

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
 Data File : BF086411.D
 Acq On : 24 Apr 2016 1:11
 Operator : UM/SJ
 Sample : H2652-15 4X
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B5(0-5)-C

Quant Time: Apr 25 01:00:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 23 00:24:02 2016
 Response via : Initial Calibration

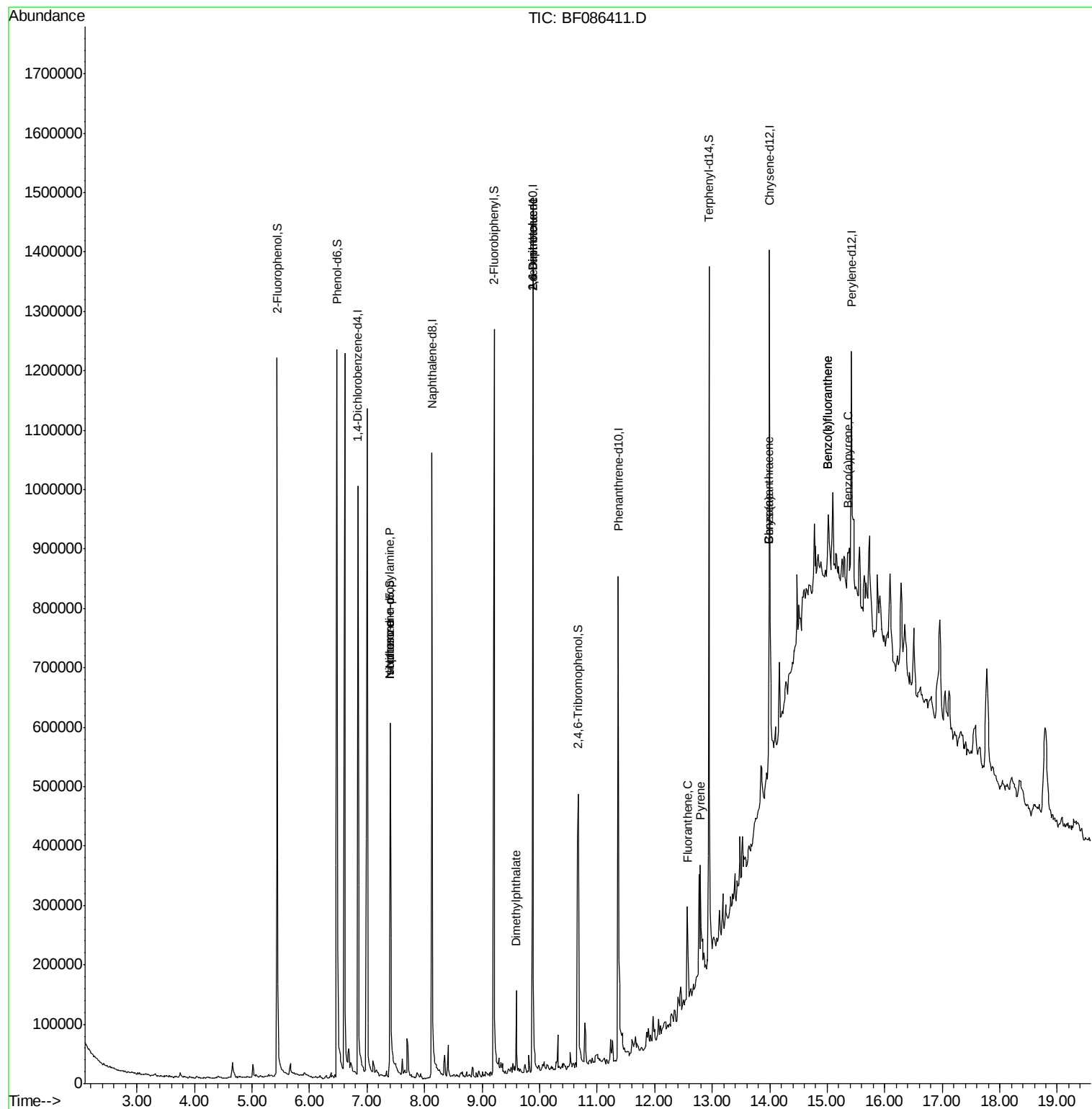
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	171305	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	680858	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	293456	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	498022	20.00	ng	0.00
75) Chrysene-d12	14.00	240	358197	20.00	ng	0.00
86) Perylene-d12	15.43	264	252786	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	402993	40.63	ng	0.01
7) Phenol-d6	6.48	99	538909	39.96	ng	0.00
23) Nitrobenzene-d5	7.40	82	282141	24.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	89603	33.73	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	547654	31.85	ng	0.00
78) Terphenyl-d14	12.94	244	417301	28.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	36408	4.52	ng	# 81
25) Isophorone	7.40	82	247152	10.97	ng	# 68
49) Dimethylphthalate	9.60	163	53495	2.52	ng	99
50) 2,6-Dinitrotoluene	9.88	165	37280	8.14	ng	# 20
56) 2,4-Dinitrotoluene	9.88	165	38273	6.29	ng	# 16
74) Fluoranthene	12.57	202	86802	3.22	ng	97
77) Pyrene	12.80	202	88178	3.53	ng	99
80) Benzo(a)anthracene	13.99	228	46769	2.52	ng	# 87
82) Chrysene	13.99	228	46769	2.23	ng	# 89
87) Benzo(b)fluoranthene	15.01	252	58597	4.22	ng	# 60
88) Benzo(k)fluoranthene	15.01	252	58597	4.30	ng	# 58
89) Benzo(a)pyrene	15.36	252	30945	2.26	ng	# 50

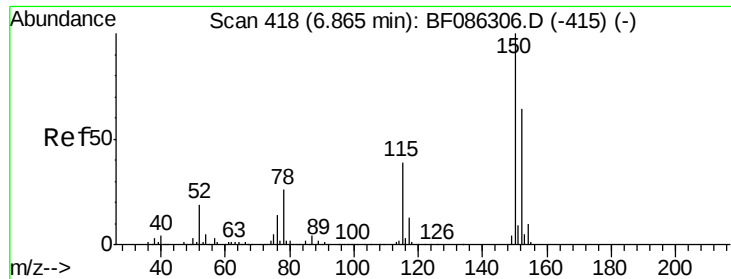
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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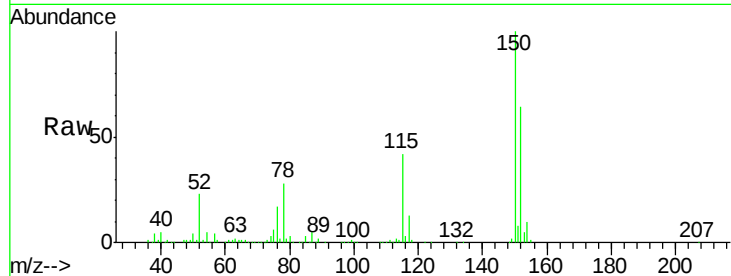


#1

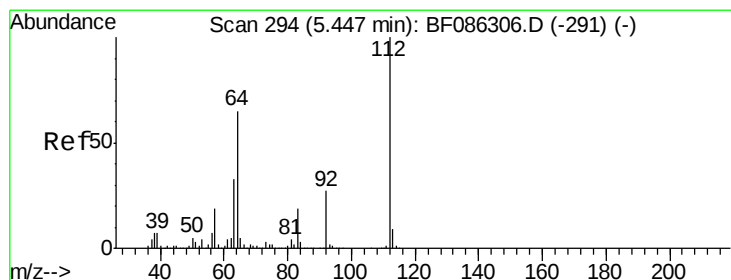
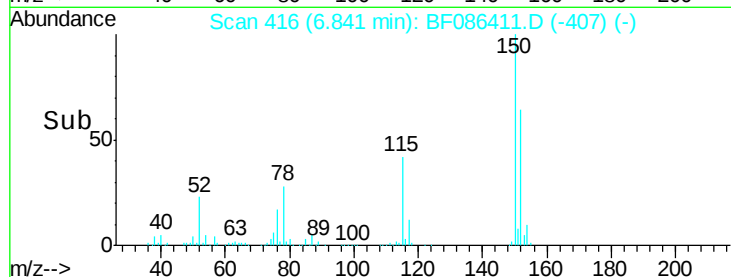
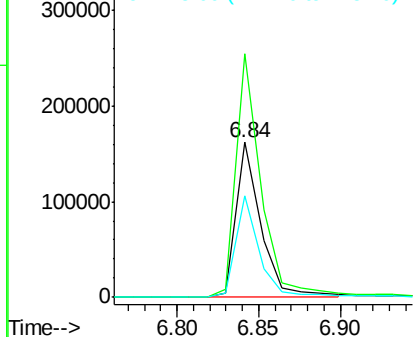
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: BF086411.D
 Acq: 24 Apr 2016 1:11

