

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
 Data File : BF086402.D
 Acq On : 23 Apr 2016 20:52
 Operator : UM/SJ
 Sample : H2640-17
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B9(5-9)-C

Manual Integrations
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Quant Time: Apr 25 06:51:30 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	191132	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	749872	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	316356	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	510666	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	380987	20.00	ng	0.00
86) Perylene-d12	15.41	264	266912	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1391423	125.72	ng	0.02
7) Phenol-d6	6.49	99	2035145	135.26	ng	0.01
23) Nitrobenzene-d5	7.41	82	1291942	102.06	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	327906	114.50	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1823090	98.34	ng	0.00
78) Terphenyl-d14	12.95	244	1326910	86.53	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.60	163	306104	13.39	ng	100
70) Phenanthrene	11.39	178	288460	11.24	ng	99
71) Anthracene	11.44	178	103934	3.54	ng	99
74) Fluoranthene	12.58	202	462022	16.70	ng	92
77) Pyrene	12.80	202	409051	15.39	ng	99
80) Benzo(a)anthracene	13.99	228	220616	11.15	ng	97
82) Chrysene	14.02	228	159966	7.18	ng	96
85) Indeno(1,2,3-cd)pyrene	16.80	276	73661	3.72	ng	94
87) Benzo(b)fluoranthene	15.01	252	176046m	12.02	ng	
88) Benzo(k)fluoranthene	15.03	252	74607m	5.19	ng	
89) Benzo(a)pyrene	15.36	252	131065	9.07	ng	# 91
91) Benzo(a,h,i)perylene	17.21	276	71579	5.82	ng	99

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

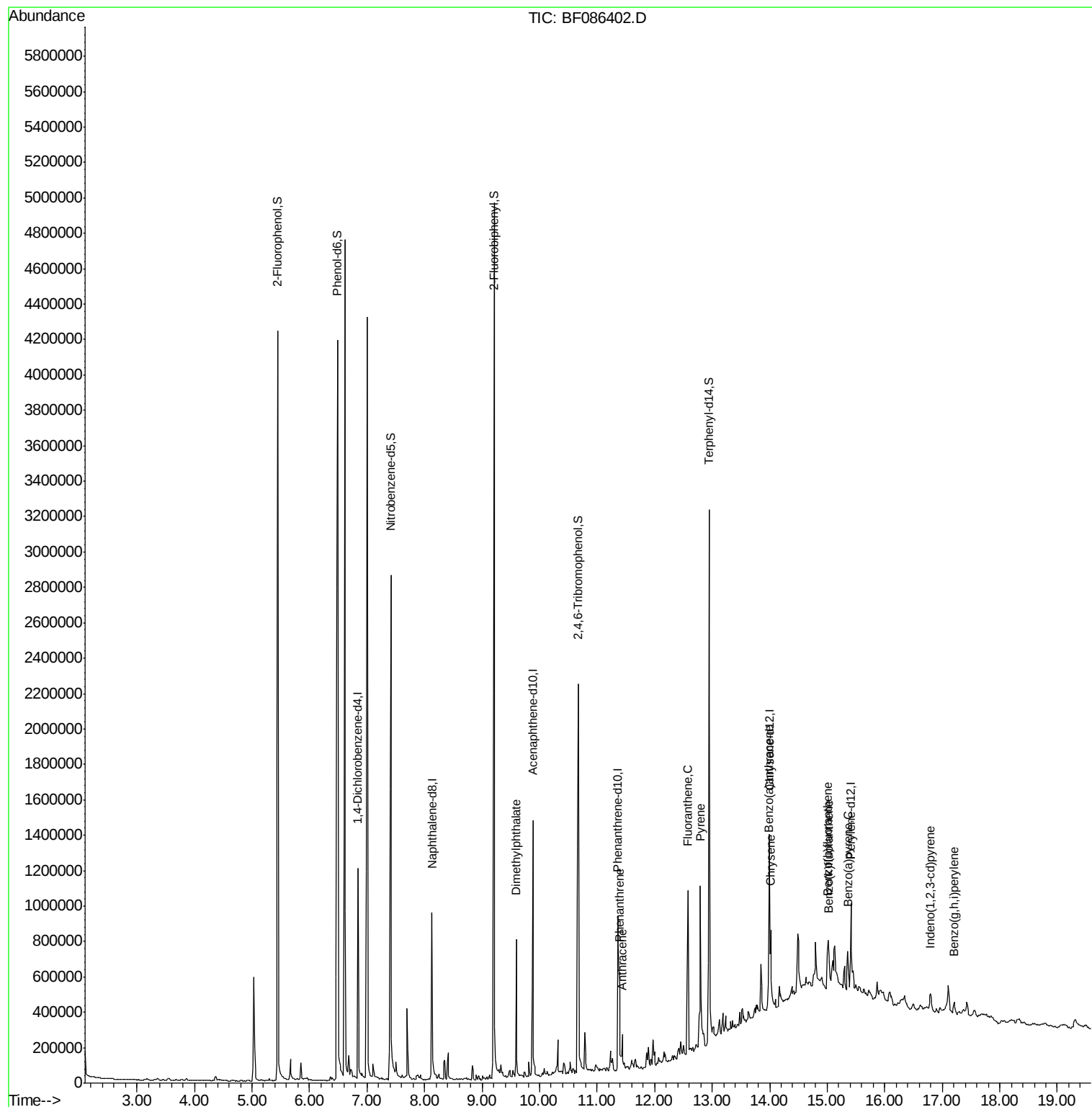
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
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ALS Vial : 46 Sample Multiplier: 1

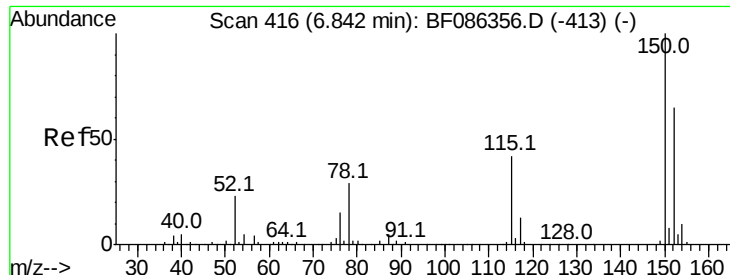
Instrument :
BNA_F
ClientSampleId :
WPG-B9(5-9)-C

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Quant Time: Apr 25 06:51:30 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

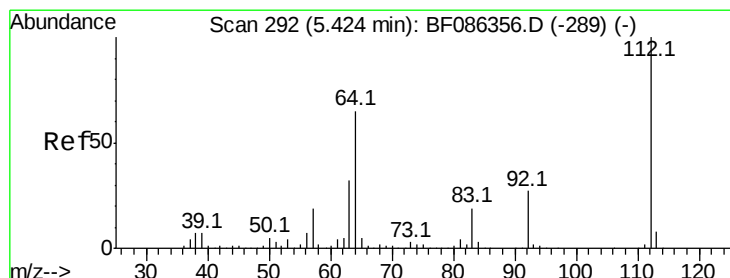
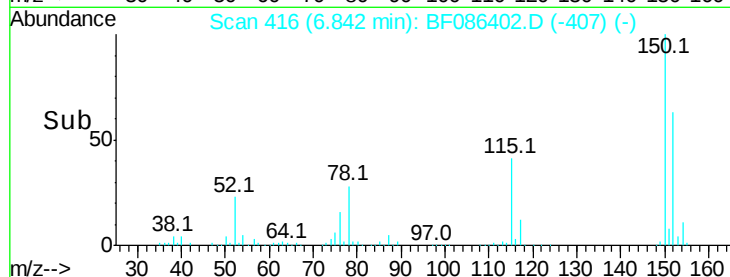
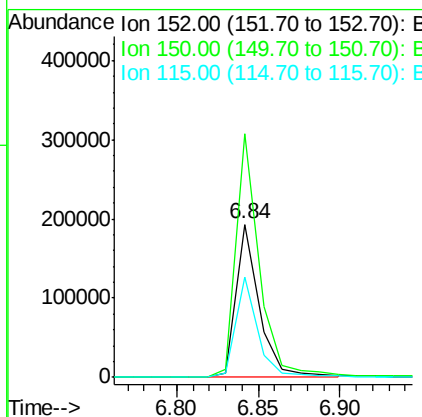
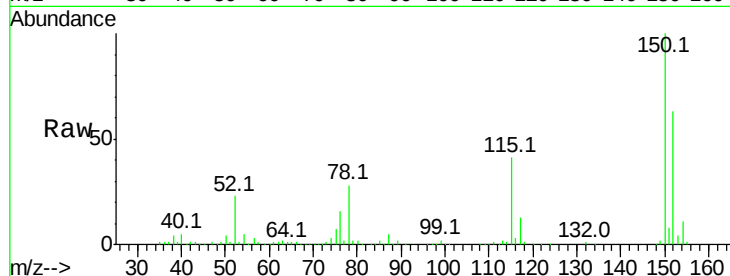
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. 0.00 min
Lab File: BF086402.D
Acq: 23 Apr 2016 20:52

