

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
 Data File : BF086916.D
 Acq On : 12 May 2016 4:49
 Operator : UM/SJ
 Sample : H2957-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP31-5FT

Quant Time: May 12 05:56:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 12 01:06:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	127950	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	487378	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	193941	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	307601	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	285780	20.00	ng	-0.01
86) Perylene-d12	15.14	264	224973	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	776343	102.76	ng	0.01
7) Phenol-d6	6.30	99	902033	89.33	ng	-0.01
23) Nitrobenzene-d5	7.21	82	614182	63.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	162252	79.02	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	836753	72.51	ng	0.00
78) Terphenyl-d14	12.73	244	614953	45.66	ng	0.00

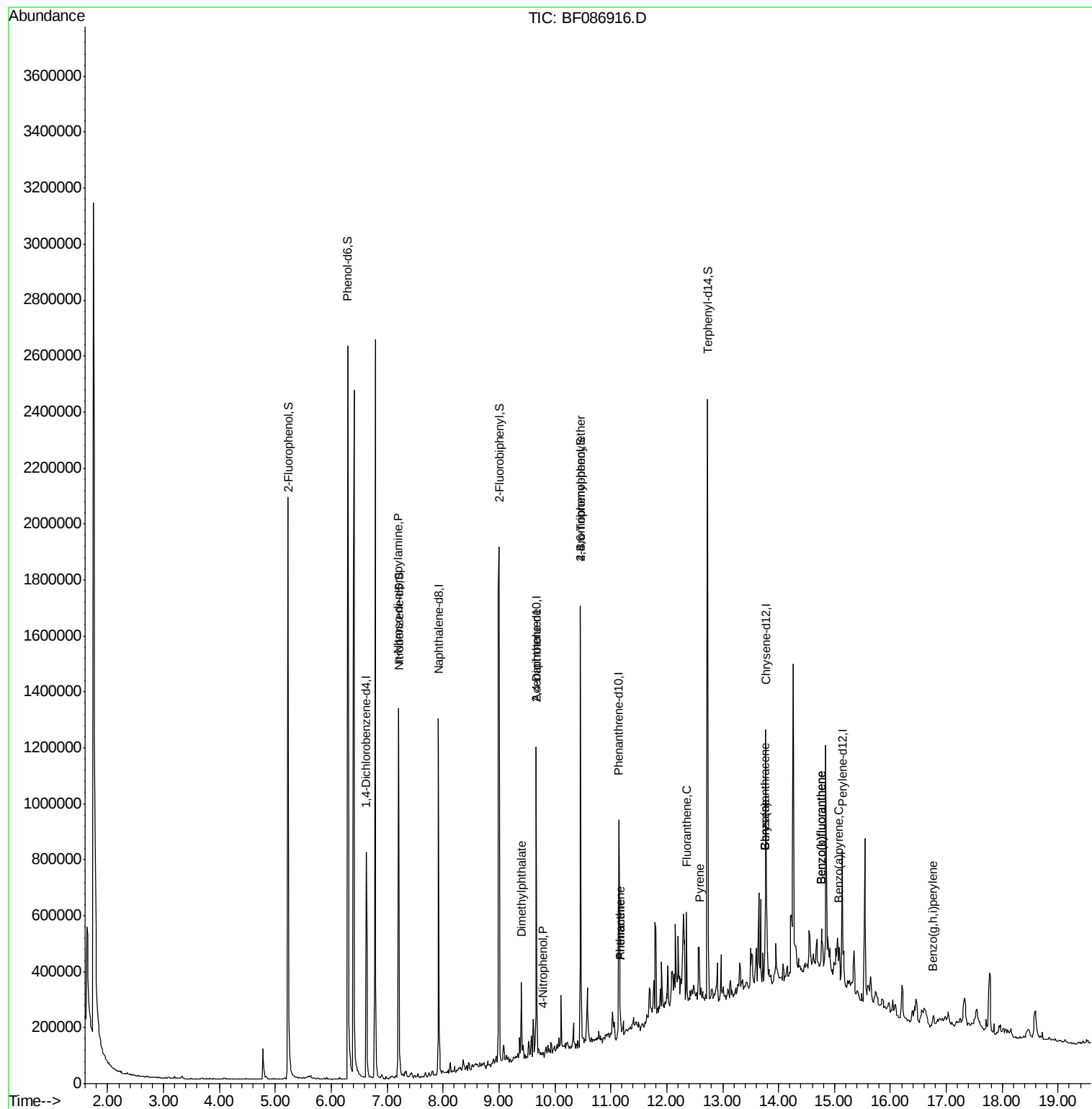
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.20	70	90022	12.76	ng	# 67
49) Dimethylphthalate	9.40	163	116356	7.86	ng	# 98
55) 4-Nitrophenol	9.78	139	933	4.96	ng	# 1
56) 2,4-Dinitrotoluene	9.67	165	25406	6.59	ng	# 17
60) 4-Chlorophenyl-phenylether	10.03	204	811	Below Cal		# 66
66) 4-Bromophenyl-phenylether	10.46	248	10301	3.30	ng	# 1
70) Phenanthrene	11.16	178	39733	2.42	ng	98
71) Anthracene	11.16	178	39733	2.37	ng	98
74) Fluoranthene	12.35	202	123798	7.33	ng	93
77) Pyrene	12.58	202	113309	5.18	ng	98
80) Benzo(a)anthracene	13.76	228	69106	4.31	ng	# 90
82) Chrysene	13.76	228	69106	4.23	ng	92
87) Benzo(b)fluoranthene	14.77	252	92202	6.31	ng	# 96
88) Benzo(k)fluoranthene	14.77	252	92202	7.70	ng	# 93
89) Benzo(a)pyrene	15.09	252	46490	3.69	ng	# 91
91) Benzo(g,h,i)perylene	16.77	276	23803	2.20	ng	94

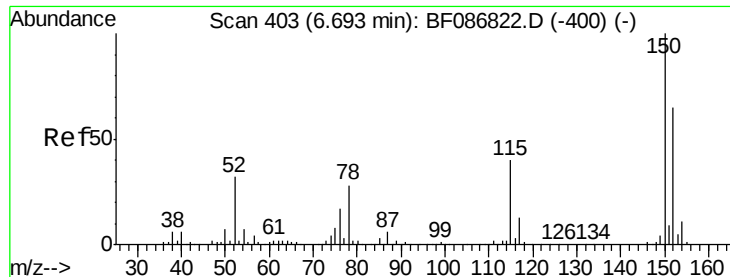
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.01 min

Lab File: BF086916.D

Acq: 12 May 2016 4:49

Instrument :

BNA_F

ClientSampled :

TP31-5FT

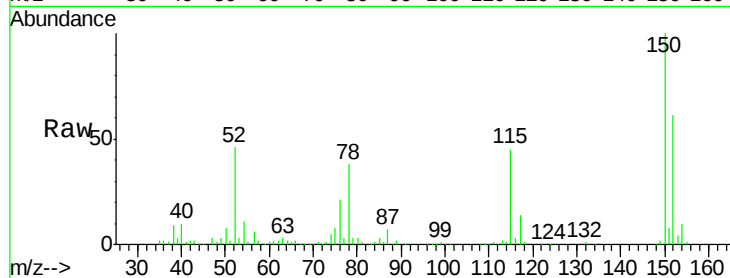
Tgt Ion:152 Resp: 127950

Ion Ratio Lower Upper

152 100

150 163.8 125.8 188.6

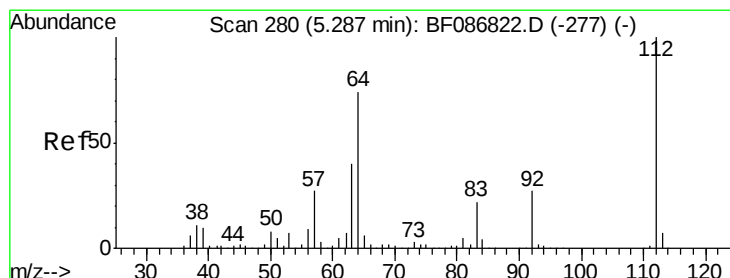
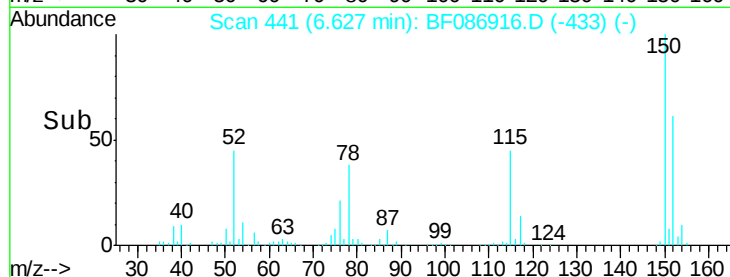
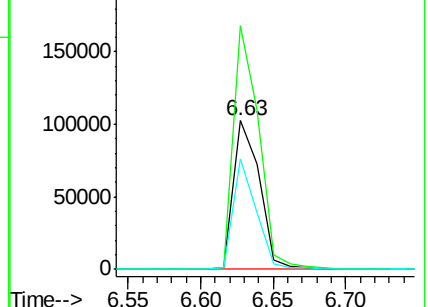
115 74.3 51.5 77.3



