

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086427.D
 Acq On : 27 Apr 2016 16:41
 Operator : UM/SJ
 Sample : H2652-13 4X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B6(0-6.5)-C

Quant Time: Apr 27 18:16:52 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

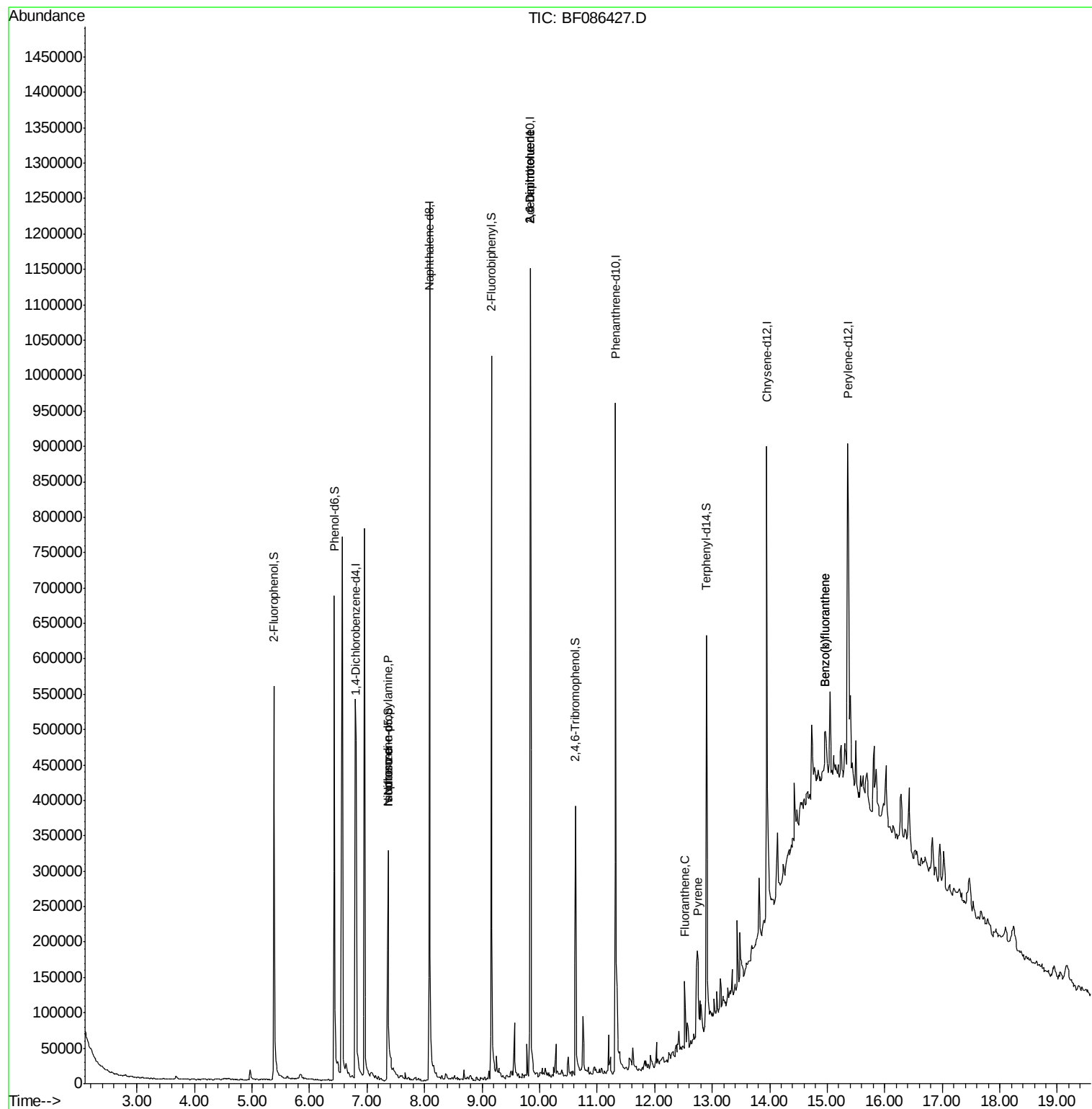
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	124458	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	564445	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	244206	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	423538	20.00	ng	0.00
75) Chrysene-d12	13.95	240	283851	20.00	ng	-0.01
86) Perylene-d12	15.36	264	293447	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	209943	29.10	ng	-0.01
7) Phenol-d6	6.43	99	303036	30.09	ng	-0.01
23) Nitrobenzene-d5	7.37	82	178073	17.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	58997	22.91	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	339164	16.74	ng	-0.01
78) Terphenyl-d14	12.90	244	207797	16.13	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	22029	3.31	ng	# 78
25) Isophorone	7.37	82	117267	5.82	ng	# 68
50) 2,6-Dinitrotoluene	9.84	165	31481	8.29	ng	# 21
56) 2,4-Dinitrotoluene	9.84	165	32160	6.64	ng	# 16
74) Fluoranthene	12.52	202	58139	2.59	ng	97
77) Pyrene	12.75	202	50428	2.47	ng	97
87) Benzo(b)fluoranthene	14.96	252	48336	2.80	ng	# 66
88) Benzo(k)fluoranthene	14.96	252	48336	2.68	ng	# 63

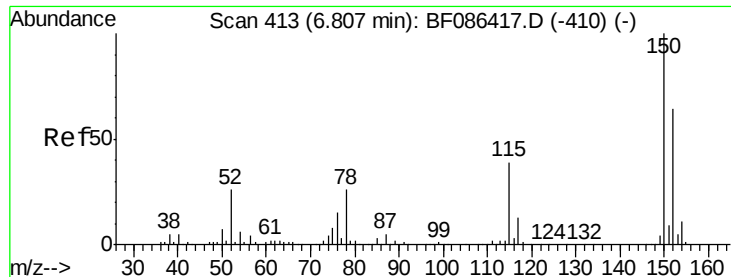
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086427.D

Acq: 27 Apr 2016 16:41

Instrument :

BNA_F

ClientSampleId :