Instrument :
BNA_F
ClientSampleId :
WPG-B9(5-9)-C

Tot Ion	Ratio	Resp	Lower	Upper
152	100	191132		
150	158.8	125.8	188.6	
115	65.6	51.5	77.3	

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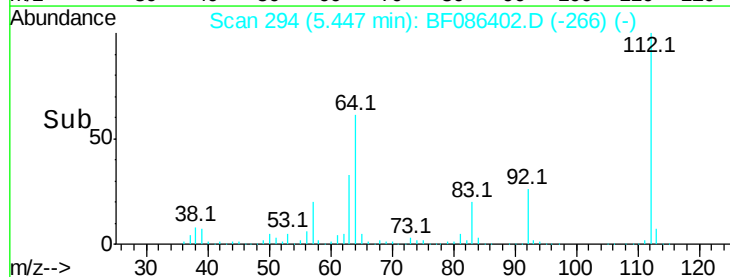
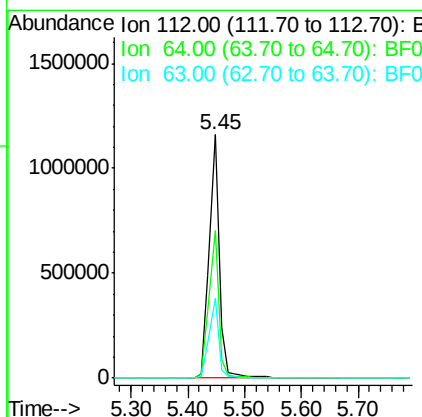
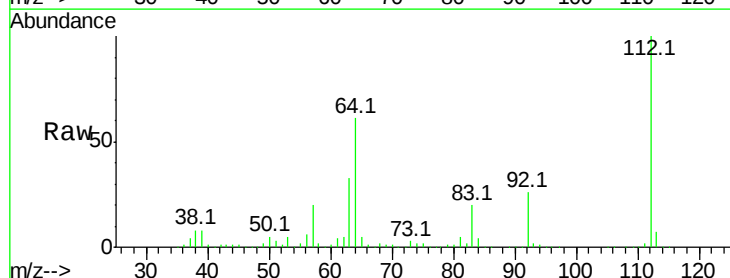
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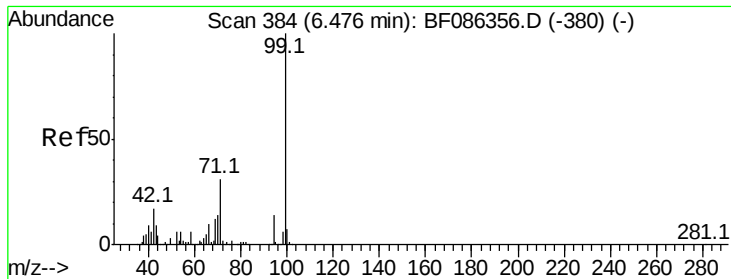


#5

2-Fluorophenol
Concen: 125.72 ng
RT: 5.45 min Scan# 294
Delta R.T. 0.02 min
Lab File: BF086402.D
Acq: 23 Apr 2016 20:52

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1391423		
64	60.8	52.1	78.1	
63	32.8	25.7	38.5	





#7

Phenol-d6

Concen: 135.26 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF086402.D

Acq: 23 Apr 2016 20:52

Instrument :

BNA_F

ClientSampleId :

WPG-B9(5-9)-C

Tot Ion: 99 Resp: 2035145

Ion Ratio Lower Upper

99 100

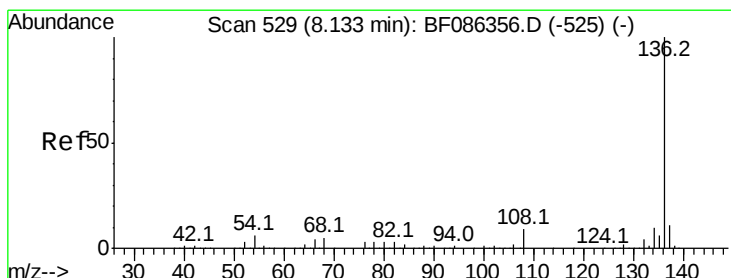
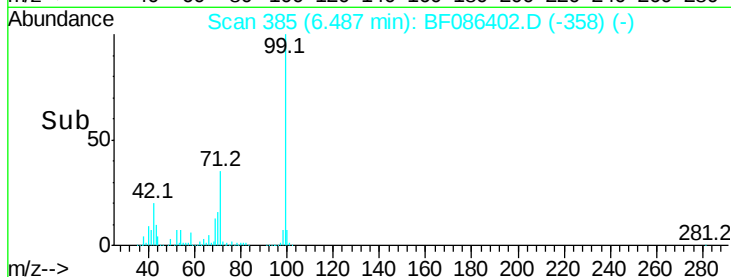
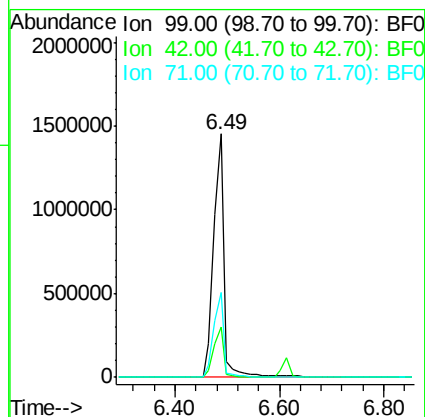
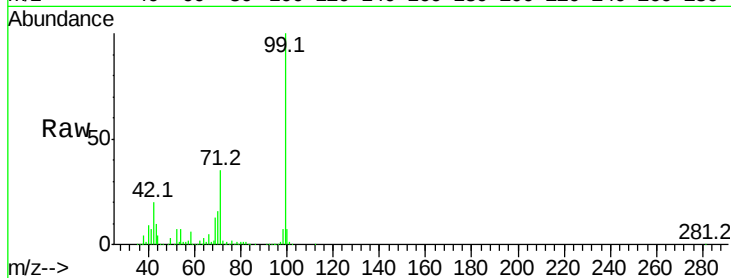
42 20.4 13.6 20.4#

71 35.0 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: BF086402.D

Acq: 23 Apr 2016 20:52

Tgt Ion: 136 Resp: 749872

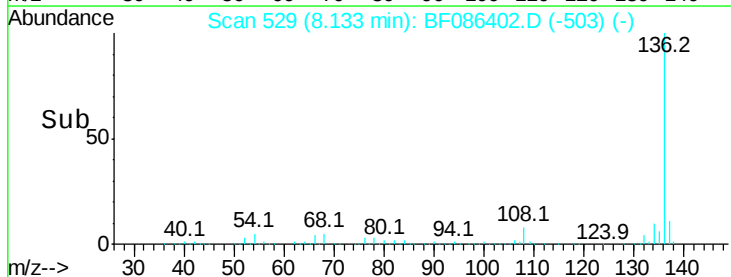
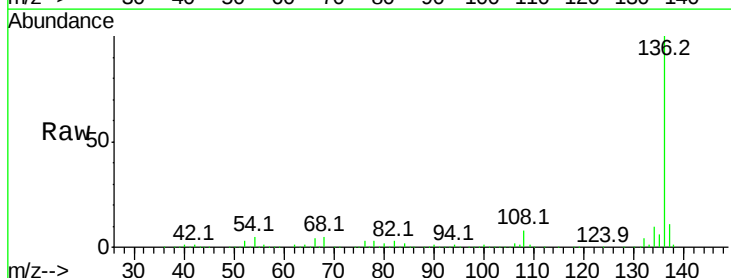
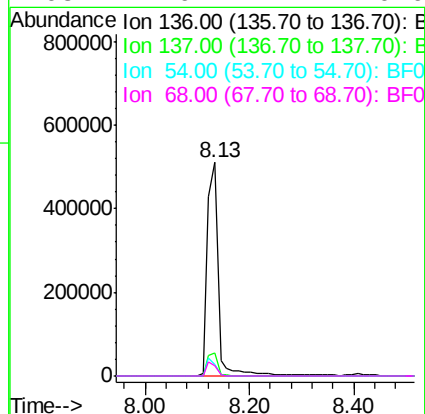
Ion Ratio Lower Upper