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: 102.76 ng

RT: 5.23 min Scan# 319

Delta R.T. 0.01 min

Lab File: BF086916.D

Acq: 12 May 2016 4:49

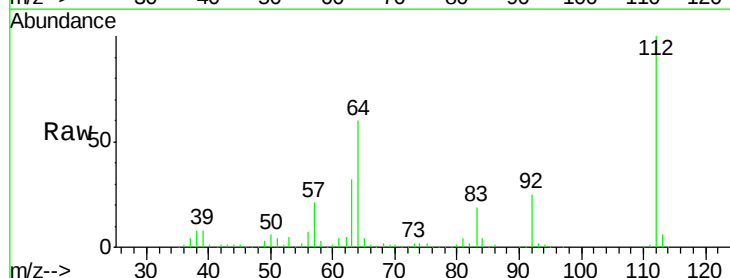
Tgt Ion:112 Resp: 776343

Ion Ratio Lower Upper

112 100

64 60.1 52.1 78.1

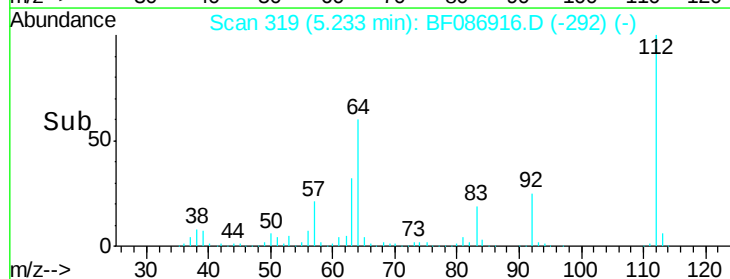
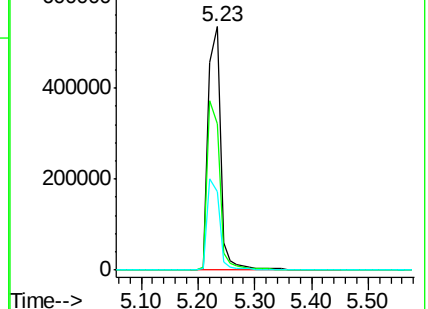
63 32.2 25.7 38.5

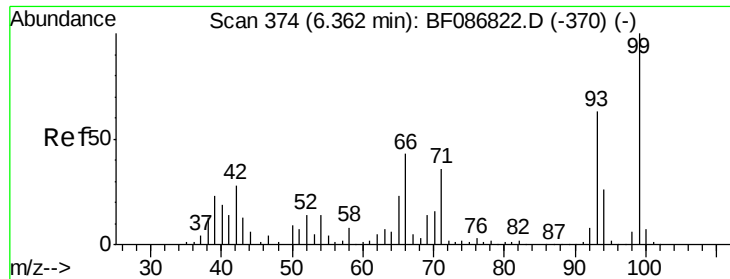


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 89.33 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.01 min

Lab File: BF086916.D

Acq: 12 May 2016 4:49

Instrument :

BNA_F

ClientSampleId :

TP31-5FT

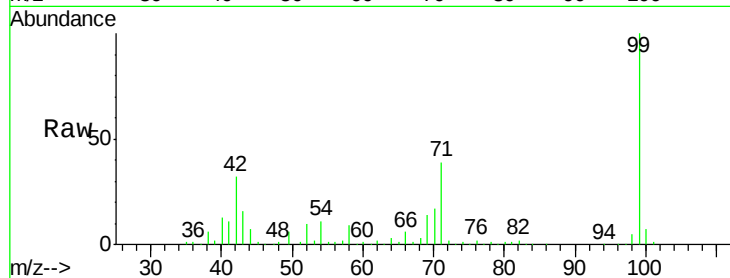
Tgt Ion: 99 Resp: 902033

Ion Ratio Lower Upper

99 100

42 31.7 13.6 20.4#

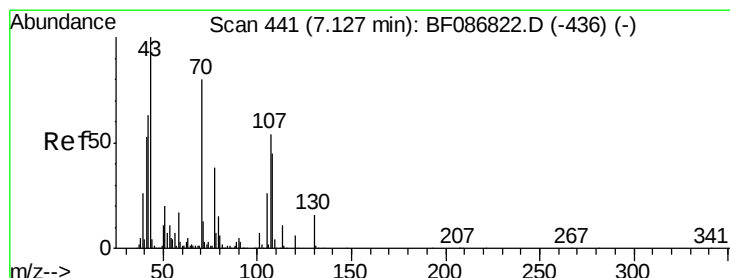
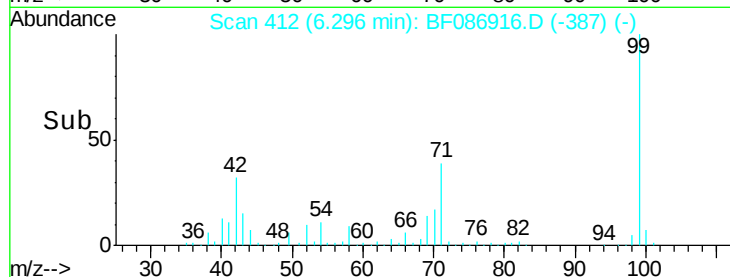
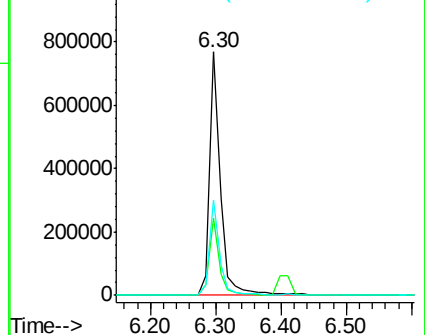
71 39.2 24.6 36.8#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 12.76 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.13 min

Lab File: BF086916.D

Acq: 12 May 2016 4:49

Tgt Ion: 70 Resp: 90022

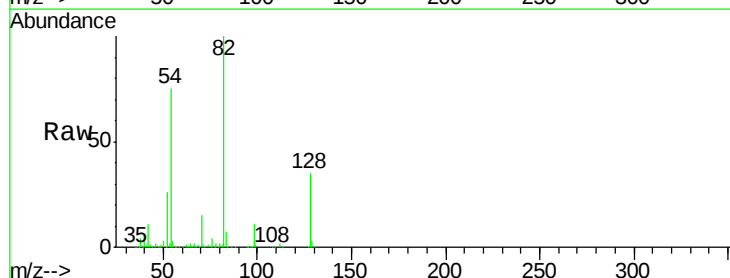
Ion Ratio Lower Upper

70 100

42 74.6 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

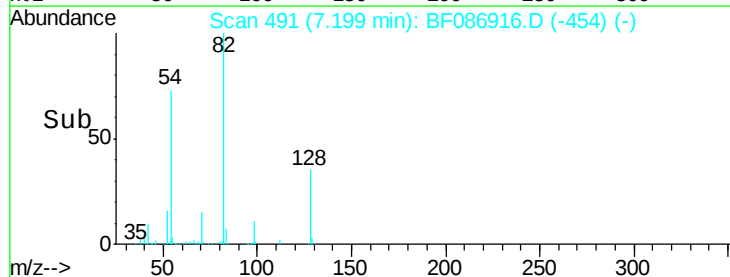
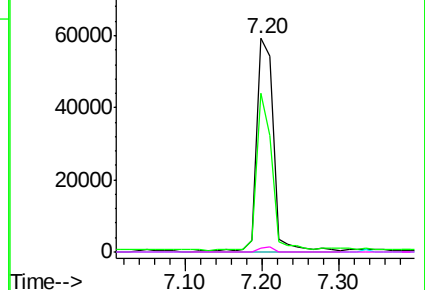


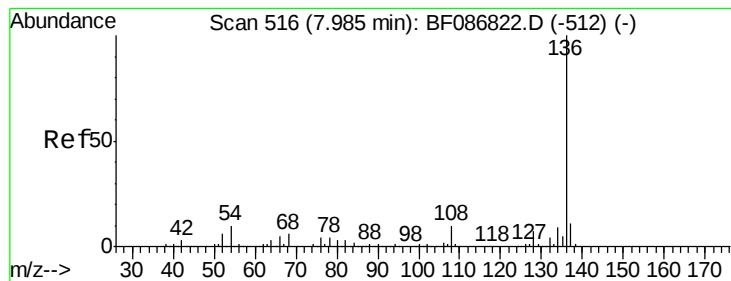
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF086916.D

Acq: 12 May 2016 4:49

Instrument :

BNA_F

ClientSampleId :

TP31-5FT

Tgt Ion:136 Resp: 487378

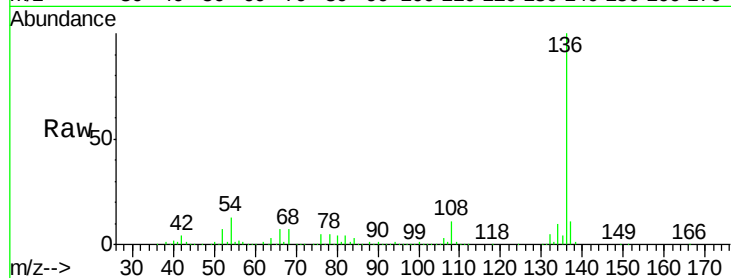
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 12.6 5.0 7.4#

68 7.0 4.4 6.6#

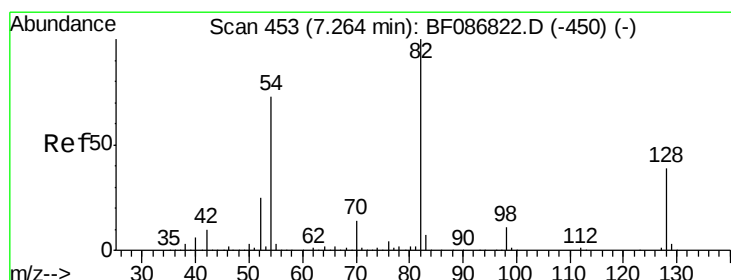
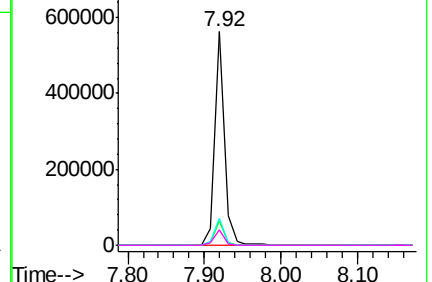
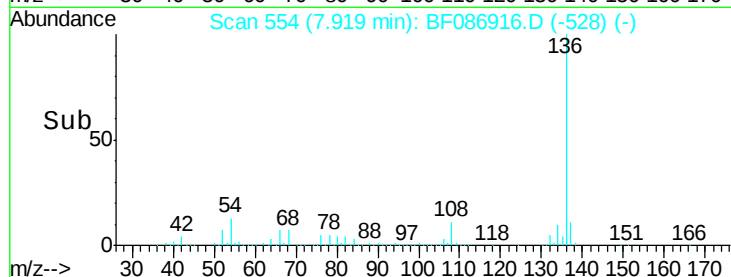


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.28 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.01 min

