

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121516\
 Data File : BF091647.D
 Acq On : 15 Dec 2016 23:55
 Operator : UM/SJ
 Sample : H6007-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-12-5-10

Manual Integrations
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 12/16/2016 6:22:35 PM

Quant Time: Dec 16 01:34:32 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	279132	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	1045922	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	552759	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	566116	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	514604	20.00	ng	0.00
86) Perylene-d12	15.35	264	494936	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1619334	97.74	ng	0.01
7) Phenol-d6	6.43	99	1997876	96.73	ng	0.00
23) Nitrobenzene-d5	7.34	82	1566688	83.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	424872	92.54	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1938174	60.59	ng	0.00
78) Terphenyl-d14	12.89	244	1398138	61.65	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.44	94	107618	4.46	ng	80
49) Dimethylphthalate	9.55	163	466776	13.34	ng	99
70) Phenanthrene	11.32	178	319142	11.38	ng	98
71) Anthracene	11.38	178	76223	2.52	ng	98
74) Fluoranthene	12.51	202	650365	22.16	ng	95
77) Pyrene	12.74	202	619268	15.17	ng	98
80) Benzo(a)anthracene	13.93	228	254105	8.50	ng	97
82) Chrysene	13.96	228	252592m	8.08	ng	
85) Indeno(1,2,3-cd)pyrene	16.69	276	119675	4.25	ng	97
87) Benzo(b)fluoranthene	14.95	252	319040m	10.81	ng	
88) Benzo(k)fluoranthene	14.96	252	143273m	5.52	ng	
89) Benzo(a)pyrene	15.29	252	240976	9.07	ng	99
91) Benzo(a,h,i)perylene	17.11	276	105435	4.35	ng	96

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

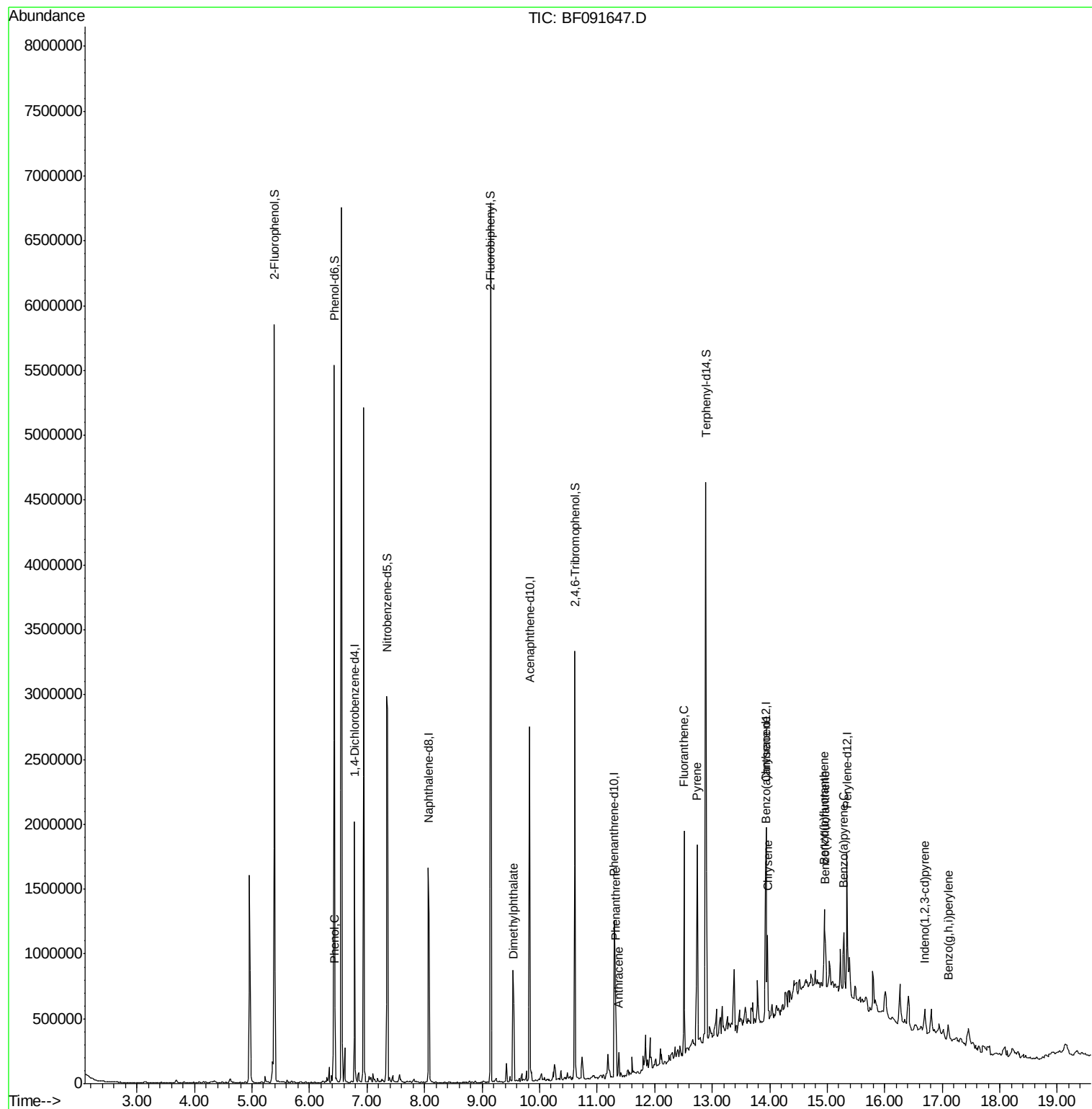
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121516\
Data File : BF091647.D
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Misc :
ALS Vial : 22 Sample Multiplier: 1

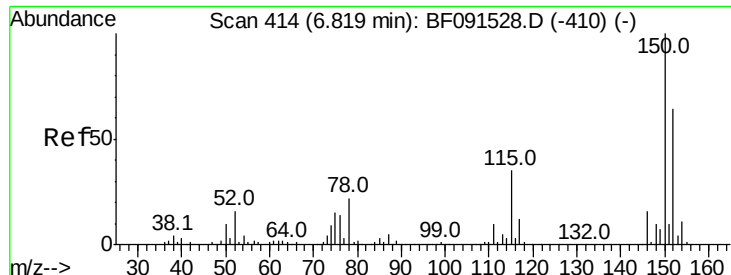
Instrument :
BNA_F
ClientSampleId :
WC-12-5-10

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Quant Time: Dec 16 01:34:32 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 16 00:35:41 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF091647.D

Acq: 15 Dec 2016 23:55

Instrument :

BNA_F

ClientSampleId :

WC-12-5-10

Tot Ion:152 Resp: 279132

Ion Ratio Lower Upper

152 100

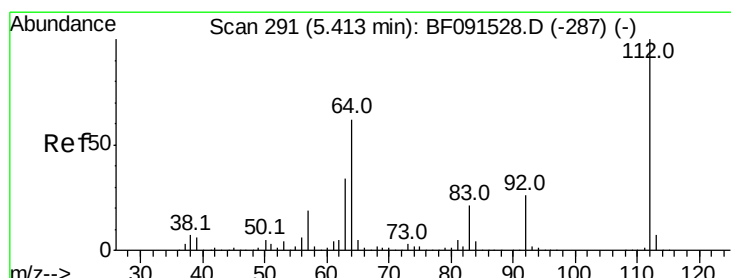
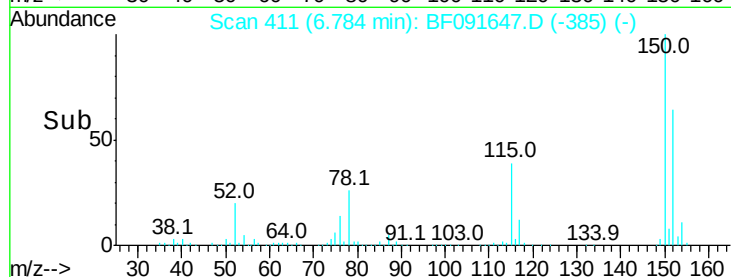
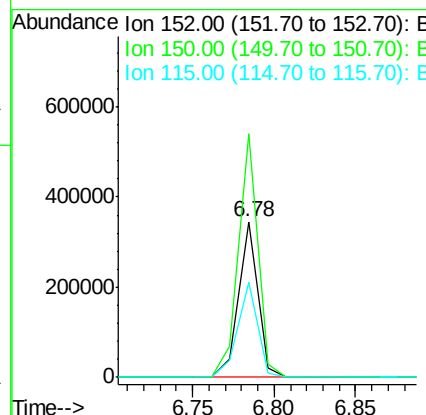
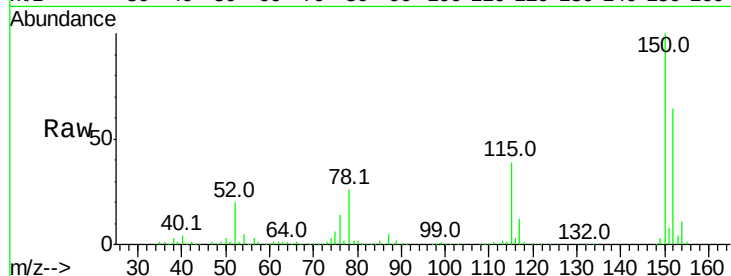
150 156.7 122.5 183.7

