

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
 Data File : BF086395.D
 Acq On : 23 Apr 2016 17:29
 Operator : UM/SJ
 Sample : H2640-01
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B11(0-4)-C

Manual Integrations
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Quant Time: Apr 25 11:51:38 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	194622	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	763458	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	320837	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	520096	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	376644	20.00	ng	0.00
86) Perylene-d12	15.41	264	276185	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	878185	77.92	ng	0.01
7) Phenol-d6	6.48	99	1430457	93.37	ng	0.00
23) Nitrobenzene-d5	7.40	82	949767	73.69	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	106234	36.58	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1622541	86.30	ng	0.00
78) Terphenyl-d14	12.95	244	1101922	72.69	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.60	163	252458	10.89	ng	99
70) Phenanthrene	11.38	178	297245	11.37	ng	99
71) Anthracene	11.44	178	120317	4.02	ng	98
74) Fluoranthene	12.57	202	367822	13.05	ng	96
77) Pyrene	12.80	202	342403	13.03	ng	99
80) Benzo(a)anthracene	13.99	228	151686m	7.76	ng	
82) Chrysene	14.02	228	147789m	6.71	ng	
83) Bis(2-ethylhexyl)phthalate	13.99	149	34589	2.52	ng	# 90
85) Indeno(1,2,3-cd)pyrene	16.79	276	50057	2.56	ng	# 87
87) Benzo(b)fluoranthene	15.01	252	136166m	8.98	ng	
88) Benzo(k)fluoranthene	15.03	252	51007m	3.43	ng	
89) Benzo(a)pyrene	15.36	252	97920	6.55	ng	# 89
91) Benzo(a,h,i)perylene	17.20	276	47873	3.76	ng	# 89

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

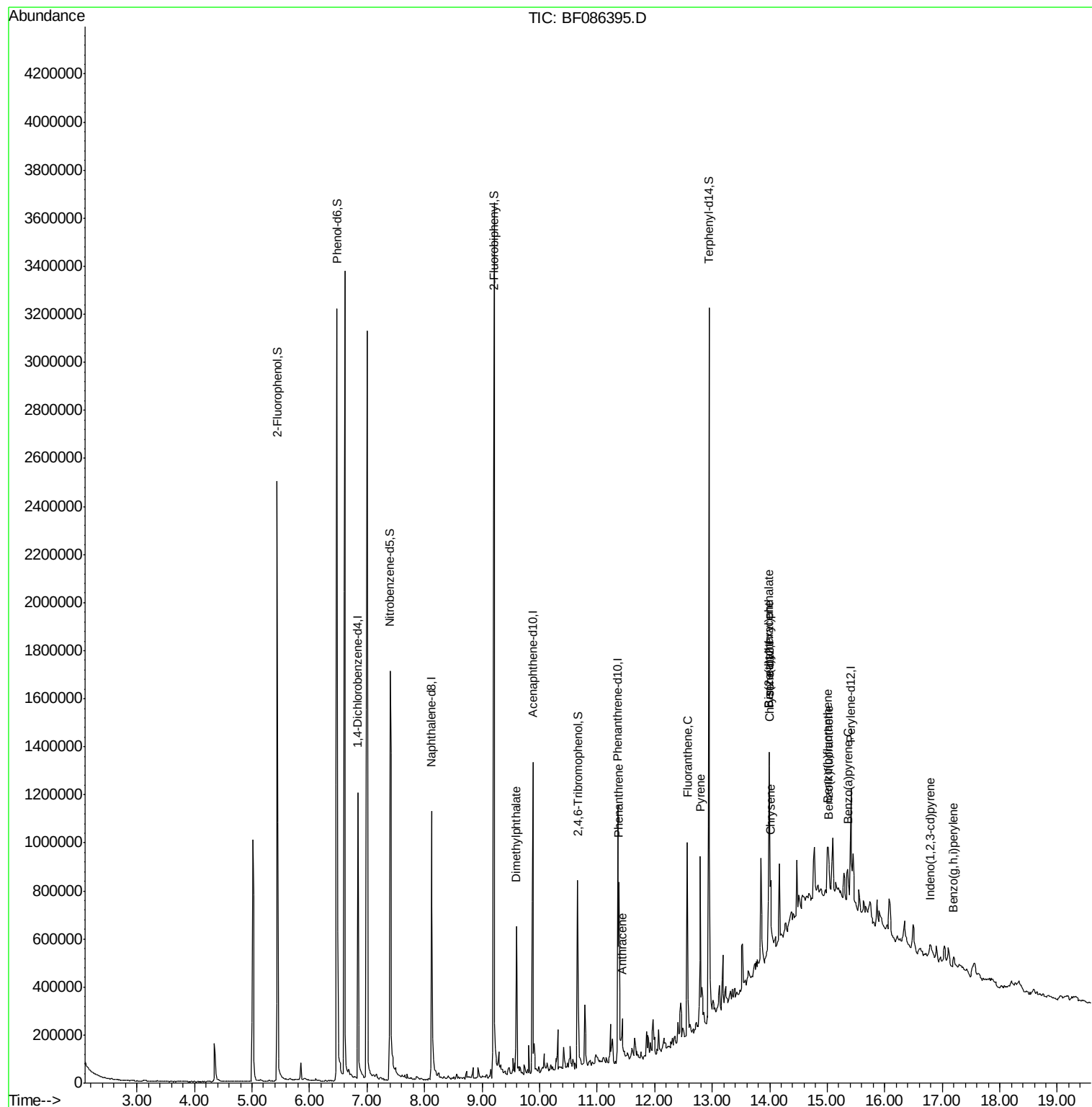
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
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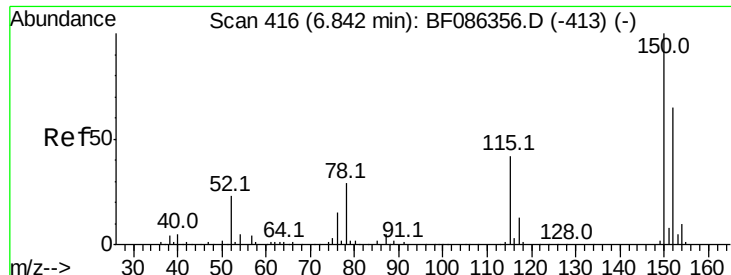
Instrument :
BNA_F
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WPG-B11(0-4)-C

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Quant Time: Apr 25 11:51:38 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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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: BF086395.D

Acq: 23 Apr 2016 17:29

Instrument :

BNA_F

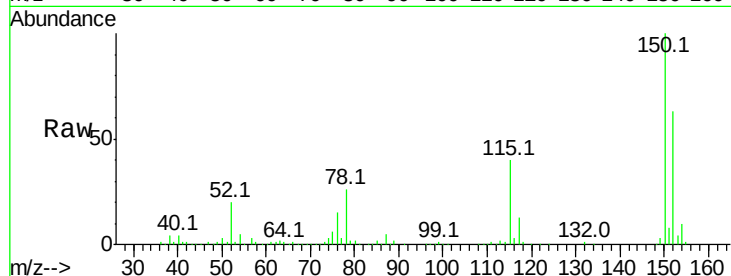
ClientSampleId :

WPG-B11(0-4)-C

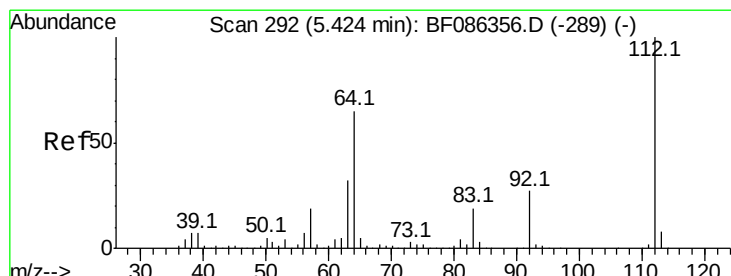
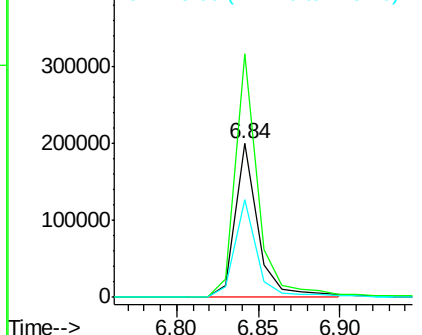
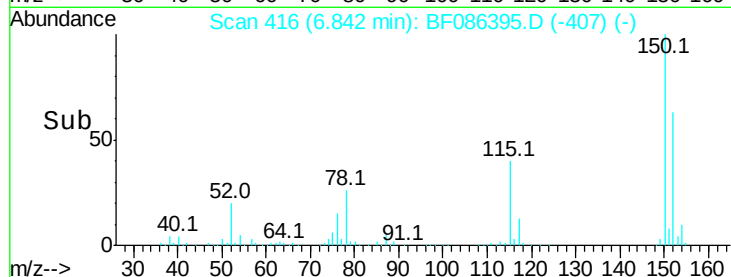
Tot Ion:	152	Resp:	194622
Ion Ratio	Lower	Upper	
152	100		
150	158.5	125.8	188.6
115	63.3	51.5	77.3

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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: 77.92 ng