Lab File: BF086916.D

Acq: 12 May 2016 4:49

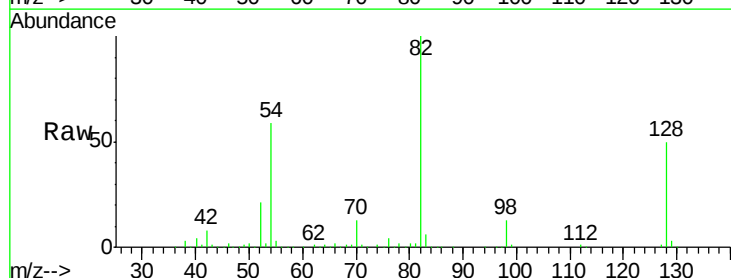
Tgt Ion: 82 Resp: 614182

Ion Ratio Lower Upper

82 100

128 50.2 40.6 61.0

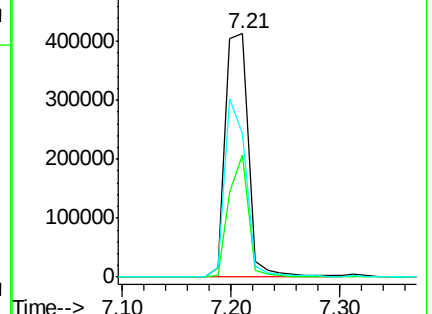
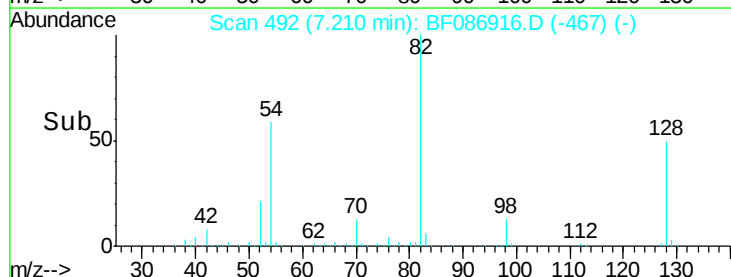
54 59.3 38.1 57.1#

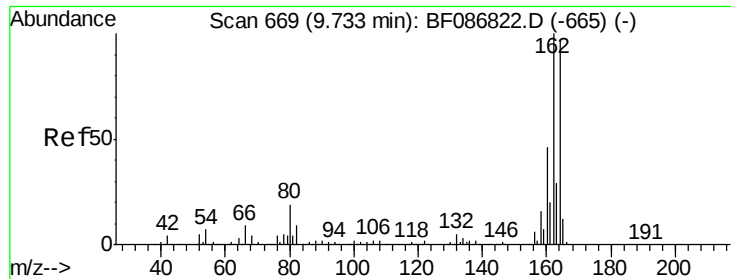


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF086916.D

Acq: 12 May 2016 4:49

Instrument :

BNA_F

ClientSampleId :

TP31-5FT

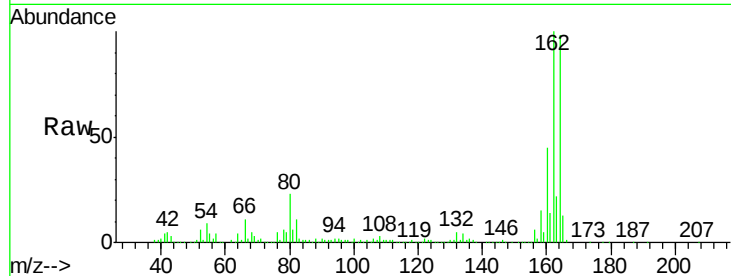
Tgt Ion:164 Resp: 193941

Ion Ratio Lower Upper

164 100

162 102.2 82.8 124.2

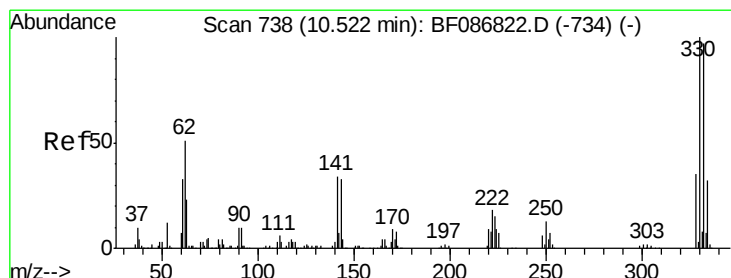
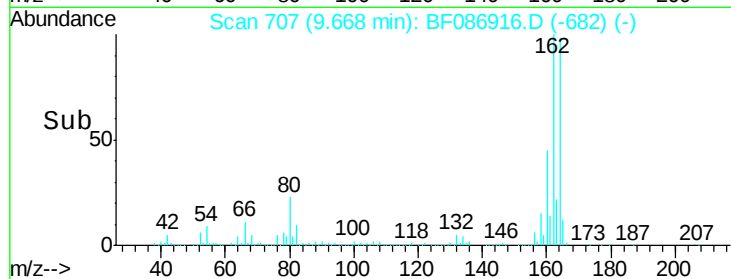
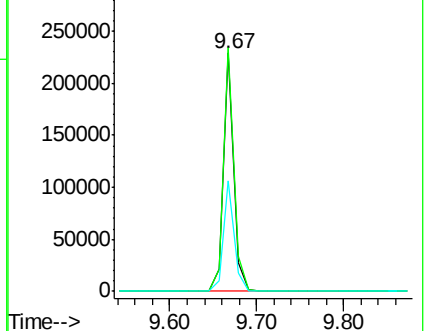
160 46.2 36.9 55.3



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: 79.02 ng

RT: 10.46 min Scan# 776

Delta R.T. -0.01 min

Lab File: BF086916.D

Acq: 12 May 2016 4:49

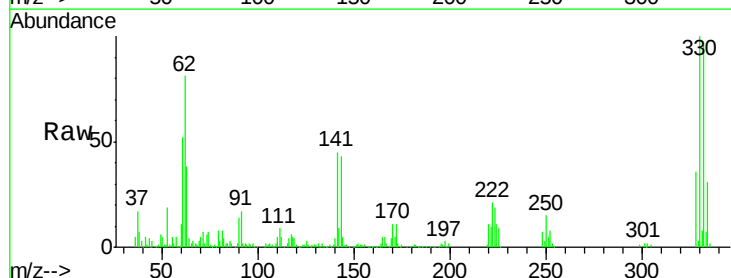
Tgt Ion:330 Resp: 162252

Ion Ratio Lower Upper

330 100

332 96.2 79.0 118.4

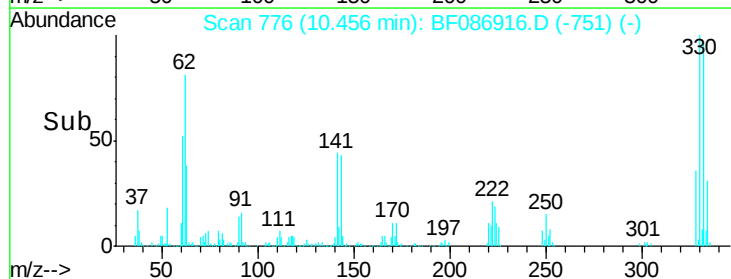
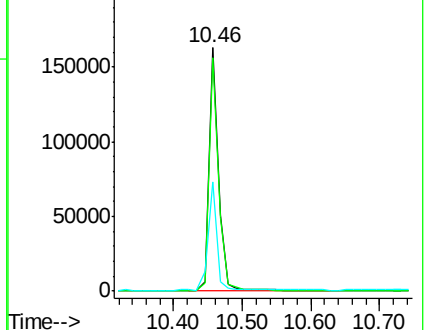
141 41.0 31.2 46.8

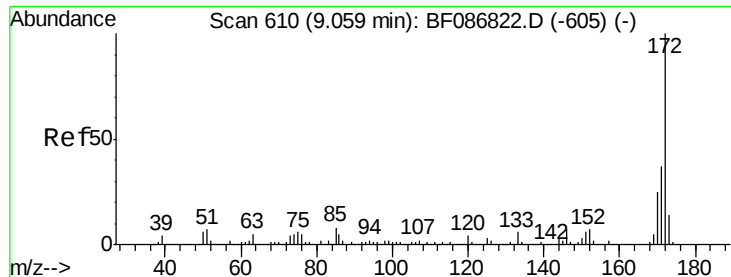


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

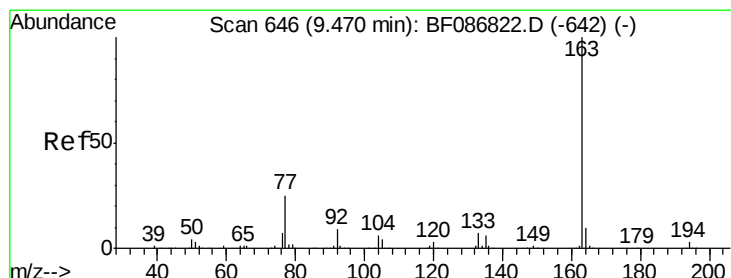
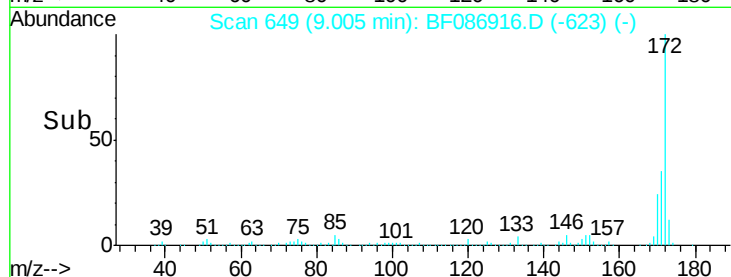
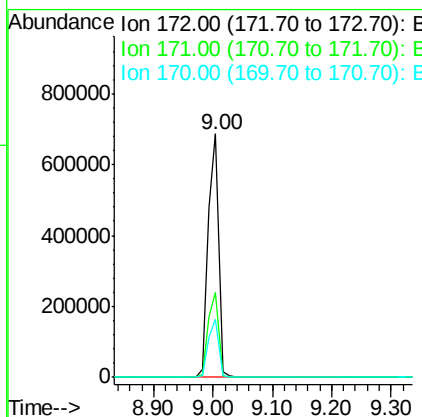
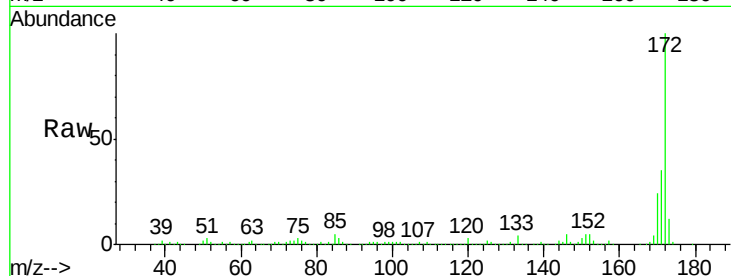




