

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110815\
 Data File : BF082803.D
 Acq On : 7 Nov 2015 11:35
 Operator : UM/IZ
 Sample : G4257-15
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WABUT-8(0-2)

Manual Integrations
 APPROVED

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 11/9/2015 2:08:27 PM

Quant Time: Nov 09 00:36:44 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	257666	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1002088	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	483671	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	861917	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	649354	20.00	ng	-0.01
86) Perylene-d12	15.44	264	571007	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1750803	105.72	ng	0.01
7) Phenol-d6	6.49	99	2532963	115.05	ng	0.01
23) Nitrobenzene-d5	7.41	82	1714346	74.44	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	555932	100.24	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2537876	75.20	ng	0.00
78) Terphenyl-d14	12.96	244	1883764	68.81	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.61	163	746512	18.84	ng	99
70) Phenanthrene	11.39	178	1056373	21.10	ng	99
74) Fluoranthene	12.58	202	1145531	21.33	ng	98
77) Pyrene	12.81	202	1126380	25.26	ng	99
80) Benzo(a)anthracene	14.00	228	303270	7.47	ng	94
82) Chrysene	14.03	228	371353	9.98	ng	97
85) Indeno(1,2,3-cd)pyrene	16.81	276	118069	3.69	ng	97
87) Benzo(b)fluoranthene	15.03	252	270421m	7.38	ng	
88) Benzo(k)fluoranthene	15.04	252	113255m	3.48	ng	
89) Benzo(a)pyrene	15.37	252	185852	5.85	ng	# 97
91) Benzo(g,h,i)perylene	17.23	276	120034	4.66	ng	97

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

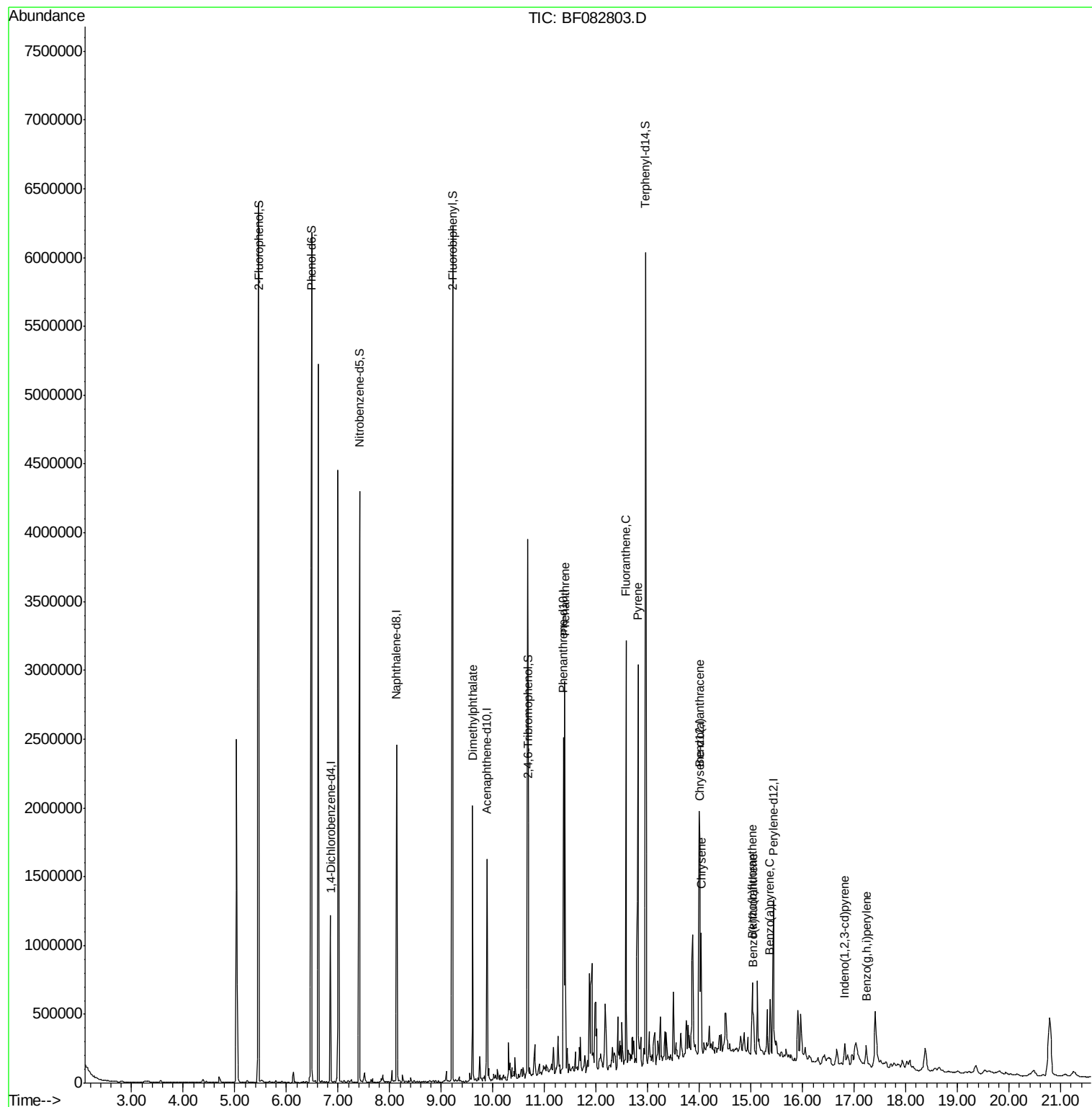
Data Path : Z:\HPCHEM1\BNA F\DATA\BF110815\
Data File : BF082803.D
Acq On : 7 Nov 2015 11:35
Operator : UM/IZ
Sample : G4257-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

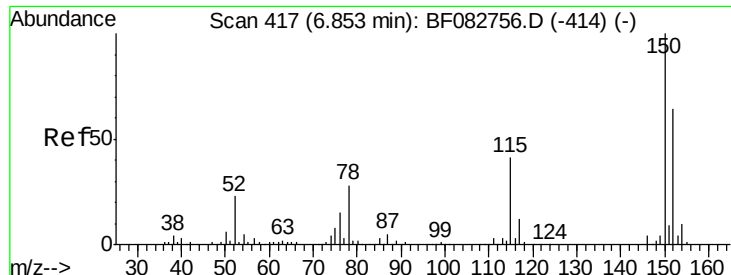
Instrument :
BNA_F
ClientSampleId :
WABUT-8(0-2)

Manual Integrations
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Quant Time: Nov 09 00:36:44 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 07 02:32:49 2015
Response via : Initial Calibration





#1

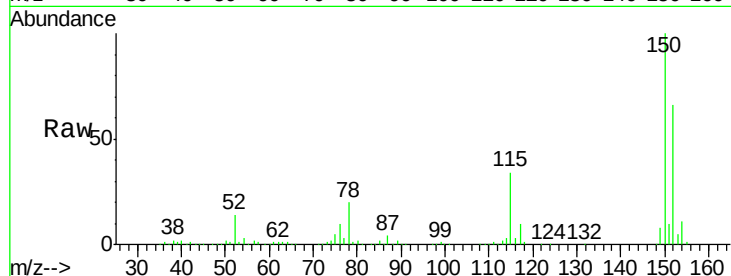
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF082803.D
Acq: 7 Nov 2015 11:35

Instrument :
BNA_F
ClientSampleId :
WABUT-8(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	127.0	190.4
115	51.7	47.0	70.6

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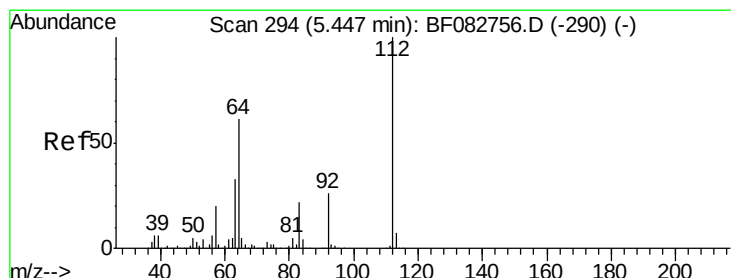
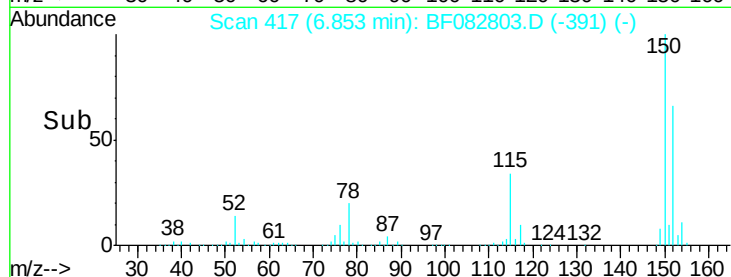
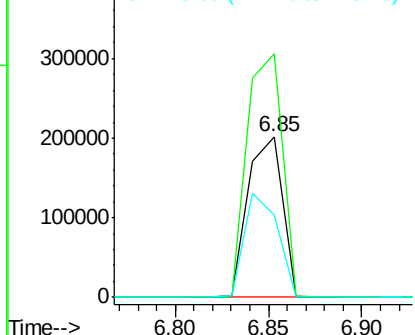


