

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083446.D
 Acq On : 3 Dec 2015 6:22
 Operator : UM/IZ
 Sample : G4583-08
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(0-8)

Manual Integrations
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 12/3/2015 7:10:05 PM

Quant Time: Dec 03 10:05:12 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	145804m	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	508784	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	232347	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	362192	20.00	ng	0.00
75) Chrysene-d12	14.75	240	310155	20.00	ng	-0.01
86) Perylene-d12	16.82	264	306665	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	1156091	118.98	ng	0.00
7) Phenol-d6	6.21	99	1593349	119.80	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1025948	88.64	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	217869	93.41	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	1268454	77.80	ng	-0.01
78) Terphenyl-d14	13.22	244	977443	75.16	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.87	128	7466958	270.49	ng	# 91
37) 2-Methylnaphthalene	8.54	142	1224069m	66.35	ng	
45) 1,1'-Biphenyl	9.01	154	504232	24.75	ng	99
48) Acenaphthylene	9.44	152	792502	32.00	ng	97
49) Dimethylphthalate	9.31	163	88797	4.70	ng	# 91
51) Acenaphthene	9.62	154	1439243	98.80	ng	99
57) Fluorene	10.13	166	785069	46.57	ng	98
70) Phenanthrene	11.16	178	3501960	163.38	ng	95
71) Anthracene	11.22	178	1428135	66.18	ng	99
74) Fluoranthene	12.67	202	2512595	113.09	ng	100
77) Pyrene	12.99	202	3705345	171.07	ng	96
80) Benzo(a)anthracene	14.74	228	1745541m	91.86	ng	
82) Chrysene	14.80	228	1670660	91.00	ng	97
85) Indeno(1,2,3-cd)pyrene	18.21	276	1233721	92.27	ng	93
87) Benzo(b)fluoranthene	16.32	252	2478303m	125.95	ng	
88) Benzo(k)fluoranthene	16.34	252	483784m	26.04	ng	
89) Benzo(a)pyrene	16.76	252	2162861	127.97	ng	# 96
90) Dibenzo(a,h)anthracene	18.21	278	279009	18.95	ng	99
91) Benzo(a,h,i)perylene	18.59	276	1431373	99.03	ng	97

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

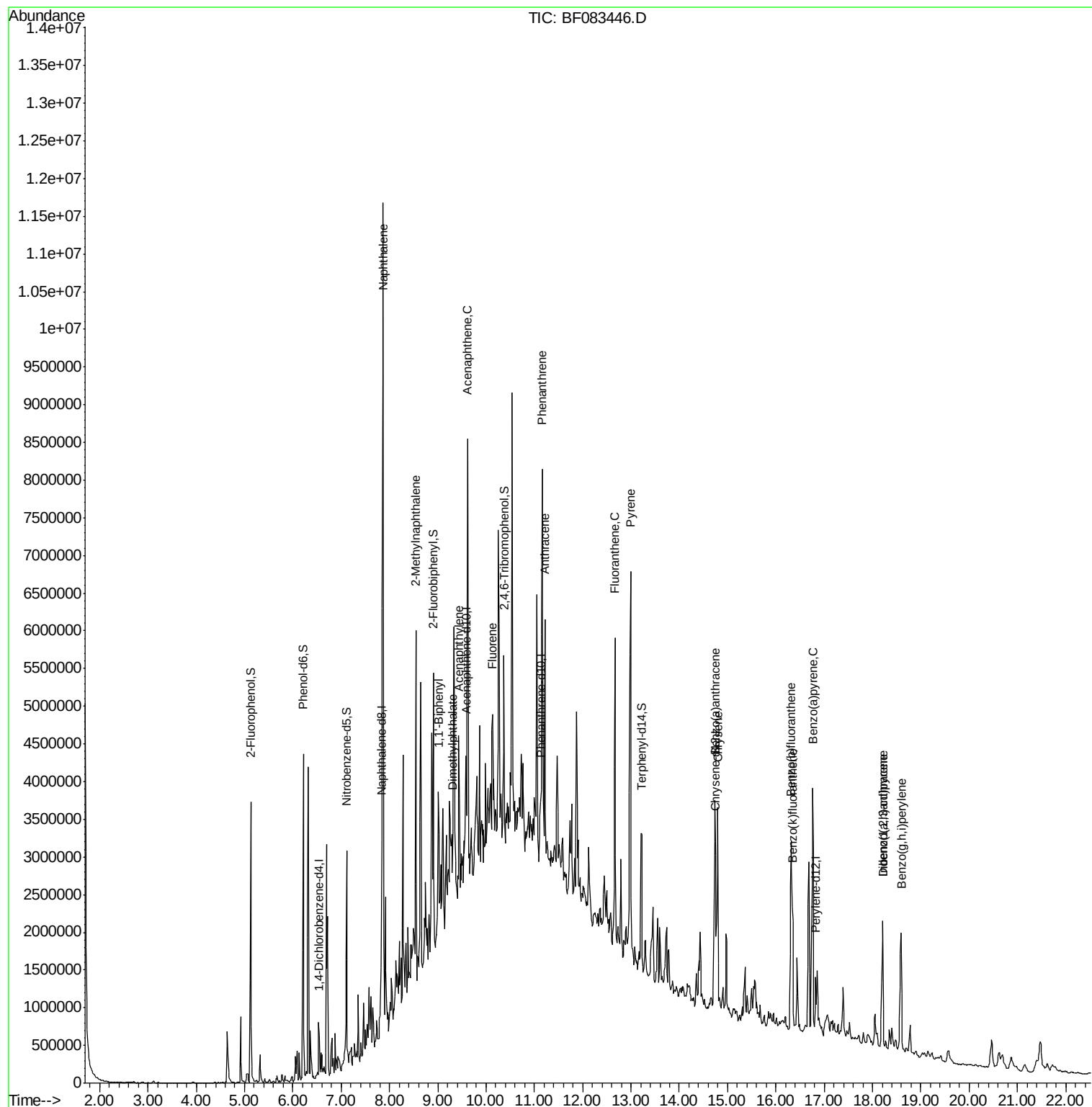
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083446.D
Acq On : 3 Dec 2015 6:22
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Sample : G4583-08
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ALS Vial : 33 Sample Multiplier: 1

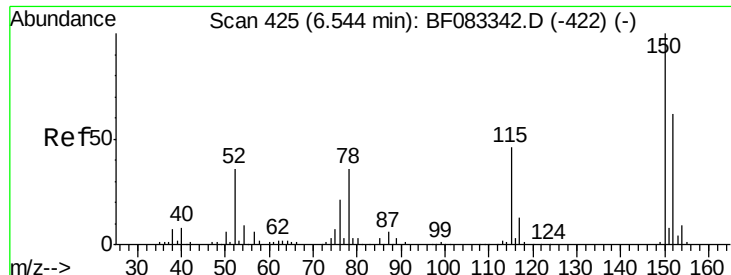
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)

Manual Integrations
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Quant Time: Dec 03 10:05:12 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 01 01:17:16 2015
Response via : Initial Calibration





#1

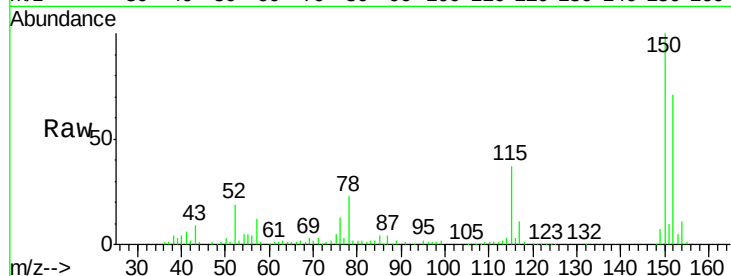
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.54 min Scan# 425
Delta R.T. -0.00 min
Lab File: BF083446.D
Acq: 3 Dec 2015 6:22

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.0	129.8	194.8
115	51.9	59.2	88.8

Manual Integrations
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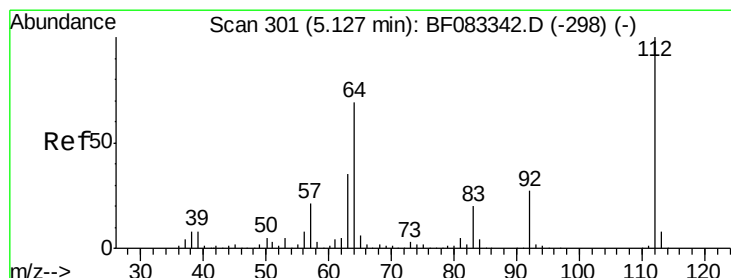
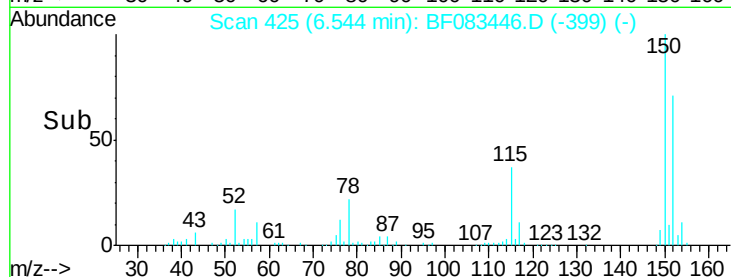
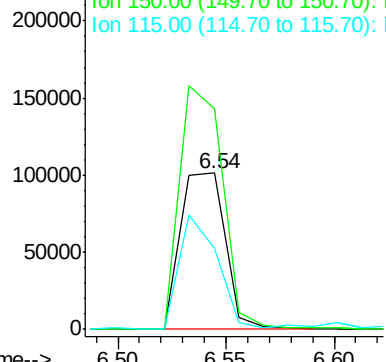


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

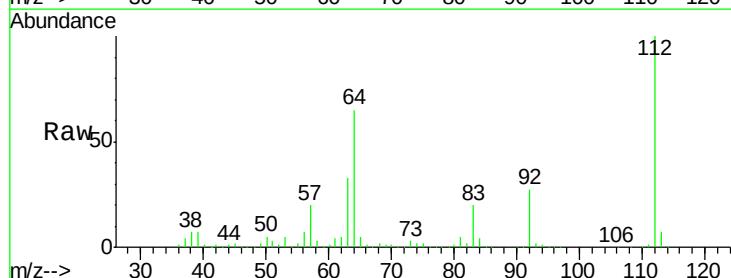
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 118.98 ng
RT: 5.13 min Scan# 301
Delta R.T. -0.00 min
Lab File: BF083446.D
Acq: 3 Dec 2015 6:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	55.6	83.4
63	33.0	28.2	42.2

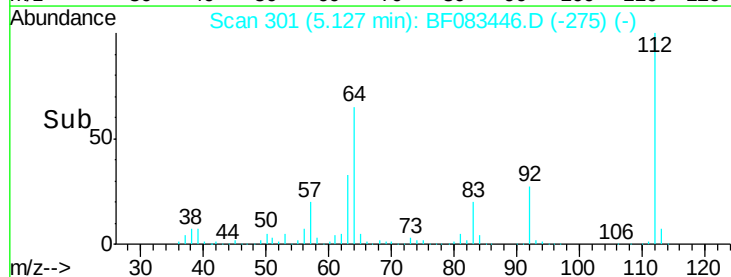
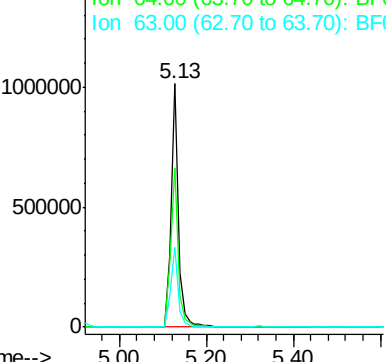


