

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091609.D
 Acq On : 15 Dec 2016 2:43
 Operator : UM/SJ
 Sample : H6007-07 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3-0-5

Manual Integrations
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Quant Time: Dec 15 06:56:51 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	298436	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	1093080	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	526290	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	706635	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	606658	20.00	ng	-0.01
86) Perylene-d12	15.37	264	447415	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	377482	21.31	ng	-0.02
7) Phenol-d6	6.43	99	478593	21.67	ng	-0.02
23) Nitrobenzene-d5	7.36	82	237250	12.11	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	66479	15.21	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	513384	16.86	ng	-0.02
78) Terphenyl-d14	12.90	244	356475	13.33	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.55	163	104556	3.14	ng	Qvalue 98
70) Phenanthrene	11.33	178	232137	6.63	ng	97
74) Fluoranthene	12.52	202	301245	8.22	ng	94
77) Pyrene	12.75	202	291521	6.06	ng	98
80) Benzo(a)anthracene	13.94	228	151233m	4.29	ng	
82) Chrysene	13.97	228	158935m	4.31	ng	
87) Benzo(b)fluoranthene	14.97	252	143619m	5.38	ng	
88) Benzo(k)fluoranthene	14.99	252	48356m	2.06	ng	
89) Benzo(a)pyrene	15.31	252	96187	4.00	ng	# 90
91) Benzo(g,h,i)perylene	17.14	276	47112	2.15	ng	# 84

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

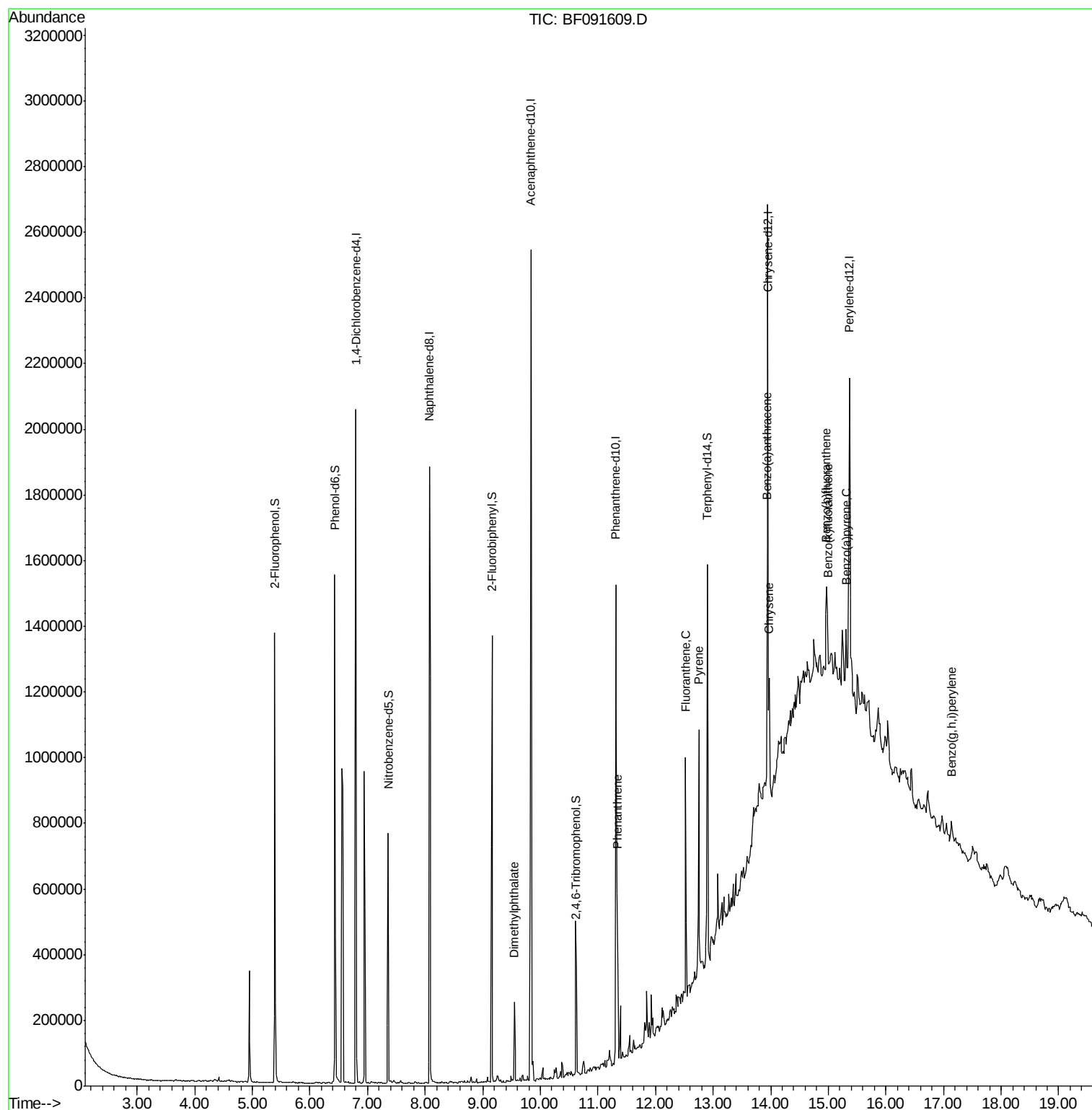
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091609.D
Acq On : 15 Dec 2016 2:43
Operator : UM/SJ
Sample : H6007-07 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

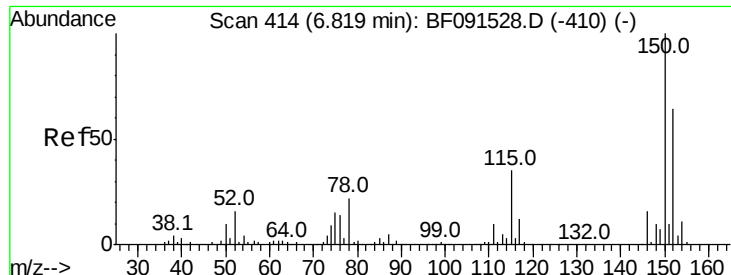
Instrument :
BNA_F
ClientSampleId :
WC-3-0-5

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Quant Time: Dec 15 06:56:51 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
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QLast Update : Fri Dec 09 19:00:21 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.02 min

Lab File: BF091609.D

Acq: 15 Dec 2016 2:43

Instrument :

BNA_F

ClientSampleId :

WC-3-0-5

Tot Ion:152 Resp: 298436

Ion Ratio Lower Upper

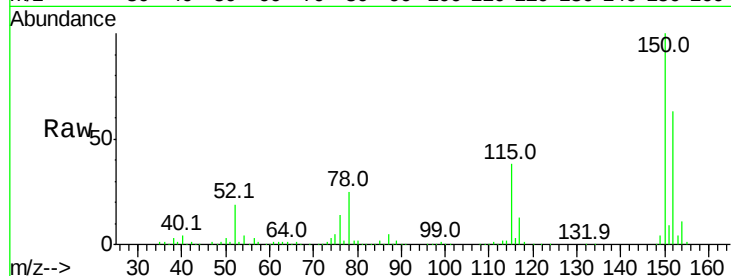
152 100

150 157.7 122.5 183.7

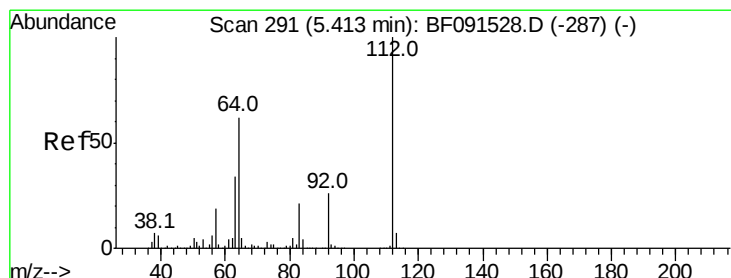
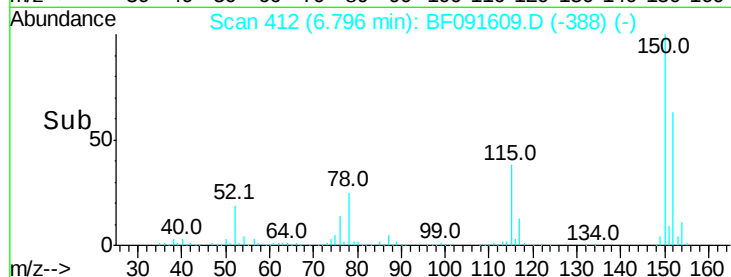
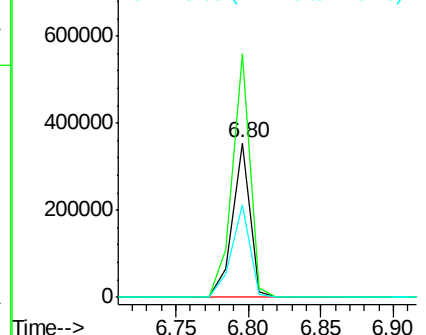
115 60.2 51.8 77.8