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

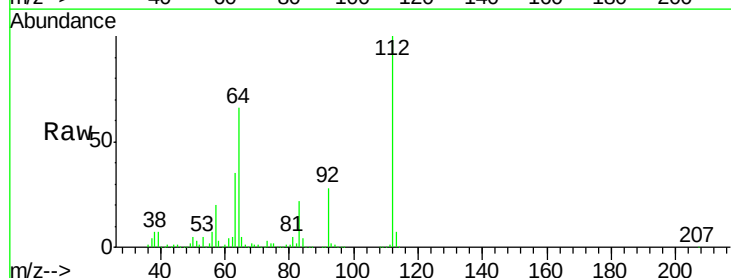
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 105.72 ng
RT: 5.46 min Scan# 295
Delta R.T. 0.01 min
Lab File: BF082803.D
Acq: 7 Nov 2015 11:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	48.9	73.3
63	35.0	28.1	42.1

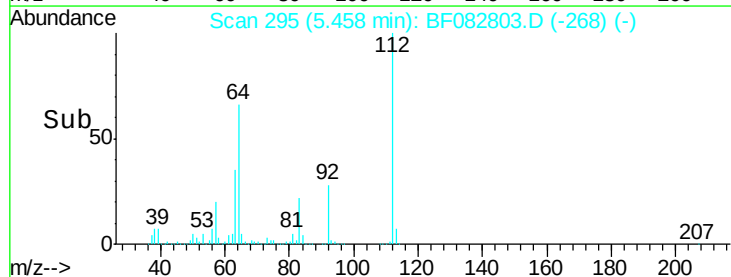
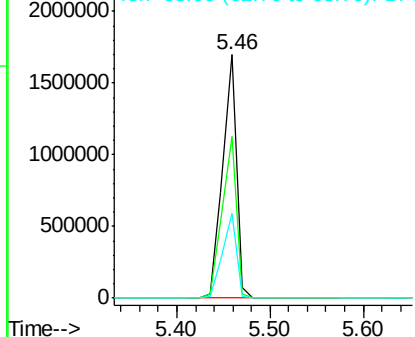


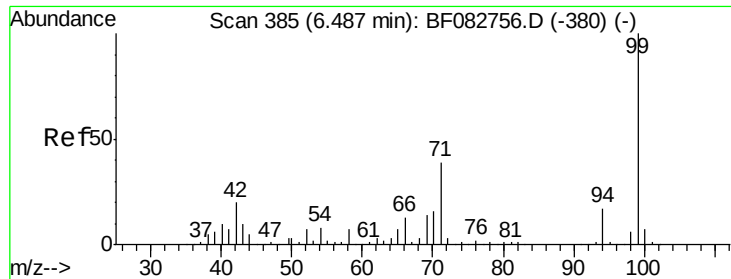
Abundance

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: 115.05 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Instrument :

BNA_F

ClientSampleId :

WABUT-8(0-2)

Tot Ion: 99 Resp: 2532963

Ion Ratio Lower Upper

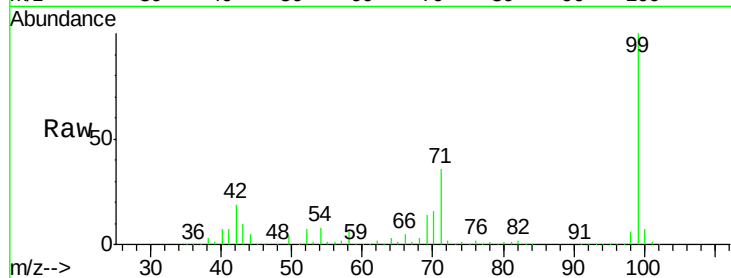
99 100

42 18.9 19.2 28.8#

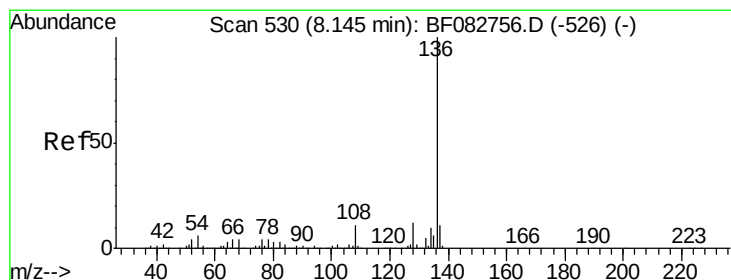
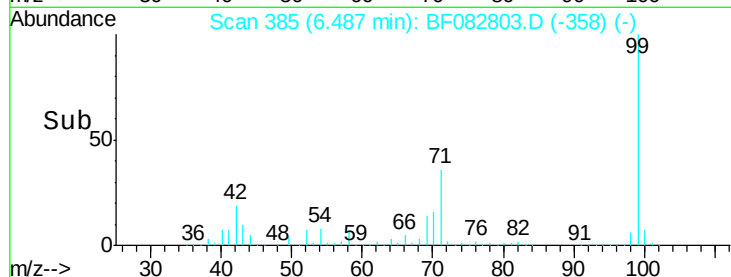
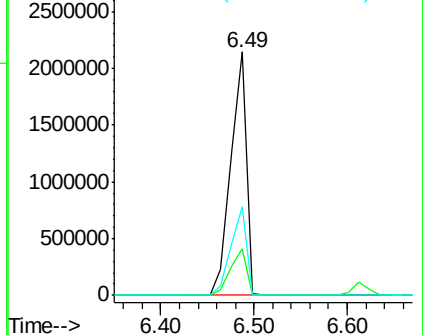
71 36.5 35.0 52.4

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Tgt Ion:136 Resp: 1002088

Ion Ratio Lower Upper

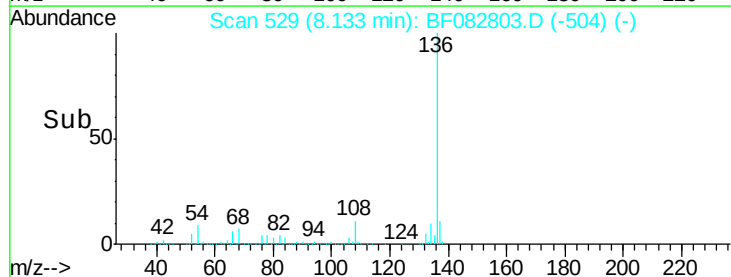
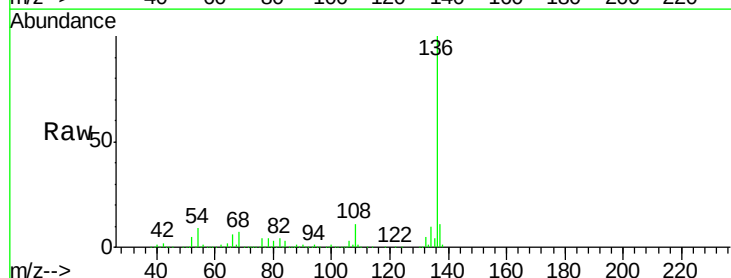
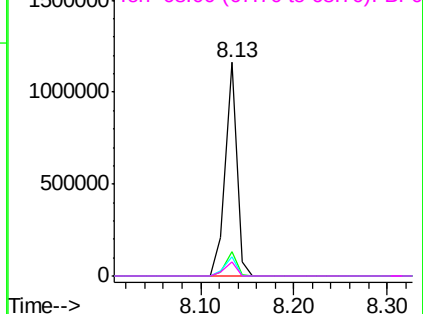
136 100

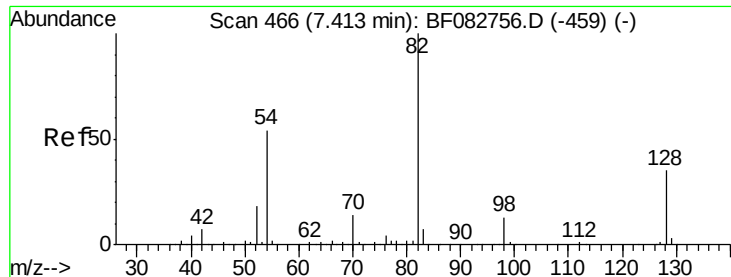
137 11.3 9.1 13.7

54 9.3 9.1 13.7

68 6.8 4.8 7.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 74.44 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.00 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Instrument :