#44
 2-Fluorobiphenyl
 Concen: 72.51 ng
 RT: 9.00 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF086916.D
 Acq: 12 May 2016 4:49

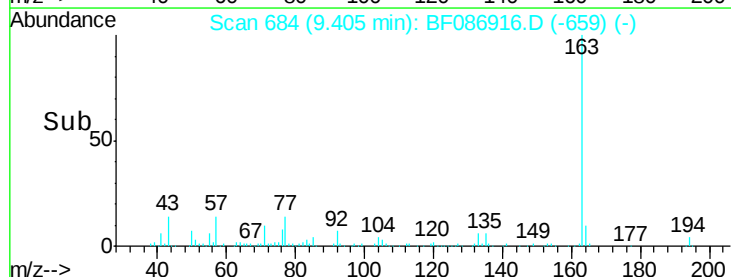
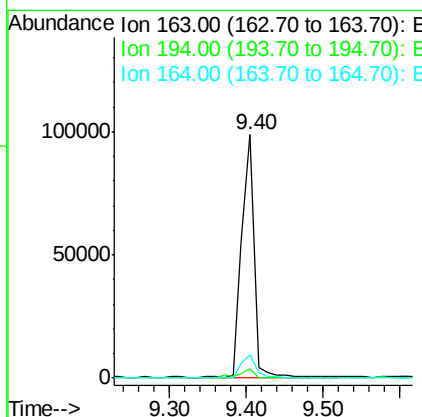
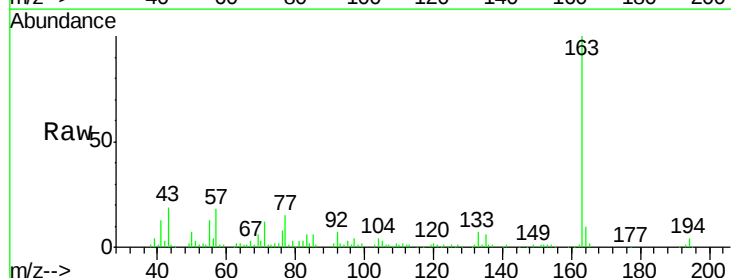
Instrument :
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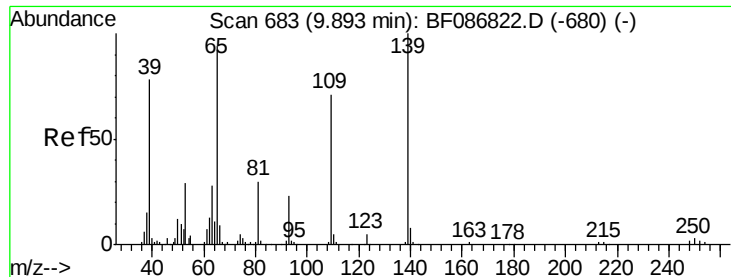
Tgt Ion:172 Resp: 836753
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.0 43.6
 170 23.7 19.8 29.8



#49
 Dimethylphthalate
 Concen: 7.86 ng
 RT: 9.40 min Scan# 684
 Delta R.T. -0.01 min
 Lab File: BF086916.D
 Acq: 12 May 2016 4:49

Tgt Ion:163 Resp: 116356
 Ion Ratio Lower Upper
 163 100
 194 4.0 2.6 4.0#
 164 9.8 8.2 12.4

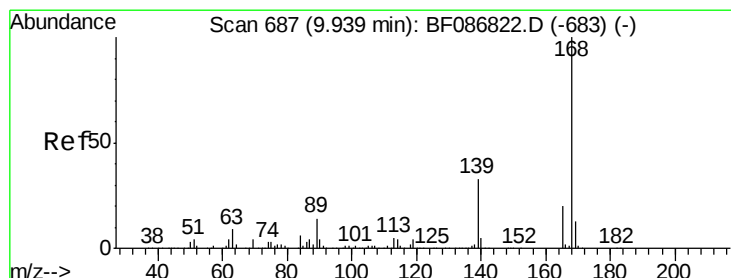
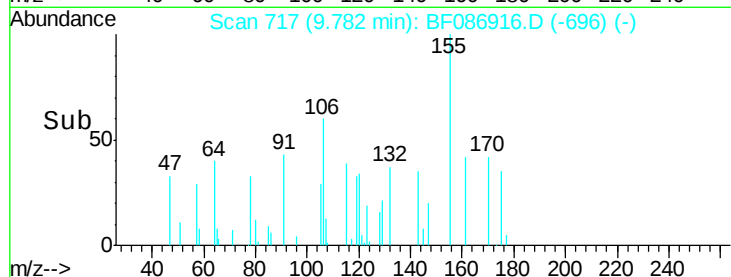
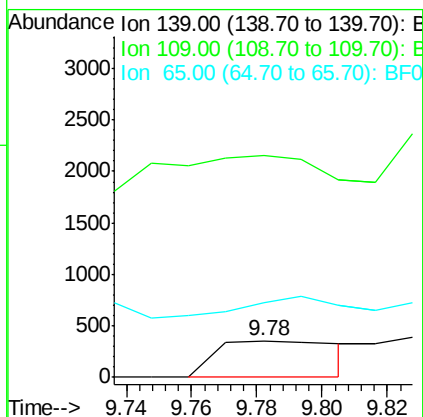
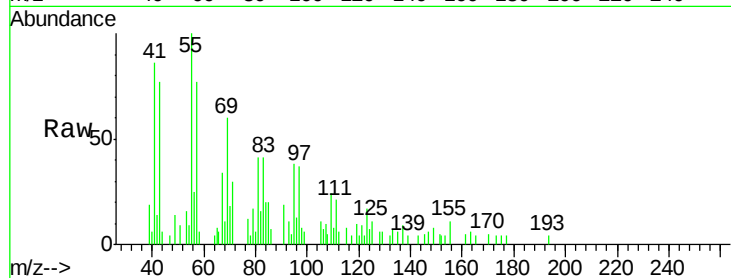




#55
4-Nitrophenol
Concen: 4.96 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.06 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

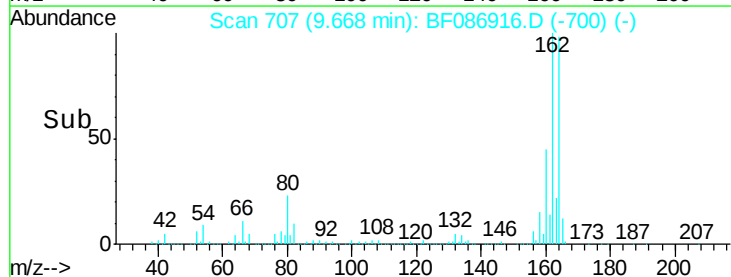
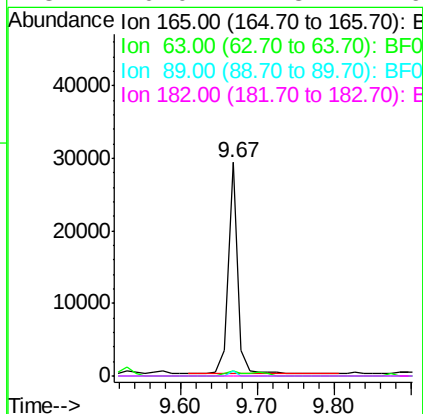
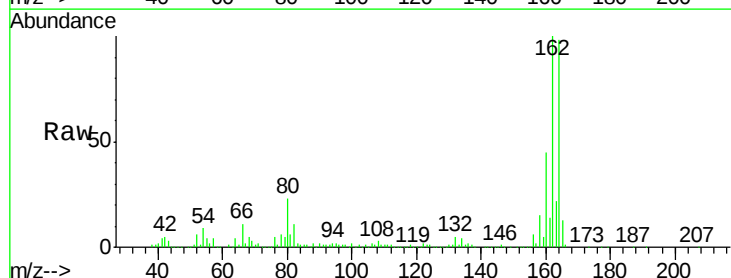
Instrument :
BNA_F
ClientSampleId :
TP31-5FT

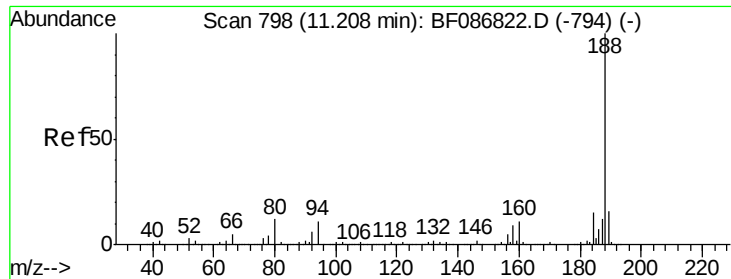
Tgt Ion:139 Resp: 933
Ion Ratio Lower Upper
139 100
109 605.6 36.9 76.9#
65 203.9 64.0 104.0#



#56
2,4-Dinitrotoluene
Concen: 6.59 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.22 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:165 Resp: 25406
Ion Ratio Lower Upper
165 100
63 2.4 44.3 66.5#
89 2.3 70.0 105.0#
182 0.0 1.8 2.6#