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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: 21.31 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.02 min

Lab File: BF091609.D

Acq: 15 Dec 2016 2:43

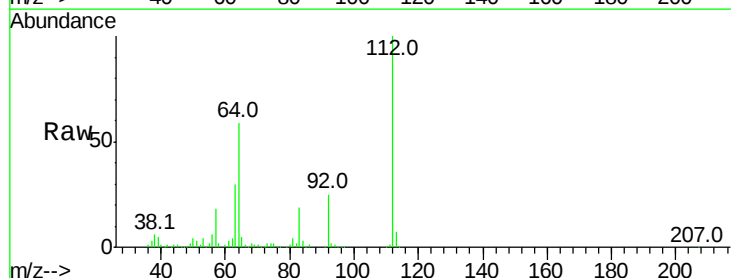
Tgt Ion:112 Resp: 377482

Ion Ratio Lower Upper

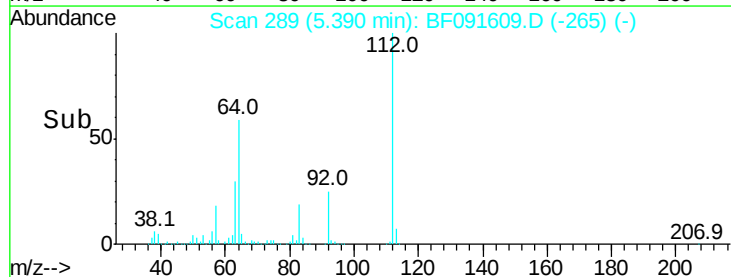
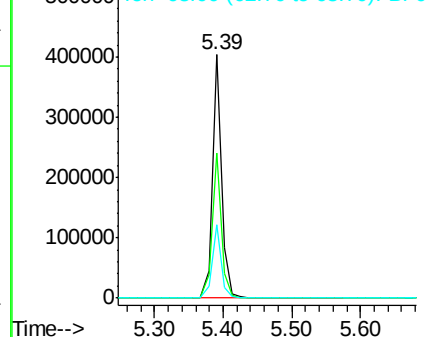
112 100

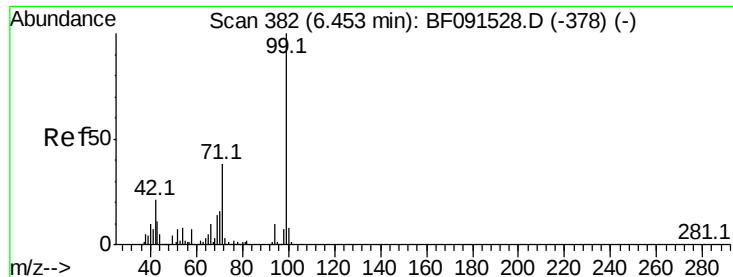
64 59.4 61.5 92.3#

63 30.2 33.3 49.9#



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: 21.67 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091609.D

Acq: 15 Dec 2016 2:43

Instrument :

BNA_F

ClientSampleId :

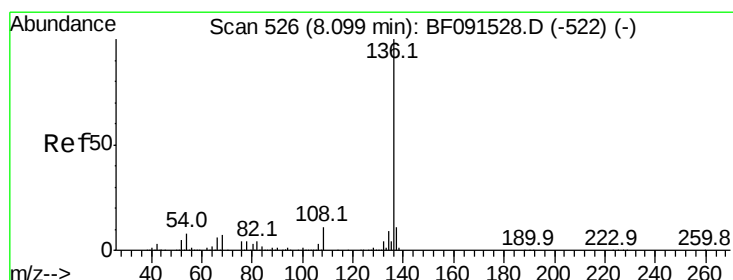
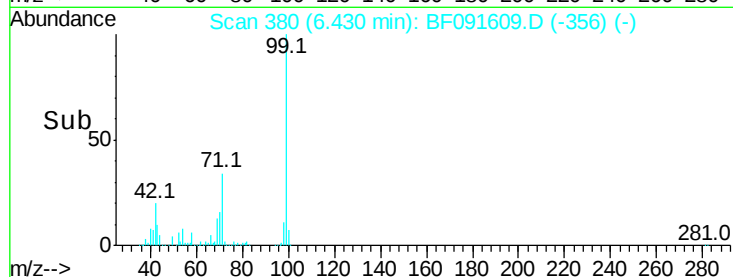
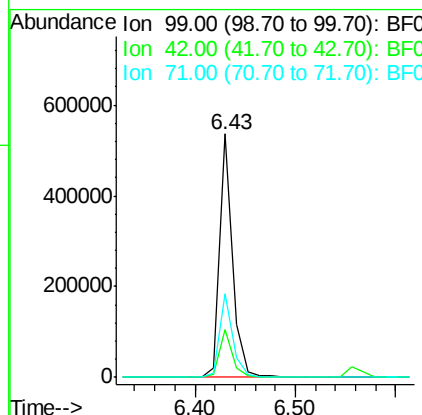
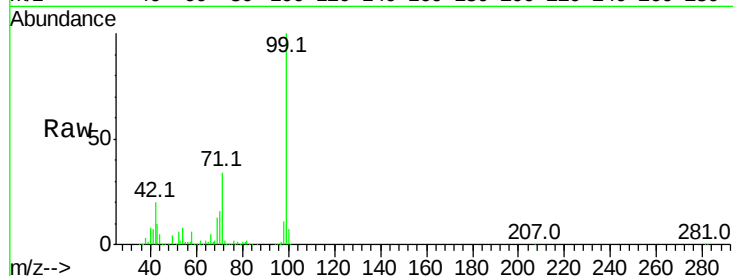
WC-3-0-5

Tot Ion: 99 Resp: 478593

Ion	Ratio	Lower	Upper
99	100		
42	19.7	20.6	31.0#
71	34.4	29.9	44.9

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

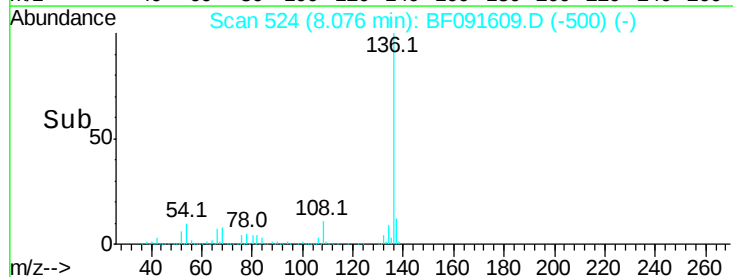
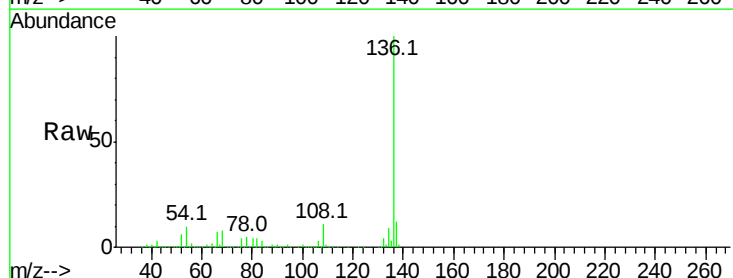
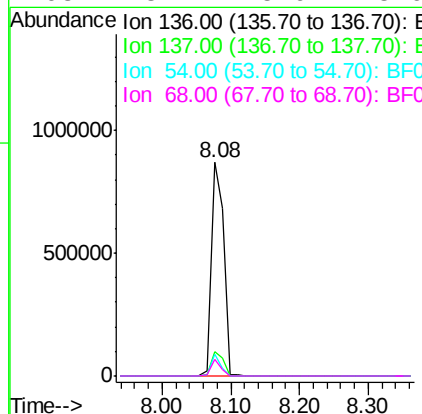
Delta R.T. -0.02 min