BNA_F

ClientSampleId :

WABUT-8(0-2)

Tot Ion: 82 Resp: 1714346

Ion Ratio Lower Upper

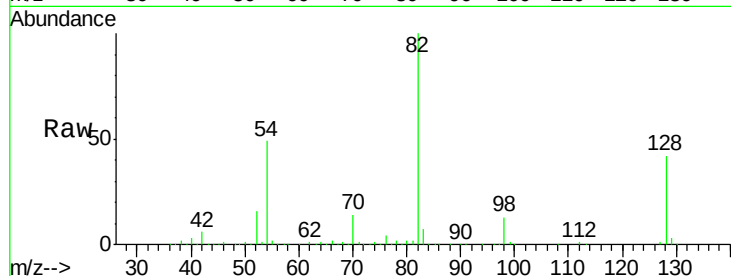
82 100

128 42.2 26.8 40.2#

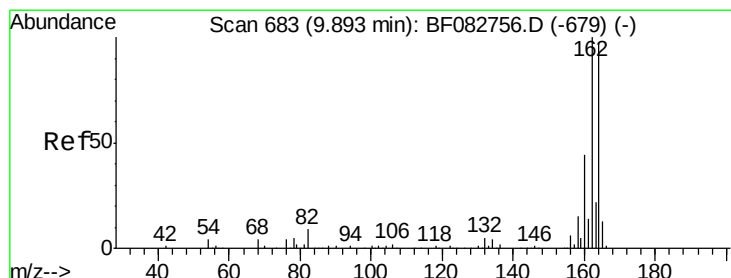
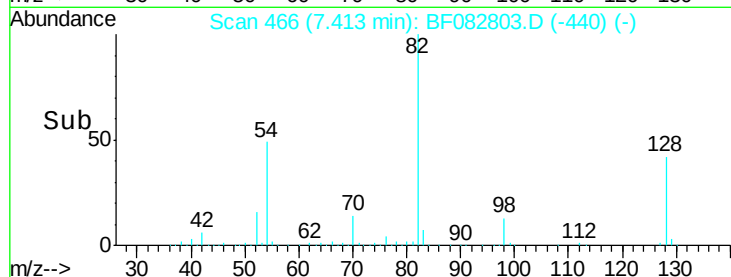
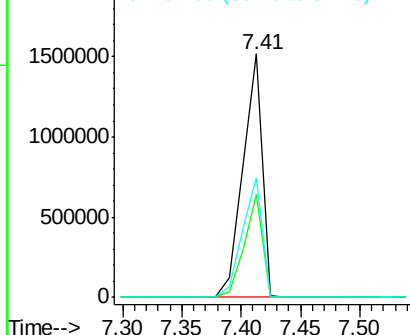
54 49.2 45.7 68.5

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

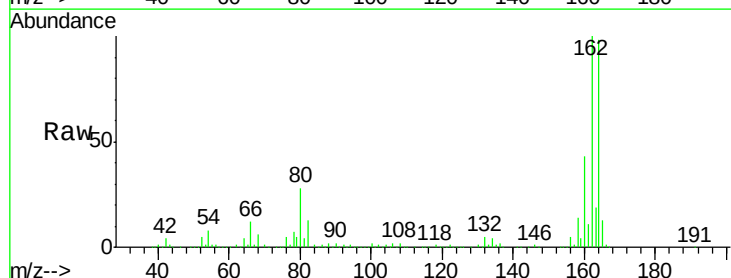
Tgt Ion:164 Resp: 483671

Ion Ratio Lower Upper

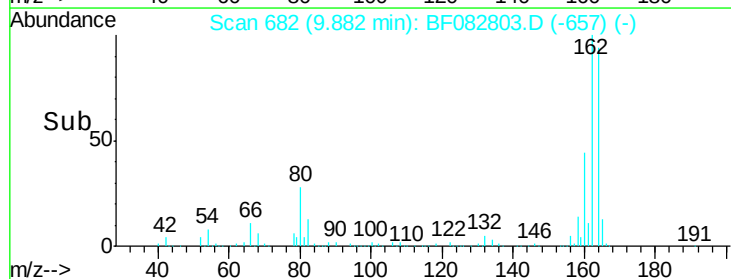
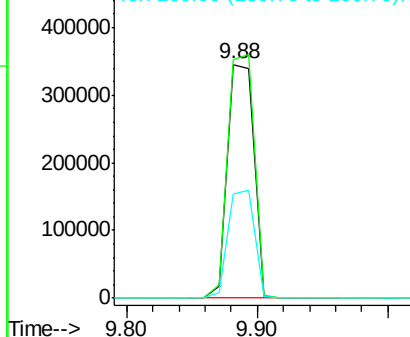
164 100

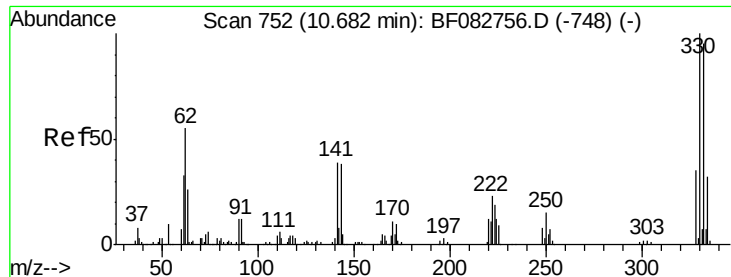
162 102.3 84.9 127.3

160 44.3 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





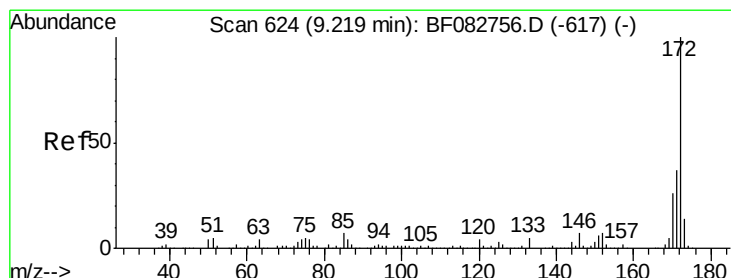
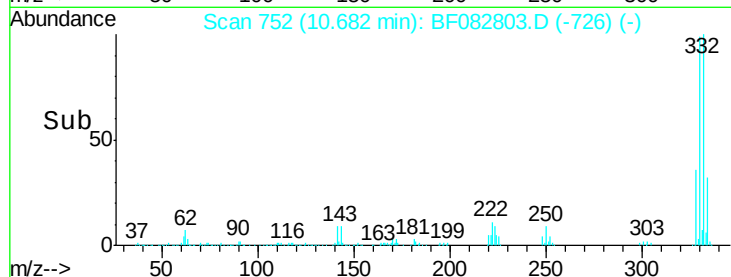
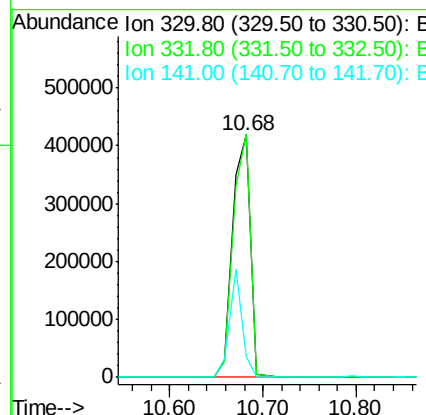
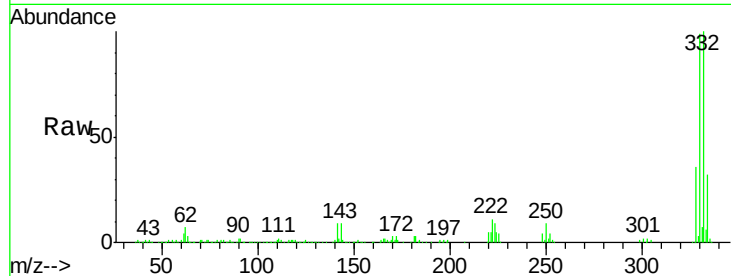
#41
 2,4,6-Tribromophenol
 Concen: 100.24 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF082803.D
 Acq: 7 Nov 2015 11:35

Instrument :
 BNA_F
 ClientSampleId :
 WABUT-8(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	555932		
332	97.9	76.6	114.8	
141	31.7	41.2	61.8#	

