

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
 Data File : BF086718.D
 Acq On : 5 May 2016 21:16
 Operator : UM/SJ
 Sample : H2829-17
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TP-B8(0-4.5)-C

Quant Time: May 06 01:15:41 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	194432	40.00	ng	-0.01
21) Naphthalene-d8	8.01	136	746720	40.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	335487	40.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	556155	40.00	ng	-0.01
75) Chrysene-d12	13.87	240	372301	40.00	ng	-0.01
86) Perylene-d12	15.27	264	364956	40.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	1123313	95.64	ng	0.00
7) Phenol-d6	6.37	99	1320091	83.44	ng	0.00
23) Nitrobenzene-d5	7.30	82	1033063	71.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	330526	100.71	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1394124	68.12	ng	-0.01
78) Terphenyl-d14	12.83	244	1028223	55.82	ng	-0.01

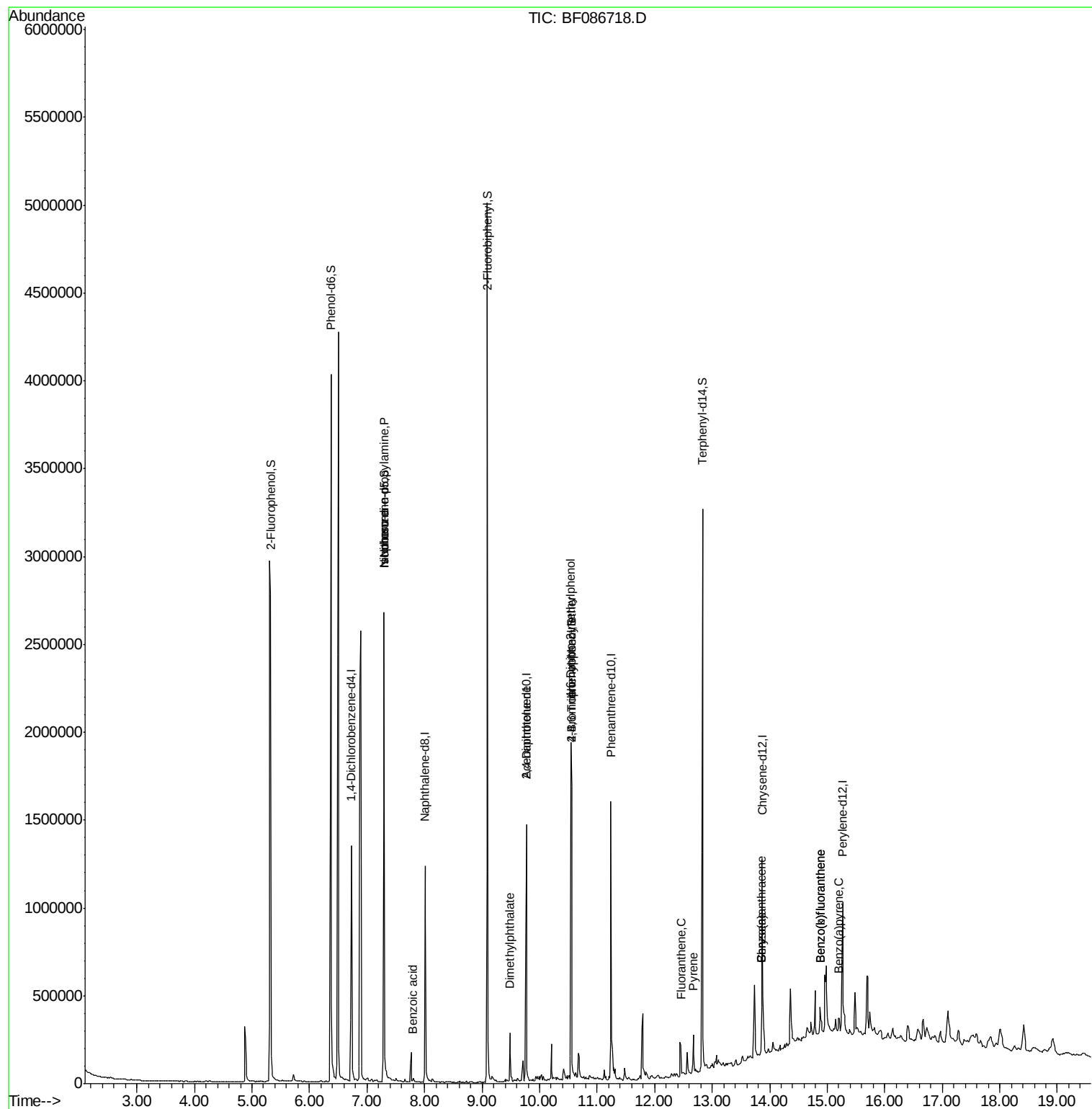
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	143800	13.30	ng	# 79
25) Isophorone	7.30	82	976786	36.10	ng	# 68
32) Benzoic acid	7.80	122	2695	8.90	ng	# 34
49) Dimethylphthalate	9.48	163	124210	4.97	ng	99
56) 2,4-Dinitrotoluene	9.77	165	42844	6.44	ng	# 16
64) 4,6-Dinitro-2-methylphenol	10.54	198	733	5.51	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	19022	3.44	ng	# 1
74) Fluoranthene	12.45	202	106009	3.54	ng	92
77) Pyrene	12.67	202	101899	3.43	ng	97
80) Benzo(a)anthracene	13.86	228	57046	2.71	ng	92
82) Chrysene	13.86	228	57046	2.54	ng	94
87) Benzo(b)fluoranthene	14.88	252	105783	4.82	ng	99
88) Benzo(k)fluoranthene	14.88	252	105783	5.12	ng	# 96
89) Benzo(a)pyrene	15.21	252	49404	2.45	ng	# 92

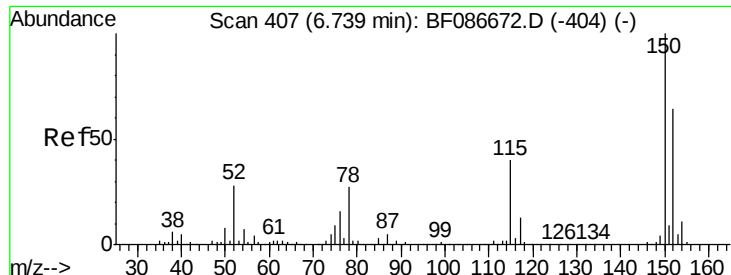
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086718.D

Acq: 5 May 2016 21:16

Instrument :

BNA_F

ClientSampleId :

EUT01-TP-B8(0-4.5)-C

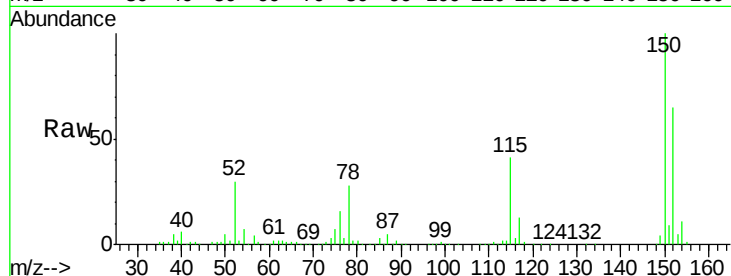
Tgt Ion:152 Resp: 194432

Ion Ratio Lower Upper

152 100

150 154.6 125.8 188.6

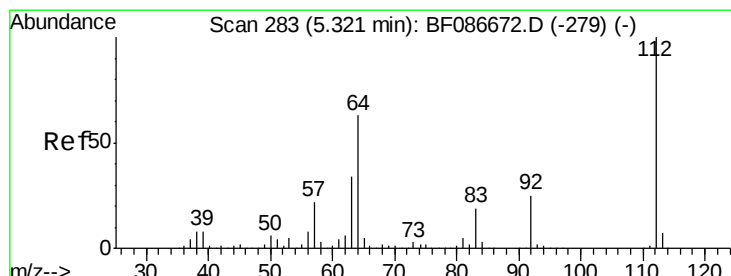
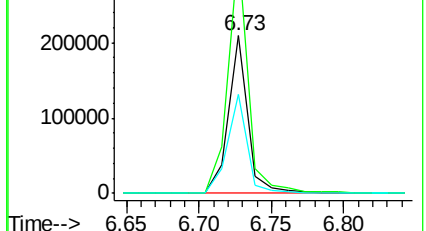
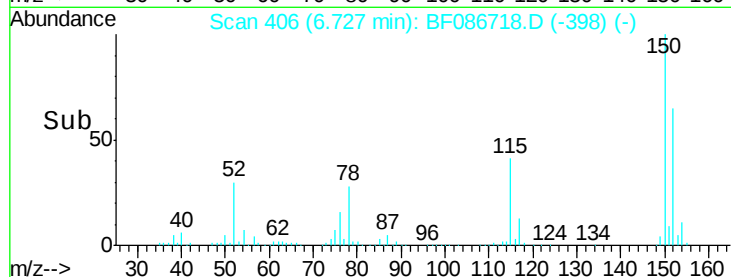
115 63.0 51.5 77.3



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: 95.64 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086718.D