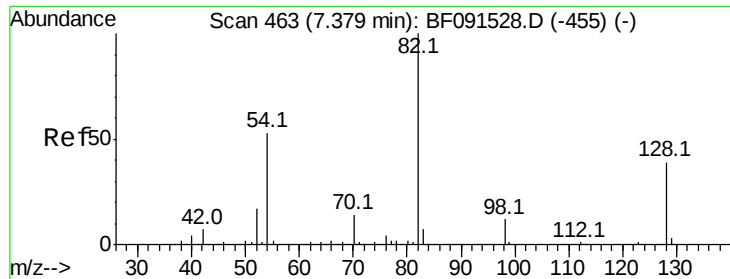
Lab File: BF091609.D

Acq: 15 Dec 2016 2:43

Tgt Ion: 136 Resp: 1093080

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	10.5	9.1	13.7
68	8.1	5.9	8.9





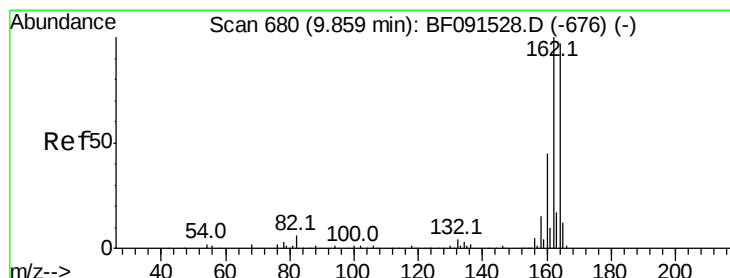
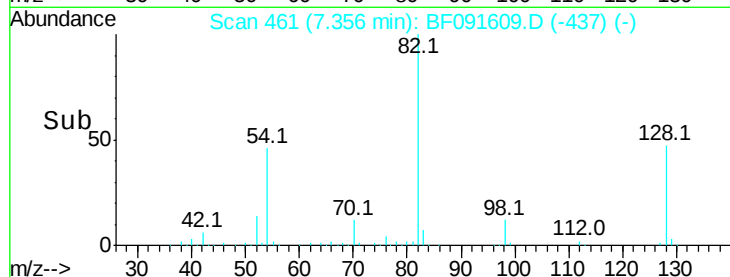
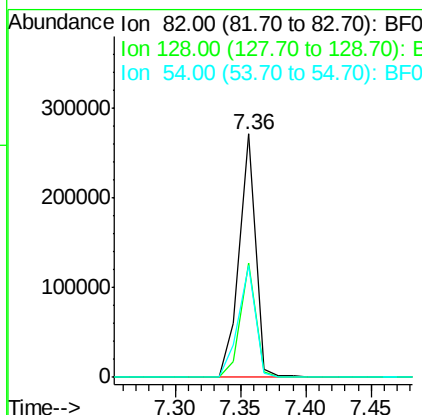
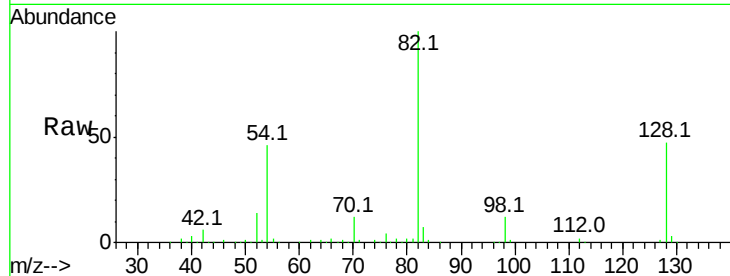
#23
 Nitrobenzene-d5
 Concen: 12.11 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF091609.D
 Acq: 15 Dec 2016 2:43

Instrument :
 BNA_F
 ClientSampleId :
 WC-3-0-5

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	47.1	31.8	47.6
54	45.8	49.1	73.7#

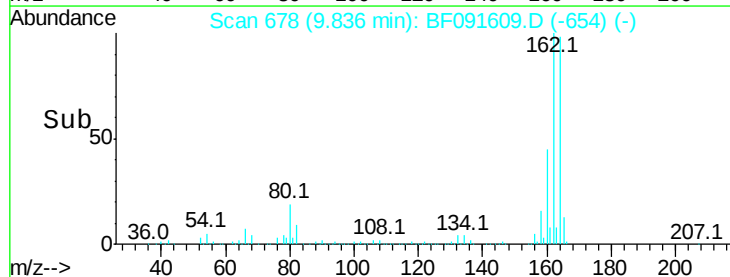
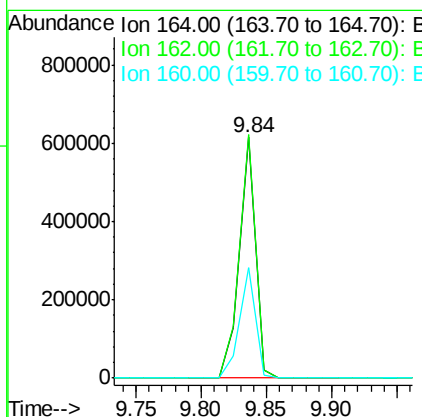
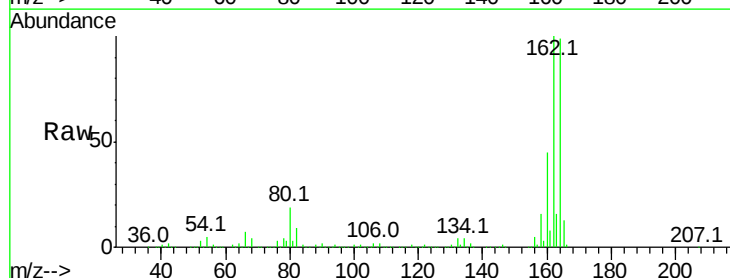
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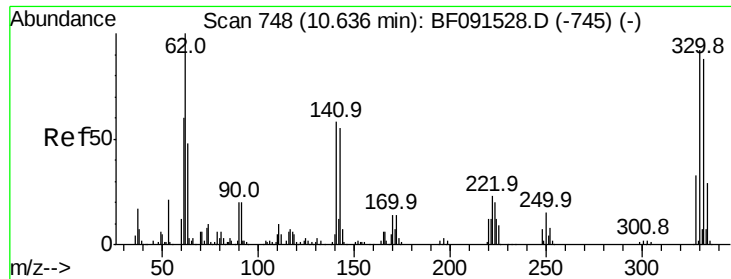
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: BF091609.D
 Acq: 15 Dec 2016 2:43

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	101.1	82.6	124.0
160	45.7	36.7	55.1





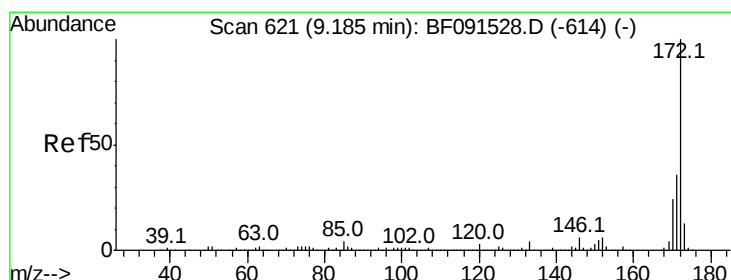
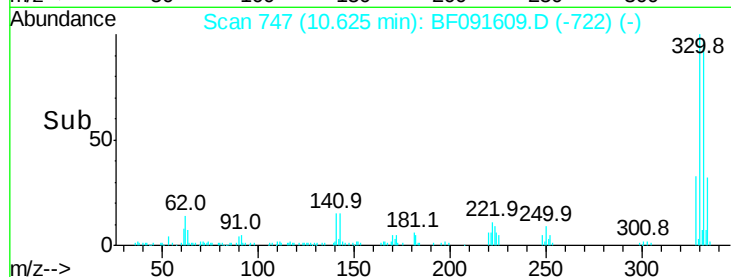
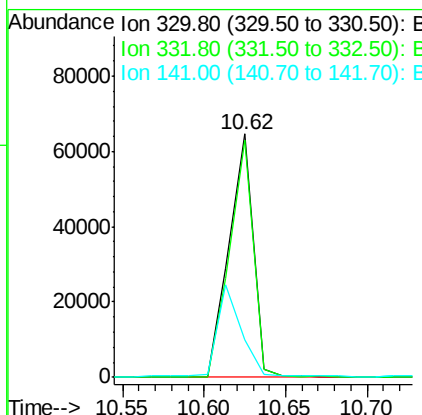
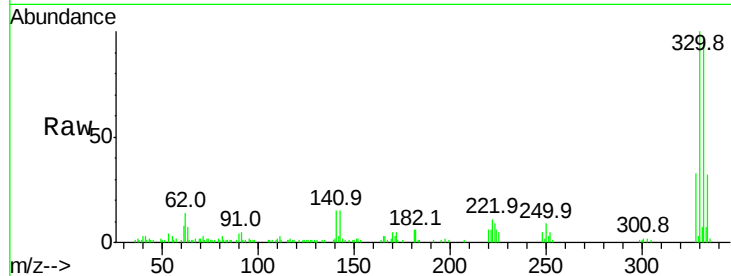
#41
 2,4,6-Tribromophenol
 Concen: 15.21 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF091609.D
 Acq: 15 Dec 2016 2:43