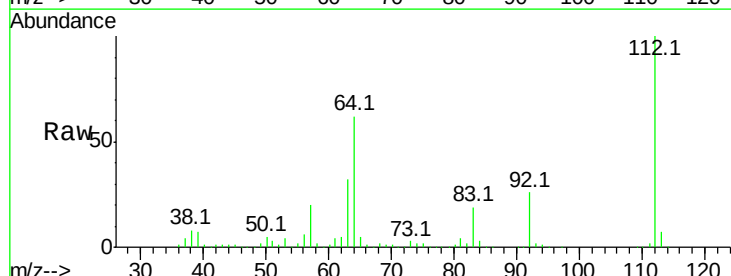
RT: 5.44 min Scan# 293

Delta R.T. 0.01 min

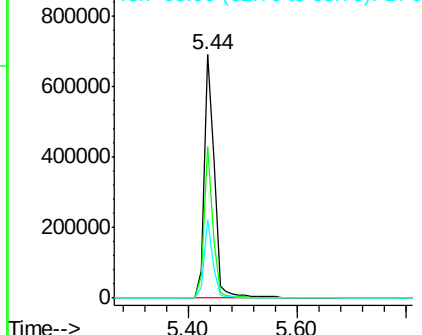
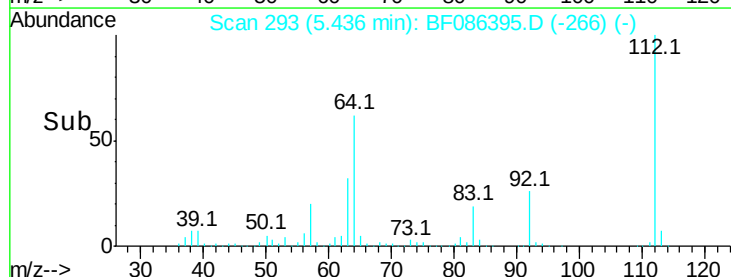
Lab File: BF086395.D

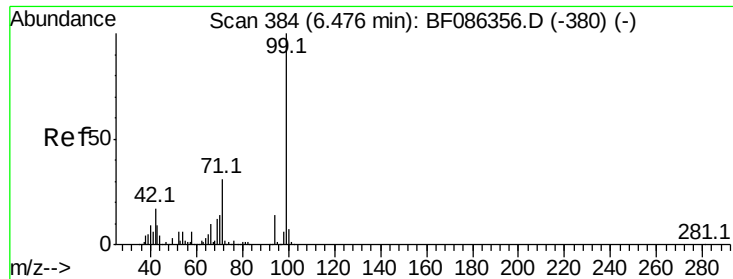
Acq: 23 Apr 2016 17:29

Tgt Ion:	112	Resp:	878185
Ion Ratio	Lower	Upper	
112	100		
64	62.4	52.1	78.1
63	32.0	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: 93.37 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Instrument :

BNA_F

ClientSampleId :

WPG-B11(0-4)-C

Tot Ion: 99 Resp: 1430457

Ion Ratio Lower Upper

99 100

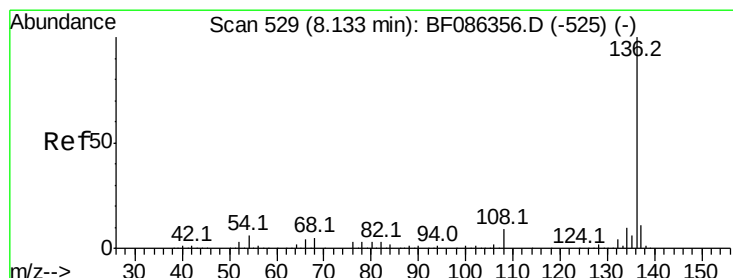
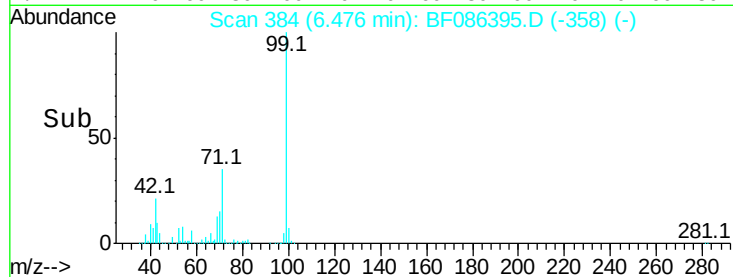
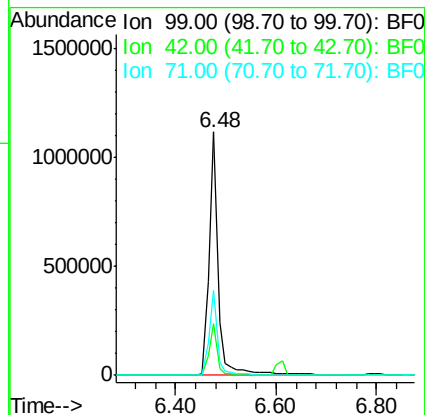
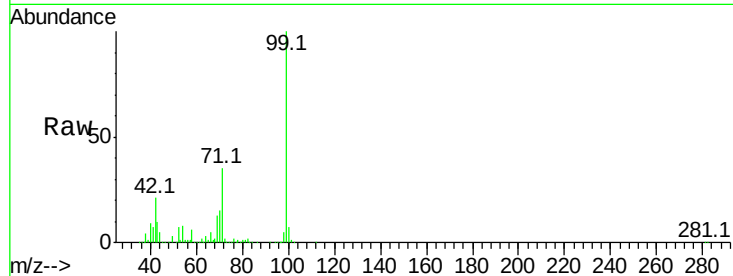
42 21.2 13.6 20.4#

71 34.9 24.6 36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Tgt Ion: 136 Resp: 763458

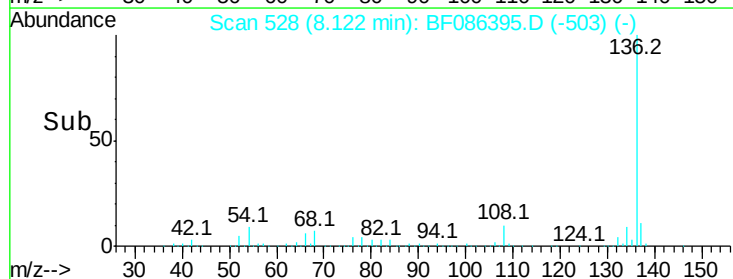
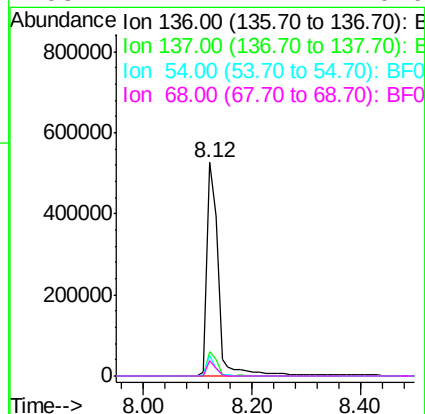
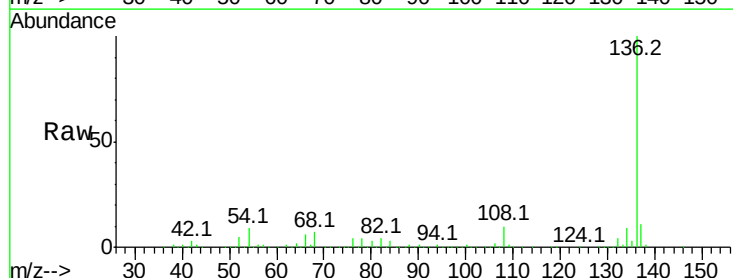
Ion Ratio Lower Upper

