

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
 Data File : BF086406.D
 Acq On : 23 Apr 2016 22:48
 Operator : UM/SJ
 Sample : H2652-05
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B16(0-4)-C

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Quant Time: Apr 25 07:11:41 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	176847	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	671225	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	282002	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	455732	20.00	ng	0.00
75) Chrysene-d12	14.00	240	345091	20.00	ng	0.00
86) Perylene-d12	15.41	264	253807	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1034559	101.03	ng	0.02
7) Phenol-d6	6.48	99	1184729	85.10	ng	0.00
23) Nitrobenzene-d5	7.40	82	729671	64.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	220526	86.39	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1261124	76.31	ng	0.00
78) Terphenyl-d14	12.94	244	877794	63.20	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.60	163	278308	13.66	ng	99
70) Phenanthrene	11.39	178	73437	3.21	ng	98
74) Fluoranthene	12.57	202	195208	7.90	ng	99
77) Pyrene	12.80	202	190503	7.92	ng	98
80) Benzo(a)anthracene	13.98	228	88432	4.94	ng	98
82) Chrysene	14.02	228	72450m	3.59	ng	
87) Benzo(b)fluoranthene	15.01	252	71063m	5.10	ng	
88) Benzo(k)fluoranthene	15.04	252	38416m	2.81	ng	
89) Benzo(a)pyrene	15.36	252	56856	4.14	ng	# 86
91) Benzo(g,h,i)perylene	17.21	276	33307	2.85	ng	94

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

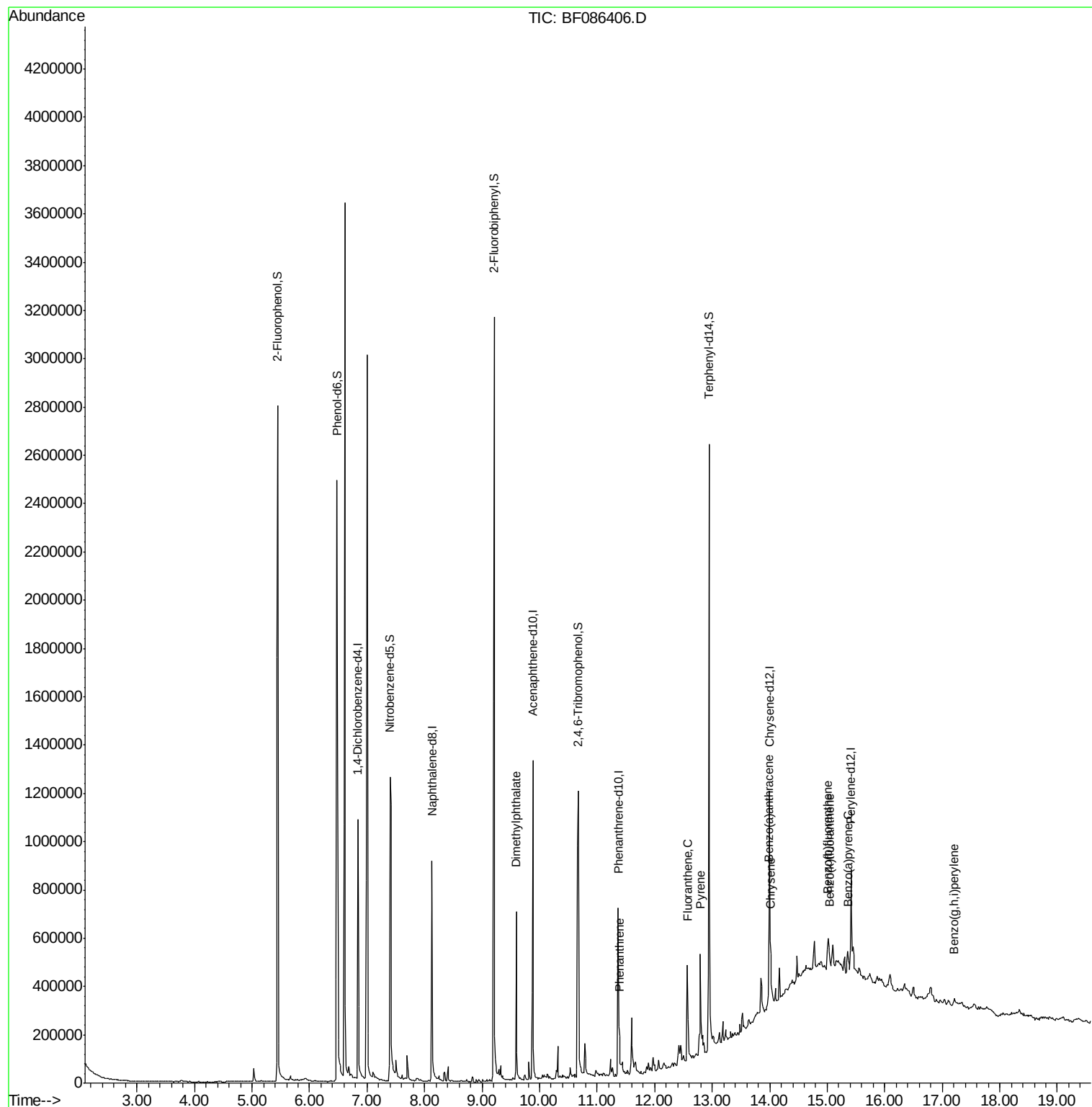
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
Data File : BF086406.D
Acq On : 23 Apr 2016 22:48
Operator : UM/SJ
Sample : H2652-05
Misc :
ALS Vial : 50 Sample Multiplier: 1

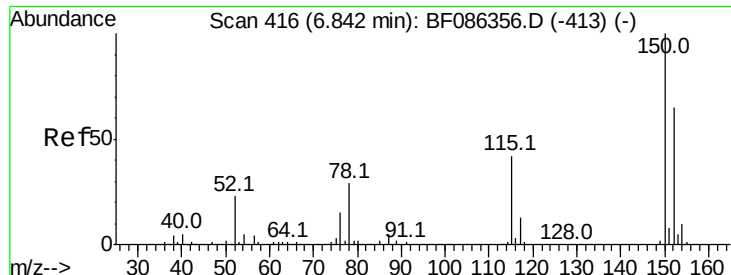
Instrument :
BNA_F
ClientSampleId :
WPG-B16(0-4)-C

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Quant Time: Apr 25 07:11:41 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 23 00:24:02 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.00 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

Instrument :

BNA_F

ClientSampleId :

WPG-B16(0-4)-C

Tot Ion:152 Resp: 176847

Ion Ratio Lower Upper

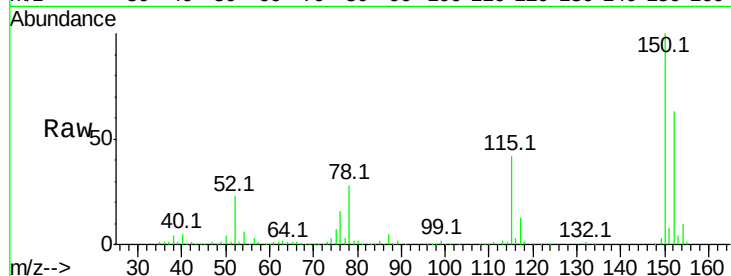
152 100

150 158.6 125.8 188.6

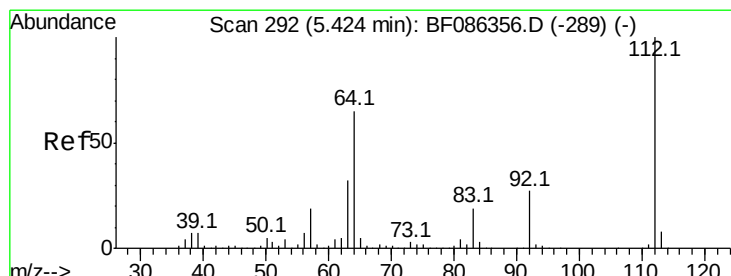
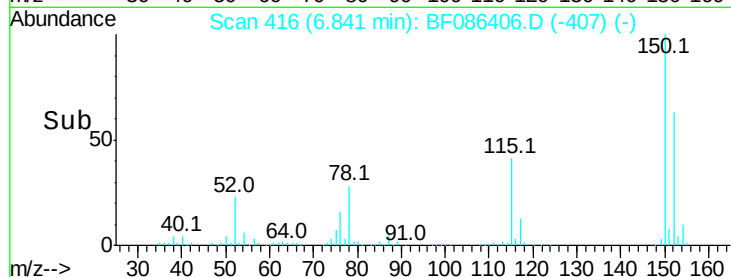
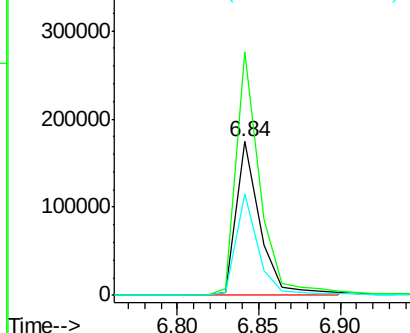
115 66.0 51.5 77.3