Instrument :
 BNA_F
 ClientSampleId :
 WC-3-0-5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	66479		
332	95.4	76.2	114.4	
141	38.3	33.6	50.4	

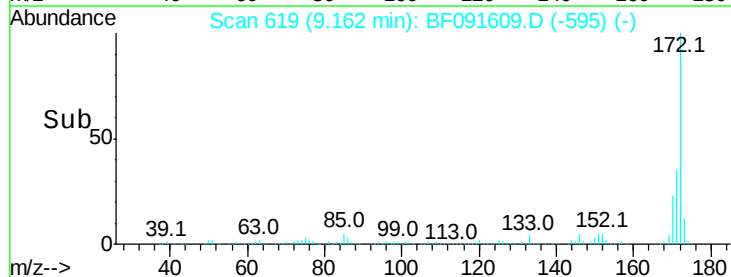
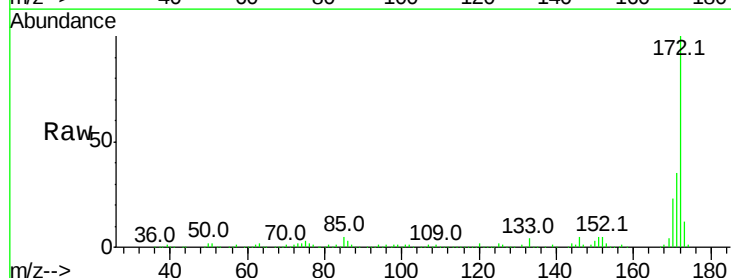
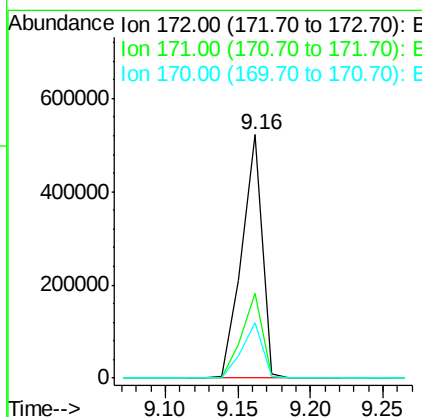
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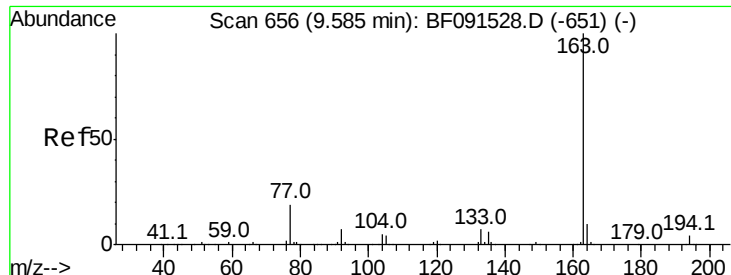
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#44
 2-Fluorobiphenyl
 Concen: 16.86 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.02 min
 Lab File: BF091609.D
 Acq: 15 Dec 2016 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	513384		
171	34.7	29.4	44.0	
170	22.8	19.7	29.5	





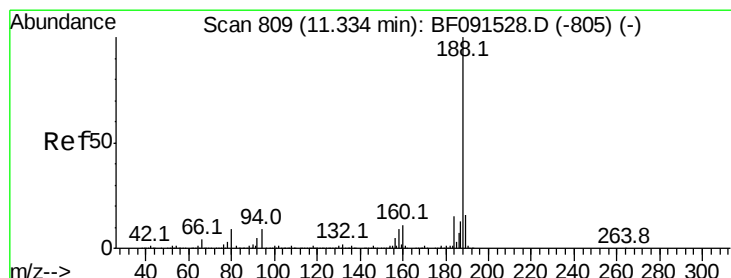
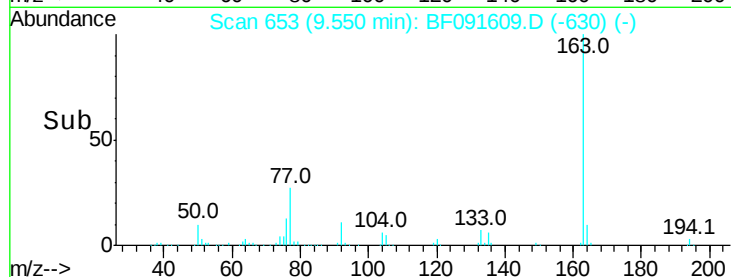
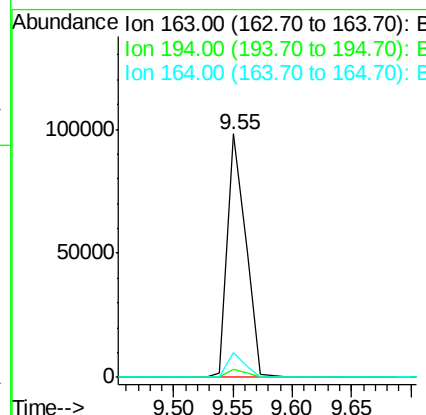
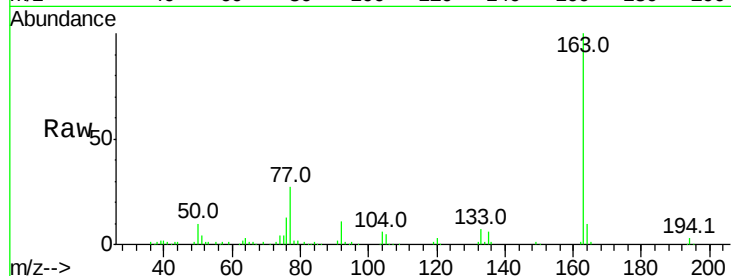
#49
Dimethylphthalate
Concen: 3.14 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.03 min
Lab File: BF091609.D
Acq: 15 Dec 2016 2:43

Instrument :
BNA_F
ClientSampleId :
WC-3-0-5

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.1	3.0	4.4
164	10.4	7.8	11.8

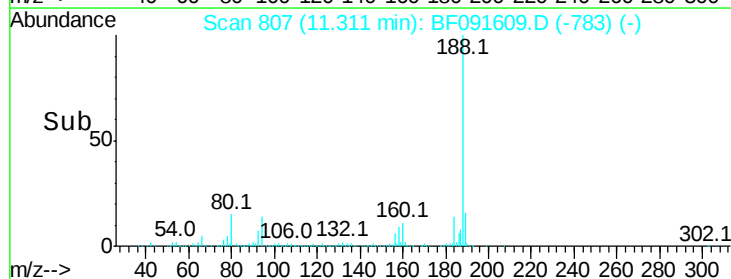
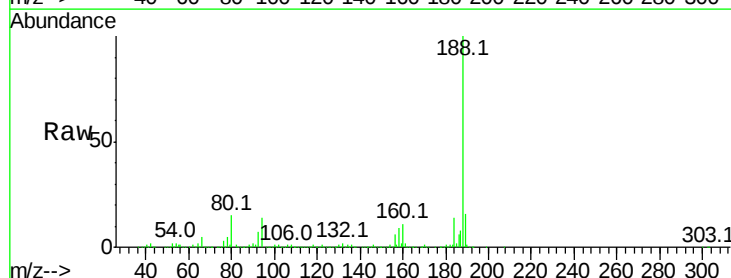
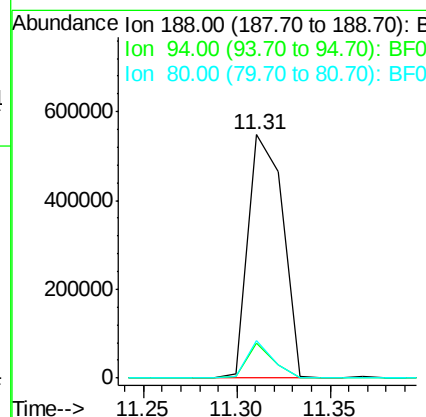
Manual Integrations
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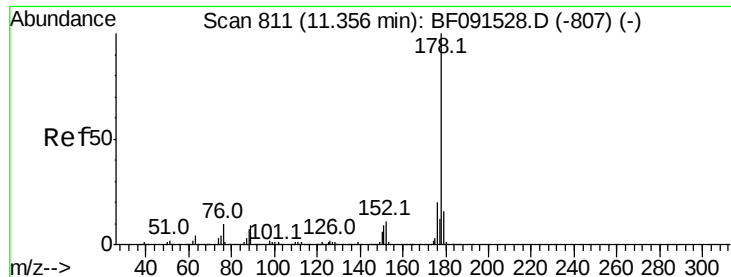
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF091609.D
Acq: 15 Dec 2016 2:43

