

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
 Data File : BF081509.D
 Acq On : 6 Sep 2015 14:47
 Operator : UM/IZ
 Sample : G3472-04
 Misc :
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB004

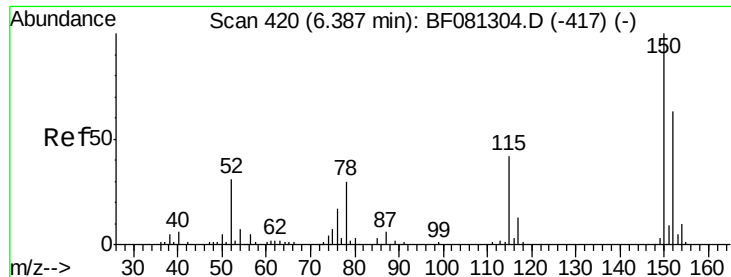
Manual Integrations
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 9/8/2015 3:58:26 PM

Quant Time: Sep 07 06:51:21 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 07 05:41:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	49645	20.00	ng	-0.01
21) Naphthalene-d8	7.64	136	194557	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	80669	20.00	ng	-0.01
63) Phenanthrene-d10	10.86	188	147638	20.00	ng	0.00
75) Chrysene-d12	13.46	240	108979	20.00	ng	0.00
86) Perylene-d12	14.78	264	85775	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	288396	90.13	ng	0.01
7) Phenol-d6	6.03	99	448055	105.79	ng	0.00
23) Nitrobenzene-d5	6.94	82	284405	70.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.17	330	63177	87.96	ng	-0.01
44) 2-Fluorobiphenyl	8.73	172	439491	69.82	ng	-0.01
78) Terphenyl-d14	12.43	244	251682	53.76	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.13	163	72570	11.58	ng	# 97
70) Phenanthrene	10.88	178	187263	22.82	ng	97
71) Anthracene	10.92	178	47638	5.65	ng	99
72) Carbazole	11.10	167	16083	2.03	ng	97
74) Fluoranthene	12.04	202	249138	28.04	ng	91
77) Pyrene	12.27	202	234464	29.04	ng	99
80) Benzo(a)anthracene	13.45	228	105296m	15.17	ng	
82) Chrysene	13.49	228	100543m	16.16	ng	
83) Bis(2-ethylhexyl)phthalate	13.49	149	13000	2.81	ng	# 85
85) Indeno(1,2,3-cd)pyrene	15.84	276	39420	8.64	ng	# 84
87) Benzo(b)fluoranthene	14.45	252	108637m	17.74	ng	
88) Benzo(k)fluoranthene	14.46	252	33901m	6.67	ng	
89) Benzo(a)pyrene	14.72	252	72816	14.03	ng	# 87
90) Dibenzo(a,h)anthracene	15.85	278	9009	2.25	ng	96
91) Benzo(g,h,i)perylene	16.16	276	33662	8.80	ng	# 77

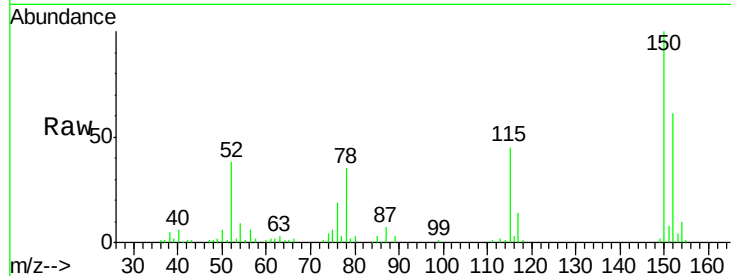
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.35 min Scan# 417
Delta R.T. -0.01 min
Lab File: BF081509.D
Acq: 6 Sep 2015 14:47

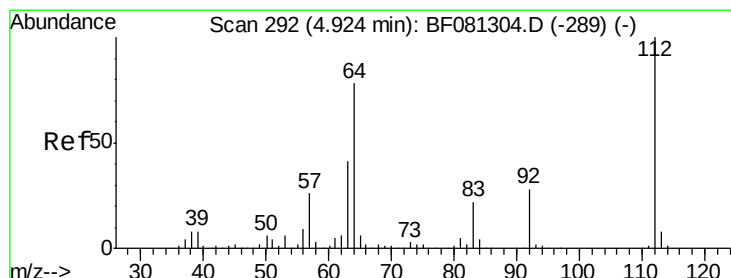
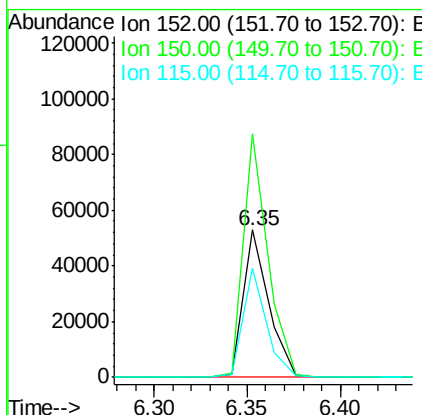
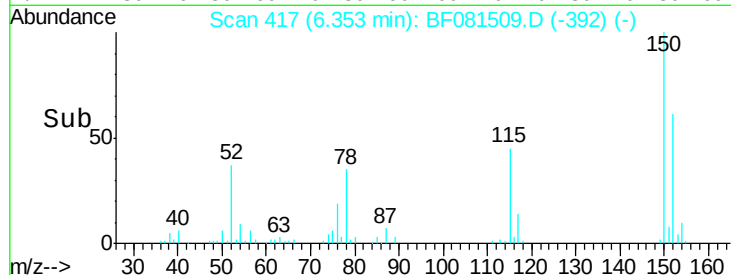
Instrument :
BNA_F
ClientSampleId :
SB004



Tgt Ion	Ratio	Lower	Upper
152	100		
150	165.0	124.7	187.1
115	73.8	39.0	58.4#

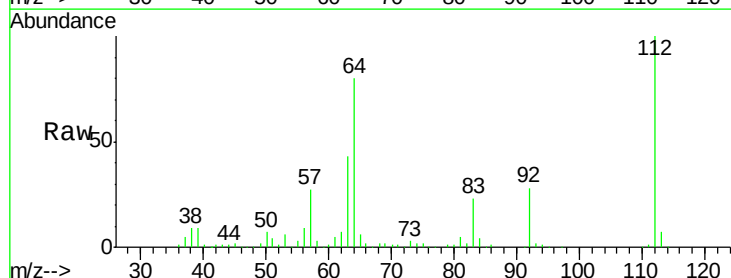
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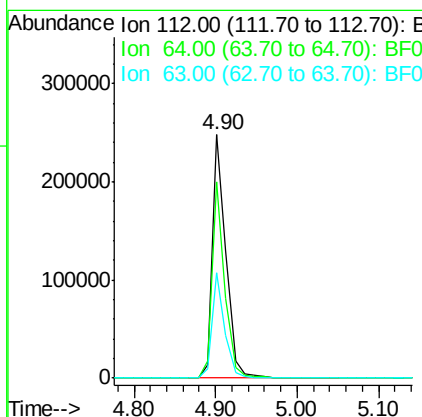
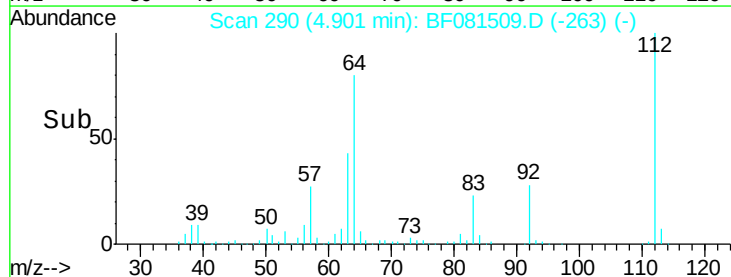


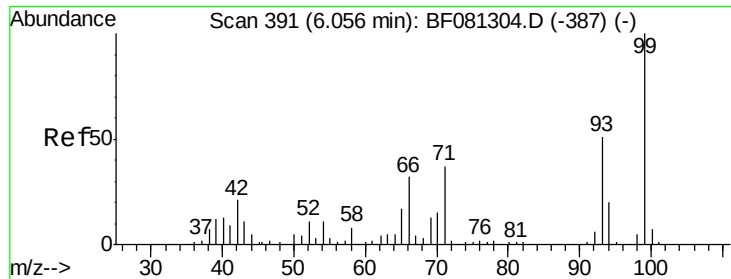
#5

2-Fluorophenol
Concen: 90.13 ng
RT: 4.90 min Scan# 290
Delta R.T. 0.01 min
Lab File: BF081509.D
Acq: 6 Sep 2015 14:47



Tgt Ion	Ratio	Lower	Upper
112	100		
64	80.5	39.7	59.5#
63	43.1	17.4	26.0#





#7

Phenol-d6

Concen: 105.79 ng

RT: 6.03 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF081509.D

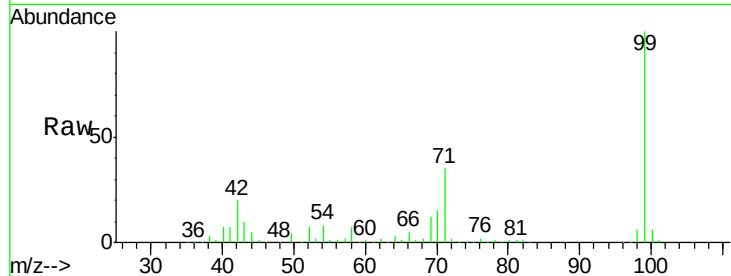
Acq: 6 Sep 2015 14:47

Instrument :

BNA_F

ClientSampled :