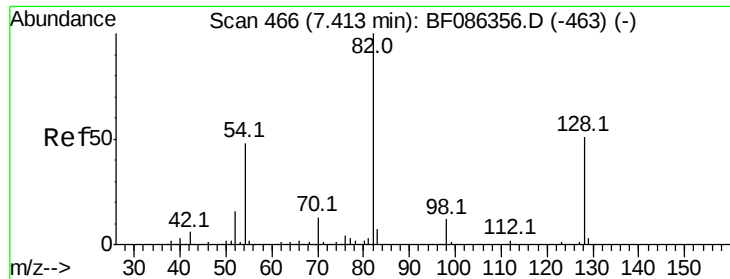
136 100

137 10.6 8.8 13.2

54 5.3 5.0 7.4

68 4.6 4.4 6.6





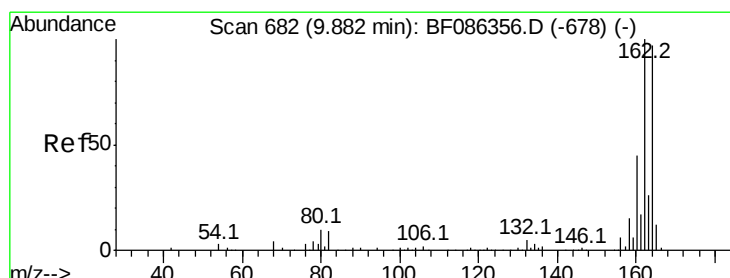
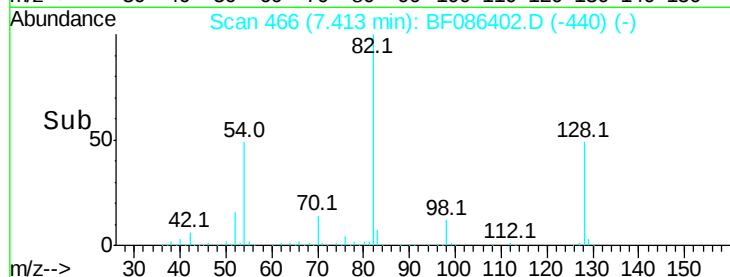
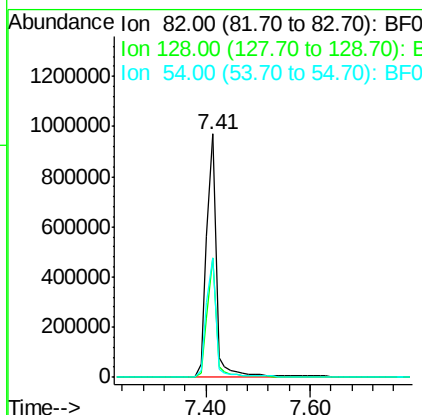
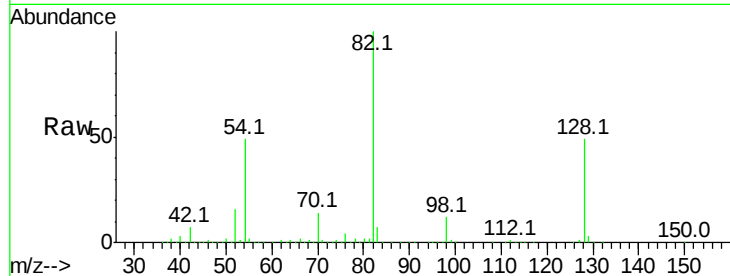
#23
 Nitrobenzene-d5
 Concen: 102.06 ng
 RT: 7.41 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: BF086402.D
 Acq: 23 Apr 2016 20:52

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B9(5-9)-C

Tot Ion	82	Resp	1291942
Ion Ratio	100	Lower	Upper
128	48.9	40.6	61.0
54	49.0	38.1	57.1

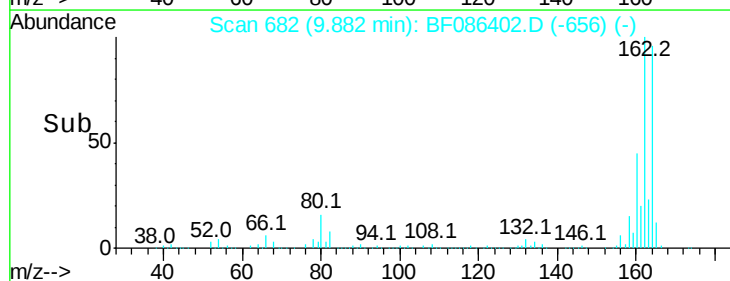
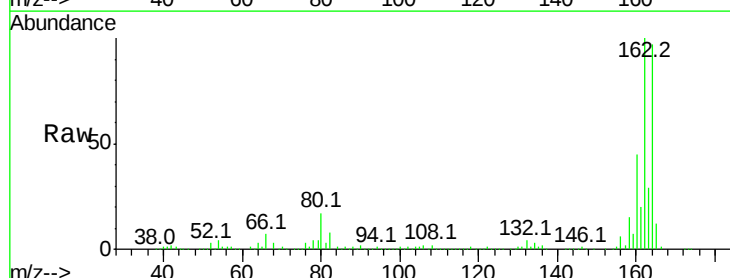
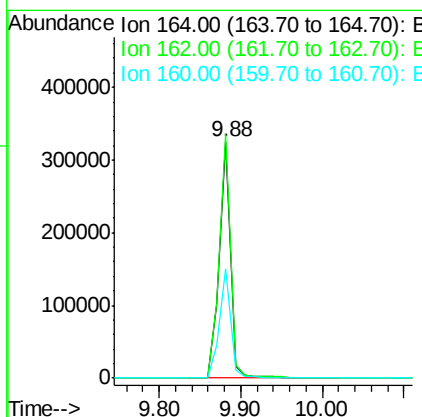
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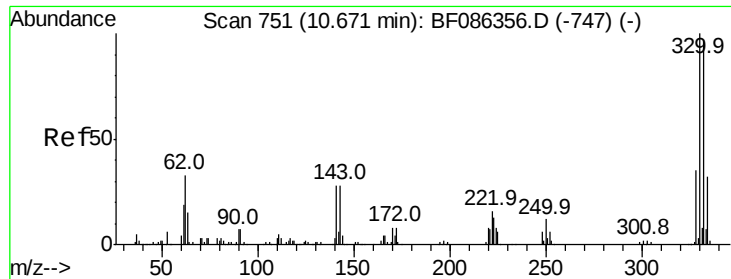
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.00 min
 Lab File: BF086402.D
 Acq: 23 Apr 2016 20:52

Tgt Ion	164	Resp	316356
Ion Ratio	100	Lower	Upper
162	103.2	82.8	124.2
160	46.4	36.9	55.3





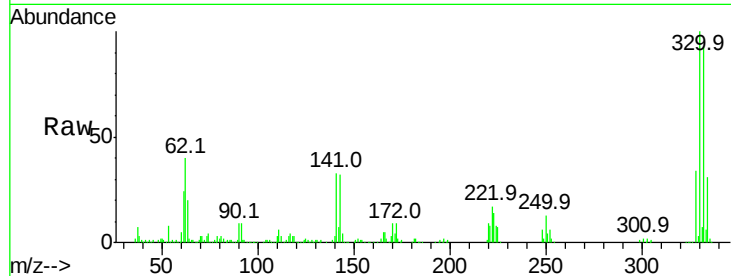
#41
 2,4,6-Tribromophenol
 Concen: 114.50 ng
 RT: 10.67 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF086402.D
 Acq: 23 Apr 2016 20:52

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B9(5-9)-C

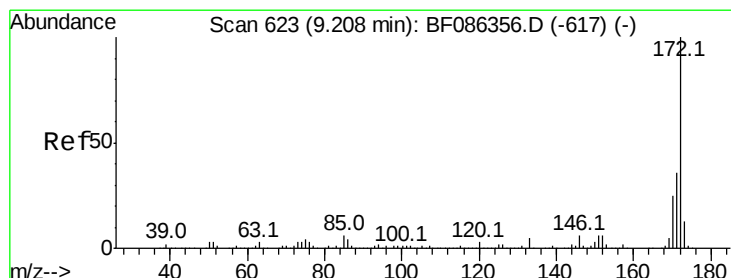
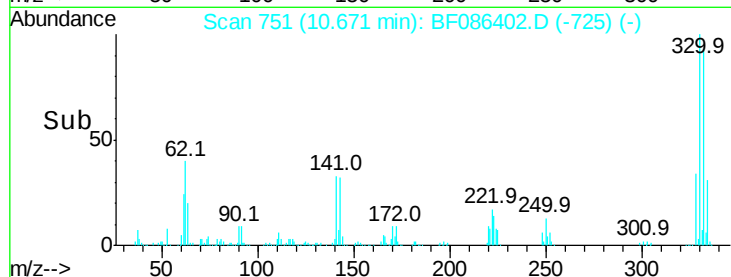
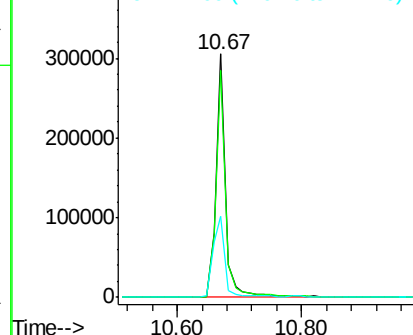
Tot Ion	Ratio	Resp	Lower	Upper
330	100	327906		
332	95.5	79.0	118.4	
141	41.2	31.2	46.8	