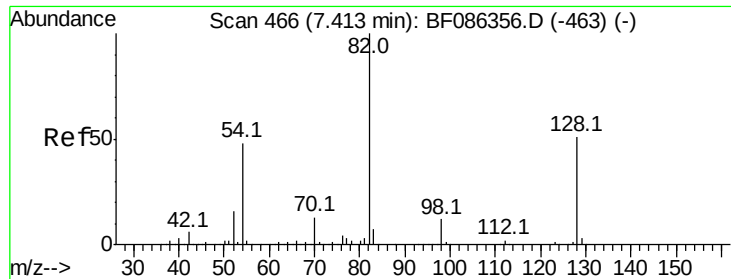
136 100

137 11.4 8.8 13.2

54 9.4 5.0 7.4#

68 7.4 4.4 6.6#





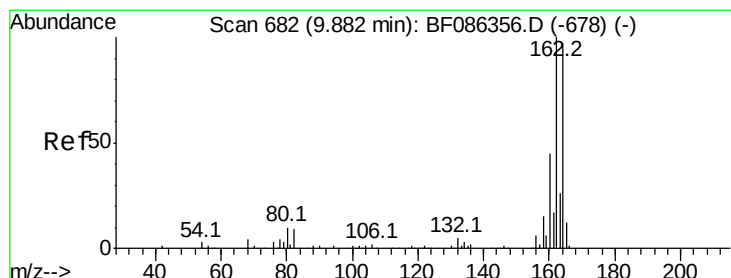
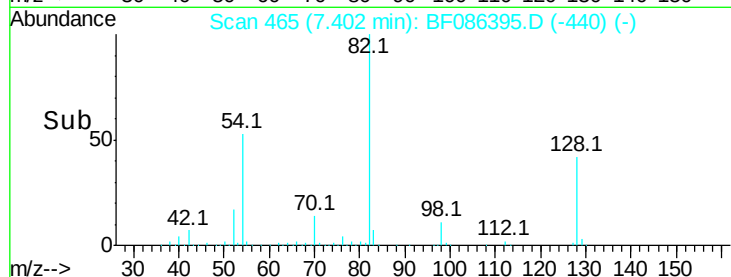
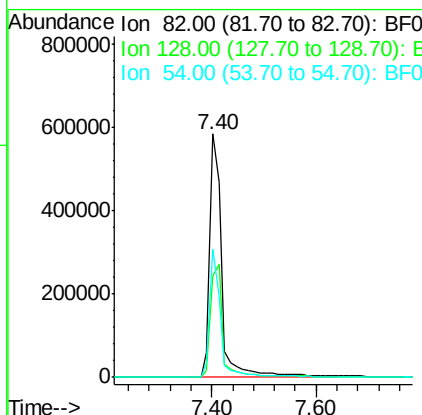
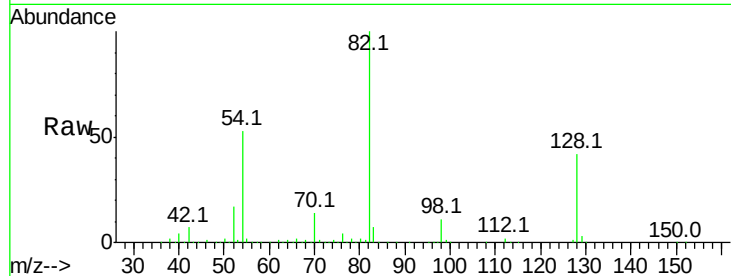
#23
Nitrobenzene-d5
Concen: 73.69 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF086395.D
Acq: 23 Apr 2016 17:29

Instrument :
BNA_F
ClientSampleId :
WPG-B11(0-4)-C

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.8	40.6	61.0	
54	52.8	38.1	57.1	

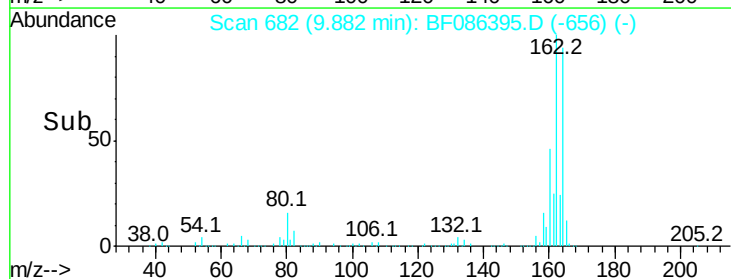
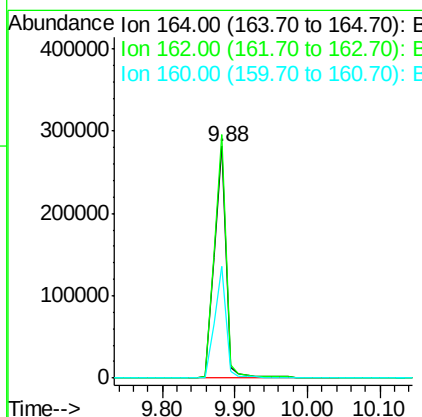
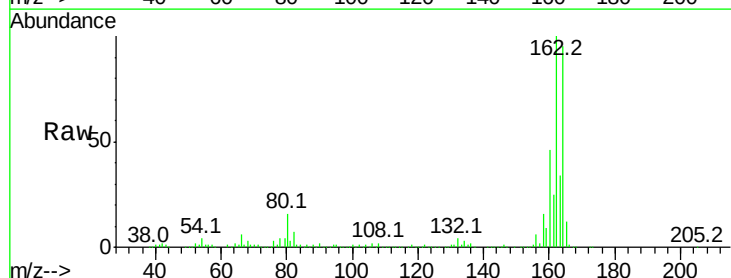
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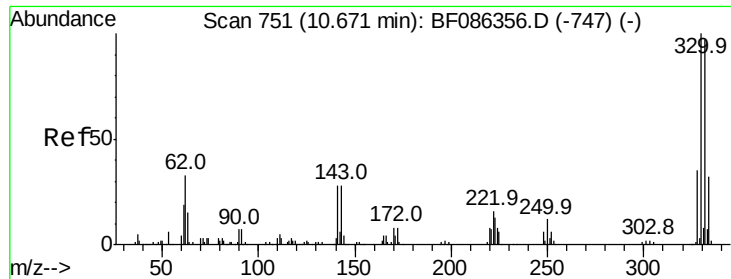
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.00 min
Lab File: BF086395.D
Acq: 23 Apr 2016 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.1	82.8	124.2	
160	48.3	36.9	55.3	





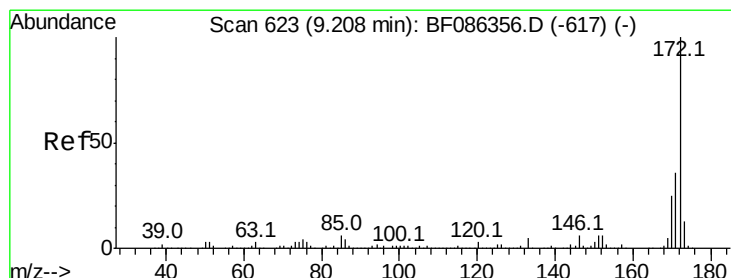
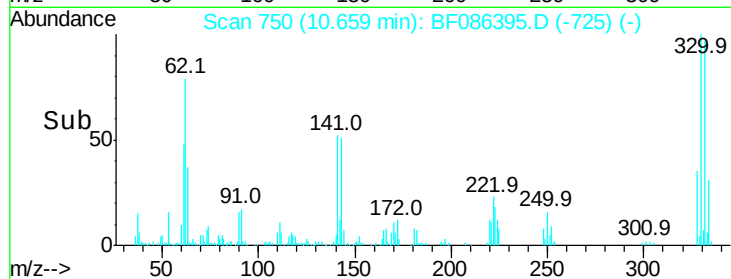
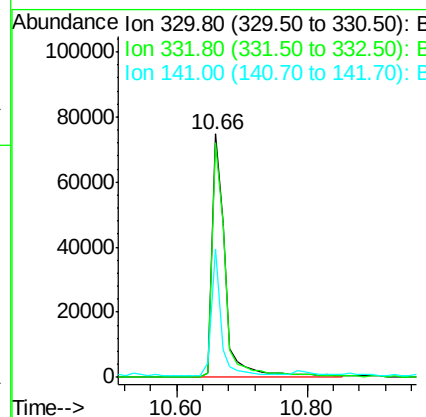
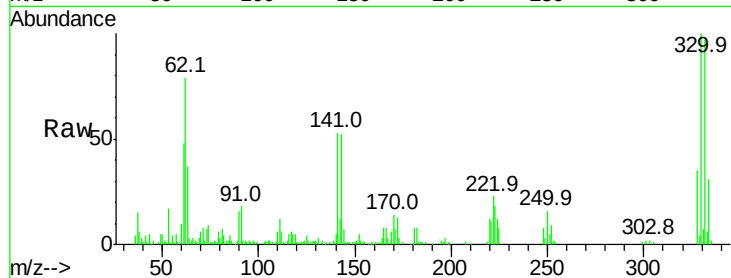
#41
 2,4,6-Tribromophenol
 Concen: 36.58 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF086395.D
 Acq: 23 Apr 2016 17:29

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B11(0-4)-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	106234		
332	97.7	79.0	118.4	
141	38.1	31.2	46.8	

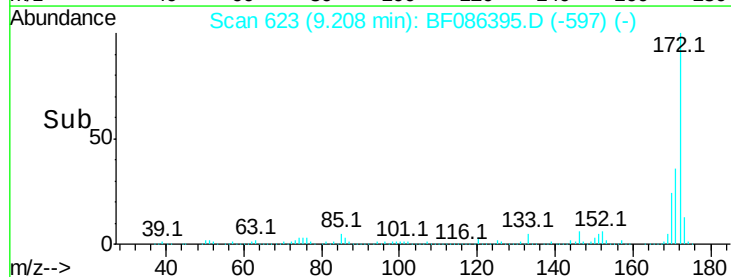
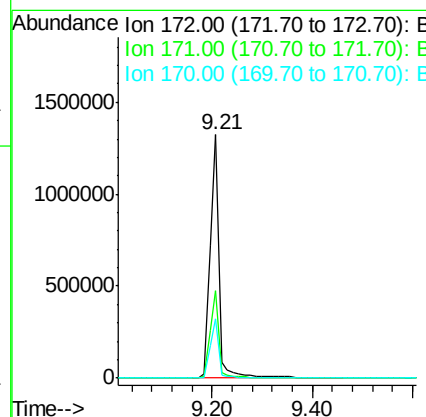
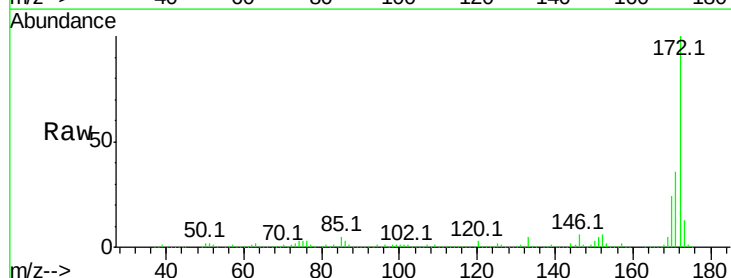
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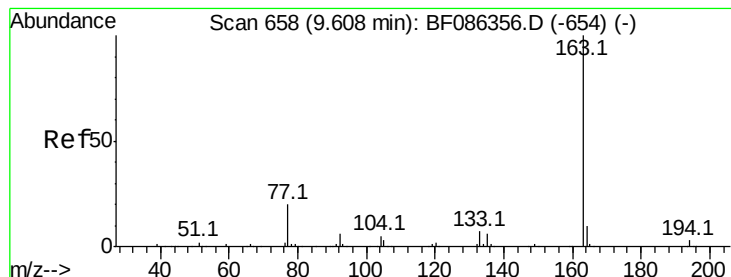
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#44
 2-Fluorobiphenyl
 Concen: 86.30 ng
 RT: 9.21 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF086395.D
 Acq: 23 Apr 2016 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1622541		
171	36.0	29.0	43.6	
170	24.3	19.8	29.8	