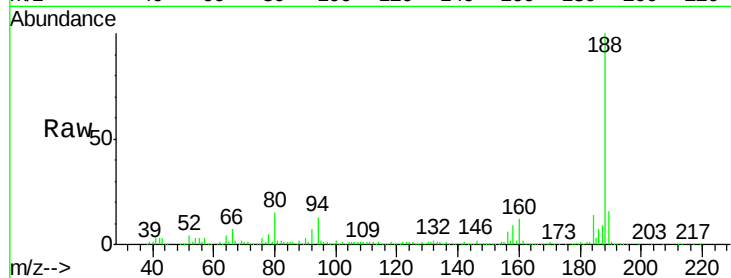




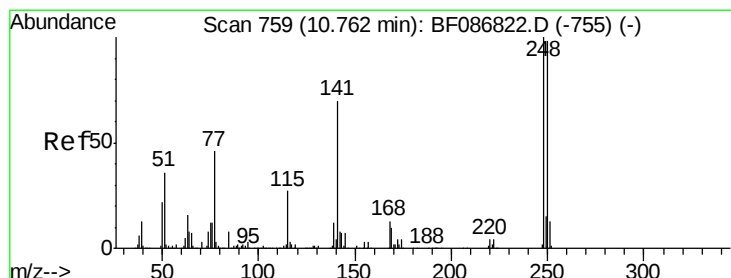
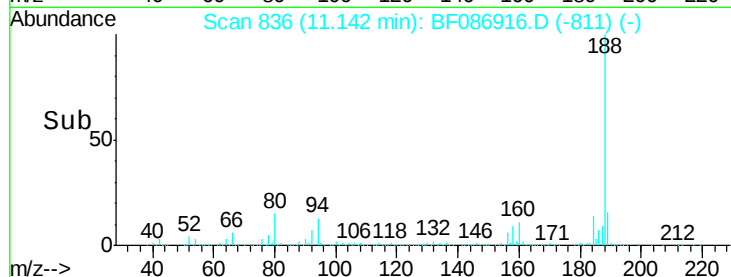
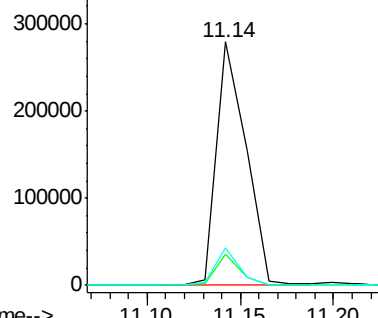
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Instrument :
BNA_F
ClientSampleId :
TP31-5FT

Tgt Ion:188 Resp: 307601
Ion Ratio Lower Upper
188 100
94 13.0 6.8 10.2#
80 15.2 7.1 10.7#

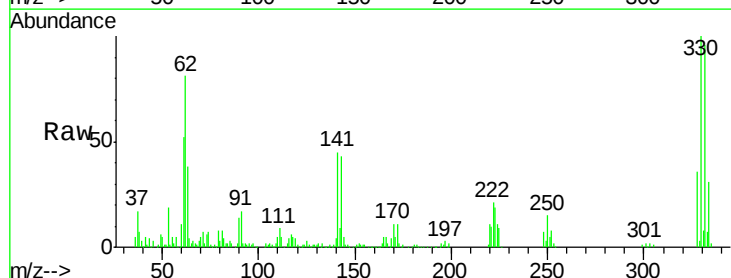


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

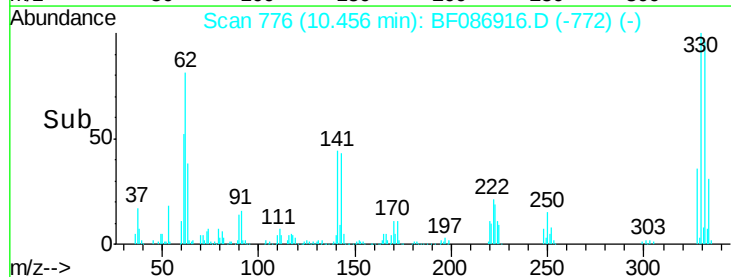
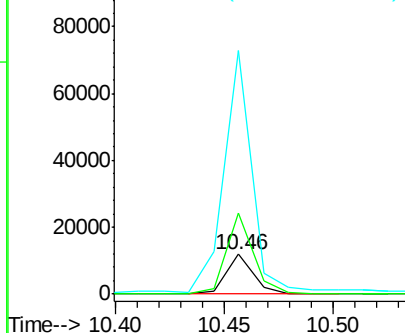


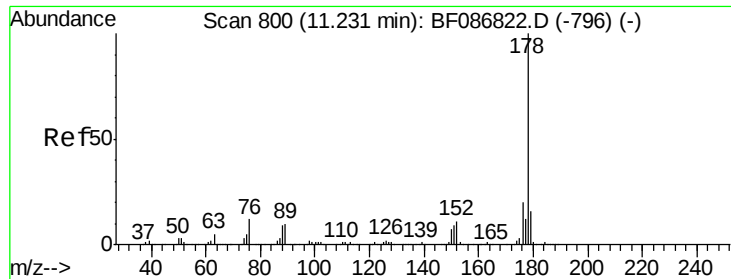
#66
4-Bromophenyl-phenylether
Concen: 3.30 ng
RT: 10.46 min Scan# 776
Delta R.T. -0.25 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:248 Resp: 10301
Ion Ratio Lower Upper
248 100
250 203.7 78.6 117.8#
141 613.3 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

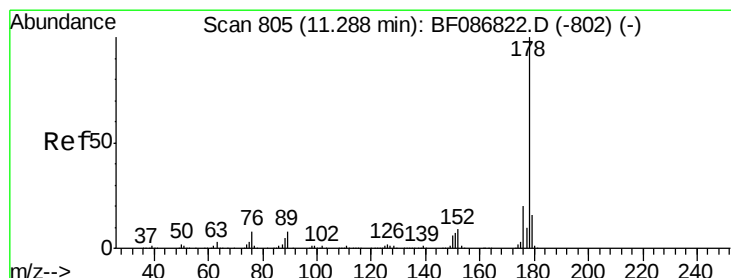
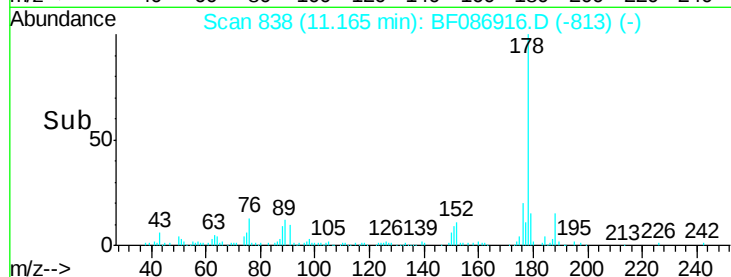
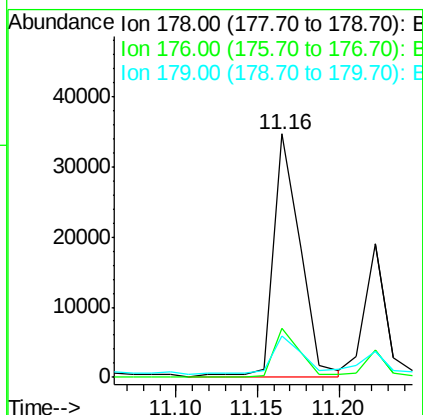
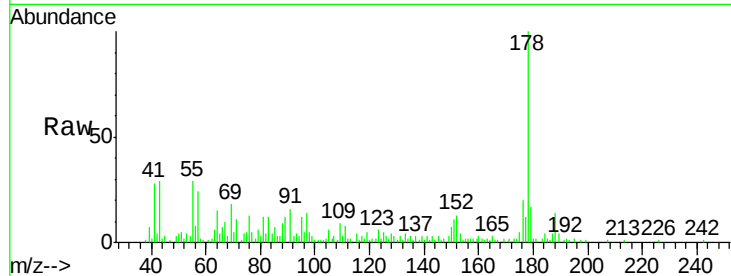




#70
Phenanthrene
Concen: 2.42 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

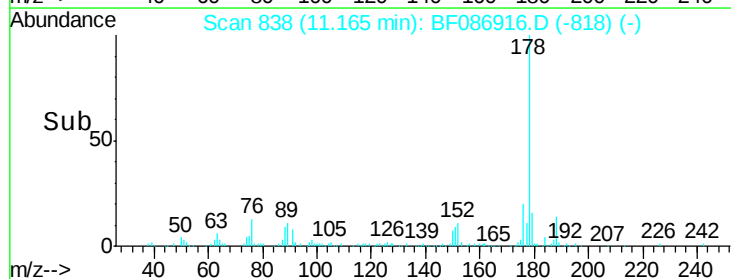
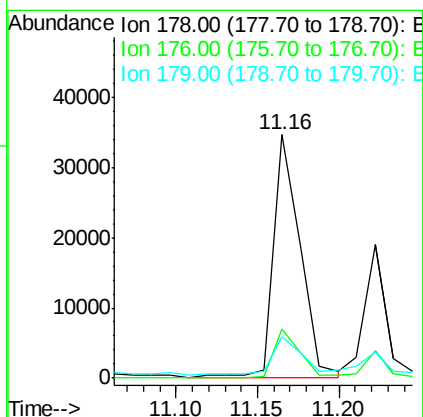
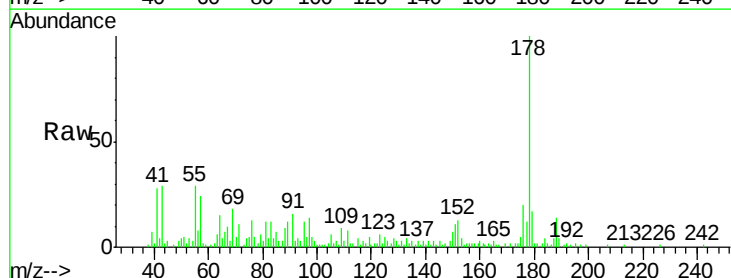
Instrument :
BNA_F
ClientSampleId :
TP31-5FT

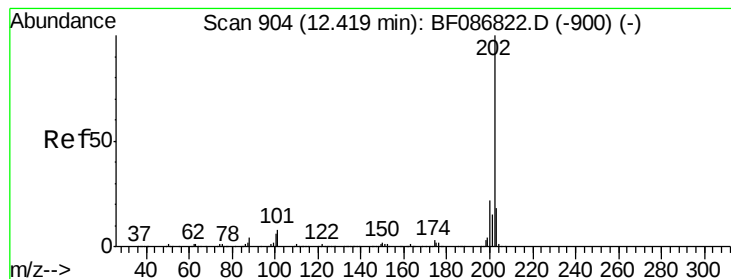
Tgt Ion:178 Resp: 39733
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 17.2 12.6 18.8