WPG-B6(0-6.5)-C

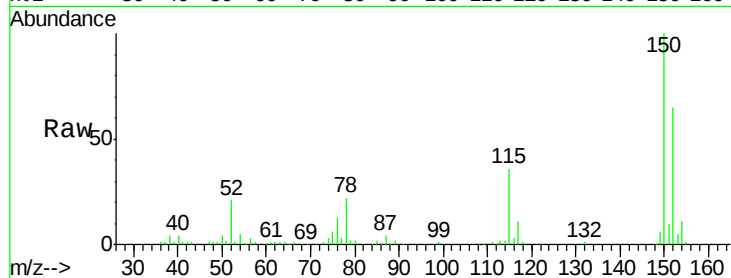
Tot Ion:152 Resp: 124458

Ion Ratio Lower Upper

152 100

150 154.2 125.8 188.6

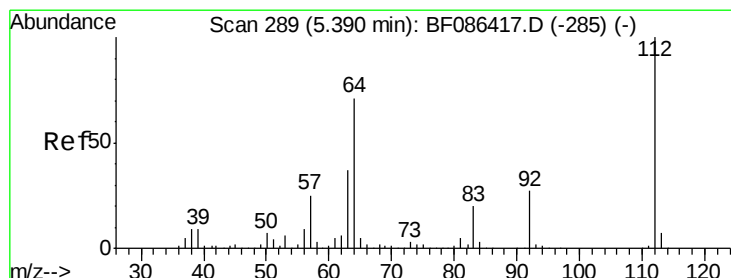
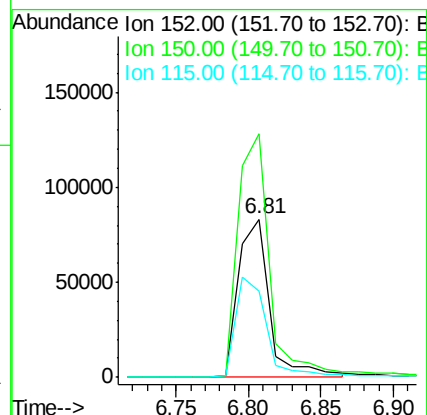
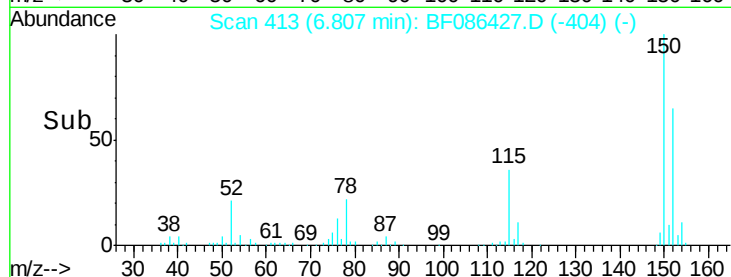
115 54.9 51.5 77.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 29.10 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.01 min

Lab File: BF086427.D

Acq: 27 Apr 2016 16:41

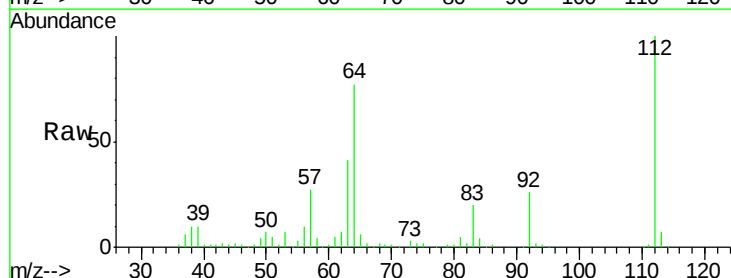
Tgt Ion:112 Resp: 209943

Ion Ratio Lower Upper

112 100

64 76.9 52.1 78.1

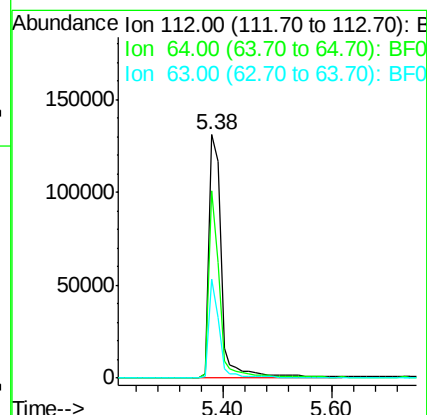
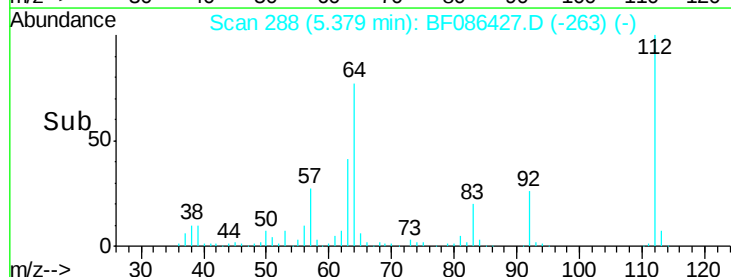
63 40.8 25.7 38.5#

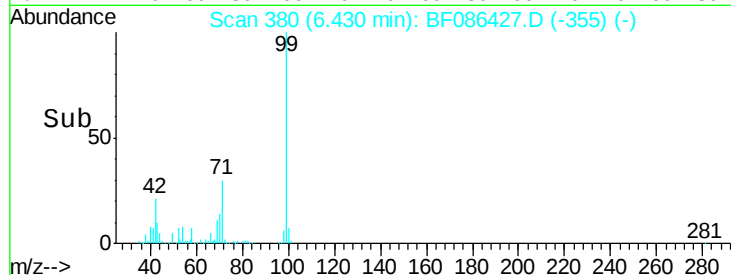
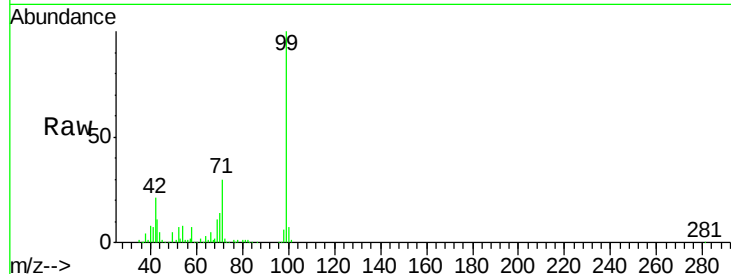
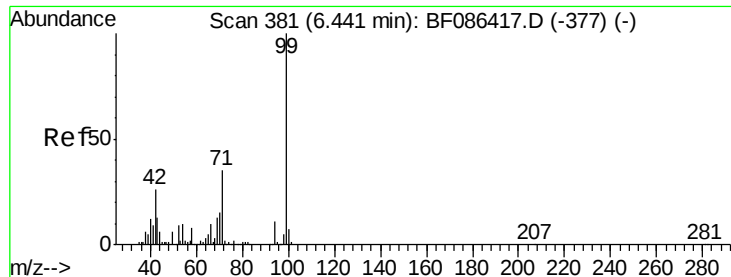


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 30.09 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086427.D

Acq: 27 Apr 2016 16:41

Instrument :

BNA_F

ClientSampleId :

WPG-B6(0-6.5)-C

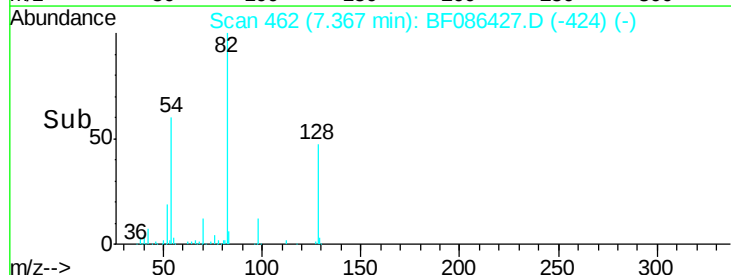
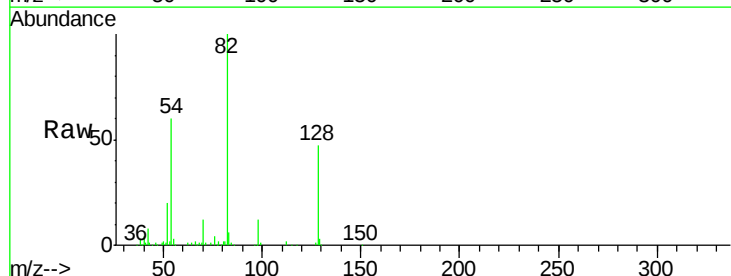
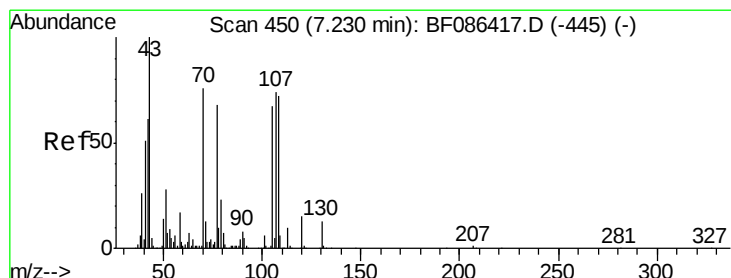
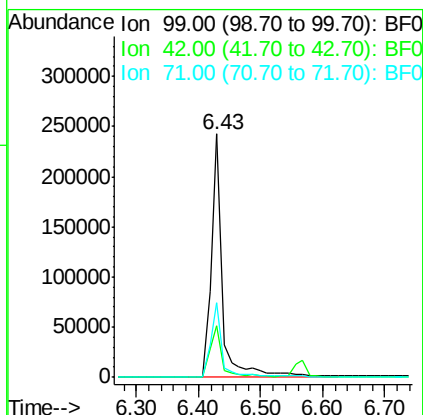
Tot Ion: 99 Resp: 303036