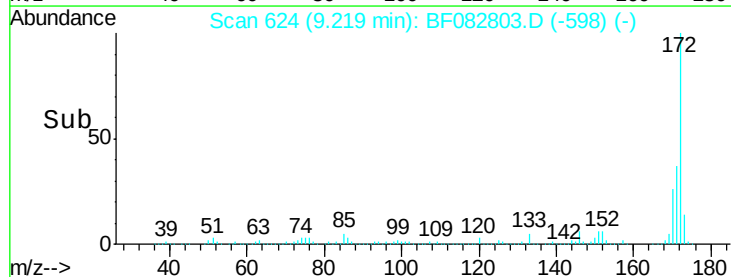
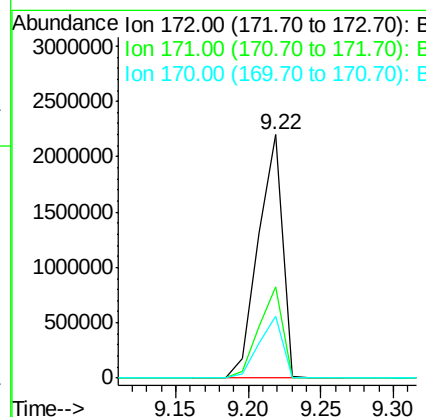
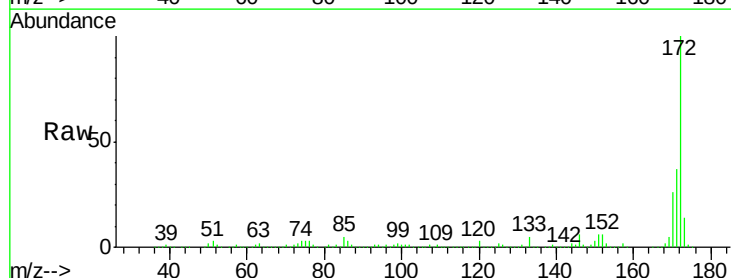
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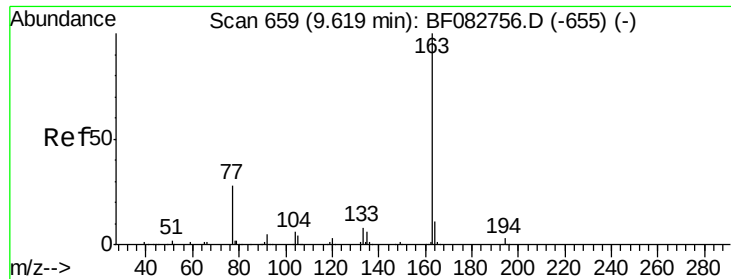
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#44
 2-Fluorobiphenyl
 Concen: 75.20 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF082803.D
 Acq: 7 Nov 2015 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2537876		
171	37.4	30.8	46.2	
170	25.7	21.2	31.8	





#49

Dimethylphthalate

Concen: 18.84 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Instrument :

BNA_F

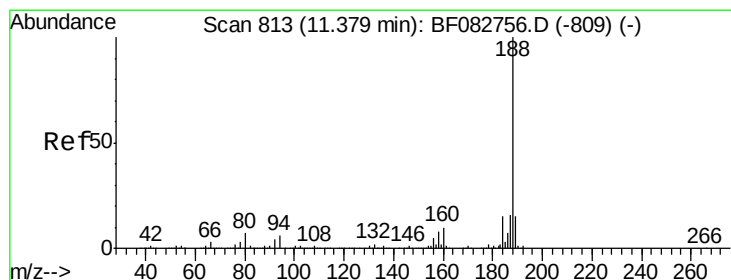
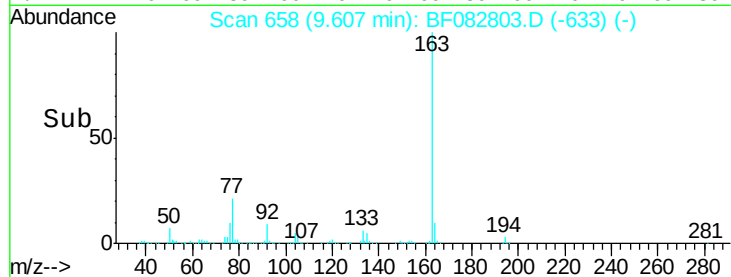
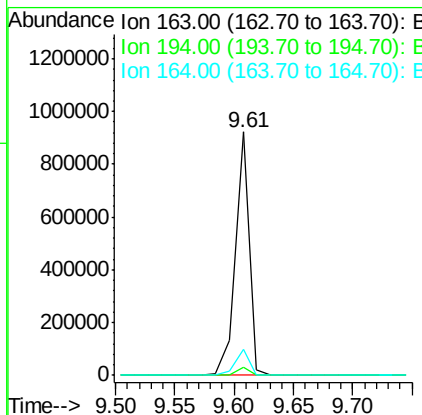
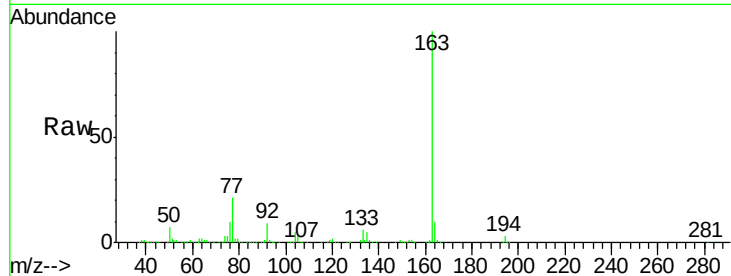
ClientSampleId :

WABUT-8(0-2)

Tot Ion:	163	Resp:	746512
Ion Ratio		Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.5	8.7	13.1

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

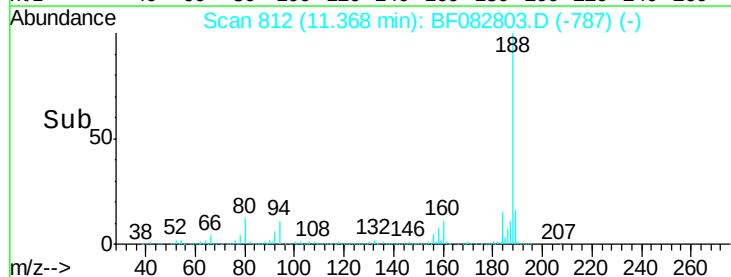
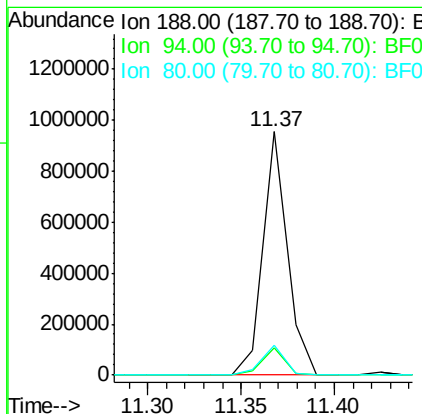
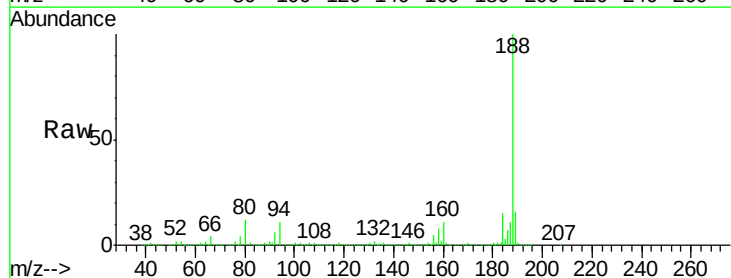
RT: 11.37 min Scan# 812

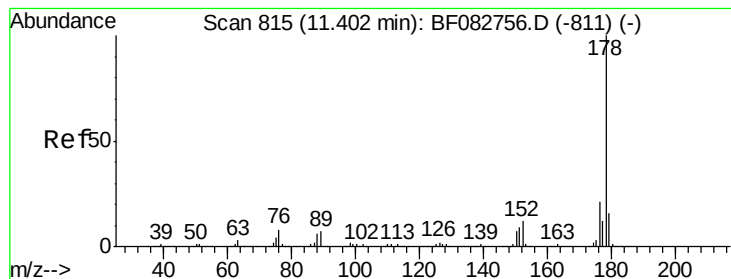
Delta R.T. -0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Tgt Ion:	188	Resp:	861917
Ion Ratio		Lower	Upper
188	100		
94	11.1	6.1	9.1#
80	12.4	7.0	10.6#





#70

Phenanthrene

Concen: 21.10 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Instrument :

BNA_F

ClientSampleId :

WABUT-8(0-2)