115 61.3 51.8 77.8

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#5

2-Fluorophenol

Concen: 97.74 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF091647.D

Acq: 15 Dec 2016 23:55

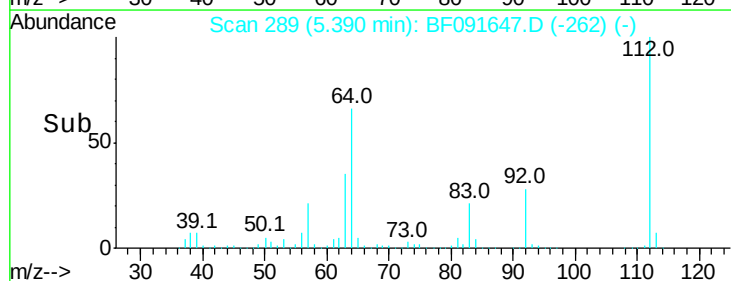
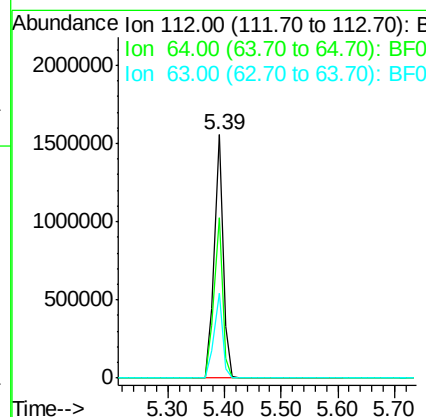
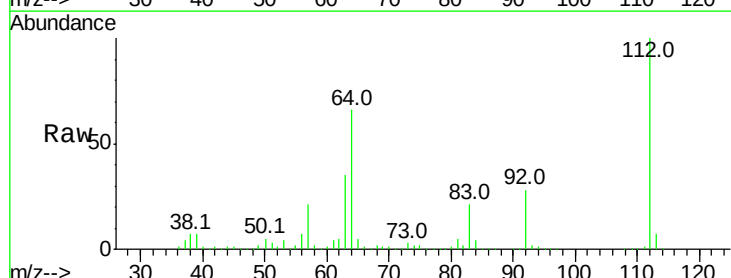
Tgt Ion:112 Resp: 1619334

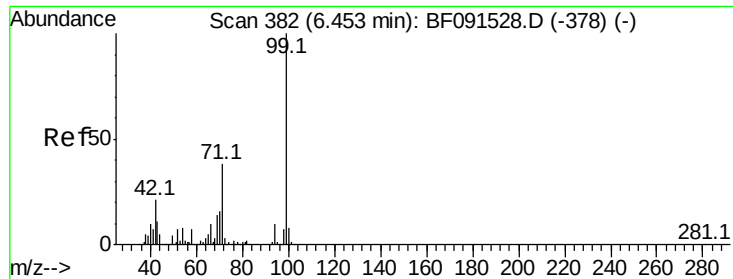
Ion Ratio Lower Upper

112 100

64 66.0 61.5 92.3

63 34.8 33.3 49.9





#7

Phenol-d6

Concen: 96.73 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF091647.D

Acq: 15 Dec 2016 23:55

Instrument :

BNA_F

ClientSampleId :

WC-12-5-10

Tot Ion: 99 Resp: 1997876

Ion Ratio Lower Upper

99 100

42 20.8 20.6 31.0

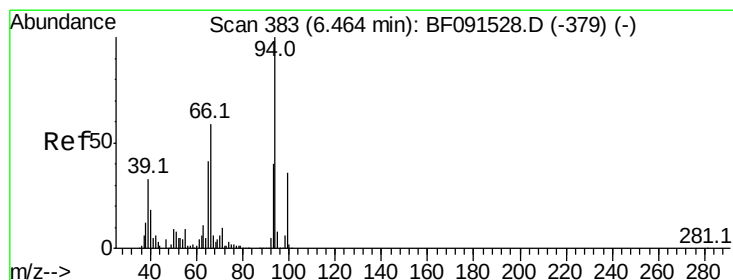
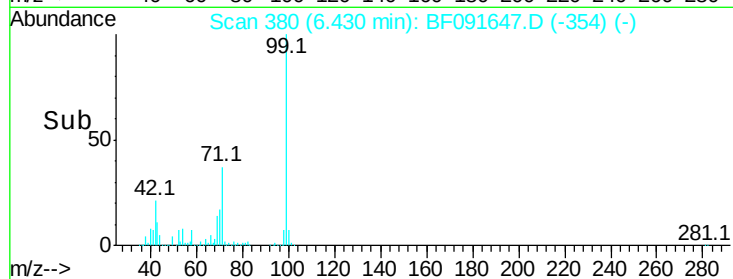
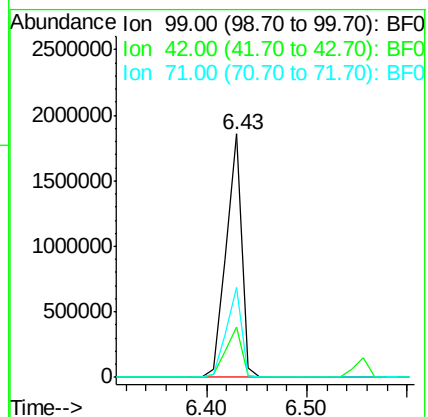
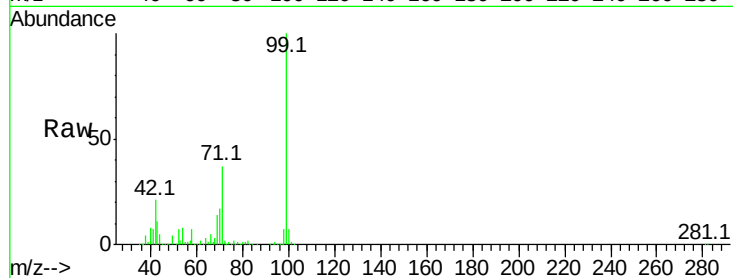
71 37.2 29.9 44.9

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#10

Phenol

Concen: 4.46 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF091647.D

Acq: 15 Dec 2016 23:55

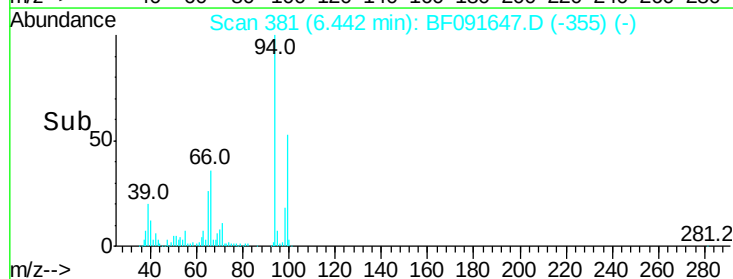
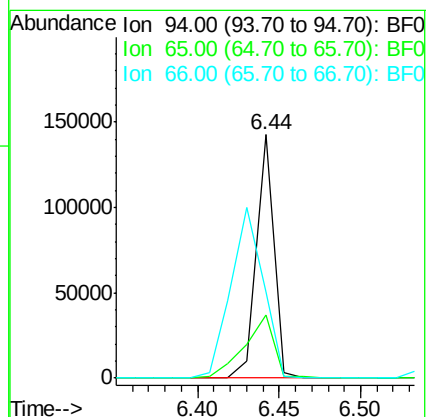
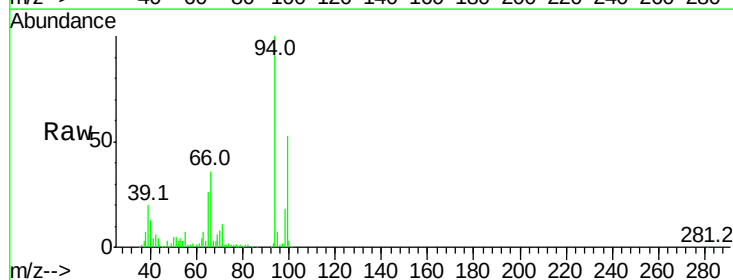
Tgt Ion: 94 Resp: 107618

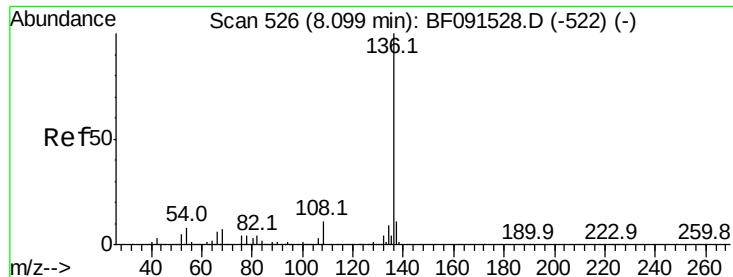
Ion Ratio Lower Upper

94 100

65 25.9 16.9 56.9

66 35.6 30.6 70.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF091647.D

Acq: 15 Dec 2016 23:55

Instrument :

BNA_F

ClientSampled :