Acq: 5 May 2016 21:16

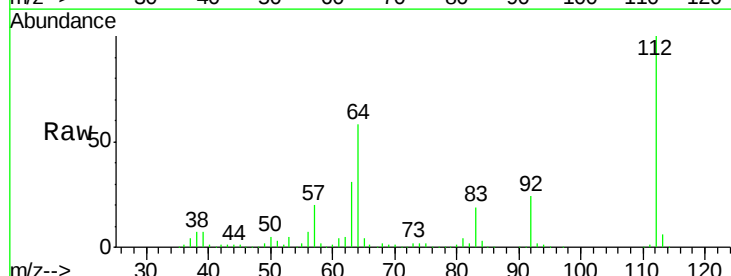
Tgt Ion:112 Resp: 1123313

Ion Ratio Lower Upper

112 100

64 57.9 52.1 78.1

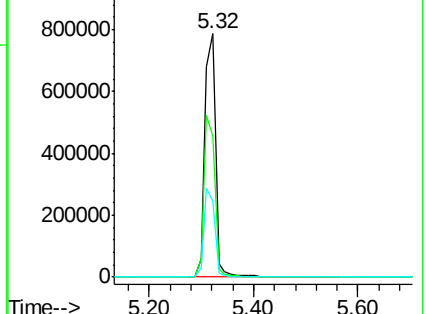
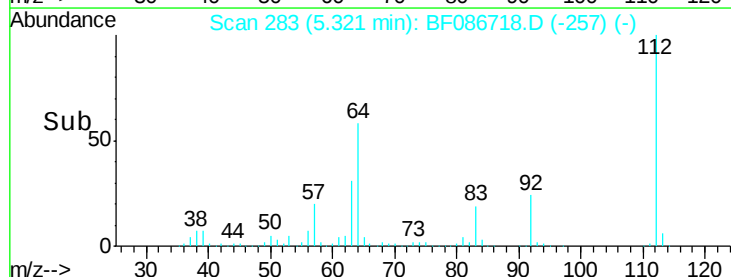
63 31.2 25.7 38.5

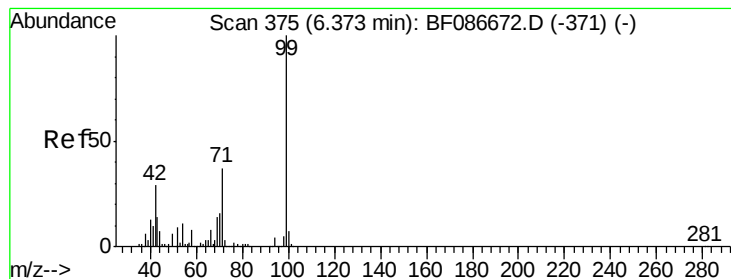


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 83.44 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086718.D

Acq: 5 May 2016 21:16

Instrument :

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ClientSampleId :

EUT01-TP-B8(0-4.5)-C

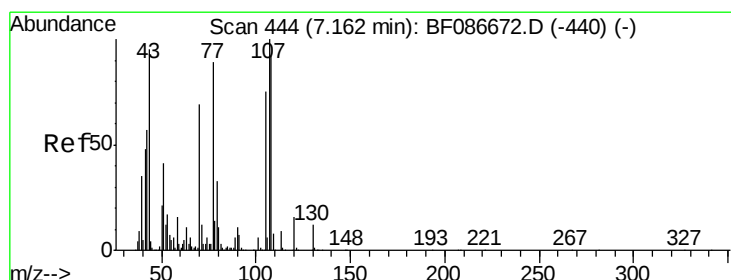
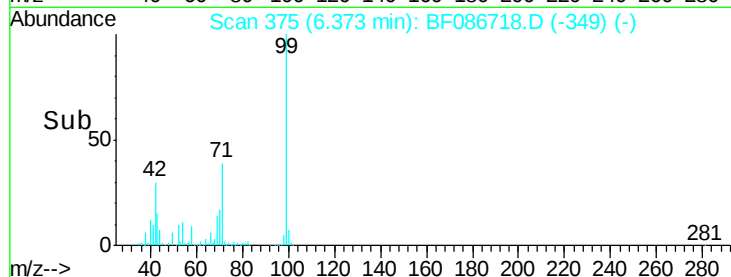
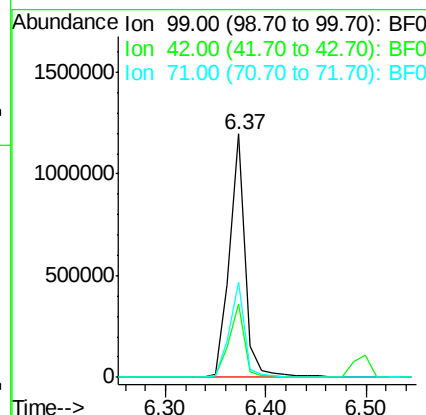
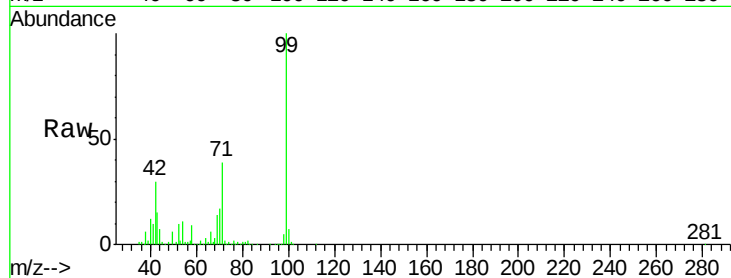
Tgt Ion: 99 Resp: 1320091

Ion Ratio Lower Upper

99 100

42 30.3 13.6 20.4#

71 39.3 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 13.30 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.14 min

Lab File: BF086718.D

Acq: 5 May 2016 21:16

Tgt Ion: 70 Resp: 143800

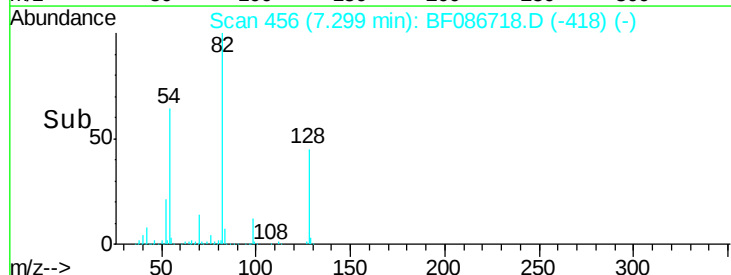
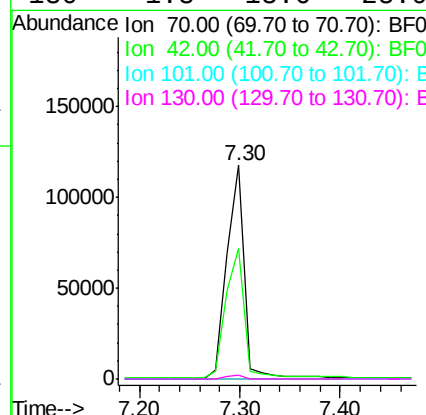
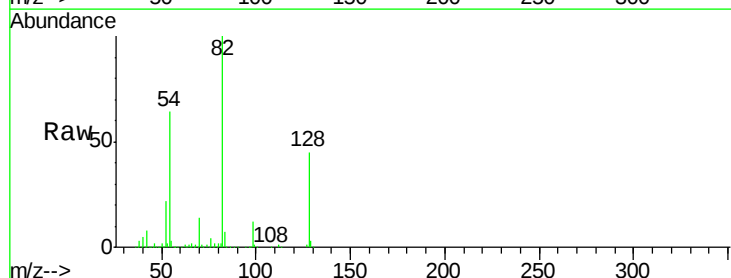
Ion Ratio Lower Upper

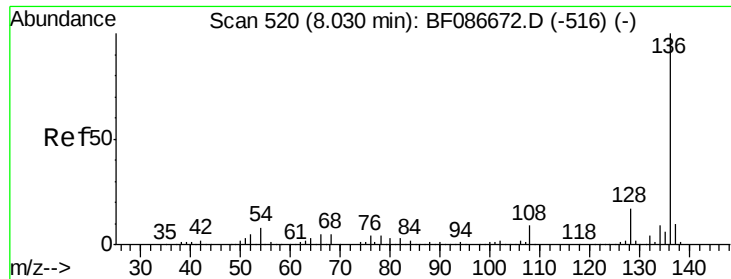
70 100

42 60.8 43.1 64.7

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

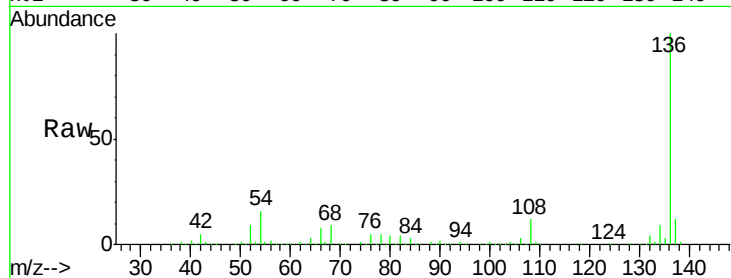




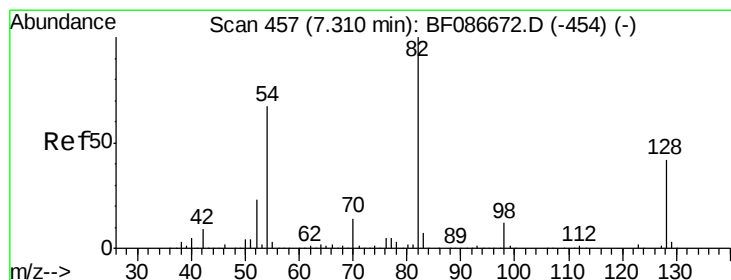
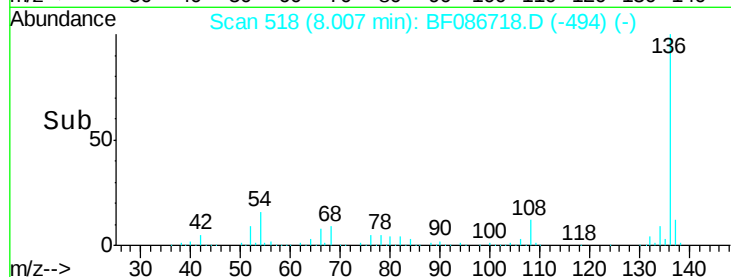
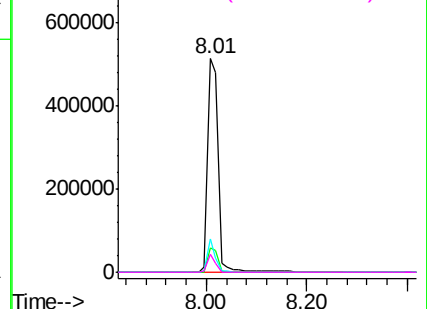
#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Instrument :
BNA_F
ClientSampleId :
EUT01-TP-B8(0-4.5)-C