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B5(0-5)-C

Tgt Ion:152 Resp: 171305
 Ion Ratio Lower Upper
 152 100
 150 157.1 125.8 188.6
 115 65.6 51.5 77.3



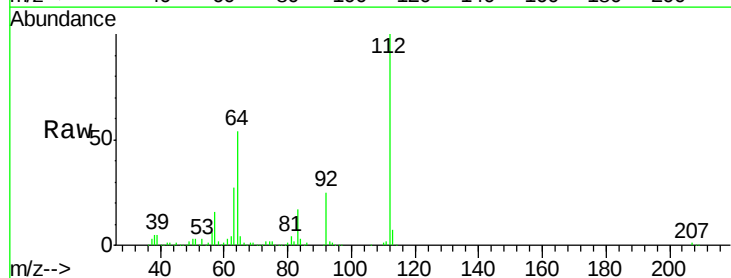
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



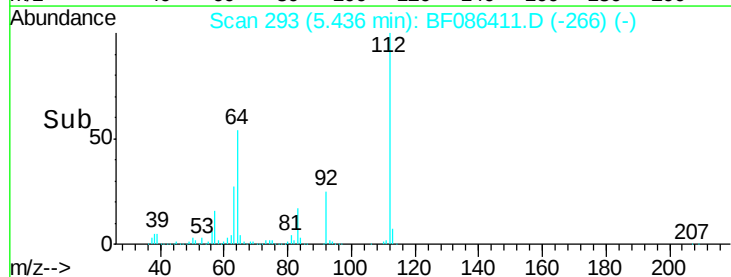
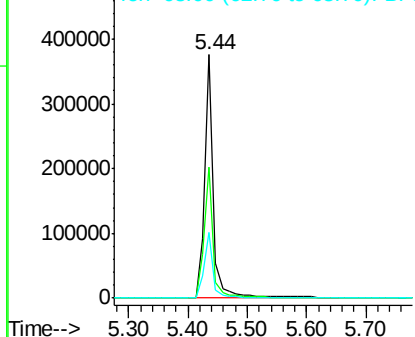
#5

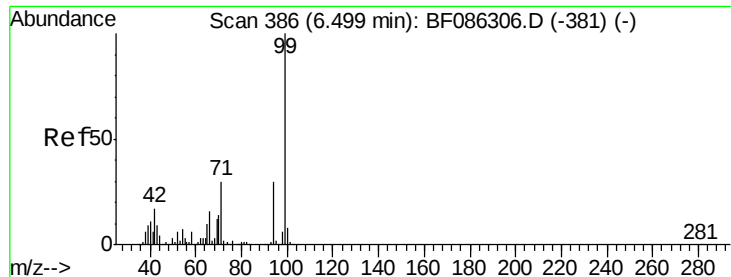
2-Fluorophenol
 Concen: 40.63 ng
 RT: 5.44 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: BF086411.D
 Acq: 24 Apr 2016 1:11

Tgt Ion:112 Resp: 402993
 Ion Ratio Lower Upper
 112 100
 64 53.8 52.1 78.1
 63 26.9 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: 39.96 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF086411.D

Acq: 24 Apr 2016 1:11

Instrument :

BNA_F

ClientSampleId :

WPG-B5(0-5)-C

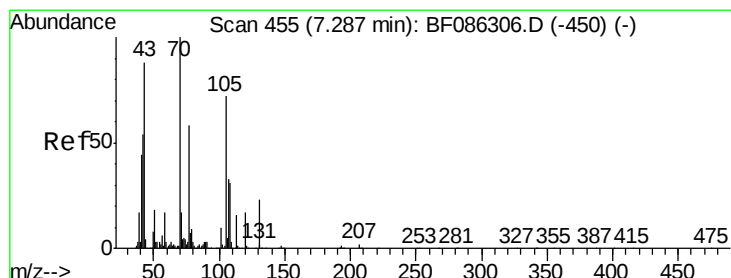
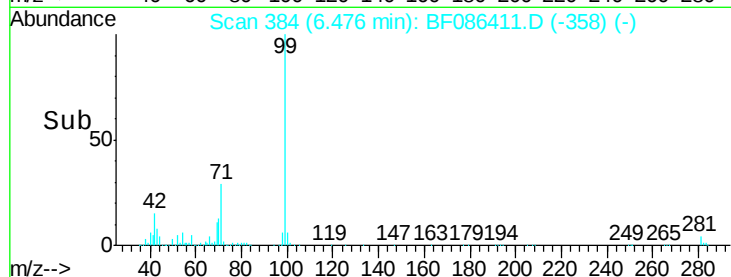
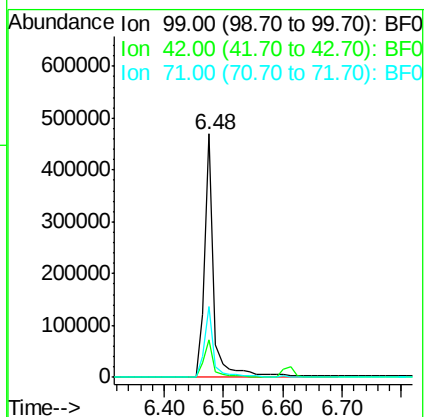
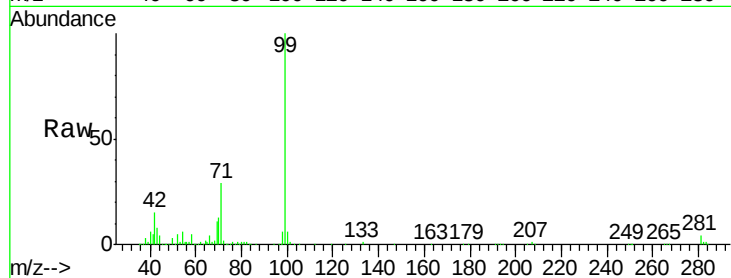
Tgt Ion: 99 Resp: 538909

Ion Ratio Lower Upper

99 100

42 15.4 13.6 20.4

71 29.3 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 4.52 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.14 min

Lab File: BF086411.D

Acq: 24 Apr 2016 1:11

Tgt Ion: 70 Resp: 36408

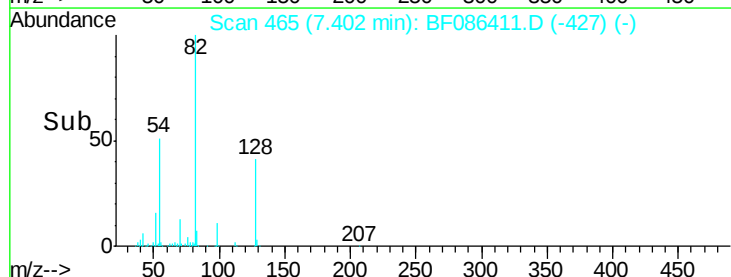
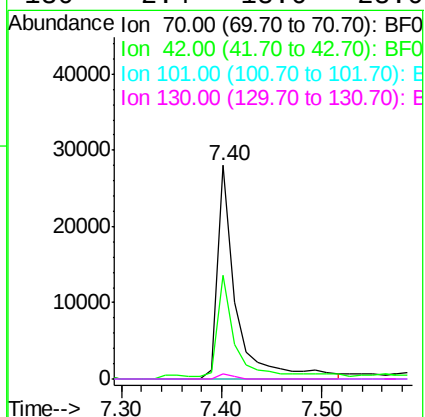
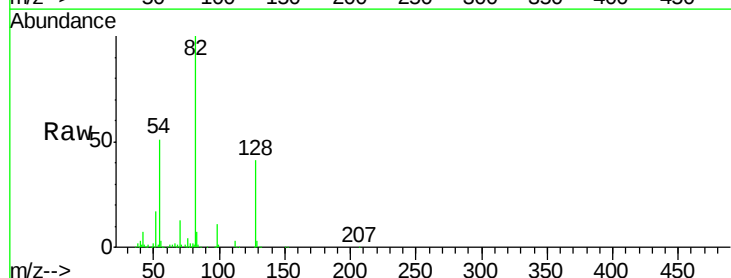
Ion Ratio Lower Upper