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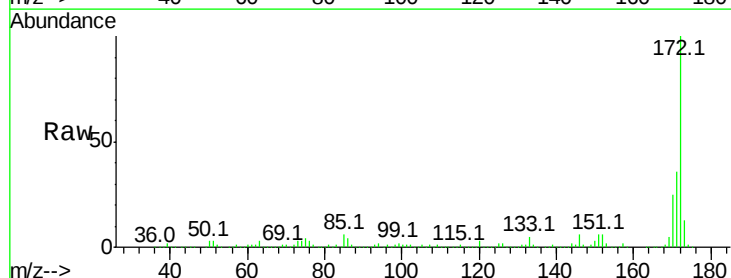


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

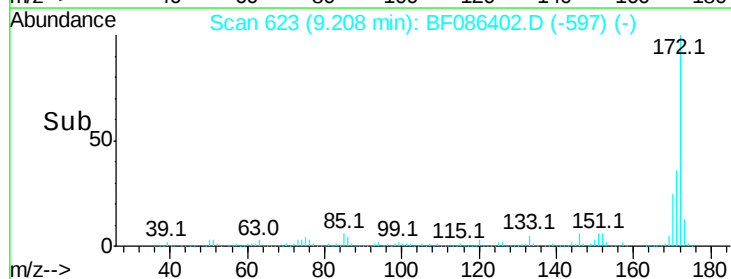
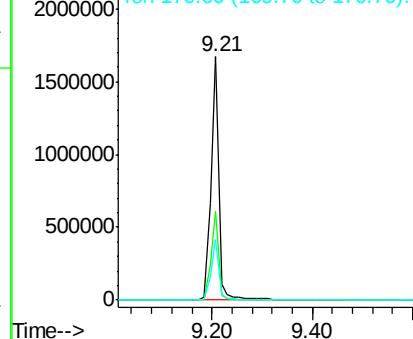


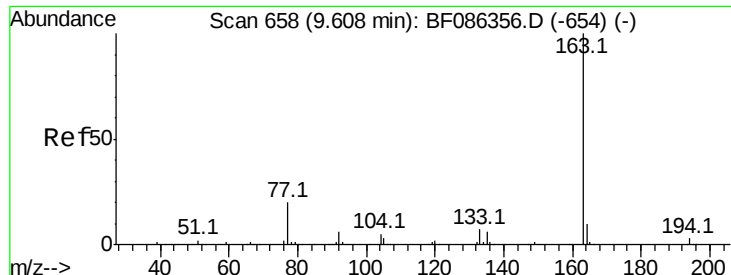
#44
 2-Fluorobiphenyl
 Concen: 98.34 ng
 RT: 9.21 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF086402.D
 Acq: 23 Apr 2016 20:52

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1823090		
171	36.5	29.0	43.6	
170	24.7	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





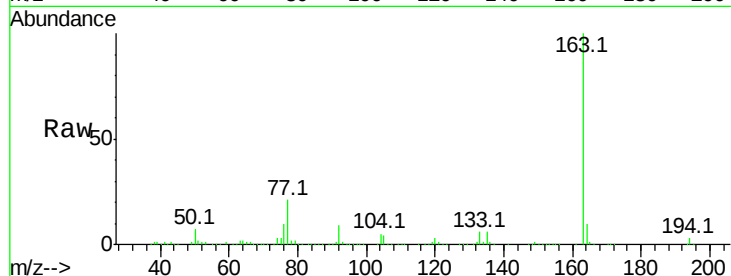
#49
Dimethylphthalate
Concen: 13.39 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF086402.D
Acq: 23 Apr 2016 20:52

Instrument :
BNA_F
ClientSampleId :
WPG-B9(5-9)-C

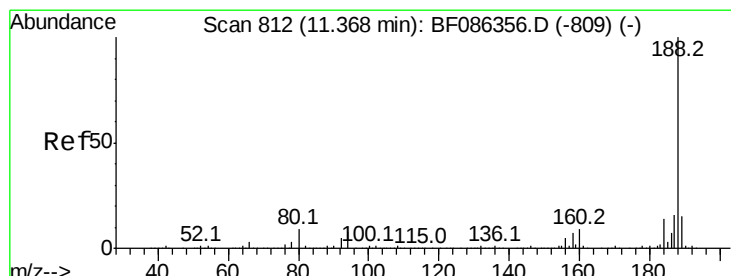
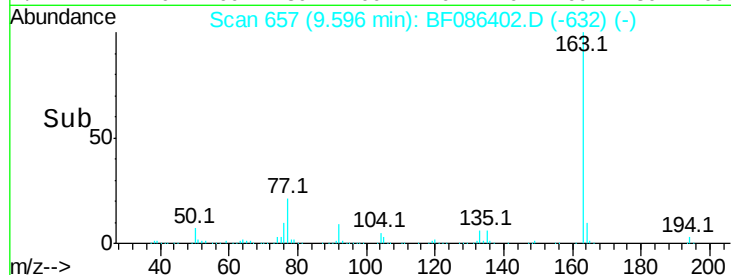
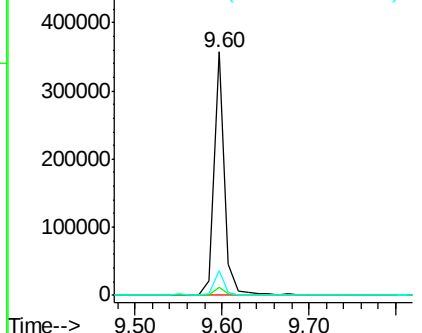
Tot Ion:	163	Resp:	306104
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.6	4.0
164	10.3	8.2	12.4

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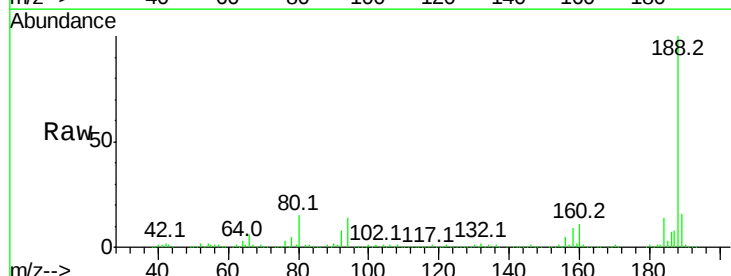


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

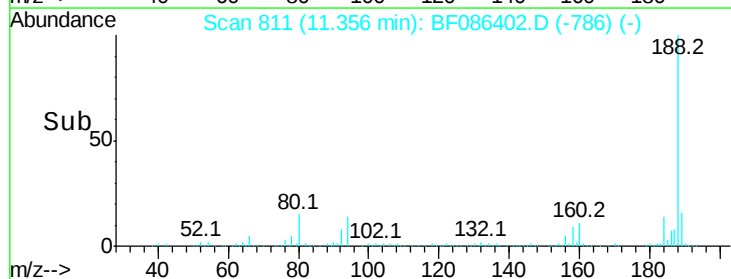
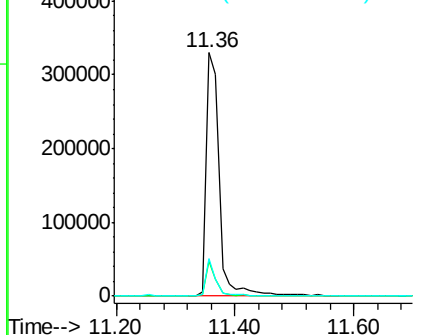


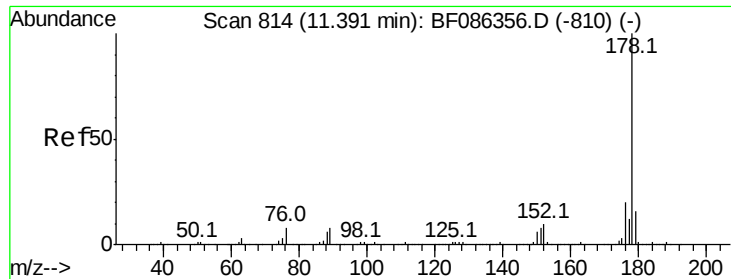
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF086402.D
Acq: 23 Apr 2016 20:52

Tgt Ion:	188	Resp:	510666
Ion Ratio	Lower	Upper	
188	100		
94	14.1	6.8	10.2#
80	15.3	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





#70

Phenanthrene

Concen: 11.24 ng

RT: 11.39 min Scan# 814

Delta R.T. 0.00 min

Lab File: BF086402.D

Acq: 23 Apr 2016 20:52

Instrument :

BNA_F

ClientSampleId :