Tgt Ion:	136	Resp:	746720
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	15.7	5.0	7.4#
68	8.6	4.4	6.6#

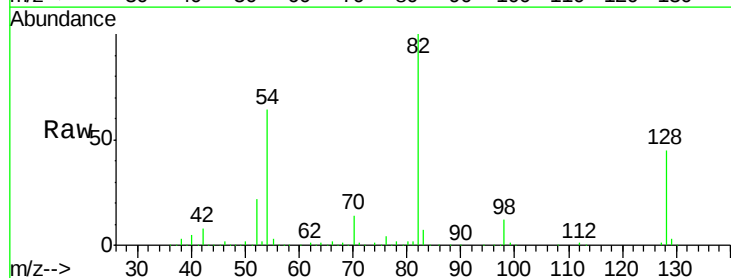


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

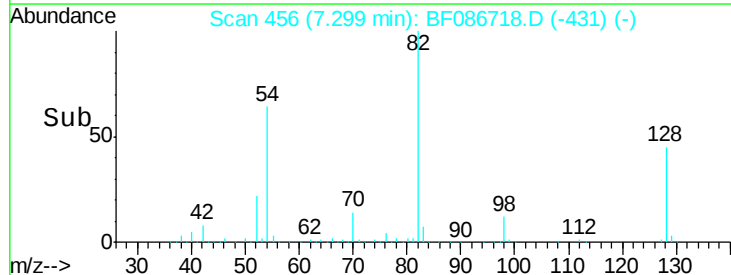
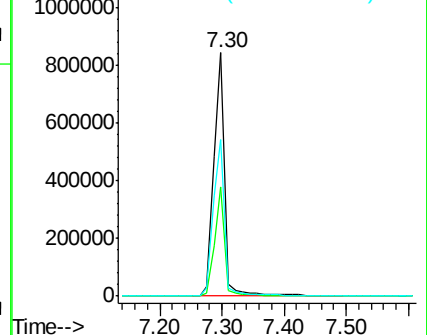


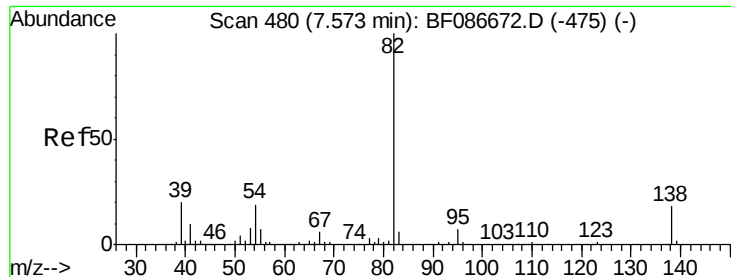
#23
Nitrobenzene-d5
Concen: 71.09 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Tgt Ion:	82	Resp:	1033063
Ion	Ratio	Lower	Upper
82	100		
128	44.7	40.6	61.0
54	64.2	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: 36.10 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.27 min

Lab File: BF086718.D

Acq: 5 May 2016 21:16

Instrument :

BNA_F

ClientSampleId :

EUT01-TP-B8(0-4.5)-C

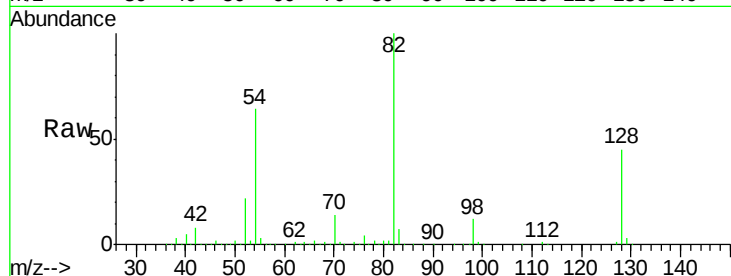
Tgt Ion: 82 Resp: 976786

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

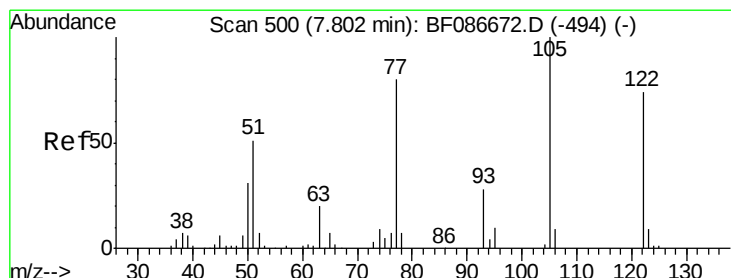
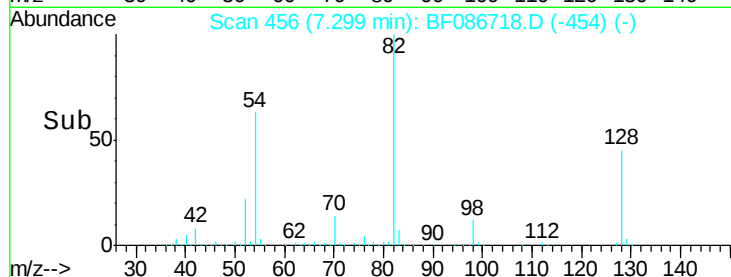
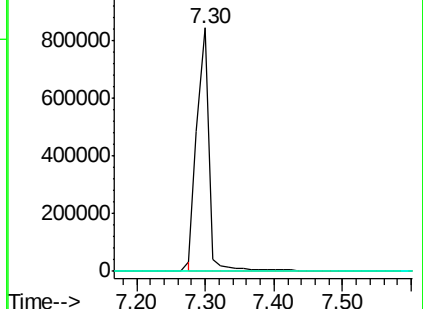
138 0.0 12.4 18.6#



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



#32

Benzoic acid

Concen: 8.90 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF086718.D

Acq: 5 May 2016 21:16

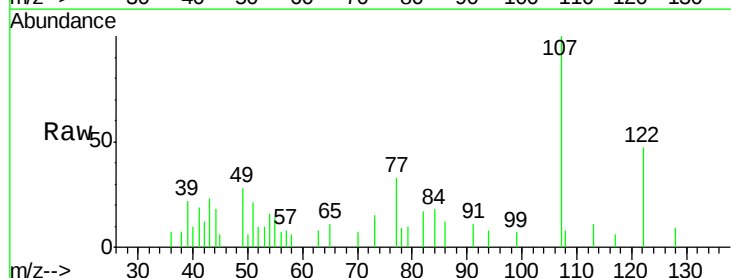
Tgt Ion: 122 Resp: 2695

Ion Ratio Lower Upper

122 100

105 0.0 92.6 132.6#

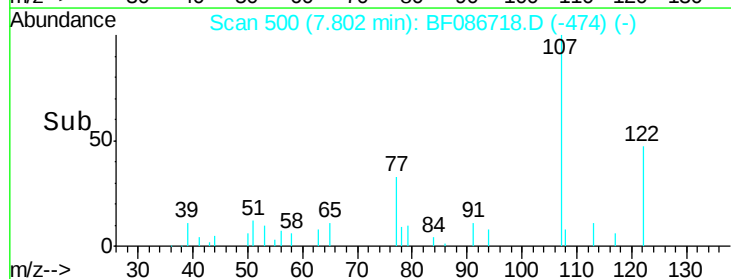
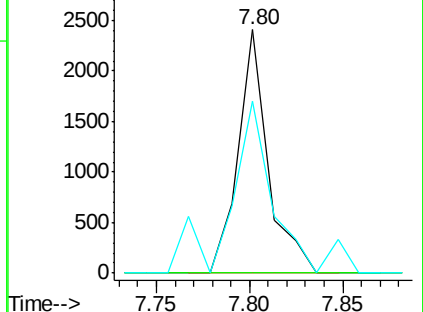
77 70.5 60.0 100.0