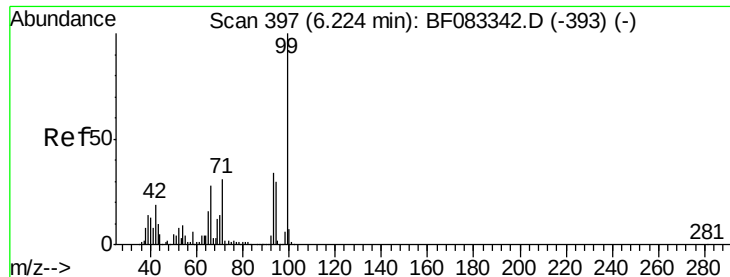
Abundance

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: 119.80 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083446.D

Acq: 3 Dec 2015 6:22

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(0-8)

Tot Ion: 99 Resp: 1593349

Ion Ratio Lower Upper

99 100

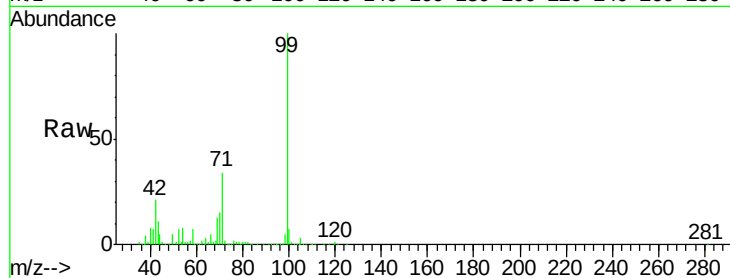
42 20.5 14.9 22.3

71 33.7 24.7 37.1

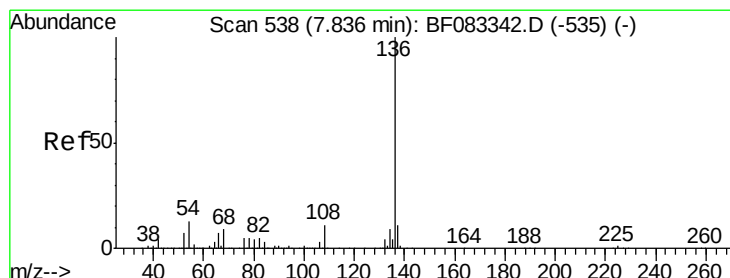
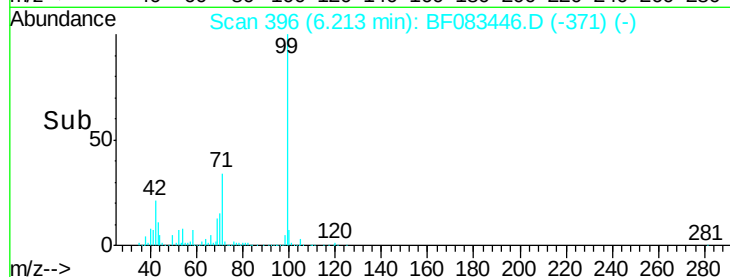
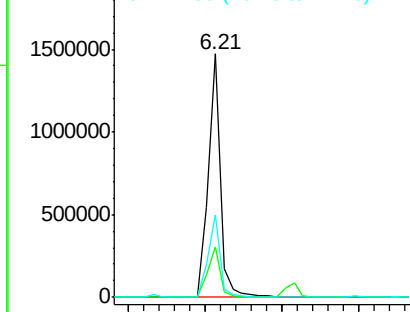
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 538

Delta R.T. -0.00 min

Lab File: BF083446.D

Acq: 3 Dec 2015 6:22

Tgt Ion: 136 Resp: 508784

Ion Ratio Lower Upper

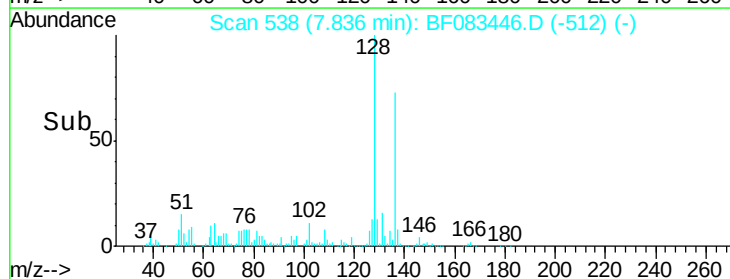
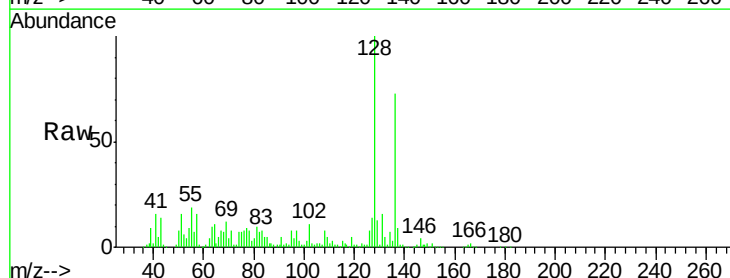
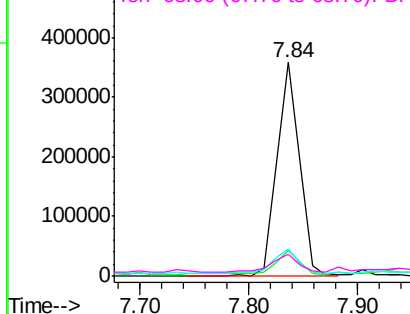
136 100

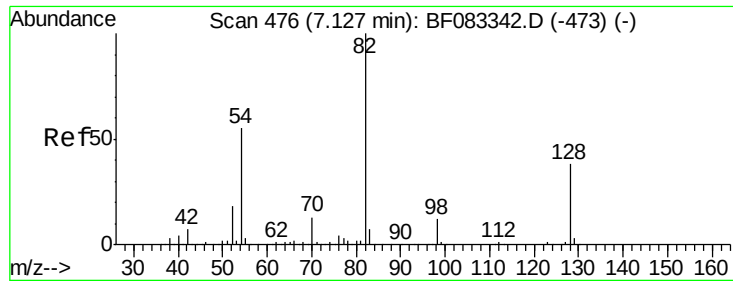
137 11.9 9.0 13.4

54 12.6 10.1 15.1

68 10.0 7.1 10.7

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





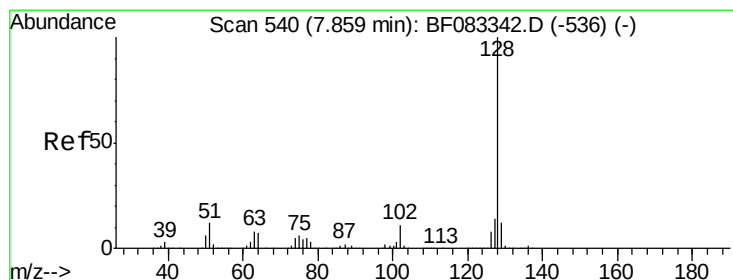
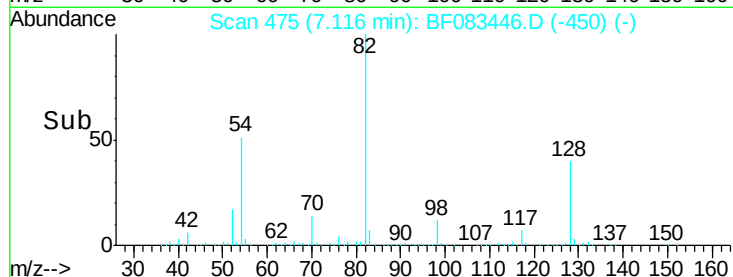
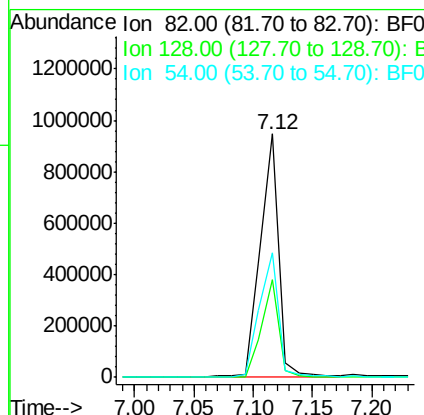
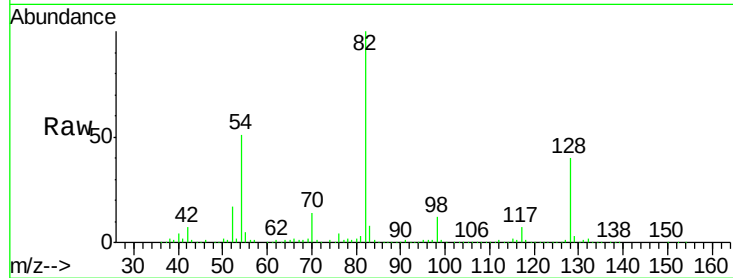
#23
Nitrobenzene-d5
Concen: 88.64 ng
RT: 7.12 min Scan# 475
Delta R.T. -0.01 min
Lab File: BF083446.D
Acq: 3 Dec 2015 6:22

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.2	30.6	46.0
54	51.1	43.8	65.6

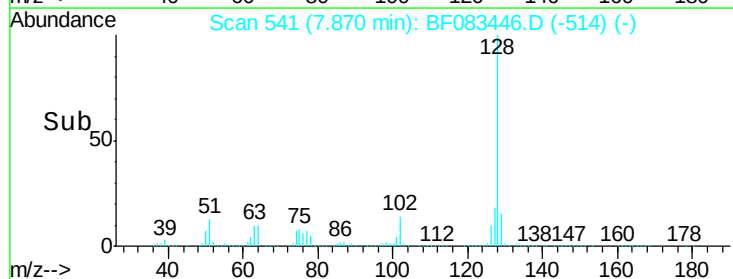
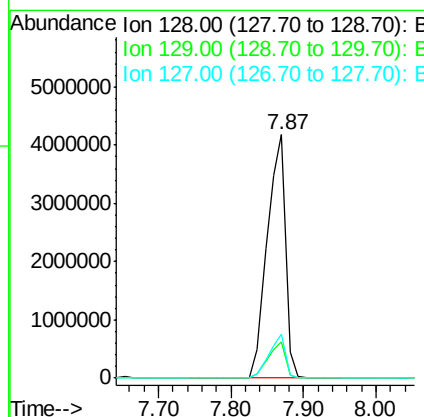
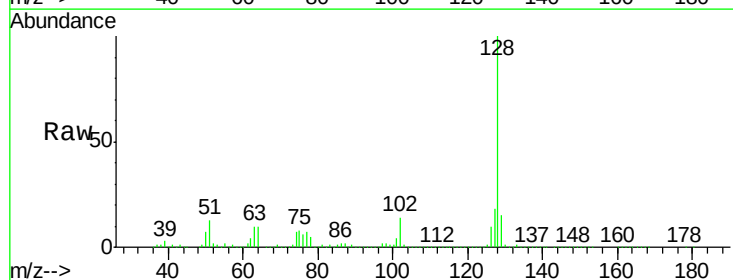
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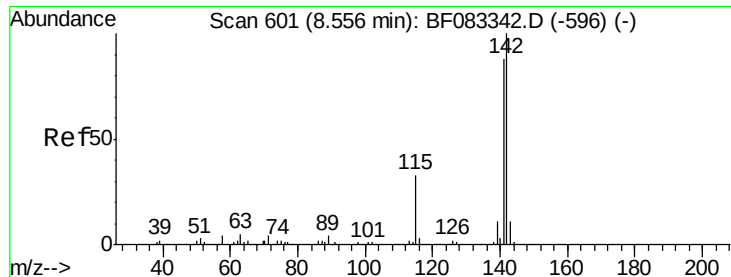
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#31
Naphthalene
Concen: 270.49 ng
RT: 7.87 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF083446.D
Acq: 3 Dec 2015 6:22