WPG-B9(5-9)-C

Tot Ion:178 Resp: 288460

Ion Ratio Lower Upper

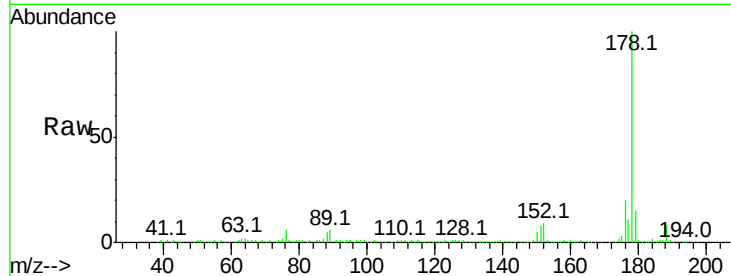
178 100

176 19.7 16.0 24.0

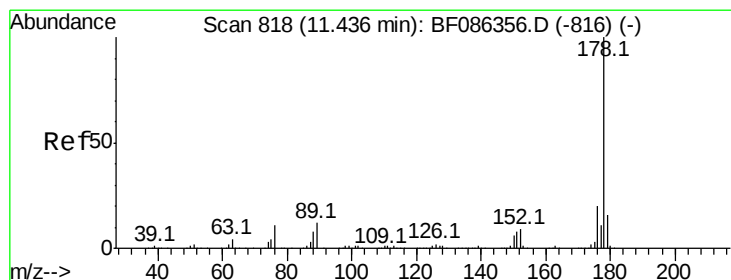
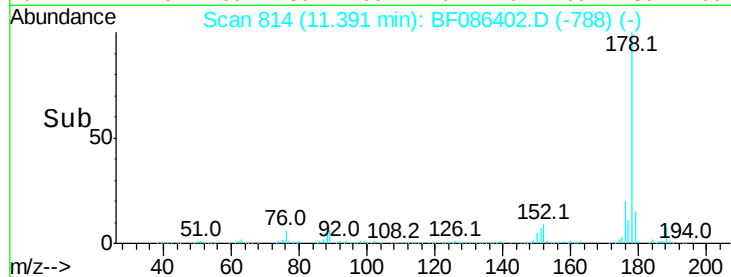
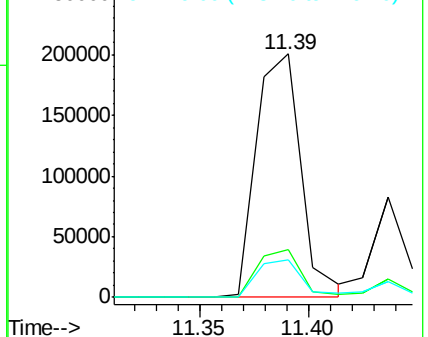
179 15.2 12.6 18.8

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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: 3.54 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086402.D

Acq: 23 Apr 2016 20:52

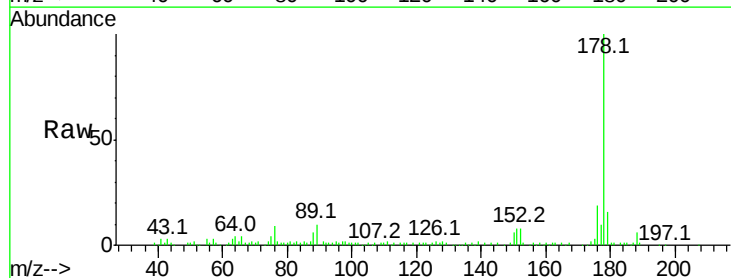
Tgt Ion:178 Resp: 103934

Ion Ratio Lower Upper

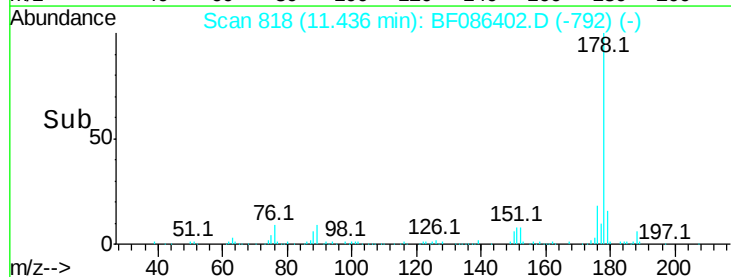
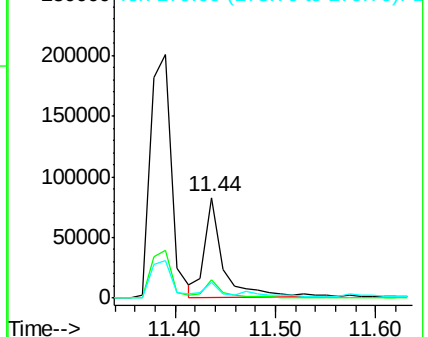
178 100

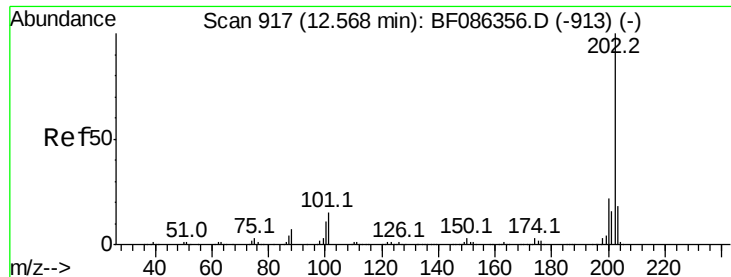
176 18.7 15.6 23.4

179 16.0 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: 16.70 ng

RT: 12.58 min Scan# 918

Delta R.T. 0.01 min

Lab File: BF086402.D

Acq: 23 Apr 2016 20:52

Instrument :

BNA_F

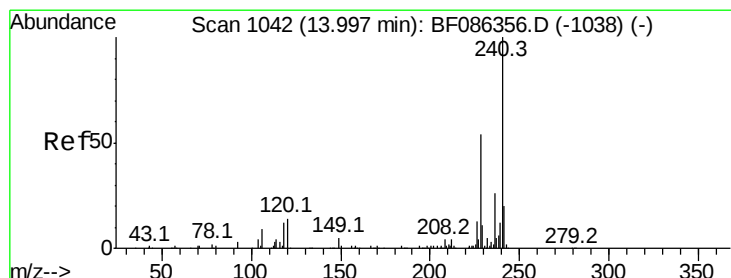
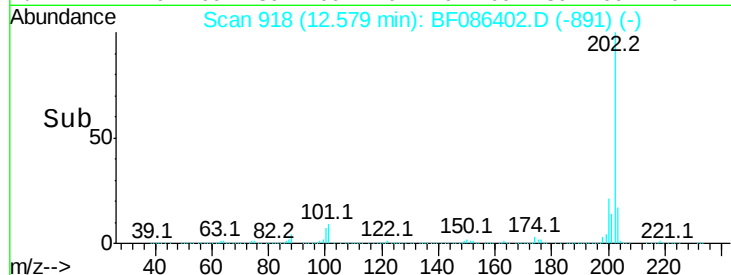
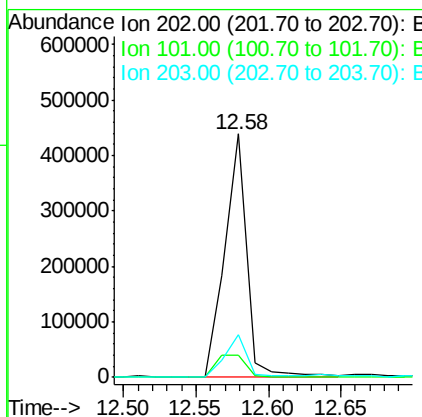
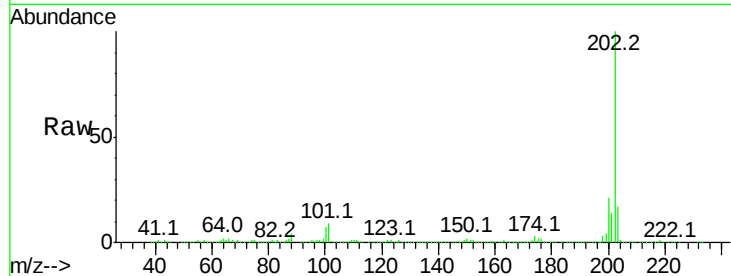
ClientSampleId :

WPG-B9(5-9)-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.0	0.0	35.4
203	17.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

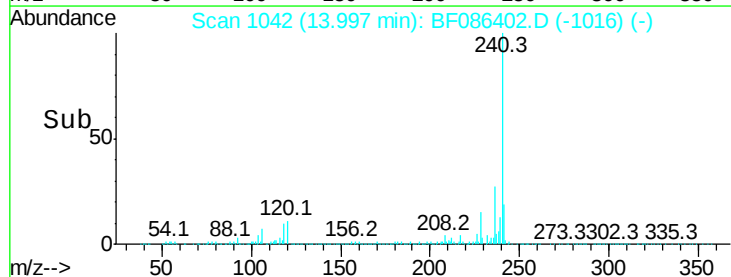
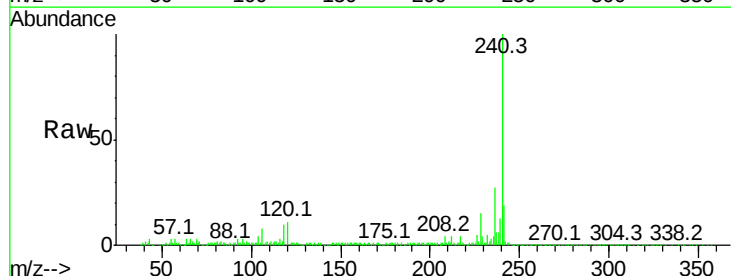
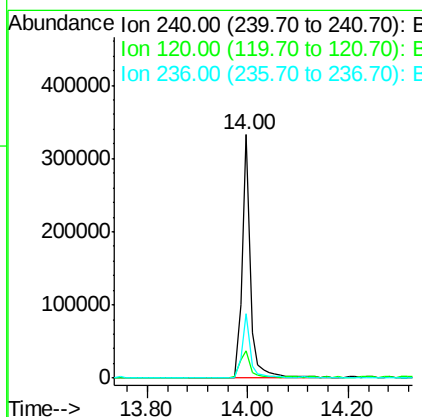
RT: 14.00 min Scan# 1042