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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: 101.03 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.02 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

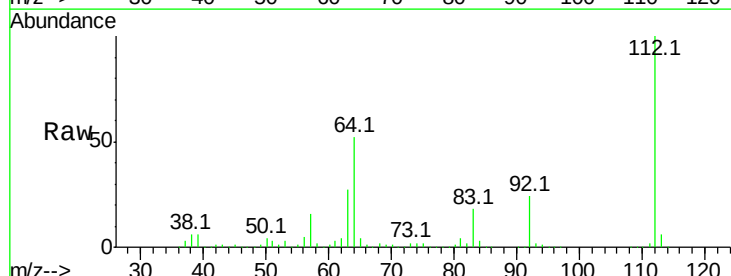
Tgt Ion:112 Resp: 1034559

Ion Ratio Lower Upper

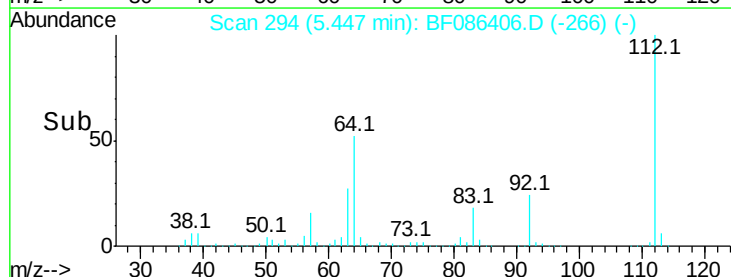
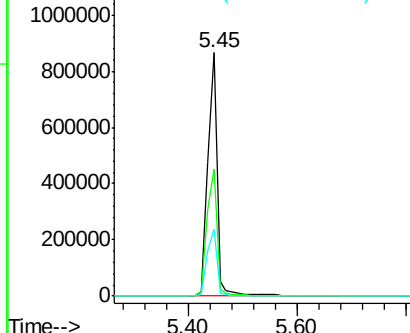
112 100

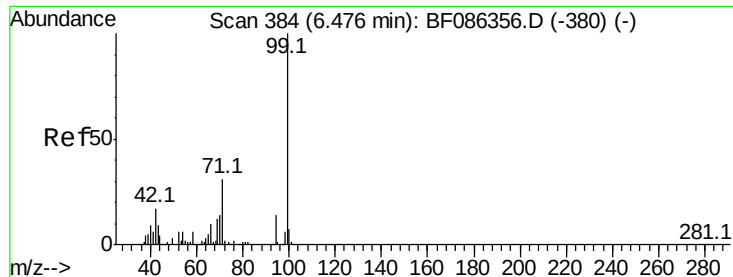
64 52.5 52.1 78.1

63 27.3 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: 85.10 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

Instrument :

BNA_F

ClientSampleId :

WPG-B16(0-4)-C

Tot Ion: 99 Resp: 1184729

Ion Ratio Lower Upper

99 100

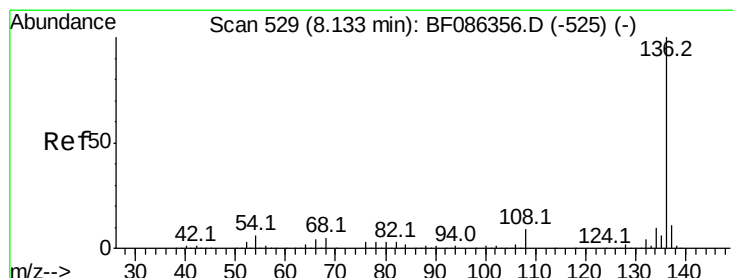
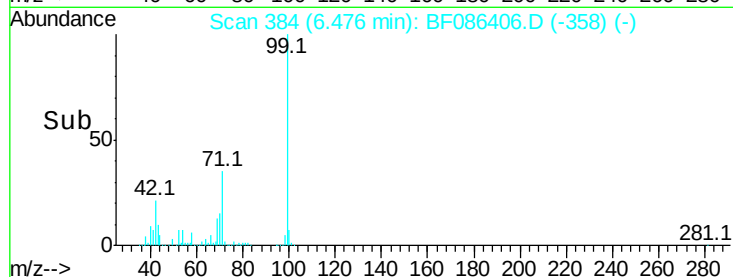
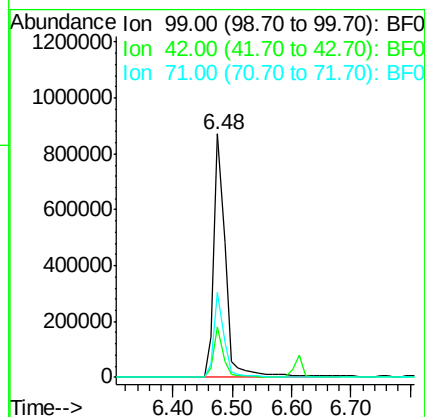
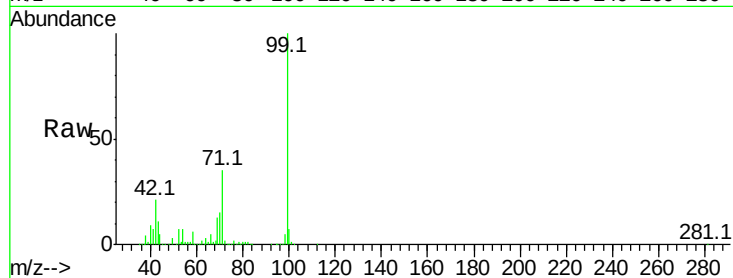
42 20.8 13.6 20.4#

71 34.8 24.6 36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

Tgt Ion: 136 Resp: 671225

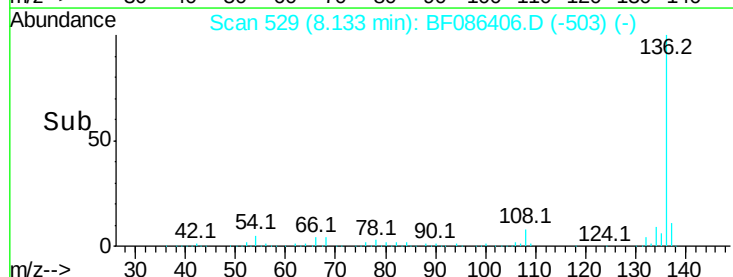
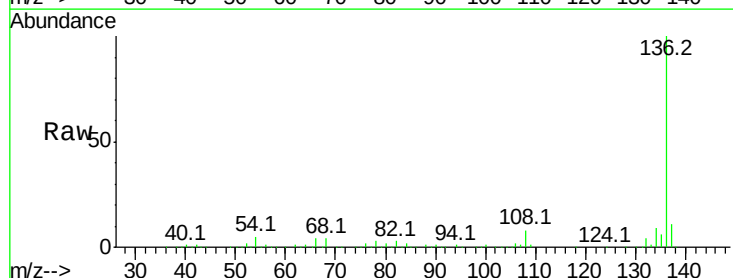
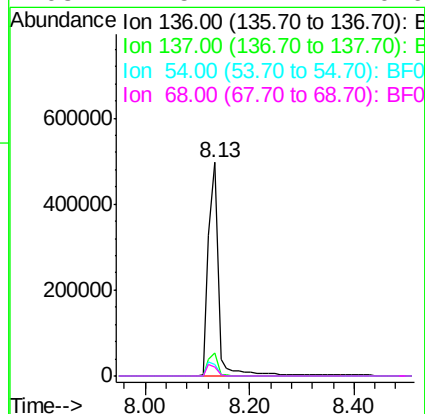
Ion Ratio Lower Upper