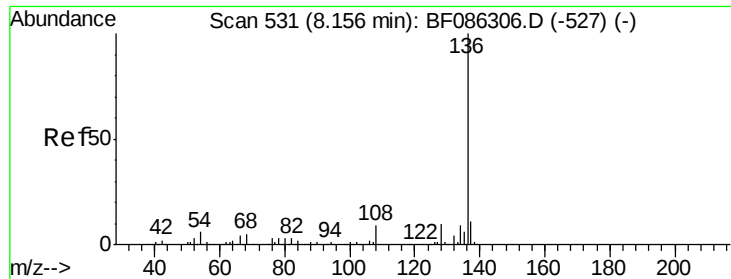
70 100

42 48.4 43.1 64.7

101 0.0 8.1 12.1#

130 2.4 18.6 28.0#

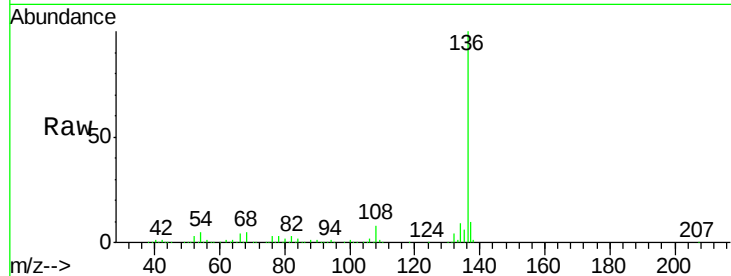




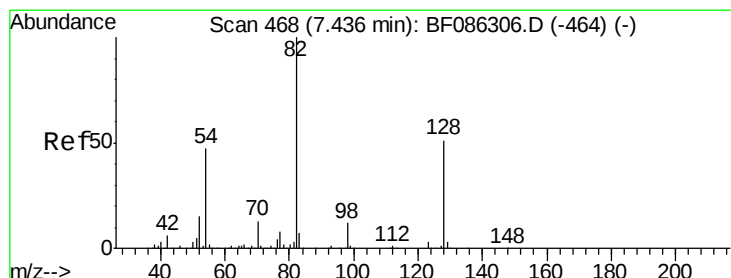
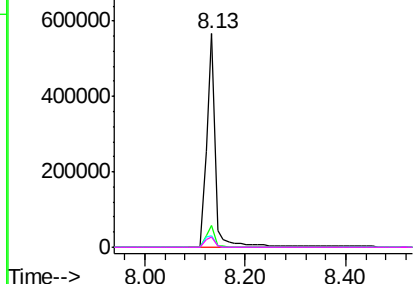
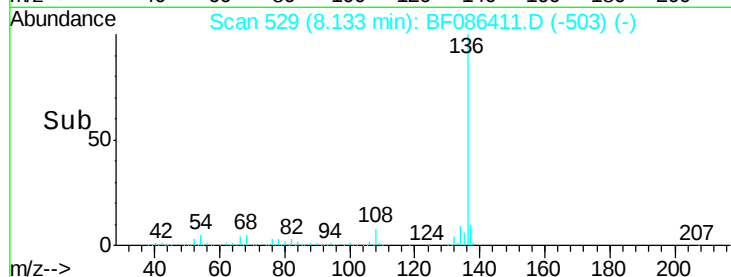
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.00 min
Lab File: BF086411.D
Acq: 24 Apr 2016 1:11

Instrument :
BNA_F
ClientSampleId :
WPG-B5(0-5)-C

Tgt Ion:	136	Resp:	680858
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	5.3	5.0	7.4
68	4.6	4.4	6.6

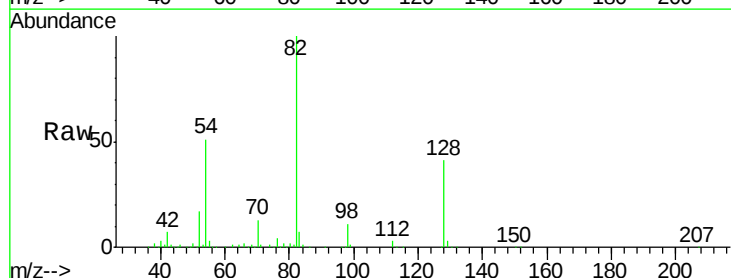


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

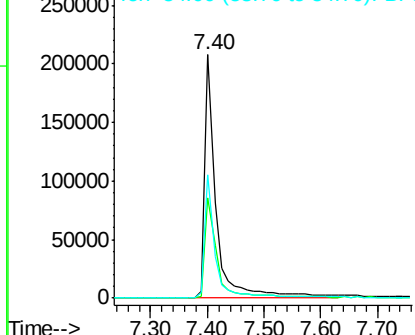
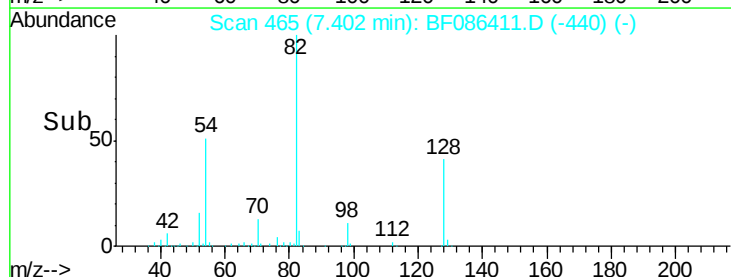


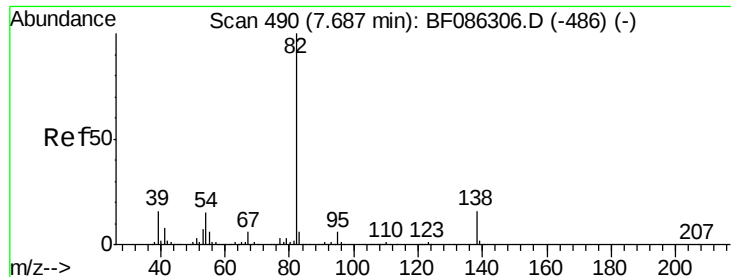
#23
Nitrobenzene-d5
Concen: 24.55 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF086411.D
Acq: 24 Apr 2016 1:11

Tgt Ion:	82	Resp:	282141
Ion	Ratio	Lower	Upper
82	100		
128	41.2	40.6	61.0
54	50.7	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: 10.97 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.26 min

Lab File: BF086411.D

Acq: 24 Apr 2016 1:11

Instrument :

BNA_F

ClientSampleId :

WPG-B5(0-5)-C

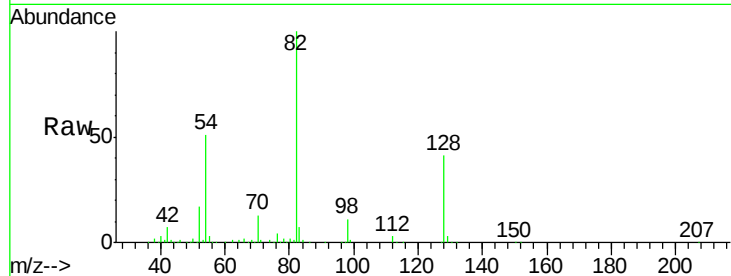
Tgt Ion: 82 Resp: 247152

Ion Ratio Lower Upper

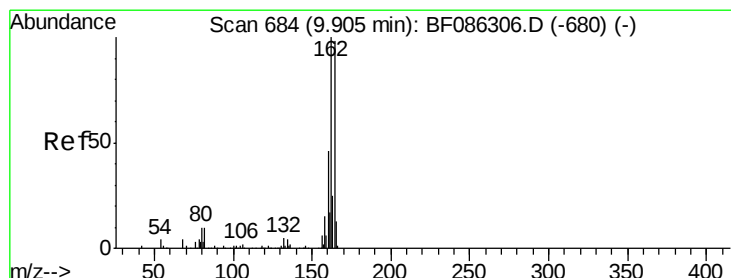
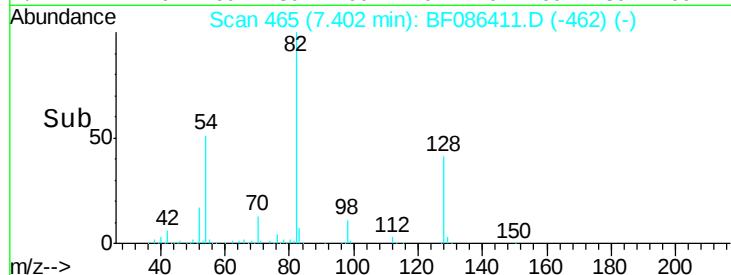
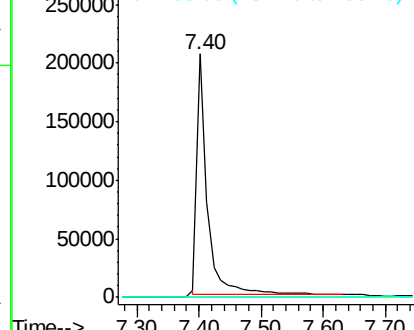
82 100

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: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.00 min

