

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
 Data File : BF086407.D
 Acq On : 23 Apr 2016 23:16
 Operator : UM/SJ
 Sample : H2652-07
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B15(0-5)-C

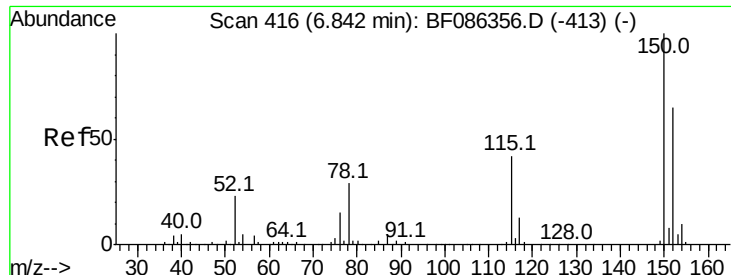
Manual Integrations
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Quant Time: Apr 25 12:02:57 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 23 00:24:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	167003	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	647906	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	282050	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	443980	20.00	ng	0.00
75) Chrysene-d12	14.01	240	298032	20.00	ng	0.01
86) Perylene-d12	15.43	264	250228	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1039218	107.46	ng	0.02
7) Phenol-d6	6.48	99	1281295	97.46	ng	0.00
23) Nitrobenzene-d5	7.41	82	765425	69.98	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	218987	85.77	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1259023	76.17	ng	0.00
78) Terphenyl-d14	12.96	244	860017	71.70	ng	0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.74	152	142959	5.09	ng	100
49) Dimethylphthalate	9.60	163	247394	12.14	ng	98
51) Acenaphthene	9.92	154	41270	2.39	ng	97
54) Dibenzofuran	10.09	168	68840	3.11	ng	# 94
57) Fluorene	10.43	166	143384	7.90	ng	99
70) Phenanthrene	11.39	178	1163433	52.15	ng	99
71) Anthracene	11.44	178	458967	17.96	ng	99
72) Carbazole	11.60	167	74872	3.12	ng	# 89
74) Fluoranthene	12.59	202	1661039	69.04	ng	98
77) Pyrene	12.81	202	1405503	67.62	ng	98
80) Benzo(a)anthracene	14.00	228	691715m	44.71	ng	
82) Chrysene	14.03	228	663298m	38.05	ng	
85) Indeno(1,2,3-cd)pyrene	16.81	276	264978	17.10	ng	# 91
87) Benzo(b)fluoranthene	15.03	252	644332m	46.91	ng	
88) Benzo(k)fluoranthene	15.04	252	236233m	17.52	ng	
89) Benzo(a)pyrene	15.37	252	457826	33.79	ng	95
90) Dibenzo(a,h)anthracene	16.82	278	57880m	5.18	ng	
91) Benzo(g,h,i)perylene	17.22	276	230469	19.97	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.00 min

Lab File: BF086407.D

Acq: 23 Apr 2016 23:16

Instrument :

BNA_F

ClientSampleId :

WPG-B15(0-5)-C

Tot Ion:152 Resp: 167003

Ion Ratio Lower Upper

152 100

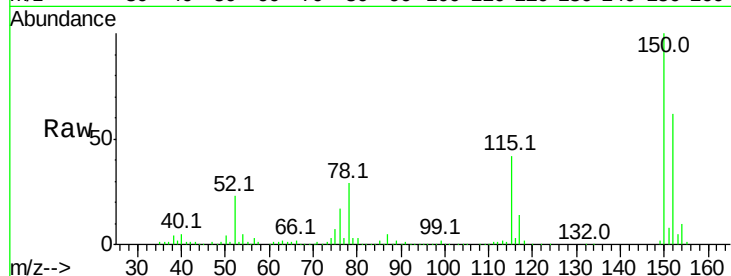
150 160.1 125.8 188.6

115 66.7 51.5 77.3

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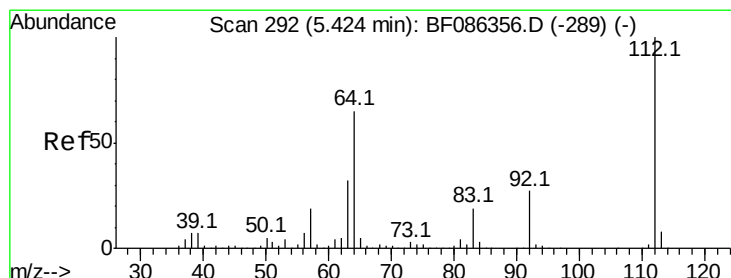
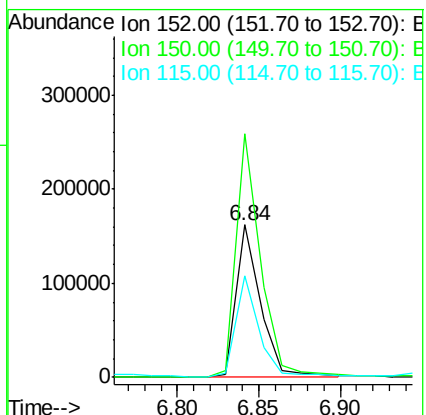
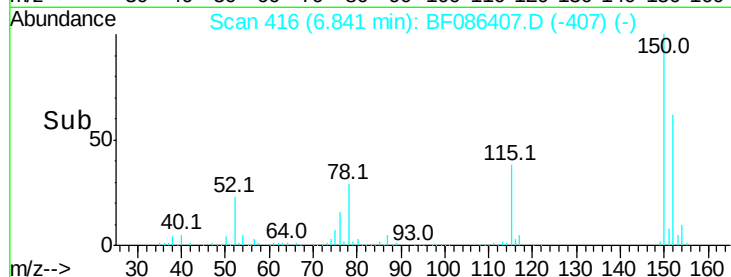
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 107.46 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.02 min

Lab File: BF086407.D

Acq: 23 Apr 2016 23:16

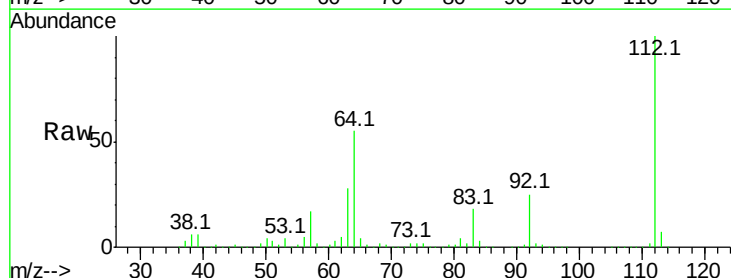
Tgt Ion:112 Resp: 1039218

Ion Ratio Lower Upper

112 100

64 55.0 52.1 78.1

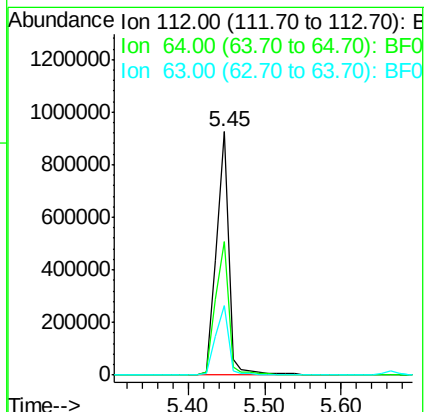
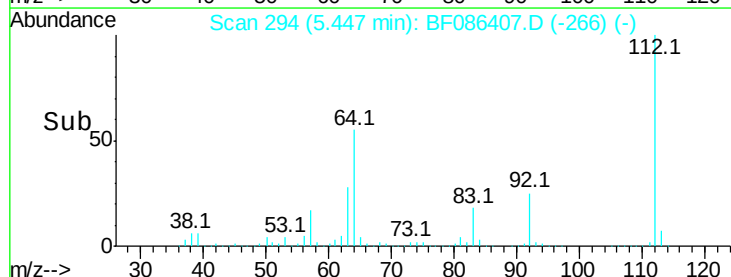
63 28.4 25.7 38.5

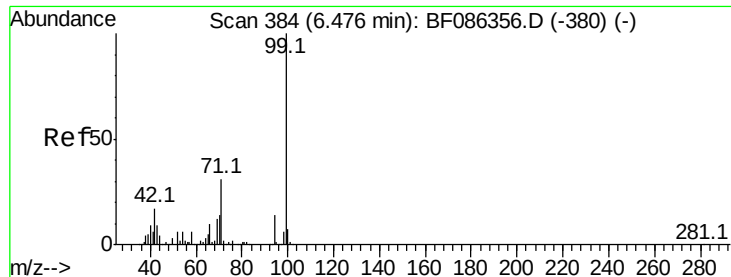


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.46 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF086407.D

Acq: 23 Apr 2016 23:16

Instrument :

BNA_F

ClientSampleId :

WPG-B15(0-5)-C

Tot Ion: 99 Resp: 1281295

Ion Ratio Lower Upper

99 100

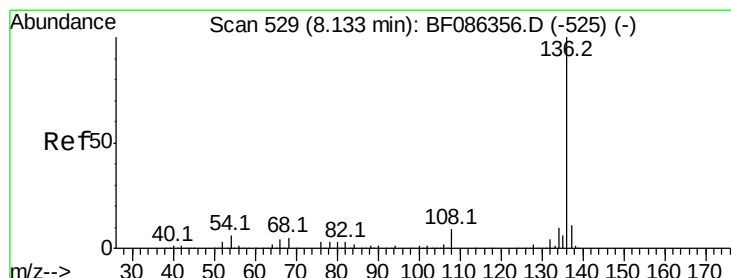
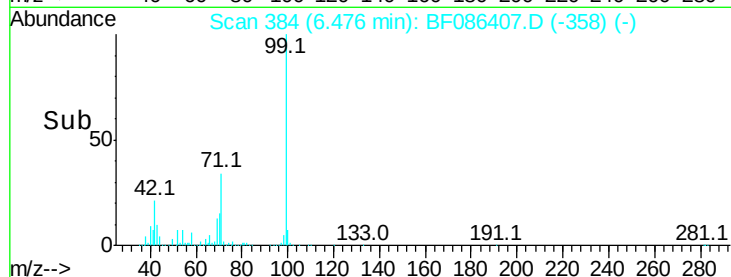
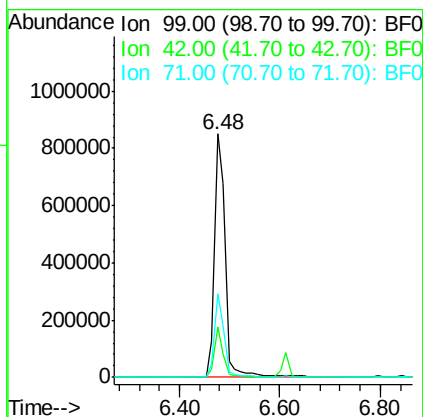
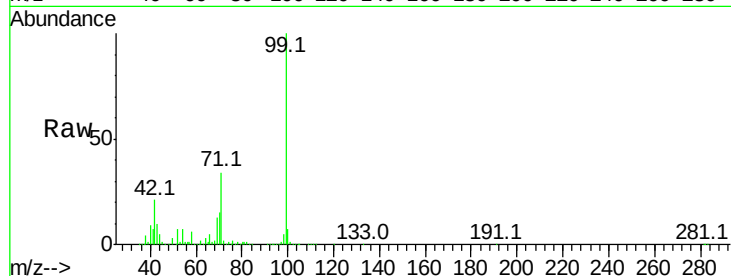
42 20.7 13.6 20.4#