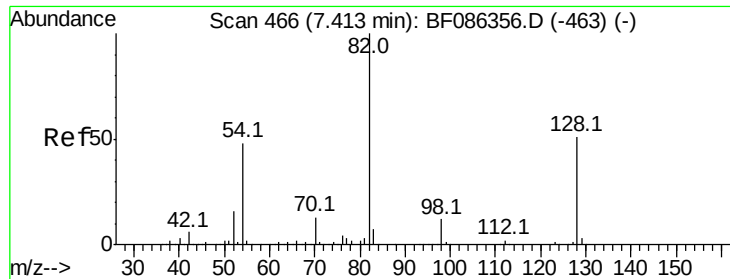
136 100

137 10.9 8.8 13.2

54 5.2 5.0 7.4

68 4.5 4.4 6.6





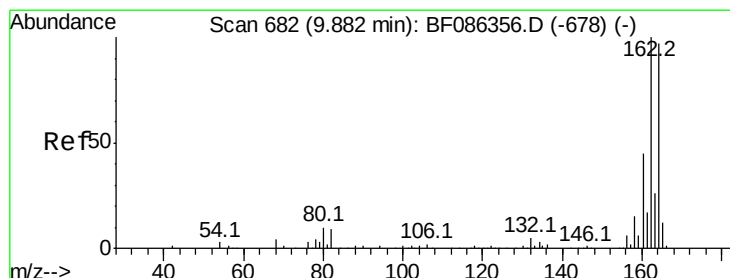
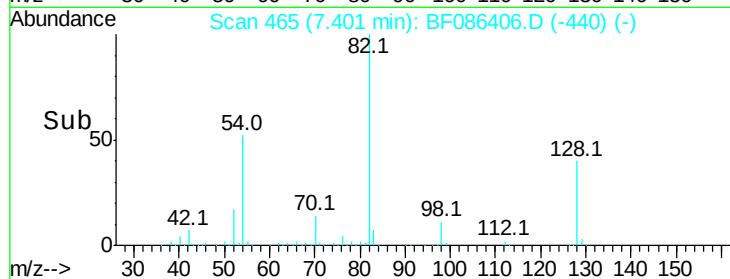
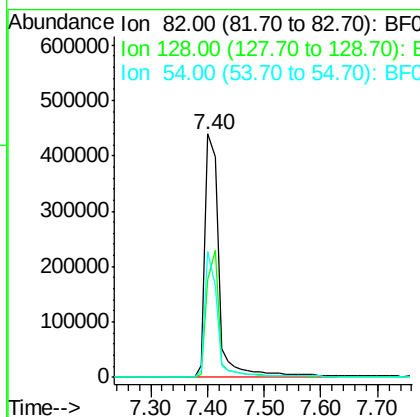
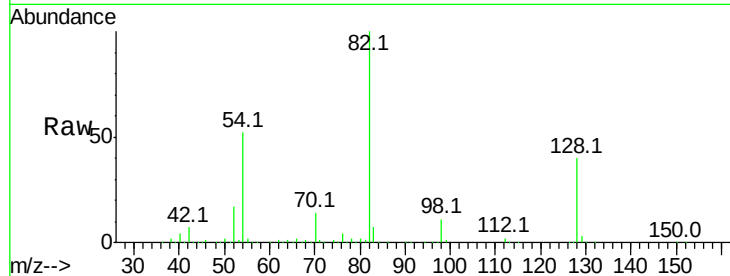
#23
 Nitrobenzene-d5
 Concen: 64.40 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: BF086406.D
 Acq: 23 Apr 2016 22:48

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B16(0-4)-C

Tot Ion	Ratio	Resp	Lower	Upper
82	100	729671		
128	40.1		40.6	61.0#
54	51.7		38.1	57.1

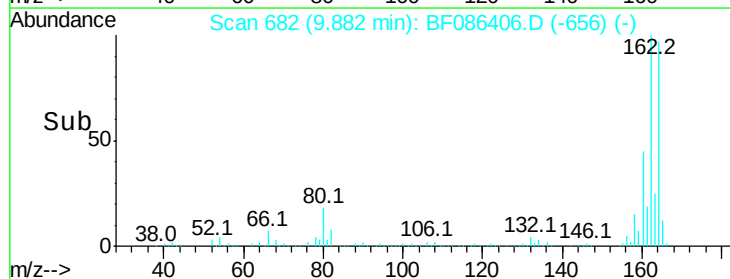
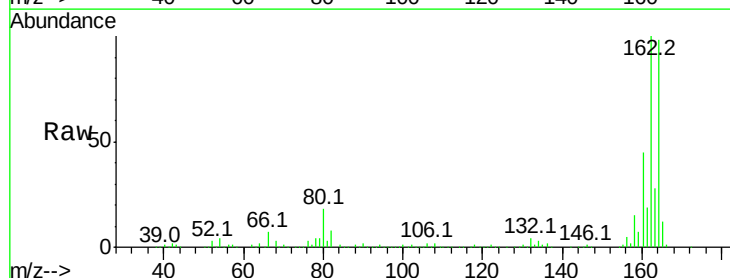
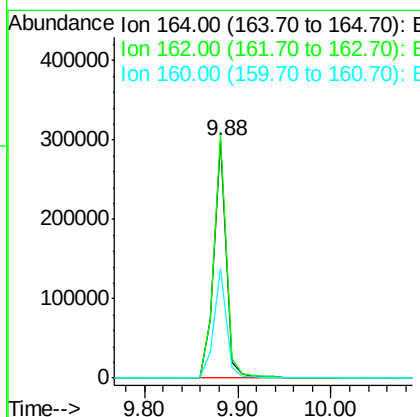
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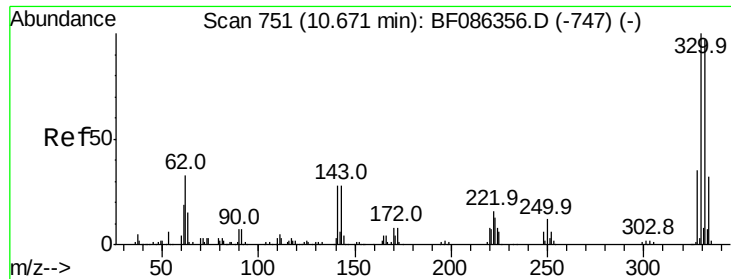
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: BF086406.D
 Acq: 23 Apr 2016 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	282002		
162	102.4		82.8	124.2
160	45.9		36.9	55.3





#41

2,4,6-Tribromophenol

Concen: 86.39 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

Instrument :

BNA_F

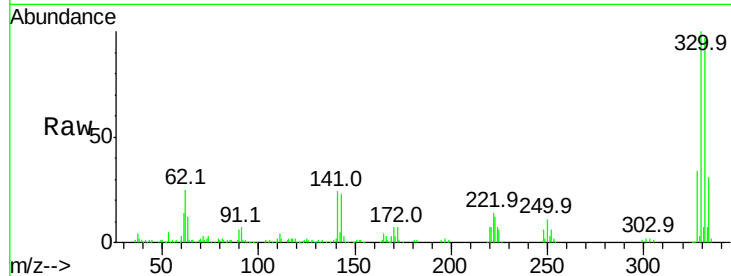
ClientSampleId :