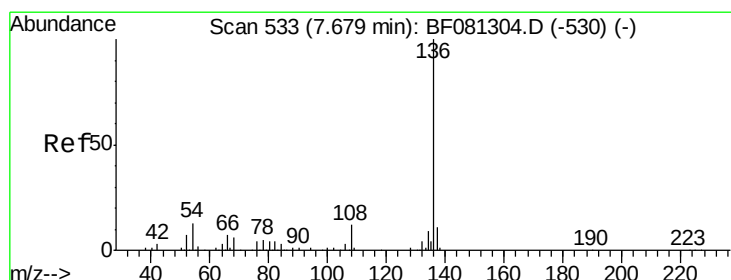
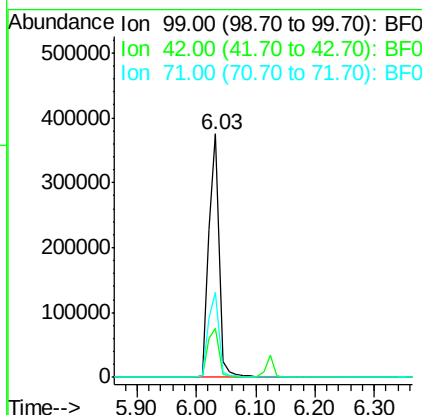
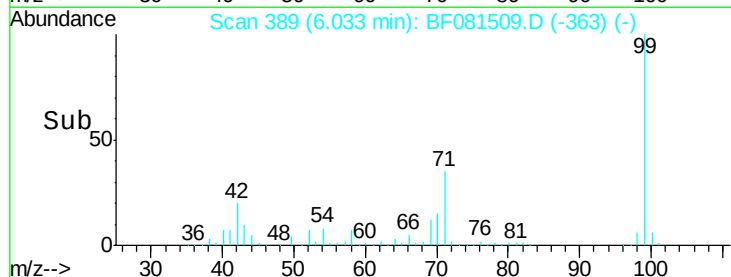
SB004



Tgt Ion	Ratio	Lower	Upper
99	100		
42	20.1	13.7	20.5
71	35.0	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

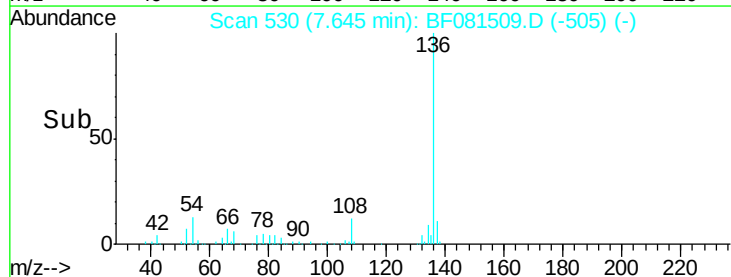
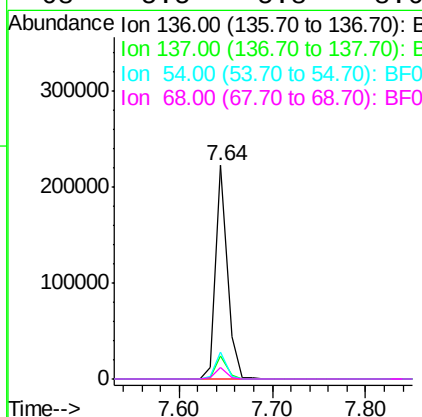
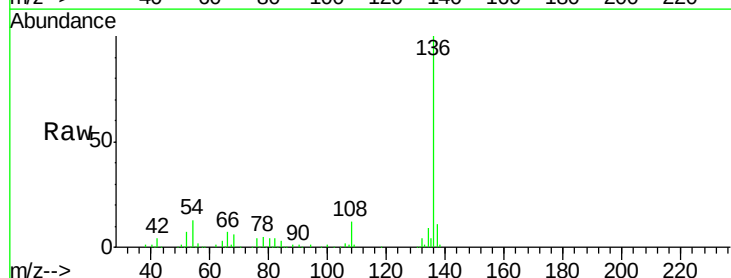
RT: 7.64 min Scan# 530

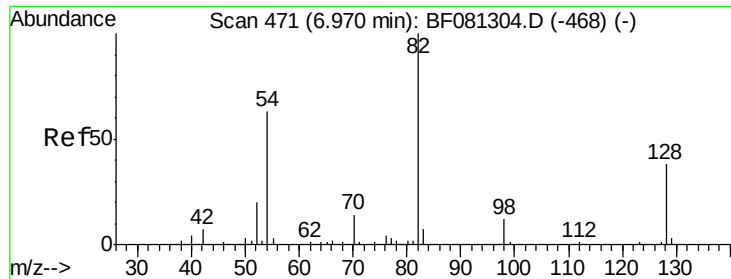
Delta R.T. -0.01 min

Lab File: BF081509.D

Acq: 6 Sep 2015 14:47

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	12.8	8.2	12.2#
68	5.5	5.8	8.6#





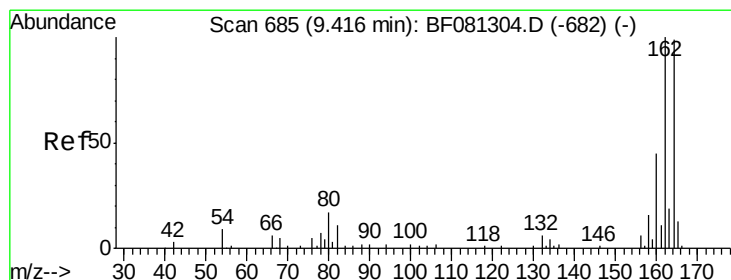
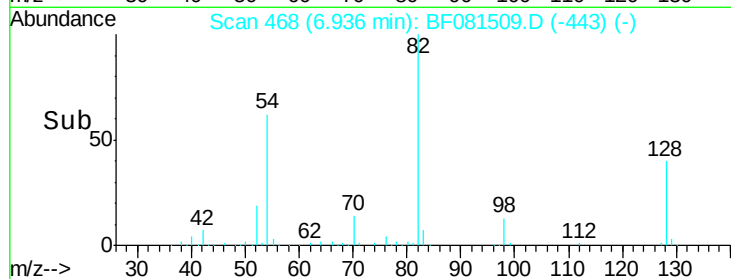
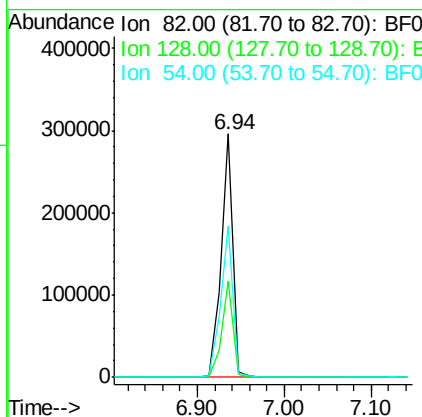
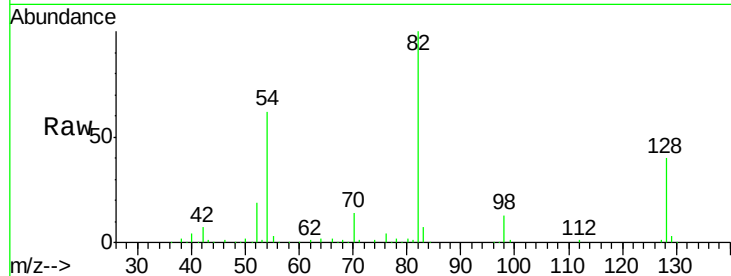
#23
 Nitrobenzene-d5
 Concen: 70.53 ng
 RT: 6.94 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: BF081509.D
 Acq: 6 Sep 2015 14:47

Instrument :
 BNA_F
 ClientSampleId :
 SB004

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	284405		
128	39.8	51.0	76.6#	
54	62.1	47.5	71.3	

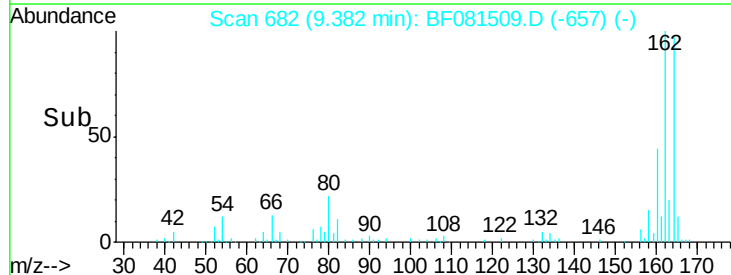
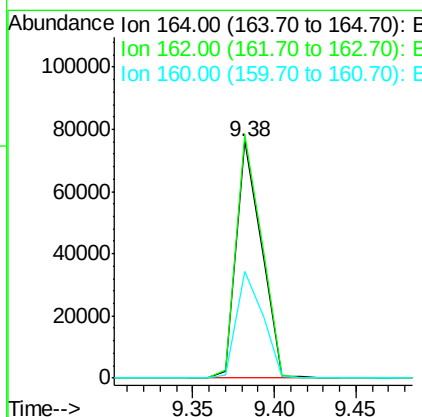
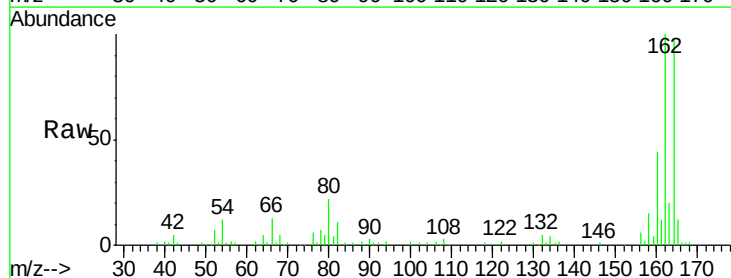
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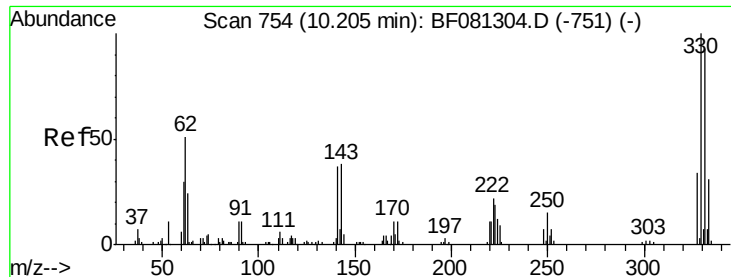
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF081509.D
 Acq: 6 Sep 2015 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80669		
162	102.7	75.2	112.8	
160	45.2	31.5	47.3	