Tgt Ion	Ratio	Lower	Upper
128	100		
129	15.1	9.7	14.5#
127	18.0	11.0	16.4#





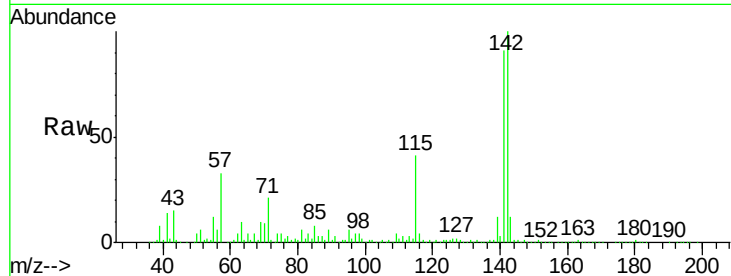
#37
 2-Methylnaphthalene
 Concen: 66.35 ng/ml
 RT: 8.54 min Scan# 600
 Delta R.T. -0.01 min
 Lab File: BF083446.D
 Acq: 3 Dec 2015 6:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(0-8)

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	70.6	105.8
115	40.8	26.2	39.2

Manual Integrations
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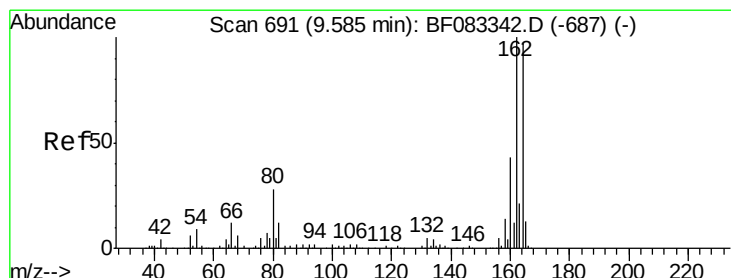
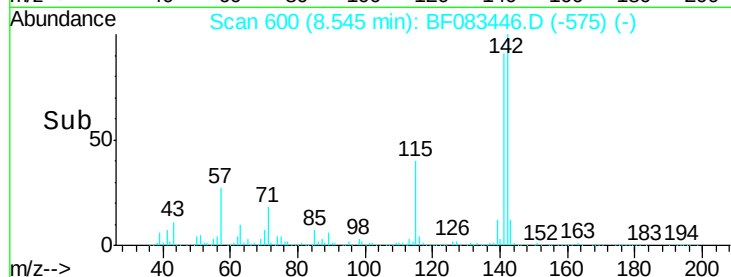
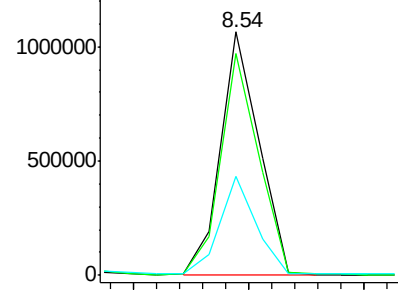


Abundance

Ion 142.00 (141.70 to 142.70): E

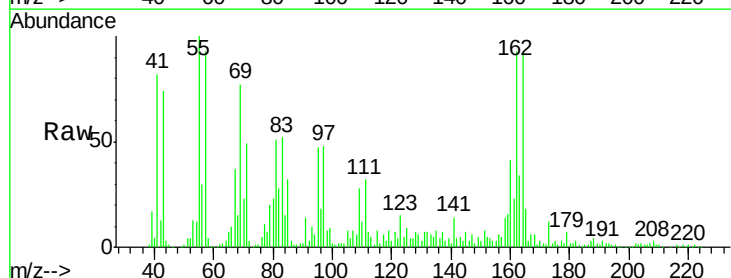
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: BF083446.D
 Acq: 3 Dec 2015 6:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.6	123.8
160	45.2	35.3	52.9

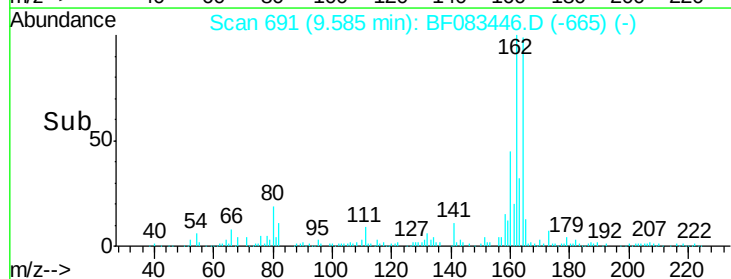
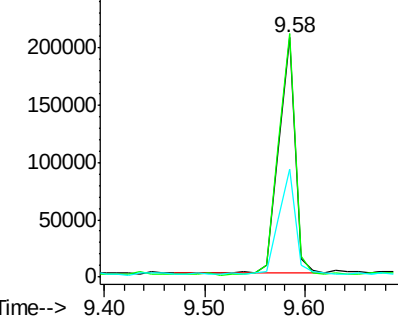


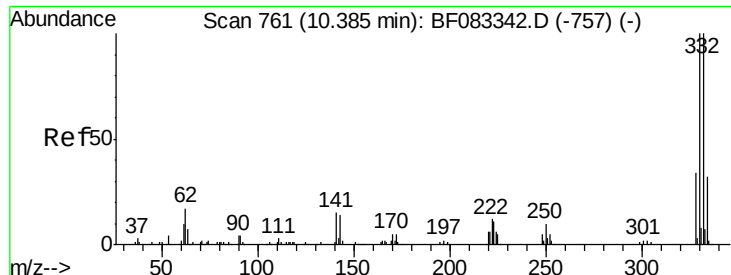
Abundance

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





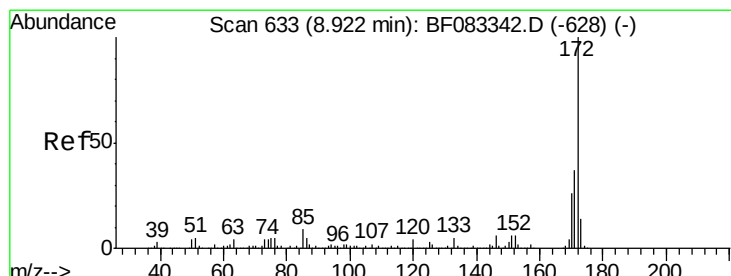
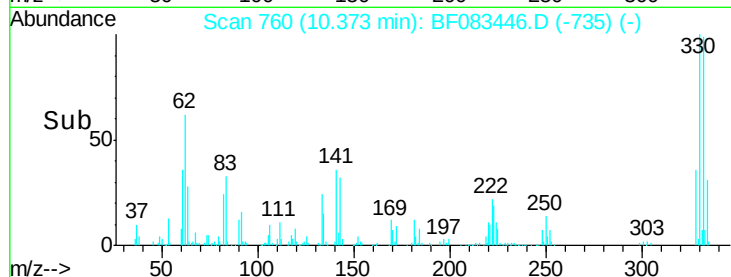
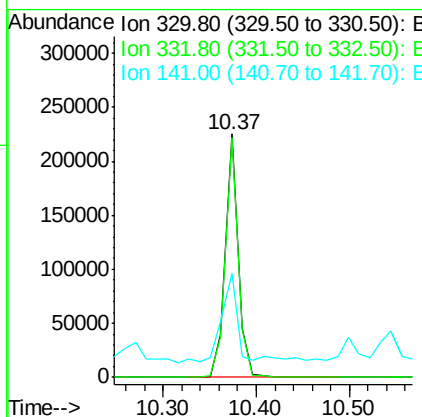
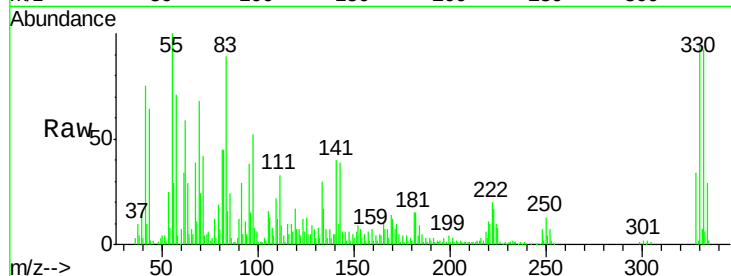
#41
 2,4,6-Tribromophenol
 Concen: 93.41 ng
 RT: 10.37 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF083446.D
 Acq: 3 Dec 2015 6:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(0-8)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	217869		
332	98.1	77.8	116.6	
141	44.1	29.4	44.0	

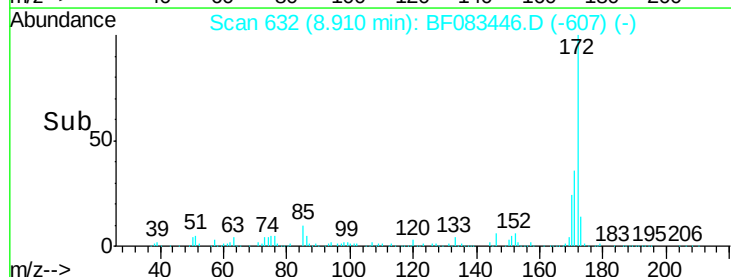
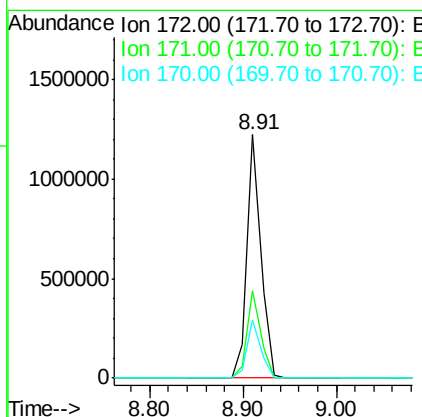
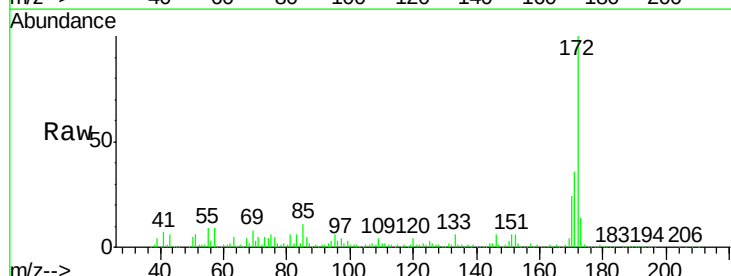
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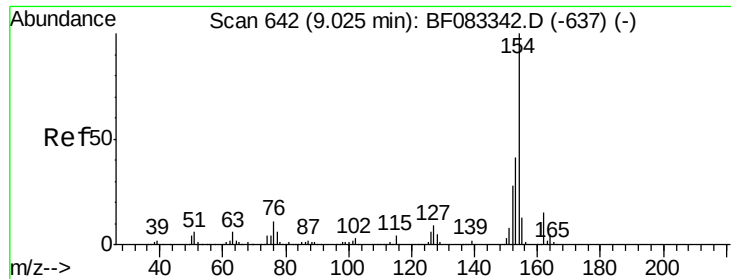
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 12/3/2015 7:10:05 PM



#44
 2-Fluorobiphenyl
 Concen: 77.80 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF083446.D
 Acq: 3 Dec 2015 6:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1268454		
171	35.7	29.4	44.0	
170	24.0	20.4	30.6	





#45

1,1'-Biphenyl

Concen: 24.75 ng

RT: 9.01 min Scan# 641

Delta R.T. -0.01 min

Lab File: BF083446.D

Acq: 3 Dec 2015 6:22

Instrument :