71 34.2 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: BF086407.D

Acq: 23 Apr 2016 23:16

Tgt Ion: 136 Resp: 647906

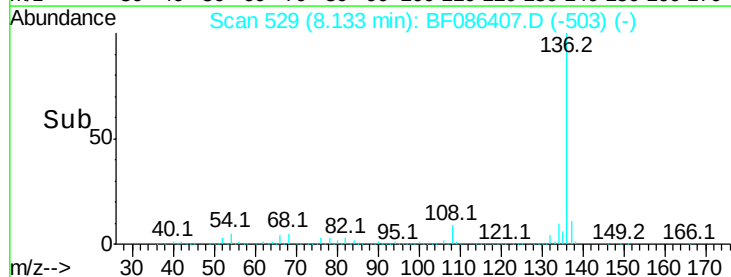
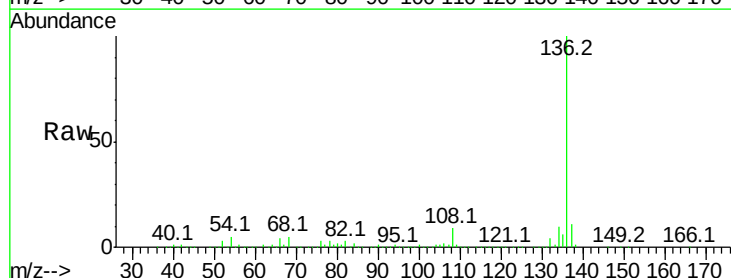
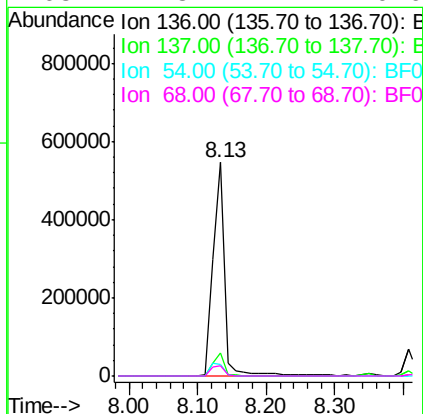
Ion Ratio Lower Upper

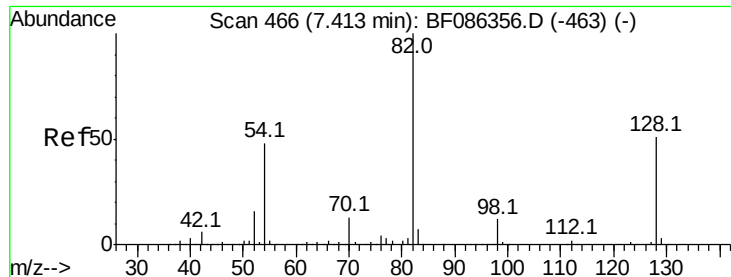
136 100

137 10.7 8.8 13.2

54 5.5 5.0 7.4

68 4.8 4.4 6.6





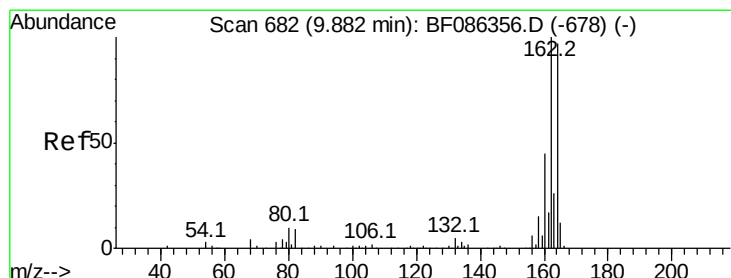
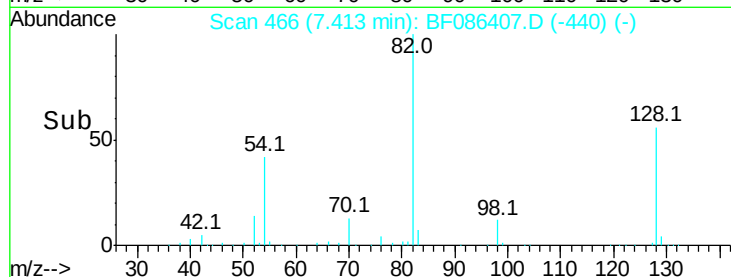
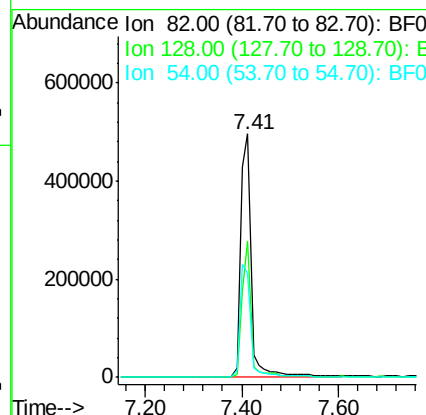
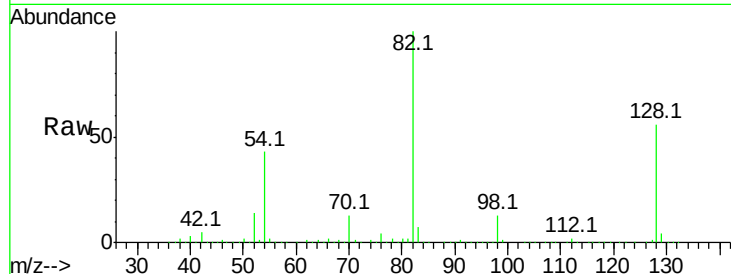
#23
 Nitrobenzene-d5
 Concen: 69.98 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: BF086407.D
 Acq: 23 Apr 2016 23:16

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B15(0-5)-C

Tot Ion	Ratio	Resp	Lower	Upper
82	100	765425		
128	55.6	40.6	61.0	
54	42.6	38.1	57.1	

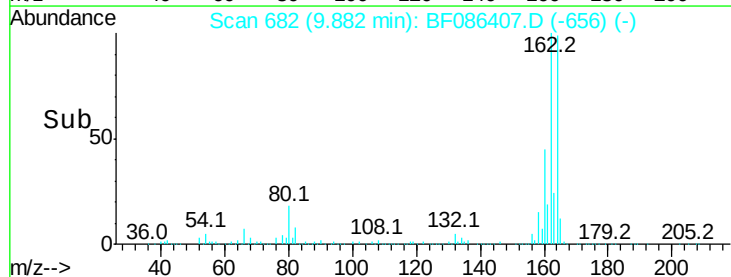
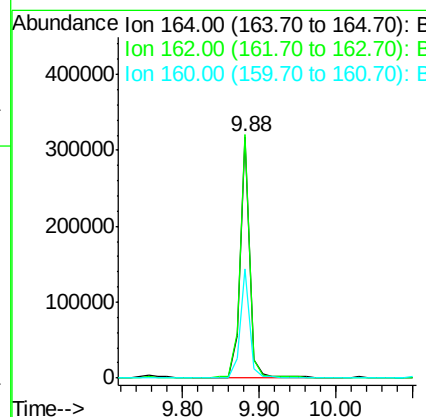
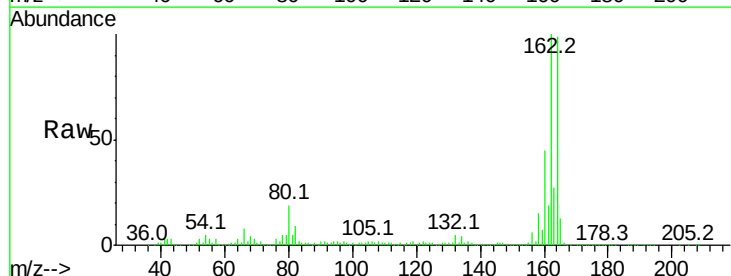
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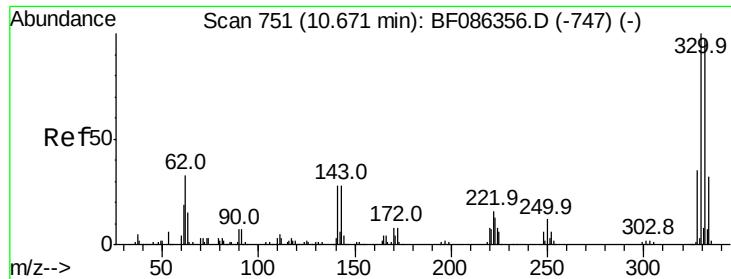
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: BF086407.D
 Acq: 23 Apr 2016 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	282050		
162	100.7	82.8	124.2	
160	45.1	36.9	55.3	





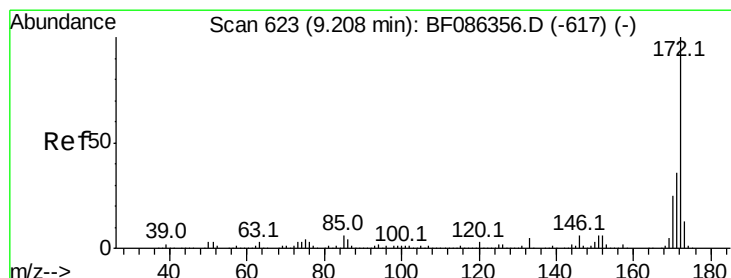
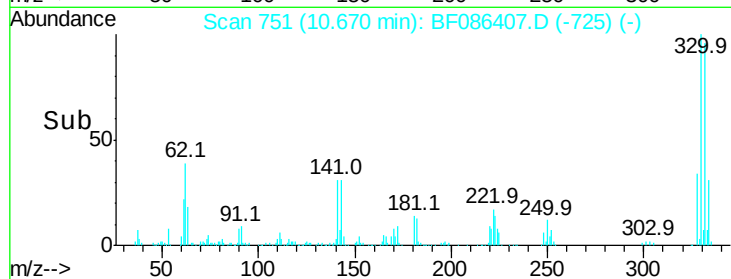
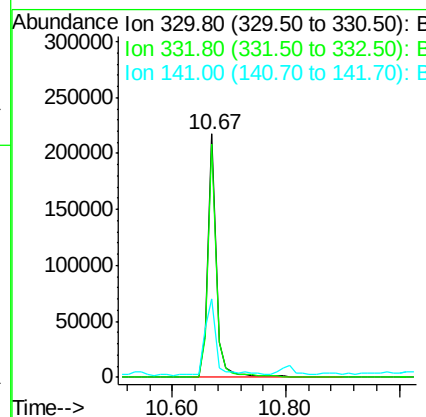
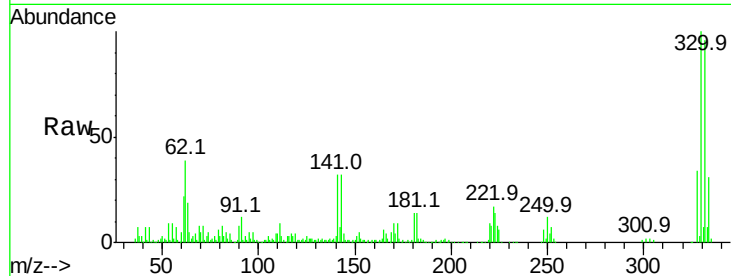
#41
 2,4,6-Tribromophenol
 Concen: 85.77 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF086407.D
 Acq: 23 Apr 2016 23:16