Tot Ion:178 Resp: 1056373

Ion Ratio Lower Upper

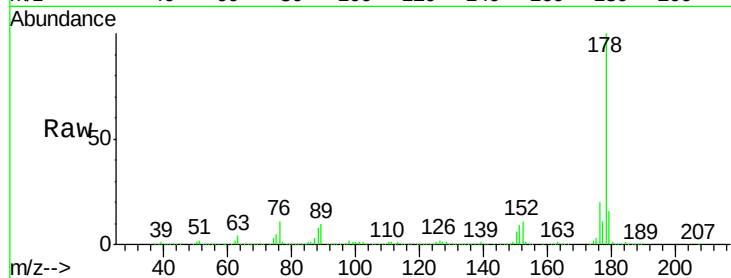
178 100

176 20.5 17.0 25.4

179 16.2 13.4 20.0

Manual Integrations
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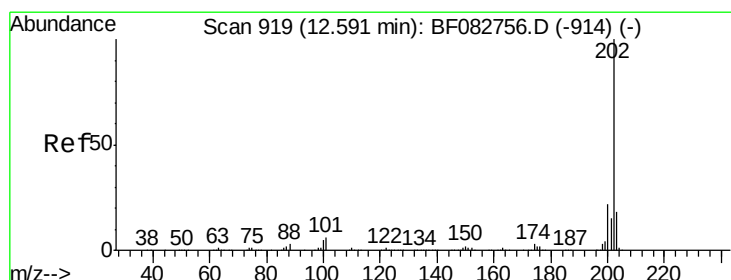
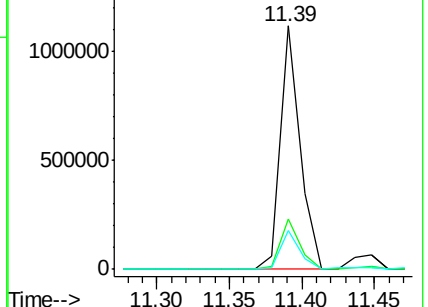
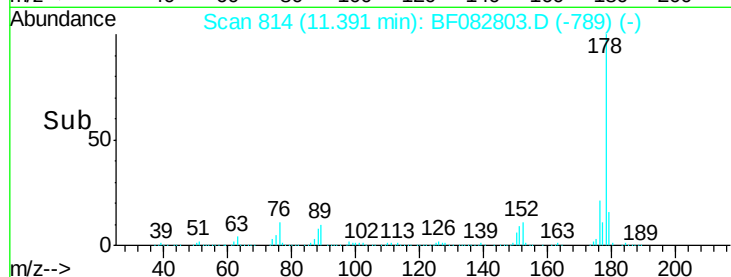
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 21.33 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

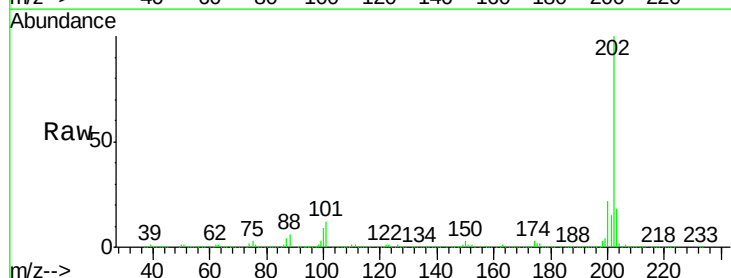
Tgt Ion:202 Resp: 1145531

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.5

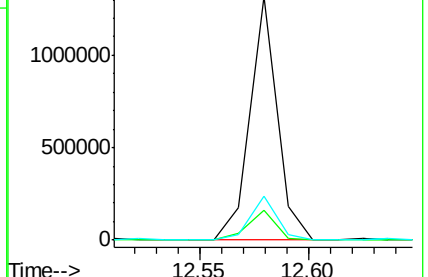
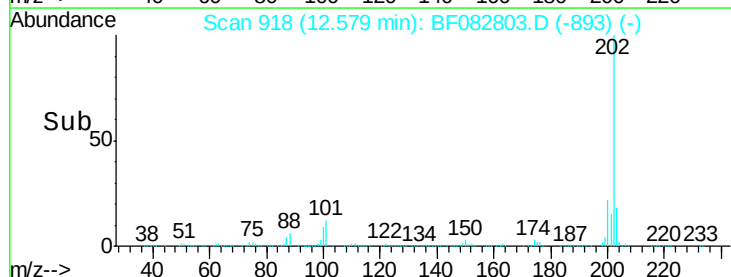
203 18.3 0.0 38.5

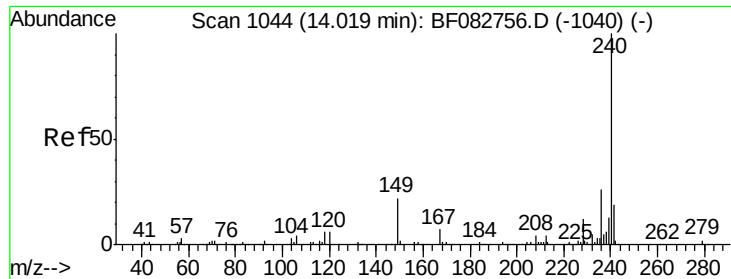


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Instrument :

BNA_F

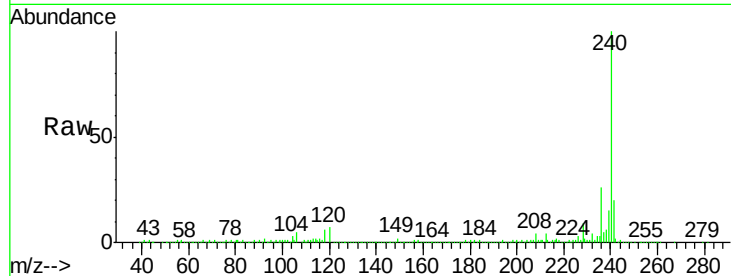
ClientSampleId :

WABUT-8(0-2)

Tot Ion:	240	Resp:	649354
Ion Ratio		Lower	Upper
240	100		
120	6.8	10.9	16.3#
236	26.3	21.6	32.4

Manual Integrations
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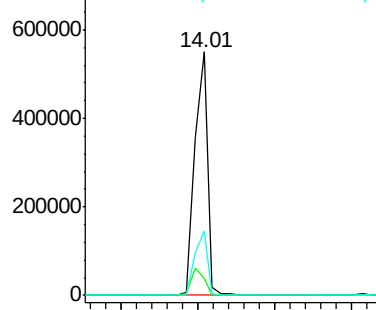
Mmdadoda
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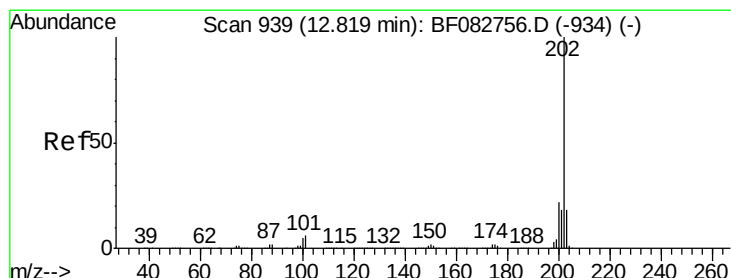
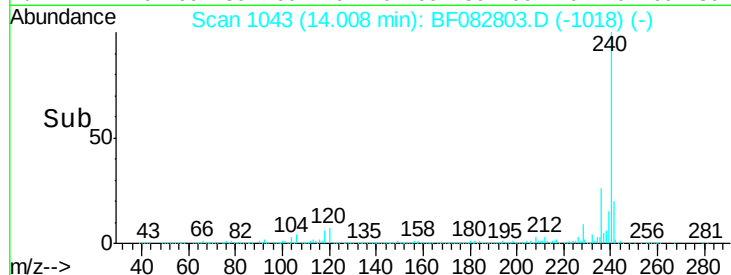
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 25.26 ng

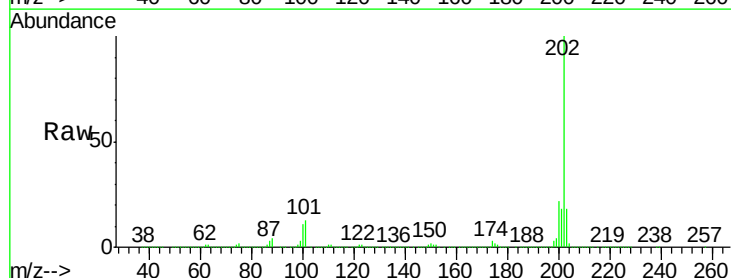
RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

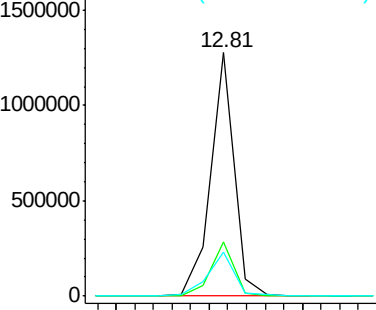
Tgt Ion:	202	Resp:	1126380
Ion Ratio		Lower	Upper
202	100		
200	22.3	18.7	28.1
203	18.3	14.8	22.2