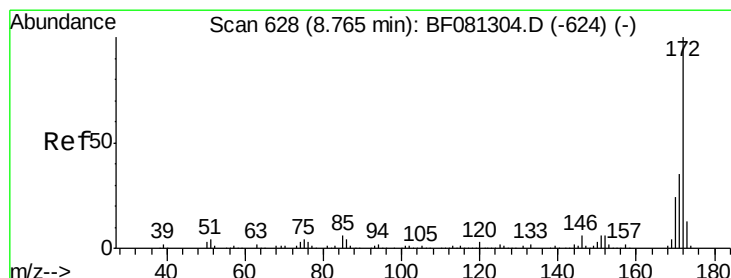
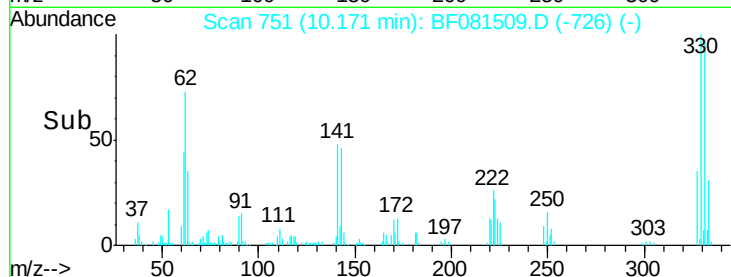
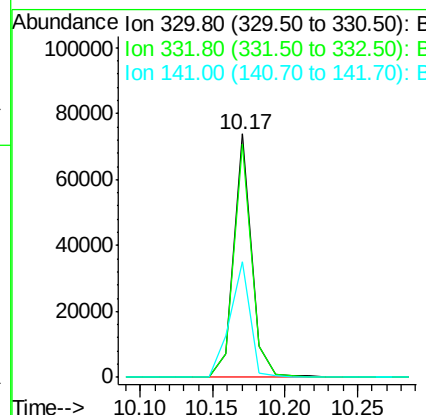
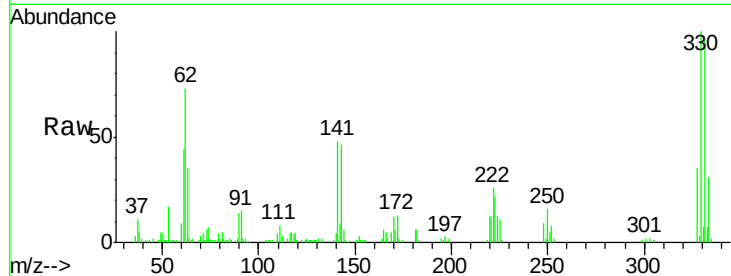
#41
 2,4,6-Tribromophenol
 Concen: 87.96 ng
 RT: 10.17 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF081509.D
 Acq: 6 Sep 2015 14:47

Instrument :
 BNA_F
 ClientSampleID :
 SB004

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	63177		
332	96.3	76.6	114.8	
141	54.3	29.7	44.5#	

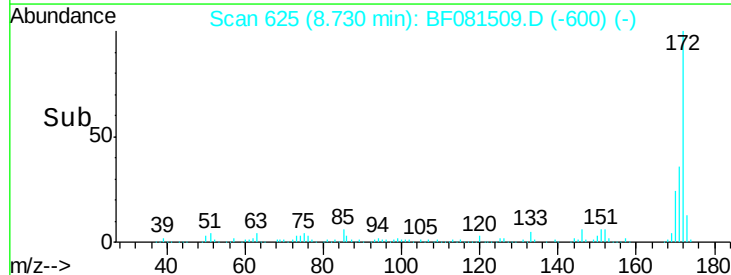
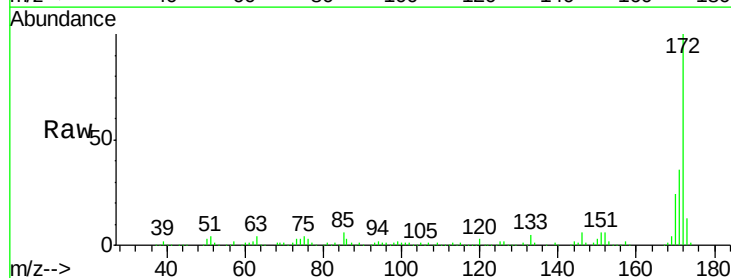
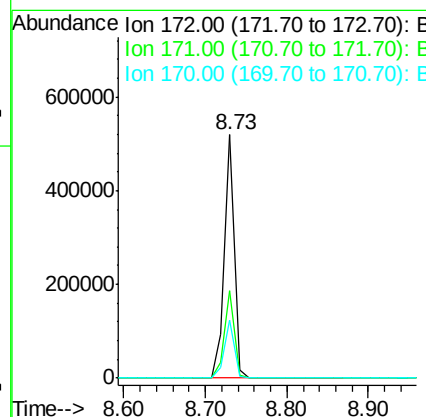
Manual Integrations
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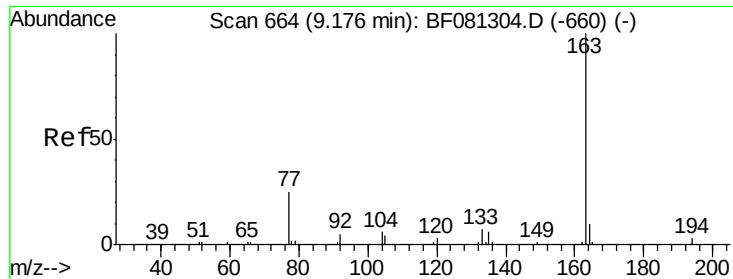
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#44
 2-Fluorobiphenyl
 Concen: 69.82 ng
 RT: 8.73 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF081509.D
 Acq: 6 Sep 2015 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	439491		
171	35.9	26.1	39.1	
170	23.6	17.4	26.2	





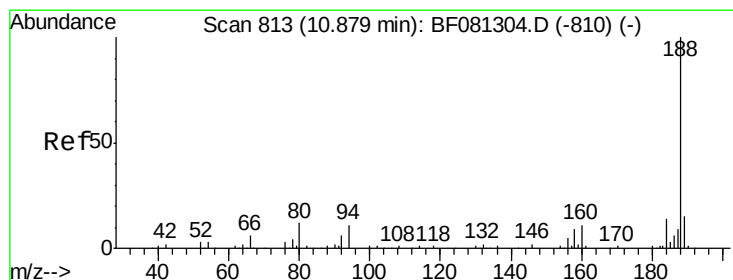
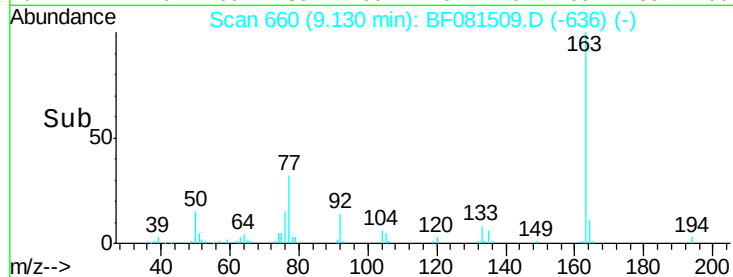
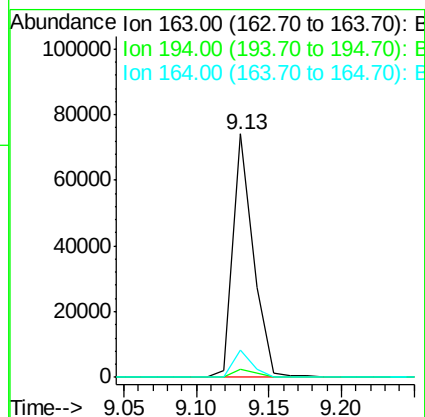
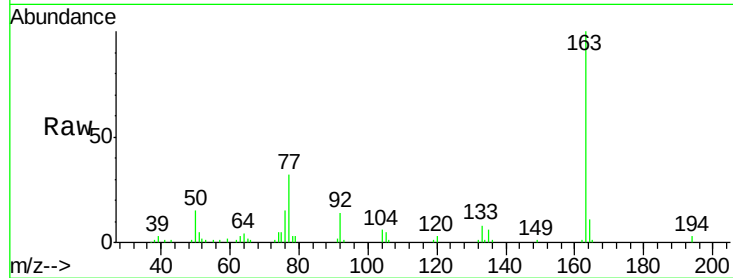
#49
Dimethylphthalate
Concen: 11.58 ng
RT: 9.13 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF081509.D
Acq: 6 Sep 2015 14:47

Instrument :
BNA_F
ClientSampled :
SB004

Tgt Ion:163 Resp: 72570
Ion Ratio Lower Upper
163 100
194 3.2 4.4 6.6#
164 11.0 8.3 12.5