WC-12-5-10

Tot Ion: 136 Resp: 1045922

Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 10.7 9.1 13.7

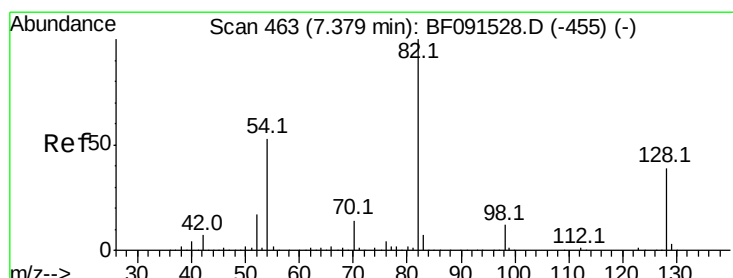
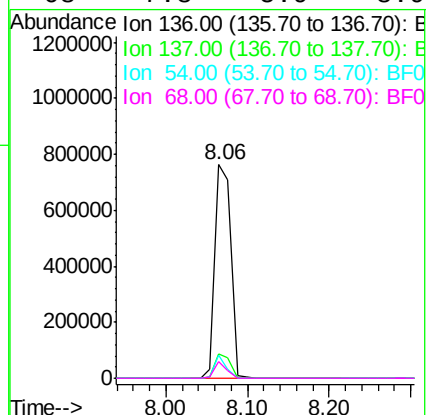
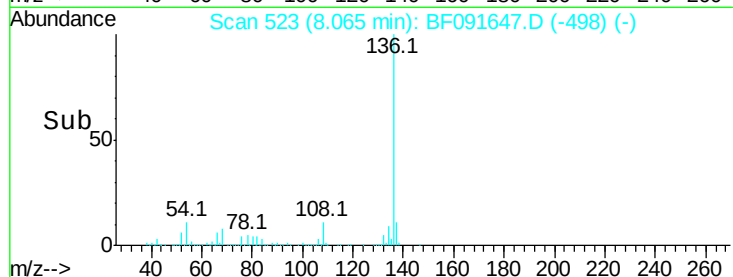
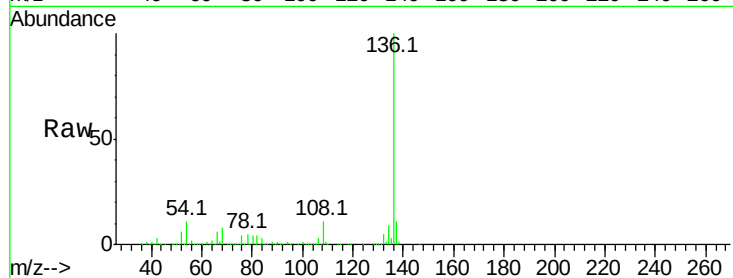
68 7.8 5.9 8.9

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#23

Nitrobenzene-d5

Concen: 83.60 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF091647.D

Acq: 15 Dec 2016 23:55

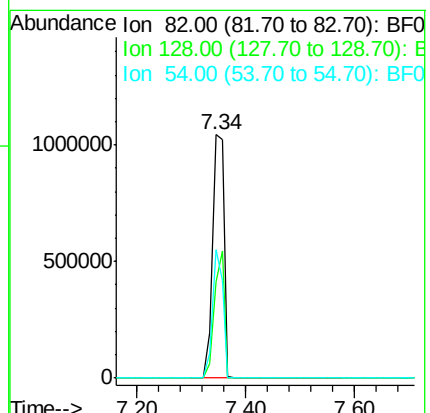
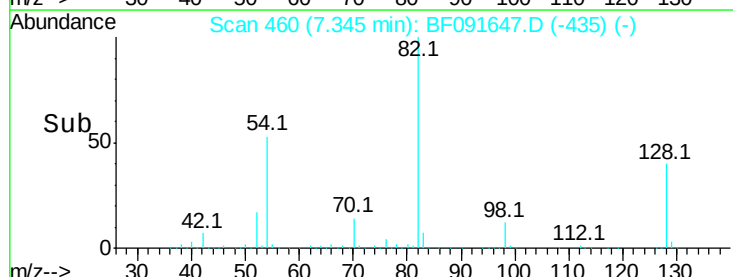
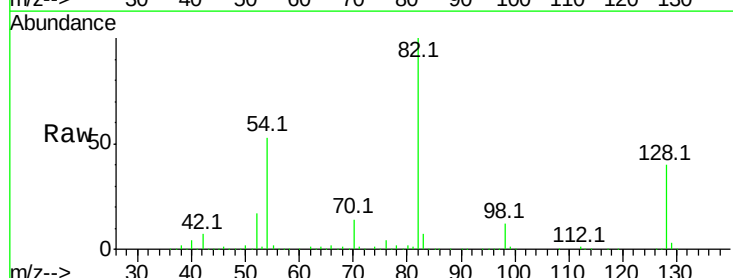
Tgt Ion: 82 Resp: 1566688

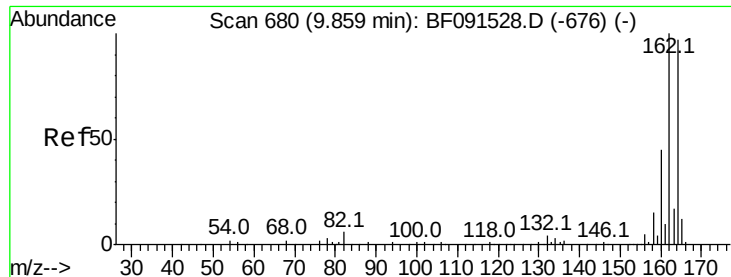
Ion Ratio Lower Upper

82 100

128 39.7 31.8 47.6

54 52.7 49.1 73.7





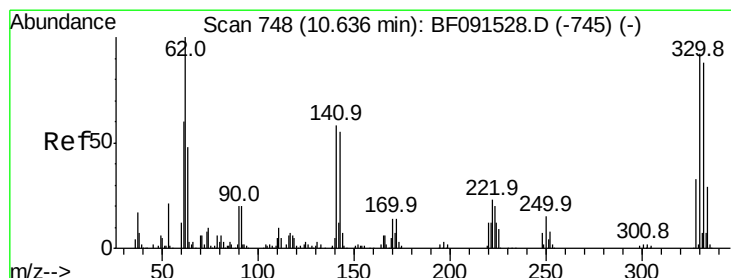
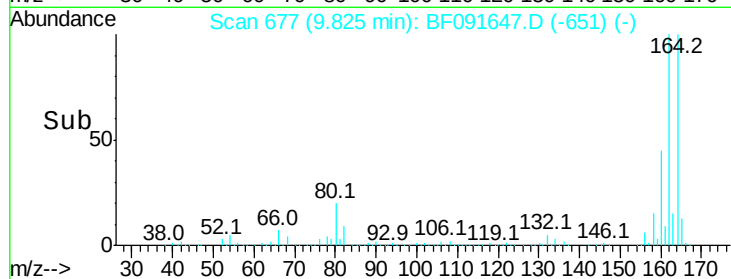
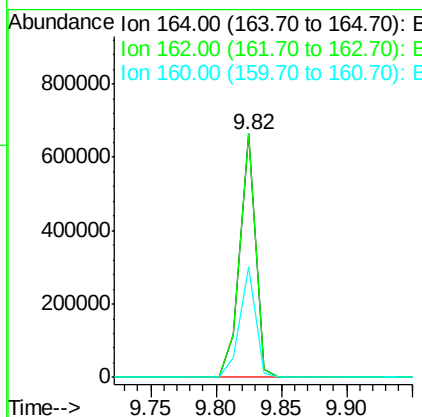
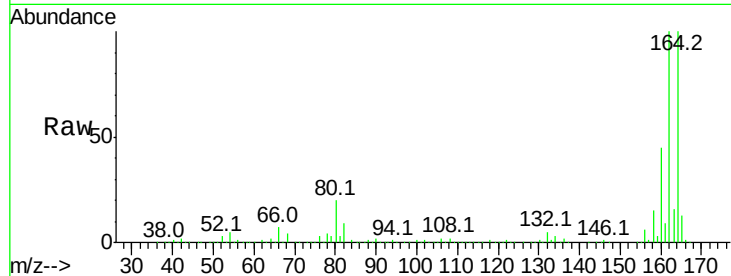
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: BF091647.D
 Acq: 15 Dec 2016 23:55

Instrument :
 BNA_F
 ClientSampleId :
 WC-12-5-10

Tot Ion:	164	Resp:	552759
Ion Ratio	Lower	Upper	
164	100		
162	100.1	82.6	124.0
160	45.5	36.7	55.1

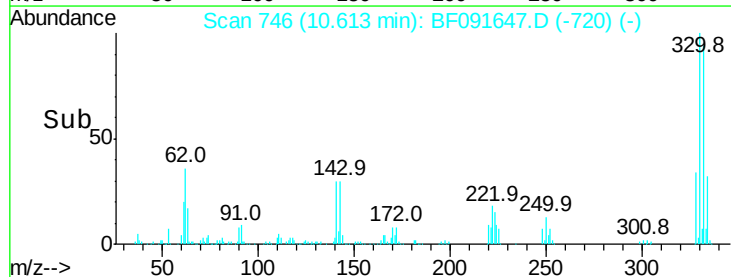
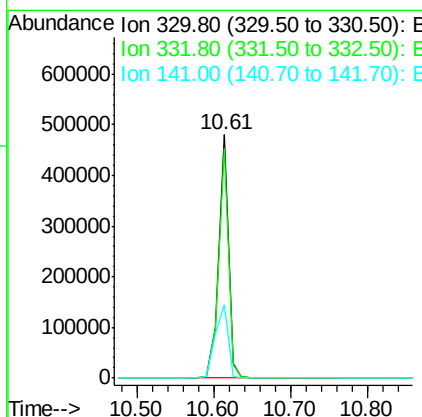
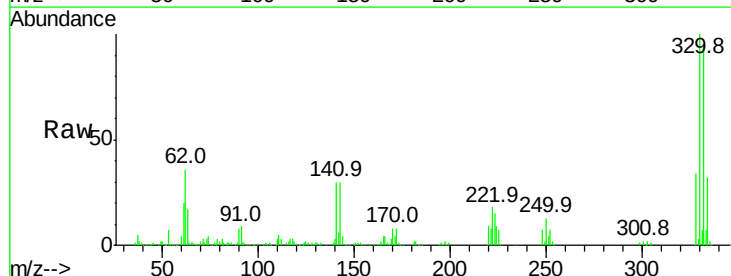
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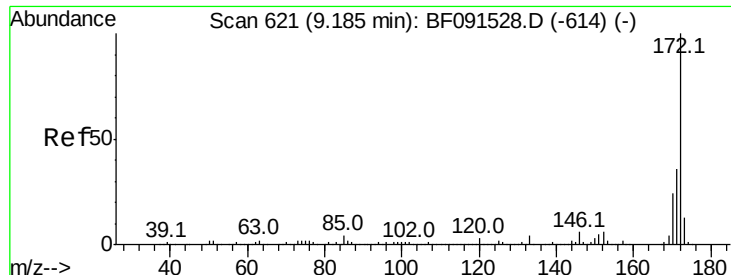
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#41
 2,4,6-Tribromophenol
 Concen: 92.54 ng
 RT: 10.61 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: BF091647.D
 Acq: 15 Dec 2016 23:55