#49

Dimethylphthalate

Concen: 10.89 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Instrument :

BNA_F

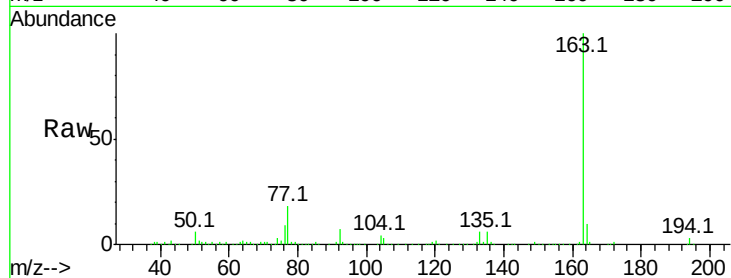
ClientSampleId :

WPG-B11(0-4)-C

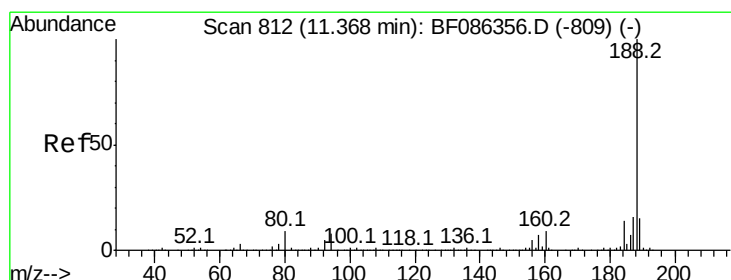
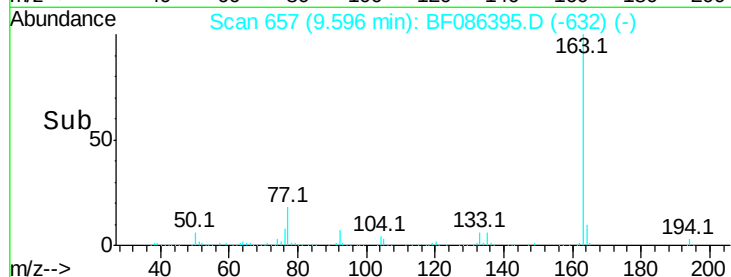
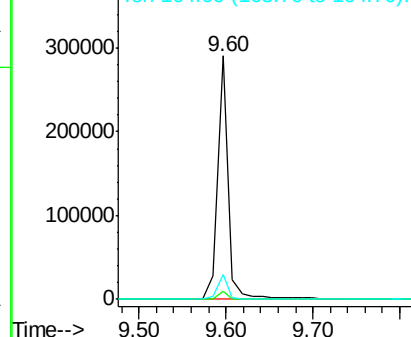
Tot Ion:	163	Resp:	252458
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.6	4.0
164	9.9	8.2	12.4

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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

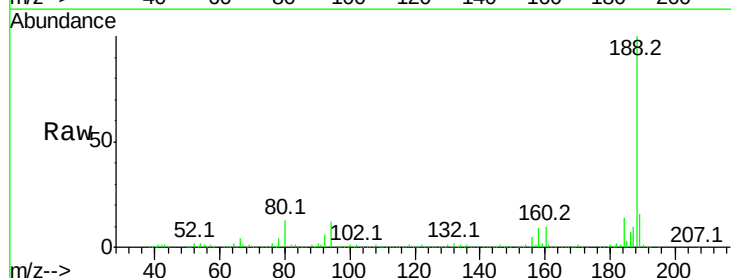
RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

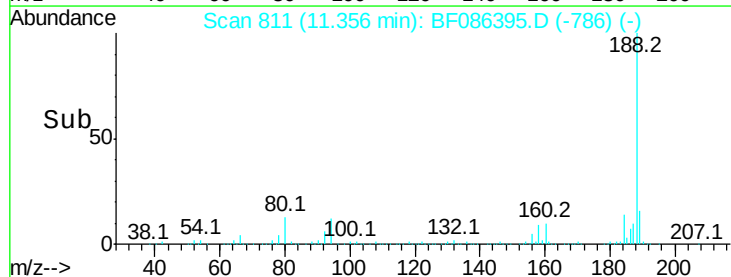
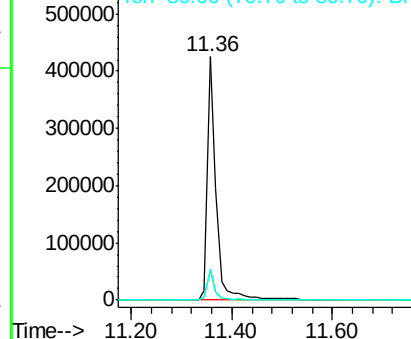
Lab File: BF086395.D

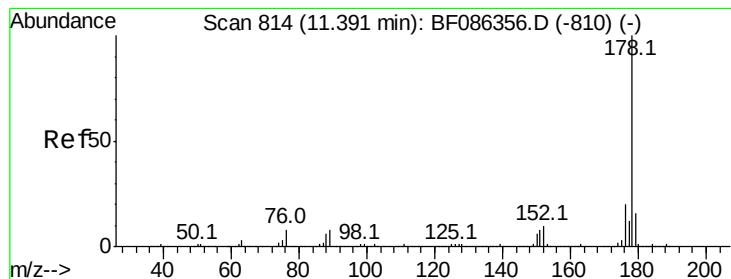
Acq: 23 Apr 2016 17:29

Tgt Ion:	188	Resp:	520096
Ion Ratio	Lower	Upper	
188	100		
94	12.2	6.8	10.2#
80	12.6	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: 11.37 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Instrument :

BNA_F

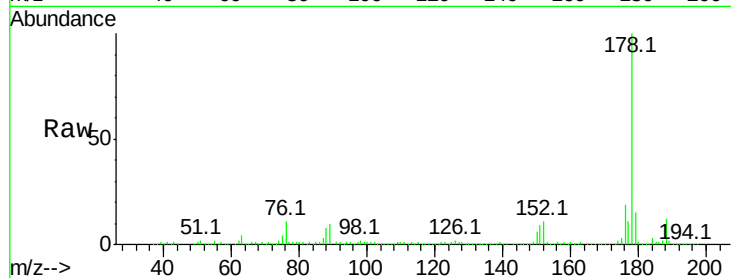
ClientSampleId :

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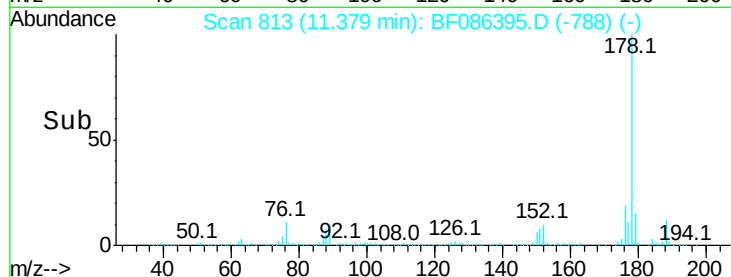
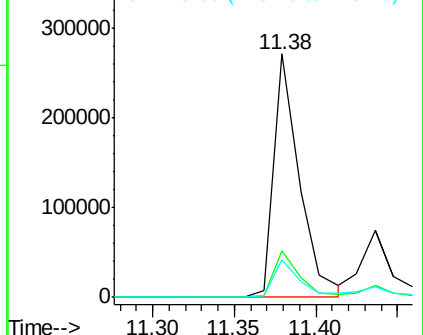
Tot Ion:	178	Resp:	297245
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.0	24.0
179	15.4	12.6	18.8

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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