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	14.3	9.2	13.8#
80	15.4	10.5	15.7





#70

Phenanthrene

Concen: 6.63 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.02 min

Lab File: BF091609.D

Acq: 15 Dec 2016 2:43

Instrument :

BNA_F

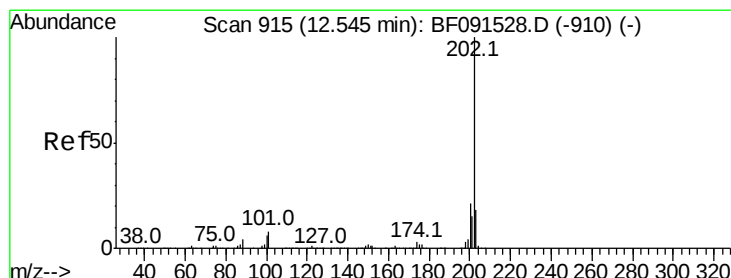
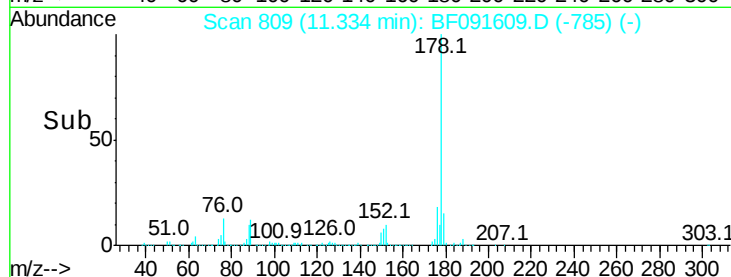
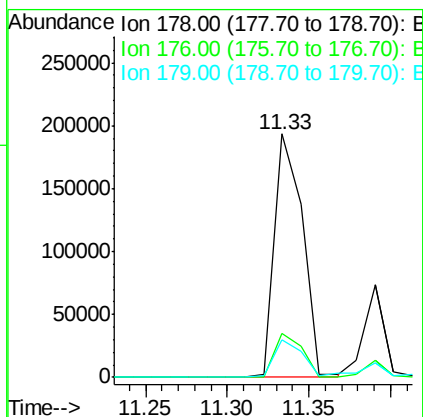
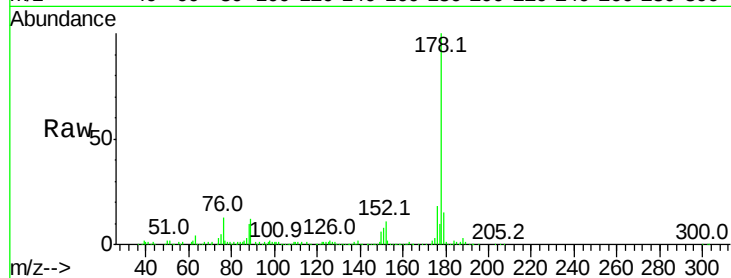
ClientSampleId :

WC-3-0-5

Tot Ion:	178	Resp:	232137
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.9	23.9
179	15.5	12.6	18.8

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#74

Fluoranthene

Concen: 8.22 ng

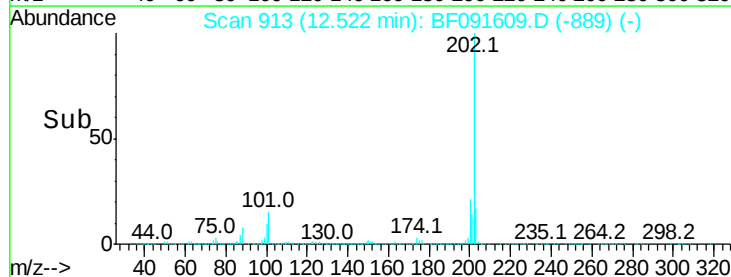
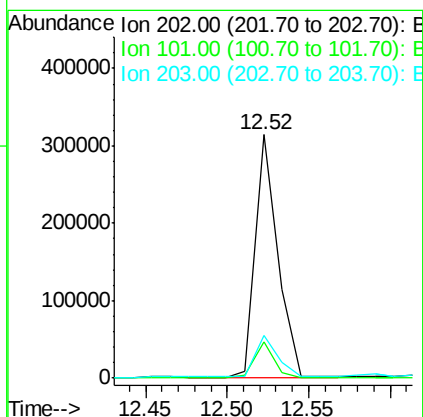
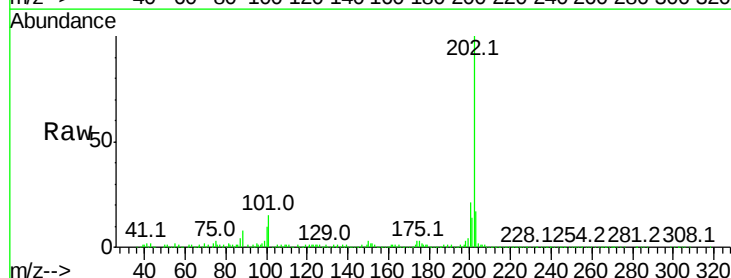
RT: 12.52 min Scan# 913

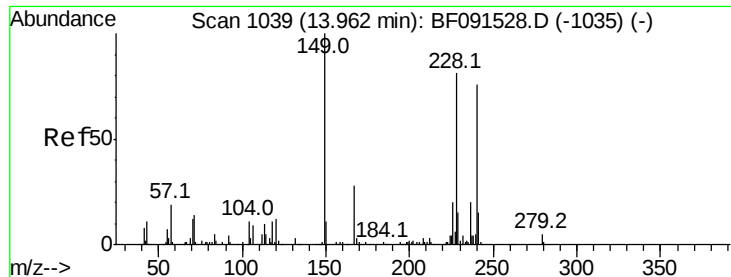
Delta R.T. -0.02 min

Lab File: BF091609.D

Acq: 15 Dec 2016 2:43

Tgt Ion:	202	Resp:	301245
Ion Ratio	Lower	Upper	
202	100		
101	14.9	0.0	29.5
203	17.4	0.0	37.8





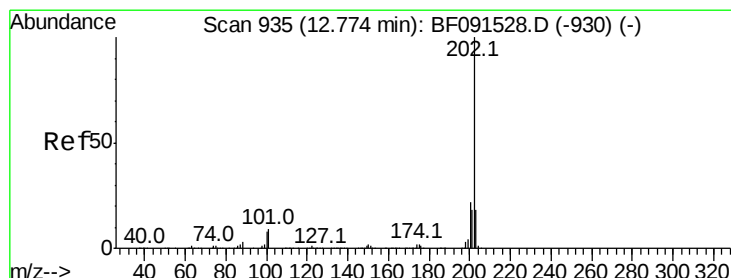
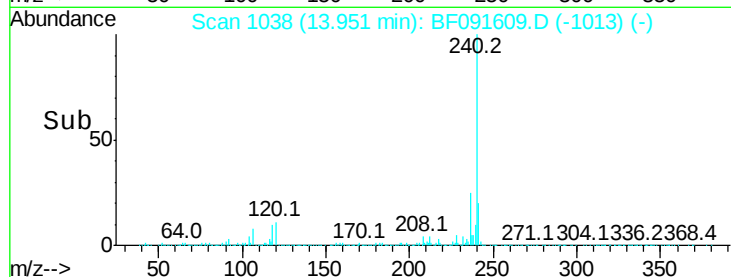
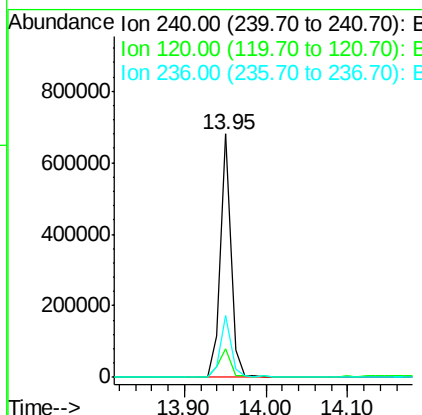
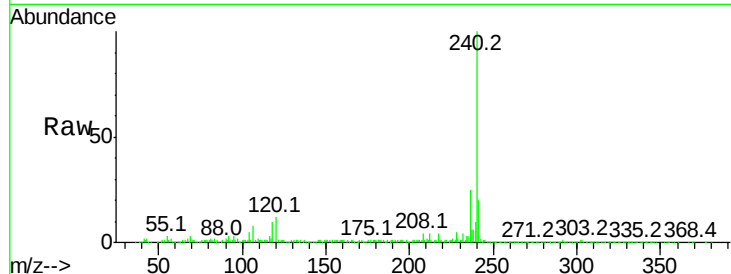
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF091609.D
Acq: 15 Dec 2016 2:43