BNA_F

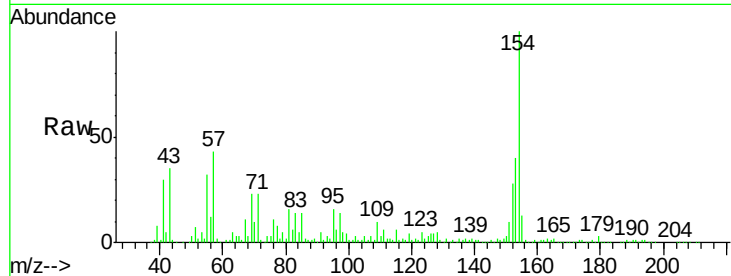
ClientSampleId :

SB-P3WC-08(0-8)

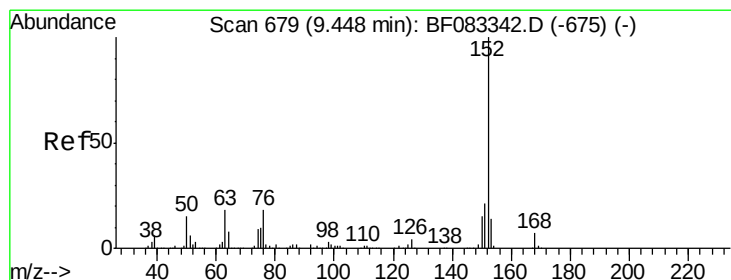
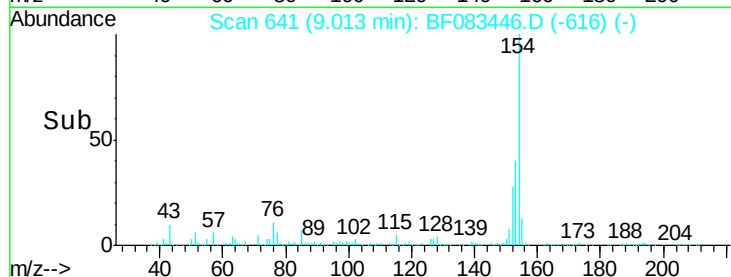
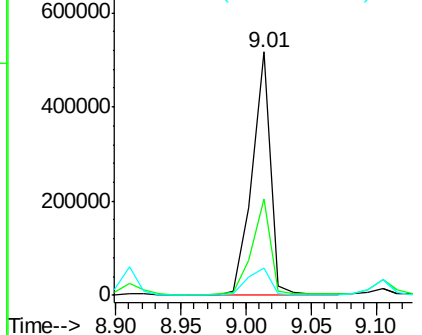
Tot Ion:	154	Resp:	504232
Ion Ratio		Lower	Upper
154	100		
153	39.8	20.6	60.6
76	11.3	0.0	30.5

Manual Integrations
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12/3/2015 7:10:05 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 32.00 ng

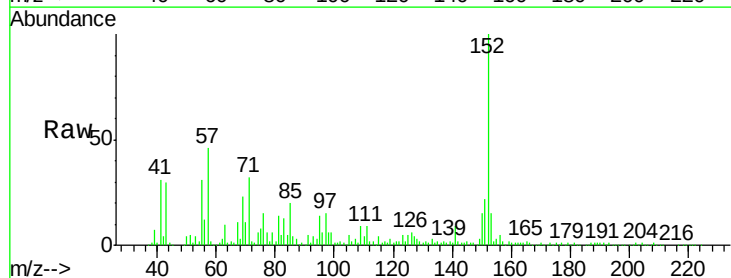
RT: 9.44 min Scan# 678

Delta R.T. -0.01 min

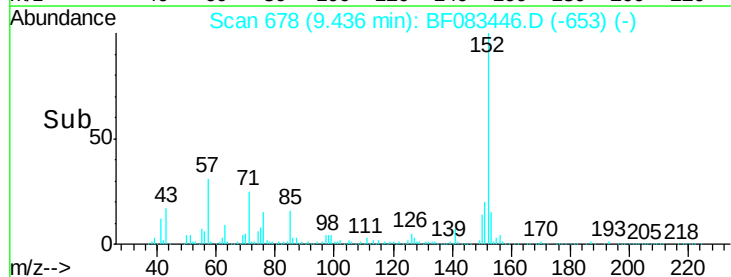
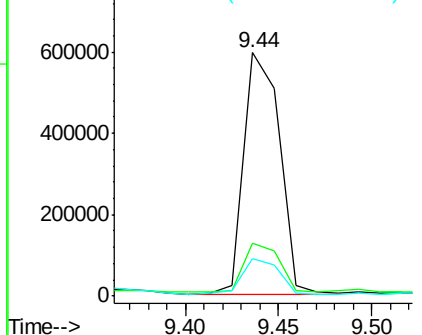
Lab File: BF083446.D

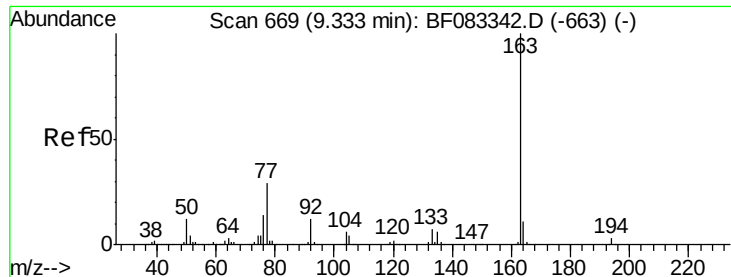
Acq: 3 Dec 2015 6:22

Tgt Ion:	152	Resp:	792502
Ion Ratio		Lower	Upper
152	100		
151	21.9	16.7	25.1
153	15.3	11.2	16.8



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





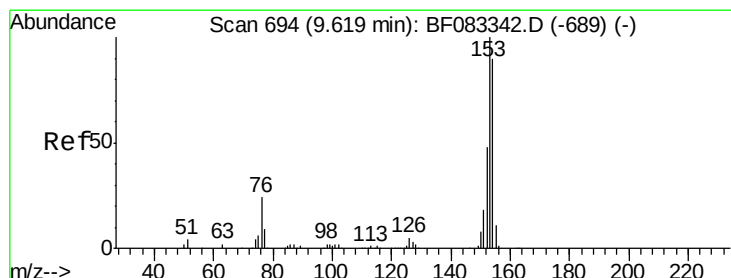
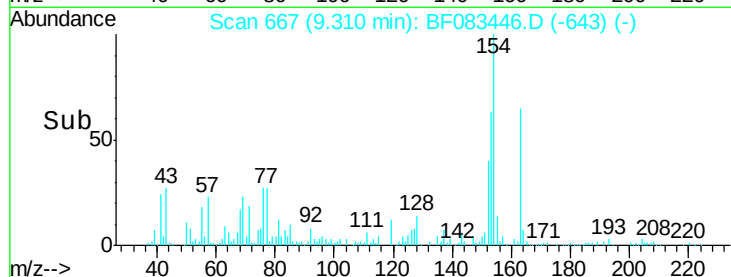
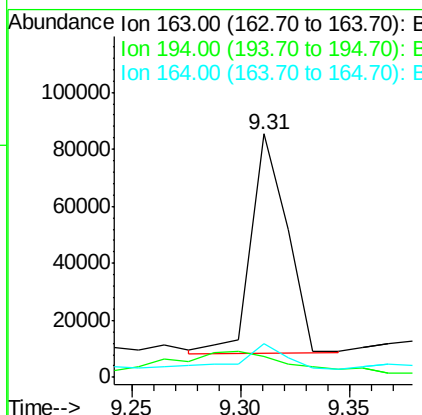
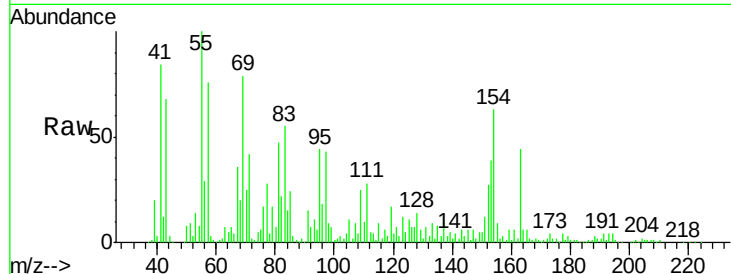
#49
Dimethylphthalate
Concen: 4.70 ng
RT: 9.31 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF083446.D
Acq: 3 Dec 2015 6:22

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)

Tot Ion	Ratio	Lower	Upper
163	100		
194	8.5	2.7	4.1#
164	13.6	8.8	13.2#

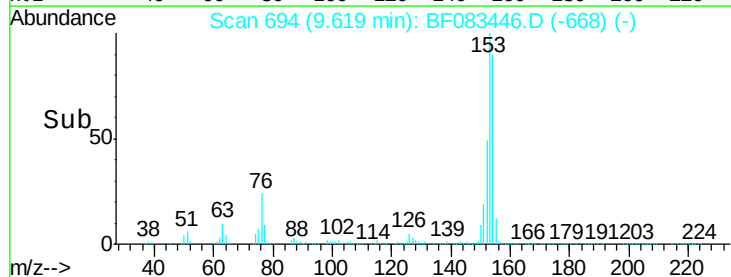
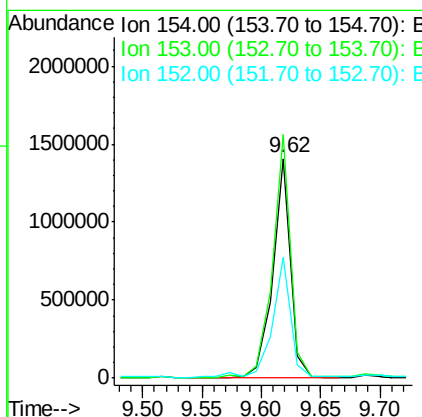
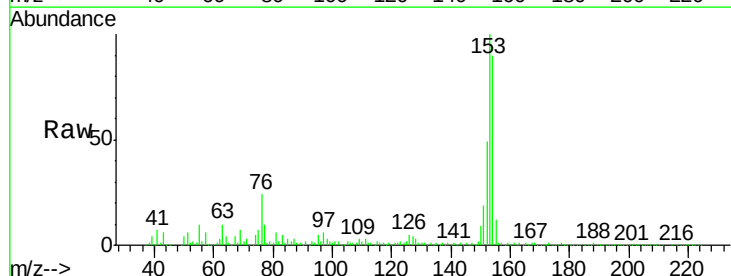
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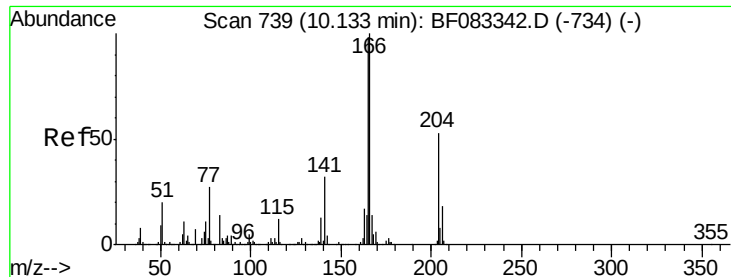
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#51
Acenaphthene
Concen: 98.80 ng
RT: 9.62 min Scan# 694
Delta R.T. -0.00 min
Lab File: BF083446.D
Acq: 3 Dec 2015 6:22

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.0	89.3	133.9
152	54.9	42.5	63.7