Lab File: BF086411.D

Acq: 24 Apr 2016 1:11

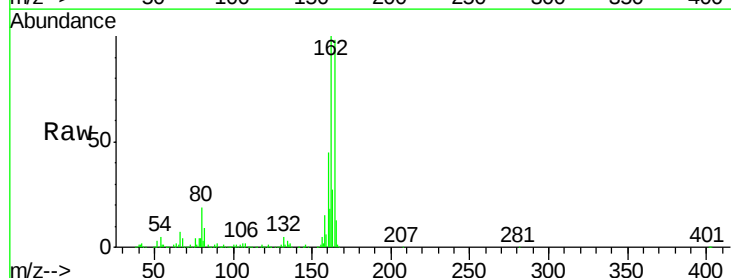
Tgt Ion: 164 Resp: 293456

Ion Ratio Lower Upper

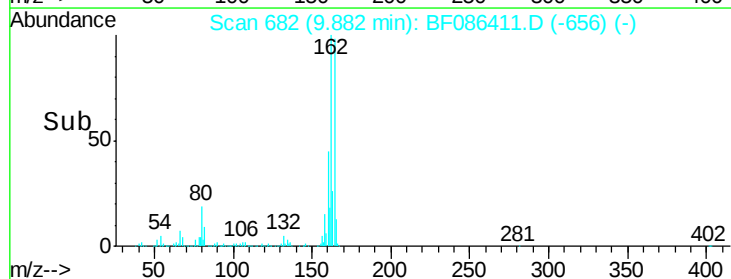
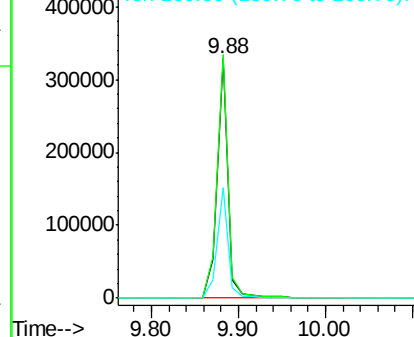
164 100

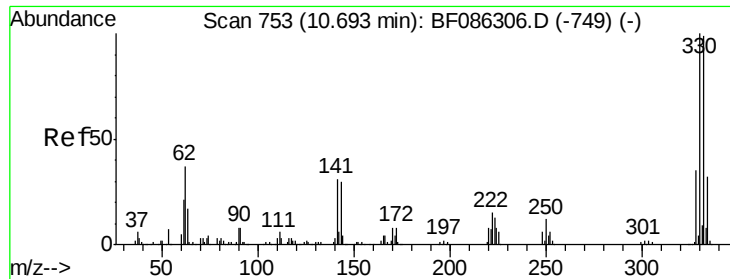
162 101.7 82.8 124.2

160 46.1 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

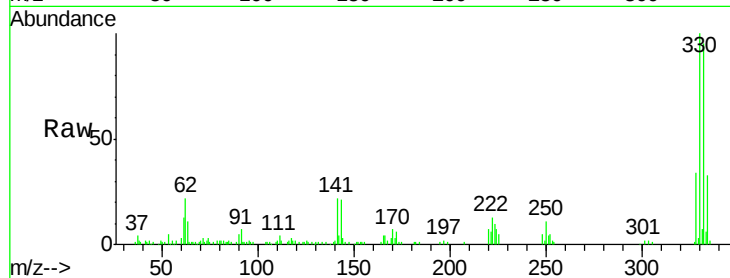




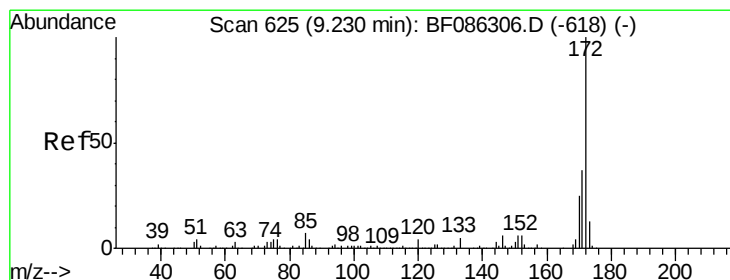
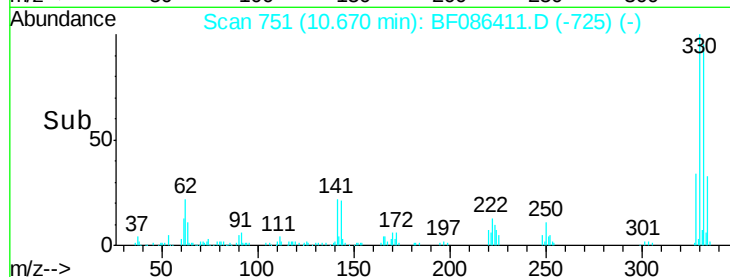
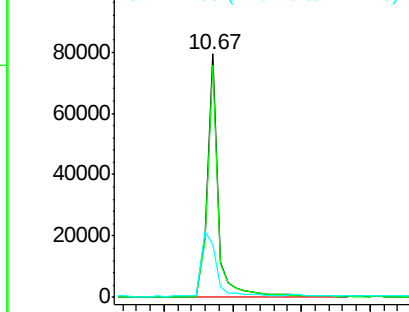
#41
 2,4,6-Tribromophenol
 Concen: 33.73 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF086411.D
 Acq: 24 Apr 2016 1:11

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B5(0-5)-C

Tgt Ion:330 Resp: 89603
 Ion Ratio Lower Upper
 330 100
 332 95.6 79.0 118.4
 141 38.8 31.2 46.8

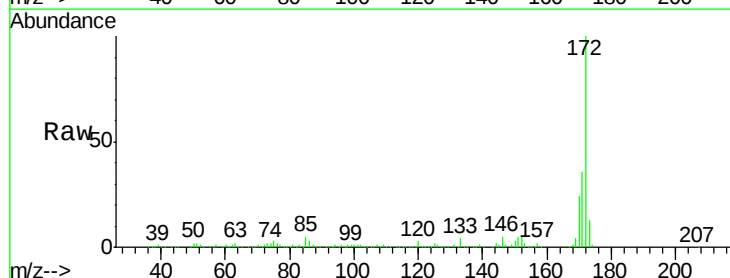


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

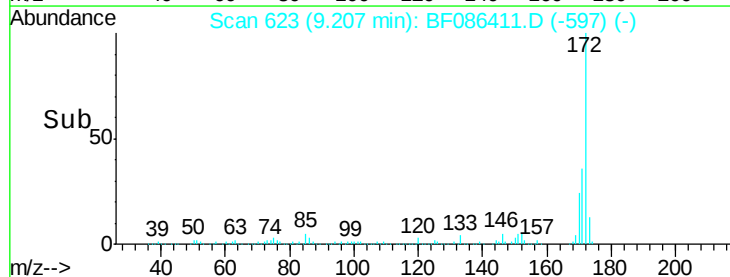
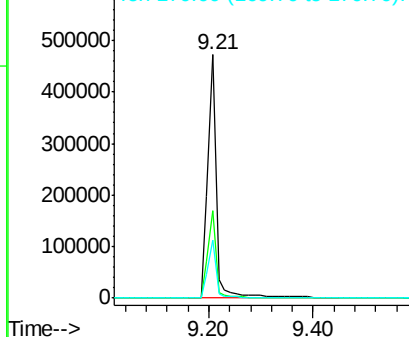


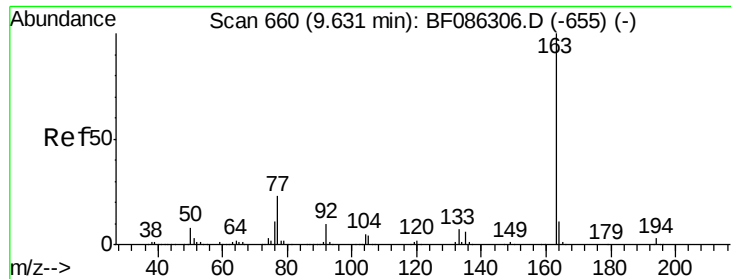
#44
 2-Fluorobiphenyl
 Concen: 31.85 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086411.D
 Acq: 24 Apr 2016 1:11

Tgt Ion:172 Resp: 547654
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.6
 170 23.9 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

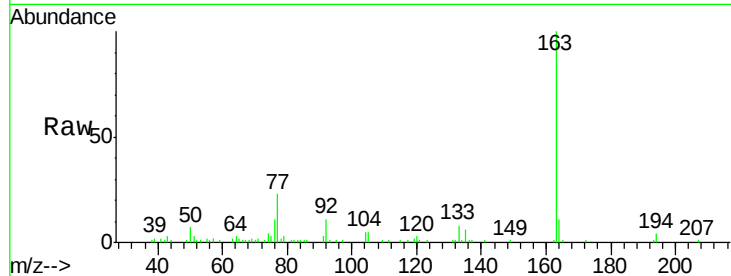




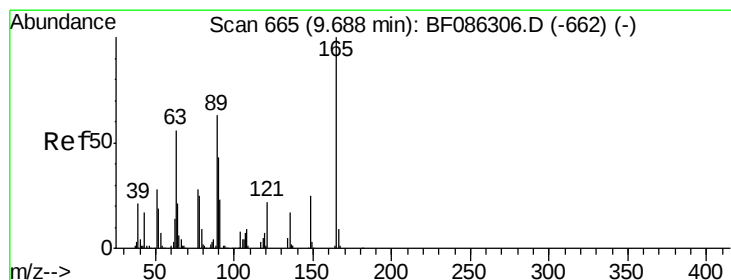
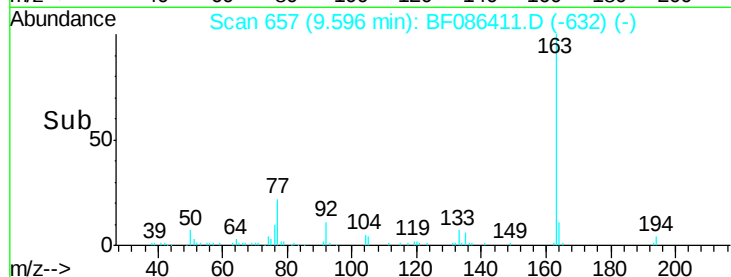
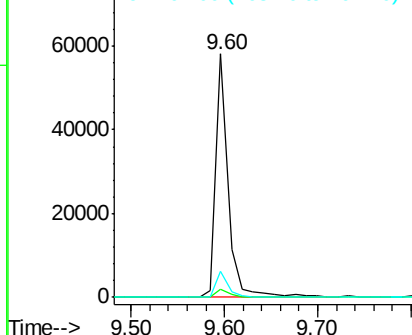
#49
Dimethylphthalate
Concen: 2.52 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF086411.D
Acq: 24 Apr 2016 1:11