#71
Anthracene
Concen: 2.37 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.07 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:178 Resp: 39733
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 17.2 12.7 19.1





#74

Fluoranthene

Concen: 7.33 ng

RT: 12.35 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF086916.D

Acq: 12 May 2016 4:49

Instrument :

BNA_F

ClientSampleId :

TP31-5FT

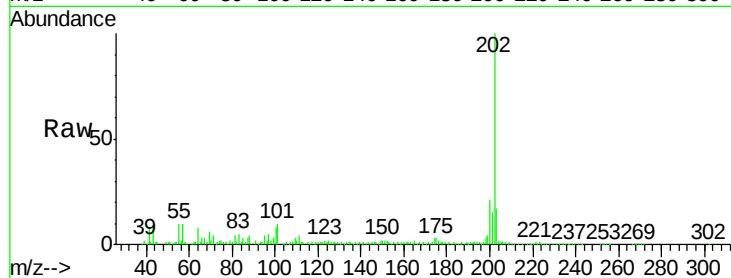
Tgt Ion: 202 Resp: 123798

Ion Ratio Lower Upper

202 100

101 9.8 0.0 35.4

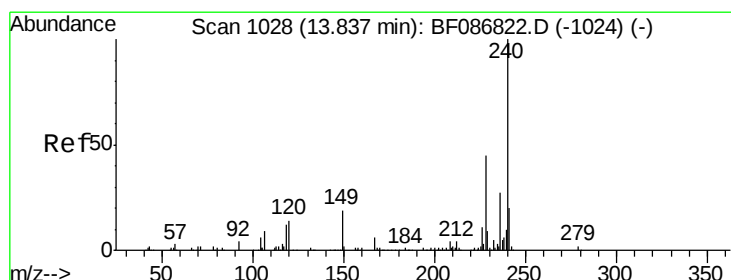
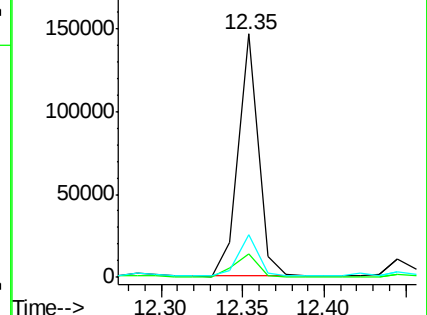
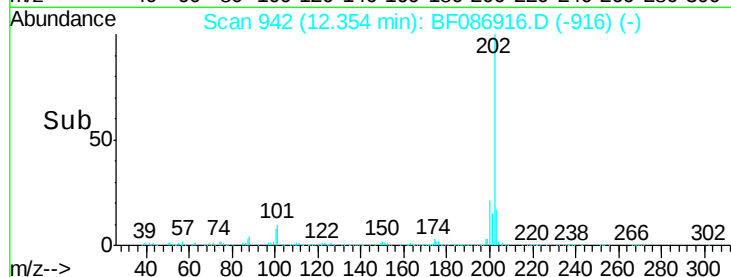
203 17.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF086916.D

Acq: 12 May 2016 4:49

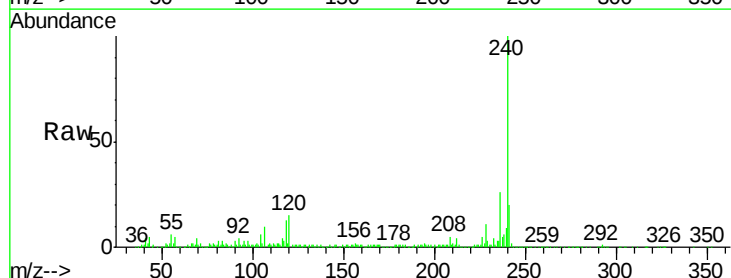
Tgt Ion: 240 Resp: 285780

Ion Ratio Lower Upper

240 100

120 14.7 11.2 16.8

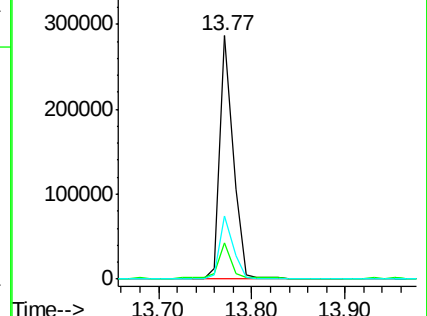
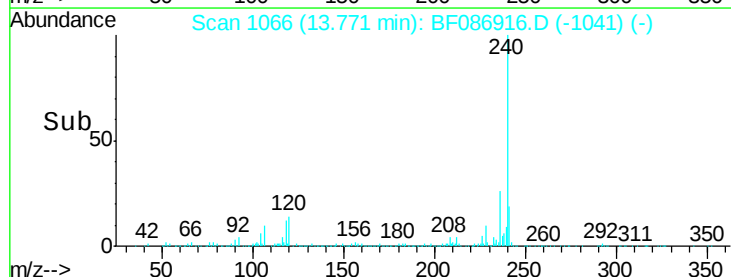
236 26.0 21.2 31.8

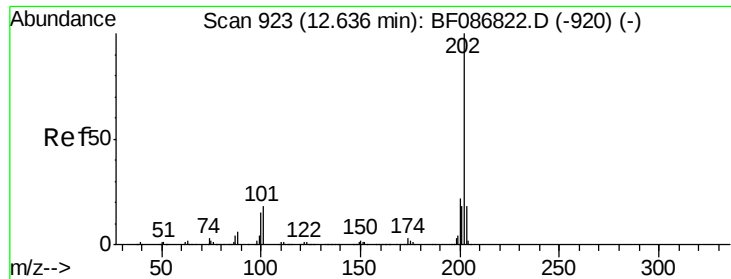


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

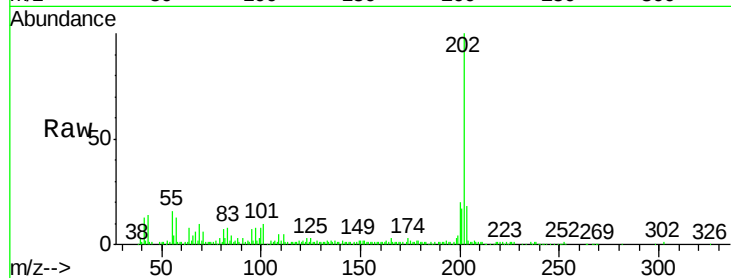




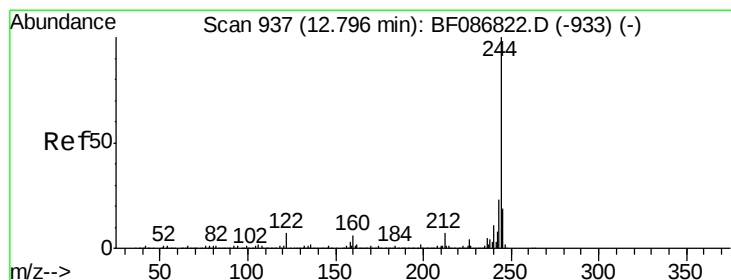
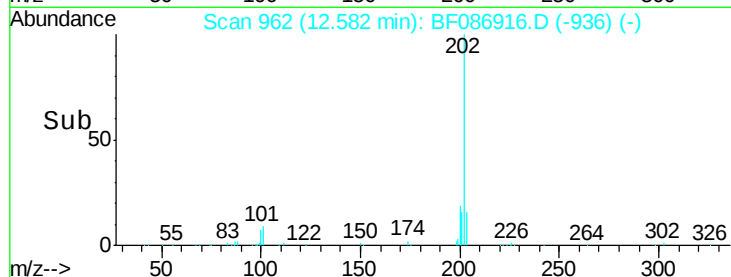
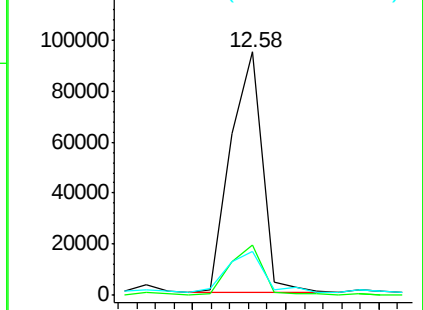
#77
 Pyrene
 Concen: 5.18 ng
 RT: 12.58 min Scan# 962
 Delta R.T. 0.00 min
 Lab File: BF086916.D
 Acq: 12 May 2016 4:49

Instrument :
 BNA_F
 ClientSampleId :
 TP31-5FT

Tgt Ion: 202 Resp: 113309
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.7 26.5
 203 17.8 14.2 21.4

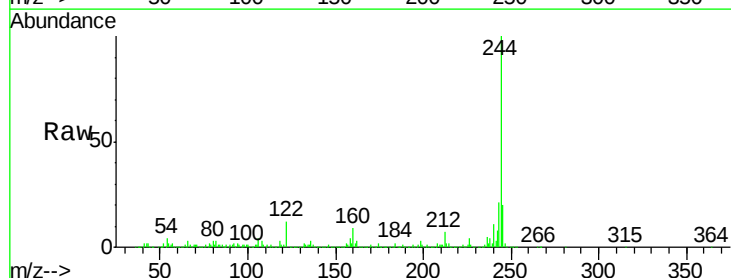


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

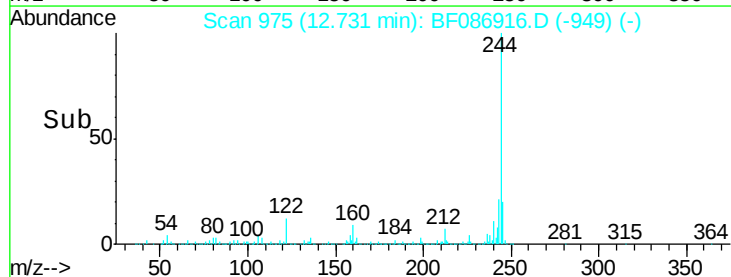
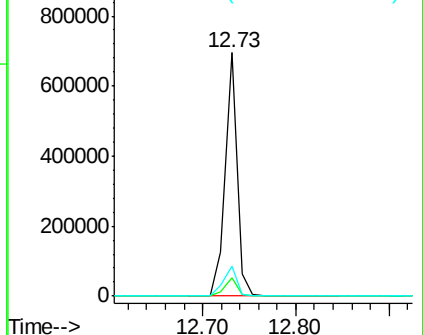