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B15(0-5)-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	218987		
332	96.3	79.0	118.4	
141	41.5	31.2	46.8	

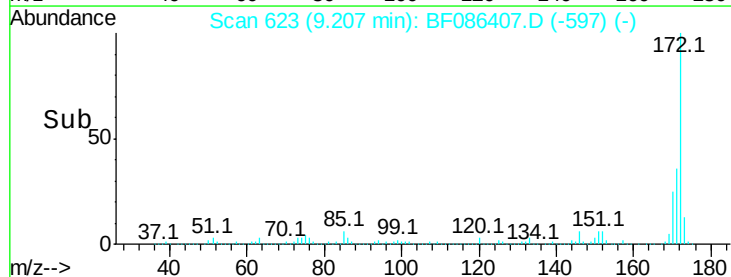
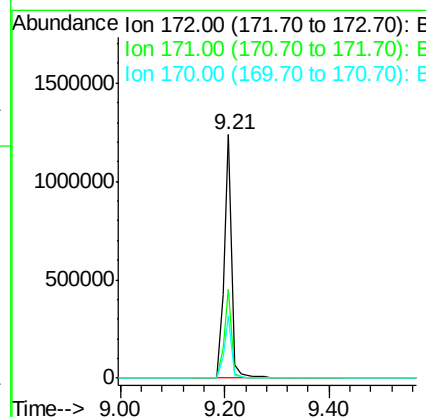
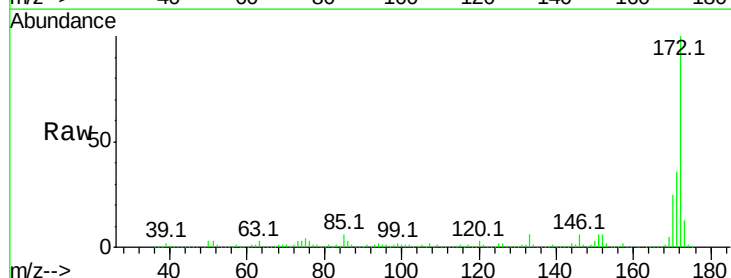
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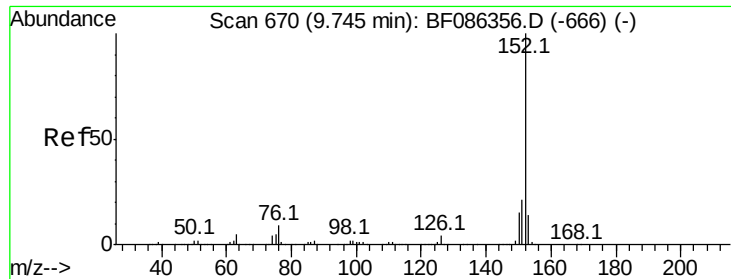
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#44
 2-Fluorobiphenyl
 Concen: 76.17 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086407.D
 Acq: 23 Apr 2016 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1259023		
171	36.5	29.0	43.6	
170	25.2	19.8	29.8	





#48

Acenaphthylene

Concen: 5.09 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.00 min

Lab File: BF086407.D

Acq: 23 Apr 2016 23:16

Instrument :

BNA_F

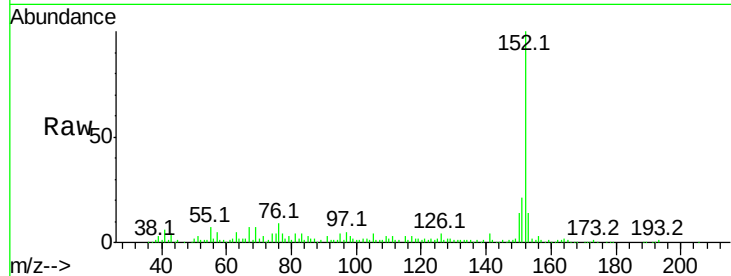
ClientSampleId :

WPG-B15(0-5)-C

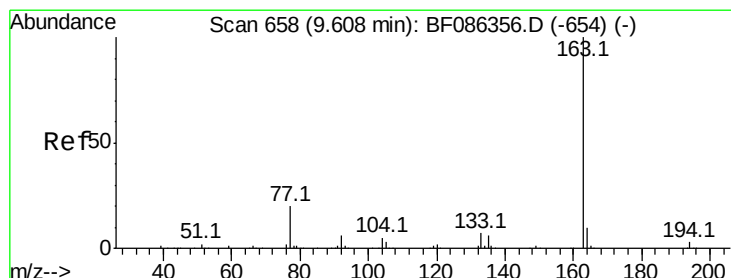
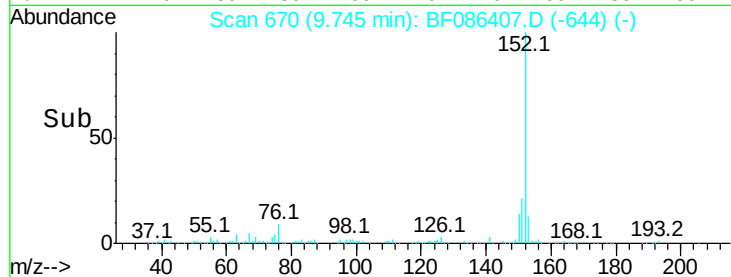
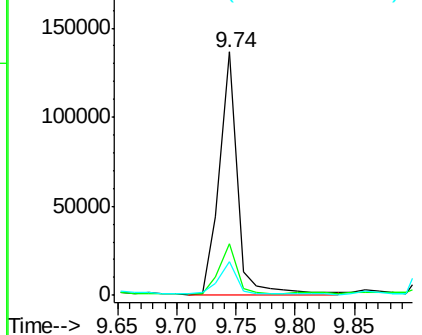
Tot Ion	Ratio	Resp	Lower	Upper
152	100	142959		
151	21.0		16.8	25.2
153	13.6		10.9	16.3

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 12.14 ng

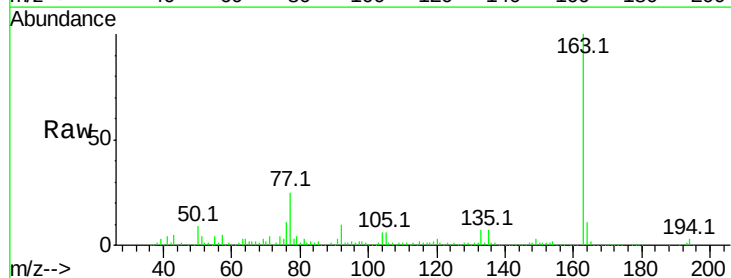
RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

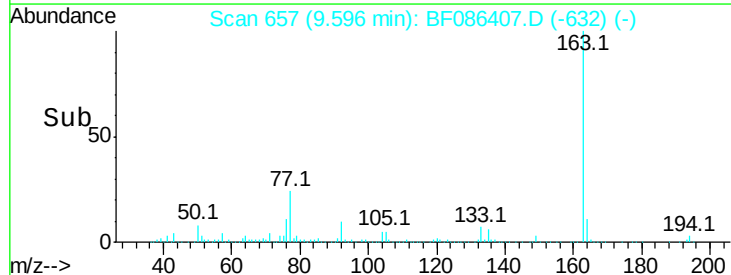
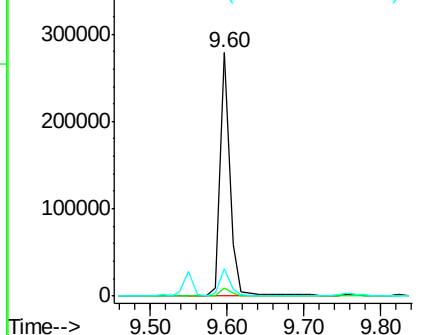
Lab File: BF086407.D

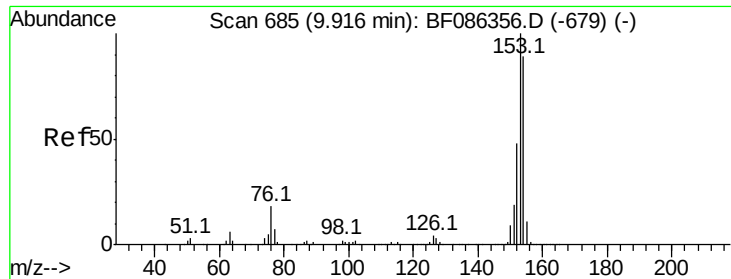
Acq: 23 Apr 2016 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	247394		
194	3.2		2.6	4.0
164	11.4		8.2	12.4



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





#51

Acenaphthene

Concen: 2.39 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF086407.D

Acq: 23 Apr 2016 23:16

Instrument :

BNA_F

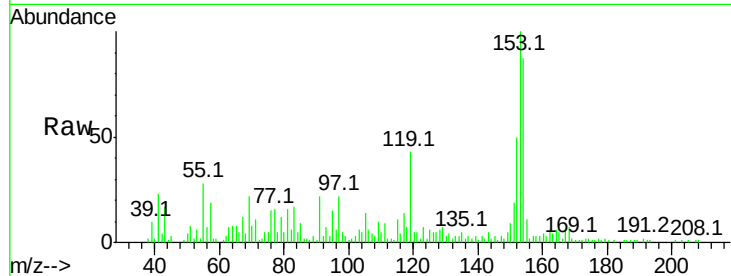
ClientSampleId :