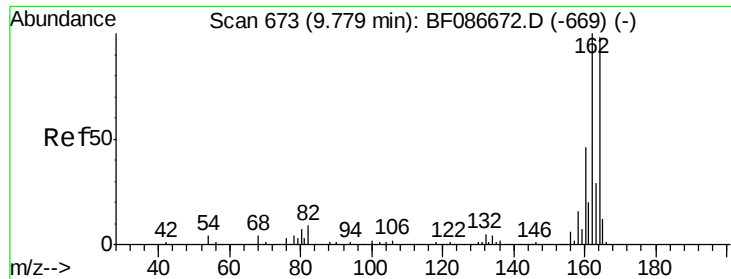


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF086718.D

Acq: 5 May 2016 21:16

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EUT01-TP-B8(0-4.5)-C

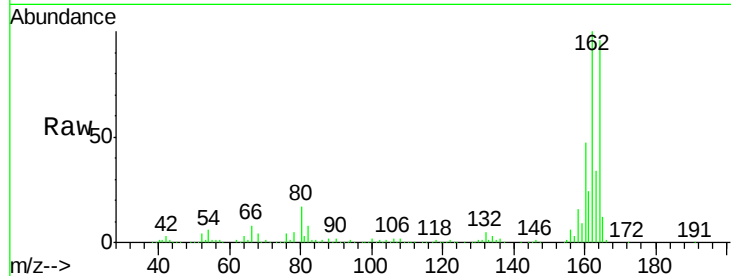
Tgt Ion:164 Resp: 335487

Ion Ratio Lower Upper

164 100

162 104.1 82.8 124.2

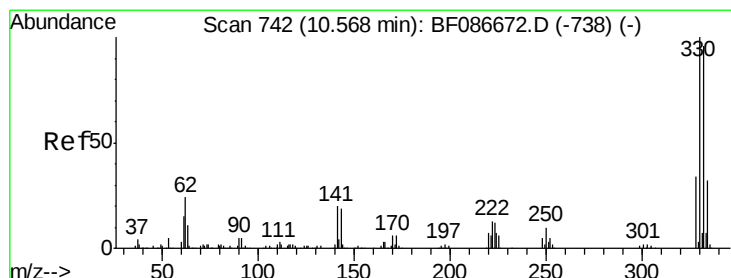
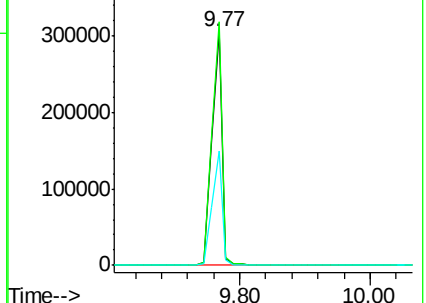
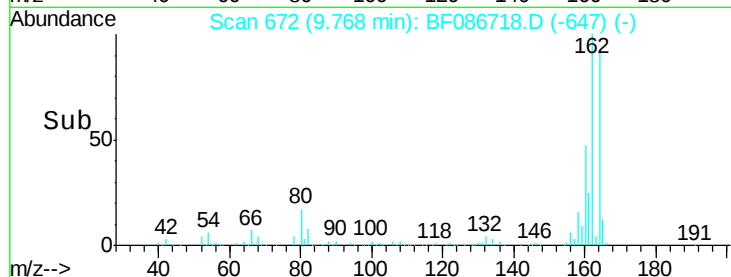
160 48.8 36.9 55.3



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: 100.71 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF086718.D

Acq: 5 May 2016 21:16

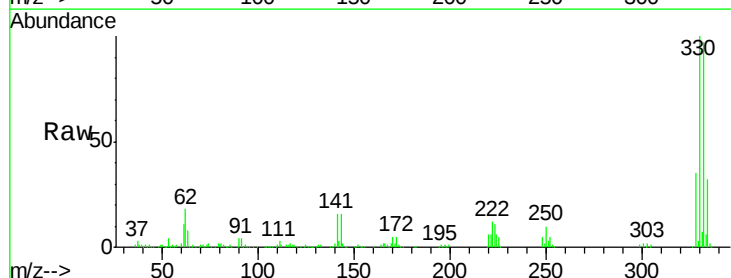
Tgt Ion:330 Resp: 330526

Ion Ratio Lower Upper

330 100

332 96.1 79.0 118.4

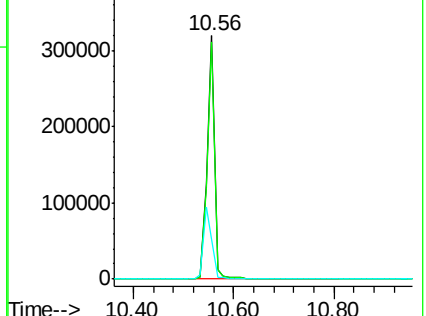
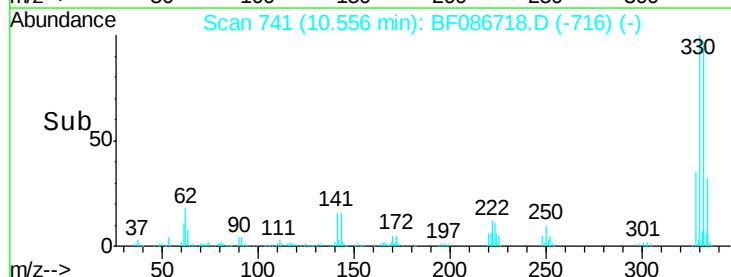
141 33.6 31.2 46.8

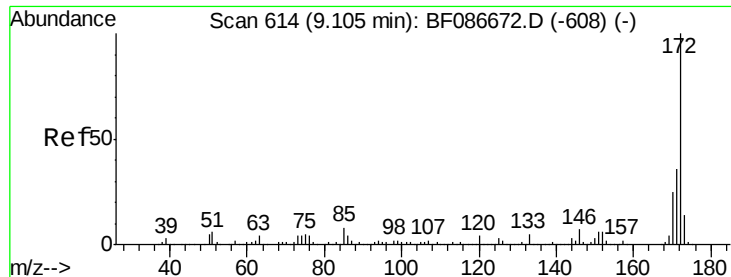


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

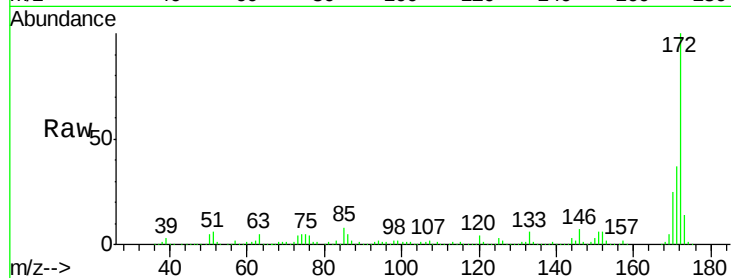




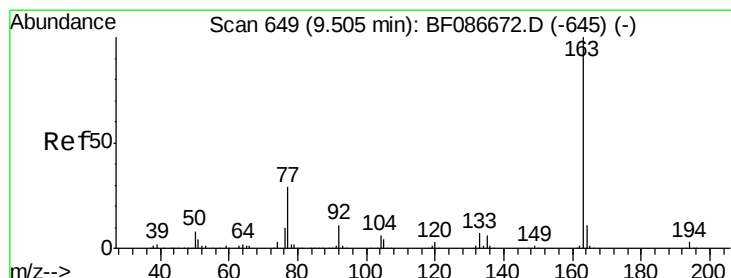
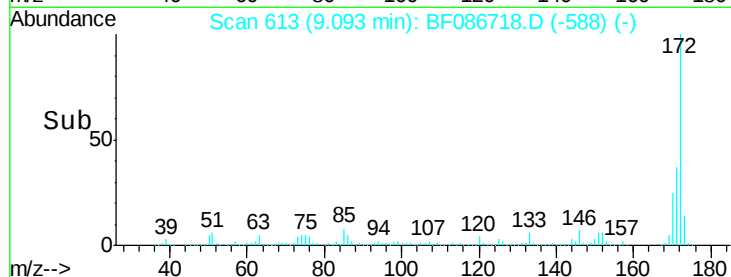
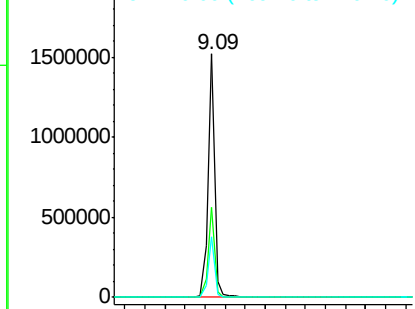
#44
 2-Fluorobiphenyl
 Concen: 68.12 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF086718.D
 Acq: 5 May 2016 21:16

Instrument :
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 EUT01-TP-B8(0-4.5)-C

Tgt Ion:172 Resp: 1394124
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.0 43.6
 170 25.0 19.8 29.8

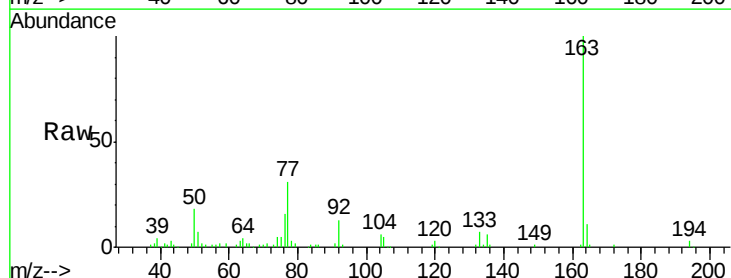


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

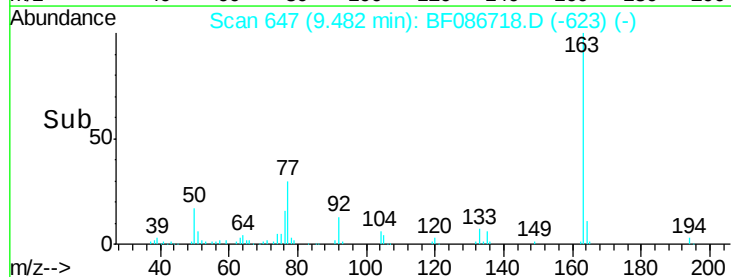
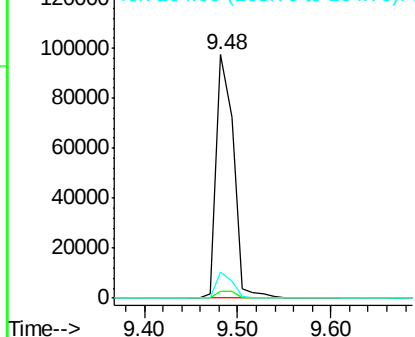