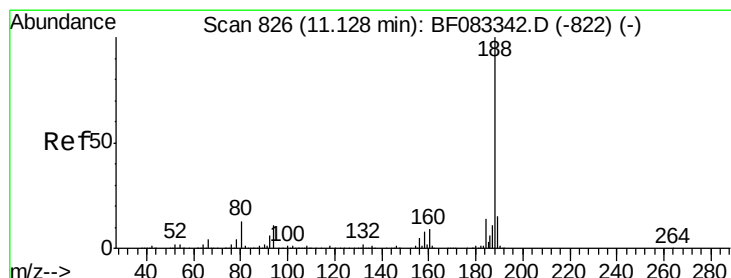
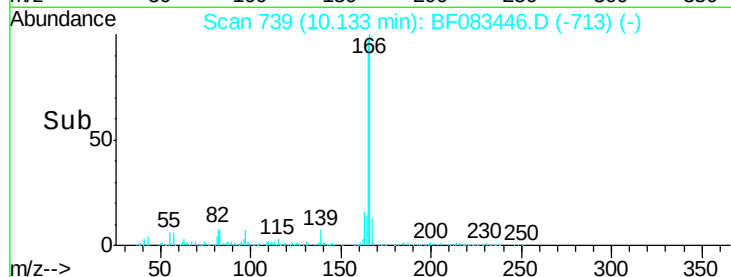
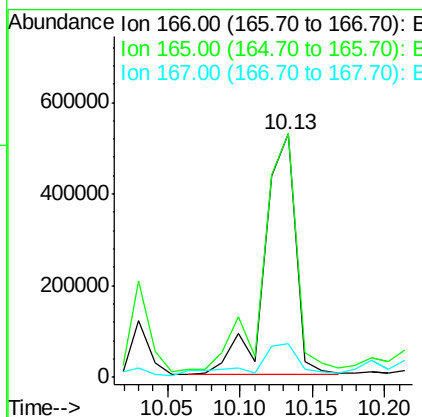
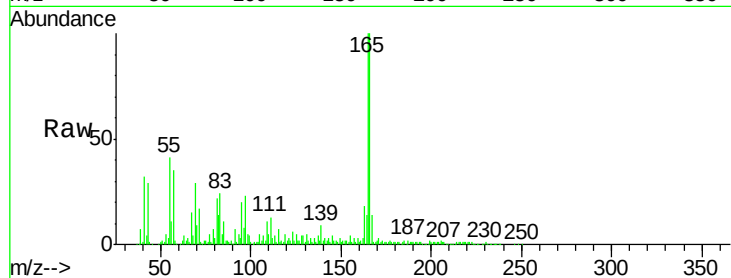
#57
Fluorene
 Concen: 46.57 ng
 RT: 10.13 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: BF083446.D
 Acq: 3 Dec 2015 6:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(0-8)

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.8	78.3	117.5	
167	14.0	11.1	16.7	

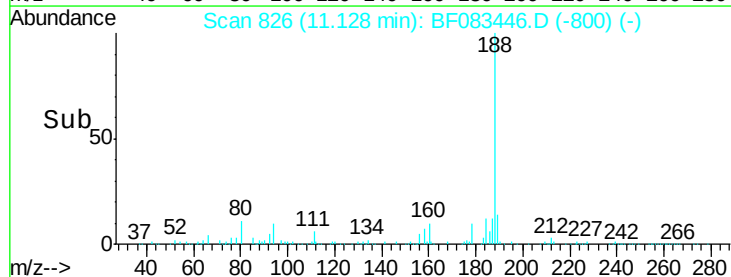
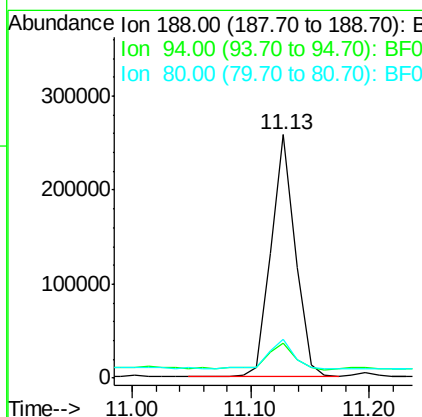
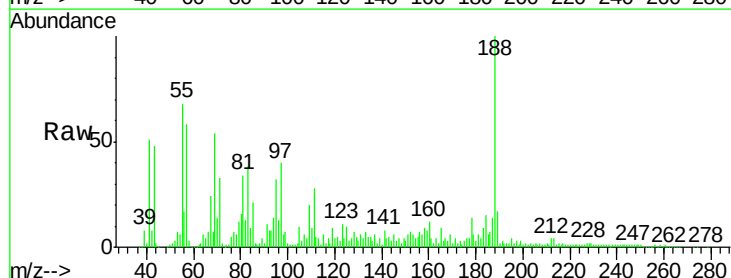
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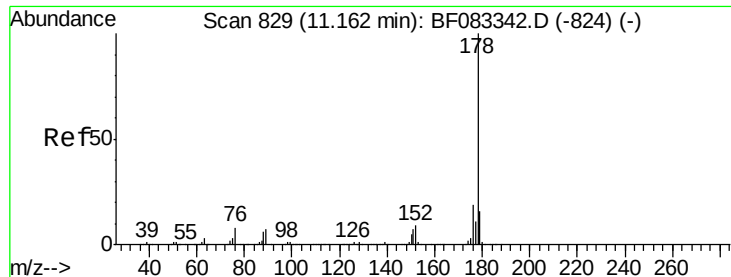
Mmdadoda
 12/3/2015 7:10:05 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BF083446.D
 Acq: 3 Dec 2015 6:22

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	14.5	8.7	13.1#	
80	15.7	10.3	15.5#	





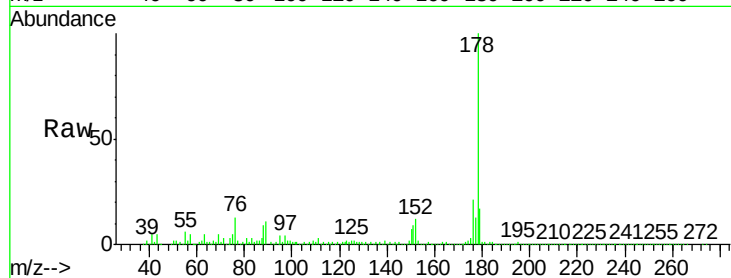
#70
Phenanthrene
Concen: 163.38 ng
RT: 11.16 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF083446.D
Acq: 3 Dec 2015 6:22

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)

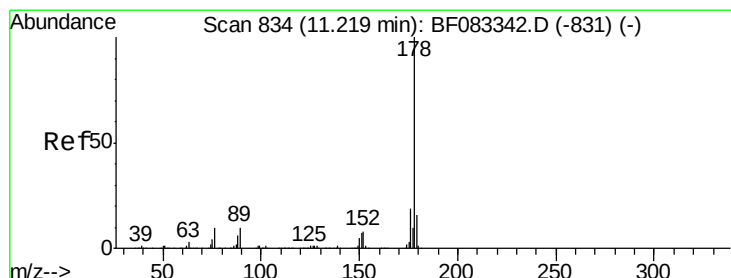
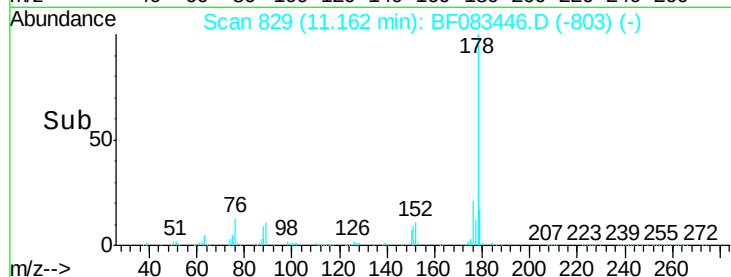
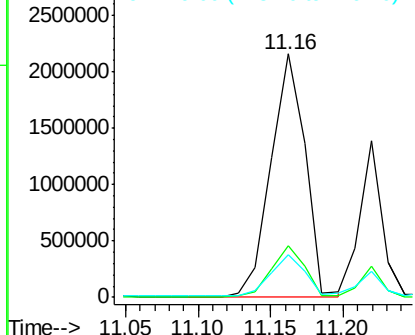
Tot Ion	Ratio	Lower	Upper
178	100		
176	21.2	15.3	22.9
179	17.4	12.4	18.6

Manual Integrations
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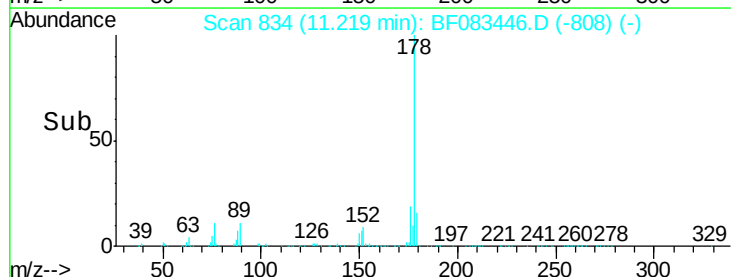
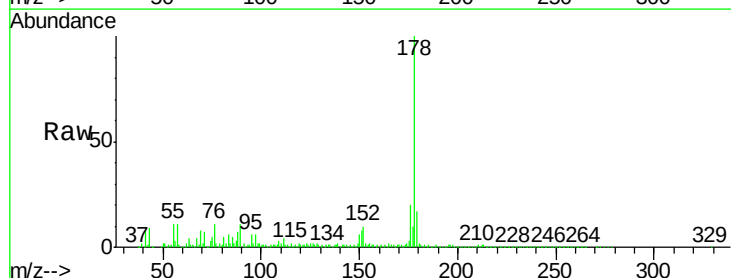
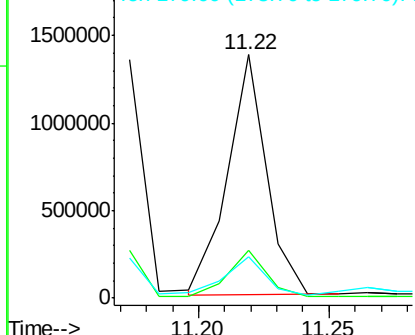
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

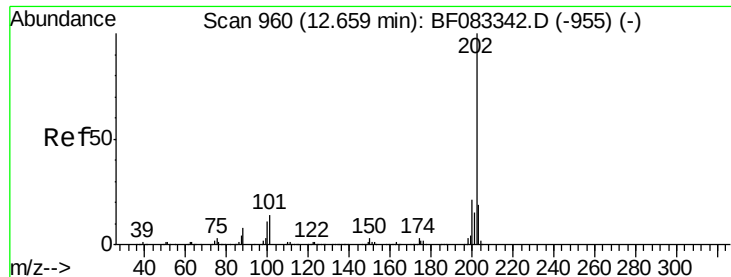


#71
Anthracene
Concen: 66.18 ng
RT: 11.22 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF083446.D
Acq: 3 Dec 2015 6:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	16.8	12.8	19.2

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: 113.09 ng

RT: 12.67 min Scan# 961

Delta R.T. 0.01 min

Lab File: BF083446.D

Acq: 3 Dec 2015 6:22

Instrument :