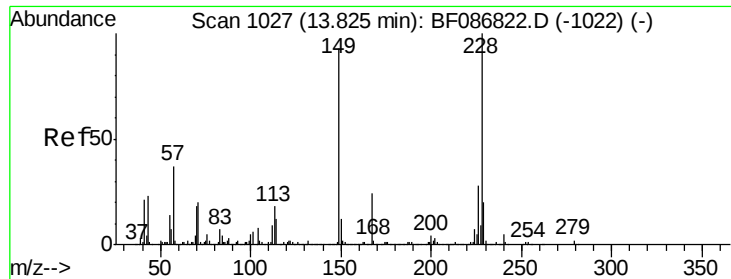
#78
 Terphenyl-d14
 Concen: 45.66 ng
 RT: 12.73 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF086916.D
 Acq: 12 May 2016 4:49

Tgt Ion: 244 Resp: 614953
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 12.2 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: 4.31 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF086916.D

Acq: 12 May 2016 4:49

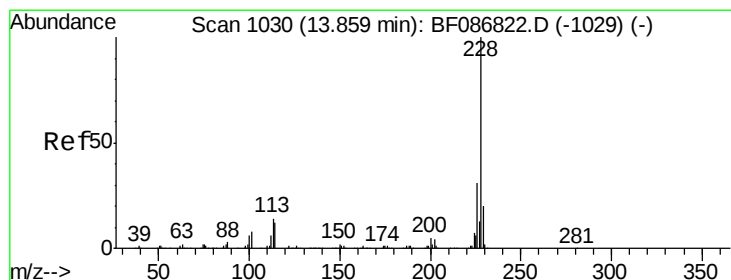
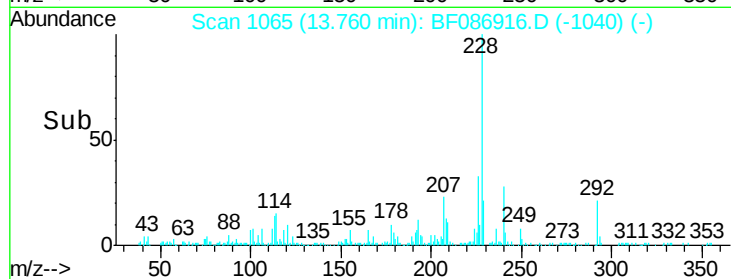
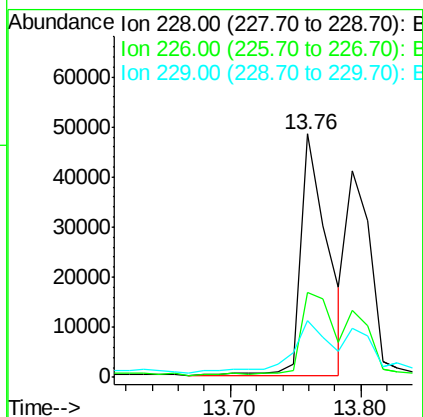
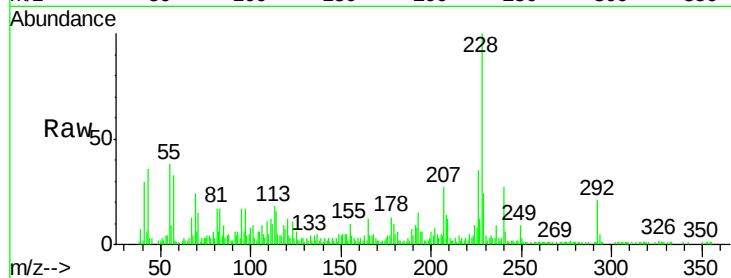
Instrument :

BNA_F

ClientSampleId :

TP31-5FT

Tgt Ion:	228	Resp:	69106
Ion	Ratio	Lower	Upper
228	100		
226	35.0	22.5	33.7#
229	23.5	16.6	25.0



#82

Chrysene

Concen: 4.23 ng

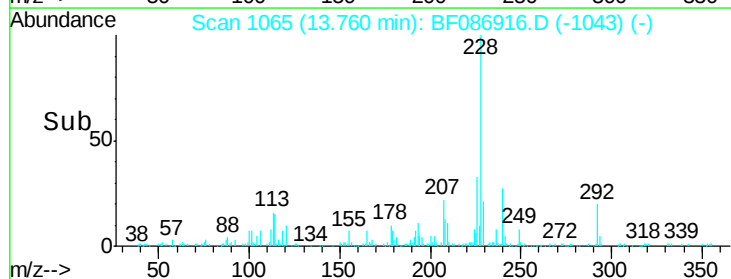
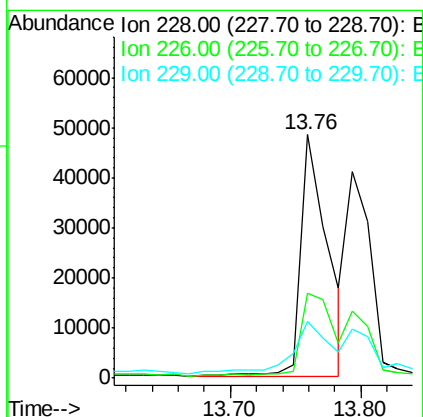
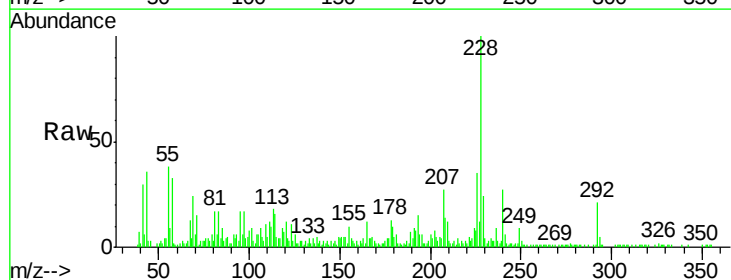
RT: 13.76 min Scan# 1065

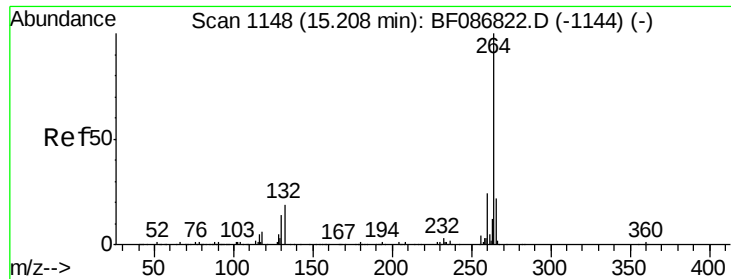
Delta R.T. -0.05 min

Lab File: BF086916.D

Acq: 12 May 2016 4:49

Tgt Ion:	228	Resp:	69106
Ion	Ratio	Lower	Upper
228	100		
226	35.0	24.4	36.6
229	23.5	15.8	23.8



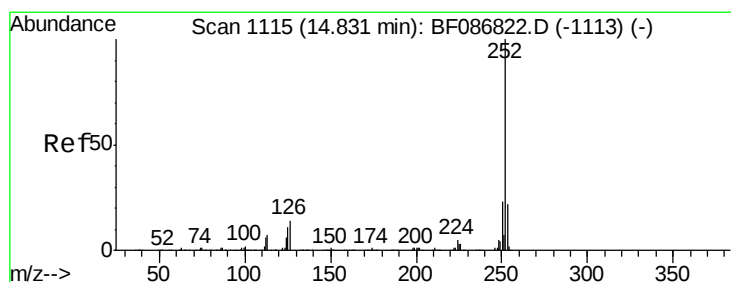
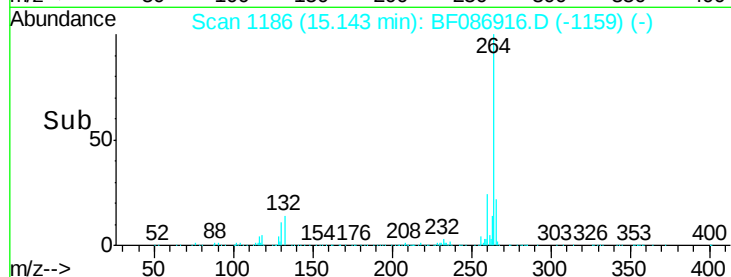
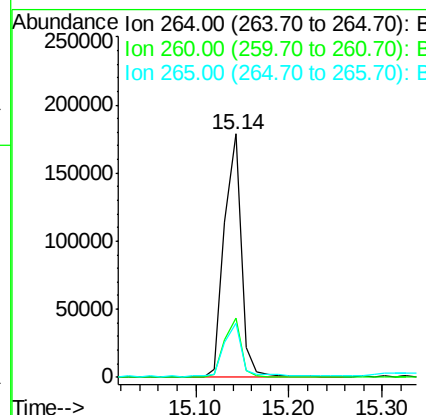
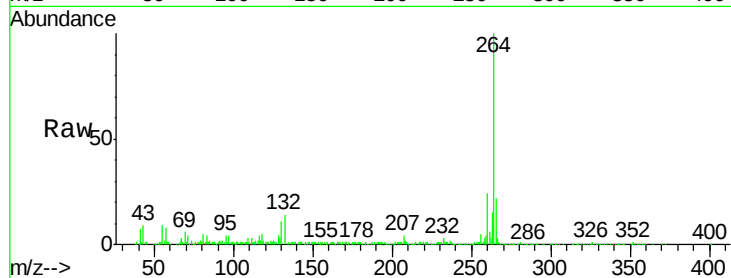


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1186
Delta R.T. 0.01 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Instrument :
BNA_F
ClientSampleId :
TP31-5FT