WPG-B16(0-4)-C

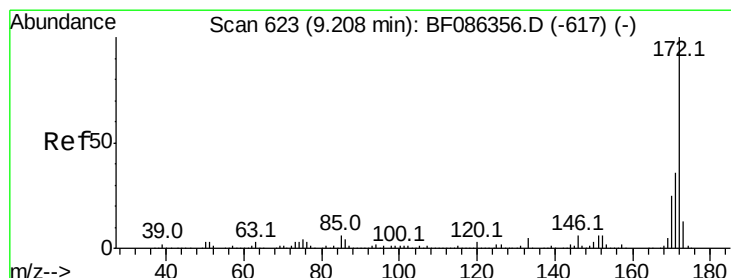
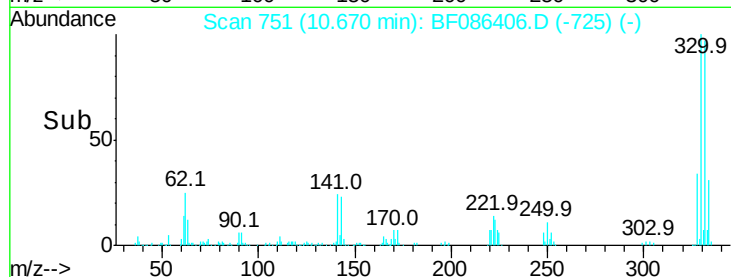
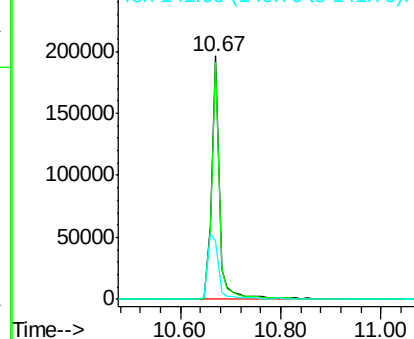
Tot Ion:	330	Resp:	220526
Ion Ratio	Lower	Upper	
330	100		
332	95.3	79.0	118.4
141	36.8	31.2	46.8

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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: 76.31 ng

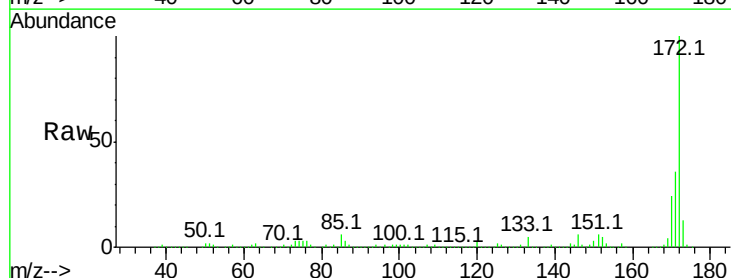
RT: 9.21 min Scan# 623

Delta R.T. -0.00 min

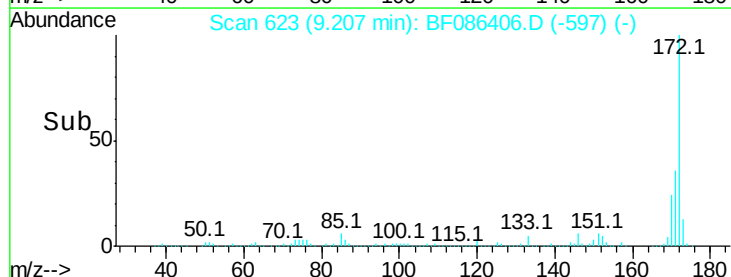
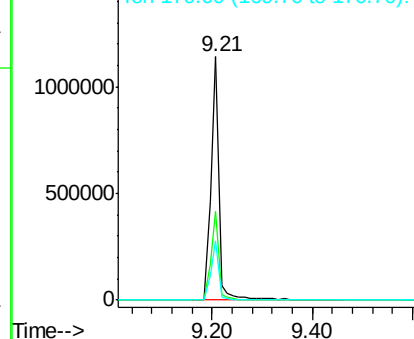
Lab File: BF086406.D

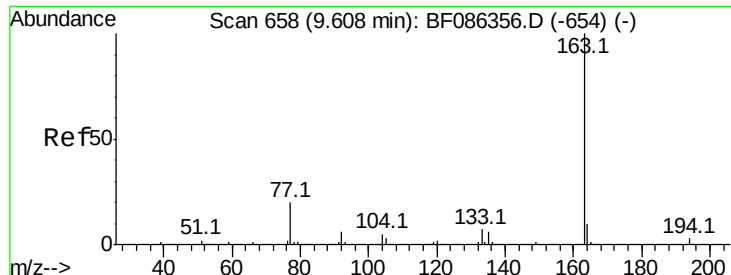
Acq: 23 Apr 2016 22:48

Tgt Ion:	172	Resp:	1261124
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.0	43.6
170	24.2	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





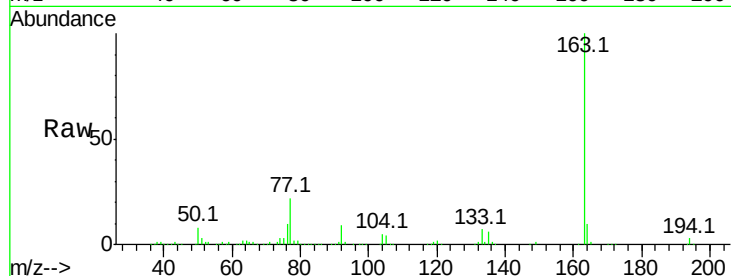
#49
Dimethylphthalate
Concen: 13.66 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF086406.D
Acq: 23 Apr 2016 22:48

Instrument :
BNA_F
ClientSampleId :
WPG-B16(0-4)-C

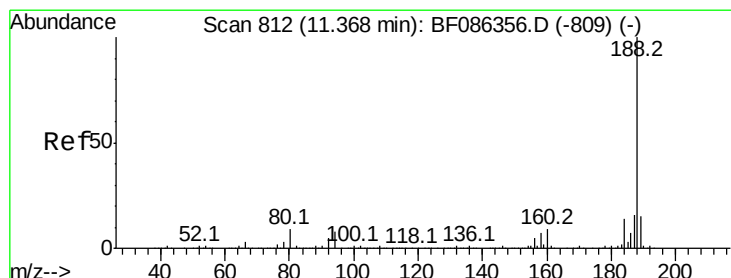
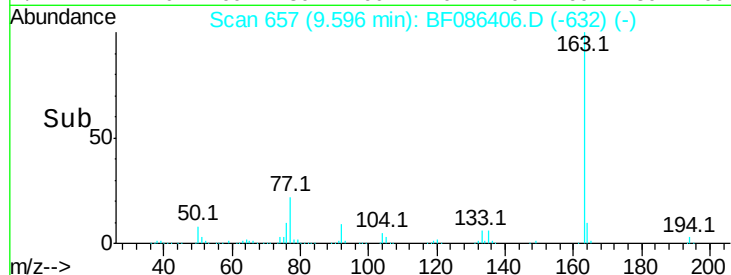
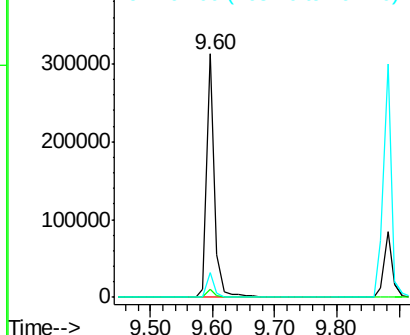
Tot Ion	Ratio	Resp	Lower	Upper
163	100	278308		
194	3.1	2.6	4.0	
164	9.9	8.2	12.4	

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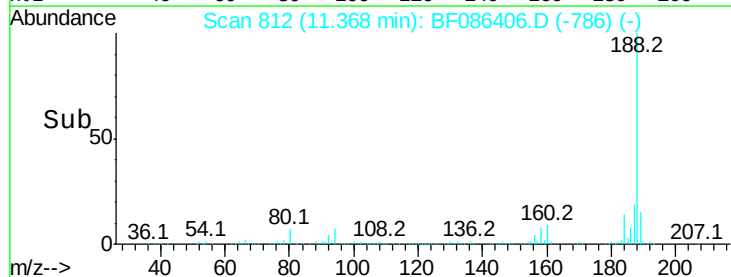
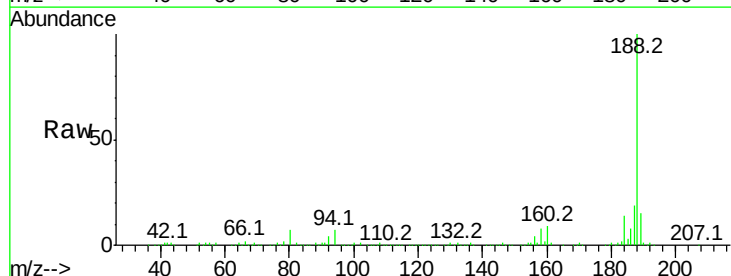
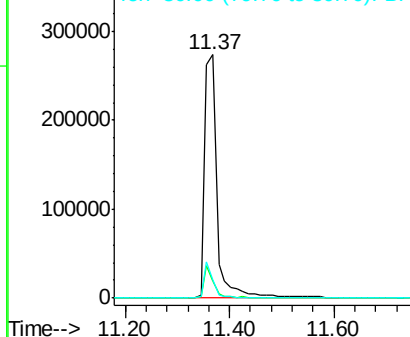
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