#71

Anthracene

Concen: 4.02 ng

RT: 11.44 min Scan# 818

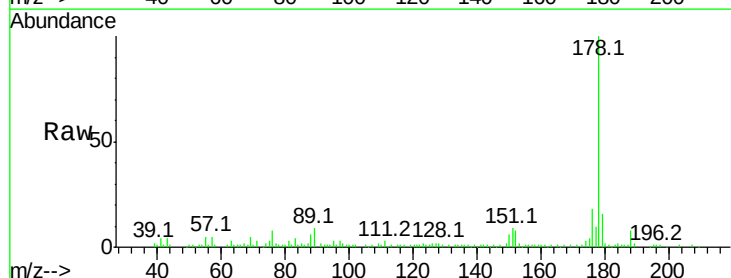
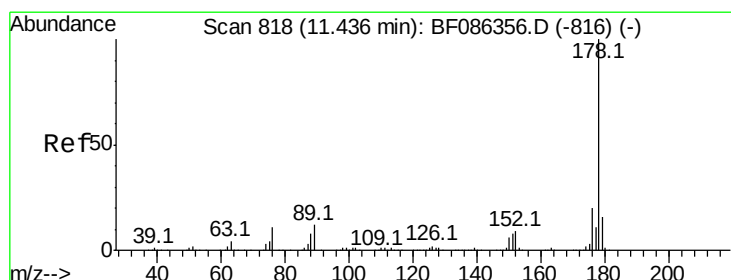
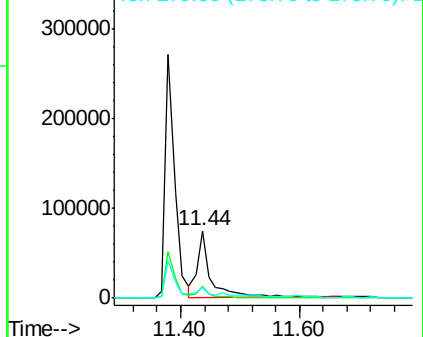
Delta R.T. 0.00 min

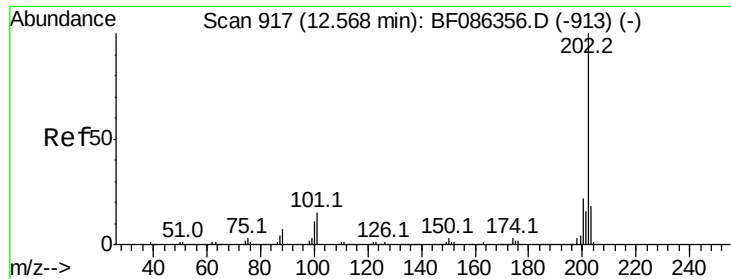
Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Tgt Ion:	178	Resp:	120317
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.6	23.4
179	16.2	12.7	19.1

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: 13.05 ng

RT: 12.57 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Instrument :

BNA_F

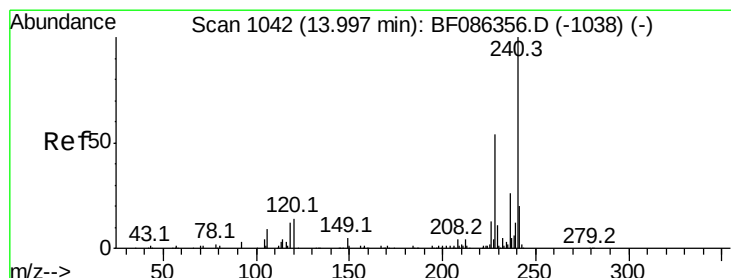
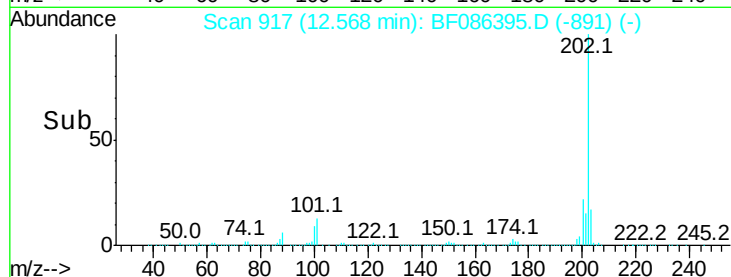
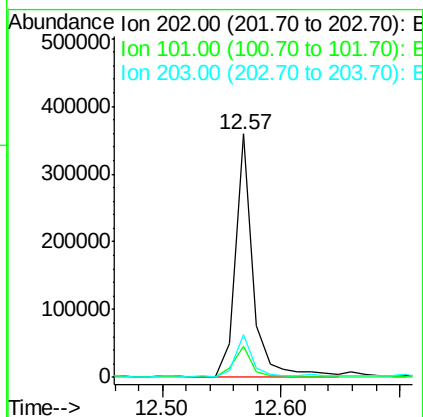
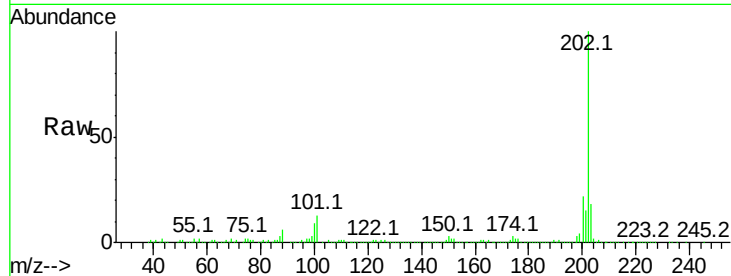
ClientSampleId :

WPG-B11(0-4)-C

Tot Ion	Ratio	Resp	Lower	Upper
202	100	367822		
101	12.7	0.0	35.4	
203	17.5	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

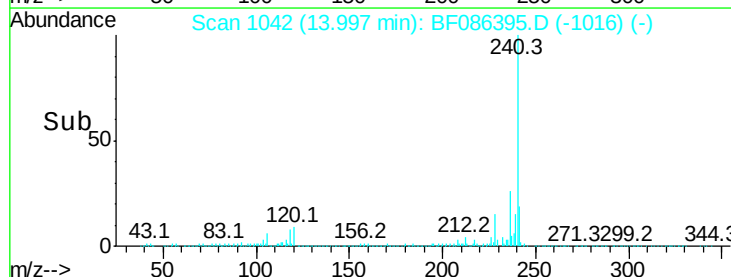
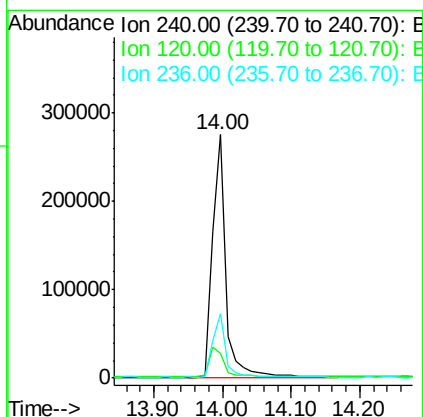
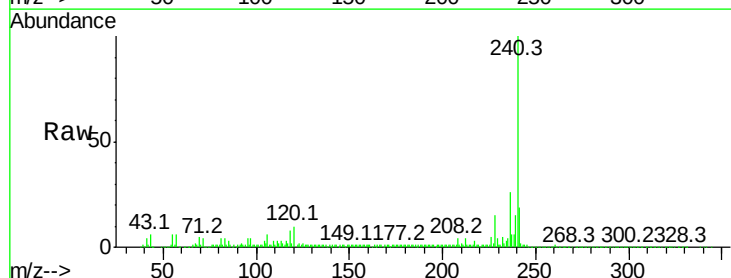
RT: 14.00 min Scan# 1042

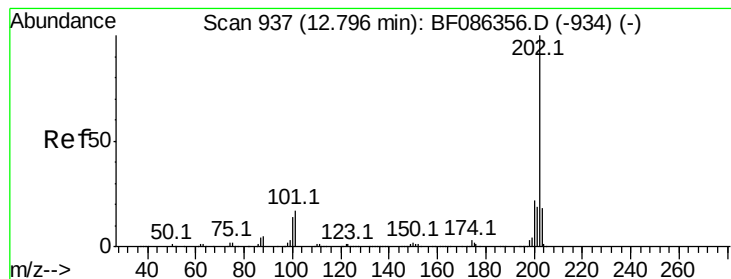
Delta R.T. 0.00 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	376644		
120	9.9	11.2	16.8#	
236	26.4	21.2	31.8	





#77

Pvrene

Concen: 13.03 ng

RT: 12.80 min Scan# 937

Delta R.T. 0.00 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Instrument :