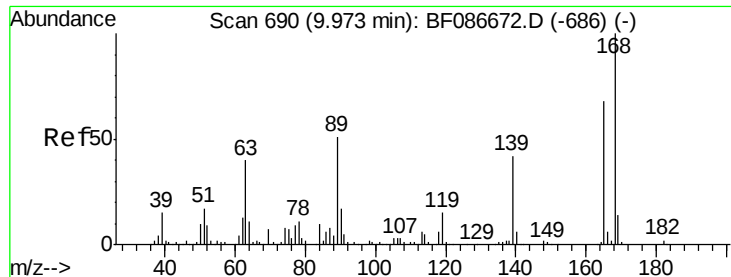
#49
 Dimethylphthalate
 Concen: 4.97 ng
 RT: 9.48 min Scan# 647
 Delta R.T. -0.02 min
 Lab File: BF086718.D
 Acq: 5 May 2016 21:16

Tgt Ion:163 Resp: 124210
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.6 4.0
 164 10.7 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: 6.44 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.21 min

Lab File: BF086718.D

Acq: 5 May 2016 21:16

Instrument :

BNA_F

ClientSampleId :

EUT01-TP-B8(0-4.5)-C

Tgt Ion:165 Resp: 42844

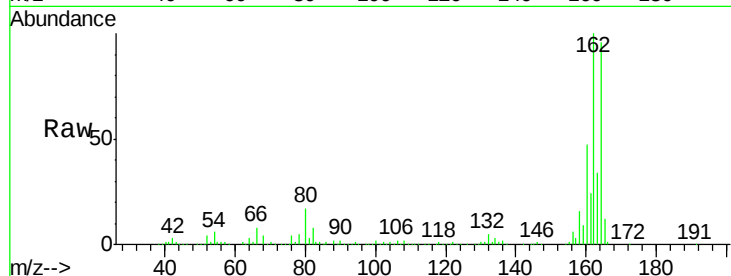
Ion Ratio Lower Upper

165 100

63 2.0 44.3 66.5#

89 2.2 70.0 105.0#

182 0.0 1.8 2.6#

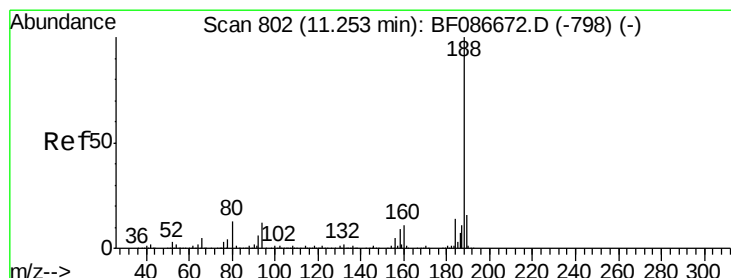
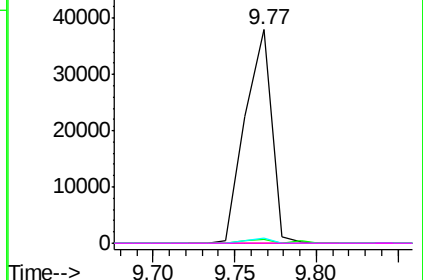
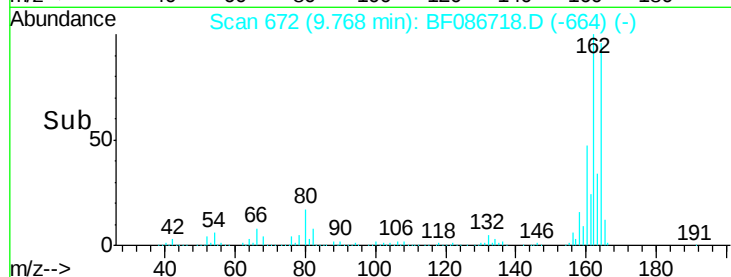


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF086718.D

Acq: 5 May 2016 21:16

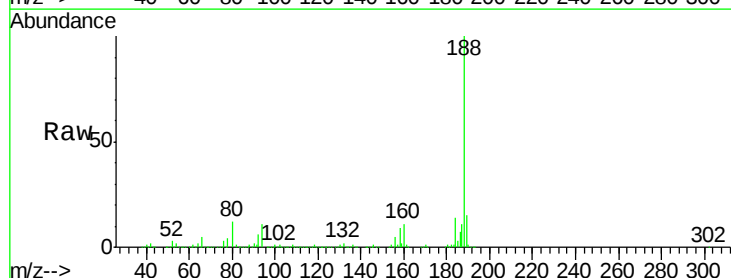
Tgt Ion:188 Resp: 556155

Ion Ratio Lower Upper

188 100

94 11.0 6.8 10.2#

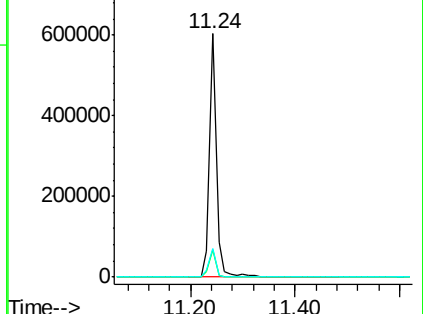
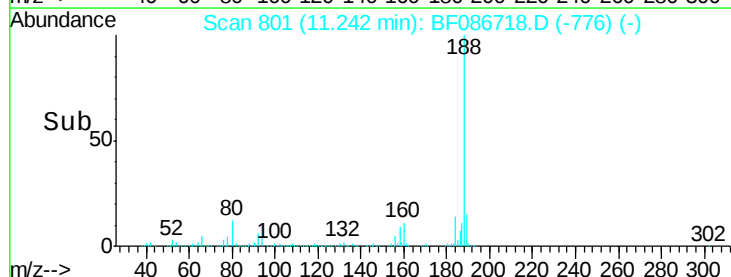
80 11.7 7.1 10.7#

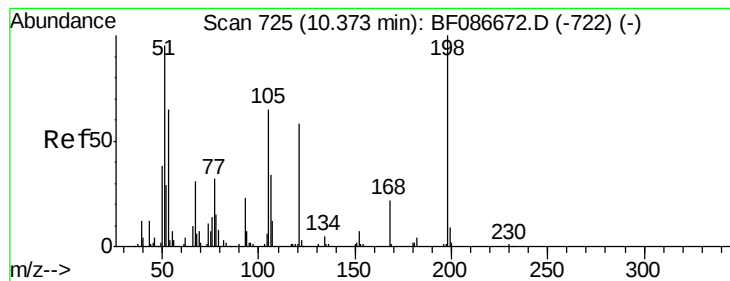


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.51 ng

RT: 10.54 min Scan# 740

Delta R.T. 0.17 min

Lab File: BF086718.D

Acq: 5 May 2016 21:16

Instrument :

BNA_F

ClientSampleId :

EUT01-TP-B8(0-4.5)-C

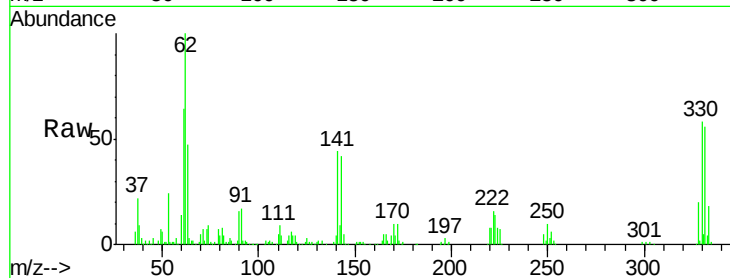
Tgt Ion:198 Resp: 733

Ion Ratio Lower Upper

198 100

51 428.7 20.5 60.5#

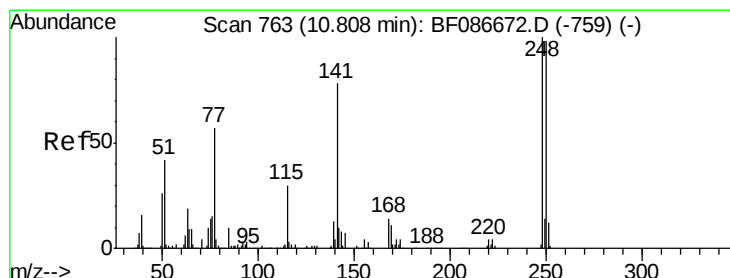
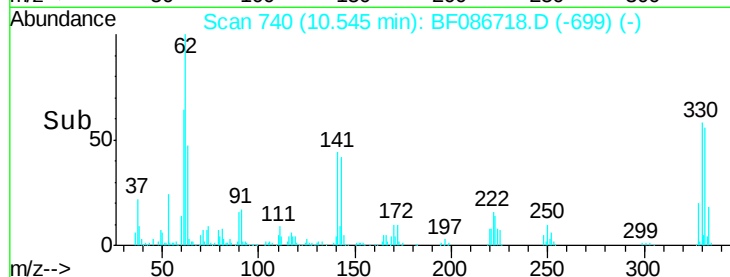
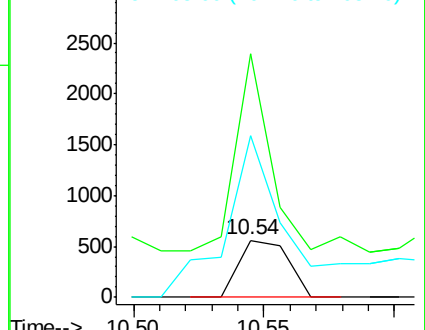
105 284.6 24.5 64.5#