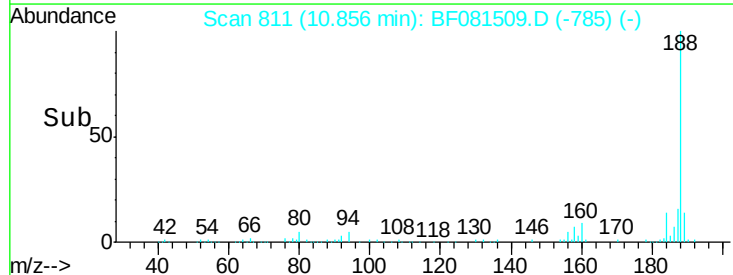
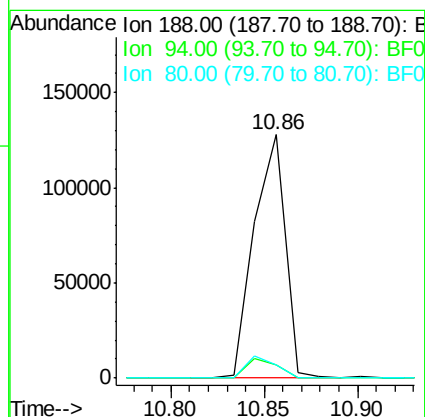
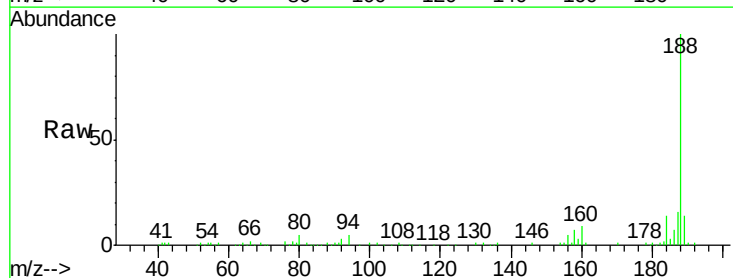
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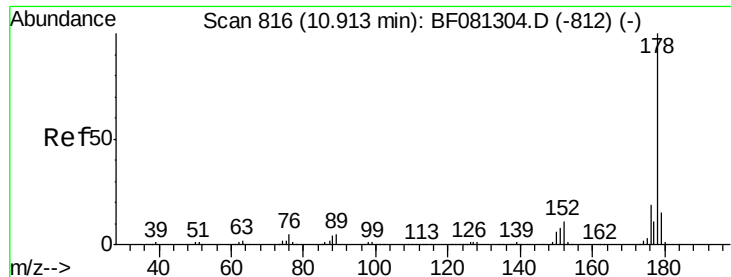
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF081509.D
Acq: 6 Sep 2015 14:47

Tgt Ion:188 Resp: 147638
Ion Ratio Lower Upper
188 100
94 5.3 11.1 16.7#
80 5.4 11.0 16.4#





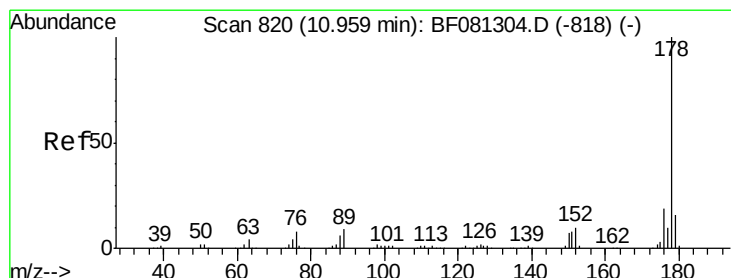
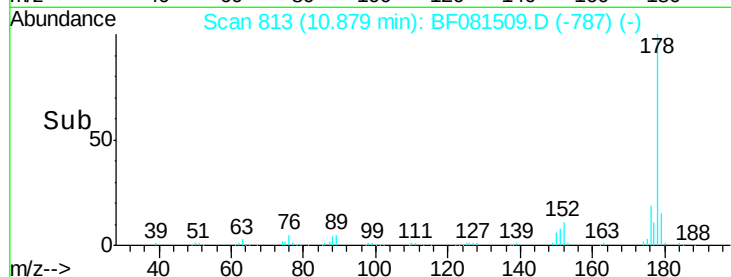
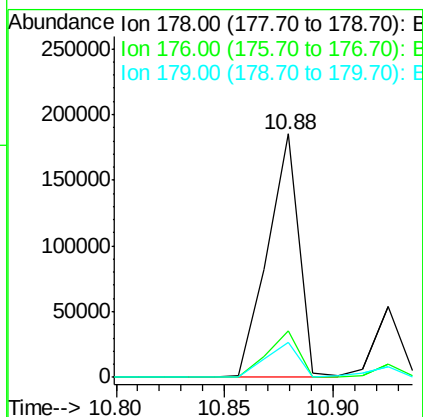
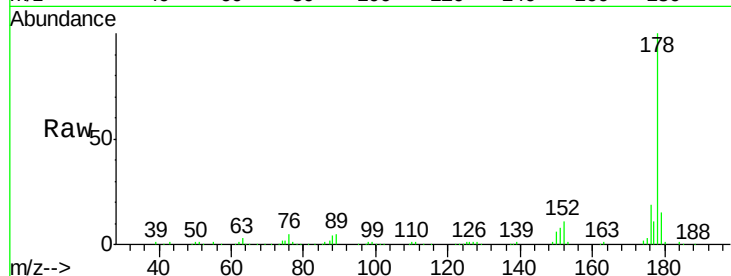
#70
Phenanthrene
Concen: 22.82 ng
RT: 10.88 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF081509.D
Acq: 6 Sep 2015 14:47

Instrument :
BNA_F
ClientSampleId :
SB004

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	187263		
176	19.2		13.8	20.8
179	14.5		12.2	18.2

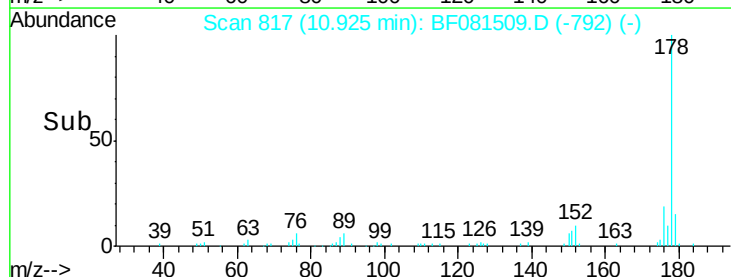
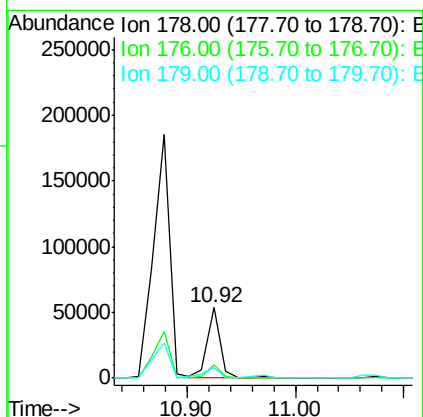
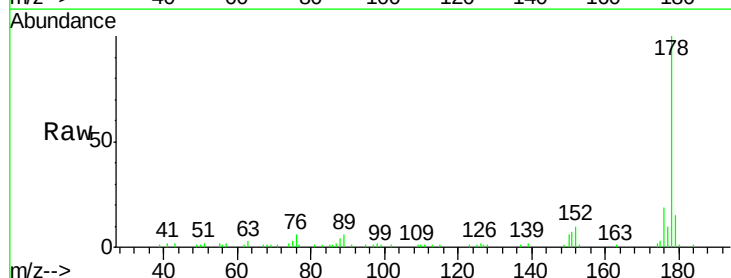
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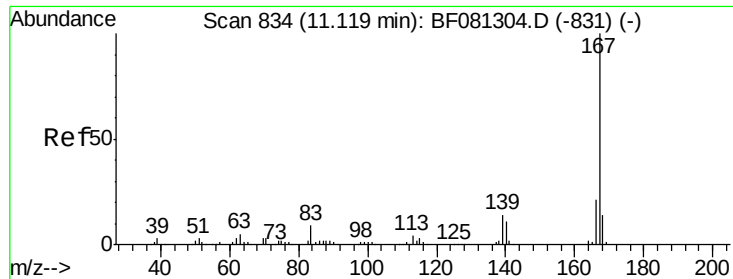
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#71
Anthracene
Concen: 5.65 ng
RT: 10.92 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF081509.D
Acq: 6 Sep 2015 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	47638		
176	18.5		14.1	21.1
179	15.1		12.2	18.2





#72

Carbazole

Concen: 2.03 ng

RT: 11.10 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF081509.D

Acq: 6 Sep 2015 14:47

Instrument :

BNA_F

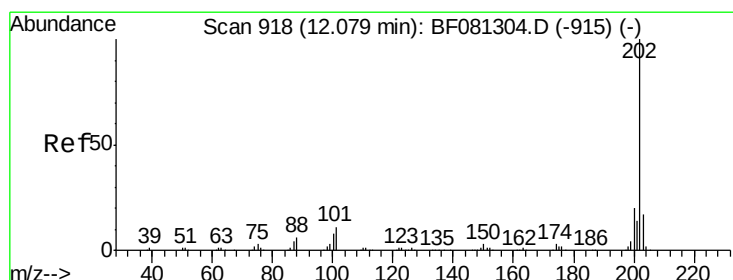
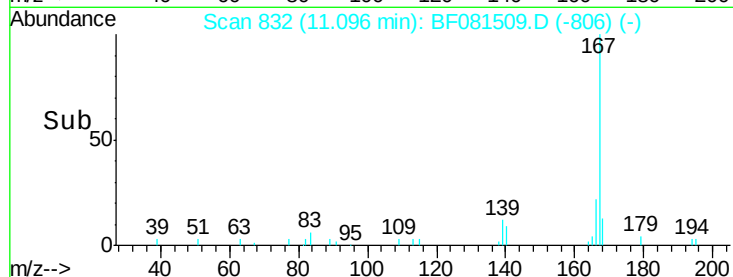
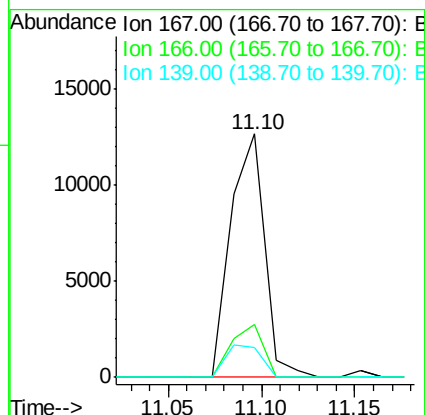
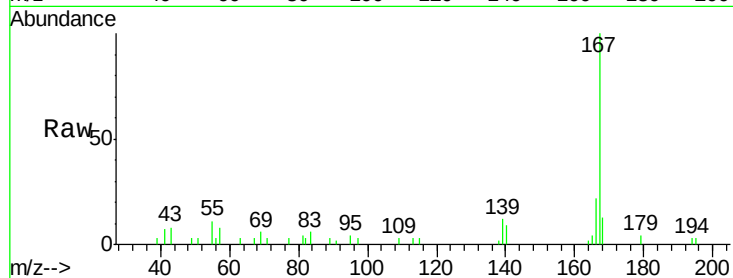
ClientSampleId :