BNA_F

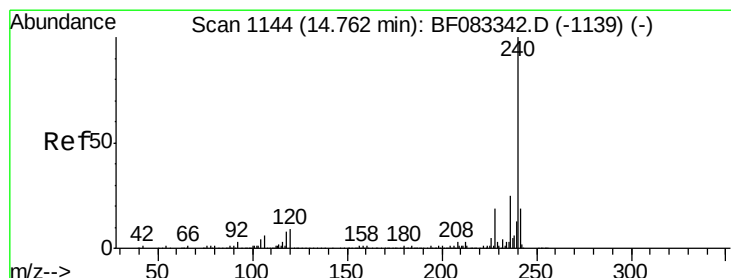
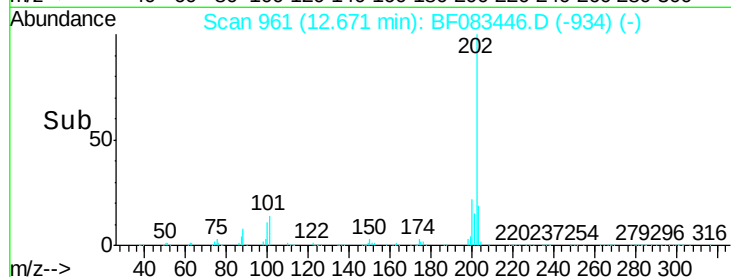
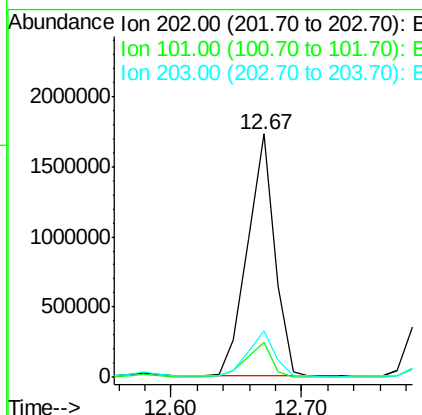
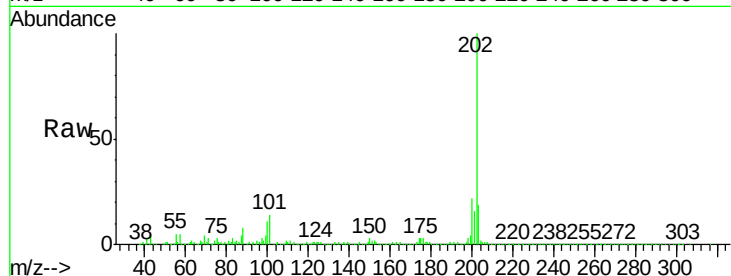
ClientSampleId :

SB-P3WC-08(0-8)

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	34.5
203	19.0	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

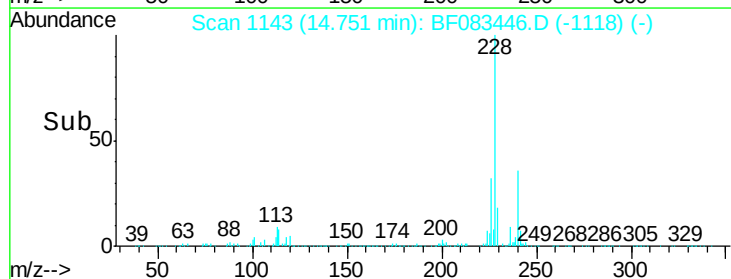
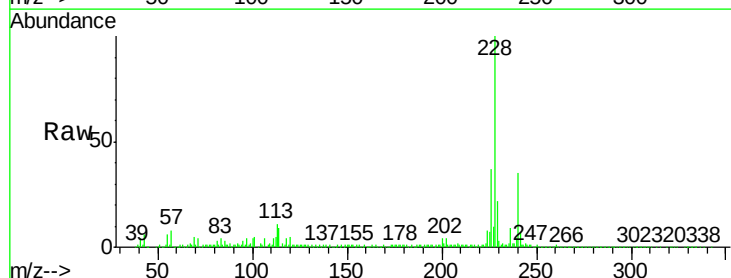
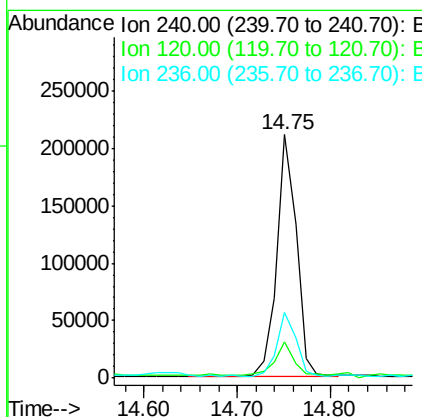
RT: 14.75 min Scan# 1143

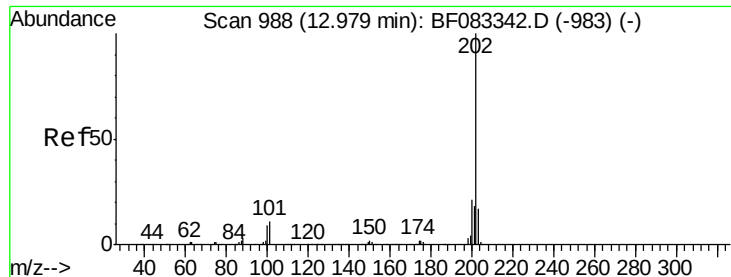
Delta R.T. -0.01 min

Lab File: BF083446.D

Acq: 3 Dec 2015 6:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.8	6.9	10.3#
236	26.8	19.8	29.6





#77

Pvrene

Concen: 171.07 ng

RT: 12.99 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF083446.D

Acq: 3 Dec 2015 6:22

Instrument :

BNA_F

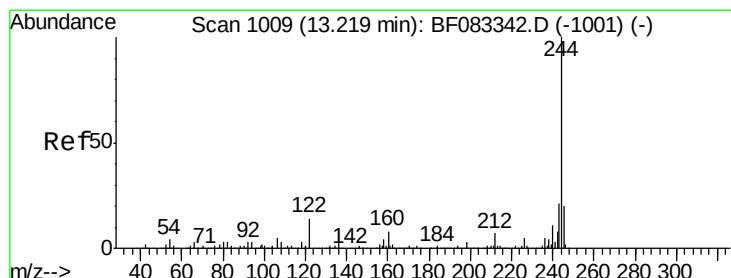
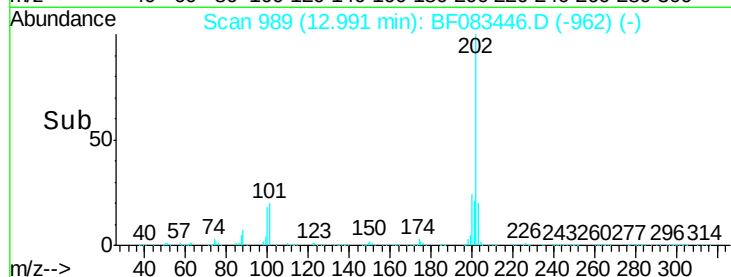
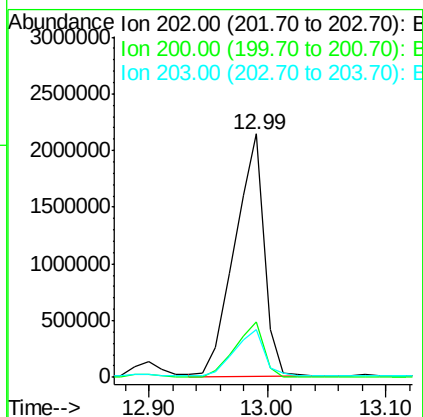
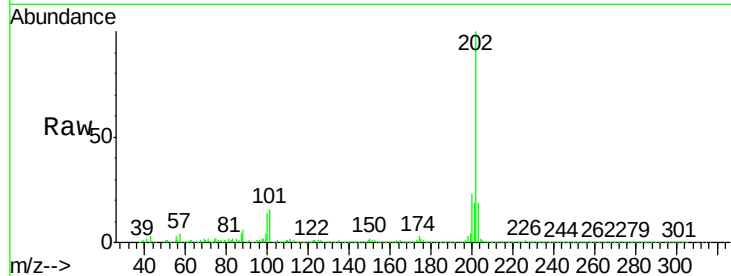
ClientSampleId :

SB-P3WC-08(0-8)

Tot Ion:	202	Resp:	3705345
Ion	Ratio	Lower	Upper
202	100		
200	23.0	16.9	25.3
203	19.5	13.9	20.9

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#78

Terphenyl-d14

Concen: 75.16 ng

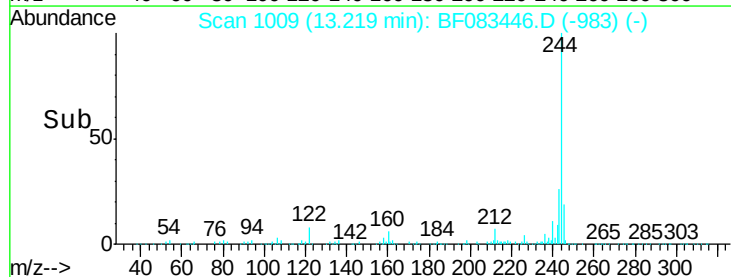
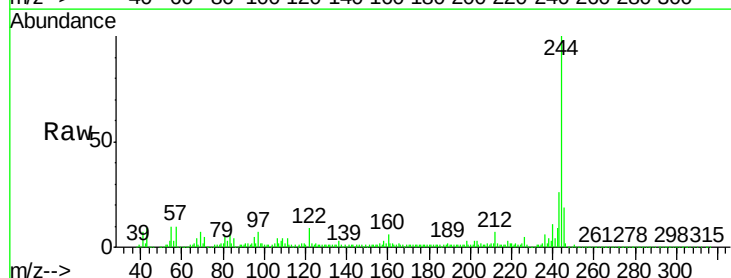
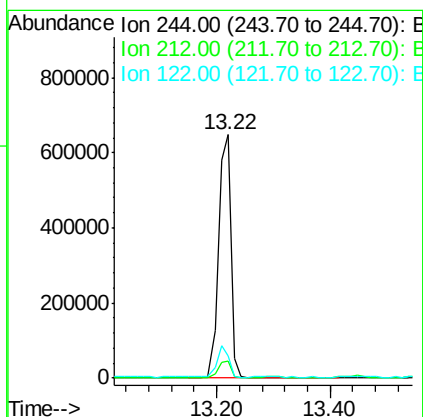
RT: 13.22 min Scan# 1009

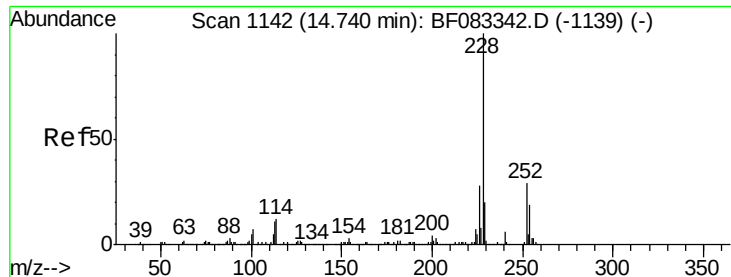
Delta R.T. -0.00 min

Lab File: BF083446.D

Acq: 3 Dec 2015 6:22

Tgt Ion:	244	Resp:	977443
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	8.9	11.0	16.4#





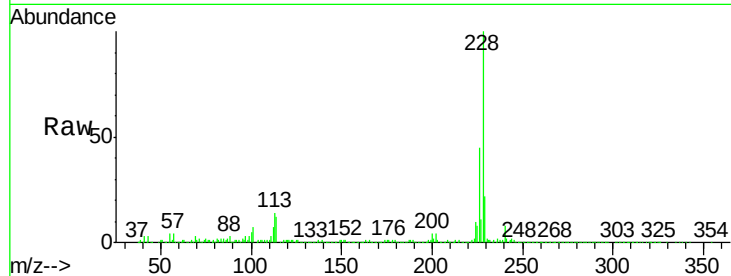
#80
Benzo(a)anthracene
Concen: 91.86 ng m
RT: 14.74 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF083446.D
Acq: 3 Dec 2015 6:22

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)