Instrument :
BNA_F
ClientSampleId :
WC-3-0-5

Tot Ion:240 Resp: 606658
Ion Ratio Lower Upper
240 100
120 11.5 12.1 18.1#
236 25.1 21.0 31.6

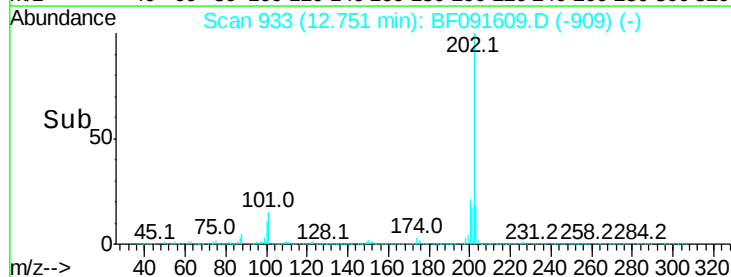
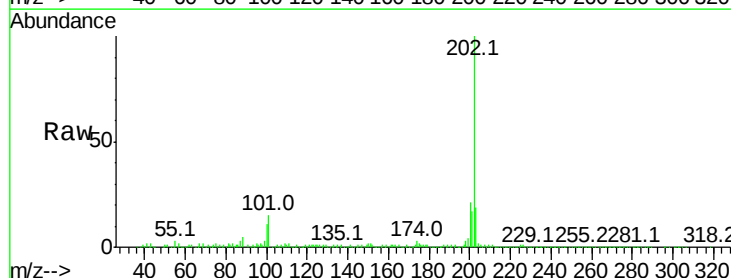
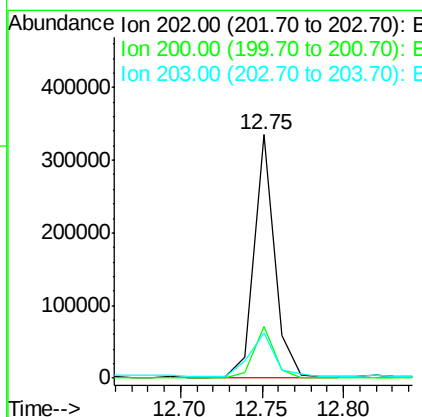
Manual Integrations
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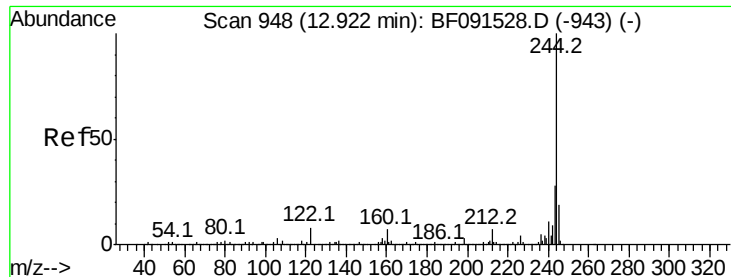
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#77
Pyrene
Concen: 6.06 ng
RT: 12.75 min Scan# 933
Delta R.T. -0.02 min
Lab File: BF091609.D
Acq: 15 Dec 2016 2:43

Tgt Ion:202 Resp: 291521
Ion Ratio Lower Upper
202 100
200 21.0 17.6 26.4
203 18.7 14.0 21.0





#78

Terphenyl-d14

Concen: 13.33 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF091609.D

Acq: 15 Dec 2016 2:43

Instrument :

BNA_F

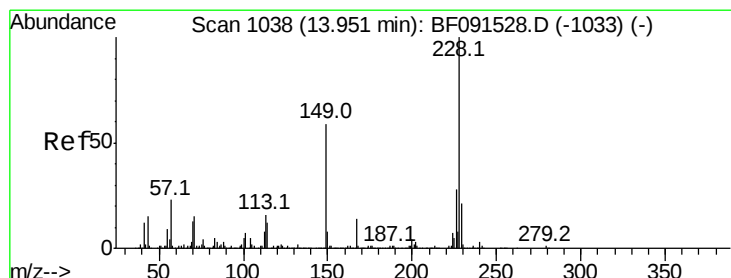
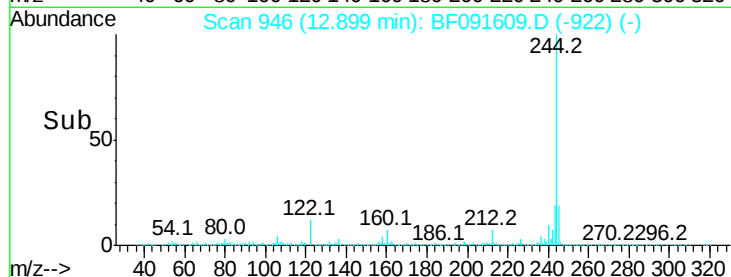
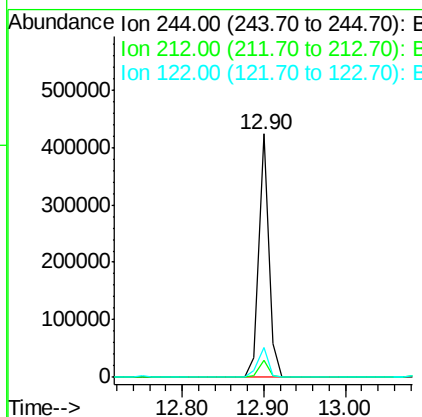
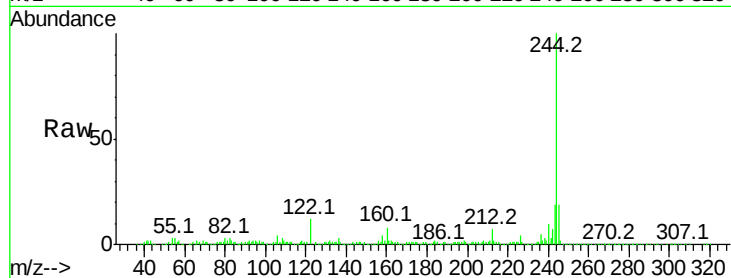
ClientSampled :

WC-3-0-5

Tot Ion:	244	Resp:	356475
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.5	9.7
122	12.2	9.5	14.3

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#80

Benzo(a)anthracene

Concen: 4.29 ng m

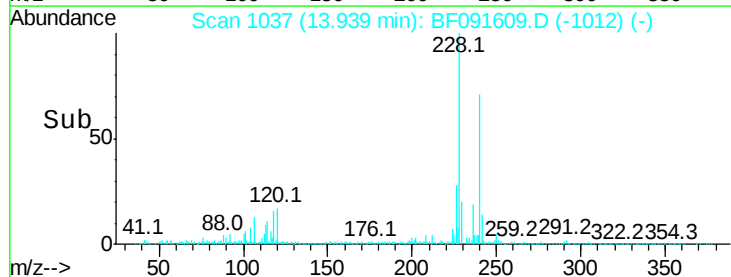
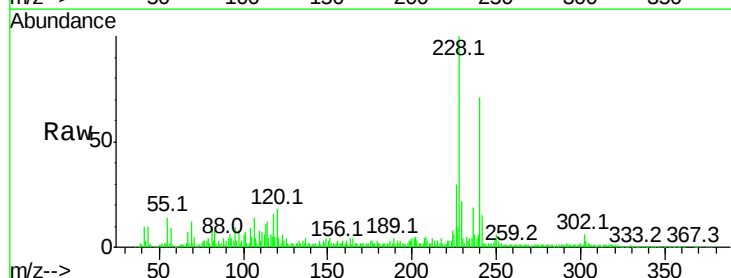
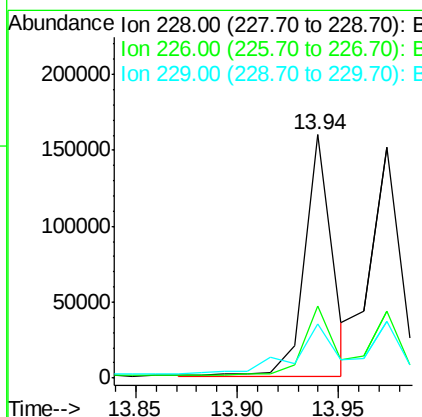
RT: 13.94 min Scan# 1037