Tgt Ion:	330	Resp:	424872
Ion Ratio	Lower	Upper	
330	100		
332	94.8	76.2	114.4
141	39.1	33.6	50.4





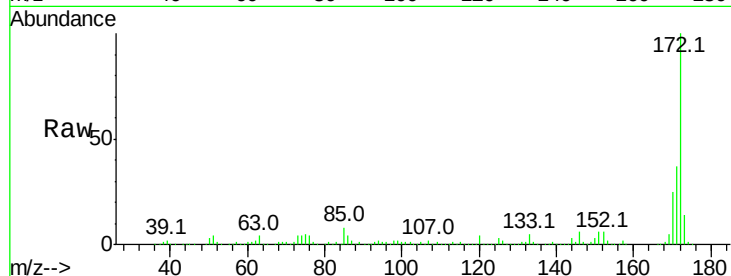
#44
2-Fluorobiphenyl
Concen: 60.59 ng
RT: 9.15 min Scan# 618
Delta R.T. 0.00 min
Lab File: BF091647.D
Acq: 15 Dec 2016 23:55

Instrument :
BNA_F
ClientSampleId :
WC-12-5-10

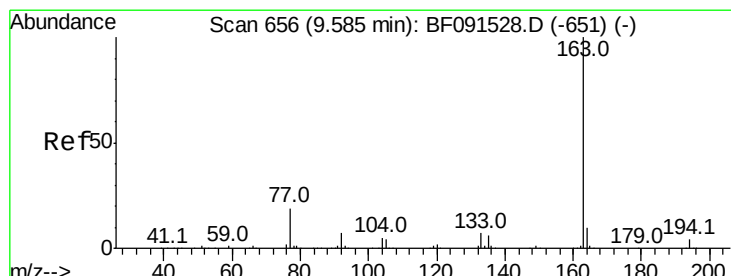
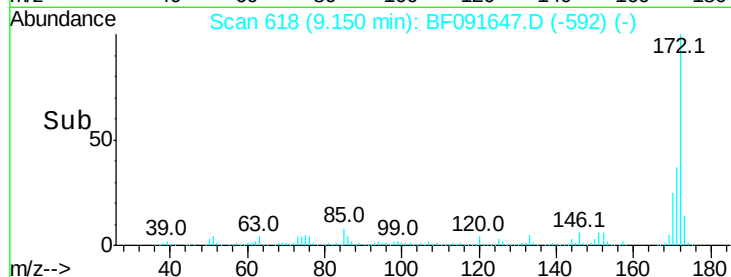
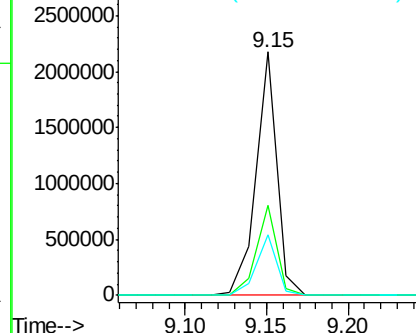
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.4	44.0
170	24.9	19.7	29.5

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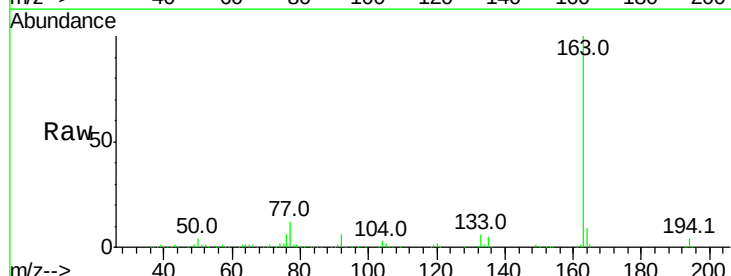


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

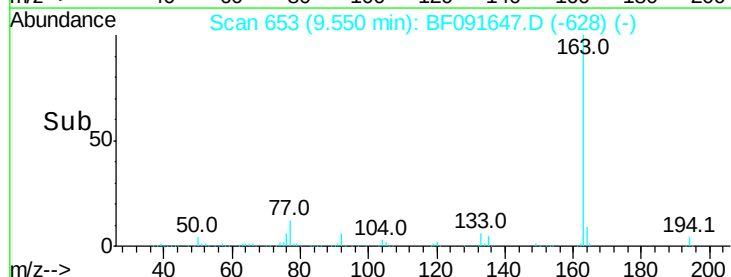
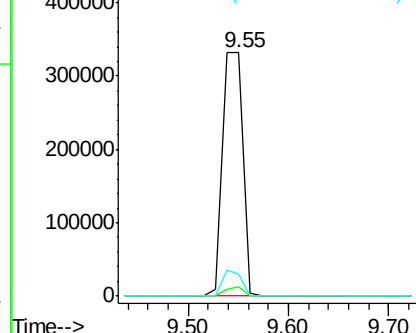


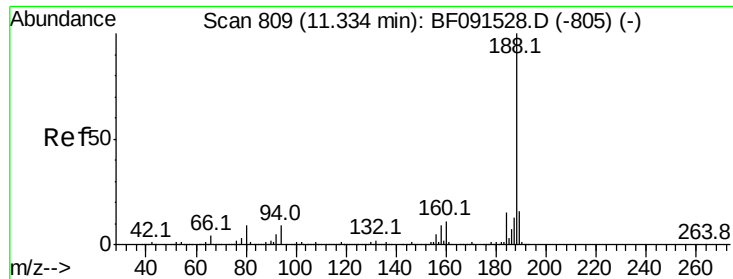
#49
Dimethylphthalate
Concen: 13.34 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF091647.D
Acq: 15 Dec 2016 23:55

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	9.3	7.8	11.8



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





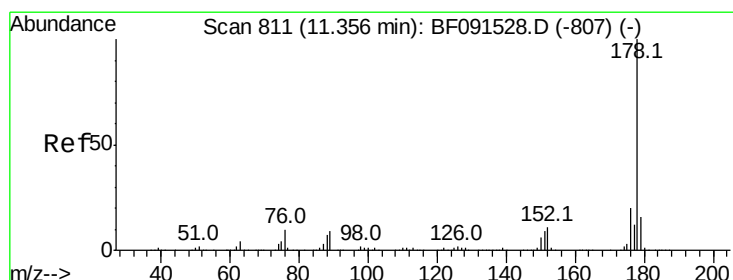
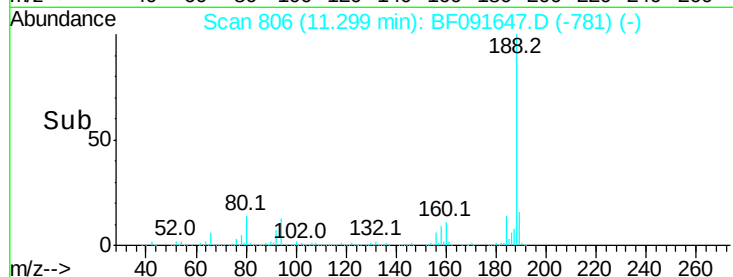
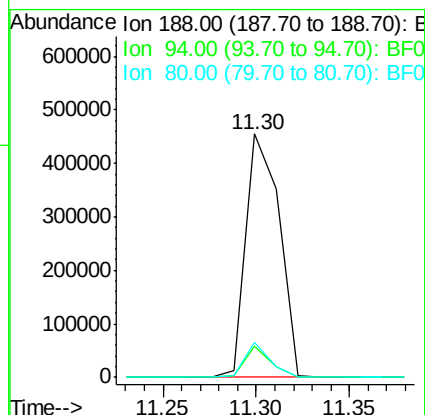
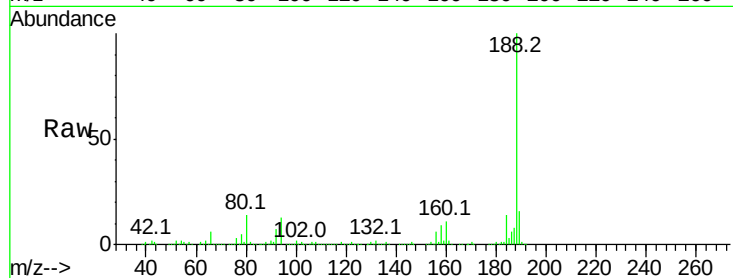
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF091647.D
Acq: 15 Dec 2016 23:55

Instrument :
BNA_F
ClientSampleId :
WC-12-5-10

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	12.9	9.2	13.8
80	14.2	10.5	15.7