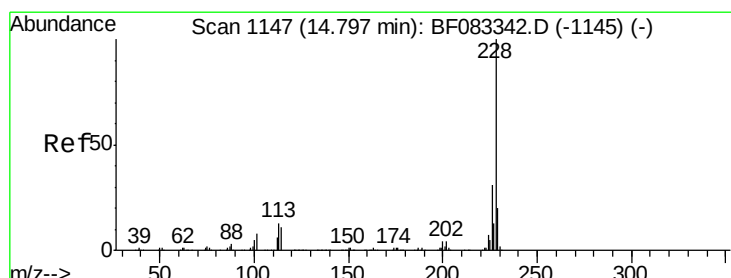
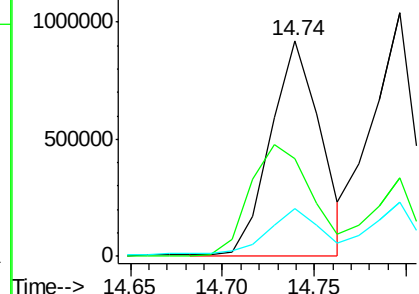
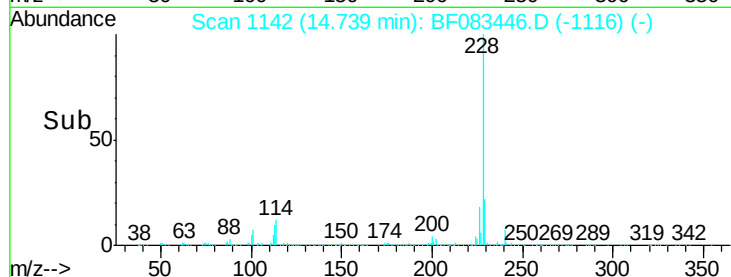
Tot Ion:228 Resp: 1745541
Ion Ratio Lower Upper
228 100
226 45.0 22.2 33.4#
229 22.2 16.1 24.1

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12/3/2015 7:10:05 PM

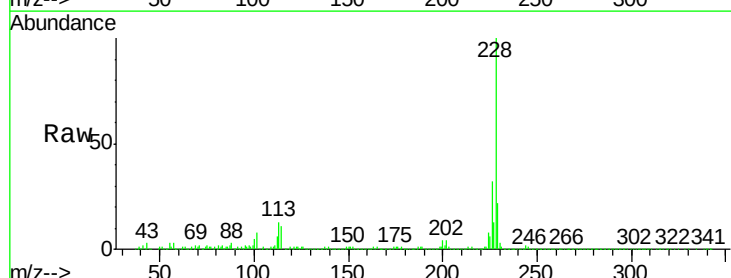


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

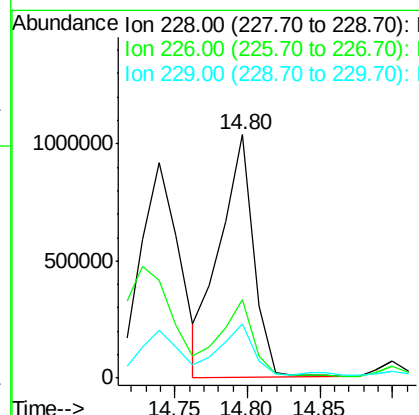
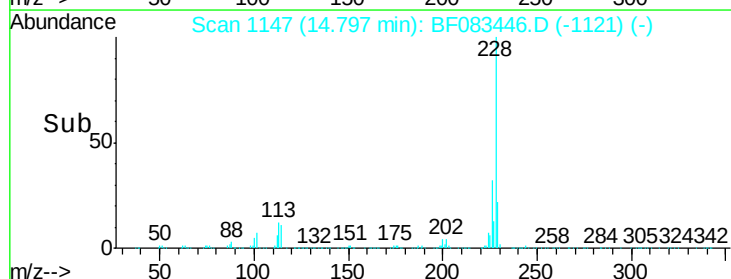


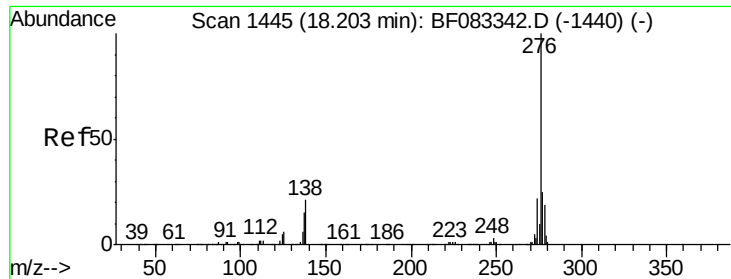
#82
Chrysene
Concen: 91.00 ng
RT: 14.80 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF083446.D
Acq: 3 Dec 2015 6:22

Tgt Ion:228 Resp: 1670660
Ion Ratio Lower Upper
228 100
226 32.0 24.6 37.0
229 22.3 16.2 24.2



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





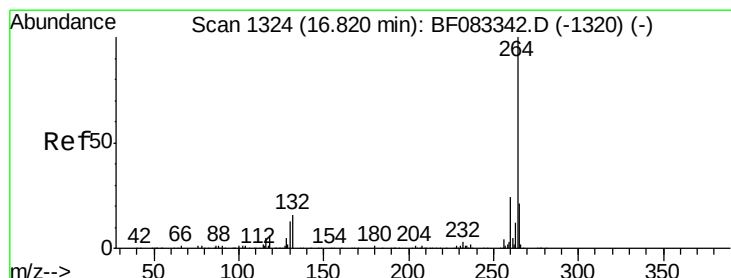
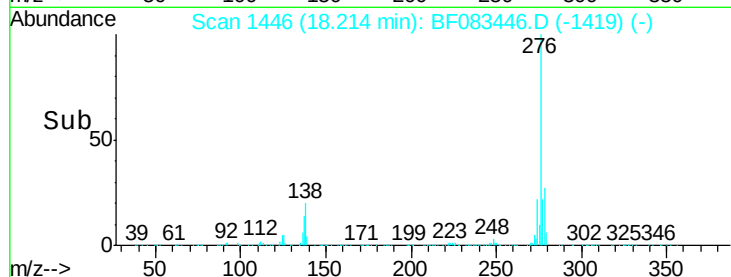
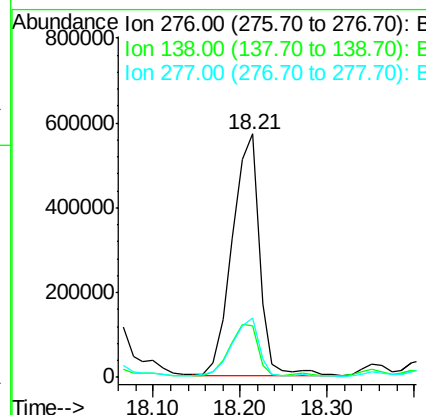
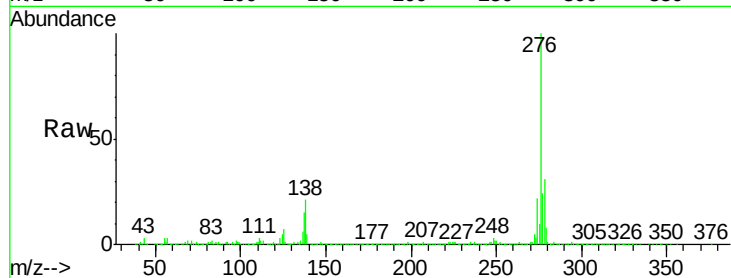
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 92.27 ng
 RT: 18.21 min Scan# 1446
 Delta R.T. 0.01 min
 Lab File: BF083446.D
 Acq: 3 Dec 2015 6:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(0-8)

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	21.2	31.8
277	23.0	20.0	30.0

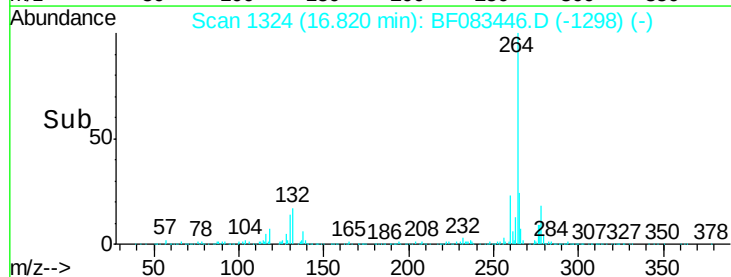
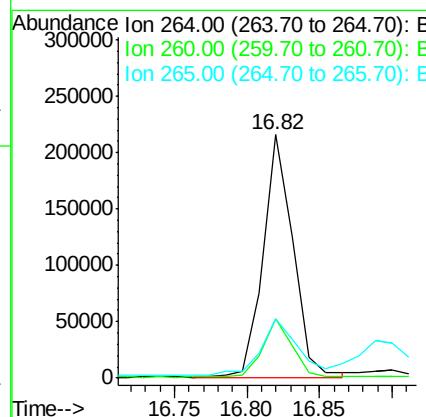
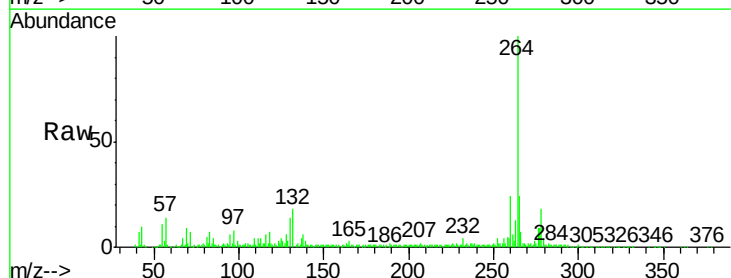
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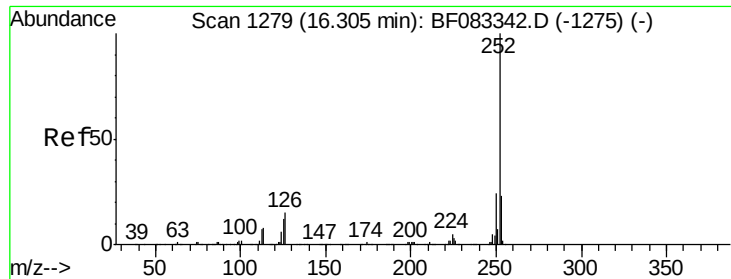
Mmdadoda
 12/3/2015 7:10:05 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.82 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: BF083446.D
 Acq: 3 Dec 2015 6:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	24.5	16.8	25.2





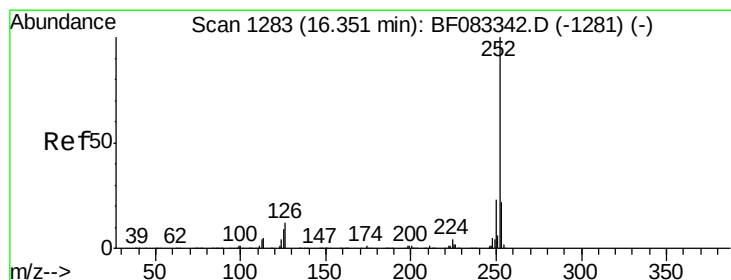
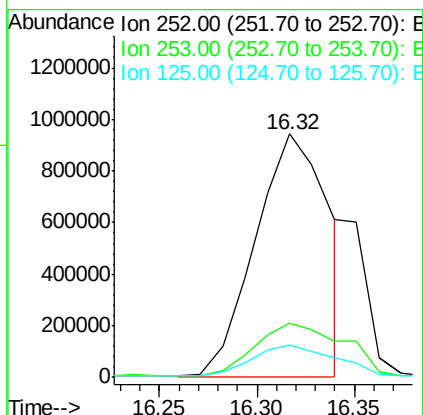
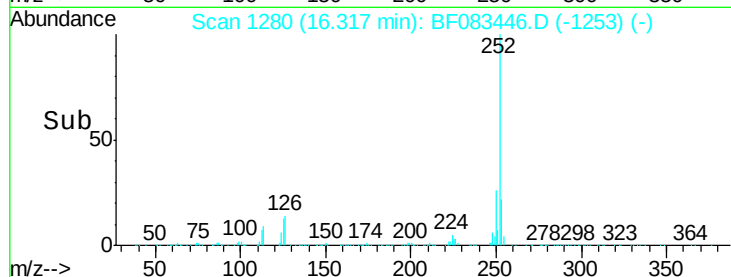
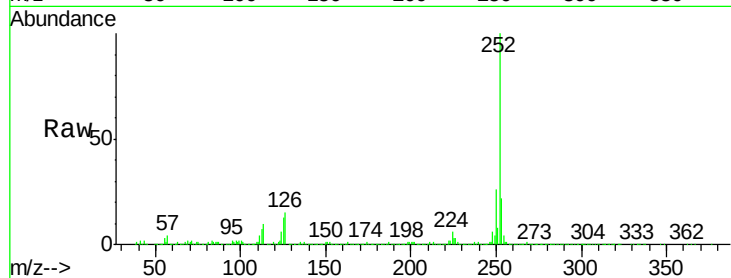
#87
Benzo(b)fluoranthene
Concen: 125.95 ng m
RT: 16.32 min Scan# 1280
Delta R.T. 0.01 min
Lab File: BF083446.D
Acq: 3 Dec 2015 6:22