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: 3.44 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.25 min

Lab File: BF086718.D

Acq: 5 May 2016 21:16

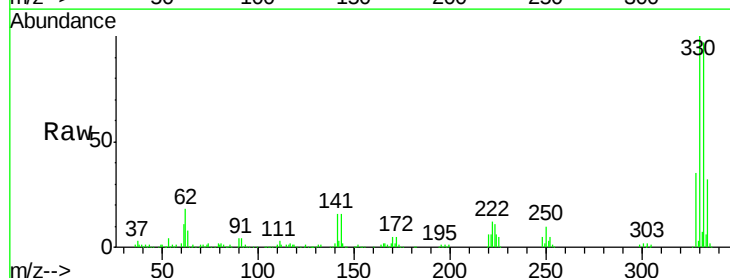
Tgt Ion:248 Resp: 19022

Ion Ratio Lower Upper

248 100

250 207.2 78.6 117.8#

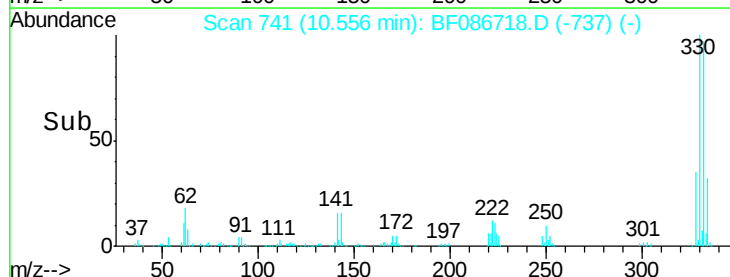
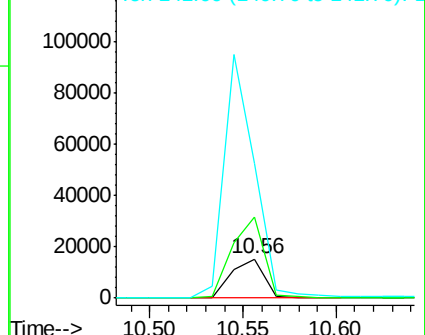
141 345.2 76.0 114.0#

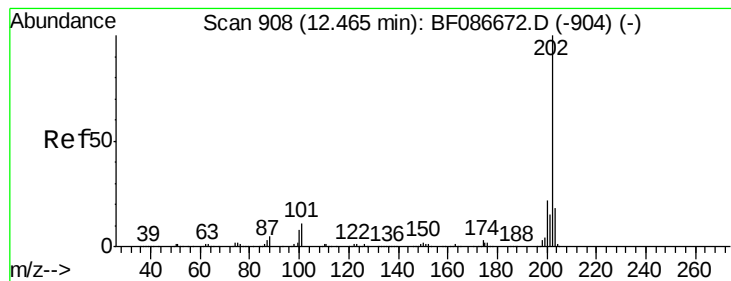


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 3.54 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF086718.D

Acq: 5 May 2016 21:16

Instrument :

BNA_F

ClientSampleId :

EUT01-TP-B8(0-4.5)-C

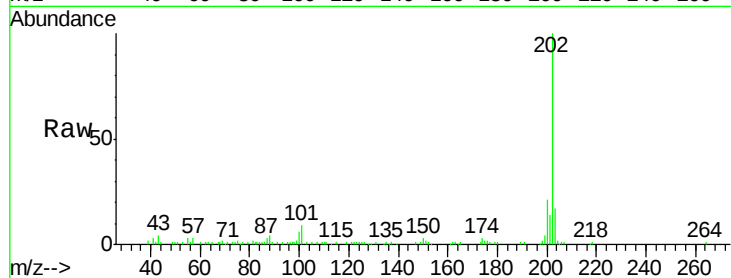
Tgt Ion:202 Resp: 106009

Ion Ratio Lower Upper

202 100

101 9.1 0.0 35.4

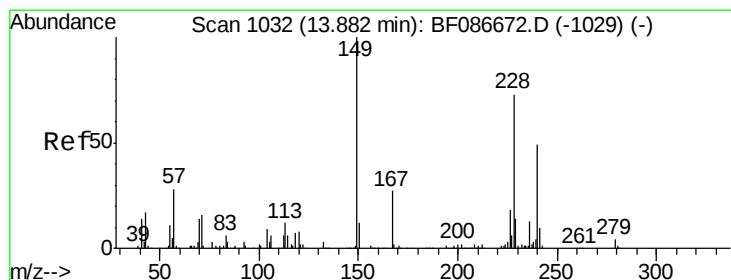
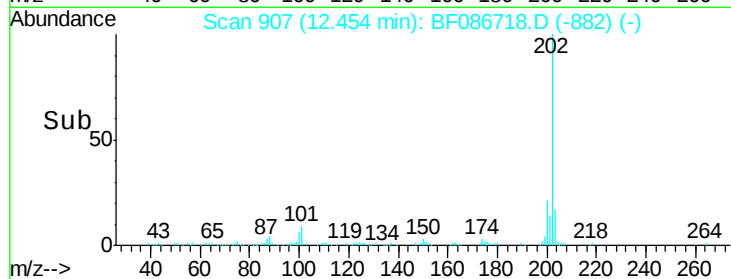
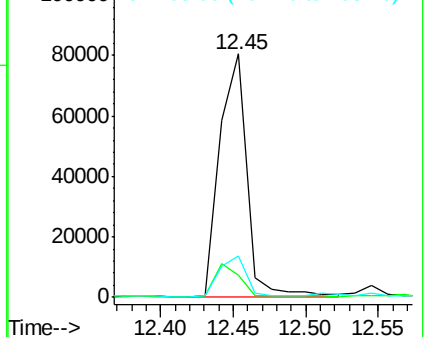
203 16.9 0.0 38.1



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: BF086718.D

Acq: 5 May 2016 21:16

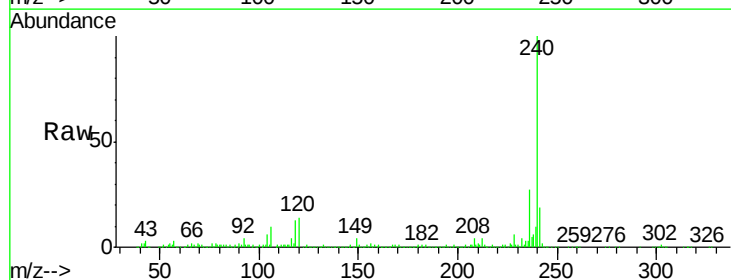
Tgt Ion:240 Resp: 372301

Ion Ratio Lower Upper

240 100

120 14.1 11.2 16.8

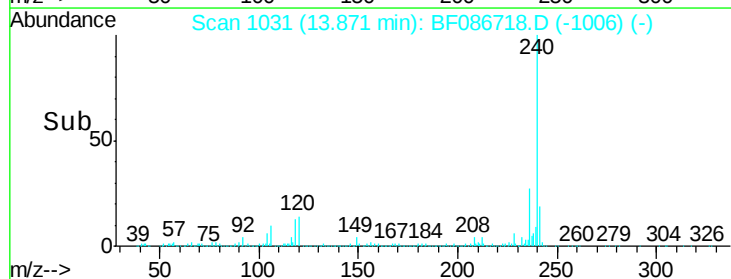
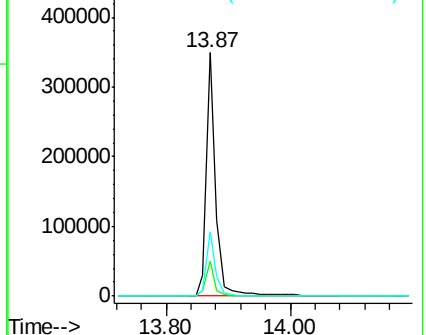
236 26.6 21.2 31.8

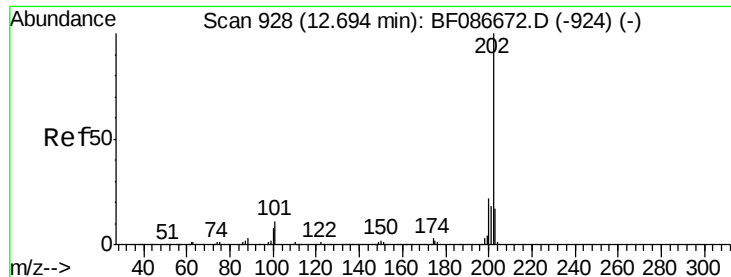


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.43 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF086718.D

Acq: 5 May 2016 21:16

Instrument :

BNA_F

ClientSampleId :