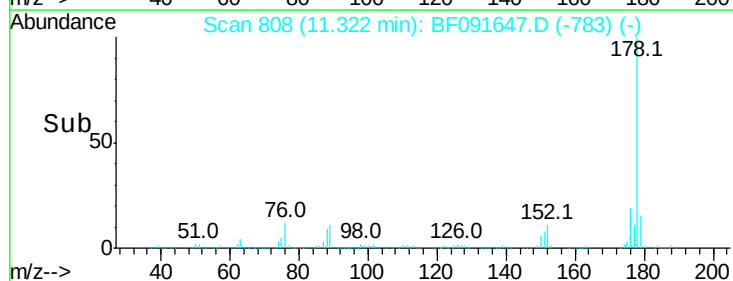
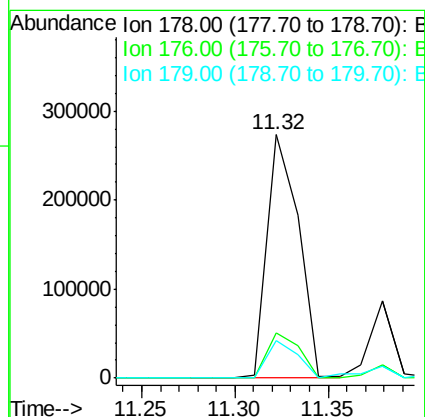
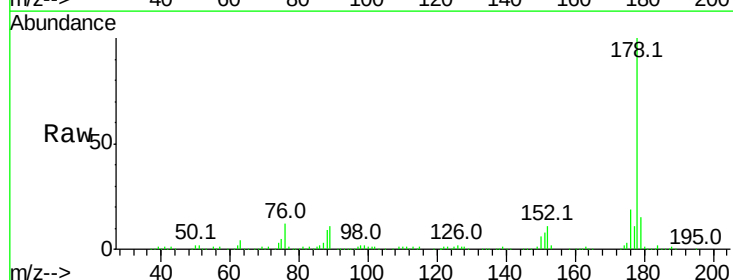
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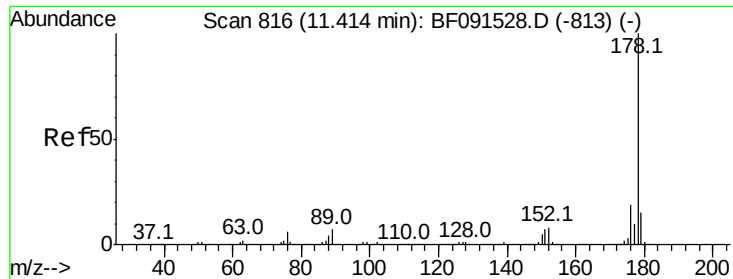
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#70
Phenanthrene
Concen: 11.38 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF091647.D
Acq: 15 Dec 2016 23:55

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.6	15.9	23.9
179	15.4	12.6	18.8





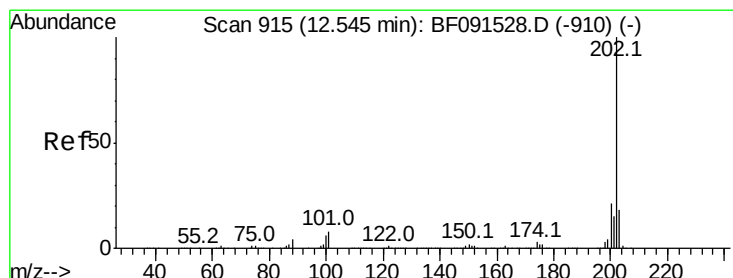
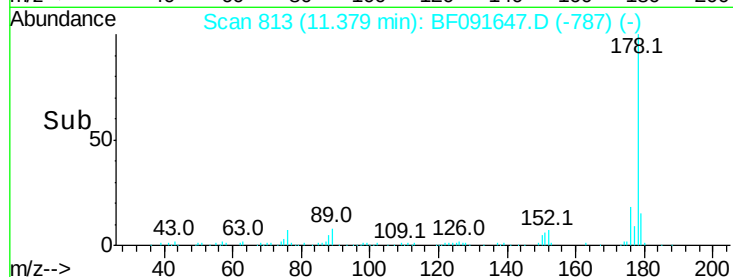
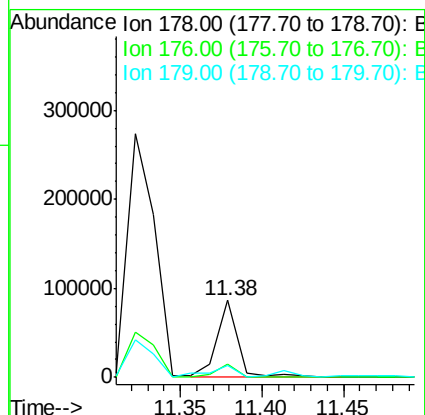
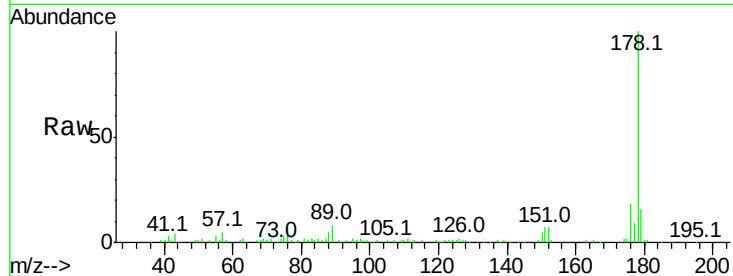
#71
 Anthracene
 Concen: 2.52 ng
 RT: 11.38 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF091647.D
 Acq: 15 Dec 2016 23:55

Instrument :
 BNA_F
 ClientSampleId :
 WC-12-5-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.6
179	15.7	12.7	19.1

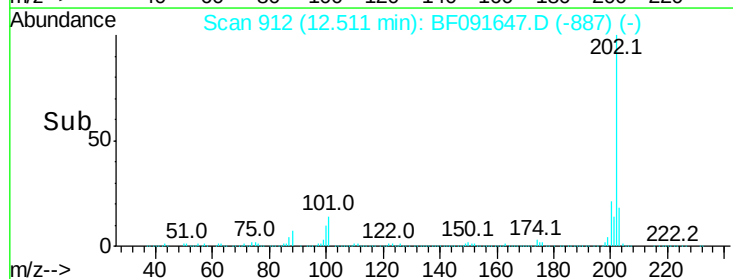
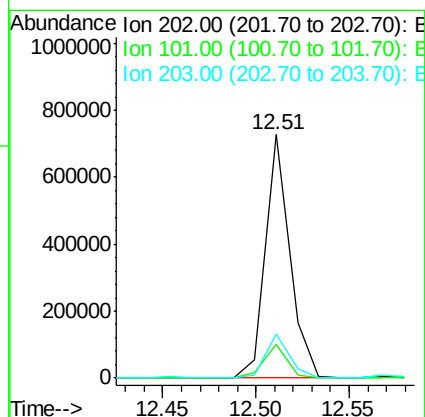
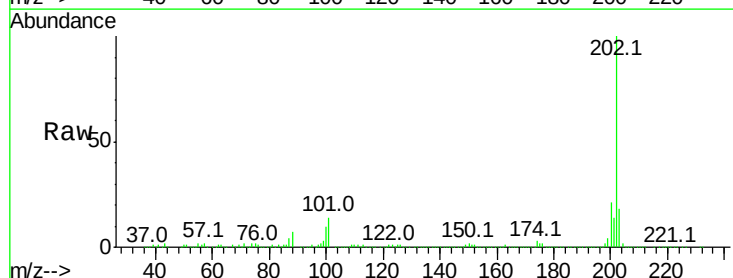
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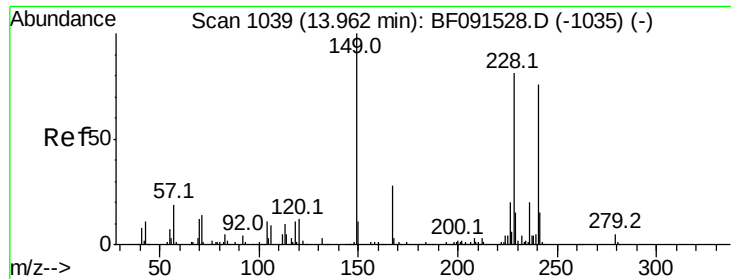
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#74
 Fluoranthene
 Concen: 22.16 ng
 RT: 12.51 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF091647.D
 Acq: 15 Dec 2016 23:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	29.5
203	18.1	0.0	37.8





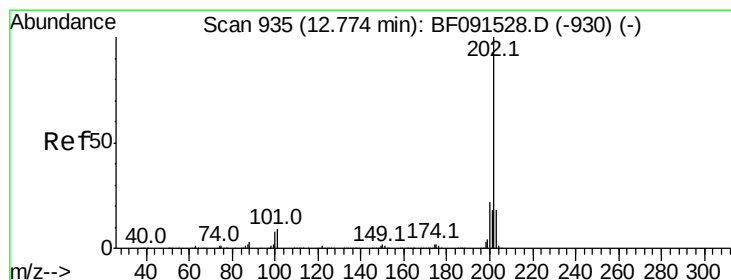
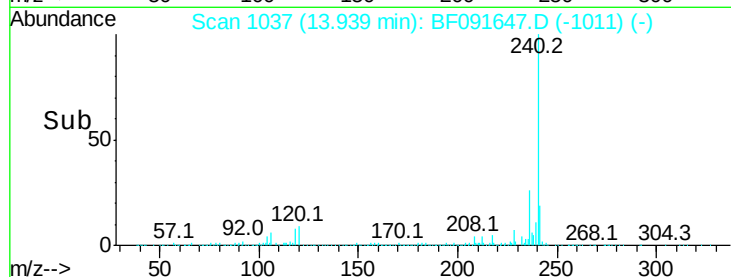
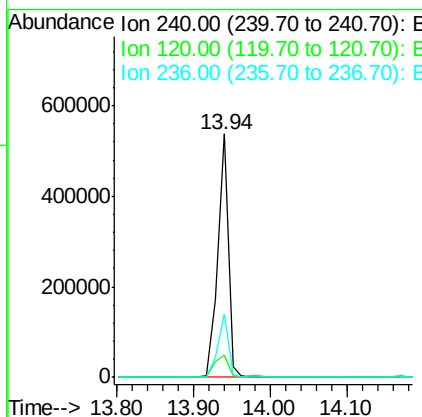
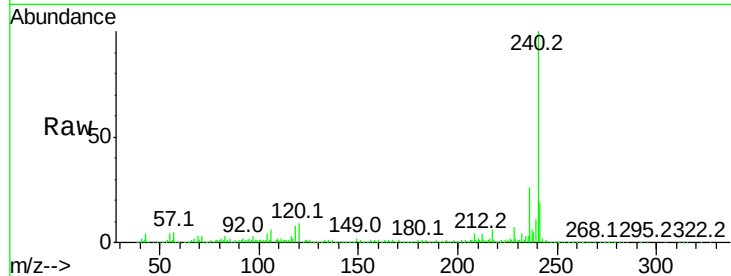
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BF091647.D
Acq: 15 Dec 2016 23:55