SB004

Tgt Ion:	167	Resp:	16083
Ion Ratio	Lower	Upper	
167	100		
166	21.7	15.7	23.5
139	12.2	9.5	14.3

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#74

Fluoranthene

Concen: 28.04 ng

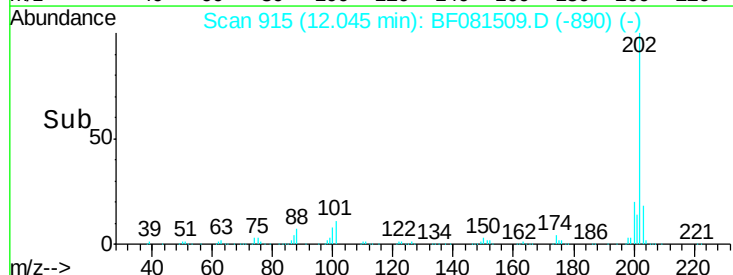
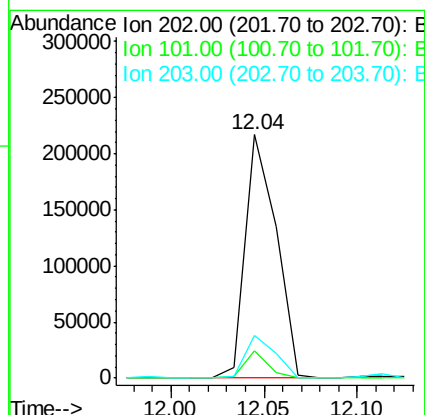
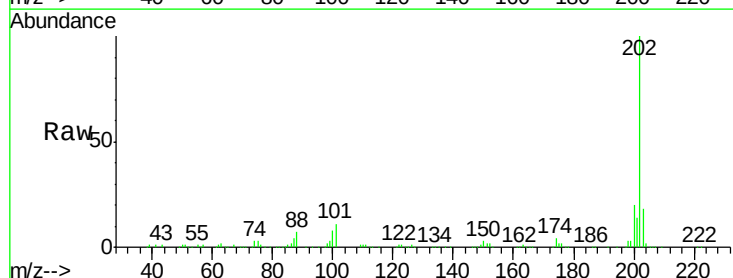
RT: 12.04 min Scan# 915

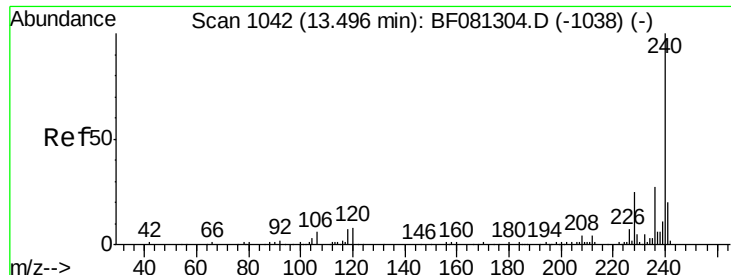
Delta R.T. -0.01 min

Lab File: BF081509.D

Acq: 6 Sep 2015 14:47

Tgt Ion:	202	Resp:	249138
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	38.3
203	17.8	0.0	37.3





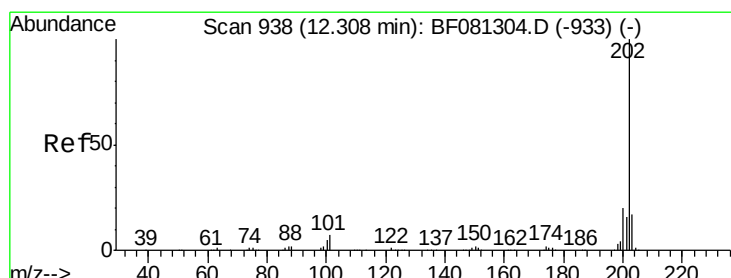
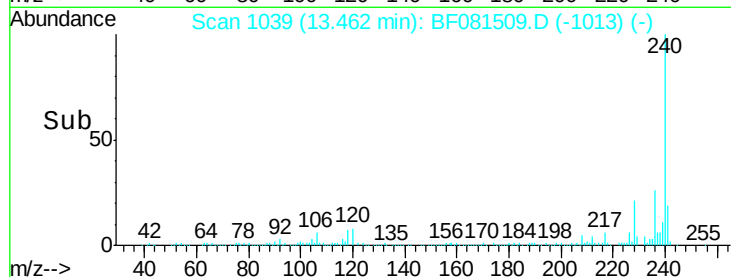
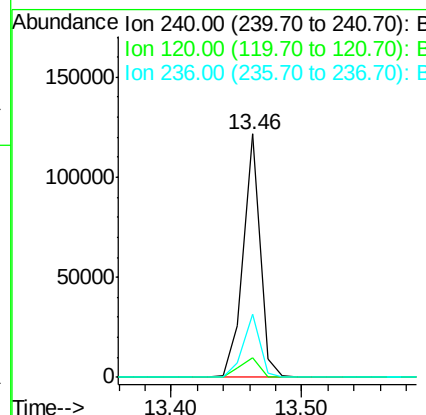
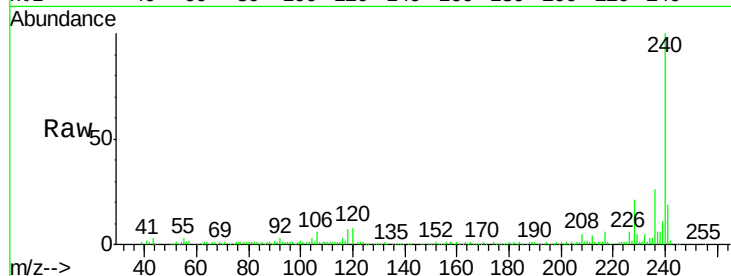
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.46 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF081509.D
Acq: 6 Sep 2015 14:47

Instrument :
BNA_F
ClientSampleId :
SB004

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	108979		
120	8.1	16.2	24.2#	
236	25.7	18.4	27.6	

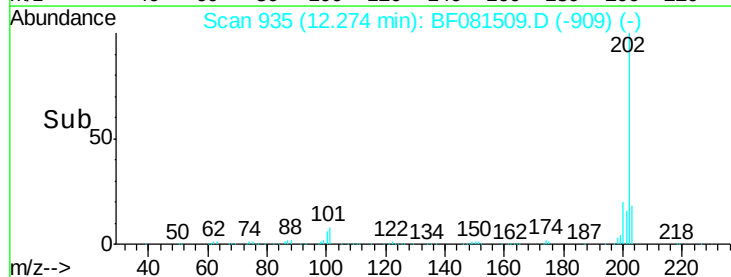
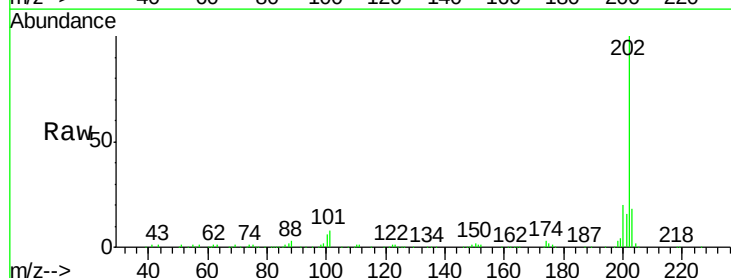
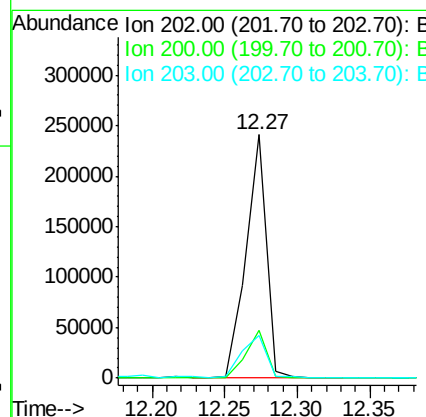
Manual Integrations
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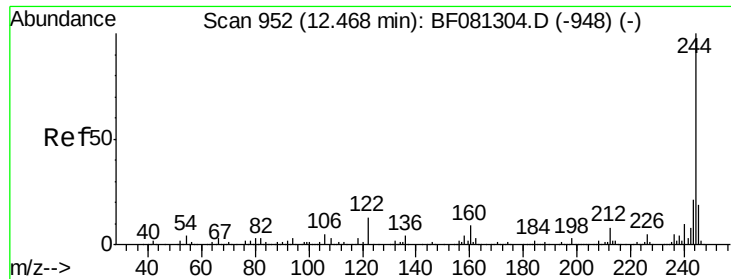
MMDadoda
9/8/2015 3:58:26 PM