Instrument :
BNA_F
ClientSampleId :
WPG-B5(0-5)-C

Tgt Ion:163 Resp: 53495
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.7 8.2 12.4

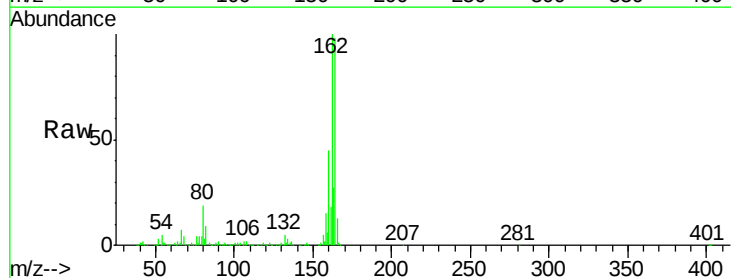


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

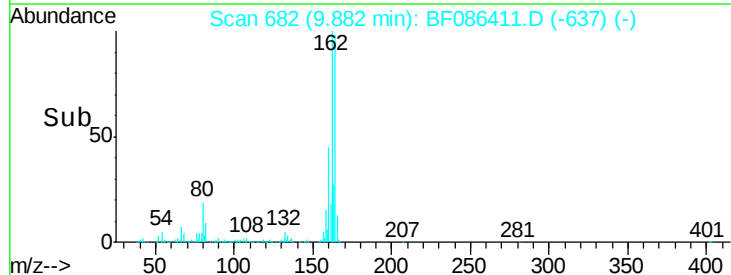
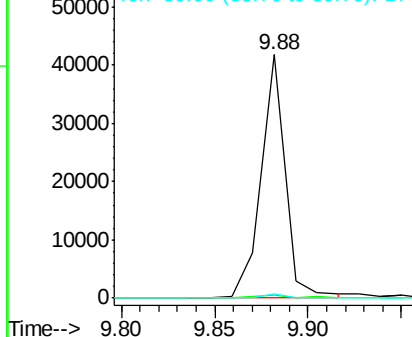


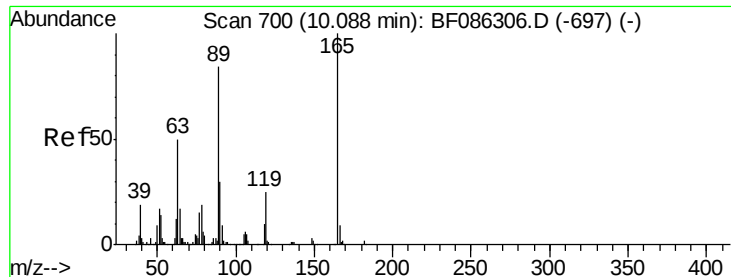
#50
2,6-Dinitrotoluene
Concen: 8.14 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.22 min
Lab File: BF086411.D
Acq: 24 Apr 2016 1:11

Tgt Ion:165 Resp: 37280
Ion Ratio Lower Upper
165 100
63 1.4 51.8 77.8#
89 1.5 50.7 76.1#



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

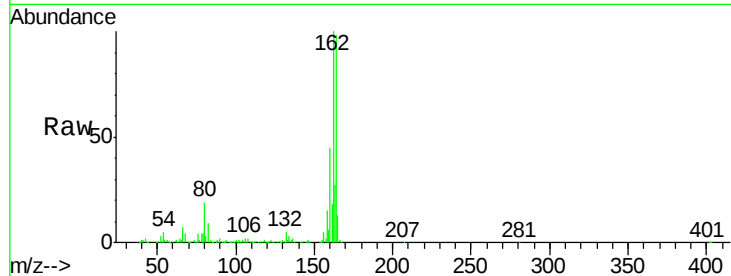




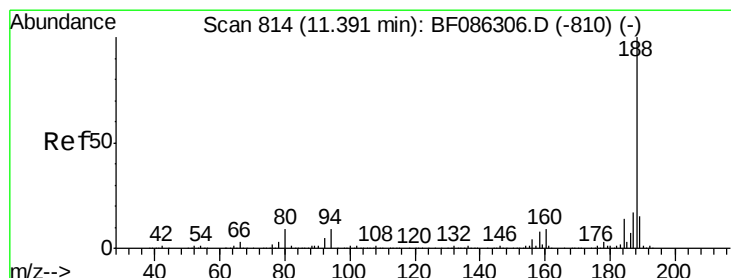
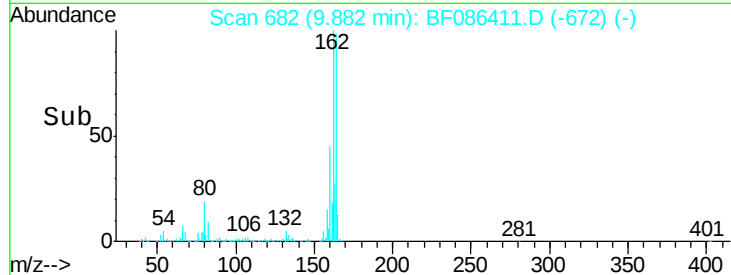
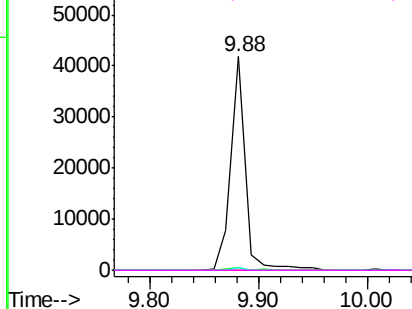
#56
 2,4-Dinitrotoluene
 Concen: 6.29 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.18 min
 Lab File: BF086411.D
 Acq: 24 Apr 2016 1:11

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B5(0-5)-C

Tgt Ion:165 Resp: 38273
 Ion Ratio Lower Upper
 165 100
 63 1.4 44.3 66.5#
 89 1.5 70.0 105.0#
 182 0.0 1.8 2.6#

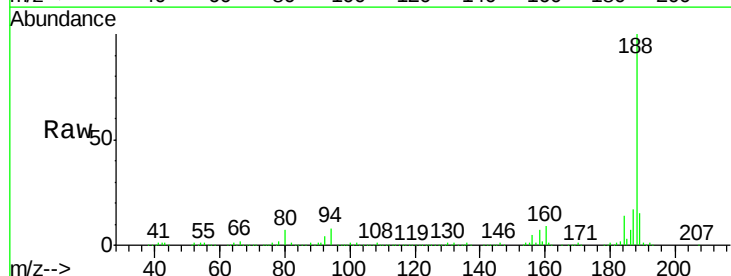


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

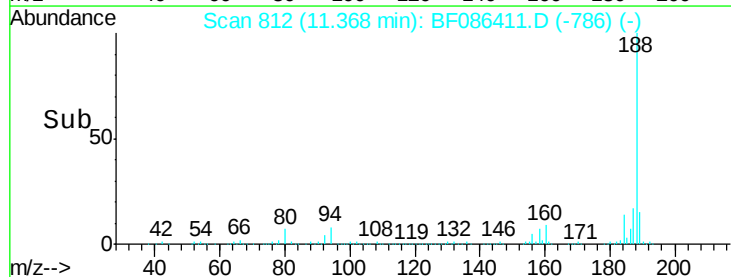
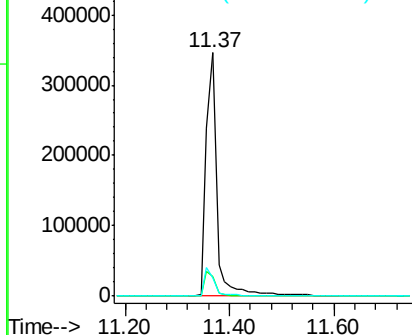