Ion Ratio Lower Upper

99 100

42 21.3 13.6 20.4#

71 30.5 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 3.31 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.14 min

Lab File: BF086427.D

Acq: 27 Apr 2016 16:41

Tgt Ion: 70 Resp: 22029

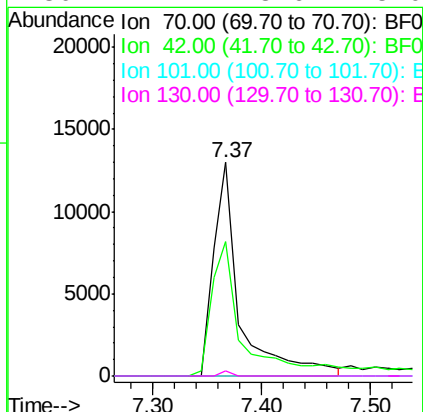
Ion Ratio Lower Upper

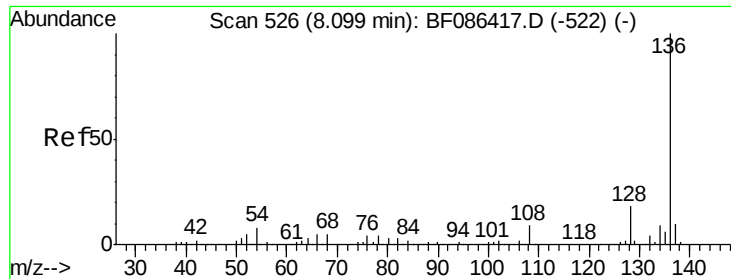
70 100

42 62.9 43.1 64.7

101 0.0 8.1 12.1#

130 2.4 18.6 28.0#

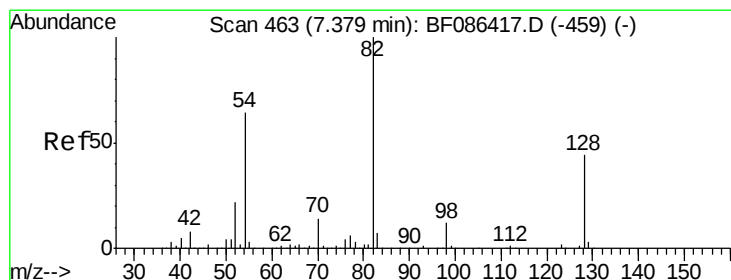
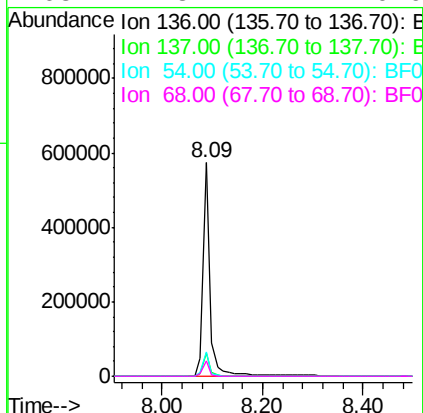
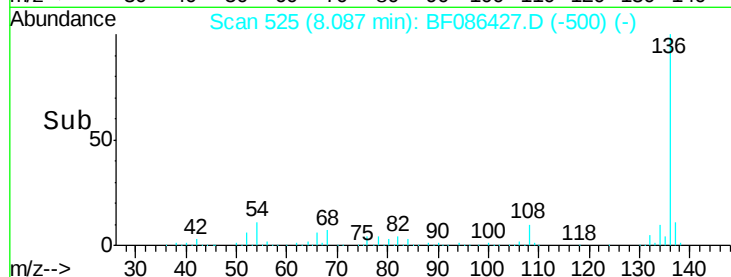
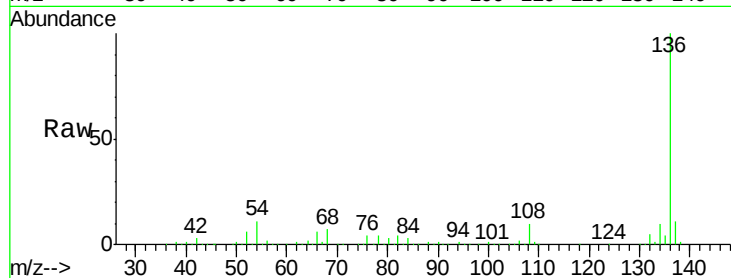




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.01 min
Lab File: BF086427.D
Acq: 27 Apr 2016 16:41

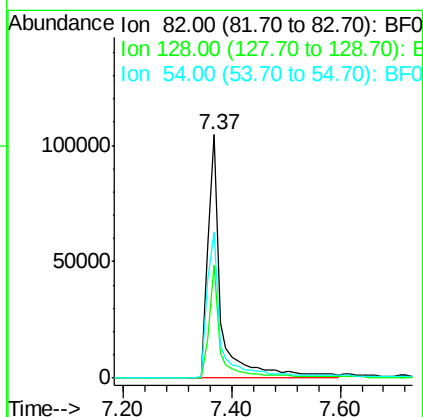
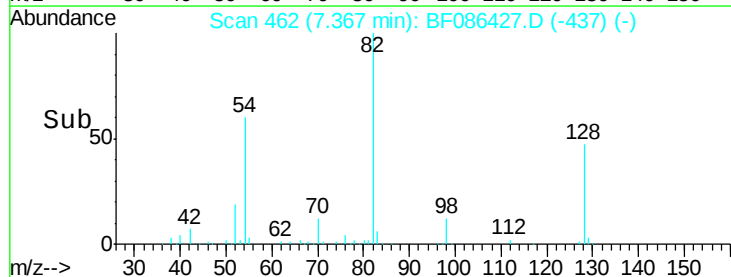
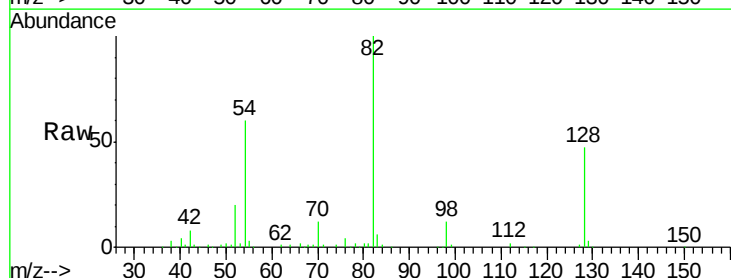
Instrument :
BNA_F
ClientSampleId :
WPG-B6(0-6.5)-C