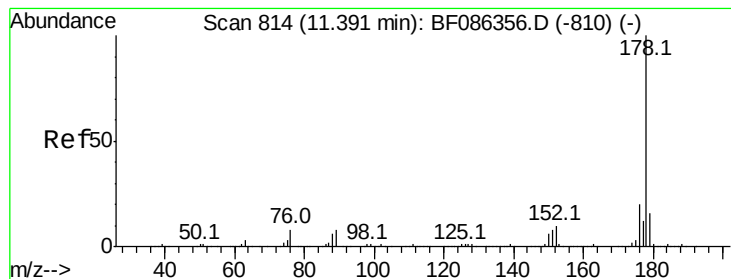


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF086406.D
Acq: 23 Apr 2016 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	455732		
94	7.1	6.8	10.2	
80	7.4	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





#70

Phenanthrene

Concen: 3.21 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:178 Resp: 73437

Ion Ratio Lower Upper

178 100

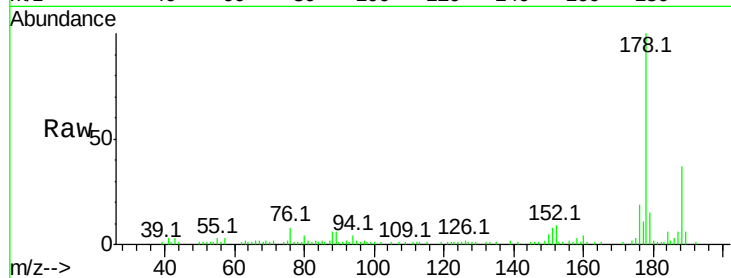
176 18.9 16.0 24.0

179 15.0 12.6 18.8

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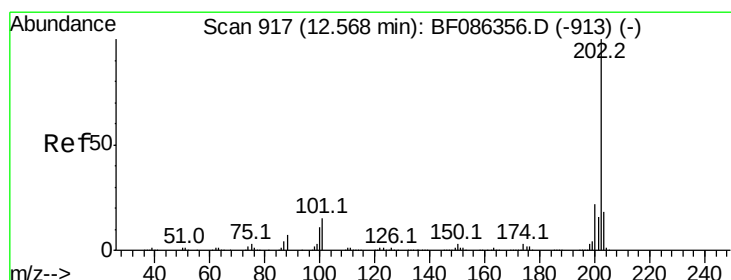
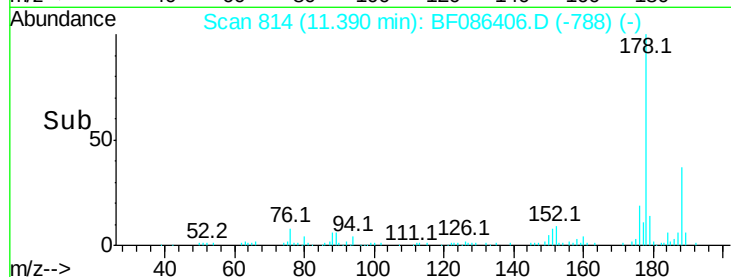
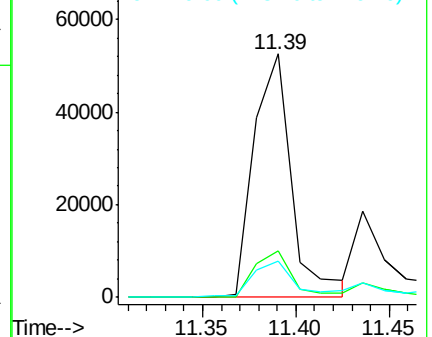
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 7.90 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

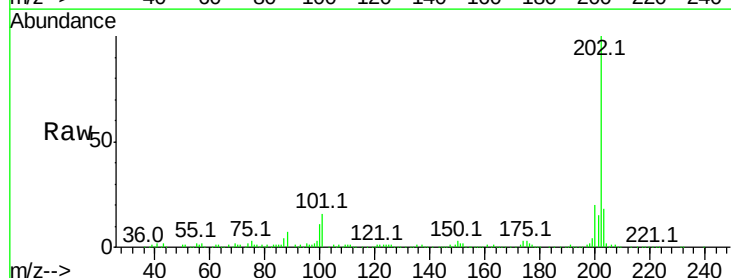
Tgt Ion:202 Resp: 195208

Ion Ratio Lower Upper

202 100

101 15.7 0.0 35.4

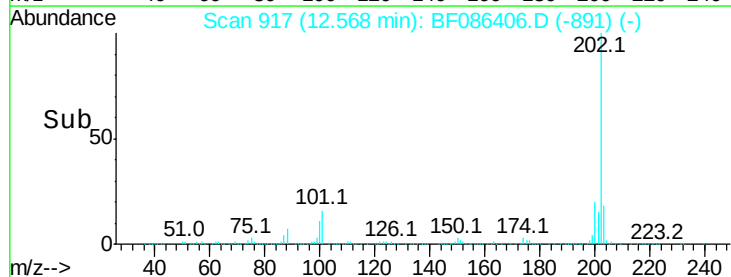
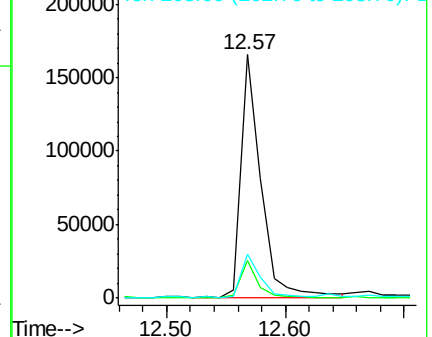
203 17.9 0.0 38.1

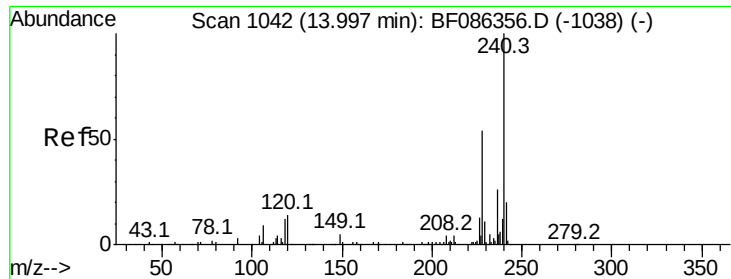


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

Instrument :

BNA_F

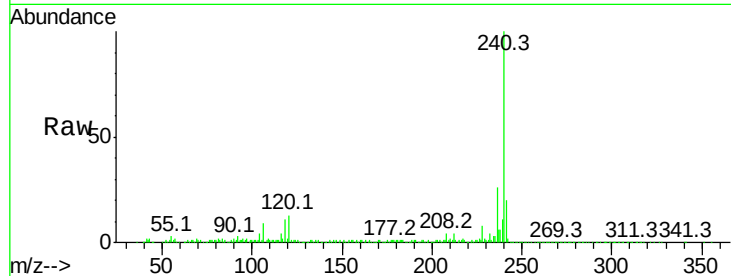
ClientSampleId :