EUT01-TP-B8(0-4.5)-C

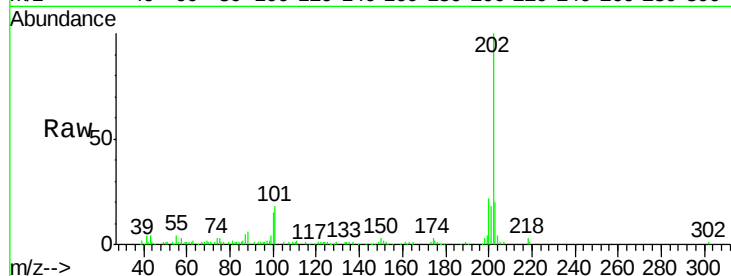
Tgt Ion:202 Resp: 101899

Ion Ratio Lower Upper

202 100

200 21.8 17.7 26.5

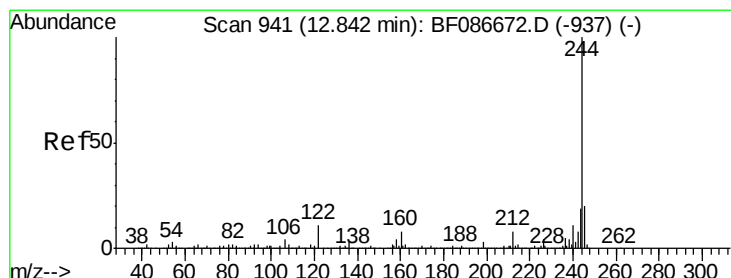
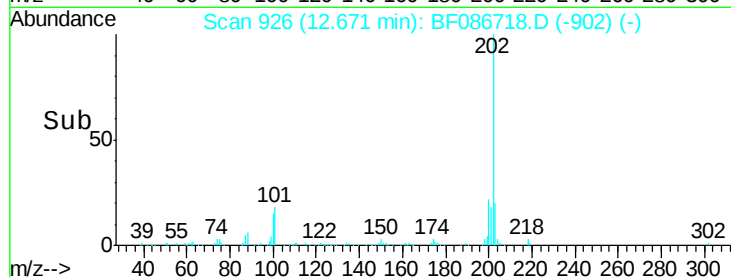
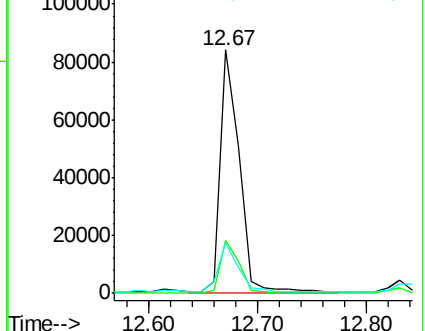
203 20.4 14.2 21.4



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: 55.82 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF086718.D

Acq: 5 May 2016 21:16

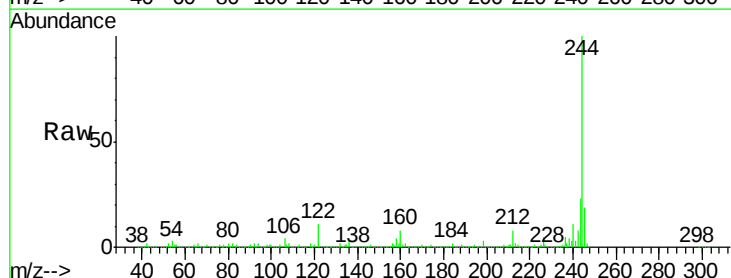
Tgt Ion:244 Resp: 1028223

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

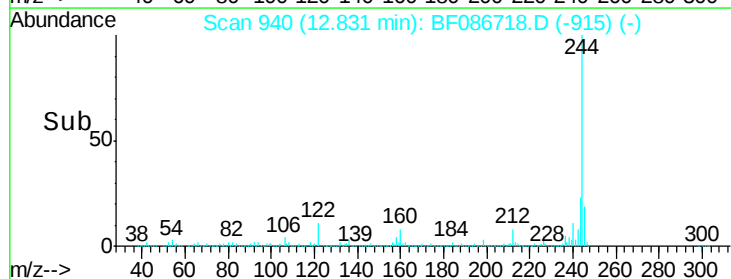
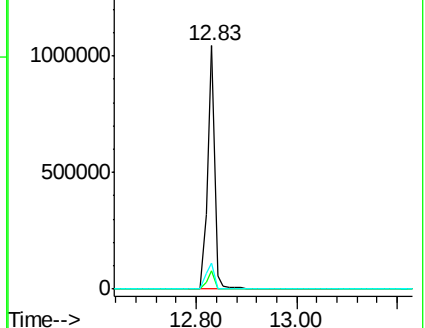
122 10.9 12.0 18.0#

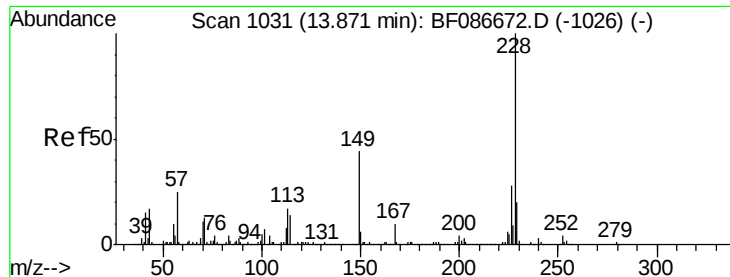


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.71 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF086718.D

Acq: 5 May 2016 21:16

Instrument :

BNA_F

ClientSampleId :

EUT01-TP-B8(0-4.5)-C

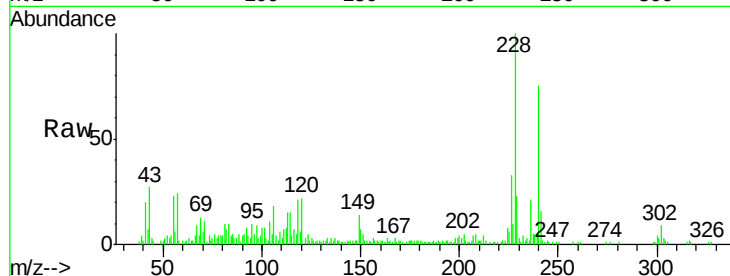
Tgt Ion:228 Resp: 57046

Ion Ratio Lower Upper

228 100

226 33.4 22.5 33.7

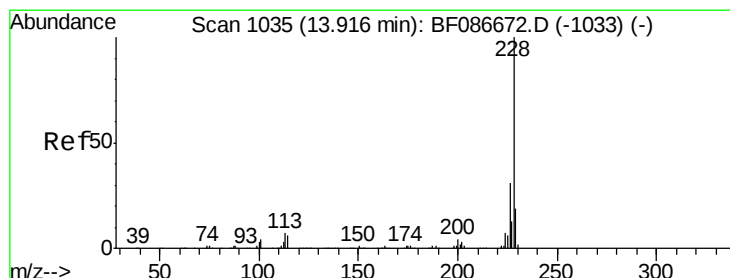
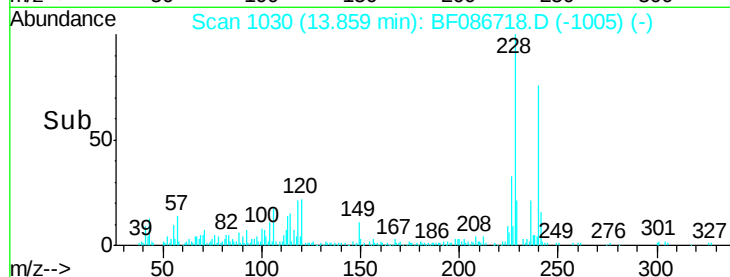
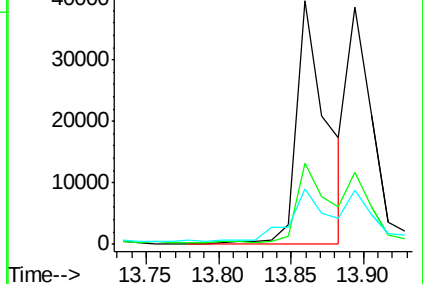
229 23.0 16.6 25.0



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: 2.54 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.06 min

Lab File: BF086718.D

Acq: 5 May 2016 21:16

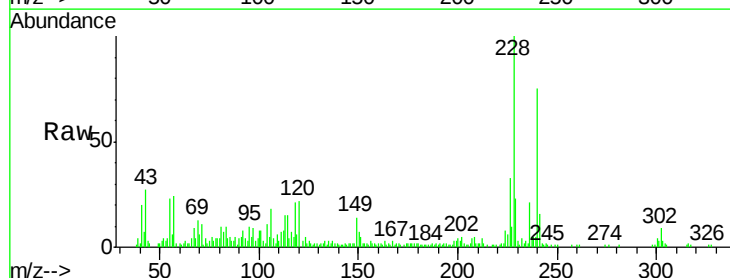
Tgt Ion:228 Resp: 57046

Ion Ratio Lower Upper

228 100

226 33.4 24.4 36.6

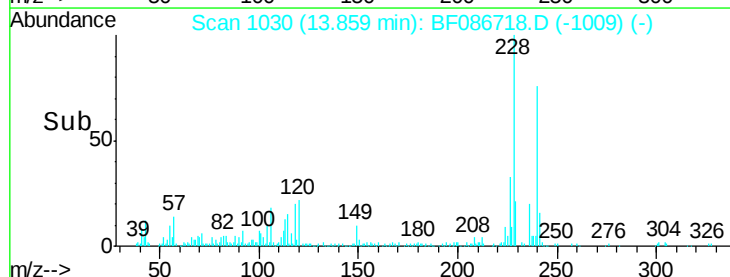
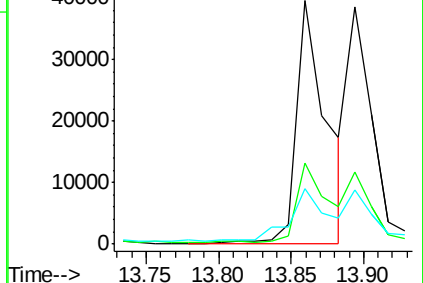
229 23.0 15.8 23.8