Tgt Ion: 264 Resp: 224973

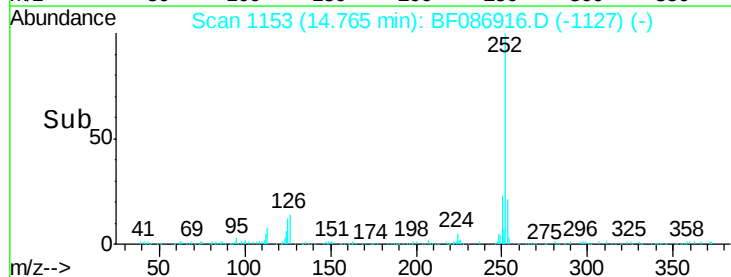
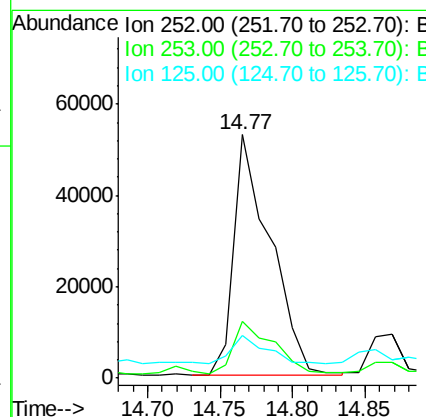
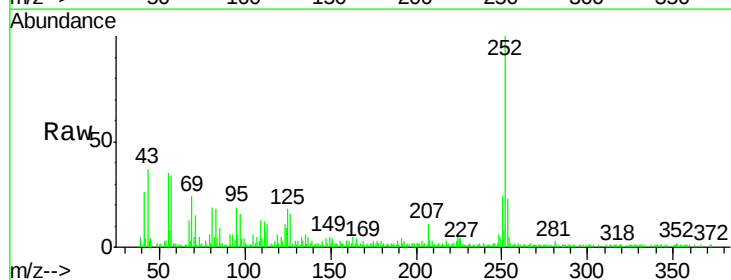
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.0	17.3	25.9

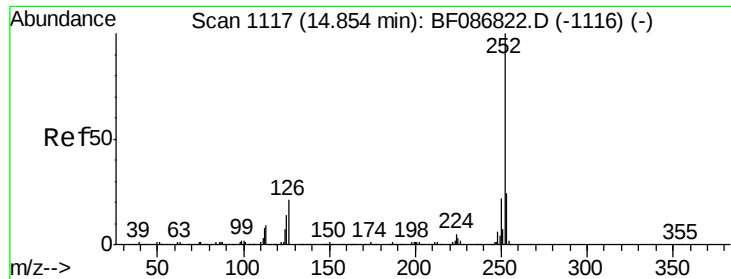


#87
Benzo(b)fluoranthene
Concen: 6.31 ng
RT: 14.77 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion: 252 Resp: 92202

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	17.6	11.4	17.0





#88

Benzo(k)fluoranthene

Concen: 7.70 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.03 min

Lab File: BF086916.D

Acq: 12 May 2016 4:49

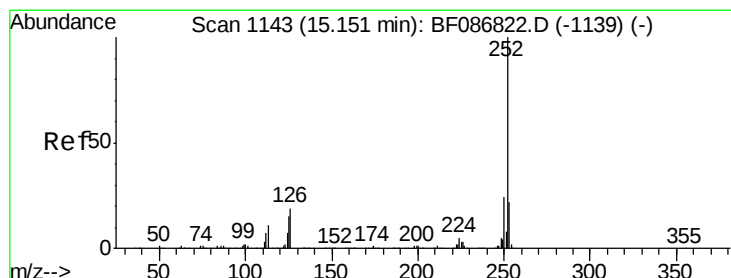
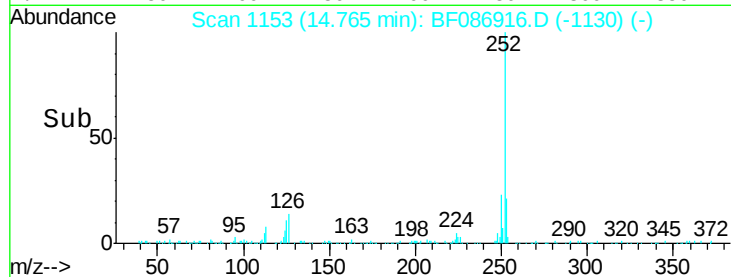
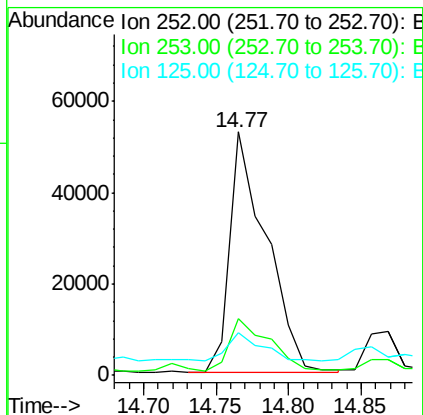
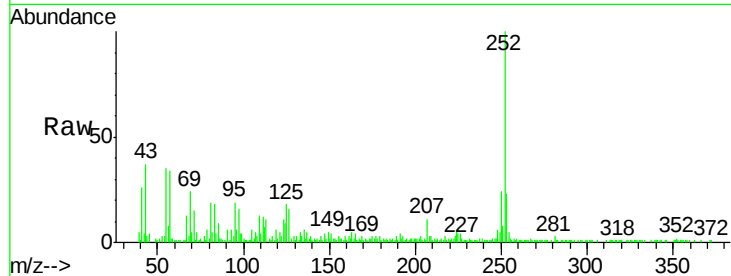
Instrument :

BNA_F

ClientSampleId :

TP31-5FT

Tgt Ion:	252	Resp:	92202
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.6
125	17.6	9.1	13.7#



#89

Benzo(a)pyrene

Concen: 3.69 ng

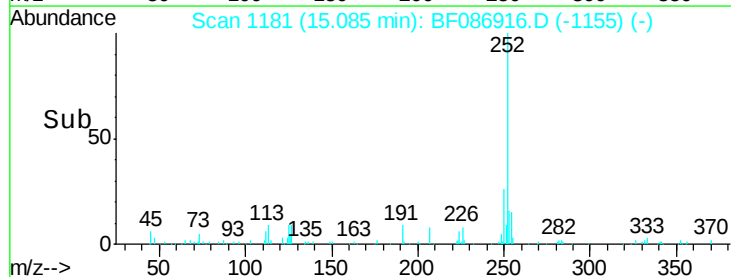
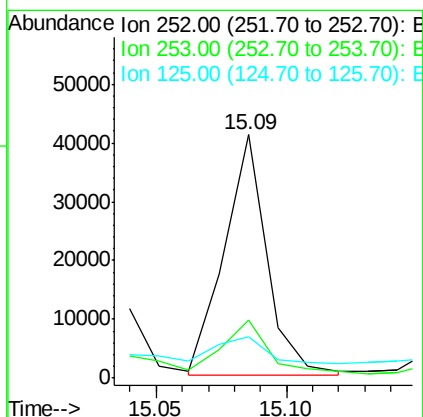
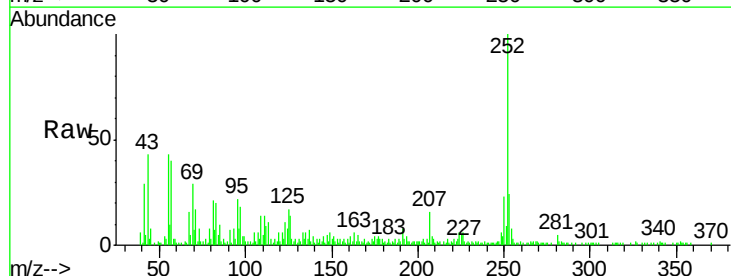
RT: 15.09 min Scan# 1181

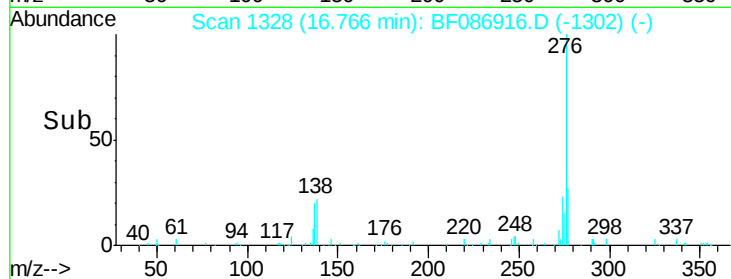
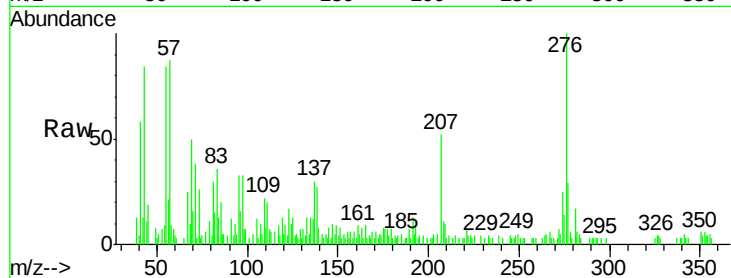
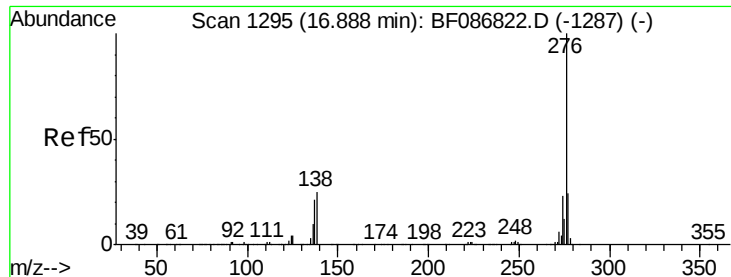
Delta R.T. 0.00 min

Lab File: BF086916.D

Acq: 12 May 2016 4:49

Tgt Ion:	252	Resp:	46490
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.2	25.8
125	17.1	9.0	13.6#





#91

Benzo(g,h,i)perylene

Concen: 2.20 ng

RT: 16.77 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF086916.D

Acq: 12 May 2016 4:49

Instrument :

BNA_F

ClientSampleId :

TP31-5FT

Tgt Ion: 276 Resp: 23803

Ion Ratio Lower Upper

276 100

277 28.7 19.6 29.4

138 26.9 23.6 35.4