#77
Pyrene
Concen: 29.04 ng
RT: 12.27 min Scan# 935
Delta R.T. -0.00 min
Lab File: BF081509.D
Acq: 6 Sep 2015 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	234464		
200	19.8	15.0	22.4	
203	17.7	14.1	21.1	





#78

Terphenyl-d14

Concen: 53.76 ng

RT: 12.43 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF081509.D

Acq: 6 Sep 2015 14:47

Instrument :

BNA_F

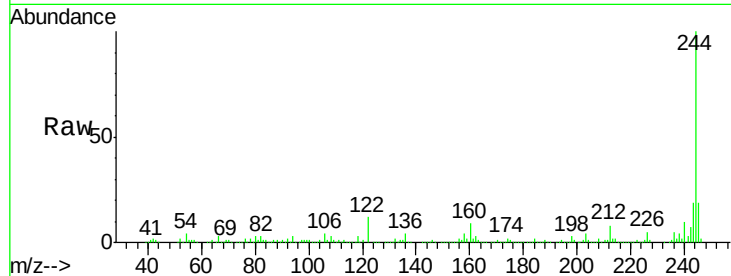
ClientSampleId :

SB004

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.9	4.3	6.5#
122	11.9	17.4	26.2#

Manual Integrations
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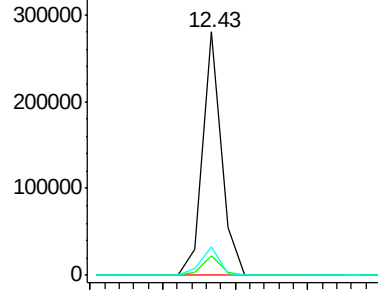
MMDadoda
9/8/2015 3:58:26 PM



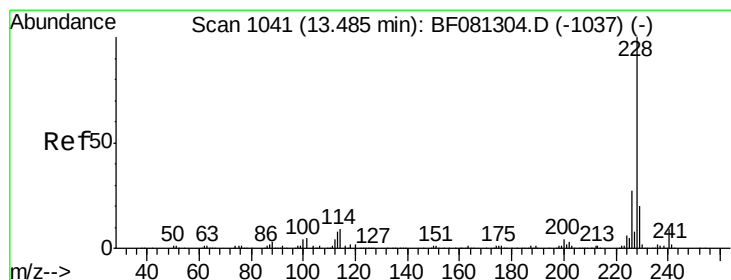
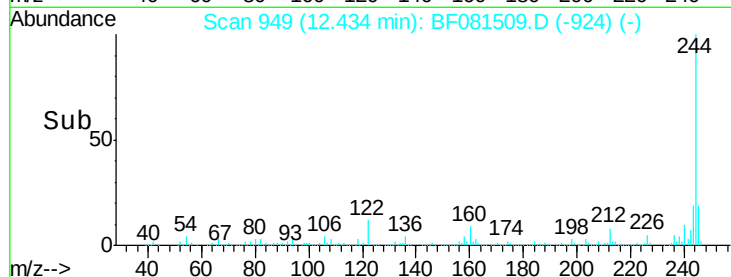
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.35 12.40 12.45 12.50



#80

Benzo(a)anthracene

Concen: 15.17 ng m

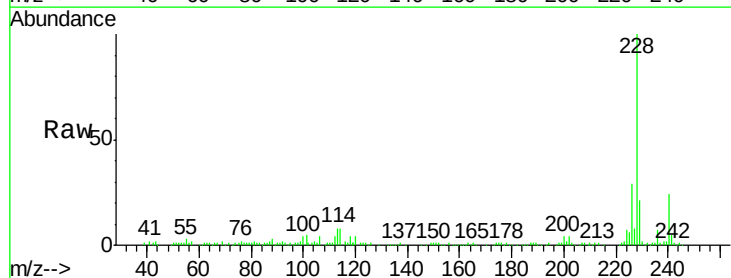
RT: 13.45 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BF081509.D

Acq: 6 Sep 2015 14:47

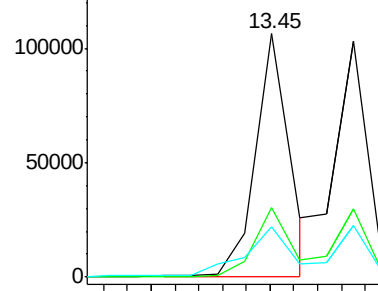
Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.8	20.0	30.0
229	20.5	15.4	23.2



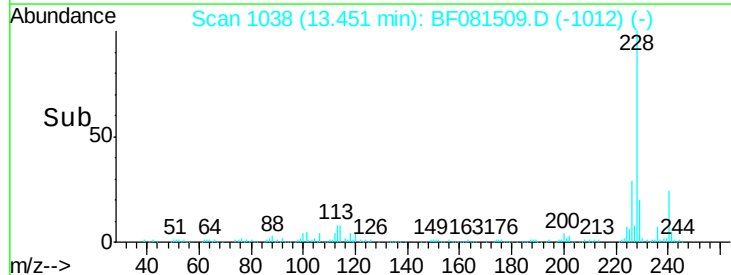
Abundance Ion 228.00 (227.70 to 228.70): E

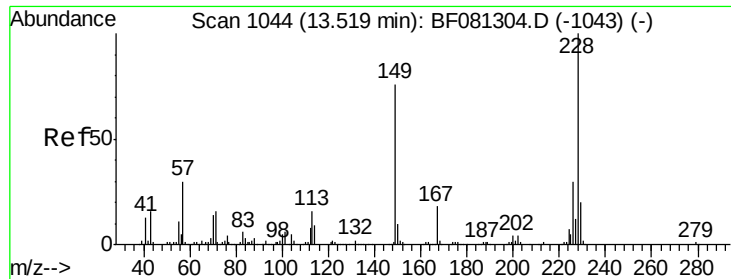
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 13.40 13.45





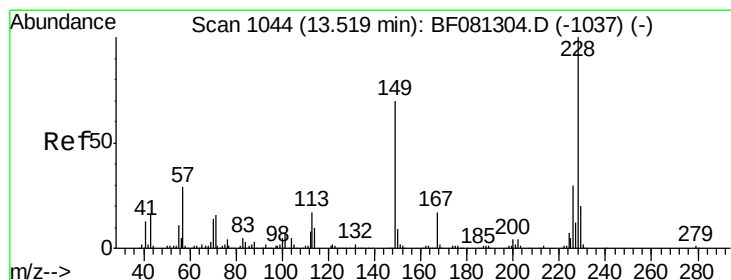
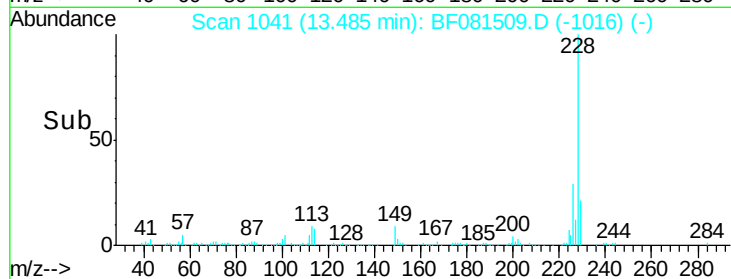
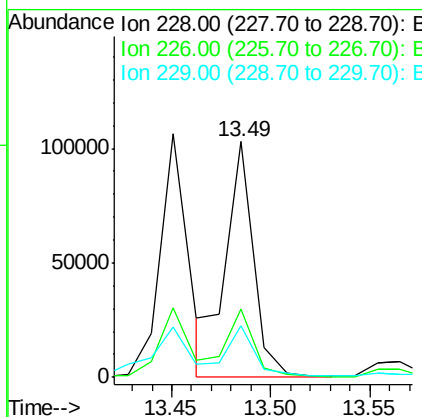
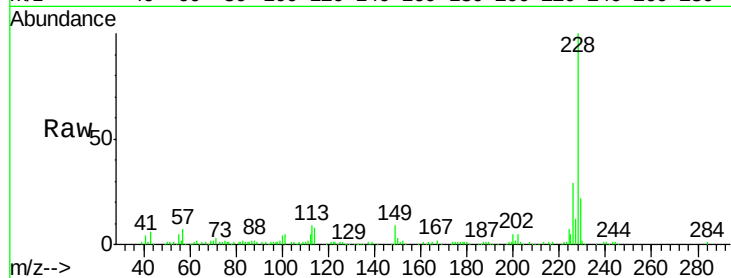
#82
Chrysene
 Concen: 16.16 ng m
 RT: 13.49 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BF081509.D
 Acq: 6 Sep 2015 14:47

Instrument :
 BNA_F
 ClientSampled :
 SB004

Tgt Ion:	228	Resp:	100543
Ion Ratio		Lower	Upper
228	100		
226	29.0	21.0	31.4
229	21.8	15.6	23.4