Instrument :
BNA_F
ClientSampleId :
WC-12-5-10

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.9	12.1	18.1#
236	25.7	21.0	31.6

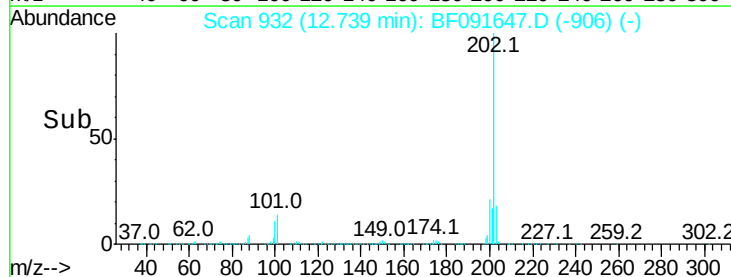
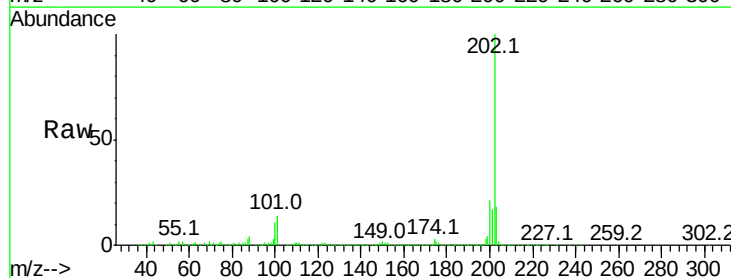
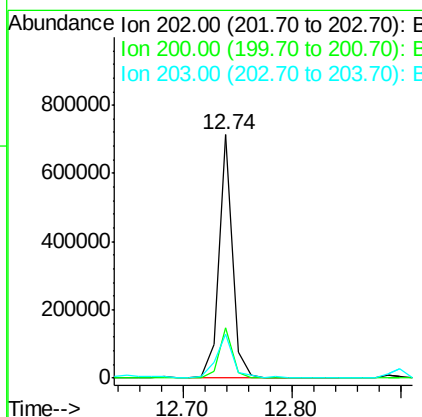
Manual Integrations
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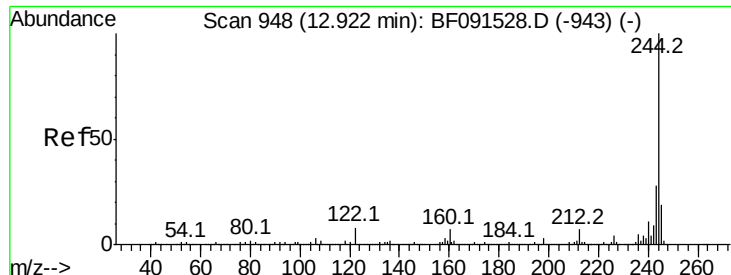
UMANGI
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#77
Pyrene
Concen: 15.17 ng
RT: 12.74 min Scan# 932
Delta R.T. 0.00 min
Lab File: BF091647.D
Acq: 15 Dec 2016 23:55

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.6	26.4
203	18.2	14.0	21.0





#78

Terphenyl-d14

Concen: 61.65 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF091647.D

Acq: 15 Dec 2016 23:55

Instrument :

BNA_F

ClientSampleId :

WC-12-5-10

Tot Ion:244 Resp: 1398138

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

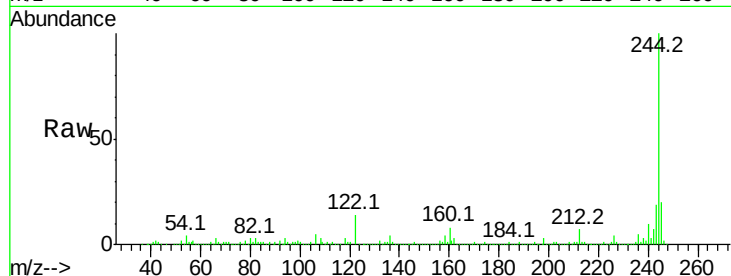
122 14.2 9.5 14.3

Manual Integrations

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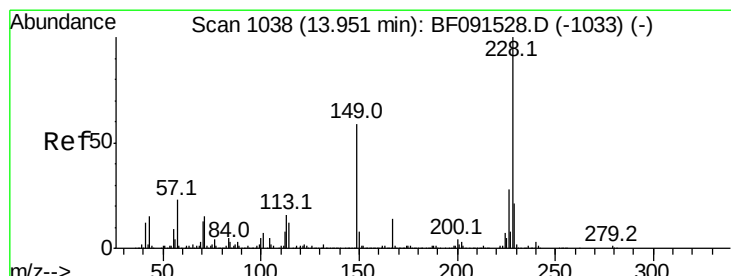
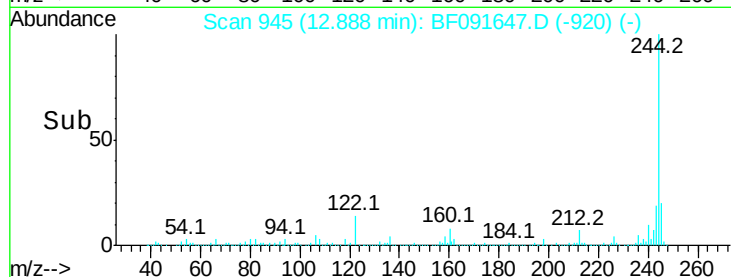
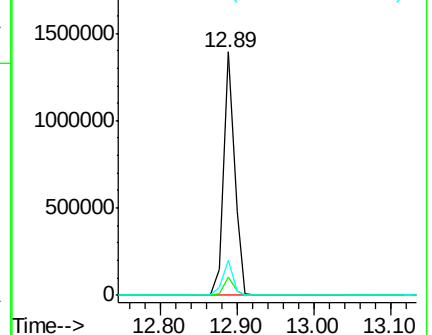
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 8.50 ng

RT: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF091647.D

Acq: 15 Dec 2016 23:55

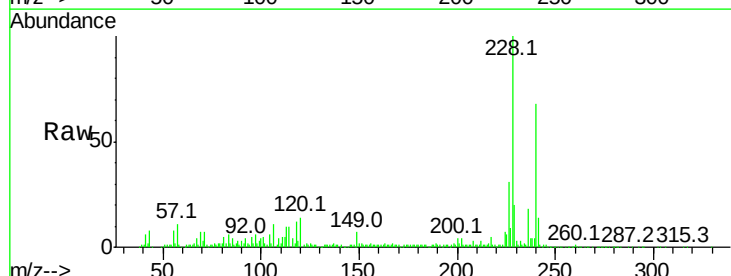
Tgt Ion:228 Resp: 254105

Ion Ratio Lower Upper

228 100

226 30.7 22.5 33.7

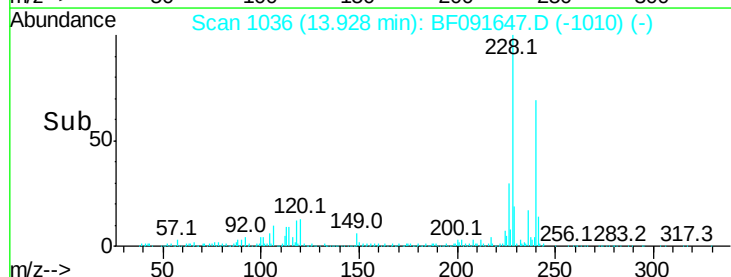
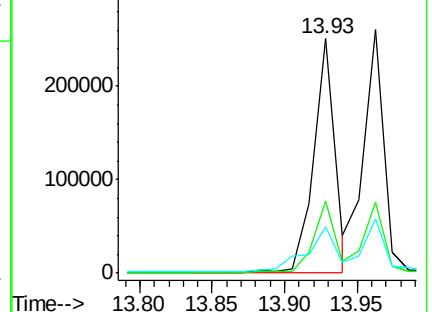
229 20.1 16.4 24.6