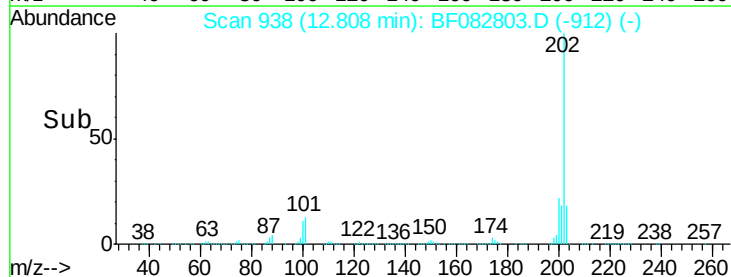
Abundance Ion 202.00 (201.70 to 202.70): E

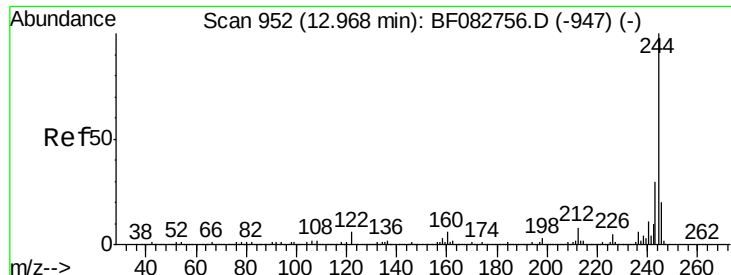
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





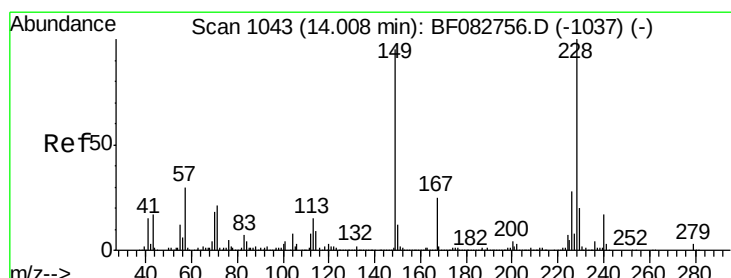
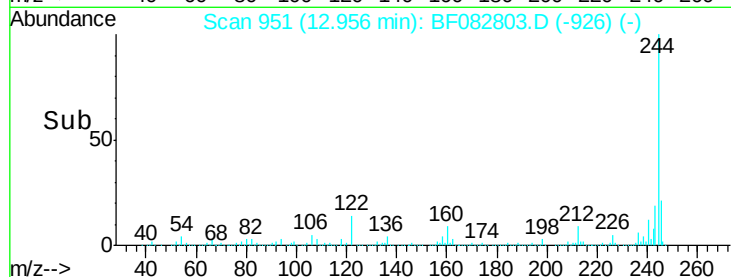
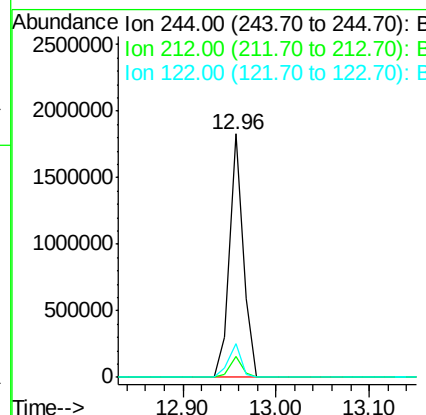
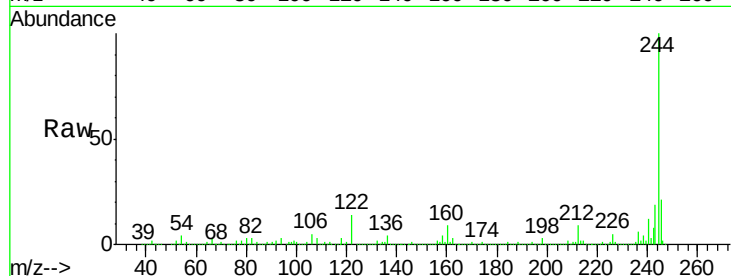
#78
 Terphenyl-d14
 Concen: 68.81 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF082803.D
 Acq: 7 Nov 2015 11:35

Instrument :
 BNA_F
 ClientSampleId :
 WABUT-8(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.6	11.4
122	13.7	11.3	16.9

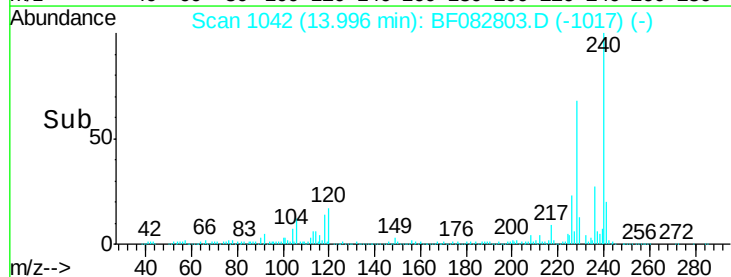
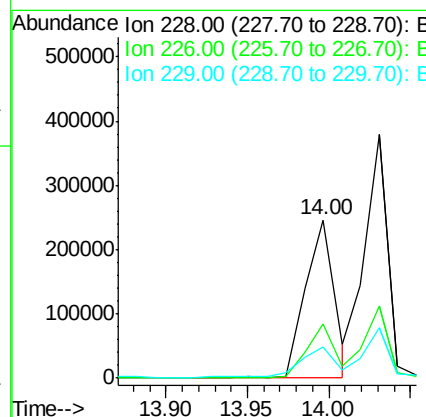
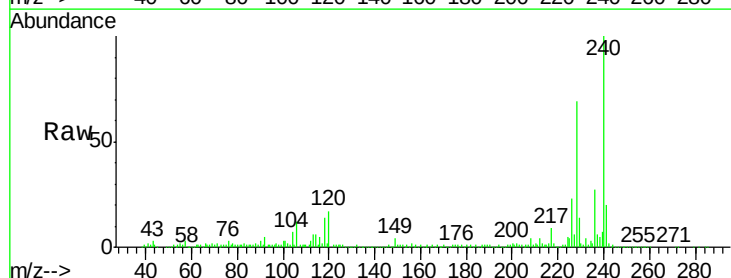
Manual Integrations
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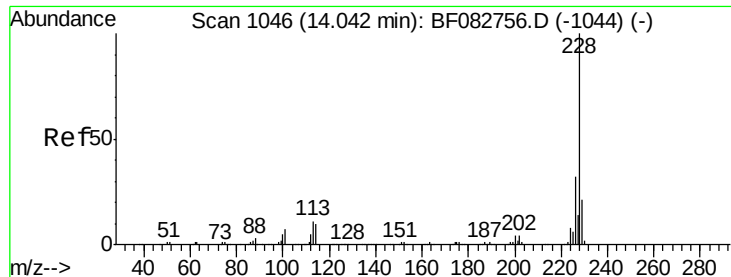
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 11/9/2015 2:08:27 PM



#80
 Benzo(a)anthracene
 Concen: 7.47 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF082803.D
 Acq: 7 Nov 2015 11:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.1	23.4	35.2
229	20.1	16.3	24.5





#82

Chrysene

Concen: 9.98 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Instrument :

BNA_F

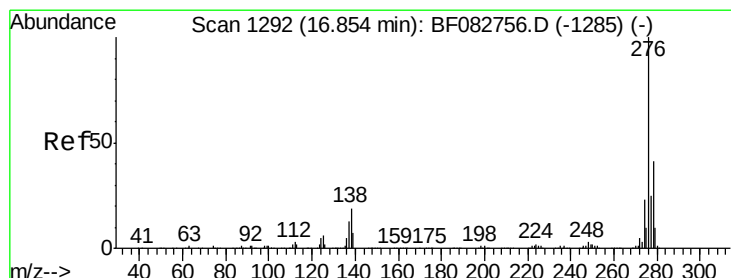
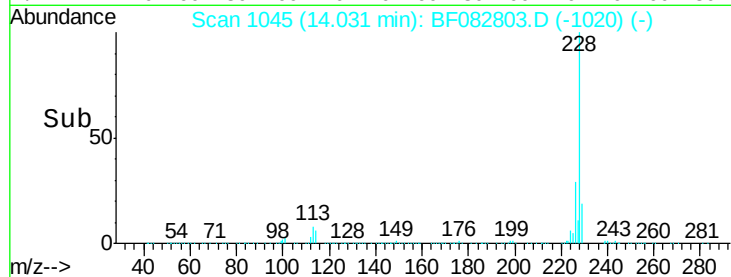
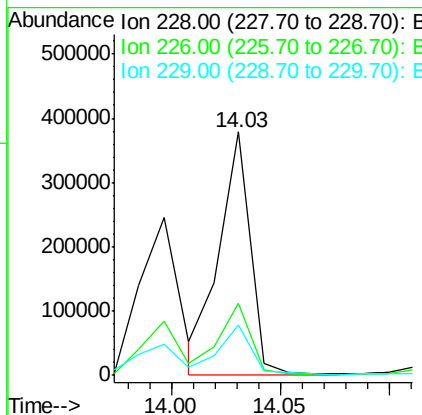
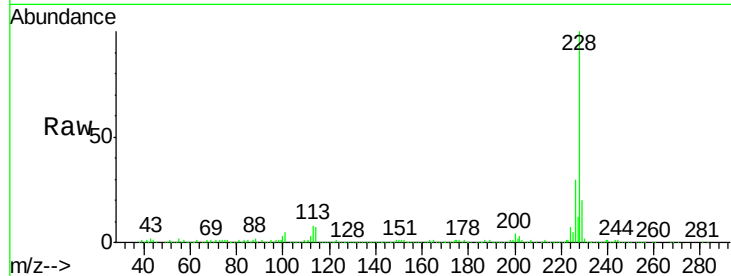
ClientSampleId :