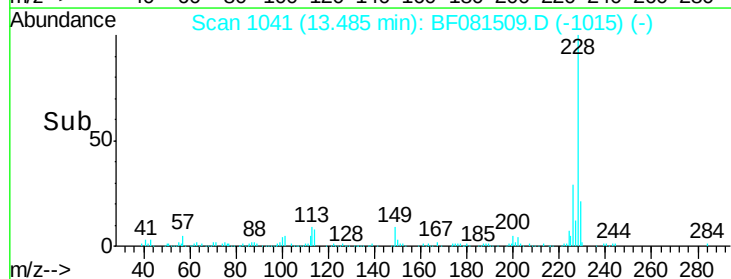
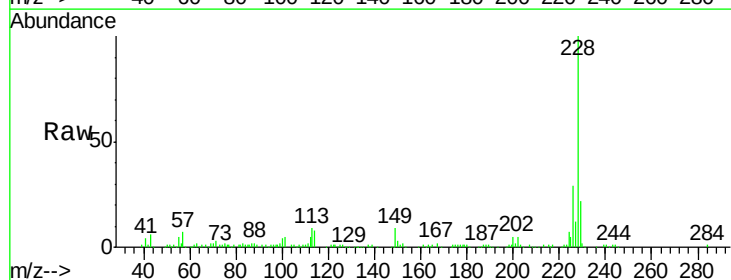
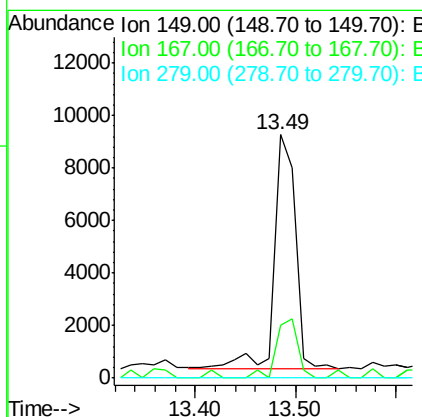
Manual Integrations
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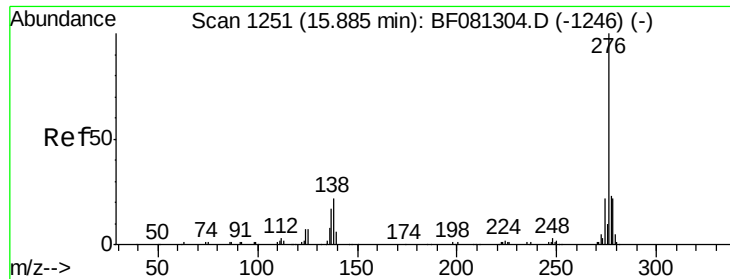
MMDadoda
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#83
Bis(2-ethylhexyl)phthalate
 Concen: 2.81 ng
 RT: 13.49 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BF081509.D
 Acq: 6 Sep 2015 14:47

Tgt Ion:	149	Resp:	13000
Ion Ratio		Lower	Upper
149	100		
167	21.8	24.2	36.2#
279	0.0	3.8	5.6#





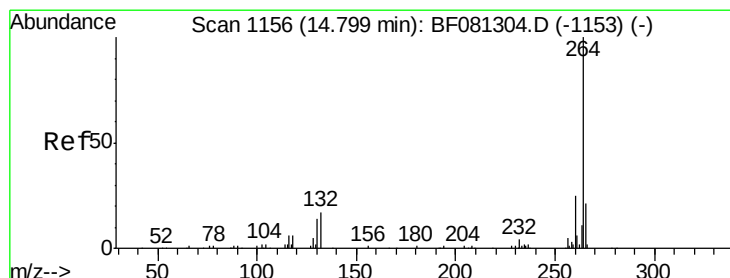
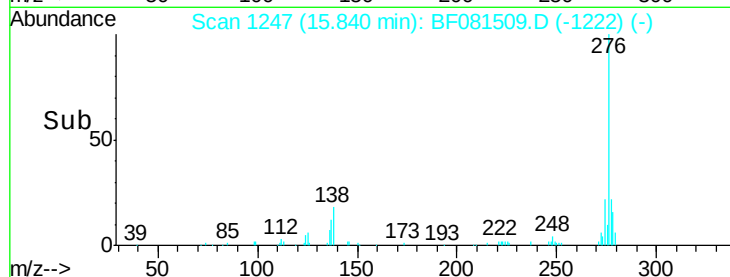
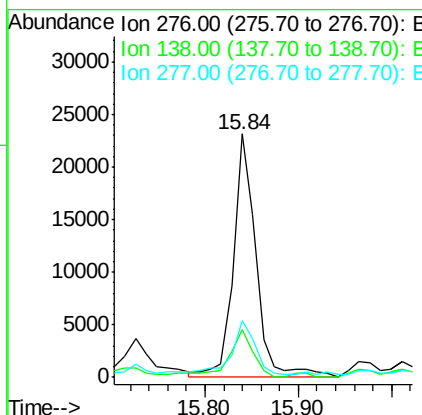
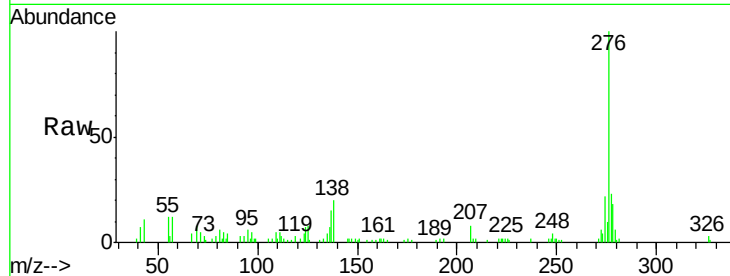
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.64 ng
 RT: 15.84 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BF081509.D
 Acq: 6 Sep 2015 14:47

Instrument :
 BNA_F
 ClientSampleId :
 SB004

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	25.7	38.5#
277	25.1	15.6	23.4#

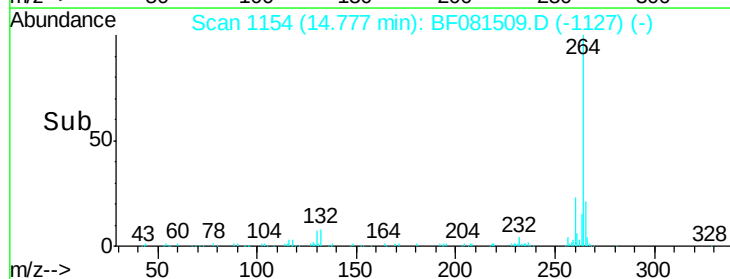
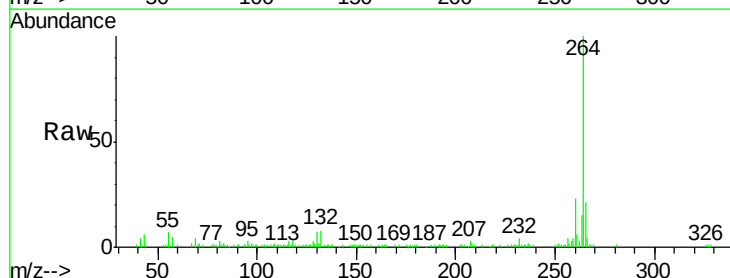
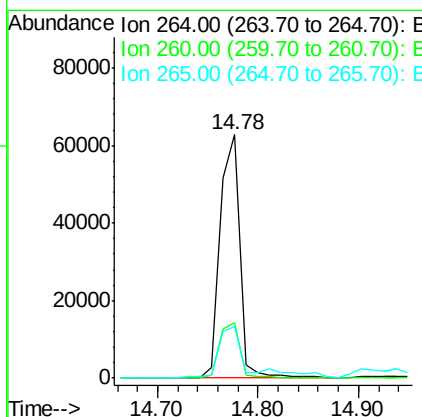
Manual Integrations
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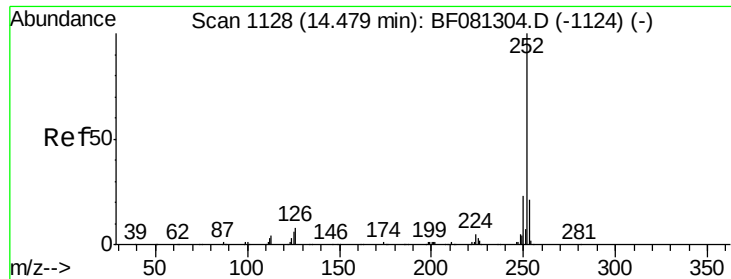
MMDadoda
 9/8/2015 3:58:26 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.78 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: BF081509.D
 Acq: 6 Sep 2015 14:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	16.7	25.1
265	21.4	17.2	25.8





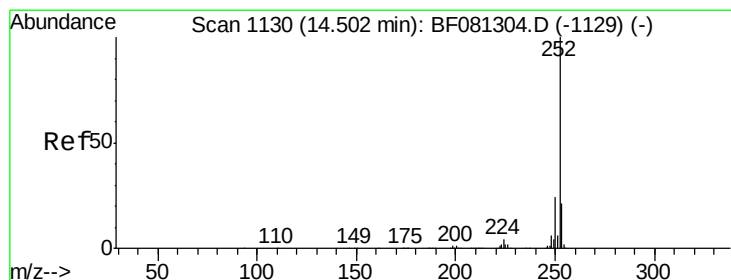
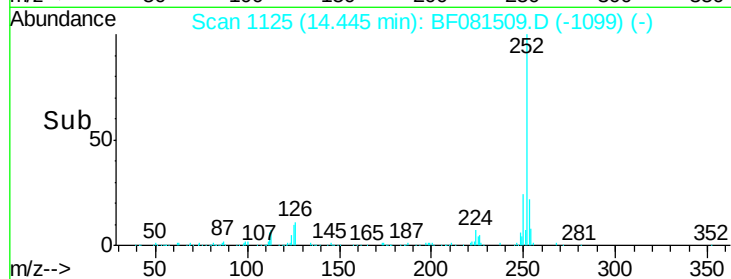
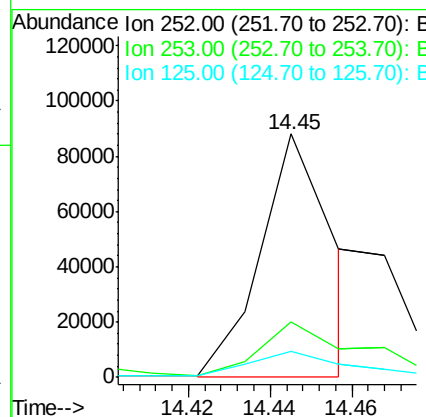
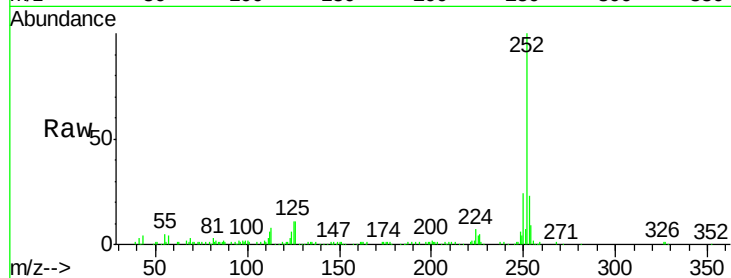
#87
Benzo(b)fluoranthene
Concen: 17.74 ng m
RT: 14.45 min Scan# 1125
Delta R.T. -0.00 min
Lab File: BF081509.D
Acq: 6 Sep 2015 14:47