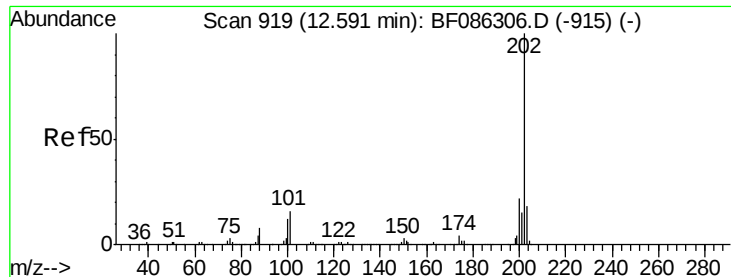
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF086411.D
 Acq: 24 Apr 2016 1:11

Tgt Ion:188 Resp: 498022
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.8 10.2
 80 7.3 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





#74

Fluoranthene

Concen: 3.22 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF086411.D

Acq: 24 Apr 2016 1:11

Instrument :

BNA_F

ClientSampleId :

WPG-B5(0-5)-C

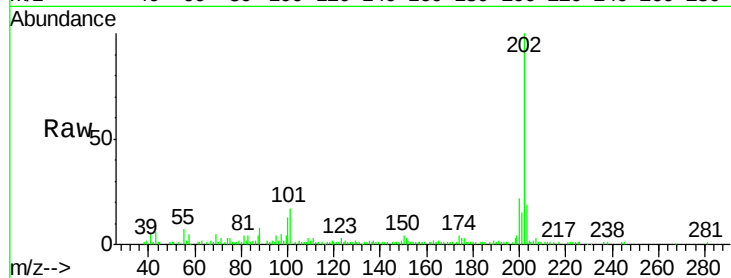
Tgt Ion:202 Resp: 86802

Ion Ratio Lower Upper

202 100

101 16.9 0.0 35.4

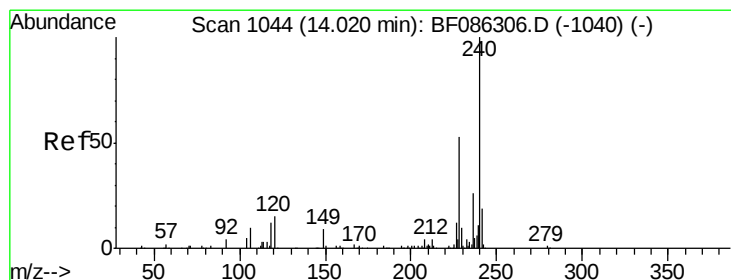
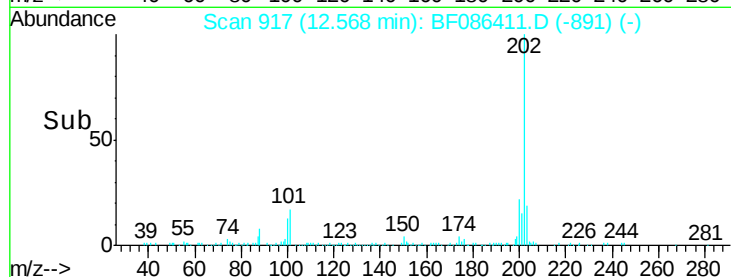
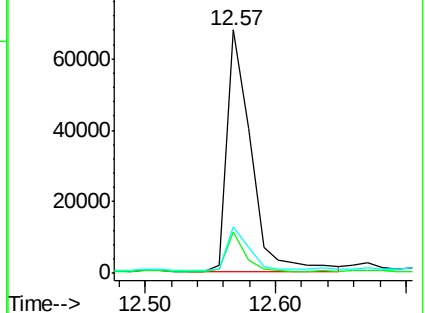
203 19.3 0.0 38.1



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: 14.00 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF086411.D

Acq: 24 Apr 2016 1:11

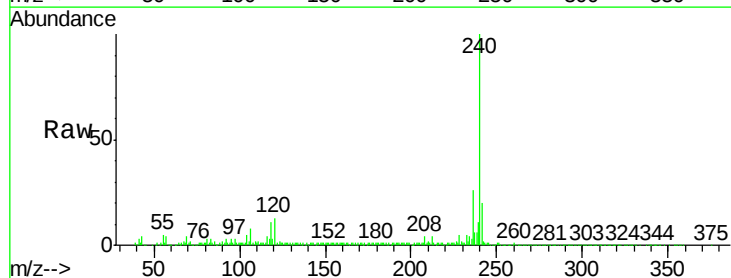
Tgt Ion:240 Resp: 358197

Ion Ratio Lower Upper

240 100

120 12.9 11.2 16.8

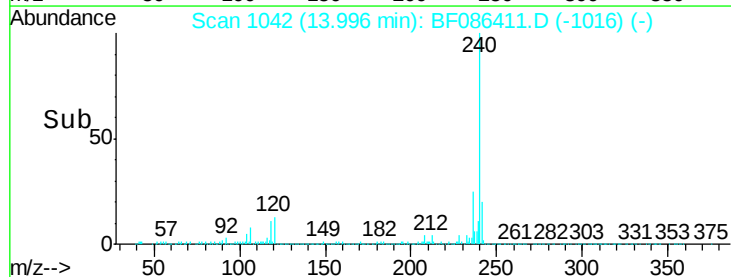
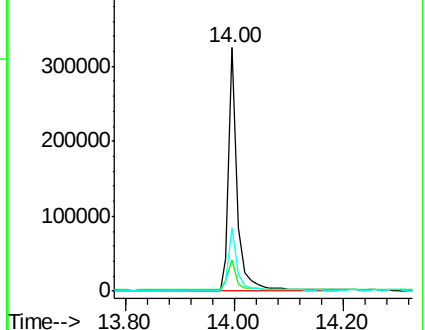
236 25.7 21.2 31.8

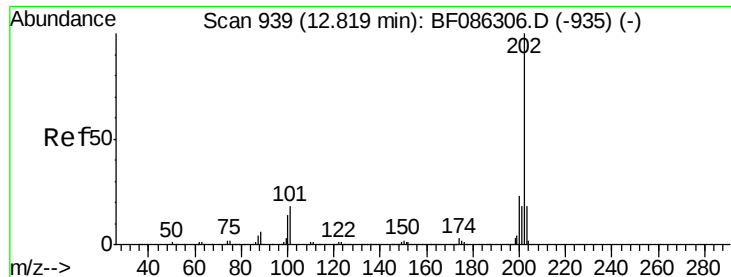


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.53 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF086411.D

Acq: 24 Apr 2016 1:11

Instrument :

BNA_F

ClientSampleId :

WPG-B5(0-5)-C

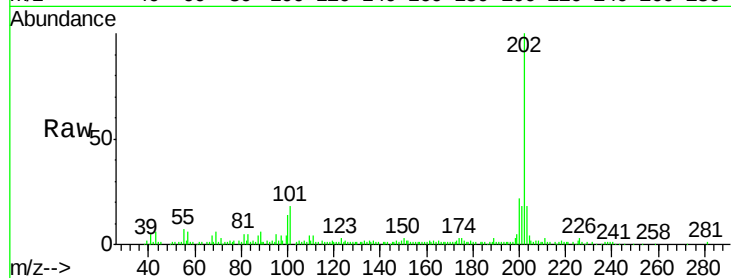
Tgt Ion:202 Resp: 88178

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

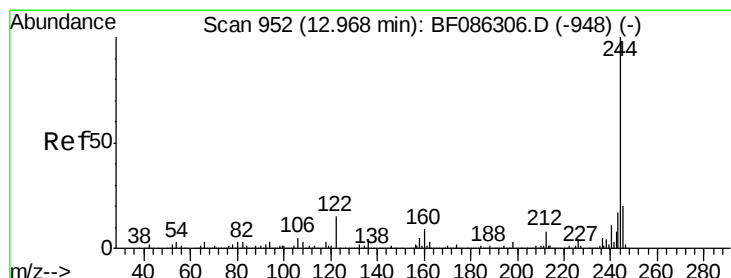
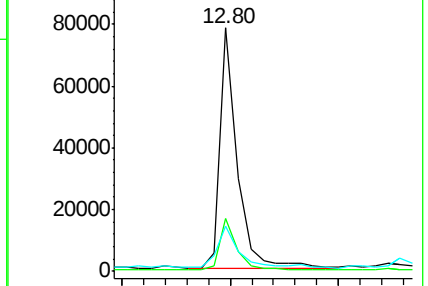
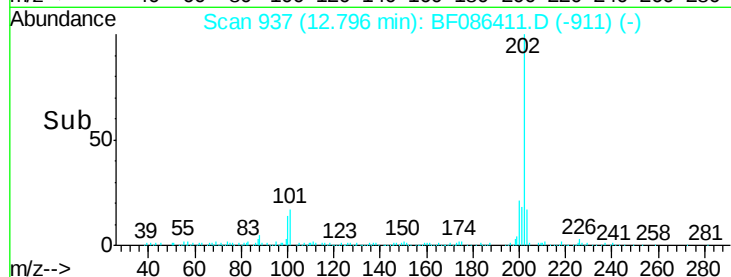
203 18.3 14.2 21.4