WPG-B15(0-5)-C

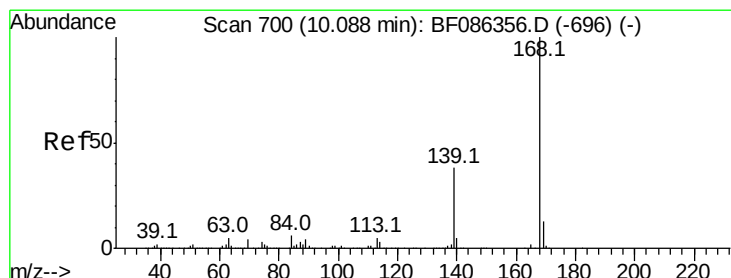
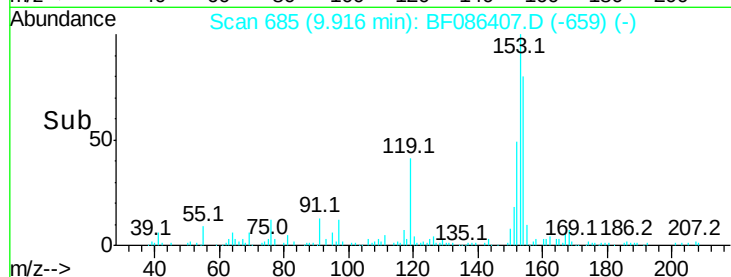
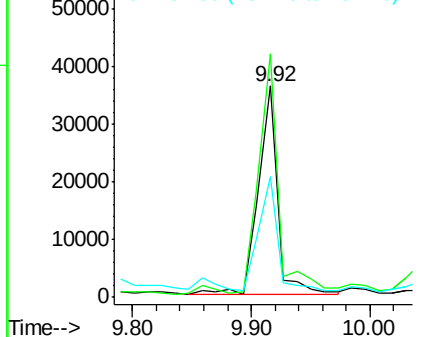
Tot Ion:	154	Resp:	41270
Ion Ratio	Lower	Upper	
154	100		
153	115.3	89.8	134.6
152	57.2	43.4	65.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.11 ng

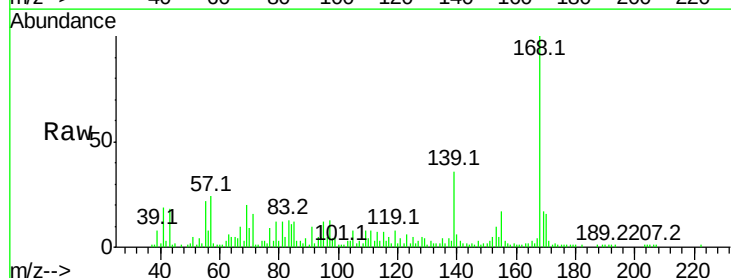
RT: 10.09 min Scan# 700

Delta R.T. -0.00 min

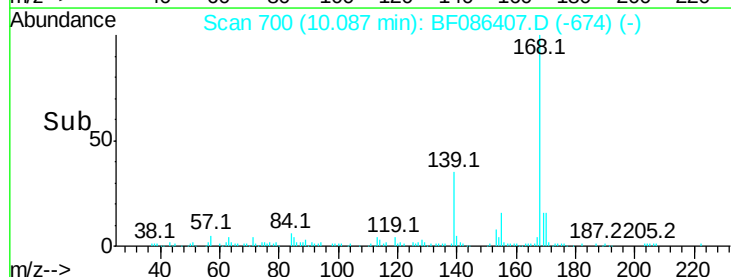
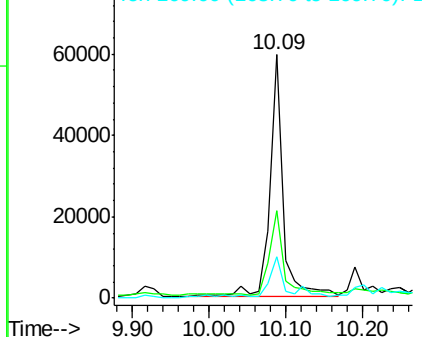
Lab File: BF086407.D

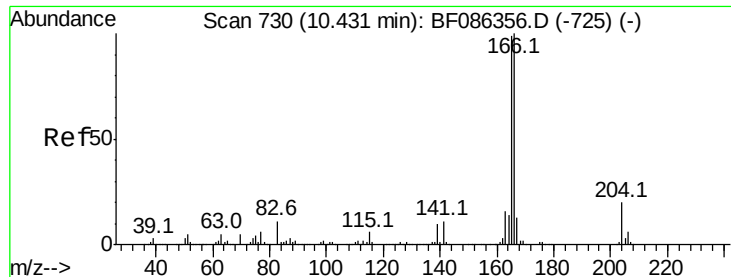
Acq: 23 Apr 2016 23:16

Tgt Ion:	168	Resp:	68840
Ion Ratio	Lower	Upper	
168	100		
139	36.0	31.4	47.0
169	17.2	10.7	16.1#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





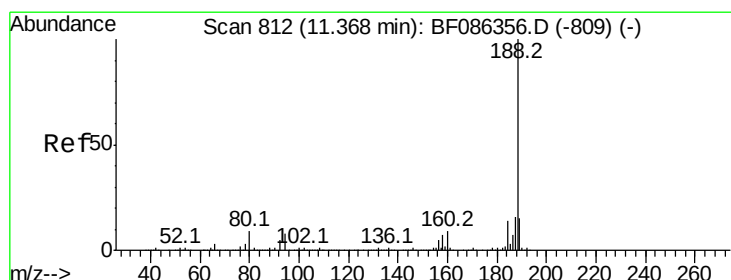
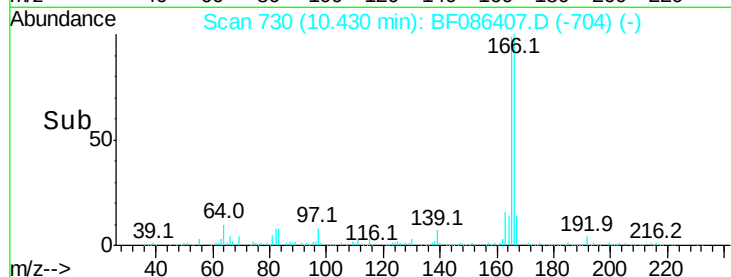
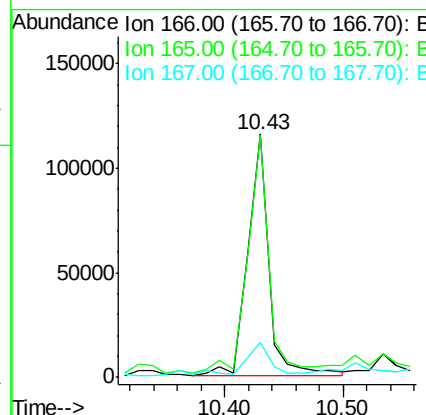
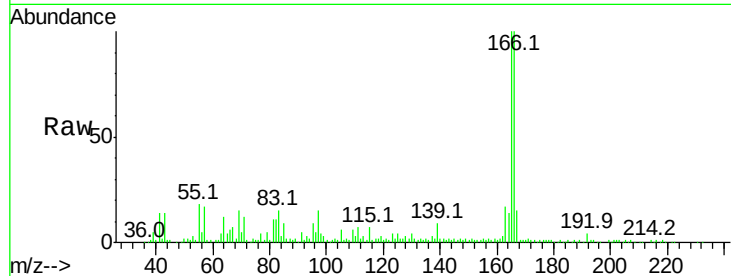
#57
Fluorene
 Concen: 7.90 ng
 RT: 10.43 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: BF086407.D
 Acq: 23 Apr 2016 23:16

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B15(0-5)-C

Tot Ion	Ratio	Resp	Lower	Upper
166	100	143384		
165	99.8	79.0	118.6	
167	14.6	10.6	15.8	

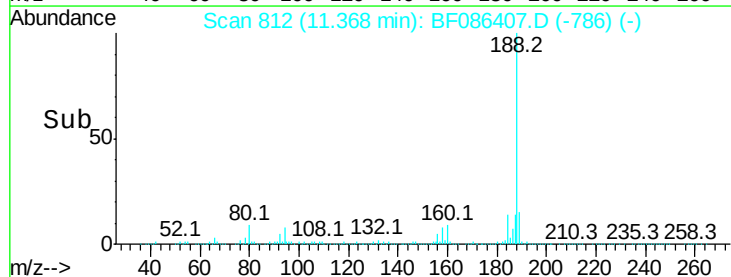
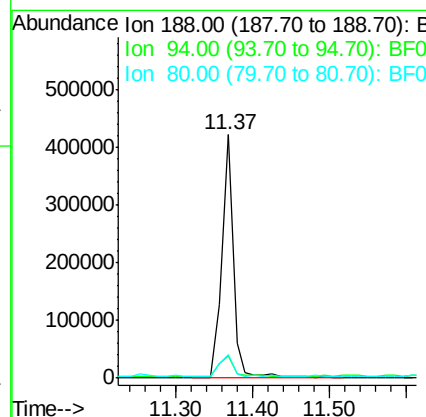
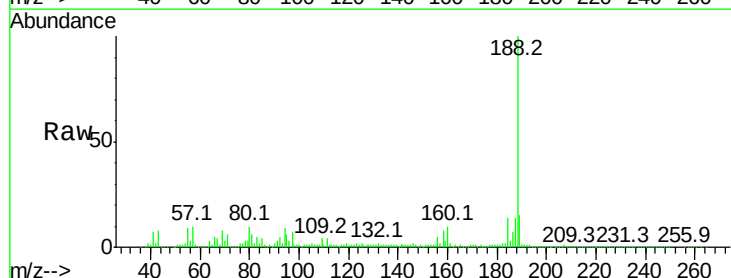
Manual Integrations
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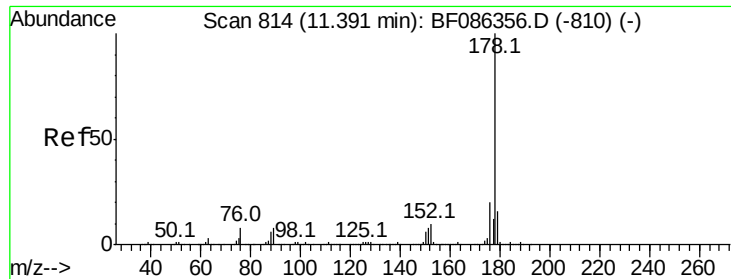
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF086407.D
 Acq: 23 Apr 2016 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	443980		
94	9.3	6.8	10.2	
80	9.5	7.1	10.7	





#70

Phenanthrene

Concen: 52.15 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF086407.D

Acq: 23 Apr 2016 23:16

Instrument :

BNA_F

ClientSampleId :