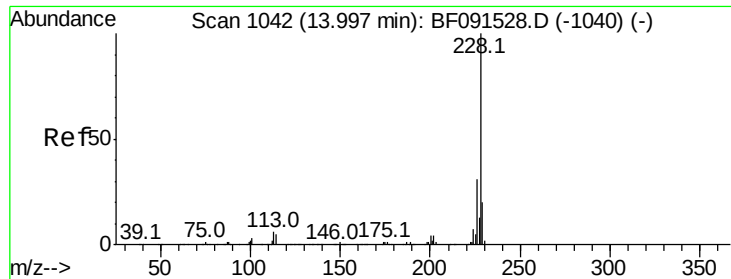


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





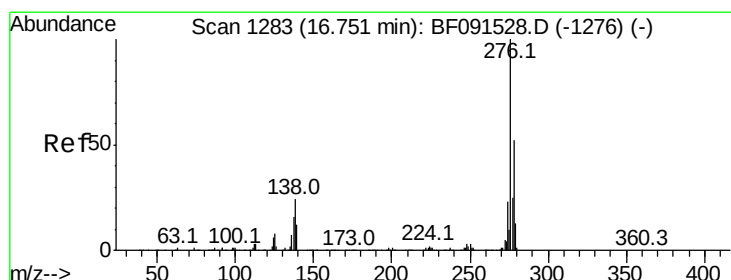
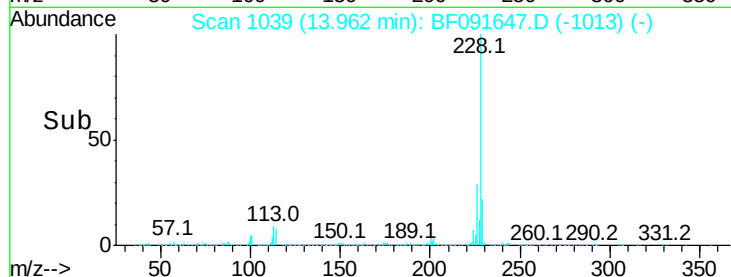
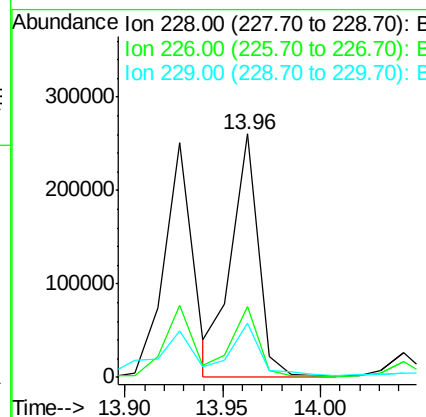
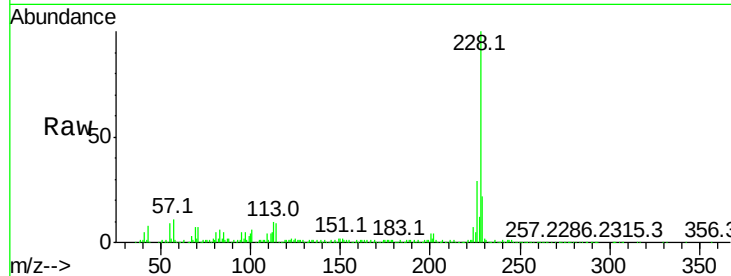
#82
Chrysene
Concen: 8.08 ng/mL
RT: 13.96 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BF091647.D
Acq: 15 Dec 2016 23:55

Instrument :
BNA_F
ClientSampleId :
WC-12-5-10

Tot Ion:	228	Resp:	252592
Ion Ratio	Lower	Upper	
228	100		
226	28.9	25.0	37.4
229	22.3	16.0	24.0

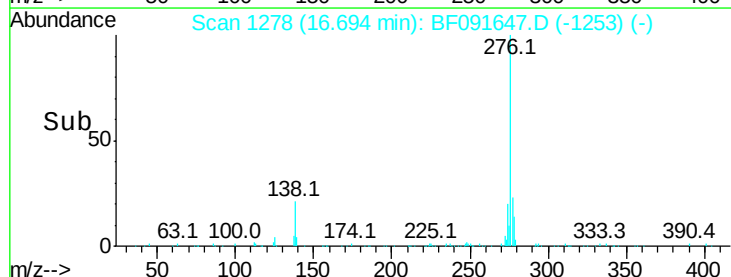
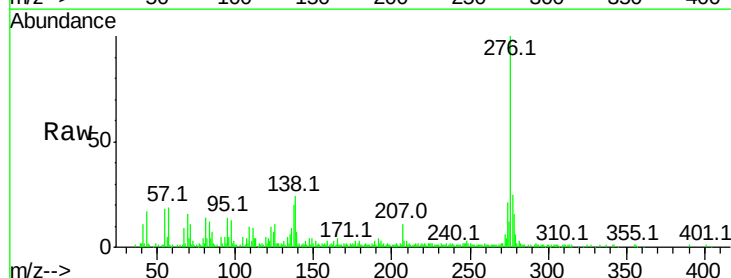
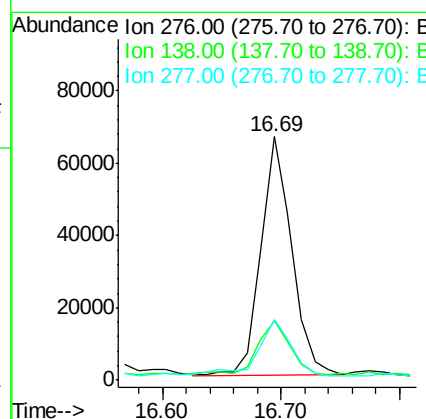
Manual Integrations
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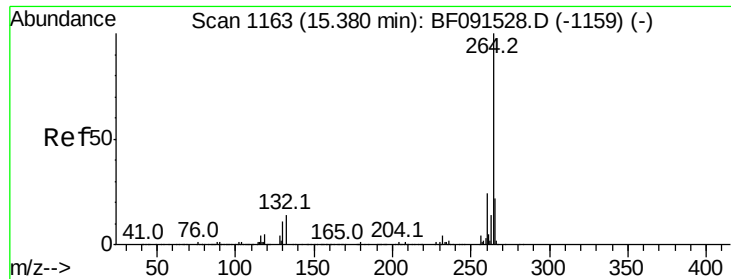
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.25 ng/mL
RT: 16.69 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF091647.D
Acq: 15 Dec 2016 23:55

Tgt Ion:	276	Resp:	119675
Ion Ratio	Lower	Upper	
276	100		
138	25.8	21.0	31.4
277	27.7	20.2	30.2





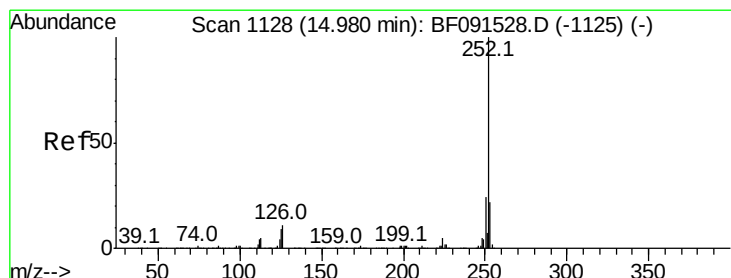
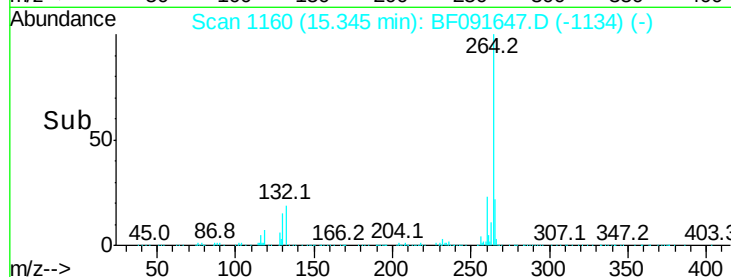
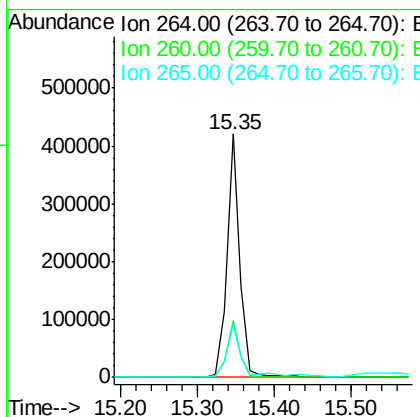
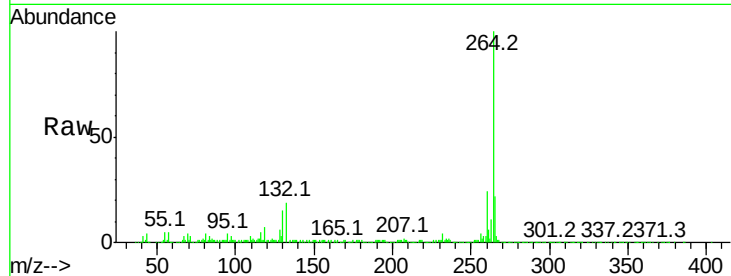
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BF091647.D
Acq: 15 Dec 2016 23:55

Instrument :
BNA_F
ClientSampleId :
WC-12-5-10

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.5	18.8	28.2	
265	21.9	17.0	25.6	