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: 28.95 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.00 min

Lab File: BF086411.D

Acq: 24 Apr 2016 1:11

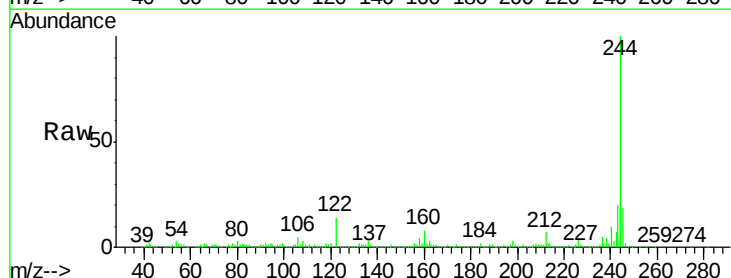
Tgt Ion:244 Resp: 417301

Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

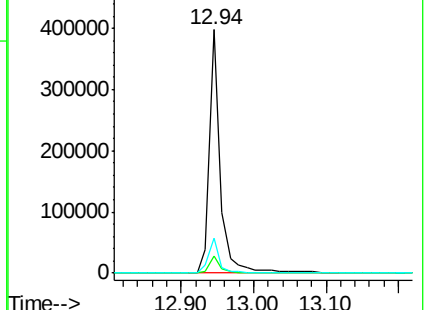
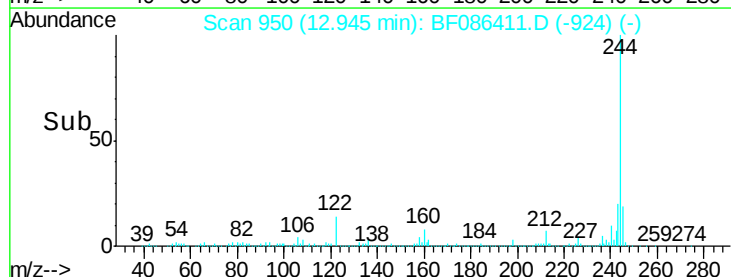
122 14.2 12.0 18.0

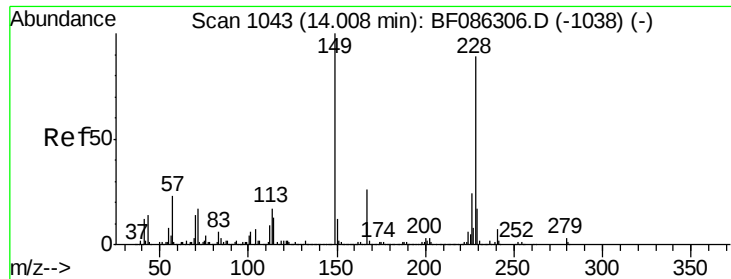


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

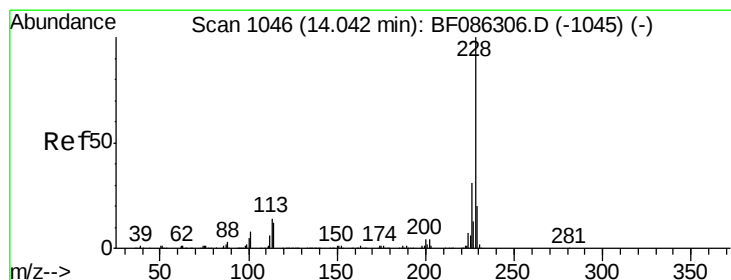
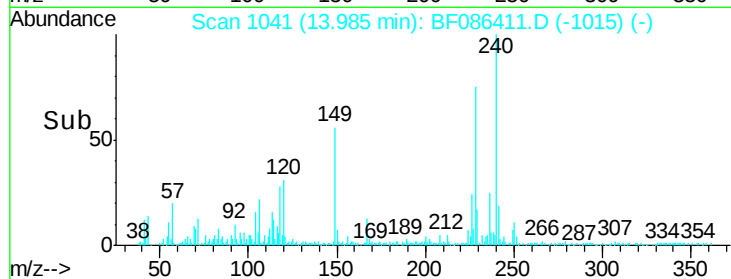
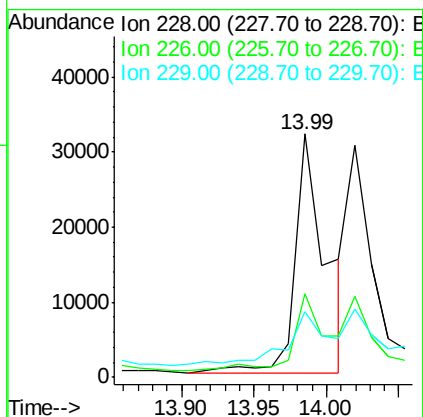
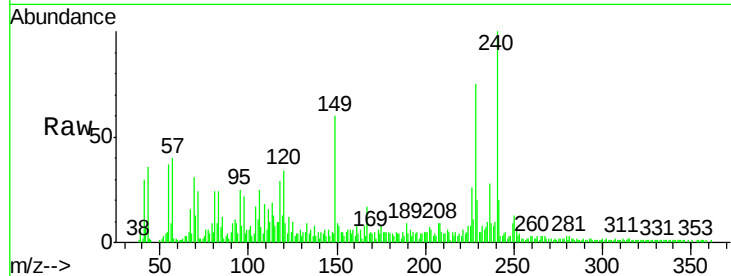




#80
Benzo(a)anthracene
Concen: 2.52 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF086411.D
Acq: 24 Apr 2016 1:11

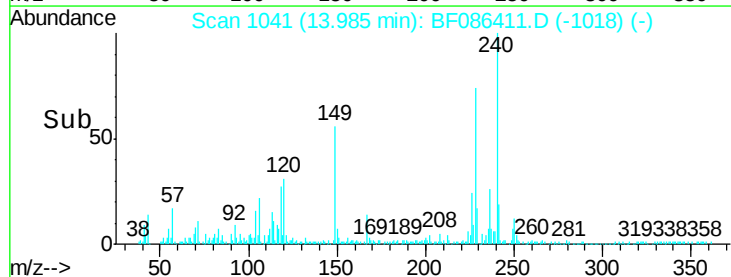
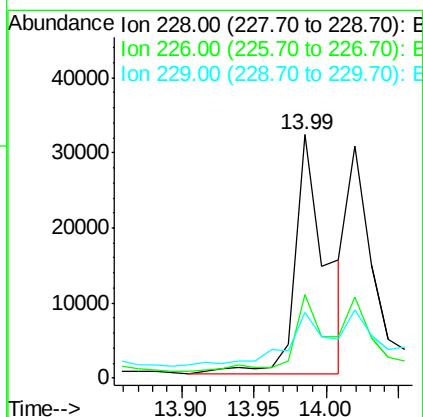
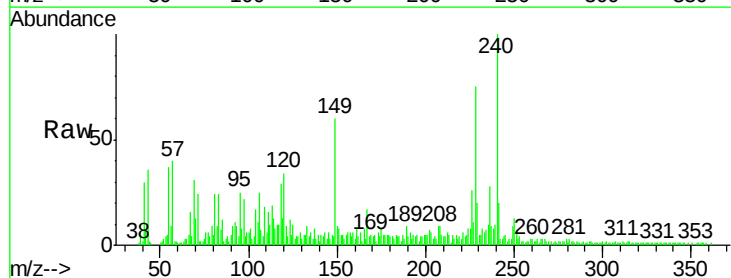
Instrument :
BNA_F
ClientSampleId :
WPG-B5(0-5)-C

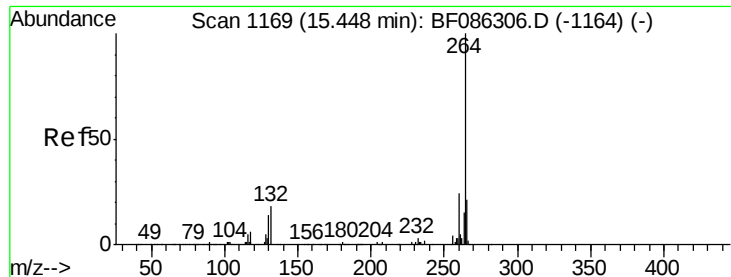
Tgt Ion:228 Resp: 46769
Ion Ratio Lower Upper
228 100
226 34.5 22.5 33.7#
229 27.1 16.6 25.0#



#82
Chrysene
Concen: 2.23 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF086411.D
Acq: 24 Apr 2016 1:11

Tgt Ion:228 Resp: 46769
Ion Ratio Lower Upper
228 100
226 34.5 24.4 36.6
229 27.1 15.8 23.8#