WPG-B16(0-4)-C

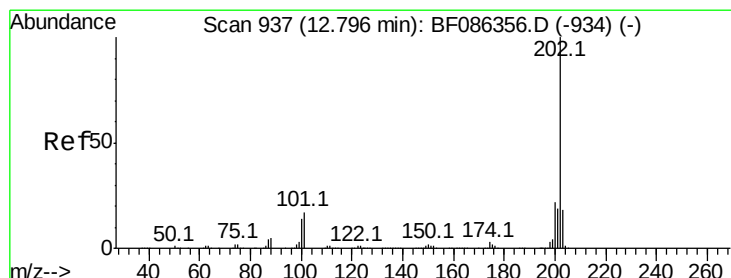
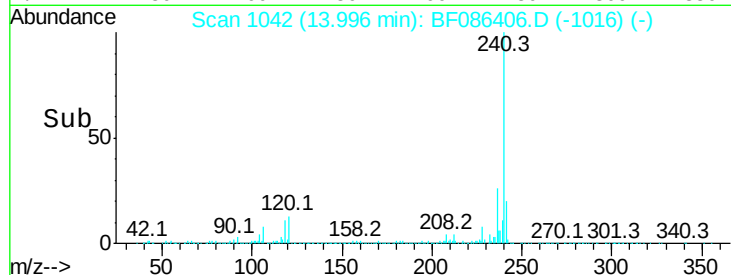
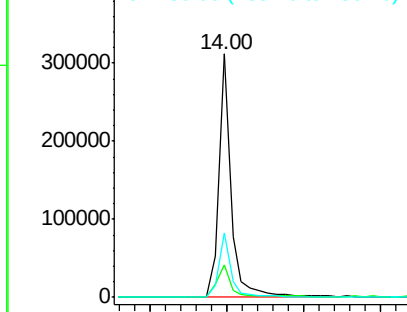
Tot Ion:	240	Resp:	345091
Ion Ratio	Lower	Upper	
240	100		
120	13.1	11.2	16.8
236	26.5	21.2	31.8

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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: 7.92 ng

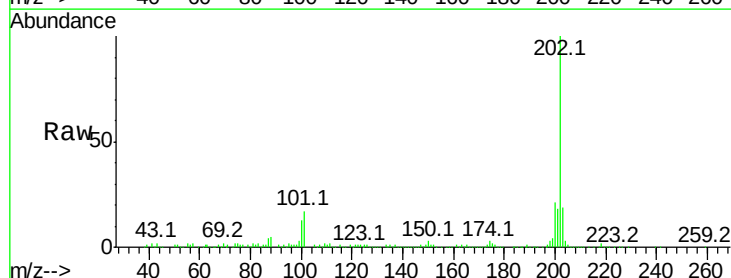
RT: 12.80 min Scan# 937

Delta R.T. -0.00 min

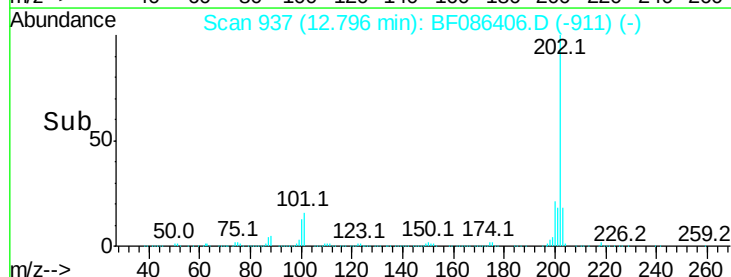
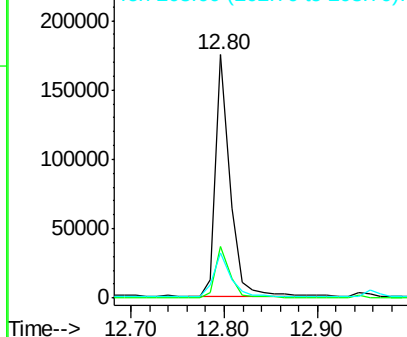
Lab File: BF086406.D

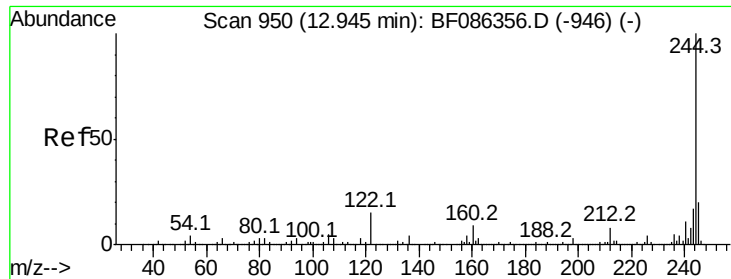
Acq: 23 Apr 2016 22:48

Tgt Ion:	202	Resp:	190503
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.7	26.5
203	18.6	14.2	21.4



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





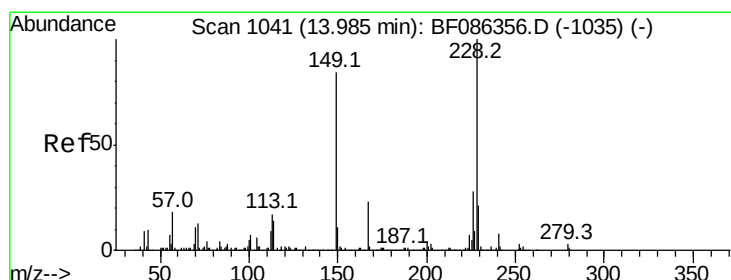
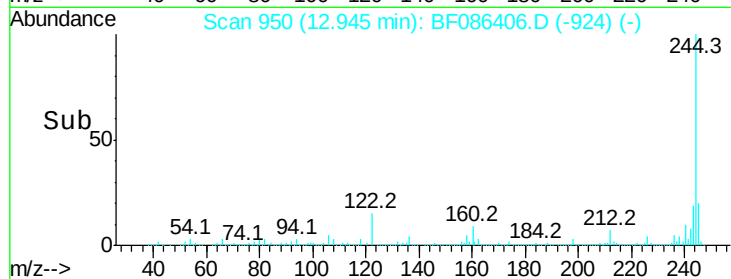
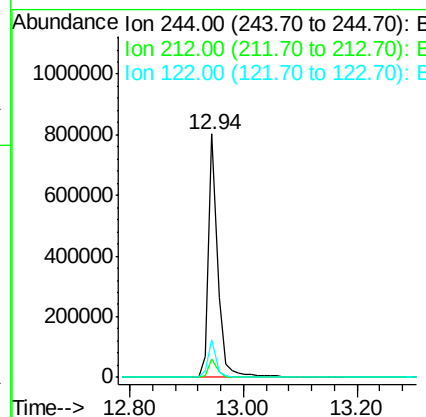
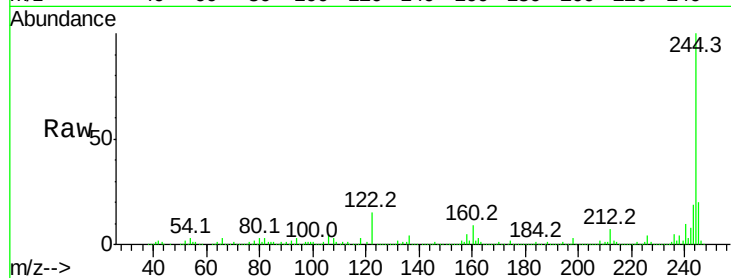
#78
 Terphenyl-d14
 Concen: 63.20 ng
 RT: 12.94 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: BF086406.D
 Acq: 23 Apr 2016 22:48

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B16(0-4)-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.2
122	15.2	12.0	18.0