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	13.5	9.6	14.4

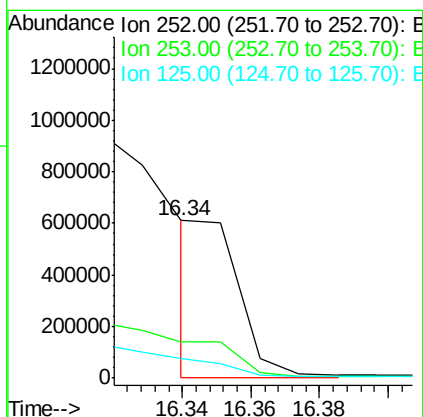
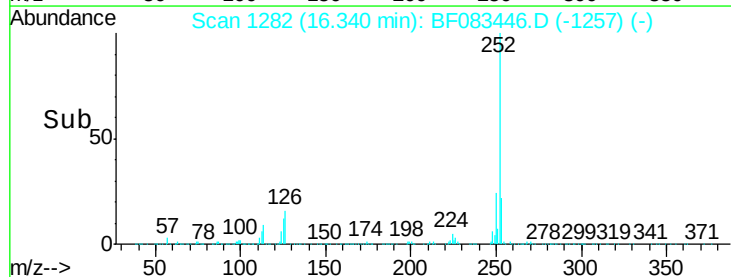
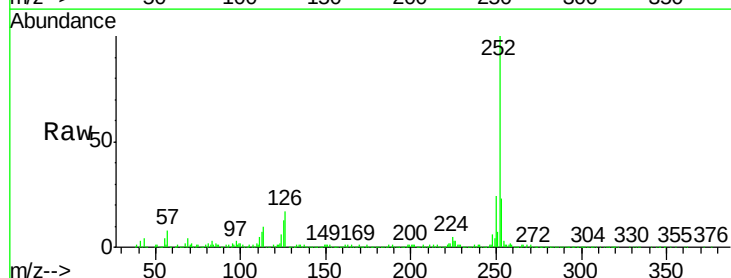
Manual Integrations
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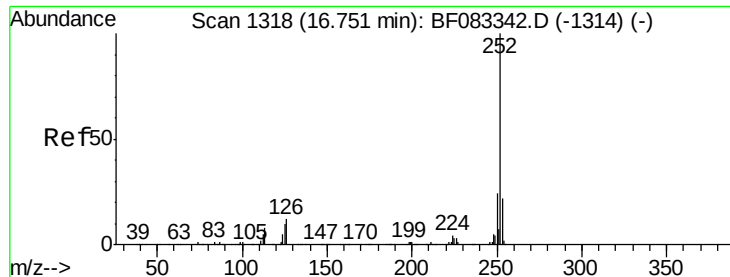
Mmdadoda
12/3/2015 7:10:05 PM



#88
Benzo(k)fluoranthene
Concen: 26.04 ng m
RT: 16.34 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF083446.D
Acq: 3 Dec 2015 6:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	12.8	7.5	11.3





#89

Benzo(a)pyrene

Concen: 127.97 ng

RT: 16.76 min Scan# 1319

Delta R.T. 0.01 min

Lab File: BF083446.D

Acq: 3 Dec 2015 6:22

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(0-8)

Tot Ion:252 Resp: 2162861

Ion Ratio Lower Upper

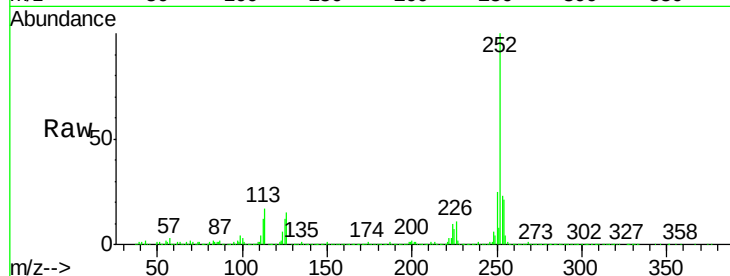
252 100

253 23.4 17.5 26.3

125 12.3 7.8 11.8#

Manual Integrations
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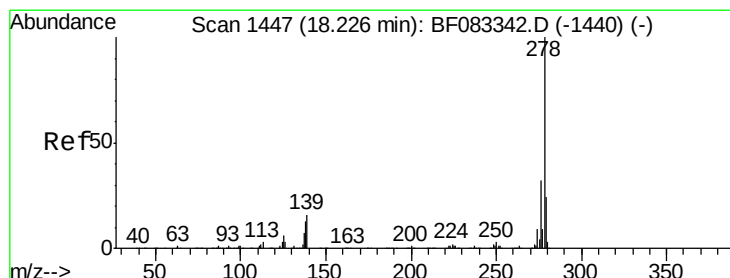
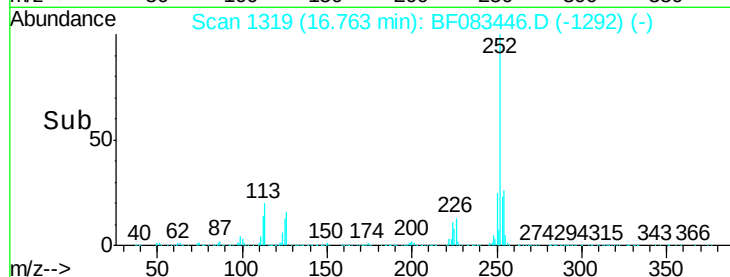
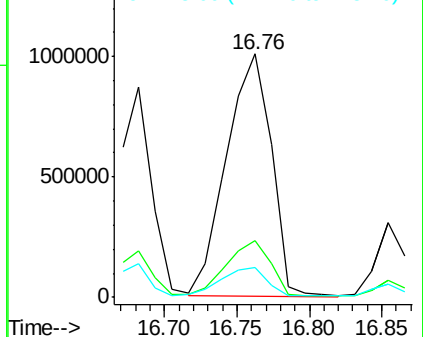
Mmdadoda
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 18.95 ng

RT: 18.21 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF083446.D

Acq: 3 Dec 2015 6:22

Tgt Ion:278 Resp: 279009

Ion Ratio Lower Upper

278 100

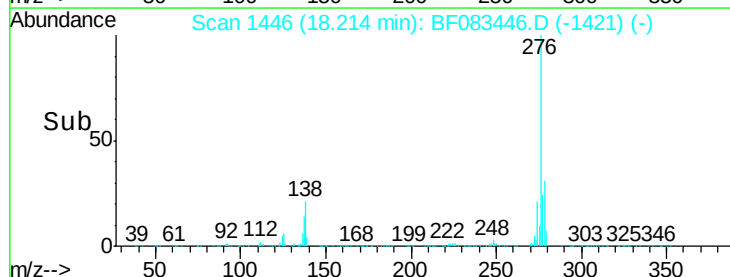
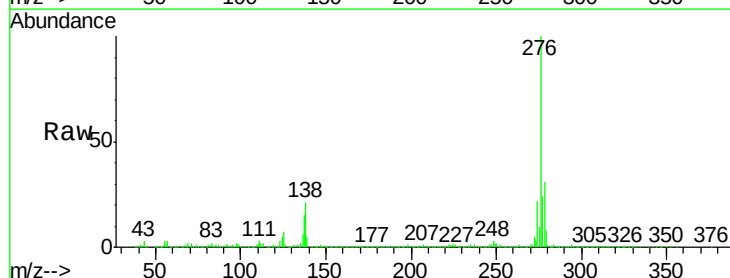
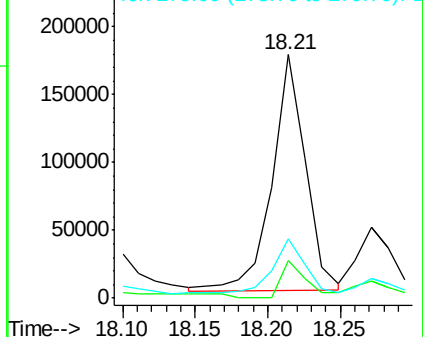
139 15.5 13.1 19.7

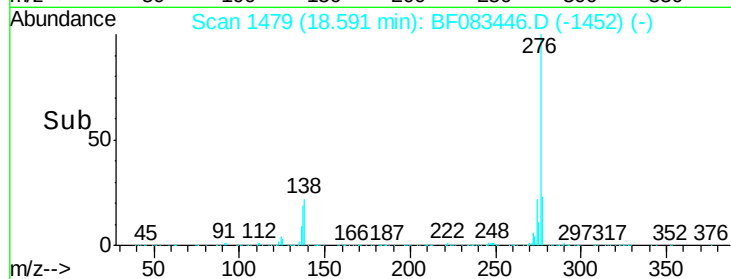
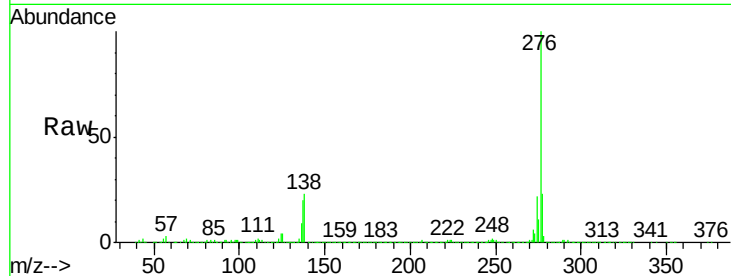
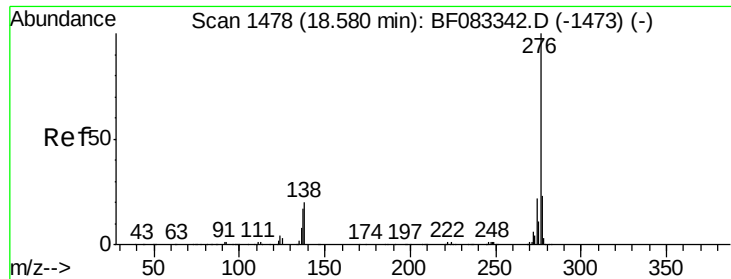
279 24.2 19.2 28.8

Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 99.03 ng

RT: 18.59 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BF083446.D

Acq: 3 Dec 2015 6:22

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(0-8)

Tot Ion: 276 Resp: 1431373

Ion Ratio Lower Upper

276 100

277 23.4 18.6 28.0

138 22.7 16.1 24.1

Manual Integrations
APPROVED

Mmdadoda
12/3/2015 7:10:05 PM