WPG-B15(0-5)-C

Tot Ion:178 Resp: 1163433

Ion Ratio Lower Upper

178 100

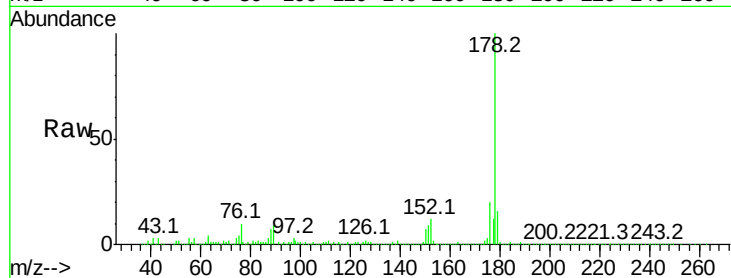
176 20.3 16.0 24.0

179 16.2 12.6 18.8

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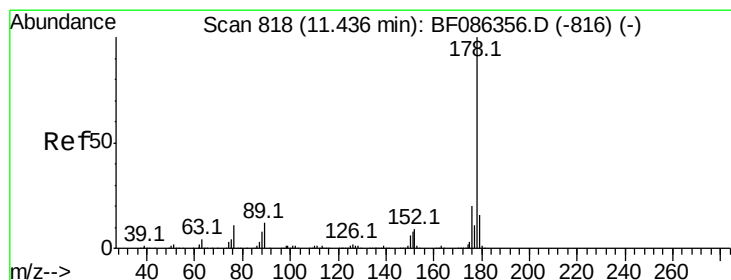
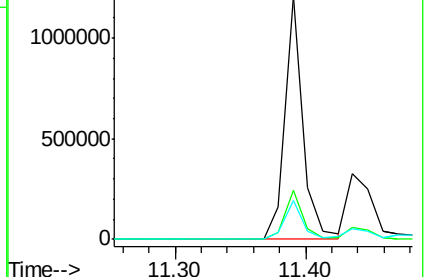
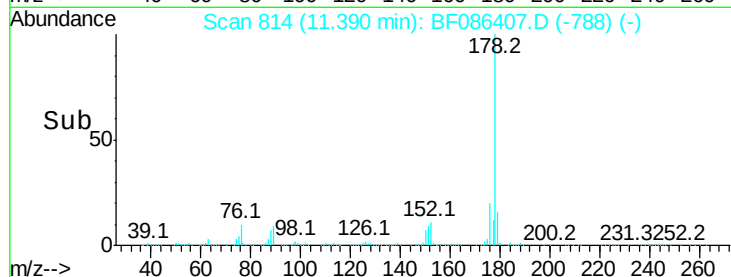
4/25/2016 12:36:14 PM



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: 17.96 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF086407.D

Acq: 23 Apr 2016 23:16

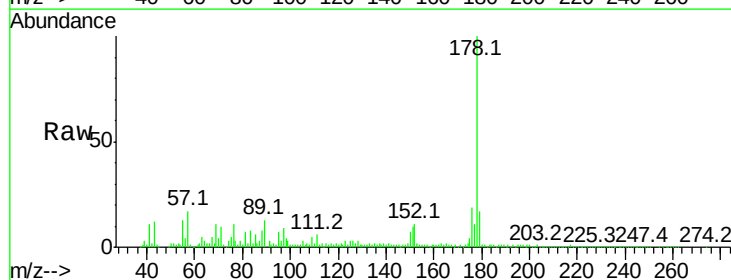
Tgt Ion:178 Resp: 458967

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

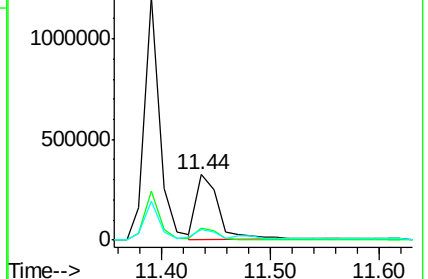
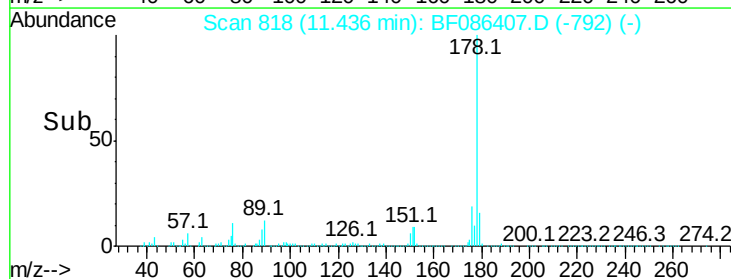
179 16.6 12.7 19.1

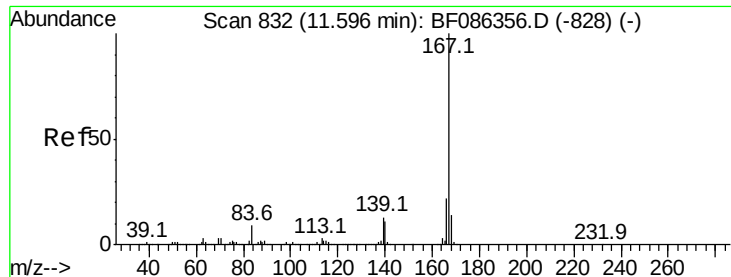


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.12 ng

RT: 11.60 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF086407.D

Acq: 23 Apr 2016 23:16

Instrument :

BNA_F

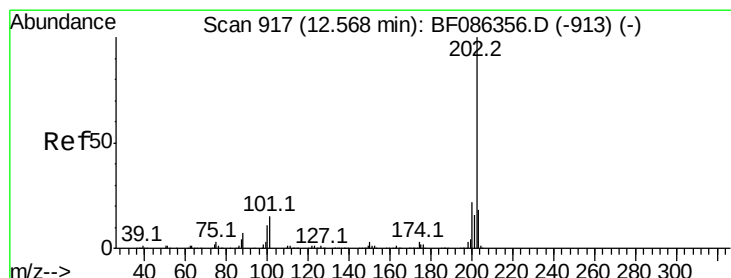
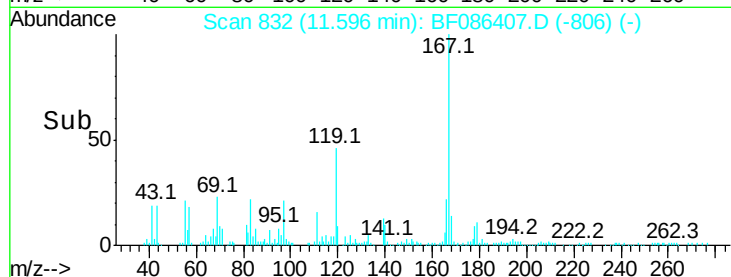
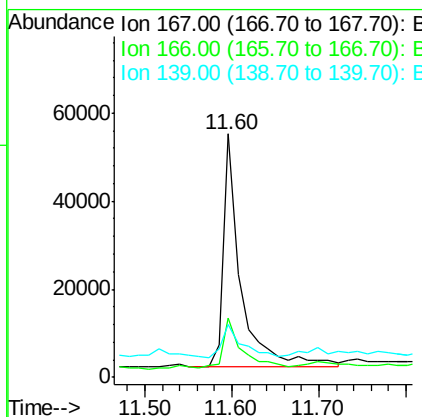
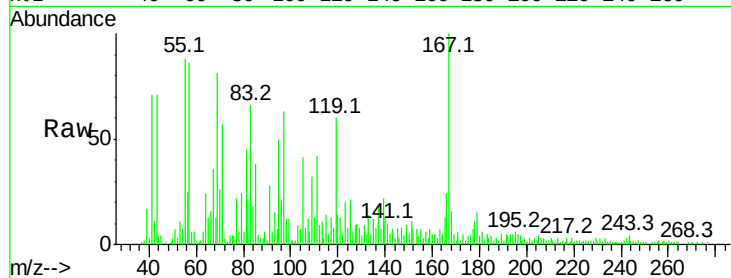
ClientSampleId :

WPG-B15(0-5)-C

Tot Ion	Ratio	Lower	Upper
167	100		
166	24.2	17.7	26.5
139	21.9	10.8	16.2

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#74

Fluoranthene

Concen: 69.04 ng

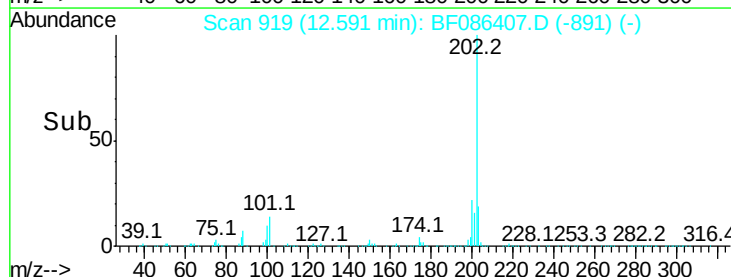
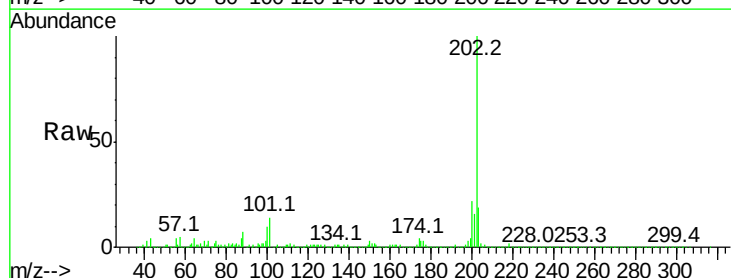
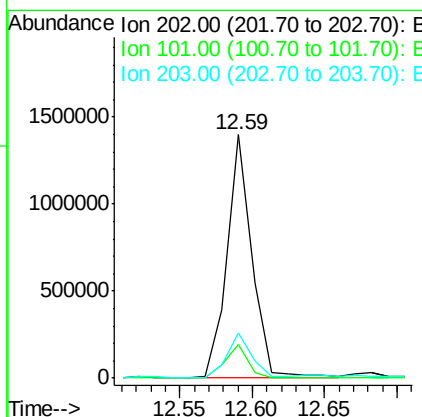
RT: 12.59 min Scan# 919

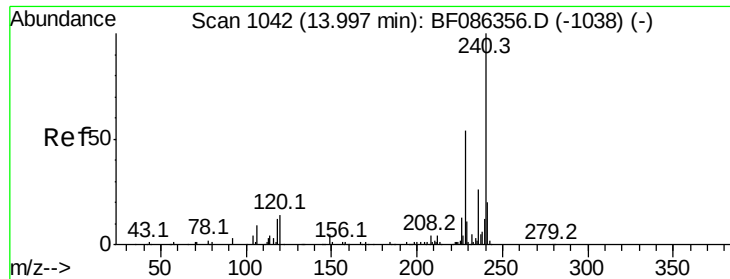
Delta R.T. 0.02 min

Lab File: BF086407.D

Acq: 23 Apr 2016 23:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	35.4
203	18.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. 0.01 min