Instrument :
BNA_F
ClientSampled :
SB004

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	10.5	17.1	25.7

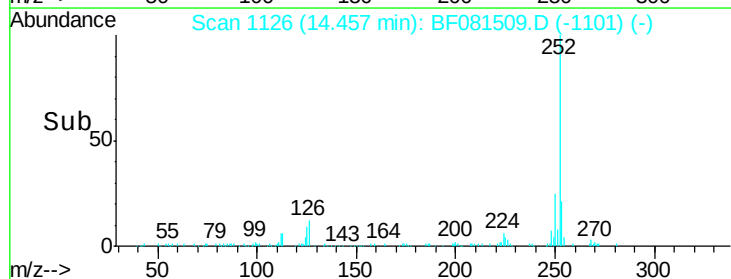
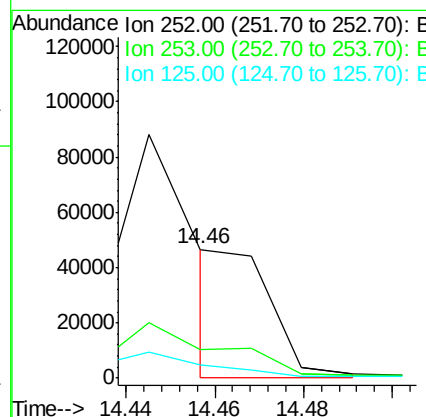
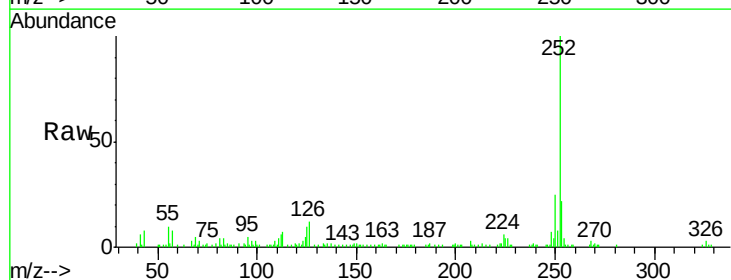
Manual Integrations
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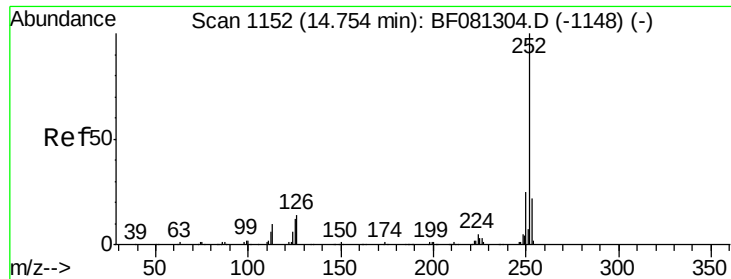
MMDadoda
9/8/2015 3:58:26 PM



#88
Benzo(k)fluoranthene
Concen: 6.67 ng m
RT: 14.46 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF081509.D
Acq: 6 Sep 2015 14:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.4
125	10.0	16.0	24.0





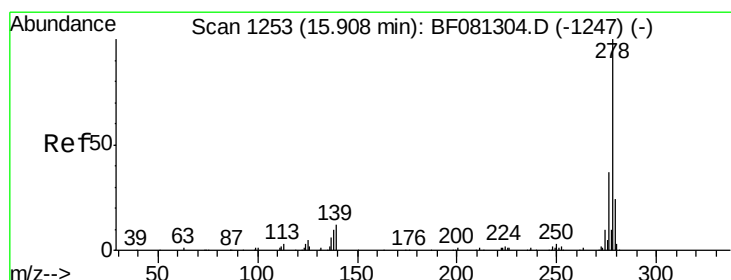
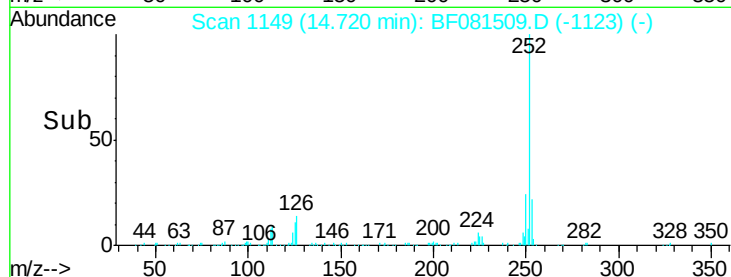
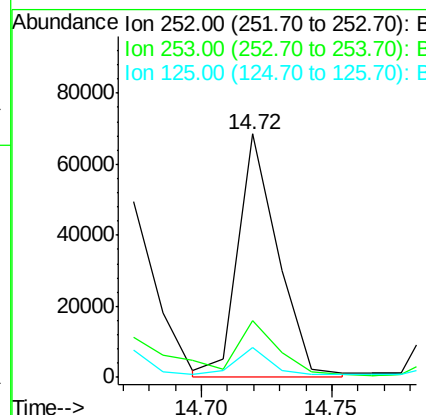
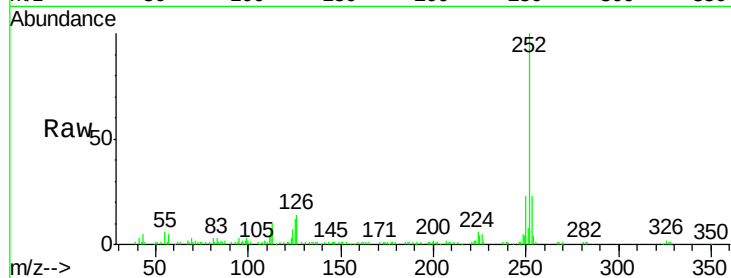
#89
Benzo(a)pyrene
Concen: 14.03 ng
RT: 14.72 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF081509.D
Acq: 6 Sep 2015 14:47

Instrument :
BNA_F
ClientSampleId :
SB004

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	12.1	18.0	27.0

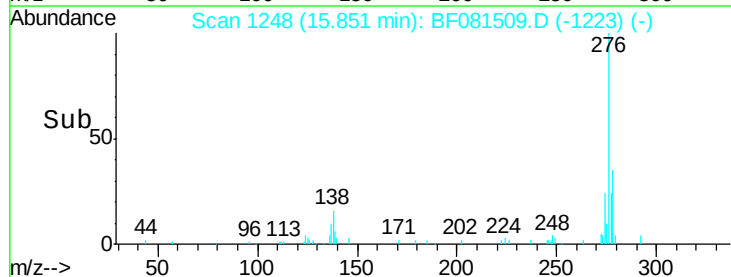
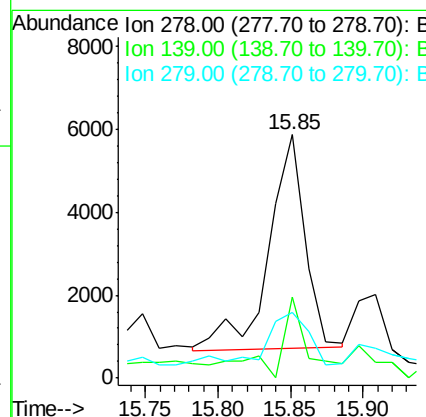
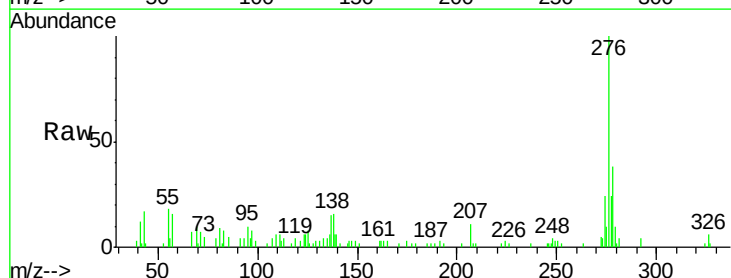
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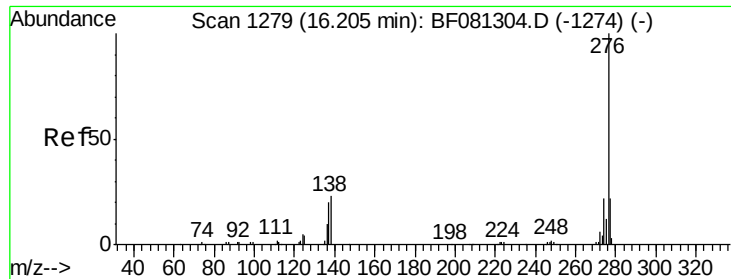
MMDadoda
9/8/2015 3:58:26 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.25 ng
RT: 15.85 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BF081509.D
Acq: 6 Sep 2015 14:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.1	26.3	39.5
279	26.8	18.2	27.4





#91
 Benzo(g,h,i)perylene
 Concen: 8.80 ng
 RT: 16.16 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: BF081509.D
 Acq: 6 Sep 2015 14:47

Instrument :
 BNA_F
 ClientSampleId :
 SB004

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	17.8	26.6
138	21.0	34.6	51.8

Manual Integrations
 APPROVED

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