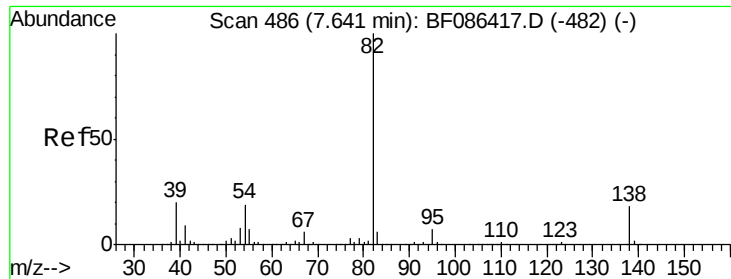
Tot Ion:136	Resp:	564445
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.8 13.2
54	11.5	5.0 7.4#
68	7.3	4.4 6.6#



#23
Nitrobenzene-d5
Concen: 17.00 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF086427.D
Acq: 27 Apr 2016 16:41

Tgt Ion: 82	Resp:	178073
Ion Ratio	Lower	Upper
82	100	
128	46.6	40.6 61.0
54	59.9	38.1 57.1#





#25

Isophorone

Concen: 5.82 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.27 min

Lab File: BF086427.D

Acq: 27 Apr 2016 16:41

Instrument :

BNA_F

ClientSampleId :

WPG-B6(0-6.5)-C

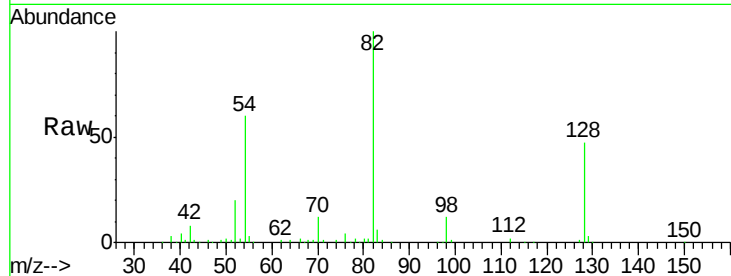
Tot Ion: 82 Resp: 117267

Ion Ratio Lower Upper

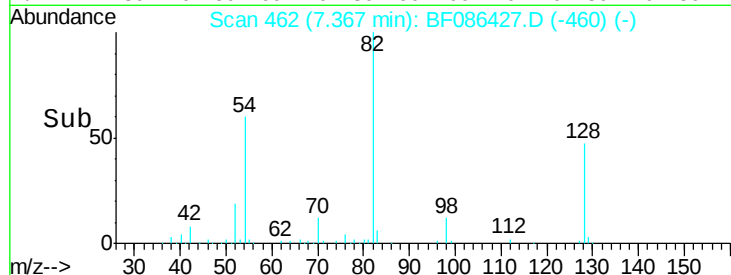
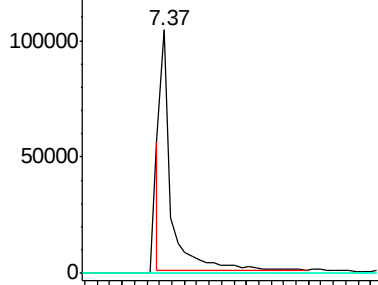
82 100

95 0.0 5.1 7.7#

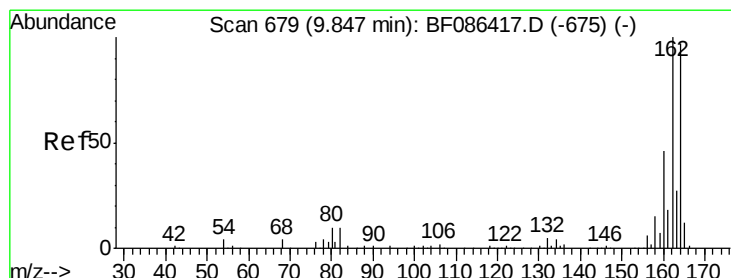
138 0.0 12.4 18.6#



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): E



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF086427.D

Acq: 27 Apr 2016 16:41

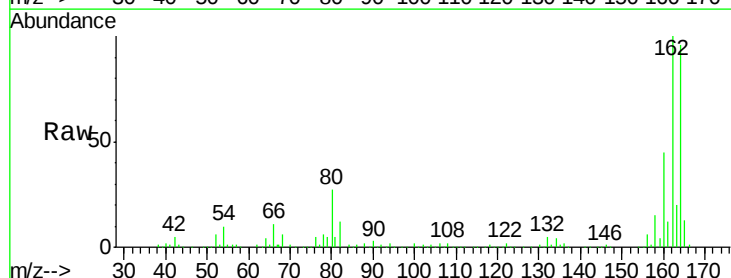
Tgt Ion:164 Resp: 244206

Ion Ratio Lower Upper

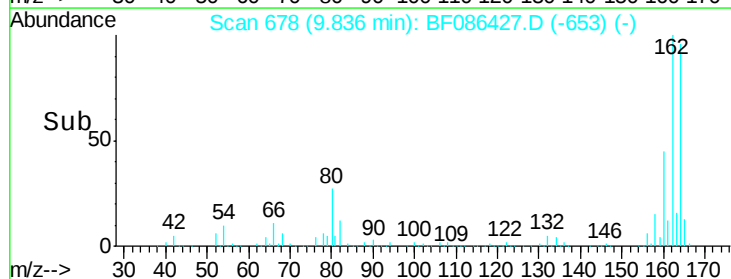
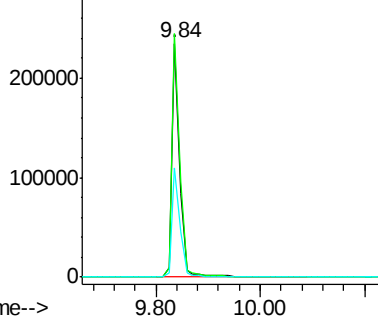
164 100