WABUT-8(0-2)

Tot Ion:	228	Resp:	371353
Ion Ratio		Lower	Upper
228	100		
226	29.5	25.5	38.3
229	20.4	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.69 ng

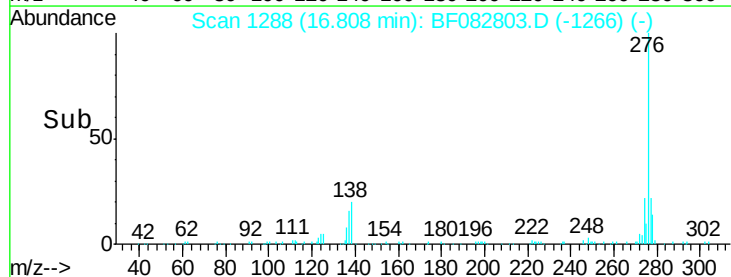
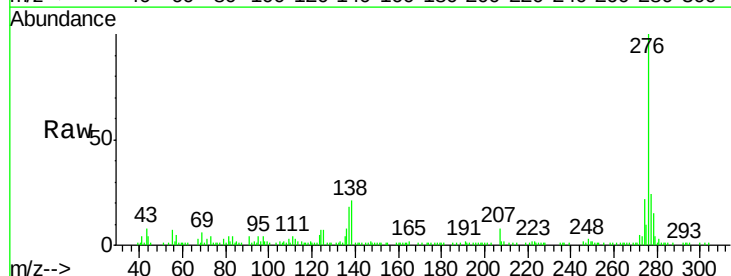
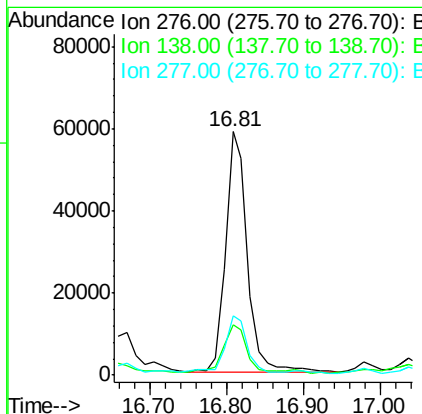
RT: 16.81 min Scan# 1288

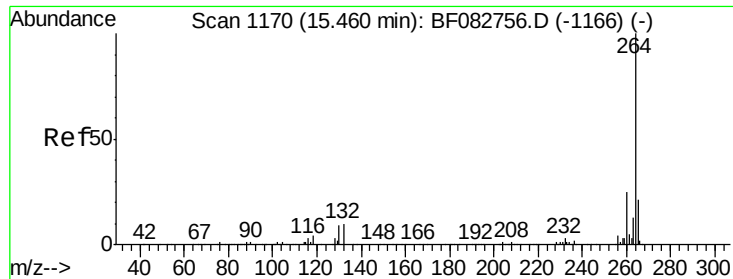
Delta R.T. -0.05 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Tgt Ion:	276	Resp:	118069
Ion Ratio		Lower	Upper
276	100		
138	21.3	15.3	22.9
277	24.8	20.2	30.4





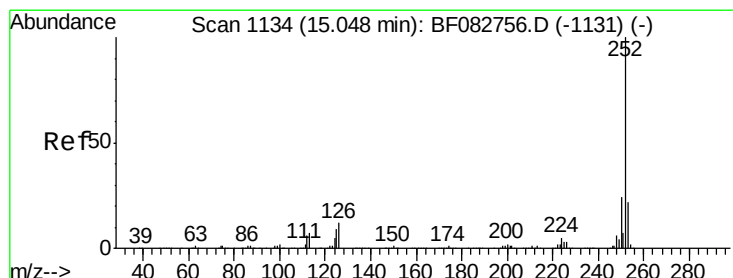
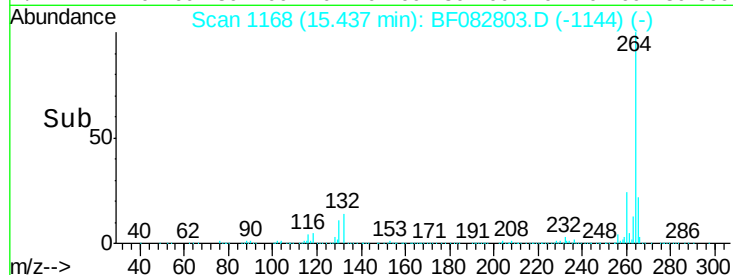
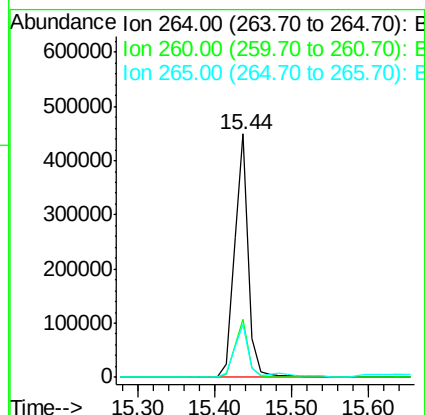
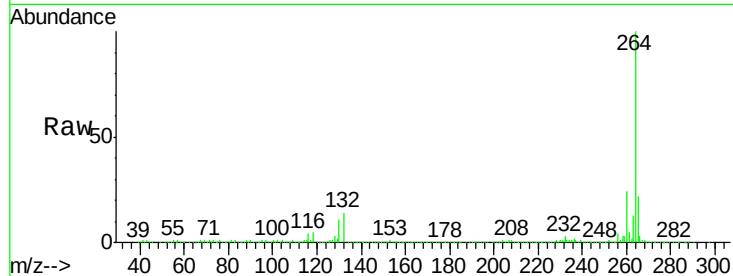
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF082803.D
Acq: 7 Nov 2015 11:35

Instrument :
BNA_F
ClientSampleId :
WABUT-8(0-2)

Tot Ion:	264	Resp:	571007
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.8	29.6
265	21.7	17.4	26.0

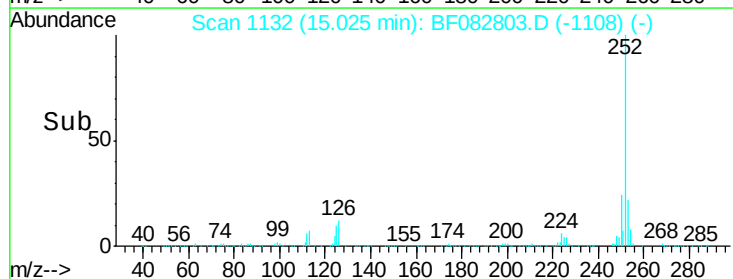
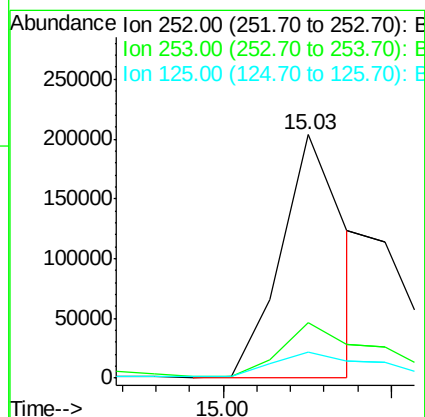
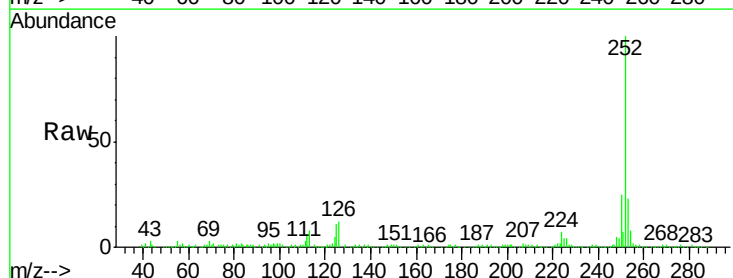
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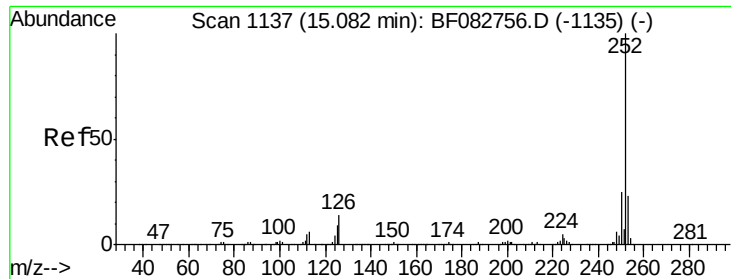
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#87
Benzo(b)fluoranthene
Concen: 7.38 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.02 min
Lab File: BF082803.D
Acq: 7 Nov 2015 11:35