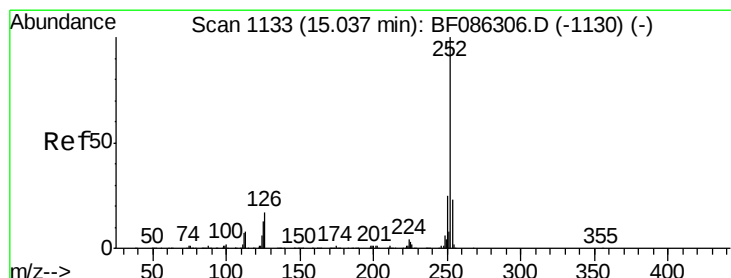
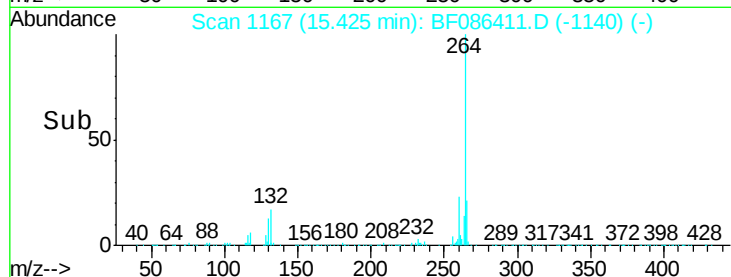
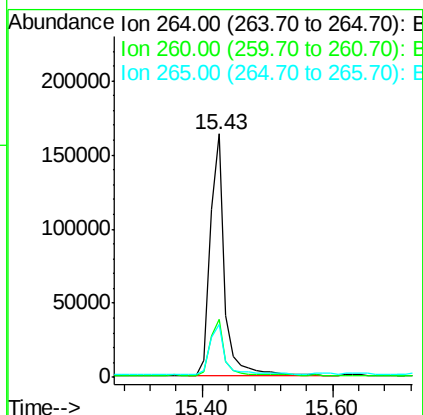
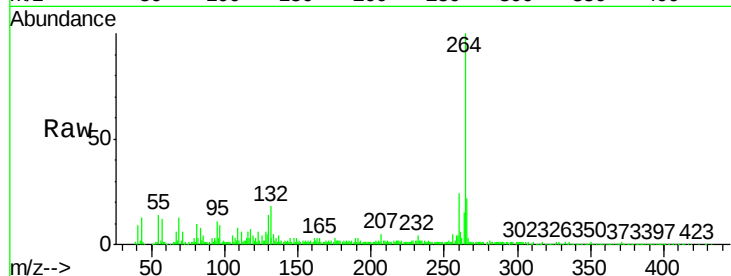


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF086411.D
Acq: 24 Apr 2016 1:11

Instrument :
BNA_F
ClientSampleId :
WPG-B5(0-5)-C

Tgt Ion: 264 Resp: 252786

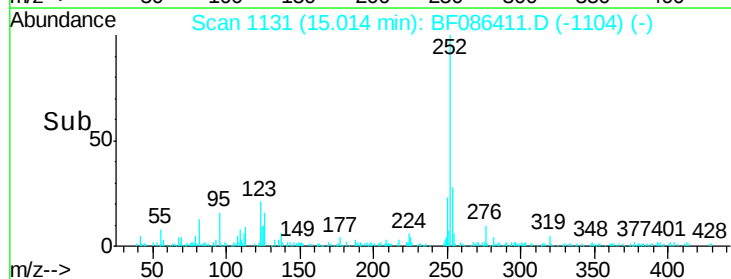
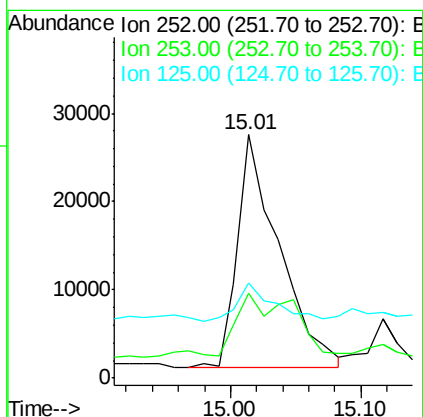
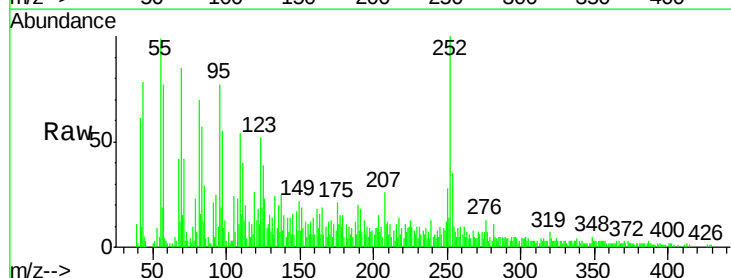
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.0	17.3	25.9

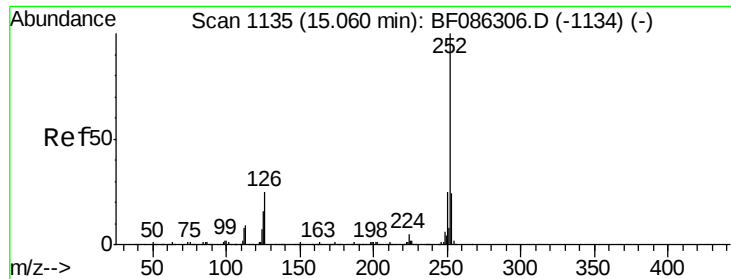


#87
Benzo(b)fluoranthene
Concen: 4.22 ng
RT: 15.01 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF086411.D
Acq: 24 Apr 2016 1:11

Tgt Ion: 252 Resp: 58597

Ion	Ratio	Lower	Upper
252	100		
253	35.1	17.8	26.6#
125	39.1	11.4	17.0#

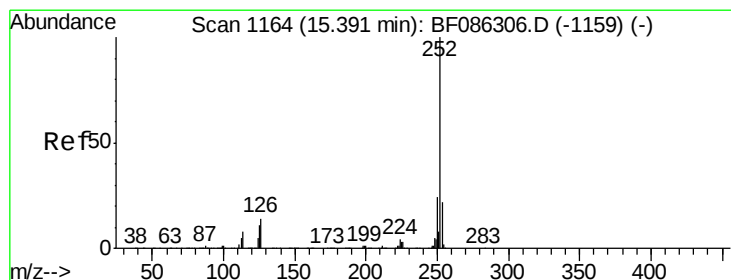
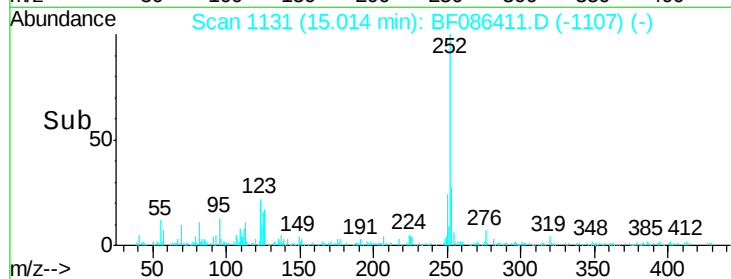
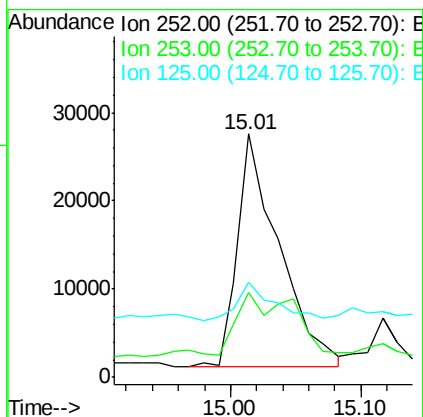
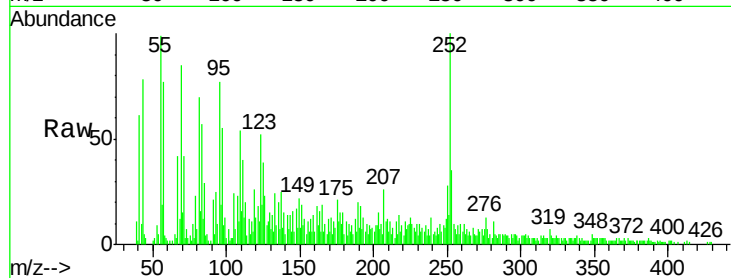




#88
Benzo(k)fluoranthene
Concen: 4.30 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF086411.D
Acq: 24 Apr 2016 1:11

Instrument :
BNA_F
ClientSampleId :
WPG-B5(0-5)-C

Tgt Ion:252 Resp: 58597
Ion Ratio Lower Upper
252 100
253 35.1 17.8 26.6#
125 39.1 9.1 13.7#



#89
Benzo(a)pyrene
Concen: 2.26 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF086411.D
Acq: 24 Apr 2016 1:11

Tgt Ion:252 Resp: 30945
Ion Ratio Lower Upper
252 100
253 33.2 17.2 25.8#
125 48.3 9.0 13.6#