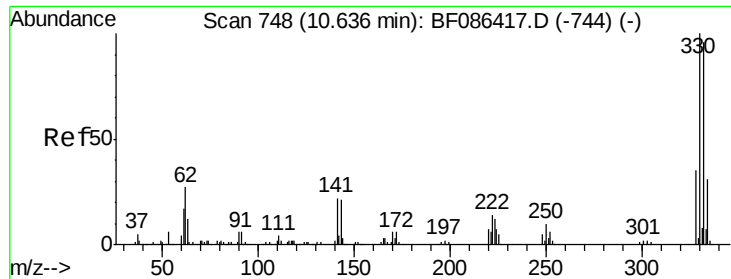
162 104.1 82.8 124.2

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

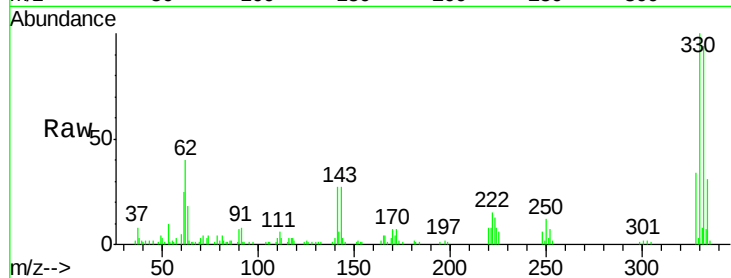




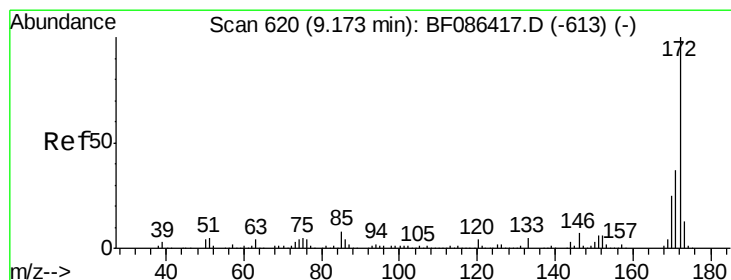
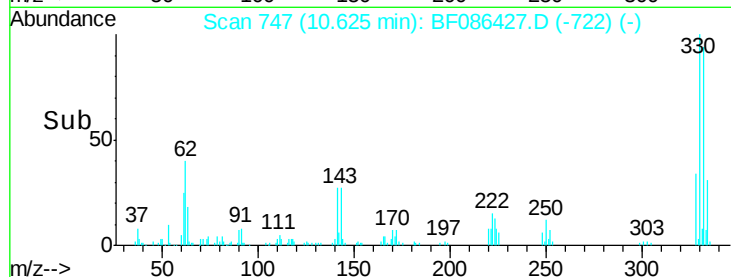
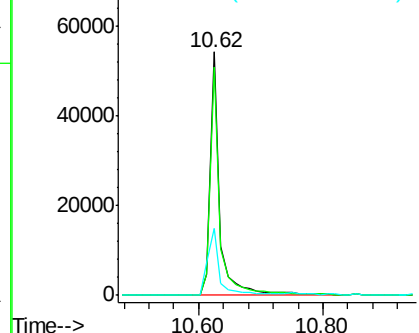
#41
 2,4,6-Tribromophenol
 Concen: 22.91 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF086427.D
 Acq: 27 Apr 2016 16:41

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B6(0-6.5)-C

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	79.0	118.4
141	35.1	31.2	46.8

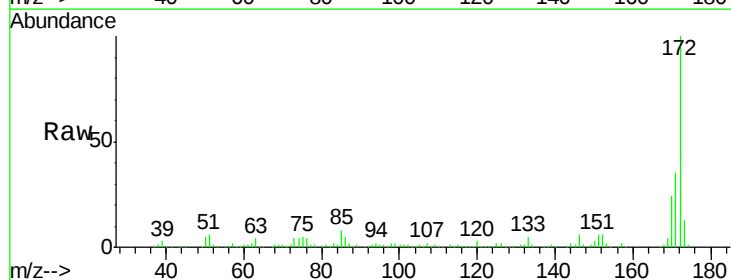


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

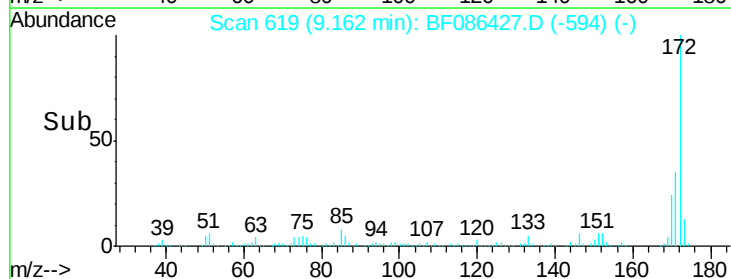
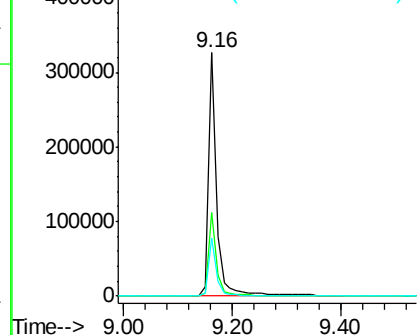


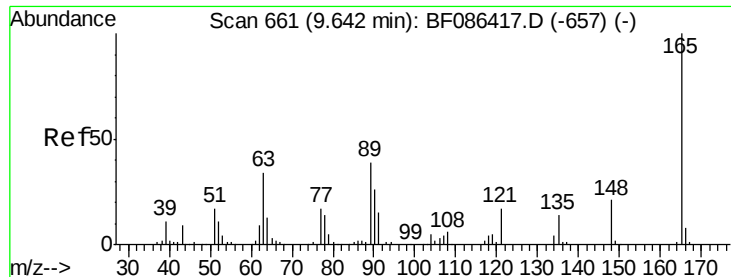
#44
 2-Fluorobiphenyl
 Concen: 16.74 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF086427.D
 Acq: 27 Apr 2016 16:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.0	43.6
170	23.8	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

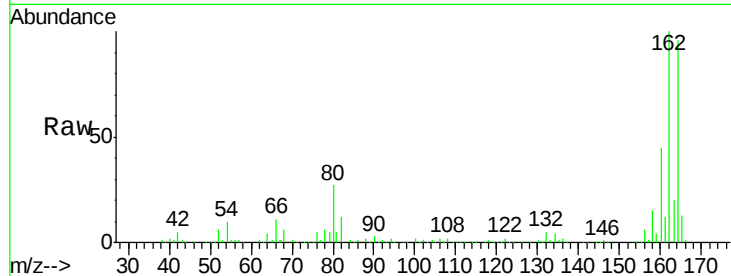




#50
 2,6-Dinitrotoluene
 Concen: 8.29 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.19 min
 Lab File: BF086427.D
 Acq: 27 Apr 2016 16:41

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B6(0-6.5)-C

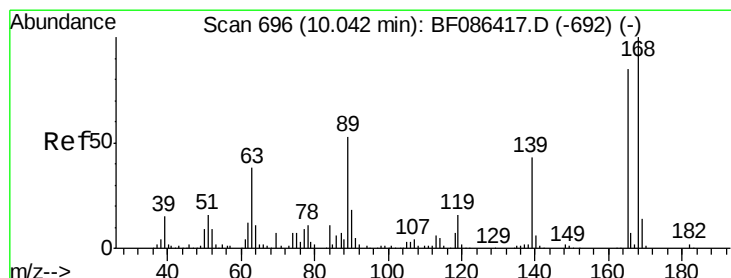
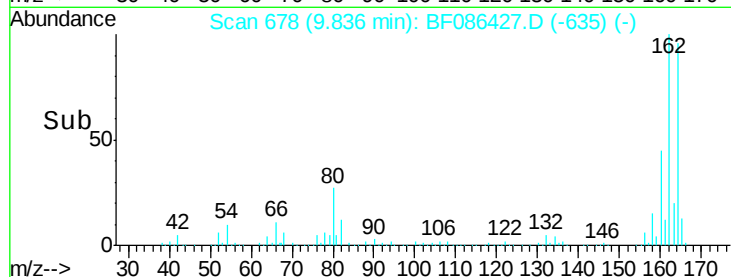
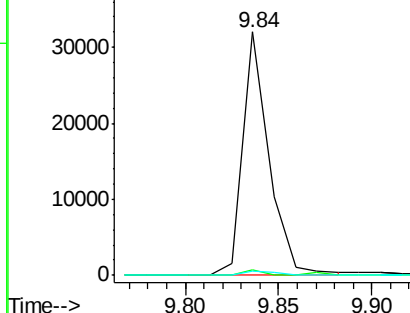
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	51.8	77.8#
89	1.9	50.7	76.1#



Abundance Ion 165.00 (164.70 to 165.70): E

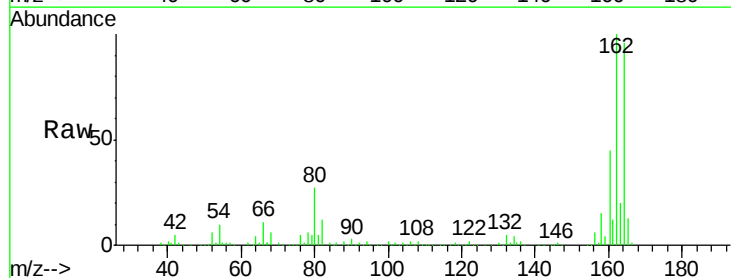
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.64 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.21 min
 Lab File: BF086427.D
 Acq: 27 Apr 2016 16:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.3	66.5#
89	1.9	70.0	105.0#
182	0.0	1.8	2.6#