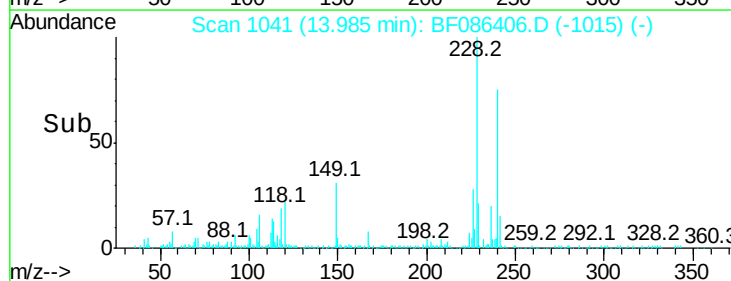
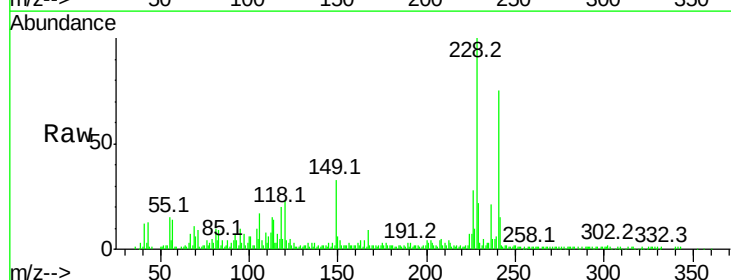
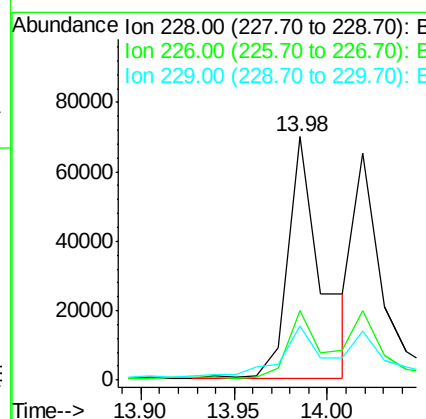
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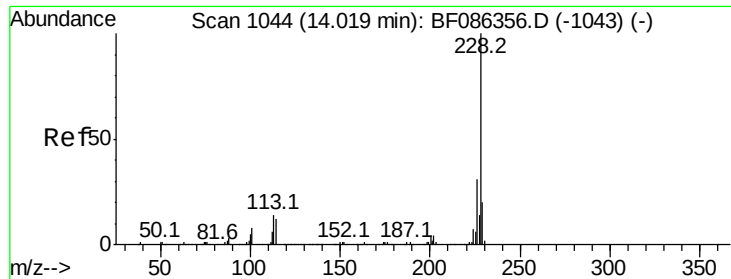
sohil
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#80
 Benzo(a)anthracene
 Concen: 4.94 ng
 RT: 13.98 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BF086406.D
 Acq: 23 Apr 2016 22:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.5	33.7
229	22.3	16.6	25.0





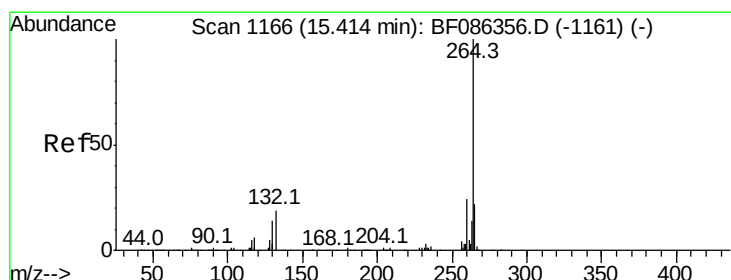
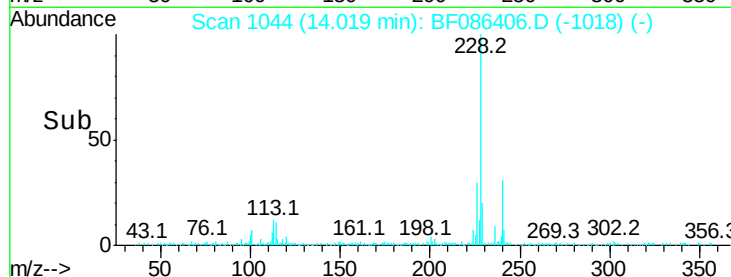
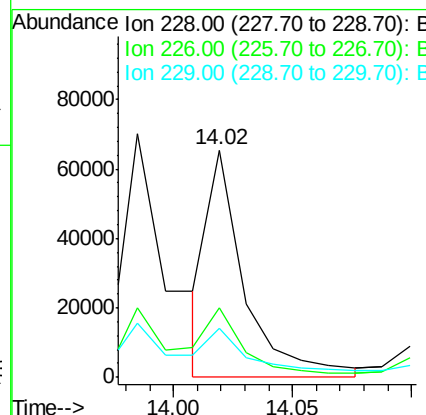
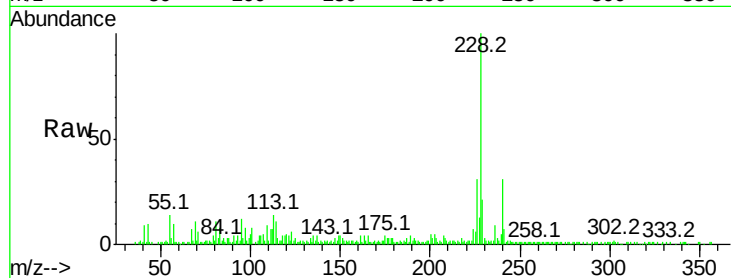
#82
 Chrysene
 Concen: 3.59 ng/mL
 RT: 14.02 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: BF086406.D
 Acq: 23 Apr 2016 22:48

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B16(0-4)-C

Tot Ion:	228	Resp:	72450
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.4	36.6
229	21.3	15.8	23.8

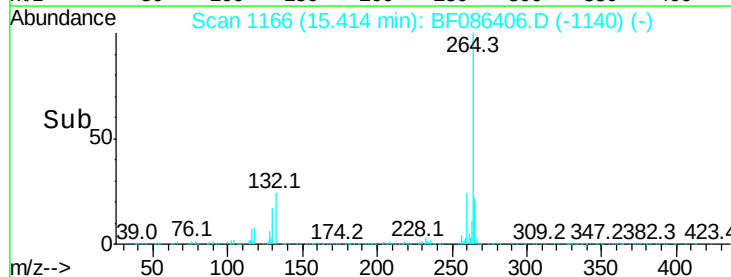
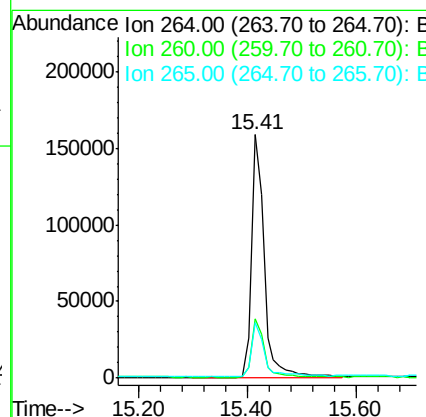
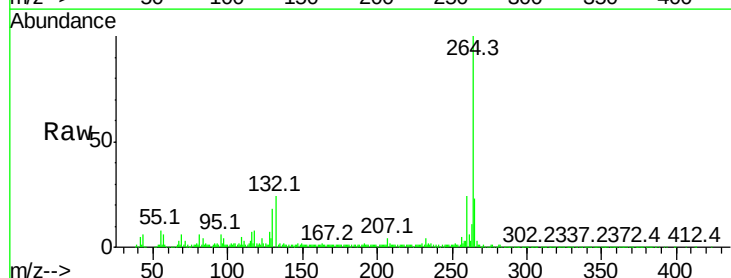
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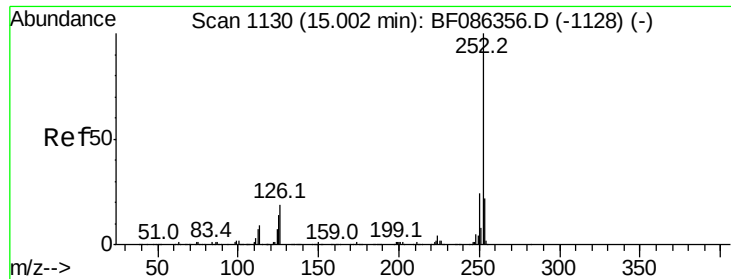
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: BF086406.D
 Acq: 23 Apr 2016 22:48

Tgt Ion:	264	Resp:	253807
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	23.0	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 5.10 ng m

RT: 15.01 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

Instrument :

BNA_F

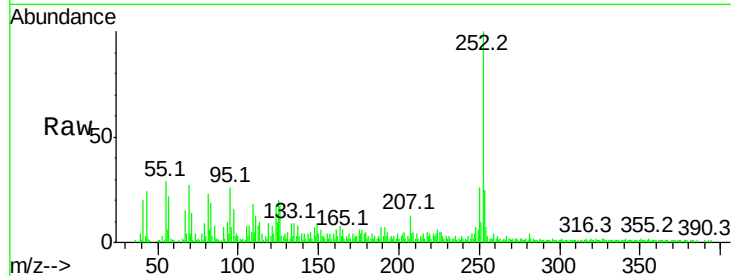
ClientSampleId :