Lab File: BF086407.D

Acq: 23 Apr 2016 23:16

Instrument :

BNA_F

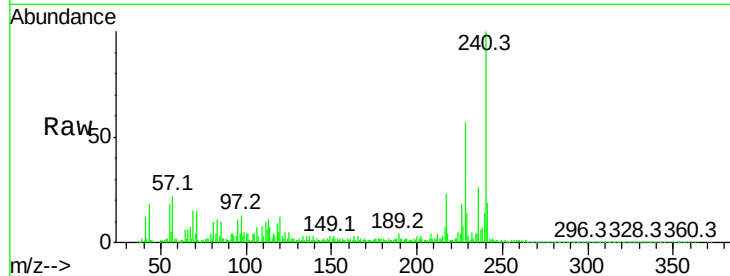
ClientSampleId :

WPG-B15(0-5)-C

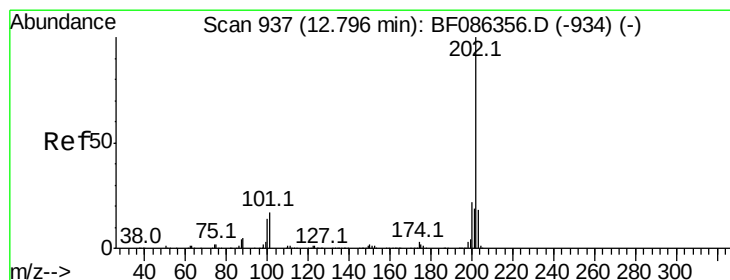
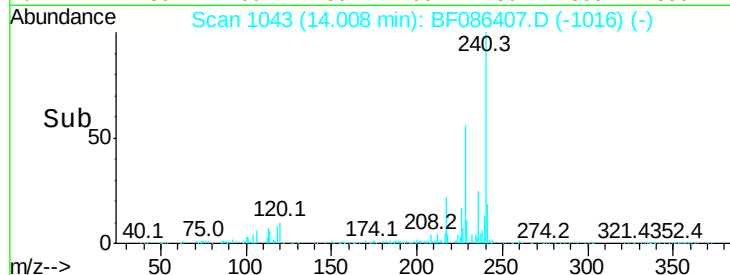
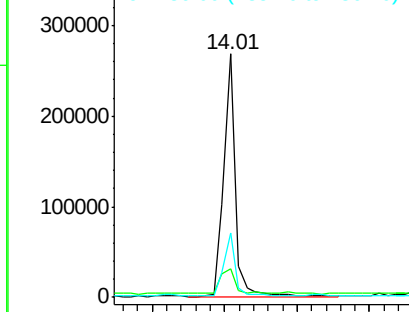
Tot Ion:	240	Resp:	298032
Ion Ratio	Lower	Upper	
240	100		
120	11.6	11.2	16.8
236	26.2	21.2	31.8

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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: 67.62 ng

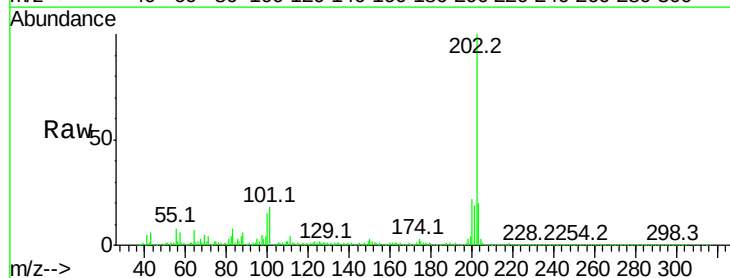
RT: 12.81 min Scan# 938

Delta R.T. 0.01 min

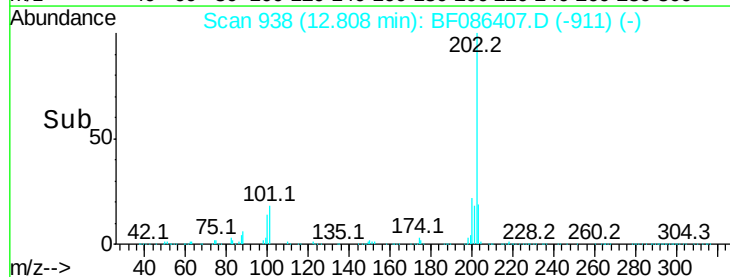
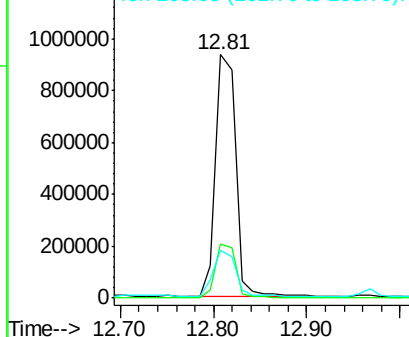
Lab File: BF086407.D

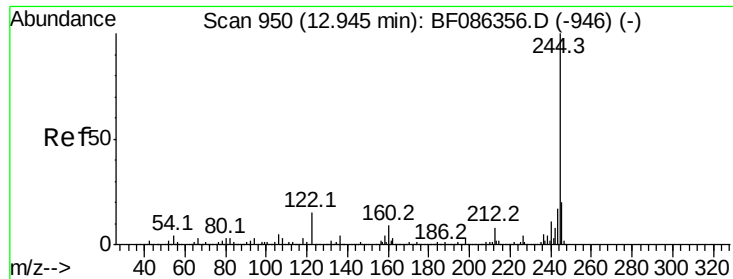
Acq: 23 Apr 2016 23:16

Tgt Ion:	202	Resp:	1405503
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.7	26.5
203	19.7	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: 71.70 ng

RT: 12.96 min Scan# 951

Delta R.T. 0.01 min

Lab File: BF086407.D

Acq: 23 Apr 2016 23:16

Instrument :

BNA_F

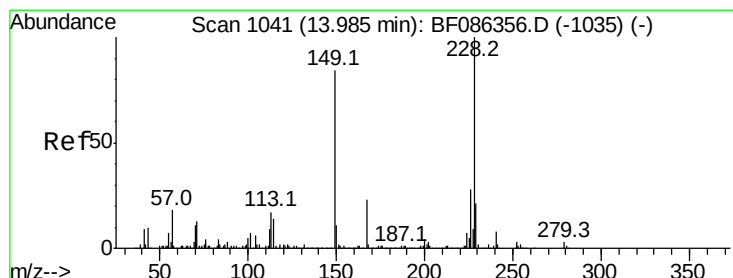
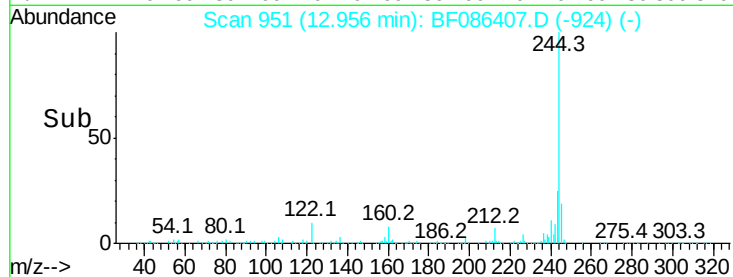
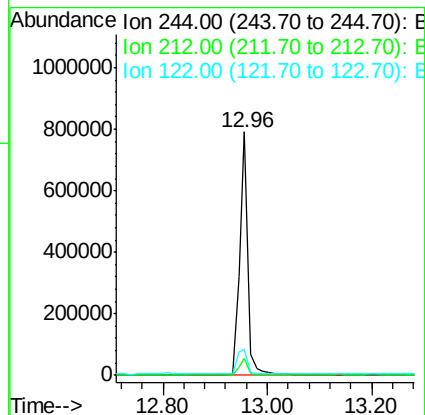
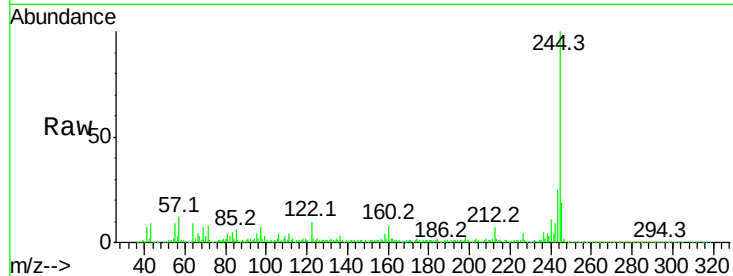
ClientSampleId :

WPG-B15(0-5)-C

Tot Ion:	244	Resp:	860017
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.2	9.2
122	10.5	12.0	18.0#

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#80

Benzo(a)anthracene

Concen: 44.71 ng m

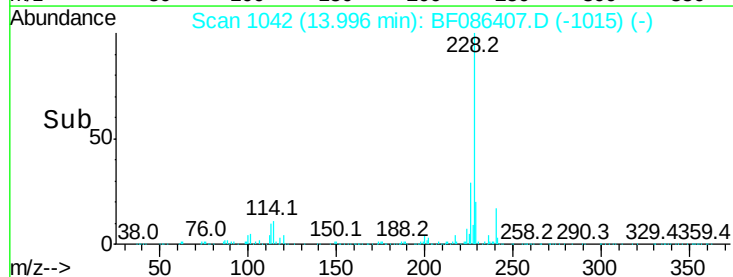
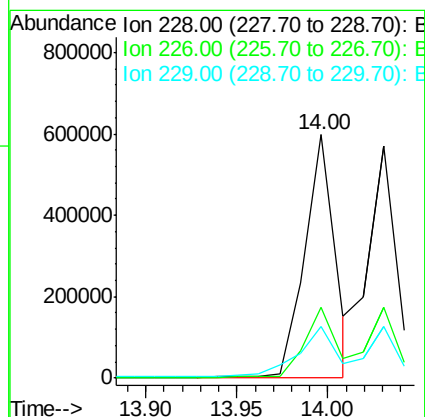
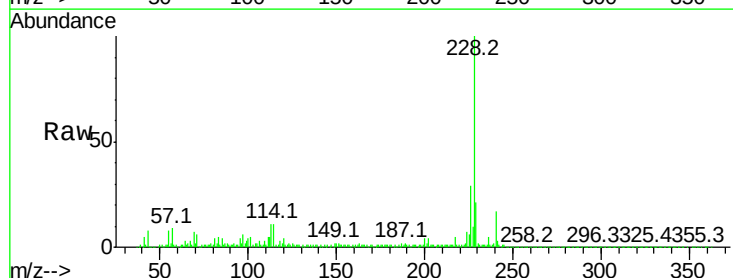
RT: 14.00 min Scan# 1042