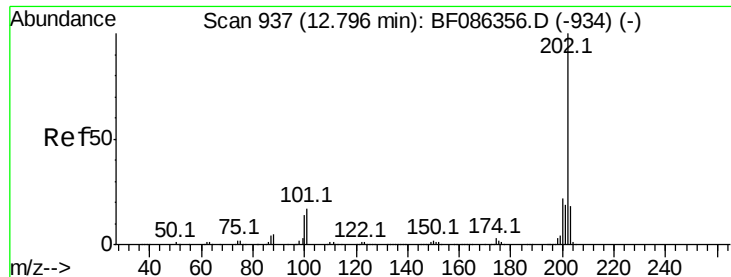
Delta R.T. 0.00 min

Lab File: BF086402.D

Acq: 23 Apr 2016 20:52

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.3	11.2	16.8
236	26.7	21.2	31.8





#77

Pvrene

Concen: 15.39 ng

RT: 12.80 min Scan# 937

Delta R.T. 0.00 min

Lab File: BF086402.D

Acq: 23 Apr 2016 20:52

Instrument :

BNA_F

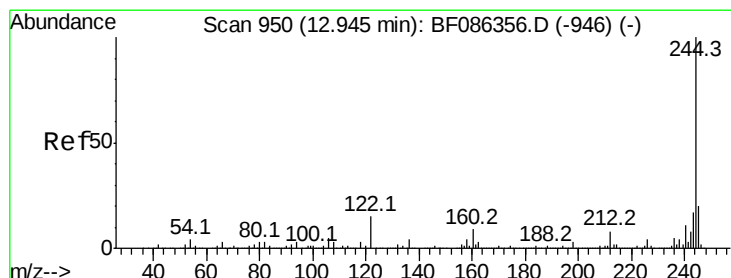
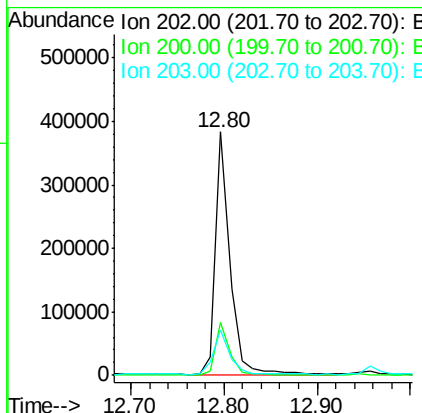
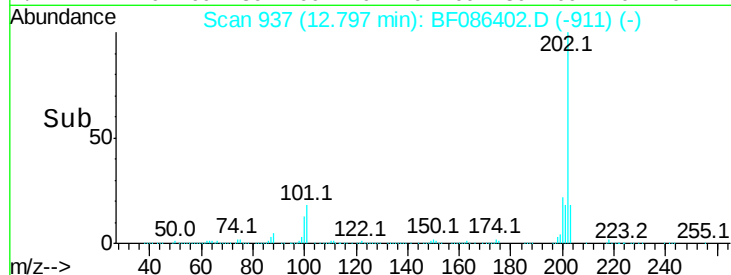
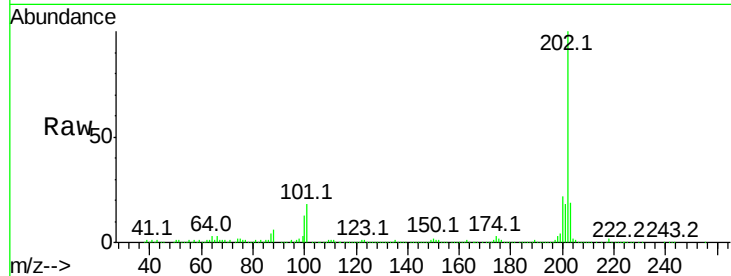
ClientSampleId :

WPG-B9(5-9)-C

Tot Ion:	202	Resp:	409051
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.7	26.5
203	18.6	14.2	21.4

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#78

Terphenyl-d14

Concen: 86.53 ng

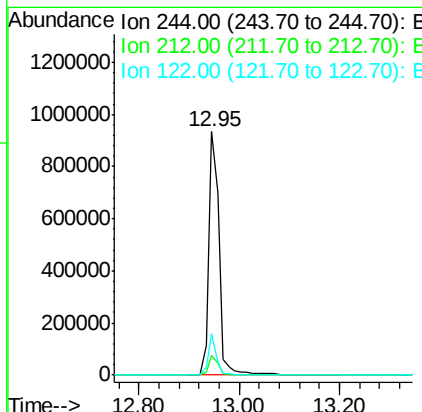
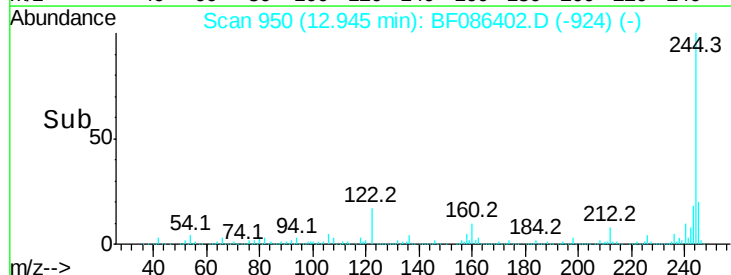
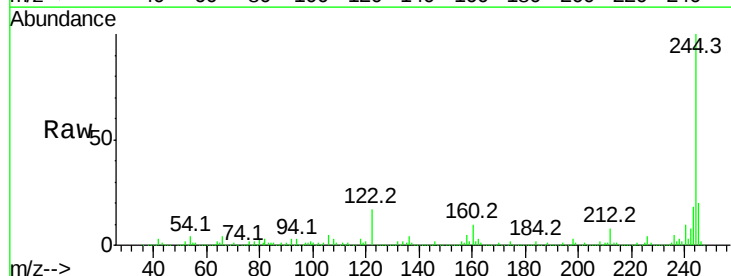
RT: 12.95 min Scan# 950

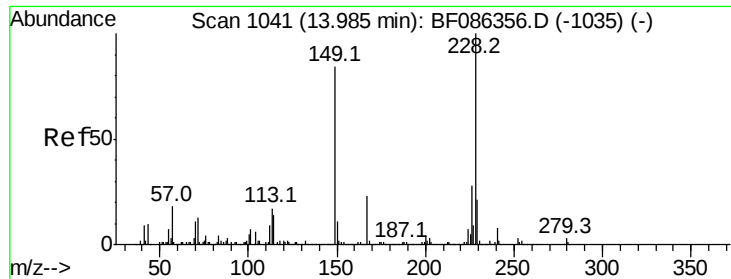
Delta R.T. 0.00 min

Lab File: BF086402.D

Acq: 23 Apr 2016 20:52

Tgt Ion:	244	Resp:	1326910
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.2	9.2
122	16.8	12.0	18.0





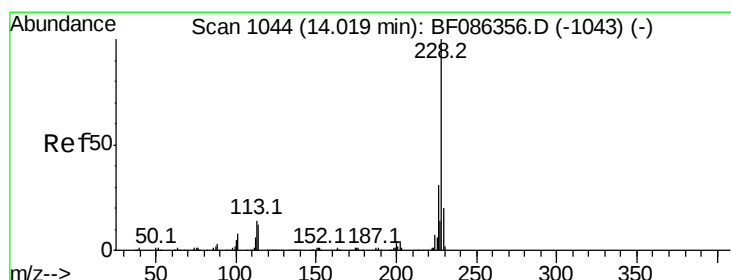
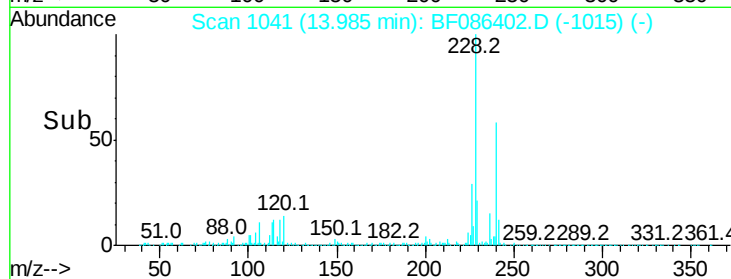
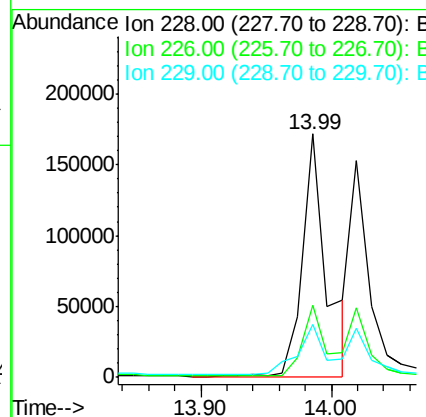
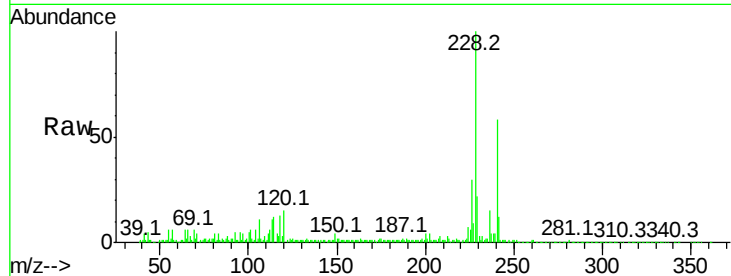
#80
Benzo(a)anthracene
Concen: 11.15 ng
RT: 13.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF086402.D
Acq: 23 Apr 2016 20:52