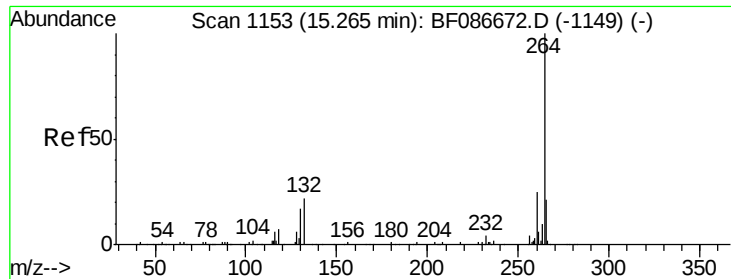


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

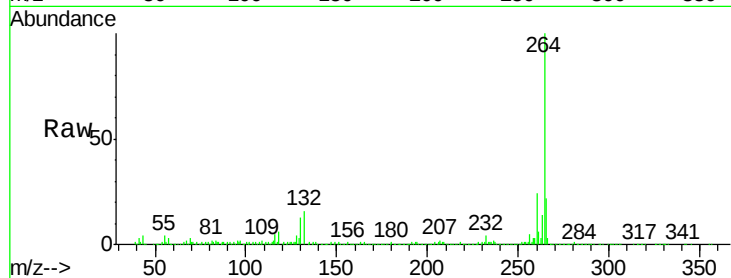




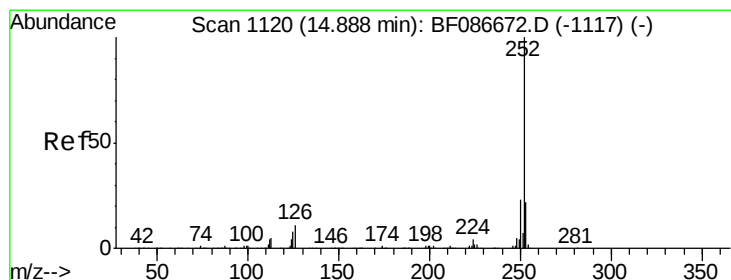
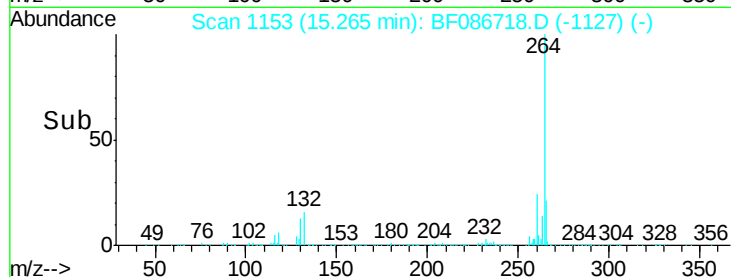
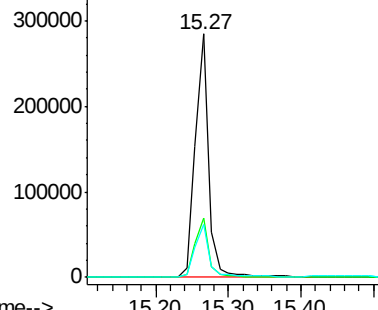
#86
Perylene-d12
Concen: 40.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Instrument :
BNA_F
ClientSampleId :
EUT01-TP-B8(0-4.5)-C

Tgt Ion:264 Resp: 364956
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 21.5 17.3 25.9

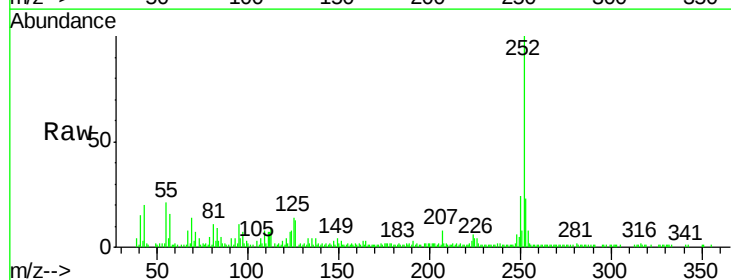


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

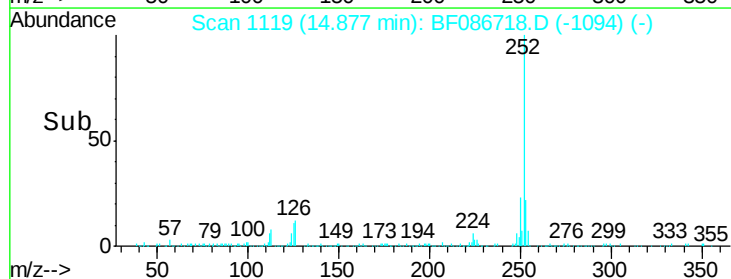
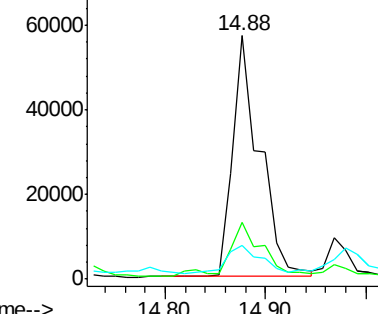


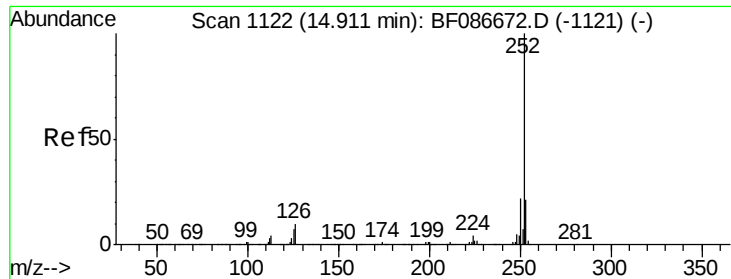
#87
Benzo(b)fluoranthene
Concen: 4.82 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Tgt Ion:252 Resp: 105783
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 14.1 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

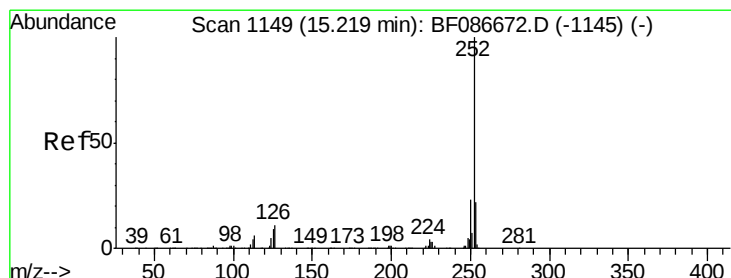
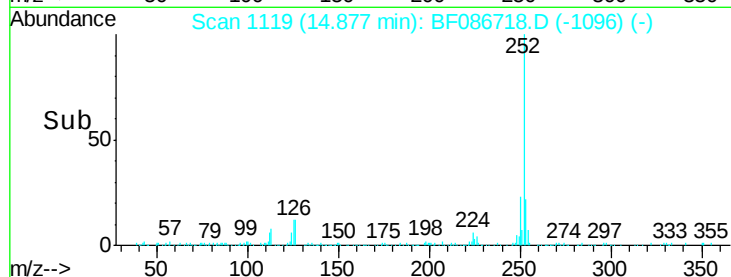
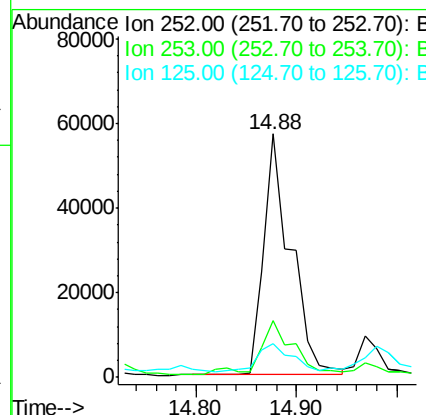
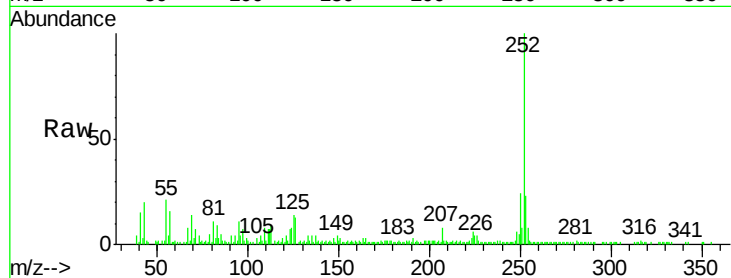




#88
Benzo(k)fluoranthene
Concen: 5.12 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.03 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Instrument :
BNA_F
ClientSampleId :
EUT01-TP-B8(0-4.5)-C

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	14.1	9.1	13.7#



#89
Benzo(a)pyrene
Concen: 2.45 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF086718.D
Acq: 5 May 2016 21:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.2	25.8
125	15.3	9.0	13.6#