BNA_F

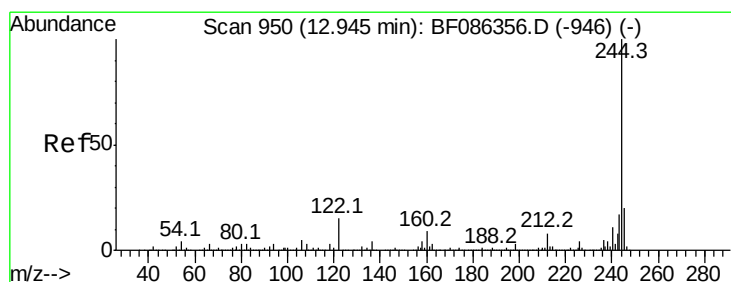
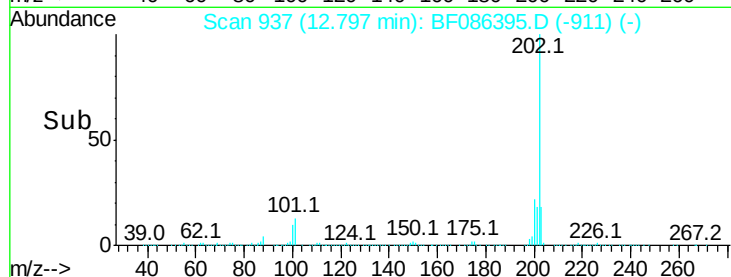
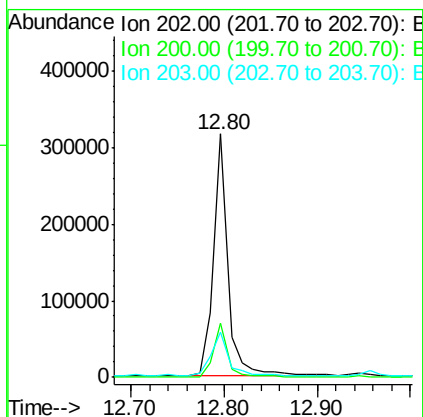
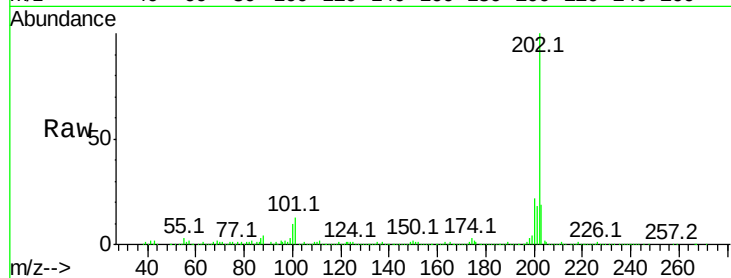
ClientSampleId :

WPG-B11(0-4)-C

Tot Ion:	202	Resp:	342403
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.7	26.5
203	18.8	14.2	21.4

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#78

Terphenyl-d14

Concen: 72.69 ng

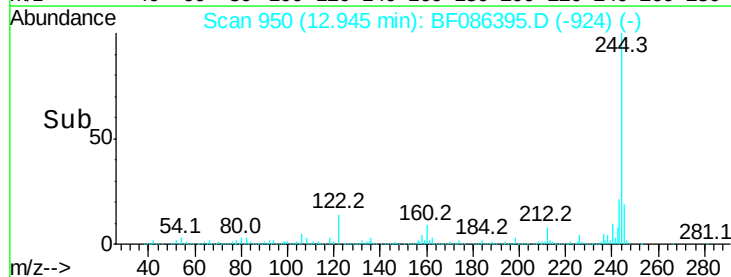
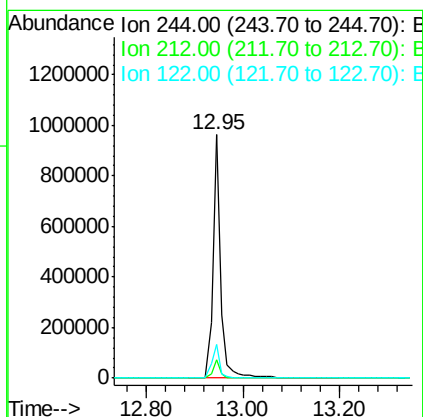
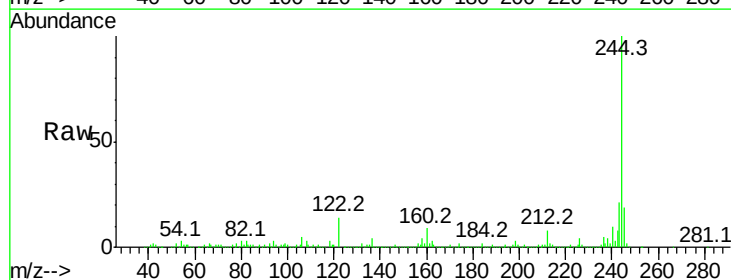
RT: 12.95 min Scan# 950

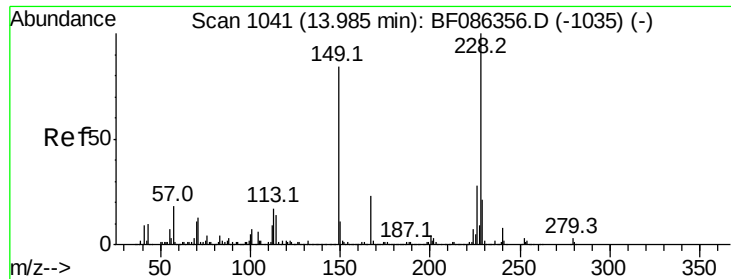
Delta R.T. 0.00 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Tgt Ion:	244	Resp:	1101922
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.2	9.2
122	14.0	12.0	18.0





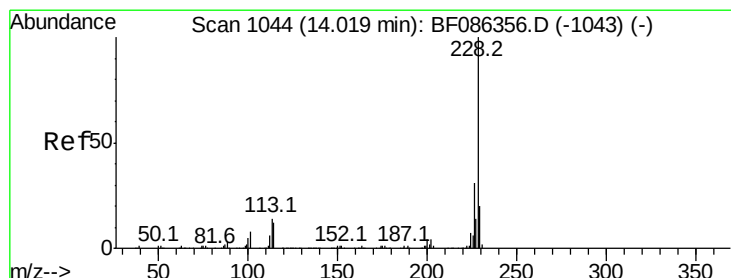
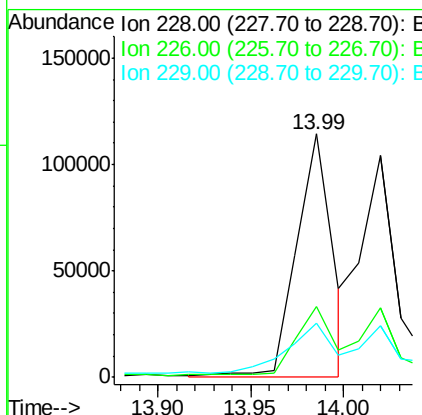
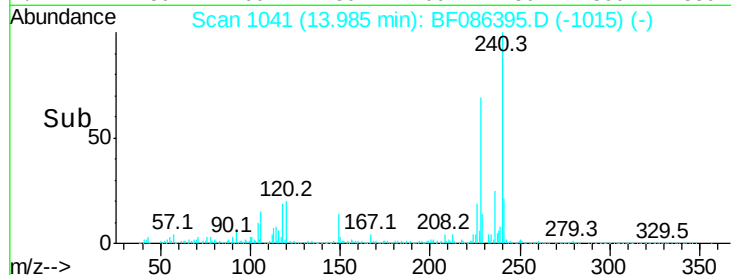
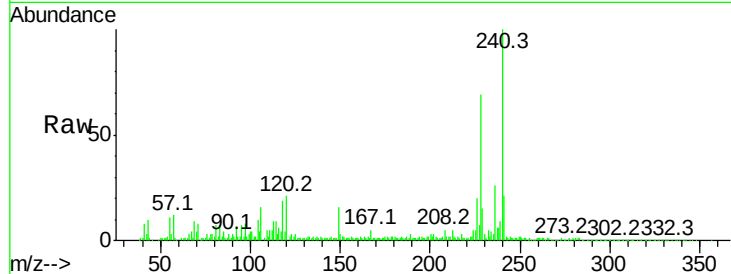
#80
 Benzo(a)anthracene
 Concen: 7.76 ng m
 RT: 13.99 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BF086395.D
 Acq: 23 Apr 2016 17:29

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B11(0-4)-C

Tot Ion:	228	Resp:	151686
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.5	33.7
229	22.1	16.6	25.0

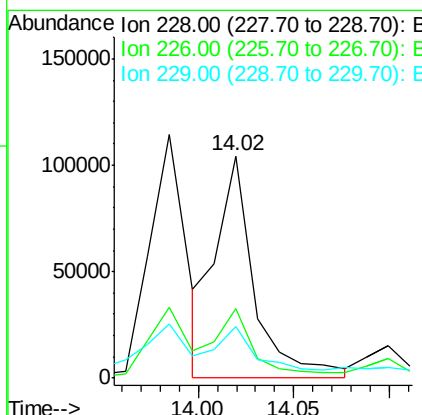
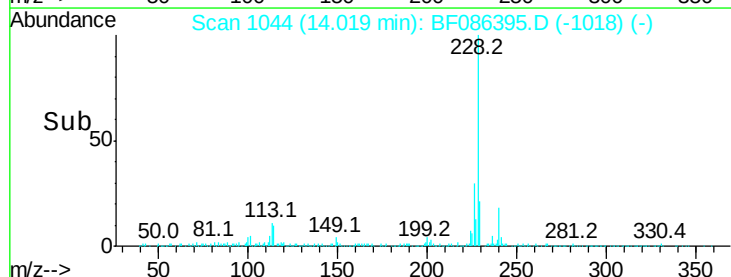
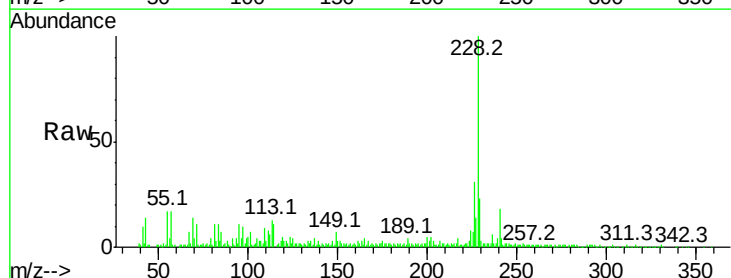
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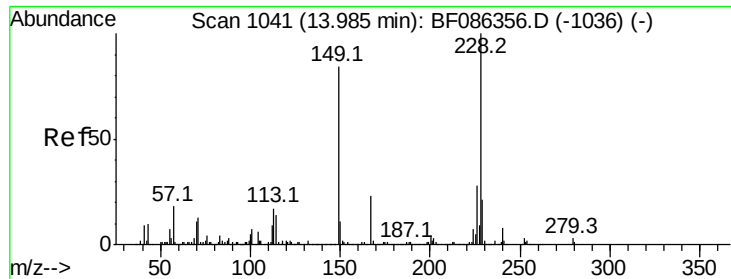
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#82
 Chrysene
 Concen: 6.71 ng m
 RT: 14.02 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: BF086395.D
 Acq: 23 Apr 2016 17:29