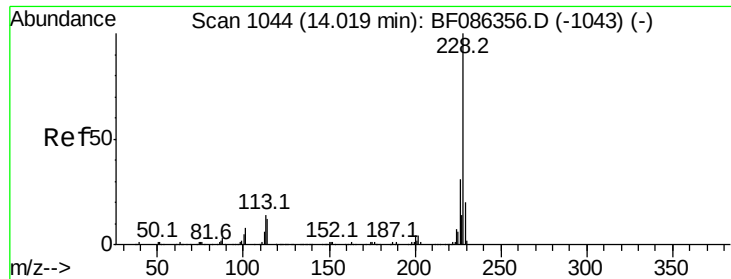
Delta R.T. 0.01 min

Lab File: BF086407.D

Acq: 23 Apr 2016 23:16

Tgt Ion:	228	Resp:	691715
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.5	33.7
229	21.0	16.6	25.0





#82

Chrysene

Concen: 38.05 ng/ml

RT: 14.03 min Scan# 1045

Delta R.T. 0.01 min

Lab File: BF086407.D

Acq: 23 Apr 2016 23:16

Instrument :

BNA_F

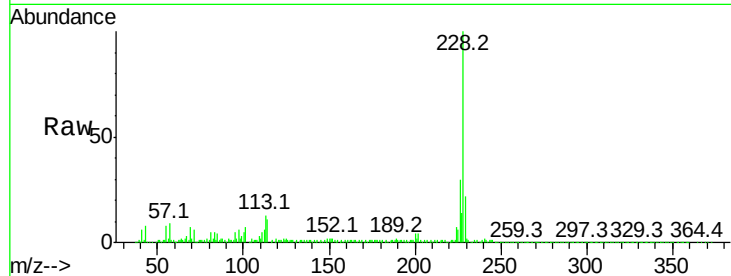
ClientSampleId :

WPG-B15(0-5)-C

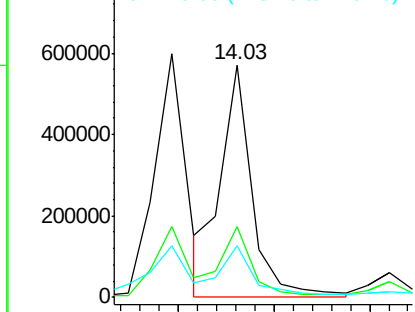
Tot Ion:	228	Resp:	663298
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.4	36.6
229	22.3	15.8	23.8

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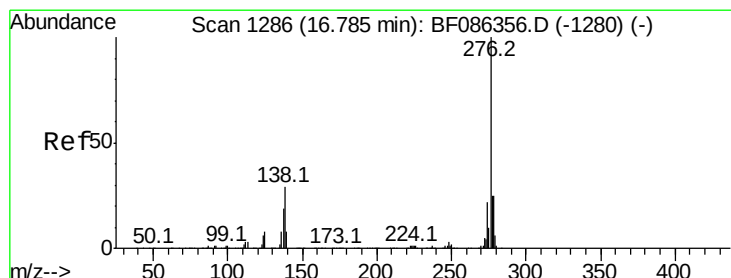
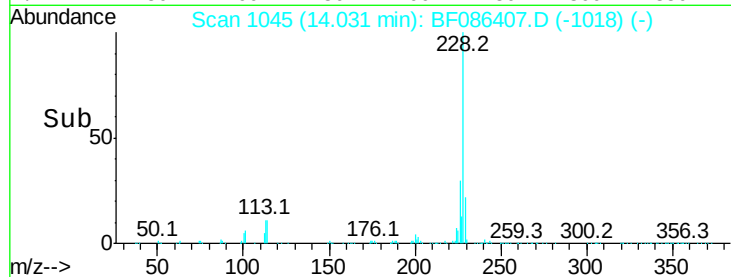
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 17.10 ng/ml

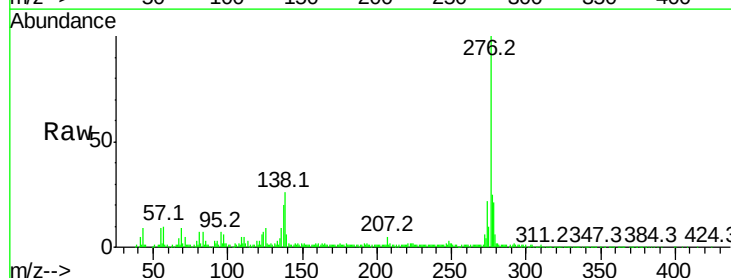
RT: 16.81 min Scan# 1288

Delta R.T. 0.02 min

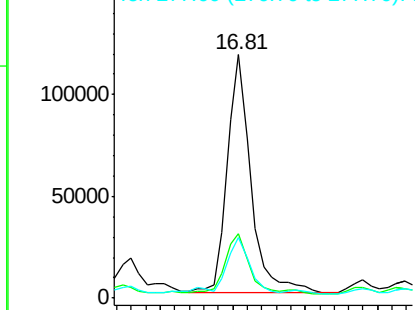
Lab File: BF086407.D

Acq: 23 Apr 2016 23:16

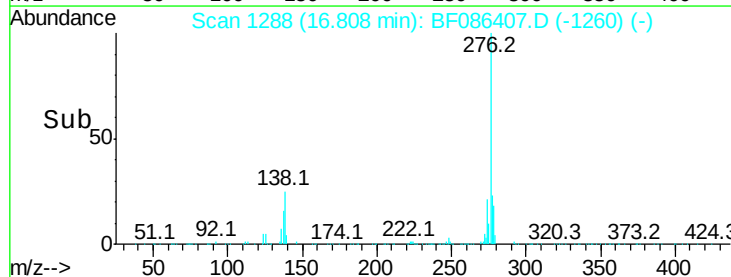
Tgt Ion:	276	Resp:	264978
Ion Ratio	Lower	Upper	
276	100		
138	24.3	25.6	38.4#
277	23.5	20.5	30.7

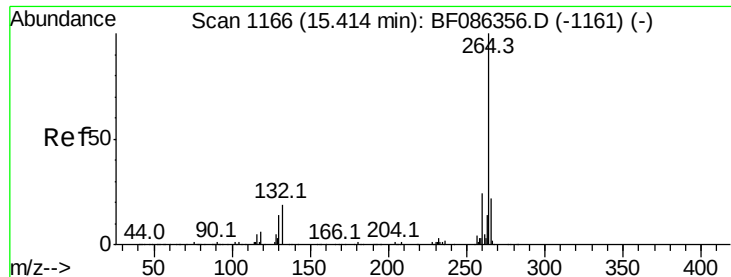


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.43 min Scan# 1167

Delta R.T. 0.01 min

Lab File: BF086407.D

Acq: 23 Apr 2016 23:16

Instrument :

BNA_F

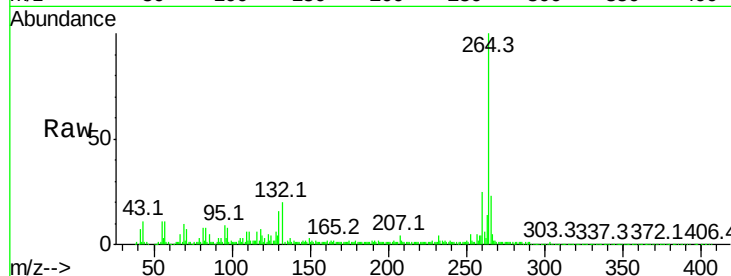
ClientSampleId :

WPG-B15(0-5)-C

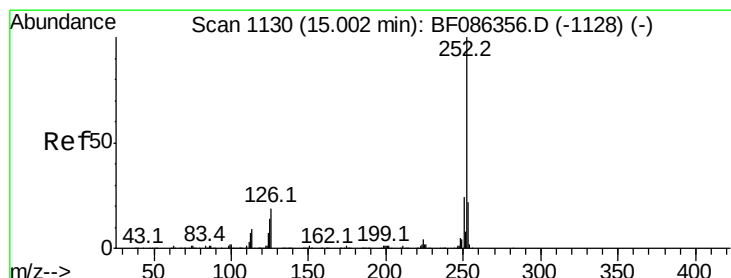
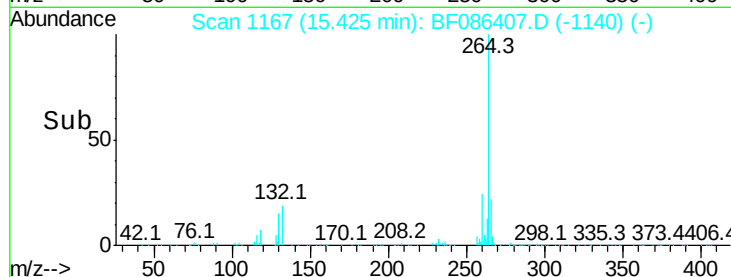
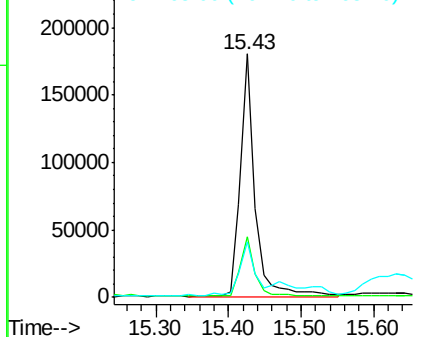
Tot Ion:	264	Resp:	250228
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.5	29.3
265	22.9	17.3	25.9

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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: 46.91 ng m

RT: 15.03 min Scan# 1132

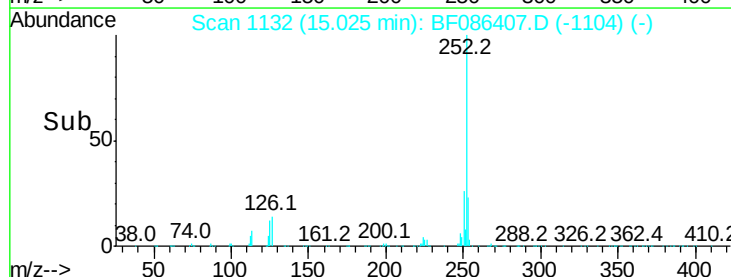
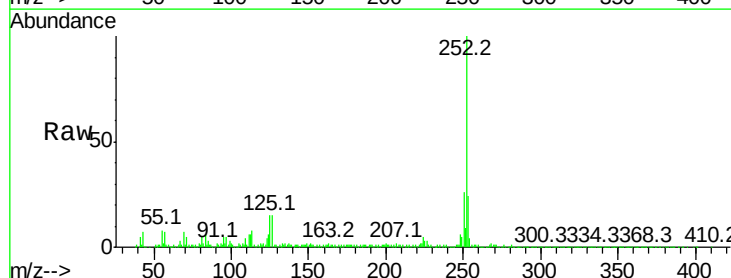
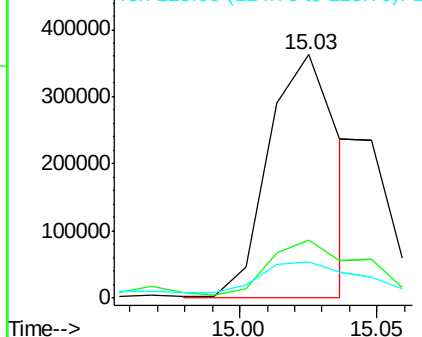
Delta R.T. 0.02 min