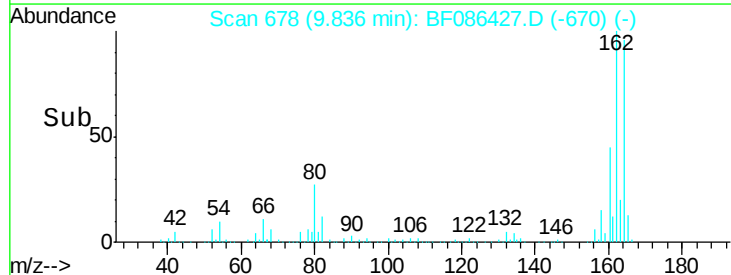
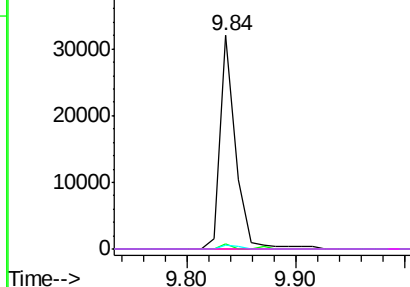


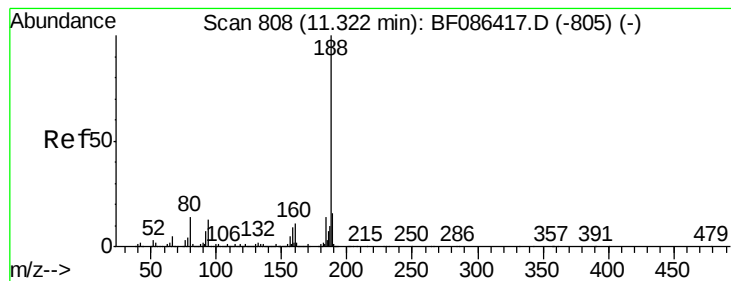
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF086427.D

Acq: 27 Apr 2016 16:41

Instrument :

BNA_F

ClientSampleId :

WPG-B6(0-6.5)-C

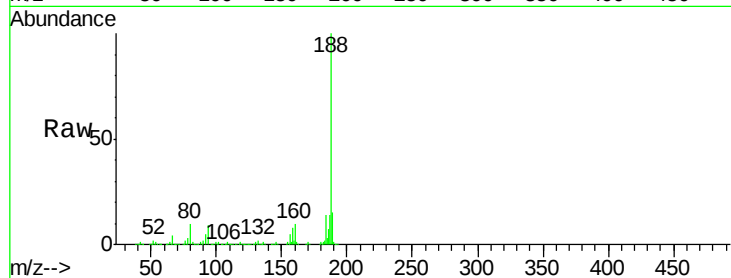
Tot Ion:188 Resp: 423538

Ion Ratio Lower Upper

188 100

94 9.3 6.8 10.2

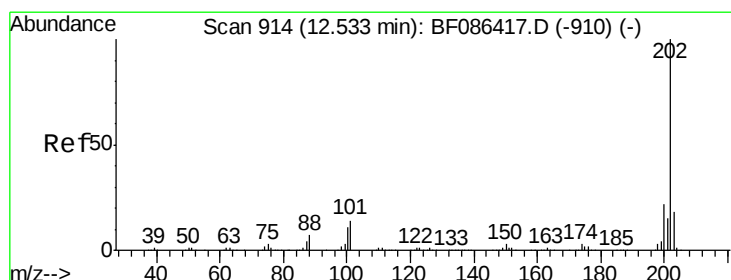
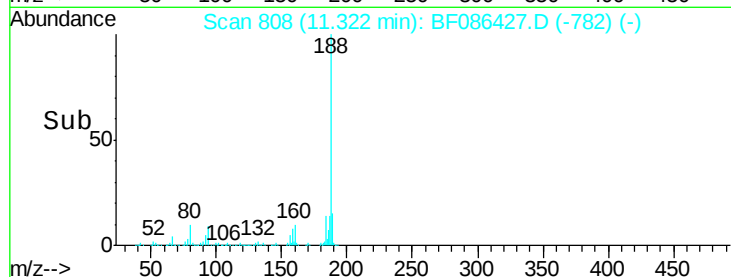
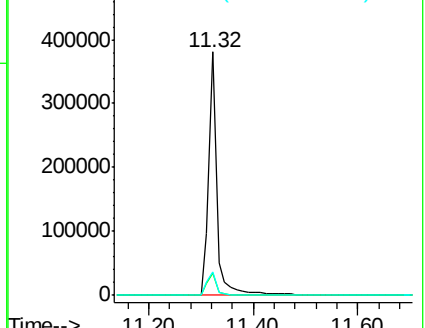
80 9.7 7.1 10.7



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



#74

Fluoranthene

Concen: 2.59 ng

RT: 12.52 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF086427.D

Acq: 27 Apr 2016 16:41

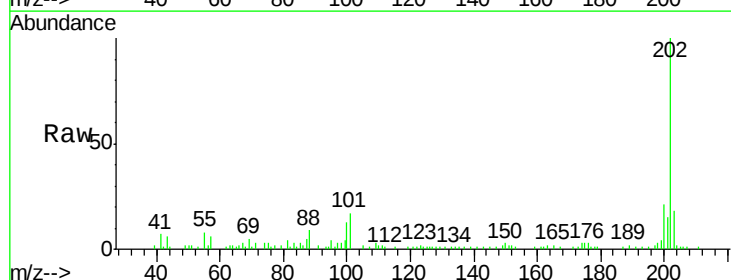
Tgt Ion:202 Resp: 58139

Ion Ratio Lower Upper

202 100

101 17.3 0.0 35.4

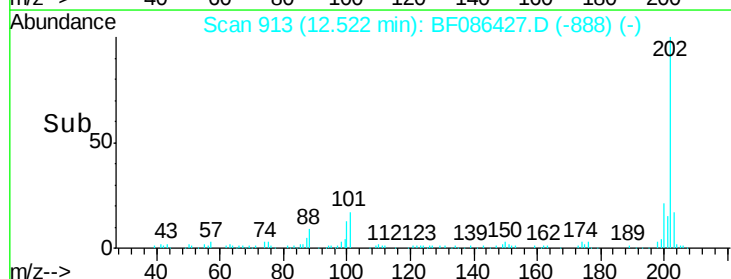
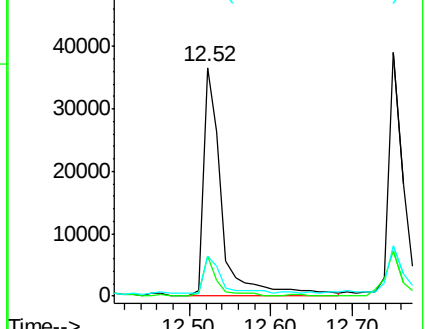
203 17.7 0.0 38.1

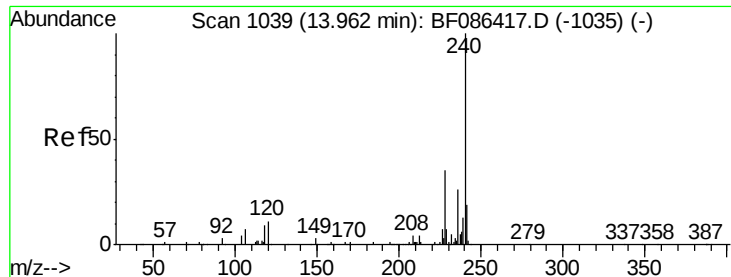


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF086427.D

Acq: 27 Apr 2016 16:41

Instrument :