Tgt Ion:	228	Resp:	147789
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.4	36.6
229	23.2	15.8	23.8





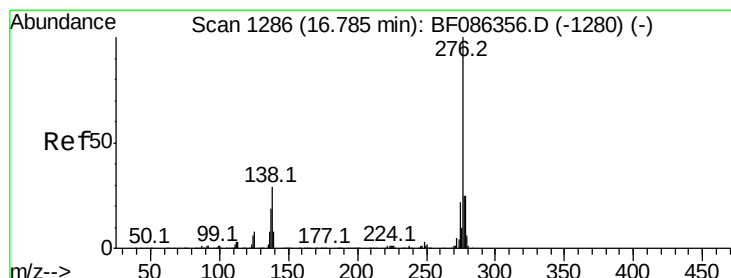
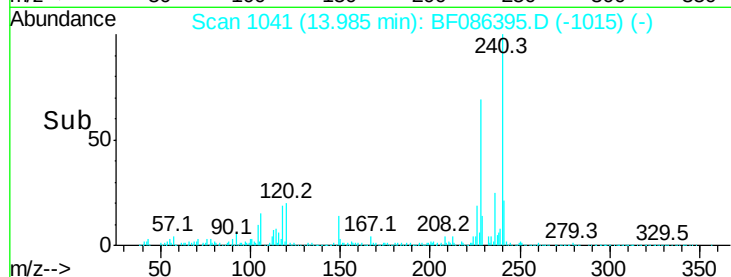
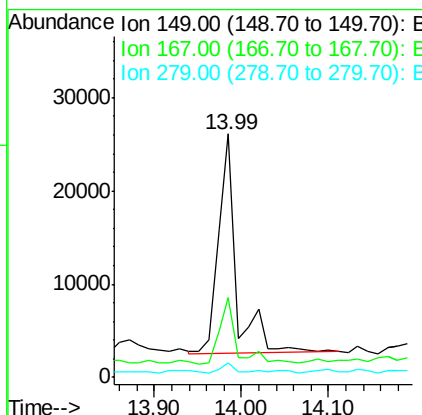
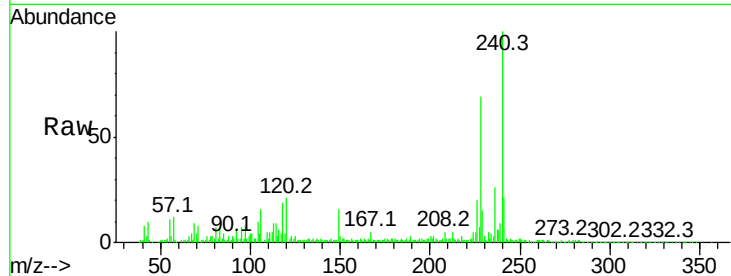
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.52 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BF086395.D
 Acq: 23 Apr 2016 17:29

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B11(0-4)-C

Tot Ion	Ratio	Lower	Upper
149	100		
167	32.7	21.8	32.6#
279	6.0	2.6	4.0#

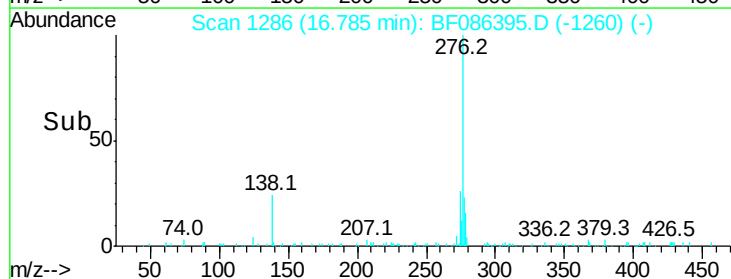
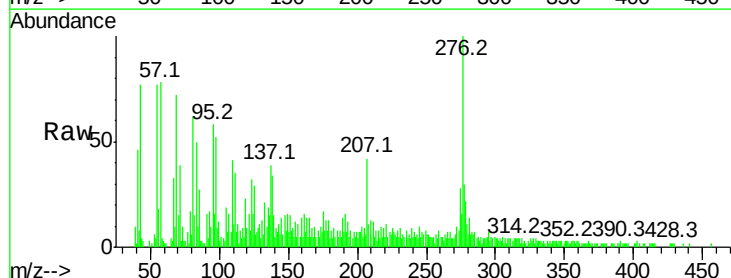
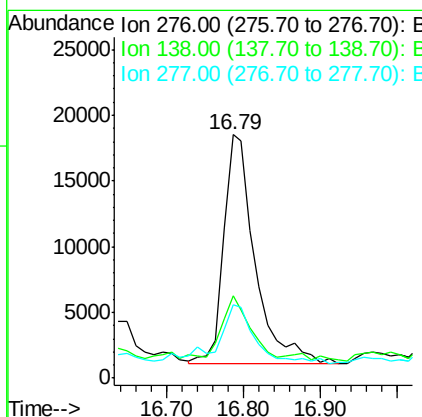
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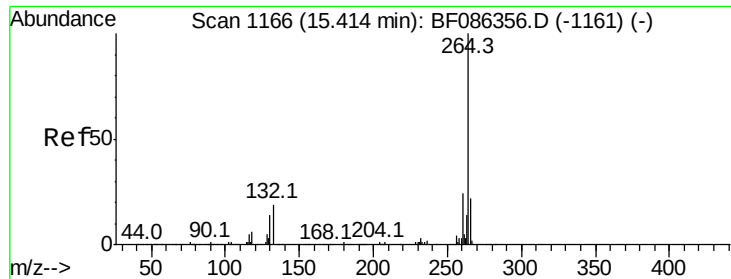
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.56 ng
 RT: 16.79 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: BF086395.D
 Acq: 23 Apr 2016 17:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.5	25.6	38.4#
277	30.3	20.5	30.7





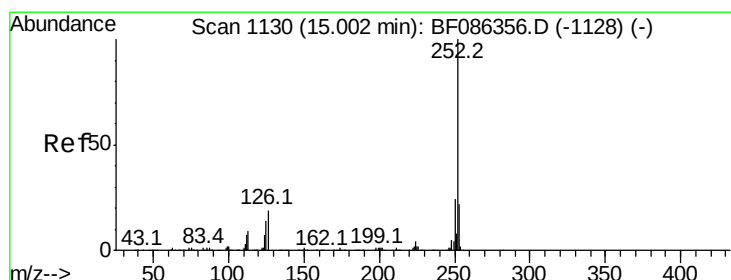
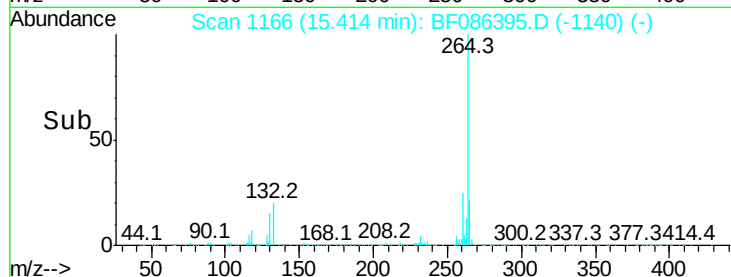
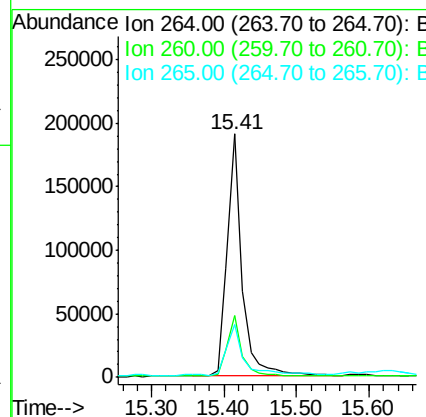
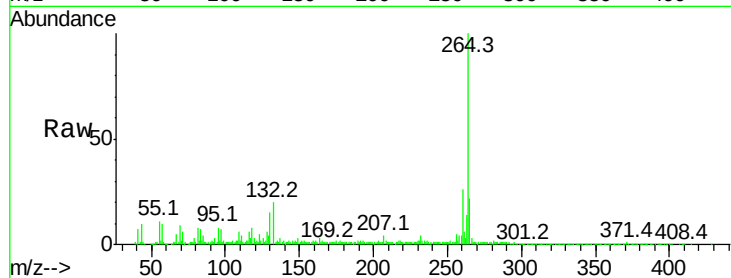
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF086395.D
Acq: 23 Apr 2016 17:29

