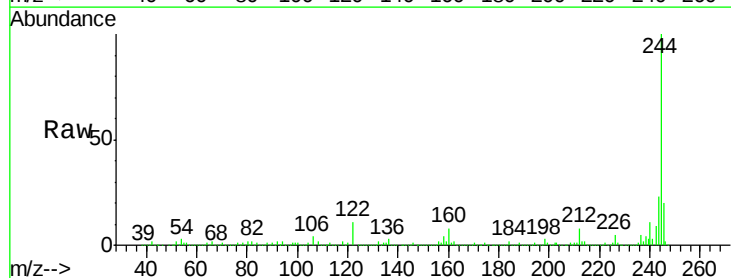
Tgt Ion:244 Resp: 1155519

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

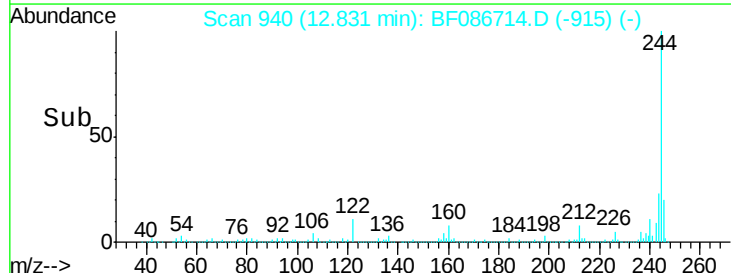
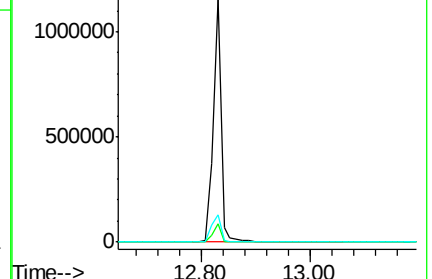
122 11.1 12.0 18.0#

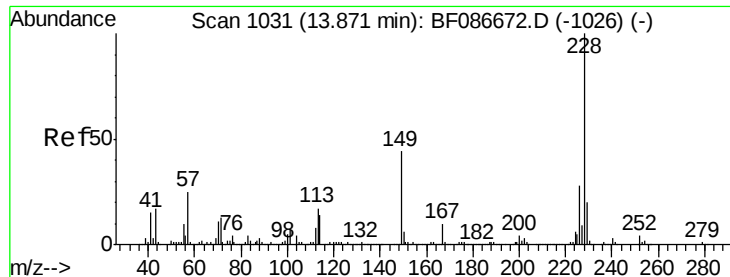


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.72 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B12(0-8.5)-C

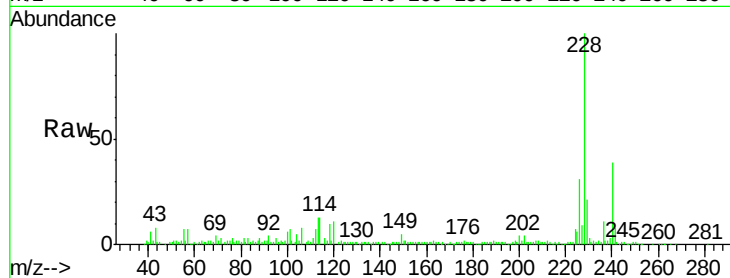
Tgt Ion:228 Resp: 139448

Ion Ratio Lower Upper

228 100

226 30.5 22.5 33.7

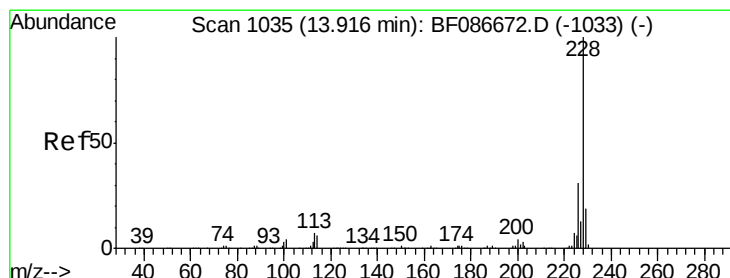
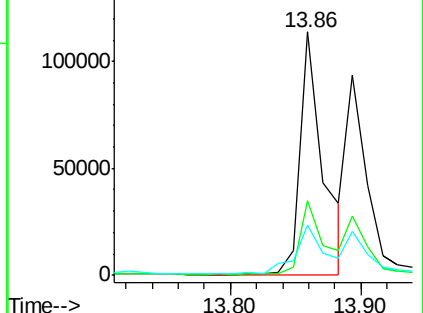
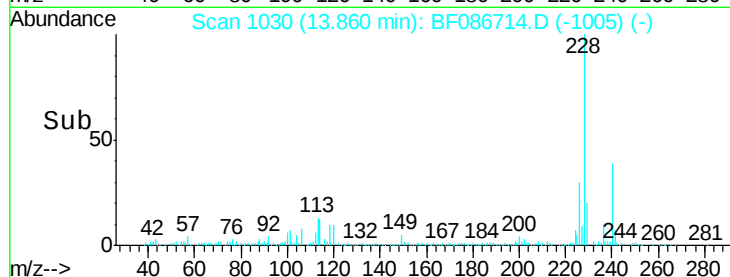
229 20.8 16.6 25.0



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: 6.30 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.06 min

Lab File: BF086714.D

Acq: 5 May 2016 19:21

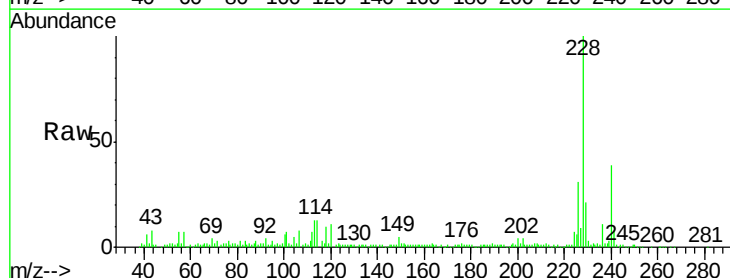
Tgt Ion:228 Resp: 139448

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

229 20.8 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