Instrument :
BNA_F
ClientSampleId :
WPG-B9(5-9)-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.5	33.7
229	21.8	16.6	25.0

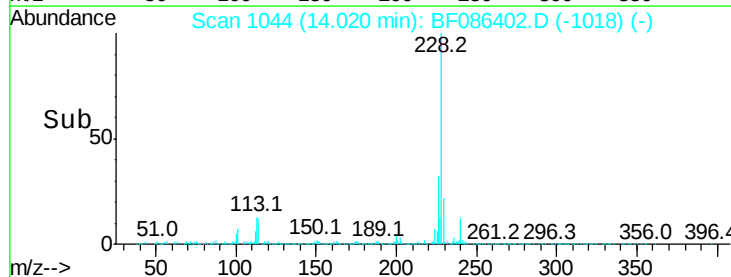
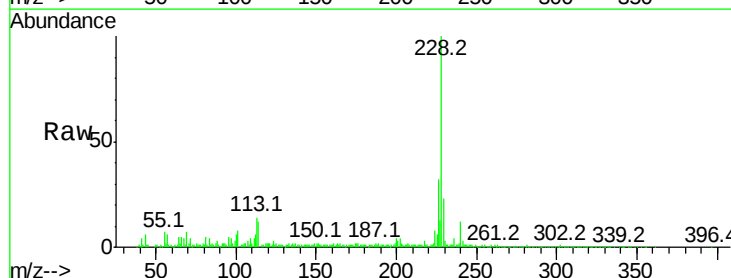
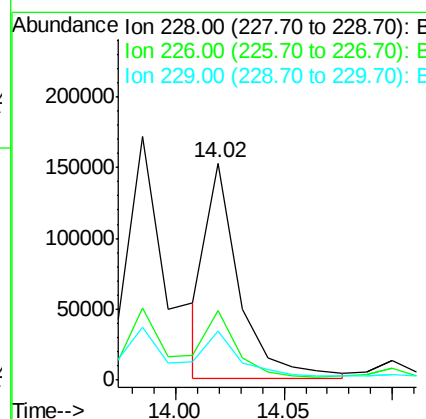
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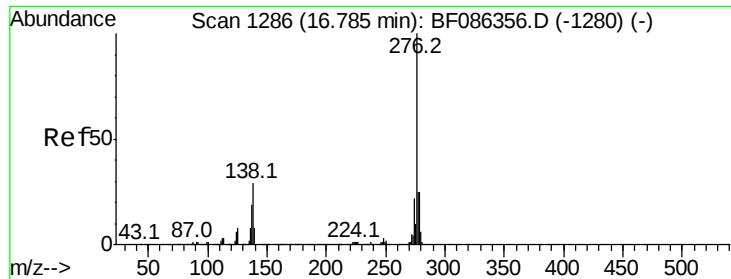
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#82
Chrysene
Concen: 7.18 ng
RT: 14.02 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF086402.D
Acq: 23 Apr 2016 20:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.4	36.6
229	22.9	15.8	23.8





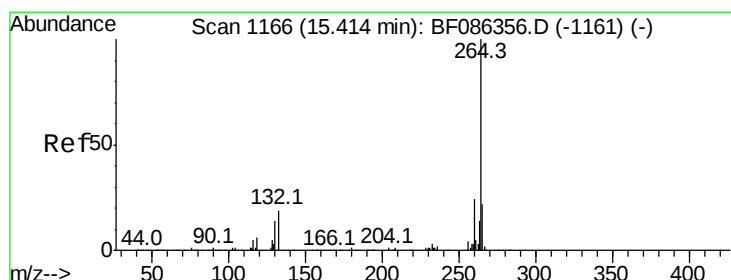
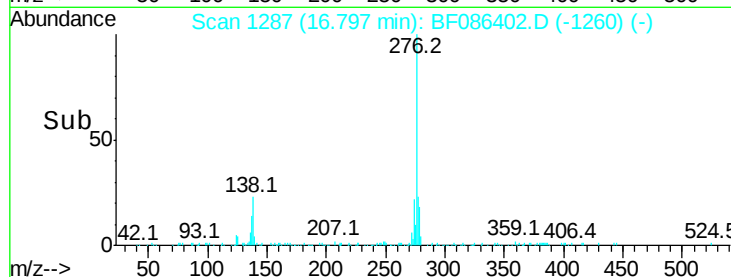
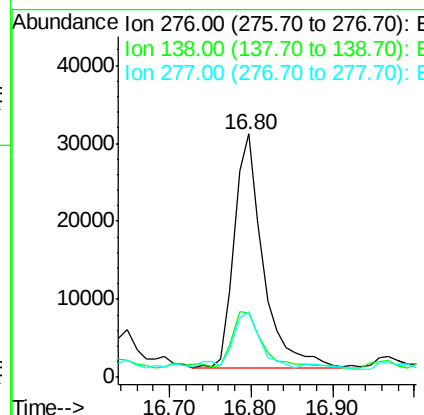
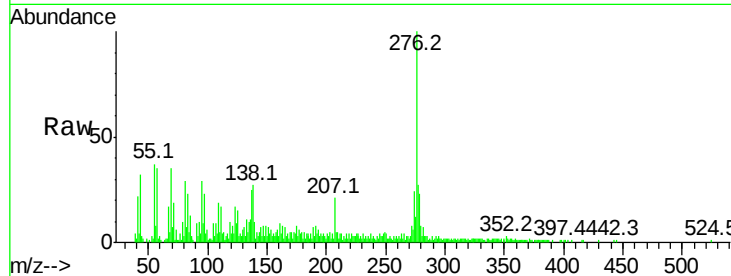
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.72 ng
 RT: 16.80 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: BF086402.D
 Acq: 23 Apr 2016 20:52

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B9(5-9)-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.4	25.6	38.4
277	24.8	20.5	30.7

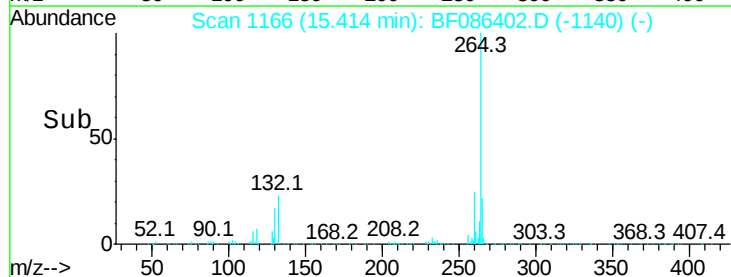
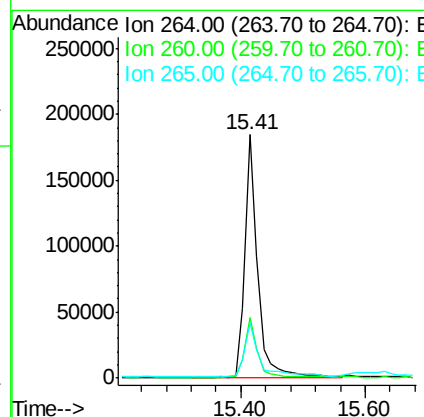
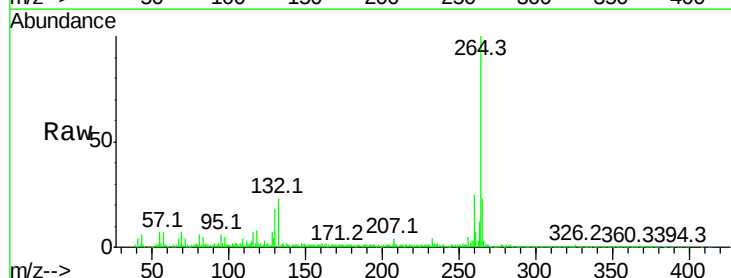
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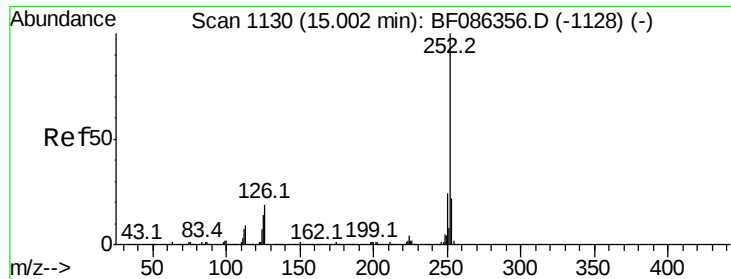
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: BF086402.D
 Acq: 23 Apr 2016 20:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.6	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 12.02 ng m