WPG-B16(0-4)-C

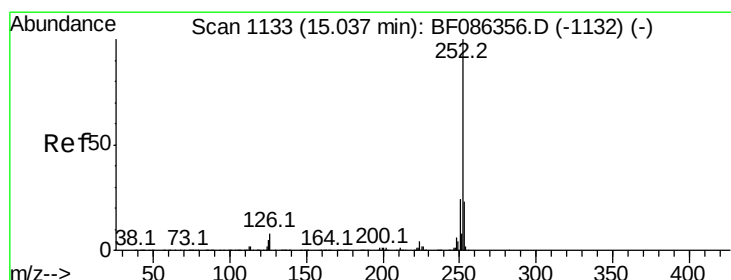
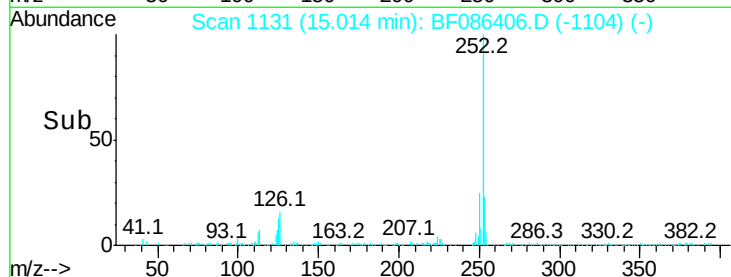
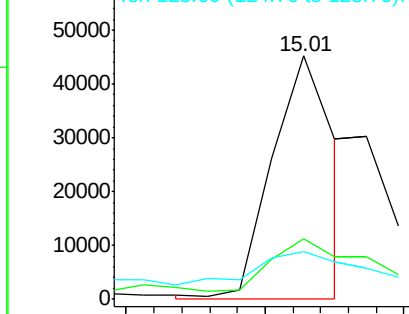
Tot Ion:	252	Resp:	71063
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.8	26.6
125	19.9	11.4	17.0#

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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: 2.81 ng m

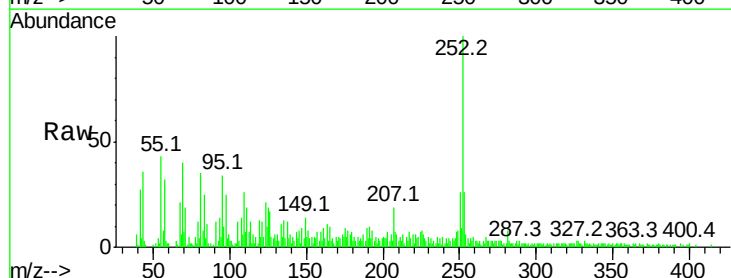
RT: 15.04 min Scan# 1133

Delta R.T. 0.00 min

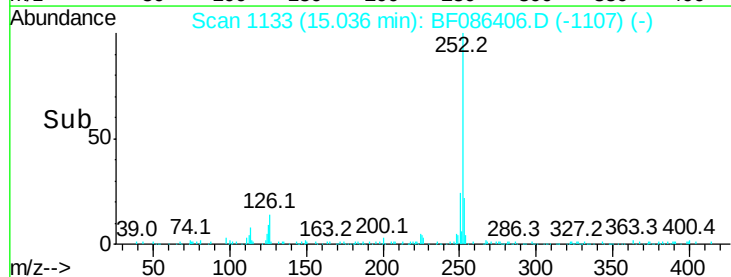
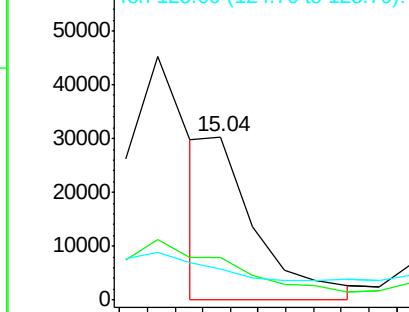
Lab File: BF086406.D

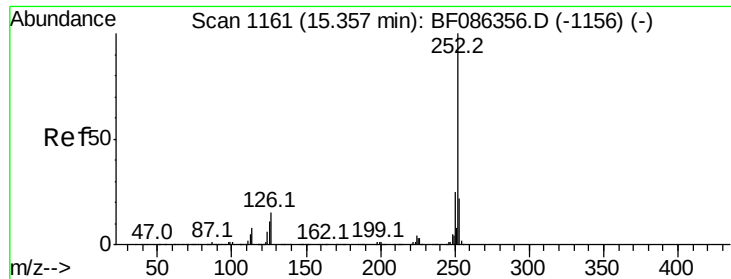
Acq: 23 Apr 2016 22:48

Tgt Ion:	252	Resp:	38416
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.8	26.6
125	18.9	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





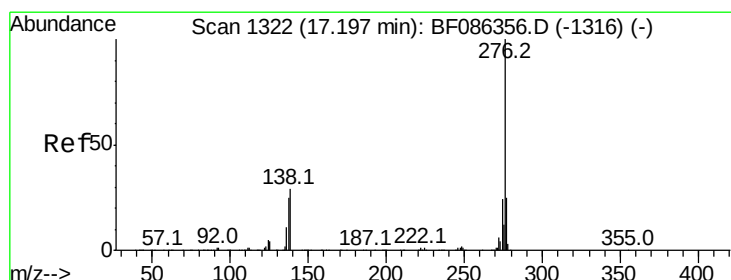
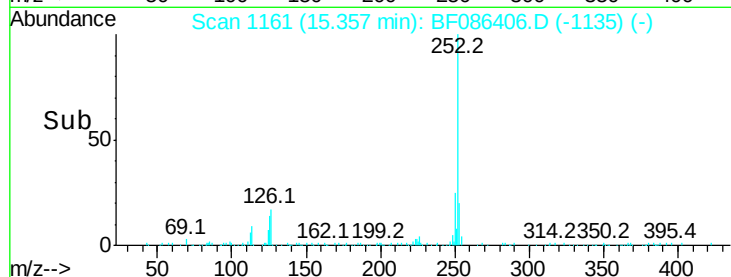
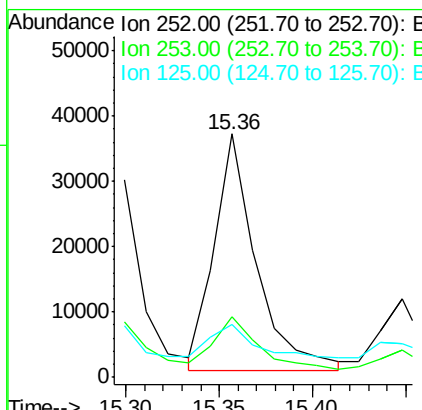
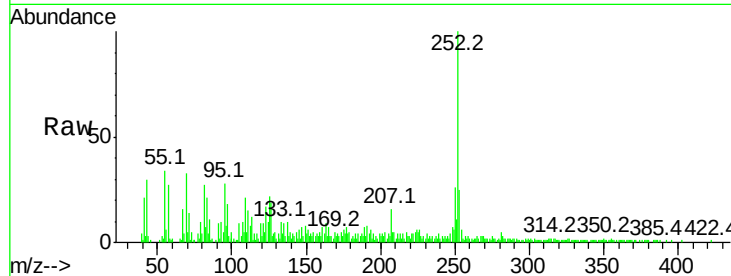
#89
Benzo(a)pyrene
Concen: 4.14 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF086406.D
Acq: 23 Apr 2016 22:48

Instrument :
BNA_F
ClientSampleId :
WPG-B16(0-4)-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.2	25.8
125	21.6	9.0	13.6

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#91
Benzo(g,h,i)perylene
Concen: 2.85 ng
RT: 17.21 min Scan# 1323
Delta R.T. 0.01 min
Lab File: BF086406.D
Acq: 23 Apr 2016 22:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.6	29.4
138	33.9	23.6	35.4