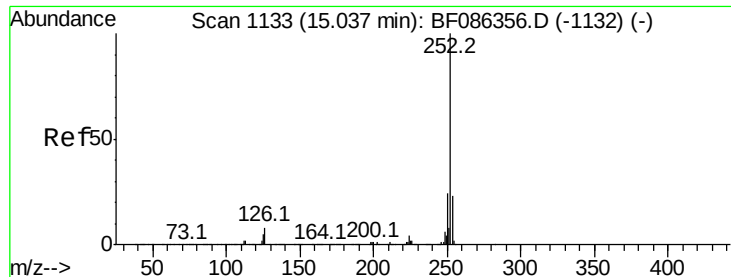
Lab File: BF086407.D

Acq: 23 Apr 2016 23:16

Tgt Ion:	252	Resp:	644332
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.6
125	14.9	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





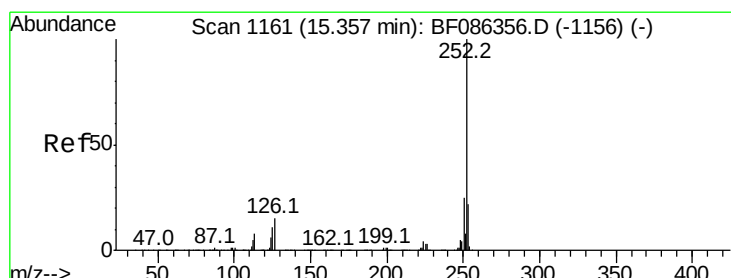
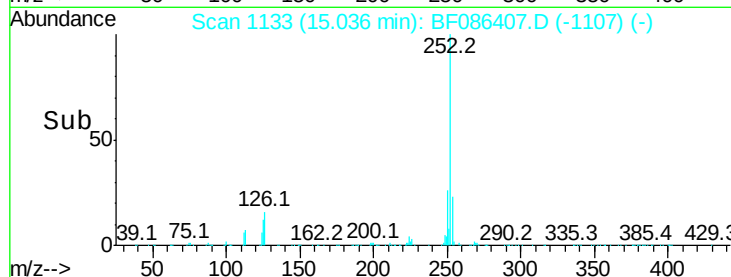
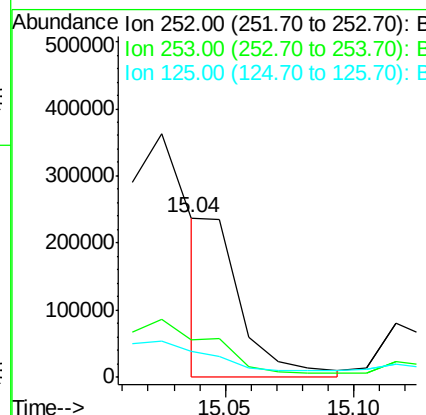
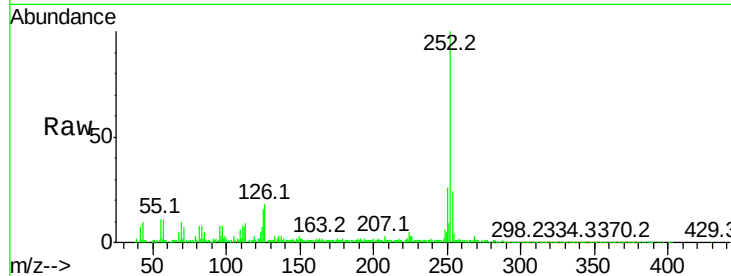
#88
Benzo(k)fluoranthene
Concen: 17.52 ng m
RT: 15.04 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BF086407.D
Acq: 23 Apr 2016 23:16

Instrument :
BNA_F
ClientSampleId :
WPG-B15(0-5)-C

Tot Ion	Ratio	Resp	Lower	Upper
252	100	236233		
253	23.9	17.8	26.6	
125	16.3	9.1	13.7	

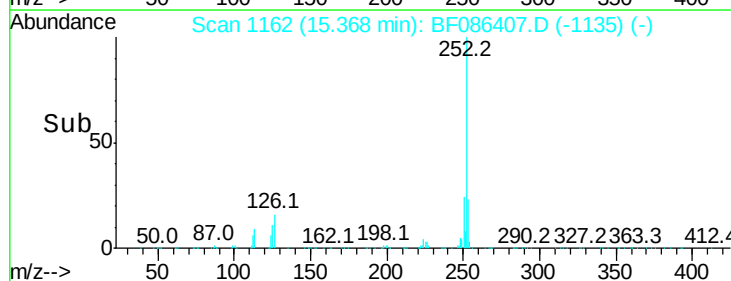
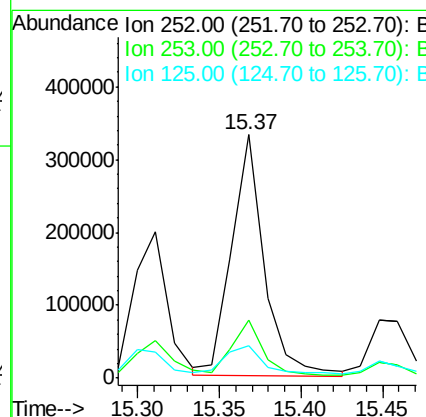
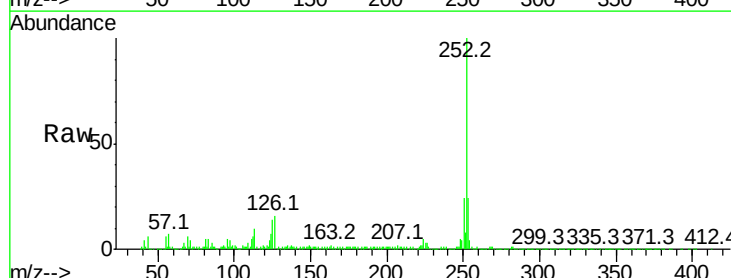
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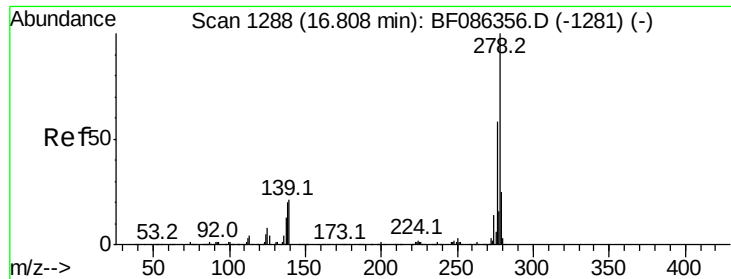
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#89
Benzo(a)pyrene
Concen: 33.79 ng
RT: 15.37 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF086407.D
Acq: 23 Apr 2016 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	457826		
253	23.6	17.2	25.8	
125	13.5	9.0	13.6	





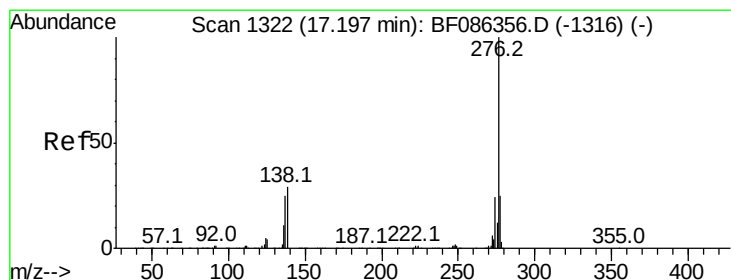
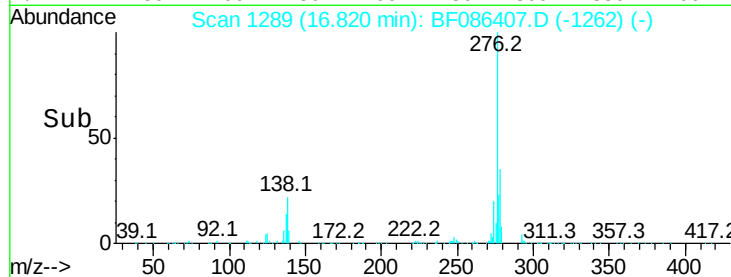
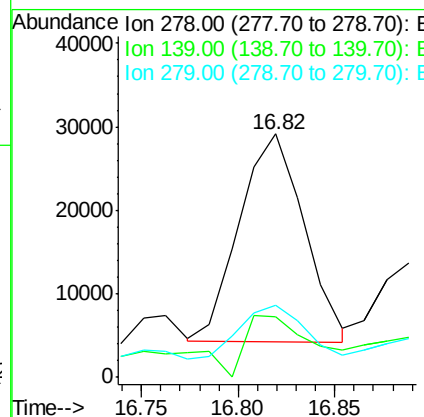
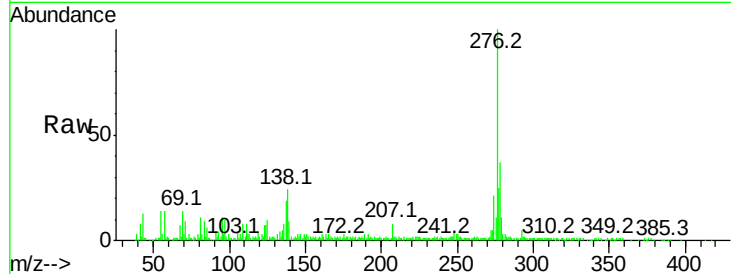
#90
Dibenzo(a,h)anthracene
Concen: 5.18 ng/mL
RT: 16.82 min Scan# 1289
Delta R.T. 0.01 min
Lab File: BF086407.D
Acq: 23 Apr 2016 23:16

Instrument :
BNA_F
ClientSampleId :
WPG-B15(0-5)-C

Tot Ion:	278	Resp:	57880
Ion Ratio	Lower	Upper	
278	100		
139	25.0	16.6	24.8#
279	29.7	19.6	29.4#

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#91
Benzo(g,h,i)perylene
Concen: 19.97 ng/mL
RT: 17.22 min Scan# 1324
Delta R.T. 0.02 min
Lab File: BF086407.D
Acq: 23 Apr 2016 23:16

Tgt Ion:	276	Resp:	230469
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.6	29.4
138	29.2	23.6	35.4