RT: 15.01 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BF086402.D

Acq: 23 Apr 2016 20:52

Instrument :

BNA_F

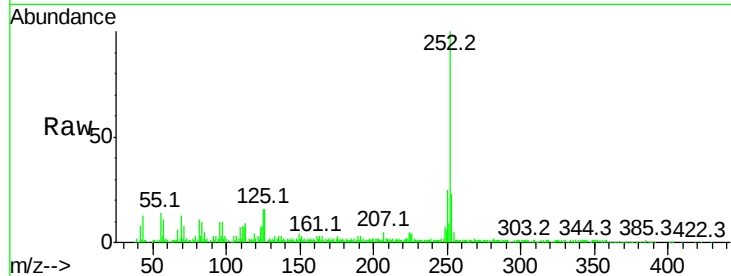
ClientSampleId :

WPG-B9(5-9)-C

Tot Ion:	252	Resp:	176046
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.6
125	16.2	11.4	17.0

Manual Integrations
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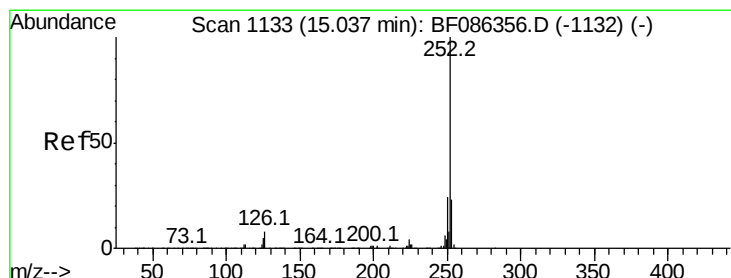
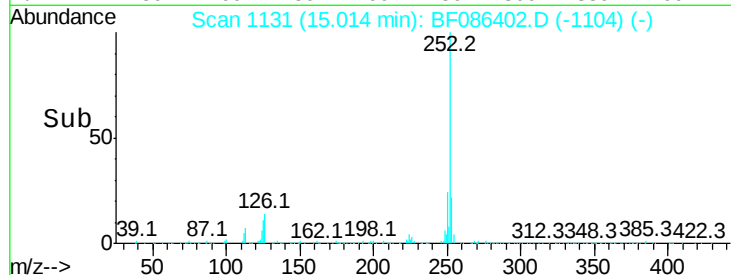
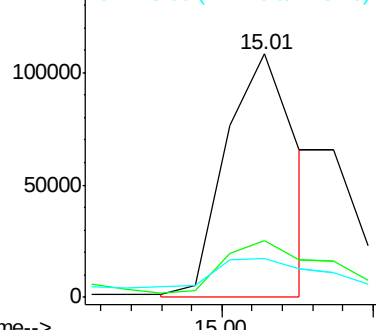


Abundance

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: 5.19 ng m

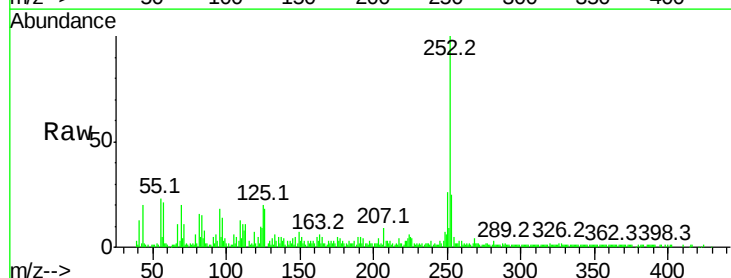
RT: 15.03 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BF086402.D

Acq: 23 Apr 2016 20:52

Tgt Ion:	252	Resp:	74607
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.8	26.6
125	19.5	9.1	13.7#

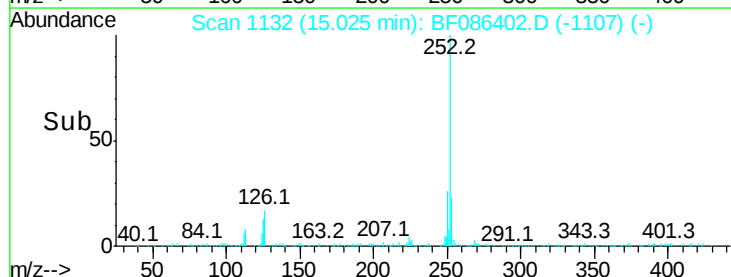
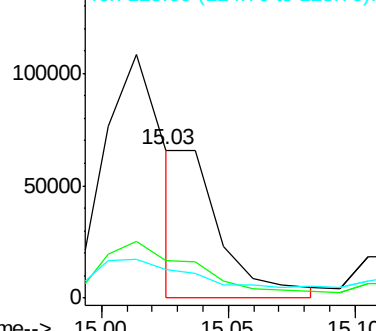


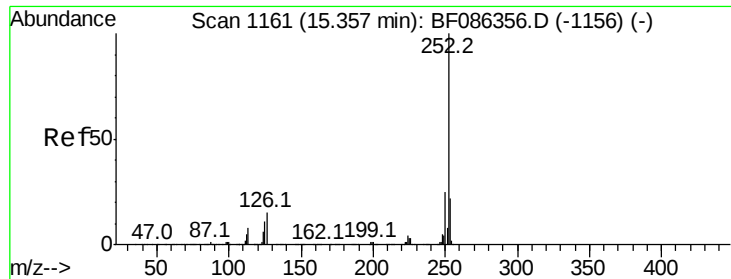
Abundance

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: 9.07 ng

RT: 15.36 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF086402.D

Acq: 23 Apr 2016 20:52

Instrument :

BNA_F

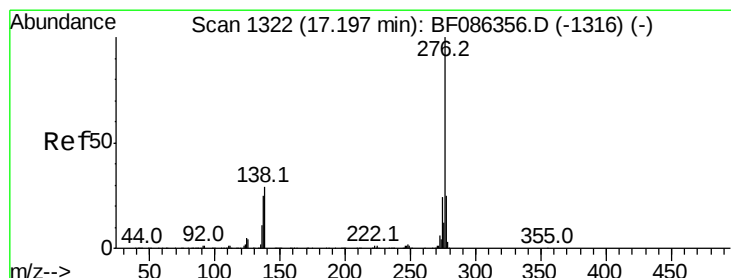
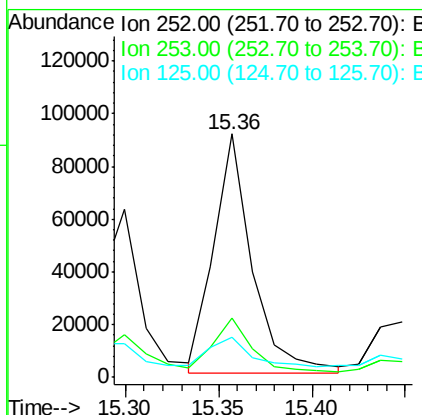
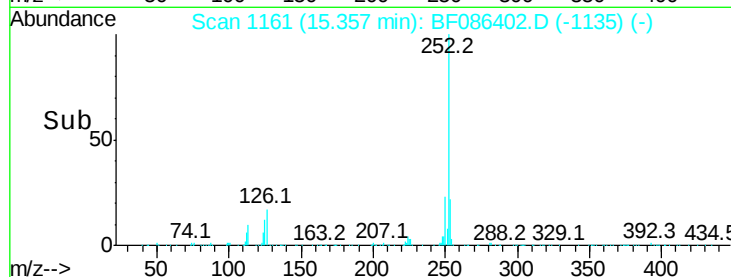
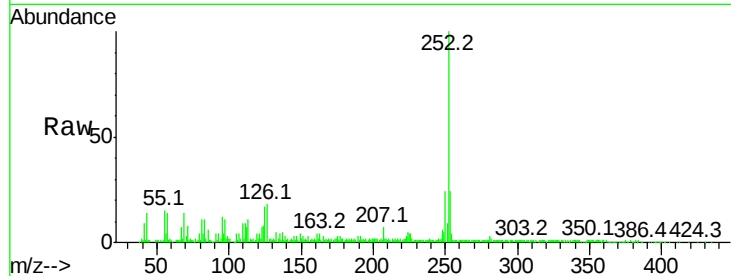
ClientSampleId :

WPG-B9(5-9)-C

Tot Ion:	252	Resp:	131065
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.2	25.8
125	16.7	9.0	13.6

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 5.82 ng

RT: 17.21 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BF086402.D

Acq: 23 Apr 2016 20:52

Tgt Ion:	276	Resp:	71579
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.6	29.4
138	29.6	23.6	35.4