BNA_F

ClientSampleId :

WPG-B6(0-6.5)-C

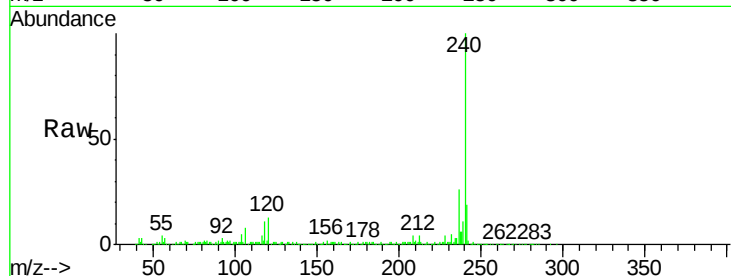
Tot Ion:240 Resp: 283851

Ion Ratio Lower Upper

240 100

120 12.5 11.2 16.8

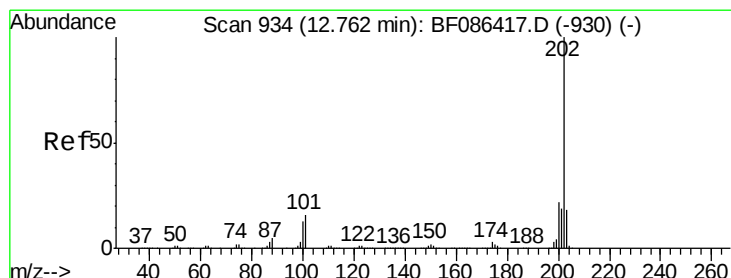
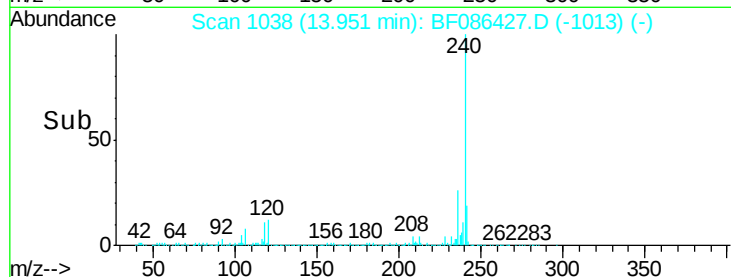
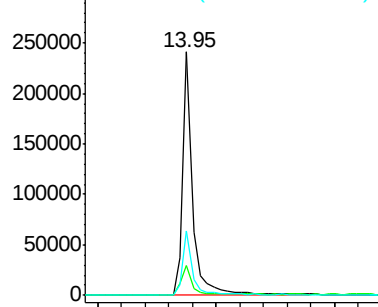
236 26.4 21.2 31.8



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: 2.47 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF086427.D

Acq: 27 Apr 2016 16:41

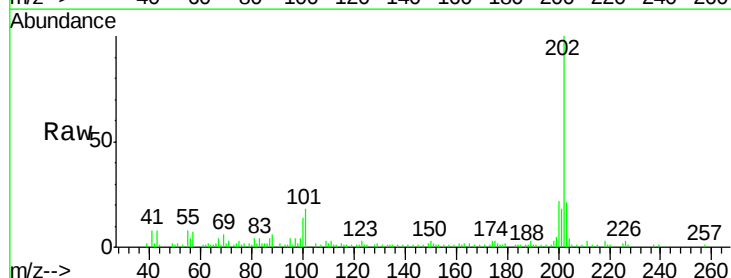
Tgt Ion:202 Resp: 50428

Ion Ratio Lower Upper

202 100

200 22.4 17.7 26.5

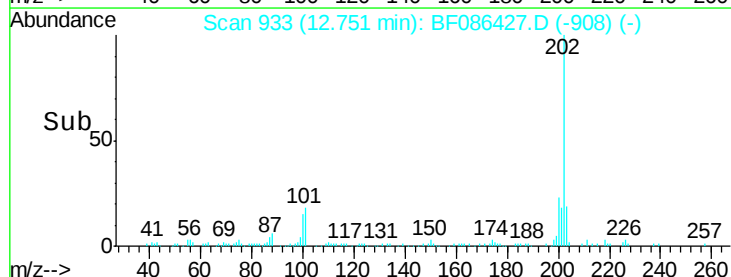
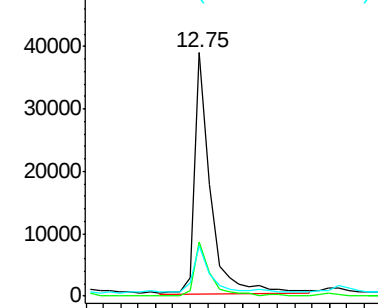
203 20.7 14.2 21.4

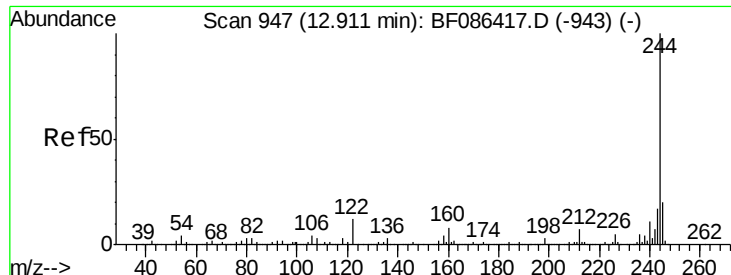


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 16.13 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF086427.D

Acq: 27 Apr 2016 16:41

Instrument :

BNA_F

ClientSampleId :

WPG-B6(0-6.5)-C

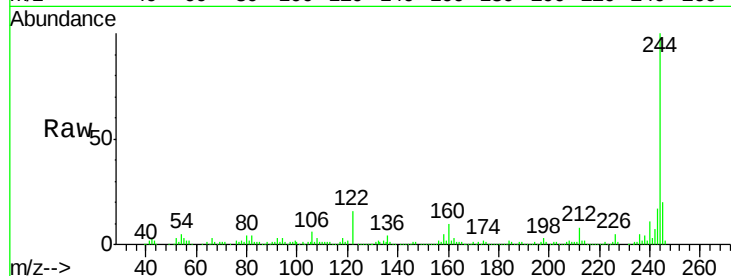
Tot Ion:244 Resp: 207797

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

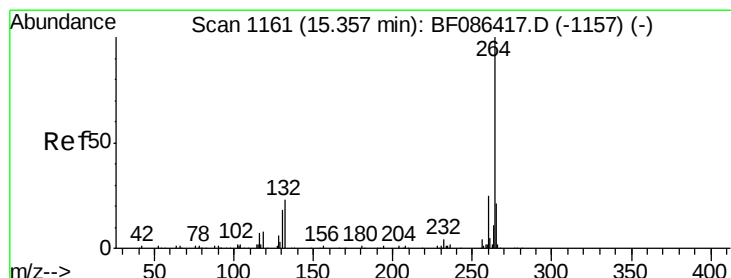
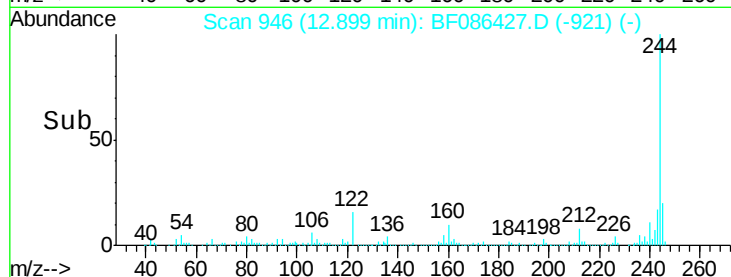
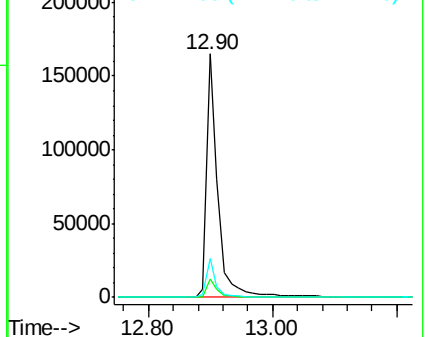
122 16.0 12.0 18.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF086427.D