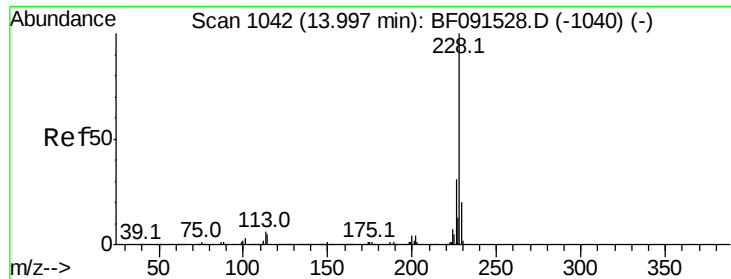
Delta R.T. -0.01 min

Lab File: BF091609.D

Acq: 15 Dec 2016 2:43

Tgt Ion:	228	Resp:	151233
Ion Ratio	Lower	Upper	
228	100		
226	29.5	22.5	33.7
229	22.4	16.4	24.6





#82

Chrysene

Concen: 4.31 ng/mL

RT: 13.97 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BF091609.D

Acq: 15 Dec 2016 2:43

Instrument :

BNA_F

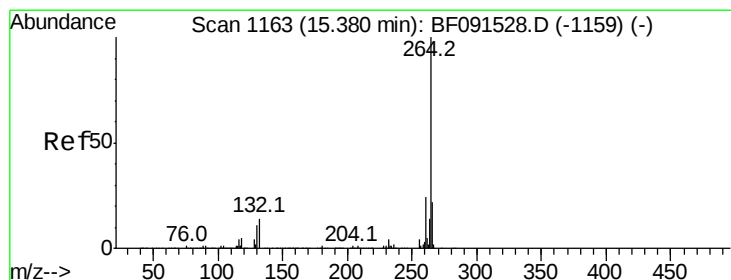
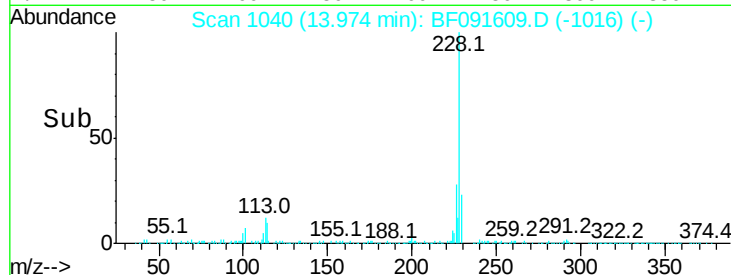
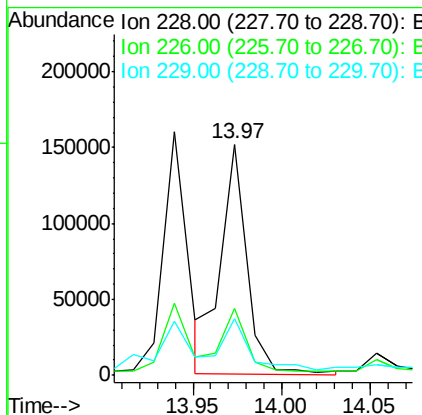
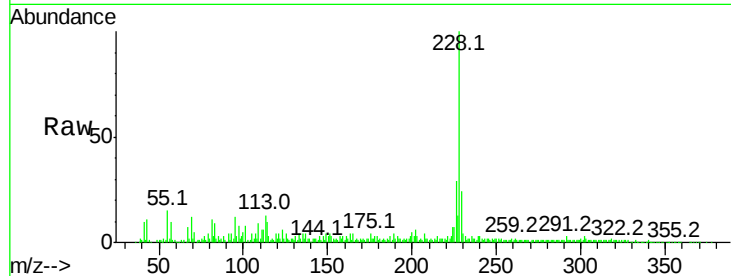
ClientSampleId :

WC-3-0-5

Tot Ion:	228	Resp:	158935
Ion Ratio	Lower	Upper	
228	100		
226	29.0	25.0	37.4
229	24.4	16.0	24.0

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#86

Perylene-d12

Concen: 20.00 ng/mL

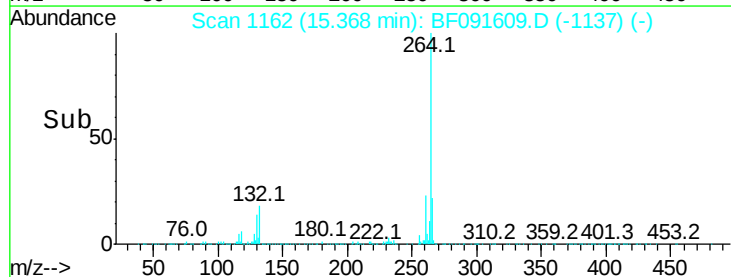
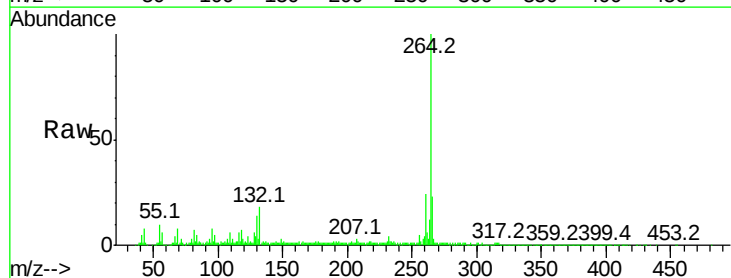
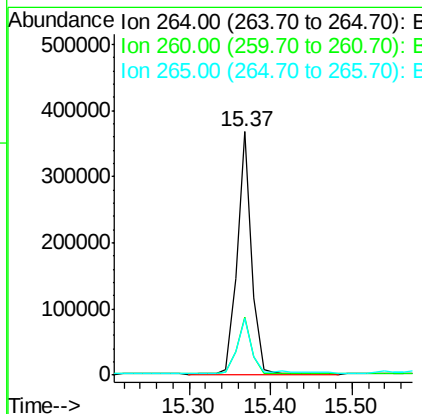
RT: 15.37 min Scan# 1162

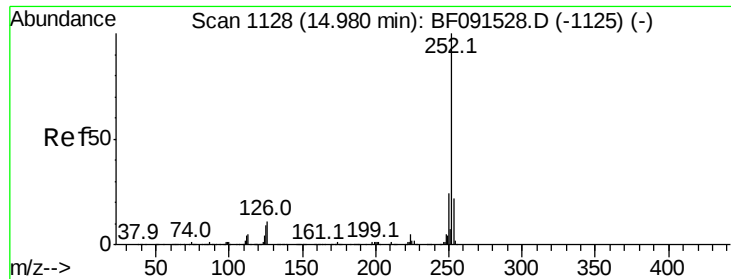
Delta R.T. -0.01 min

Lab File: BF091609.D

Acq: 15 Dec 2016 2:43

Tgt Ion:	264	Resp:	447415
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.8	28.2
265	23.1	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 5.38 ng m

RT: 14.97 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF091609.D

Acq: 15 Dec 2016 2:43

Instrument :

BNA_F

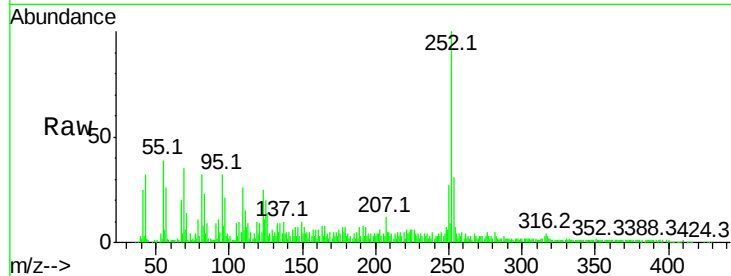
ClientSampleId :