Tgt Ion:	252	Resp:	270421
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.8
125	10.9	5.4	8.2#





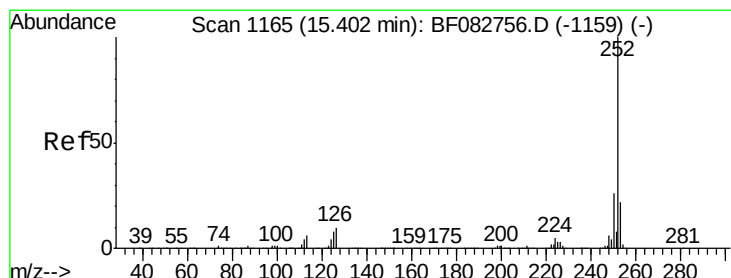
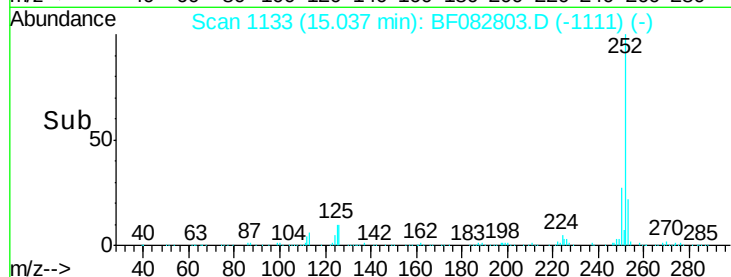
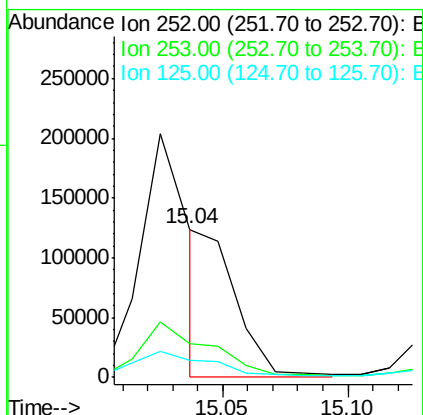
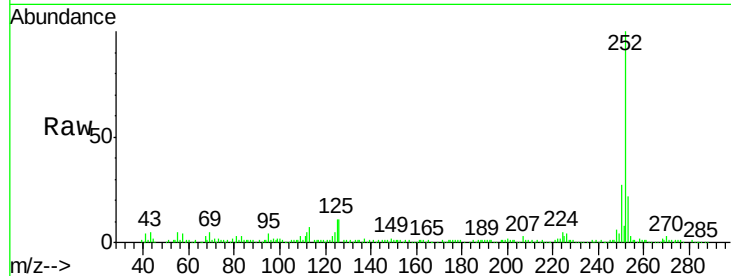
#88
Benzo(k)fluoranthene
Concen: 3.48 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.05 min
Lab File: BF082803.D
Acq: 7 Nov 2015 11:35

Instrument :
BNA_F
ClientSampleId :
WABUT-8(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	11.2	3.5	5.3

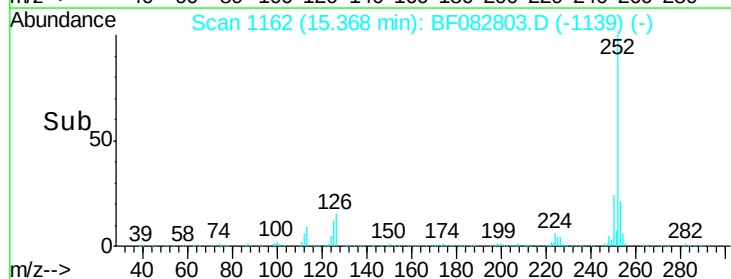
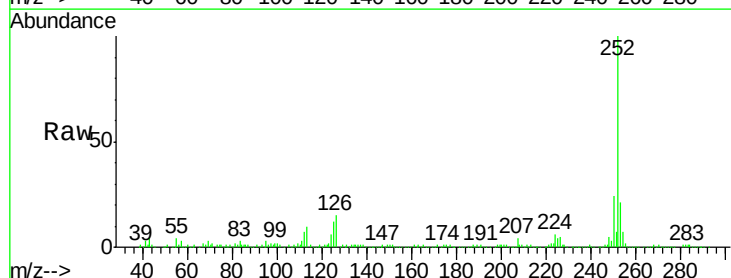
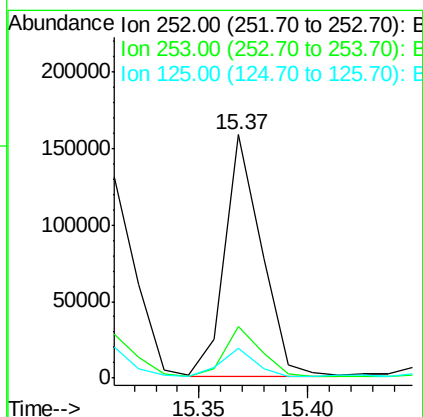
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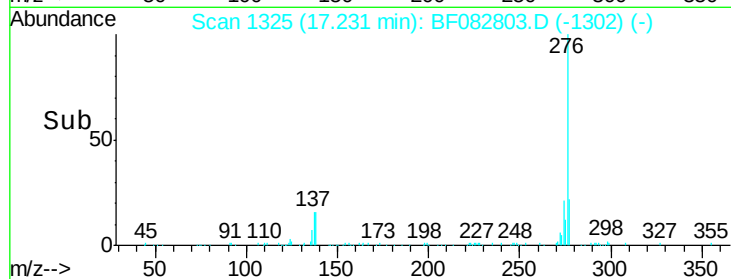
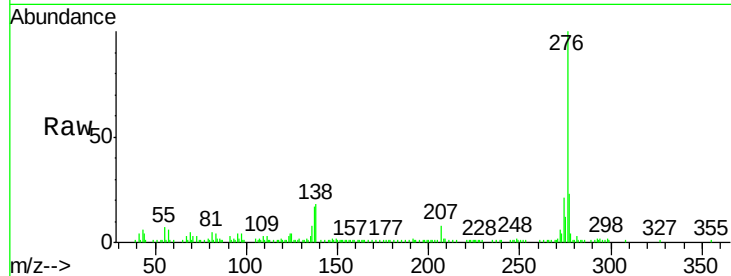
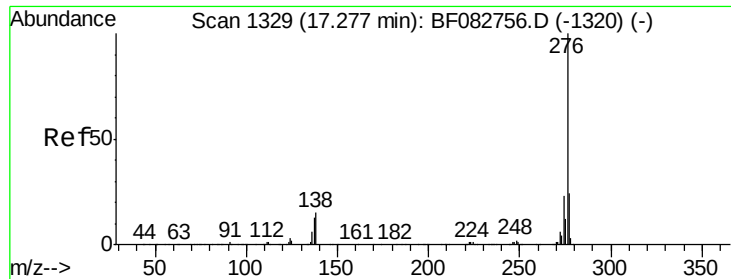
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#89
Benzo(a)pyrene
Concen: 5.85 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.03 min
Lab File: BF082803.D
Acq: 7 Nov 2015 11:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.3	25.9
125	12.2	7.1	10.7





#91

Benzo(a,h,i)perylene

Concen: 4.66 ng

RT: 17.23 min Scan# 1325

Delta R.T. -0.03 min

Lab File: BF082803.D

Acq: 7 Nov 2015 11:35

Tot Ion:	276	Resp:	120034
Ion Ratio	Lower	Upper	
276	100		
277	22.8	19.2	28.8
138	17.7	13.1	19.7

Instrument :

BNA_F

ClientSampleId :

WABUT-8(0-2)

Manual Integrations
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