Acq: 27 Apr 2016 16:41

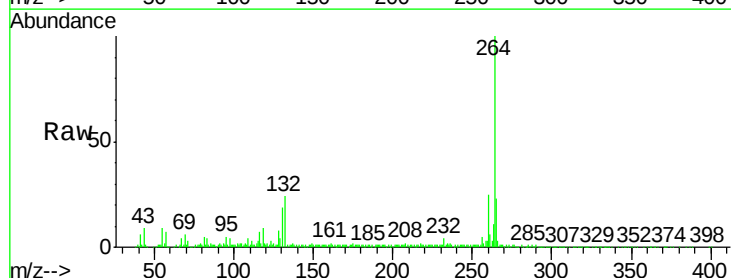
Tgt Ion:264 Resp: 293447

Ion Ratio Lower Upper

264 100

260 25.2 19.5 29.3

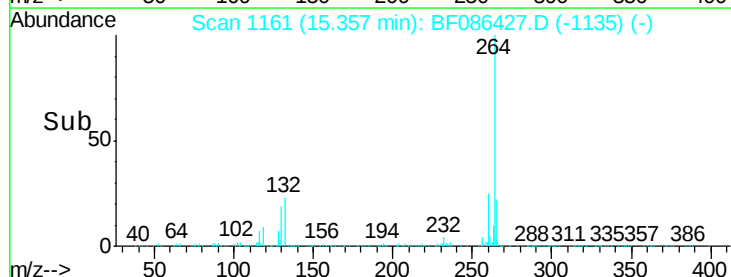
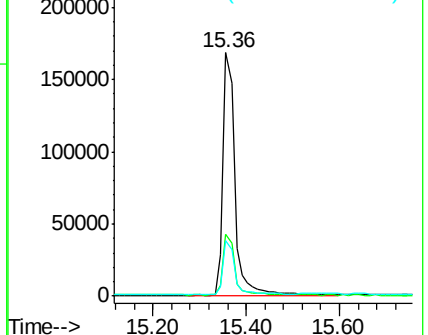
265 22.5 17.3 25.9

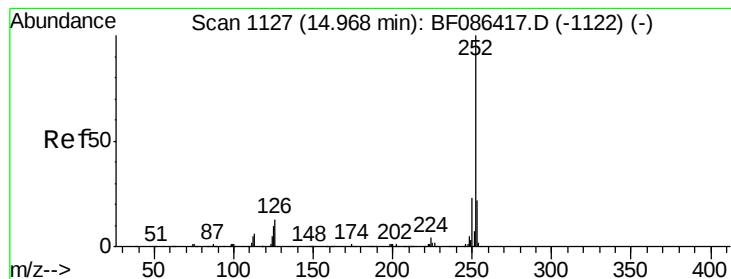


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.80 ng

RT: 14.96 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BF086427.D

Acq: 27 Apr 2016 16:41

Instrument :

BNA_F

ClientSampleId :

WPG-B6(0-6.5)-C

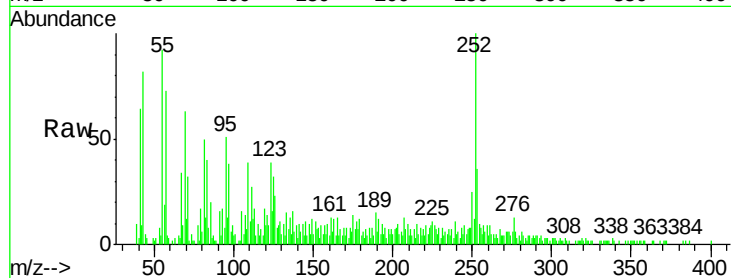
Tot Ion:252 Resp: 48336

Ion Ratio Lower Upper

252 100

253 36.1 17.8 26.6#

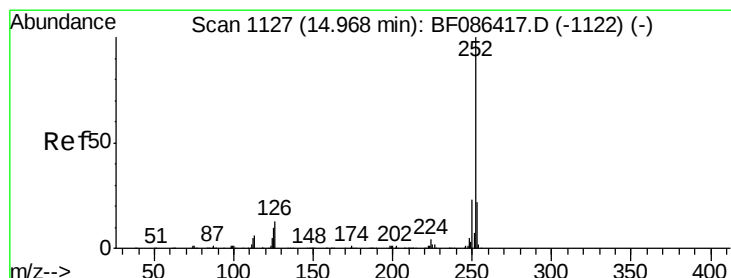
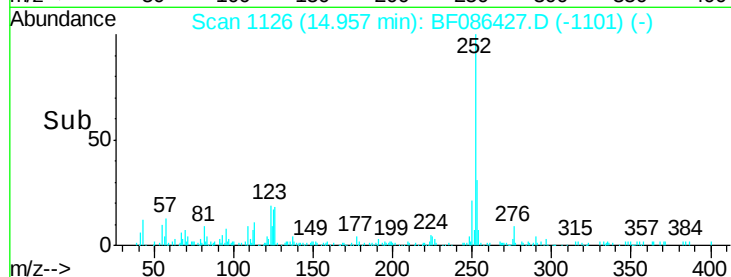
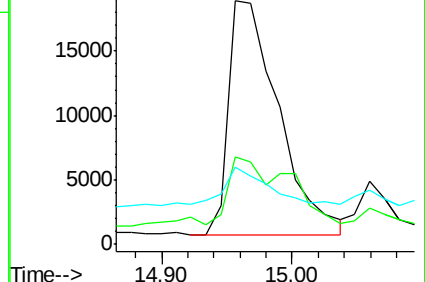
125 31.7 11.4 17.0#



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: 2.68 ng

RT: 14.96 min Scan# 1126

Delta R.T. -0.03 min

Lab File: BF086427.D

Acq: 27 Apr 2016 16:41

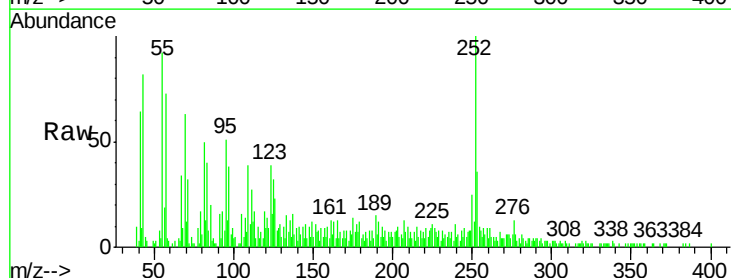
Tgt Ion:252 Resp: 48336

Ion Ratio Lower Upper

252 100

253 36.1 17.8 26.6#

125 31.7 9.1 13.7#



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