WC-3-0-5

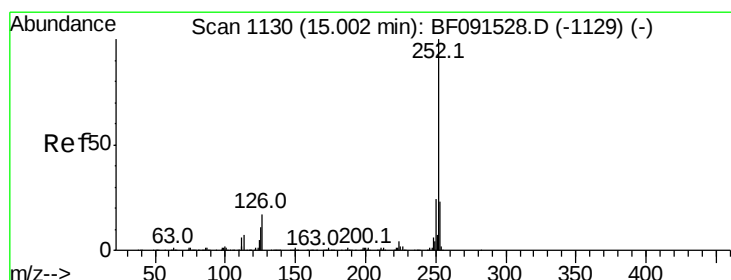
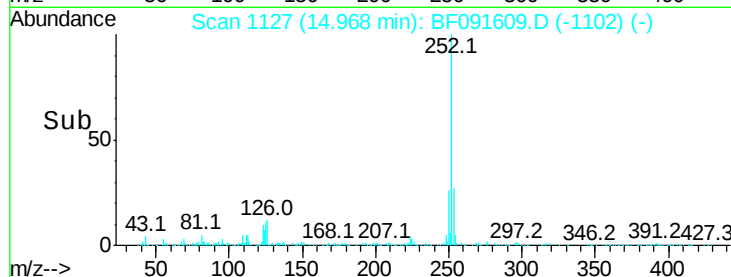
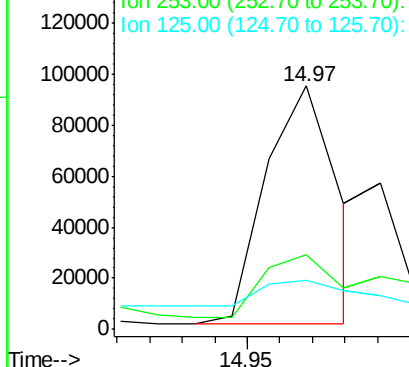
Tot Ion:	252	Resp:	143619
Ion Ratio	Lower	Upper	
252	100		
253	30.6	18.2	27.2#
125	20.1	8.6	13.0#

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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: 2.06 ng m

RT: 14.99 min Scan# 1129

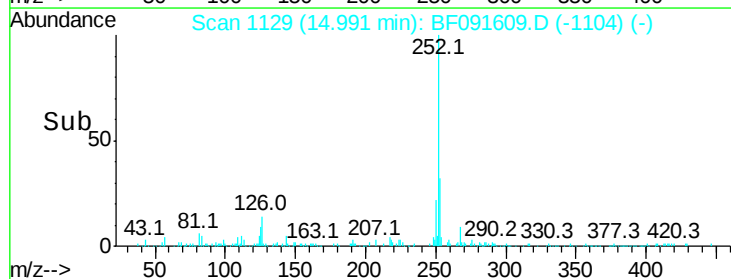
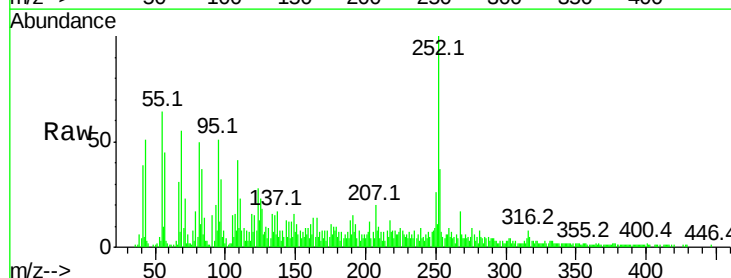
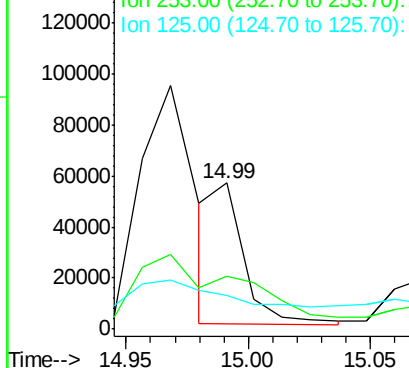
Delta R.T. -0.01 min

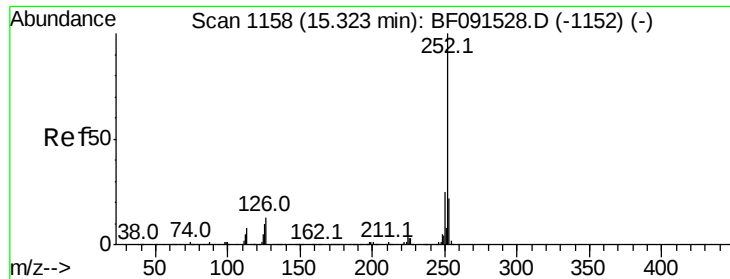
Lab File: BF091609.D

Acq: 15 Dec 2016 2:43

Tgt Ion:	252	Resp:	48356
Ion Ratio	Lower	Upper	
252	100		
253	36.5	17.8	26.8#
125	23.4	9.6	14.4#

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





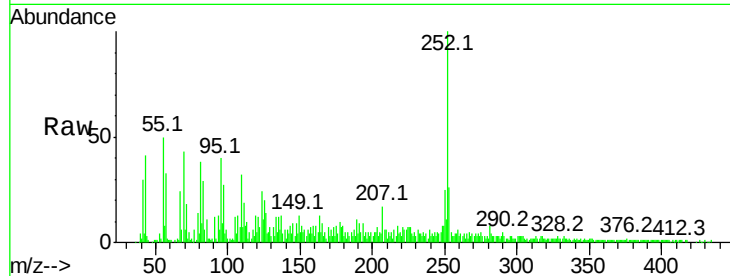
#89
Benzo(a)pyrene
Concen: 4.00 ng
RT: 15.31 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF091609.D
Acq: 15 Dec 2016 2:43

Instrument :
BNA_F
ClientSampleId :
WC-3-0-5

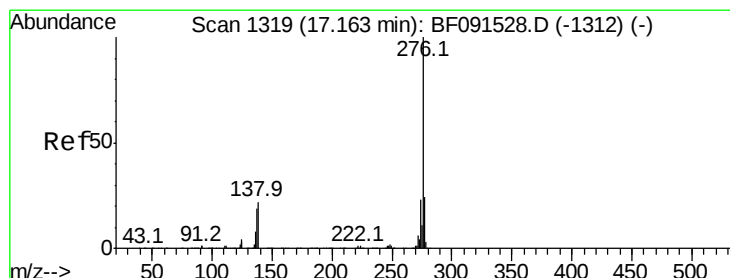
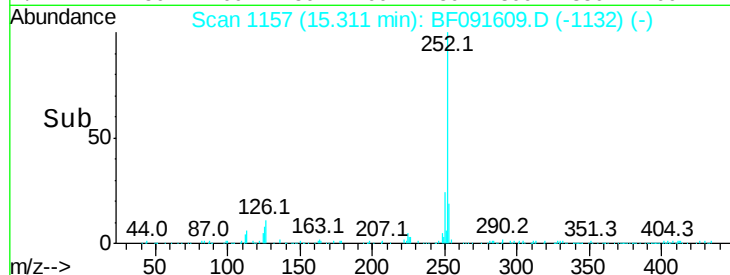
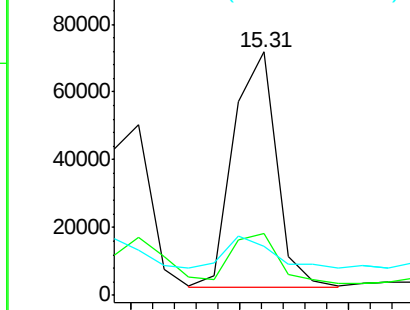
Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.7	18.2	27.4
125	20.2	10.4	15.6

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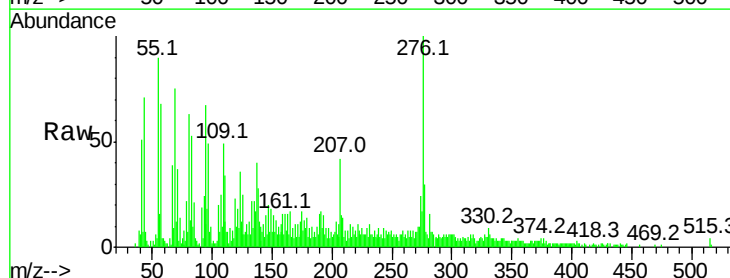


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.15 ng
RT: 17.14 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF091609.D
Acq: 15 Dec 2016 2:43

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	29.8	19.0	28.4
138	28.0	15.4	23.0



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