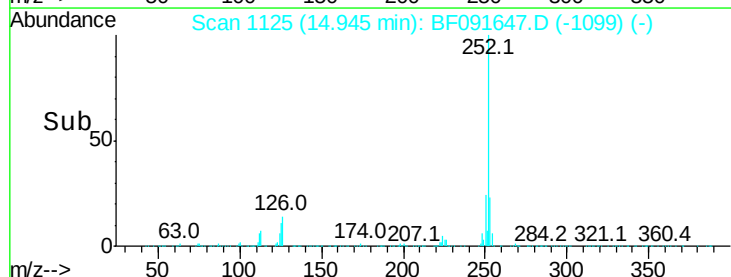
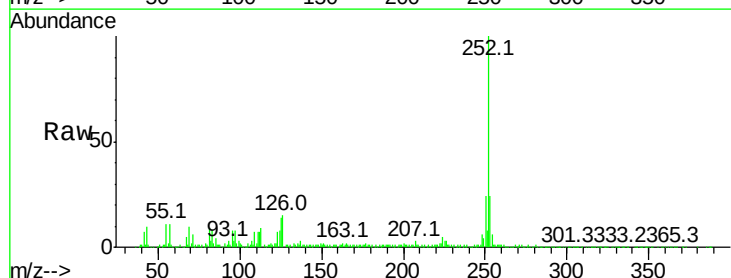
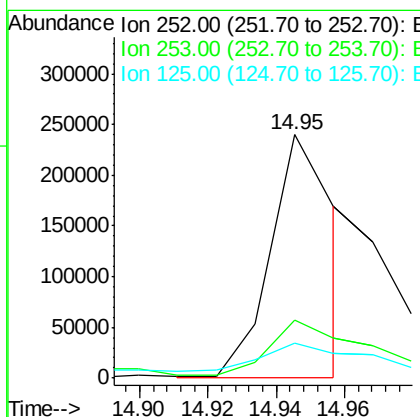
Manual Integrations
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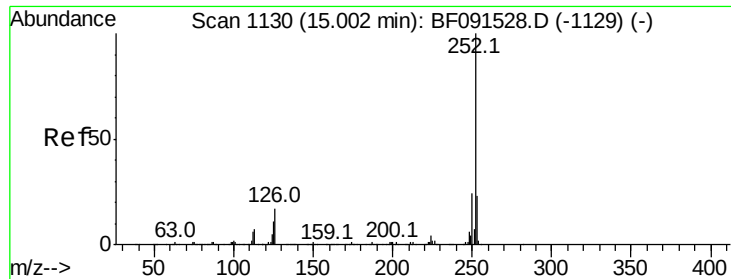
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#87
Benzo(b)fluoranthene
Concen: 10.81 ng m
RT: 14.95 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BF091647.D
Acq: 15 Dec 2016 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.7	18.2	27.2	
125	14.2	8.6	13.0	





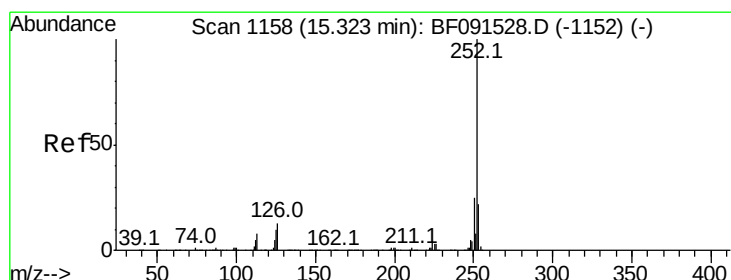
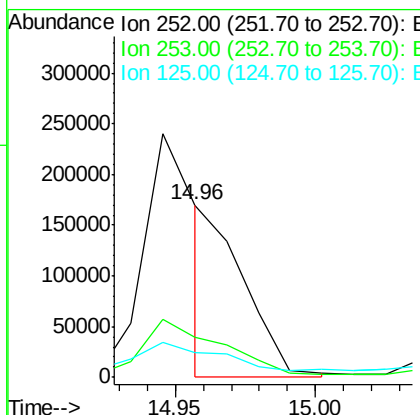
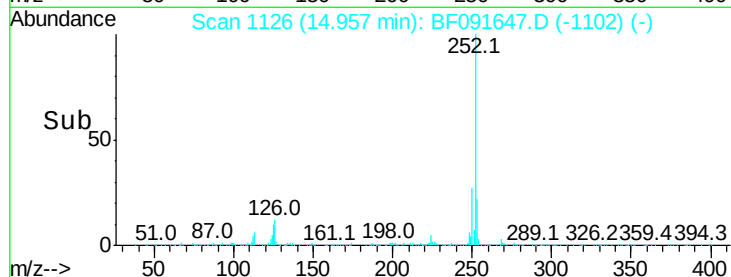
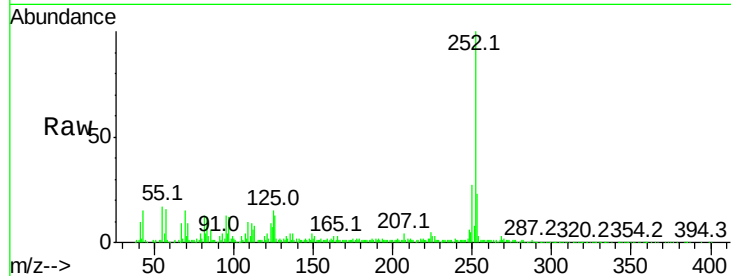
#88
Benzo(k)fluoranthene
Concen: 5.52 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF091647.D
Acq: 15 Dec 2016 23:55

Instrument :
BNA_F
ClientSampleId :
WC-12-5-10

Tot Ion	Ratio	Resp	Lower	Upper
252	100	143273		
253	23.0		17.8	26.8
125	14.6		9.6	14.4

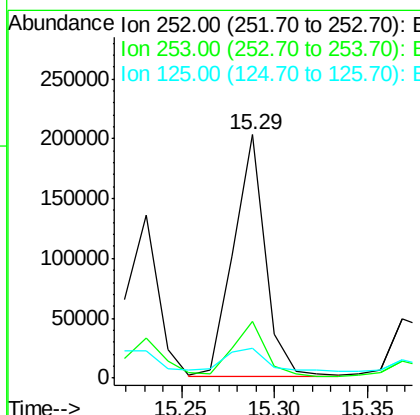
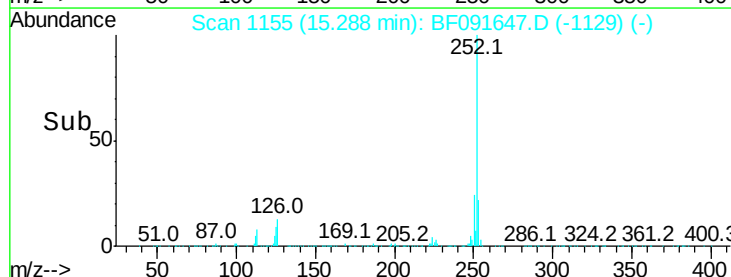
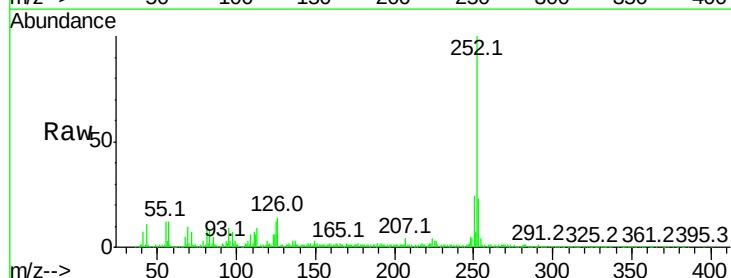
Manual Integrations
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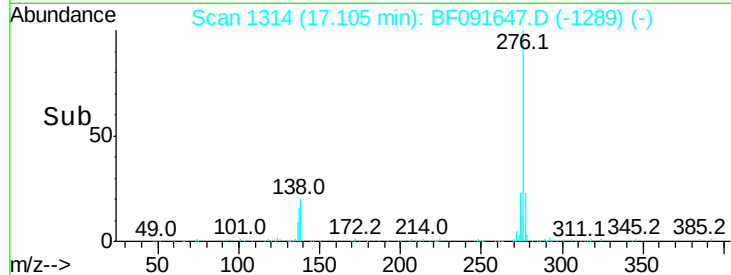
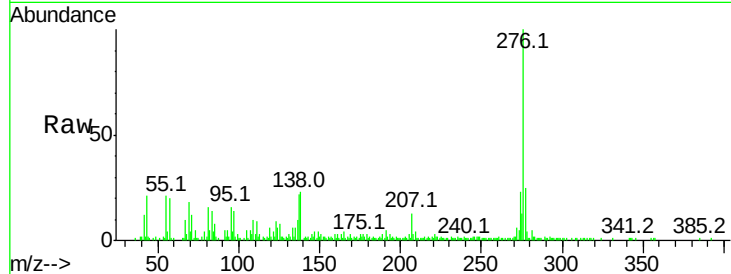
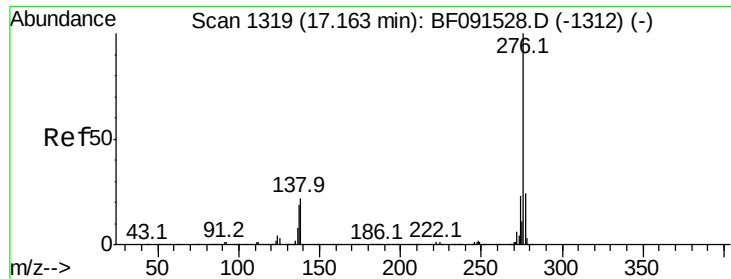
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#89
Benzo(a)pyrene
Concen: 9.07 ng
RT: 15.29 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF091647.D
Acq: 15 Dec 2016 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	240976		
253	23.1		18.2	27.4
125	12.2		10.4	15.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.35 ng
 RT: 17.11 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF091647.D
 Acq: 15 Dec 2016 23:55

Instrument :
 BNA_F
 ClientSampleId :
 WC-12-5-10

Tot Ion:	276	Resp:	105435
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.0	28.4
138	22.7	15.4	23.0

Manual Integrations
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