Instrument :
BNA_F
ClientSampleId :
WPG-B11(0-4)-C

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	25.5	19.5	29.3	
265	21.9	17.3	25.9	

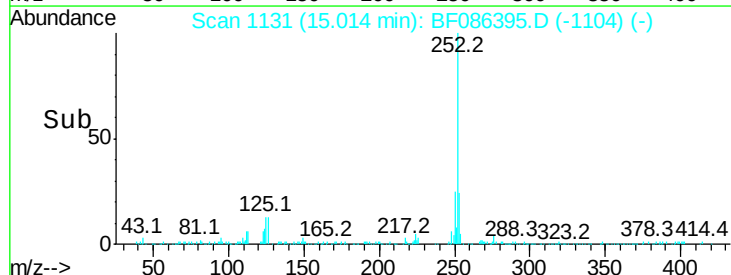
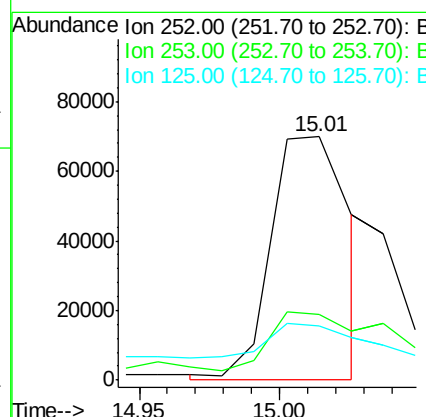
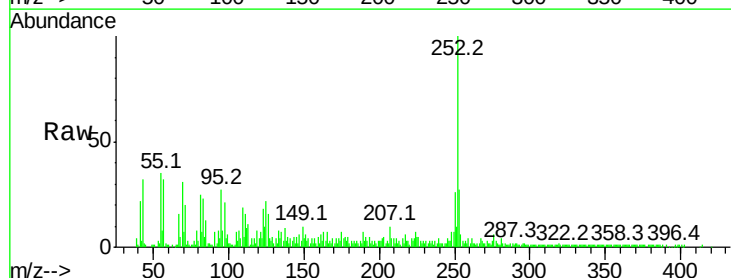
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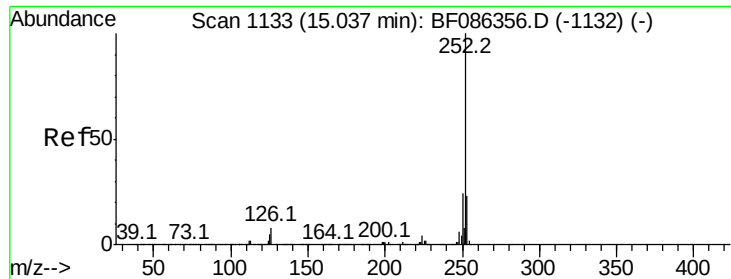
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#87
Benzo(b)fluoranthene
Concen: 8.98 ng m
RT: 15.01 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF086395.D
Acq: 23 Apr 2016 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	27.1	17.8	26.6#	
125	22.2	11.4	17.0#	





#88

Benzo(k)fluoranthene

Concen: 3.43 ng

RT: 15.03 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Instrument :

BNA_F

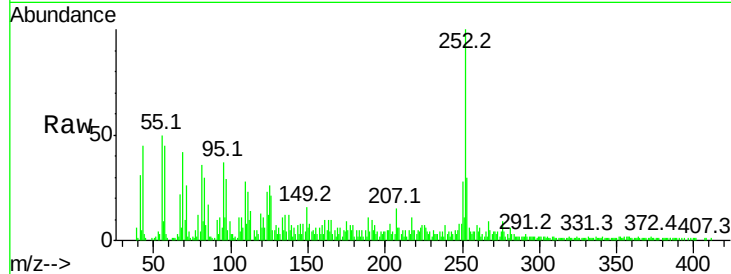
ClientSampleId :

WPG-B11(0-4)-C

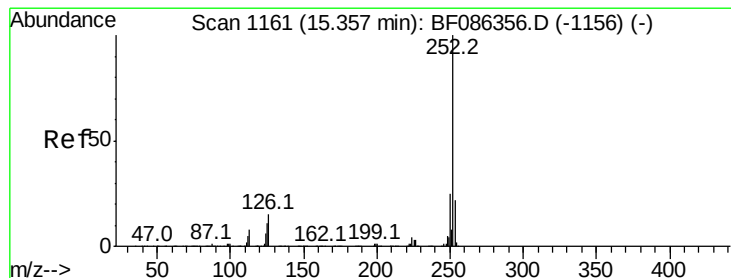
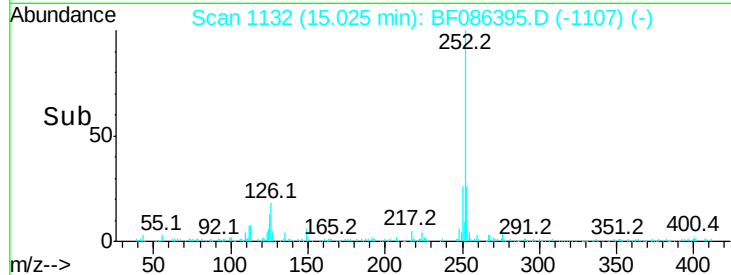
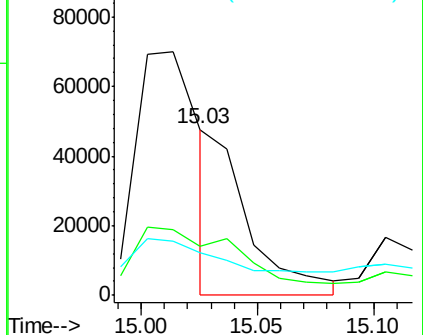
Tot Ion:	252	Resp:	51007
Ion Ratio	Lower	Upper	
252	100		
253	29.8	17.8	26.6#
125	25.6	9.1	13.7#

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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



#89

Benzo(a)pyrene

Concen: 6.55 ng

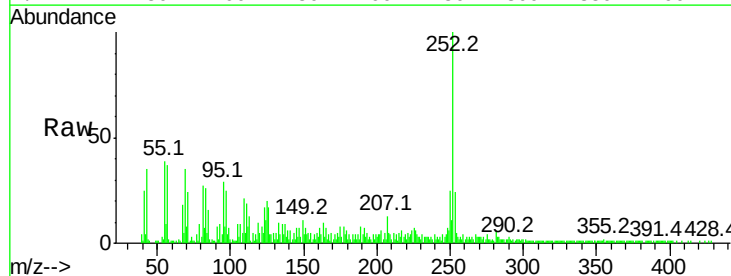
RT: 15.36 min Scan# 1161

Delta R.T. 0.00 min

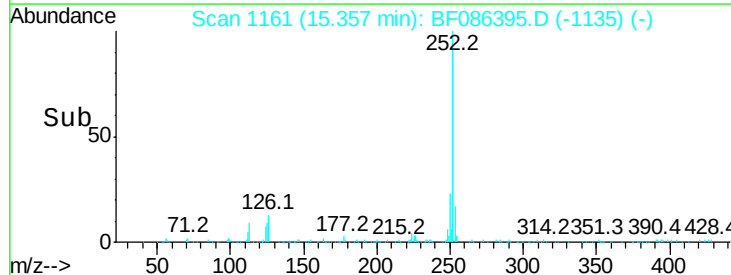
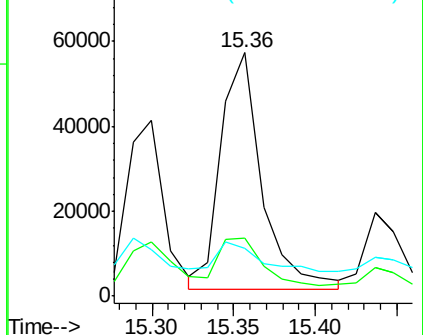
Lab File: BF086395.D

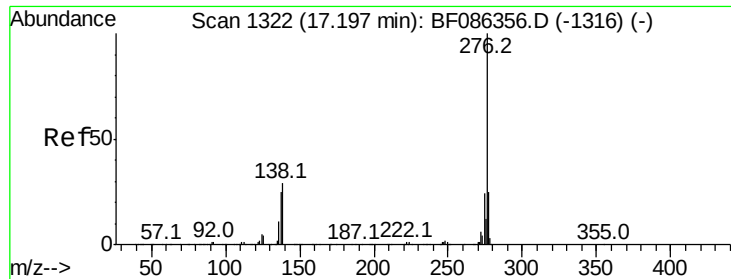
Acq: 23 Apr 2016 17:29

Tgt Ion:	252	Resp:	97920
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.2	25.8
125	19.8	9.0	13.6#



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





#91
 Benzo(a,h,i)perylene
 Concen: 3.76 ng
 RT: 17.20 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: BF086395.D
 Acq: 23 Apr 2016 17:29

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B11(0-4)-C

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.6	19.6	29.4
138	38.3	23.6	35.4

Manual Integrations
 APPROVED

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