

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
 Data File : BF081373.D
 Acq On : 3 Sep 2015 3:58
 Operator : UM/IZ
 Sample : G3498-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31

Manual Integrations
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 9/3/2015 1:45:36 PM

Quant Time: Sep 03 04:41:42 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 17:35:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	54337	20.00	ng	0.00
21) Naphthalene-d8	7.70	136	184390	20.00	ng	0.02
38) Acenaphthene-d10	9.42	164	90135	20.00	ng	0.00
63) Phenanthrene-d10	10.89	188	163001	20.00	ng	0.01
75) Chrysene-d12	13.50	240	104445	20.00	ng	0.00
86) Perylene-d12	14.81	264	89485	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.96	112	550994	157.33	ng	0.03
7) Phenol-d6	6.07	99	663221	143.07	ng	0.01
23) Nitrobenzene-d5	6.97	82	452488	118.40	ng	0.00
41) 2,4,6-Tribromophenol	10.20	330	114829	143.08	ng	0.00
44) 2-Fluorobiphenyl	8.76	172	689570	98.04	ng	0.00
78) Terphenyl-d14	12.48	244	534273	119.08	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	7.75	128	8781078	892.95	ng	# 92
37) 2-Methylnaphthalene	8.42	142	3079890	481.28	ng	# 88
45) 1,1'-Biphenyl	8.86	154	395858	47.74	ng	95
48) Acenaphthylene	9.30	152	2260013	212.73	ng	# 92
49) Dimethylphthalate	9.18	163	128575	18.36	ng	# 96
51) Acenaphthene	9.45	154	144952	23.98	ng	88
54) Dibenzofuran	9.62	168	199737	22.63	ng	# 79
57) Fluorene	9.98	166	1270607	189.72	ng	94
70) Phenanthrene	10.94	178	3005980m	331.71	ng	
71) Anthracene	10.98	178	1096961	117.83	ng	97
72) Carbazole	11.13	167	49160	5.63	ng	# 93
74) Fluoranthene	12.09	202	910397	92.80	ng	90
77) Pyrene	12.32	202	1240802	160.38	ng	96
80) Benzo(a)anthracene	13.49	228	359990	54.12	ng	# 57
82) Chrysene	13.52	228	256922	43.09	ng	92
85) Indeno(1,2,3-cd)pyrene	15.90	276	58127	13.29	ng	# 84
87) Benzo(b)fluoranthene	14.48	252	161768m	25.32	ng	
88) Benzo(k)fluoranthene	14.49	252	55102m	10.39	ng	
89) Benzo(a)pyrene	14.77	252	184531	34.09	ng	# 82
90) Dibenzo(a,h)anthracene	15.90	278	18013	4.31	ng	# 80
91) Benzo(g,h,i)perylene	16.22	276	51667	12.94	ng	# 73

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

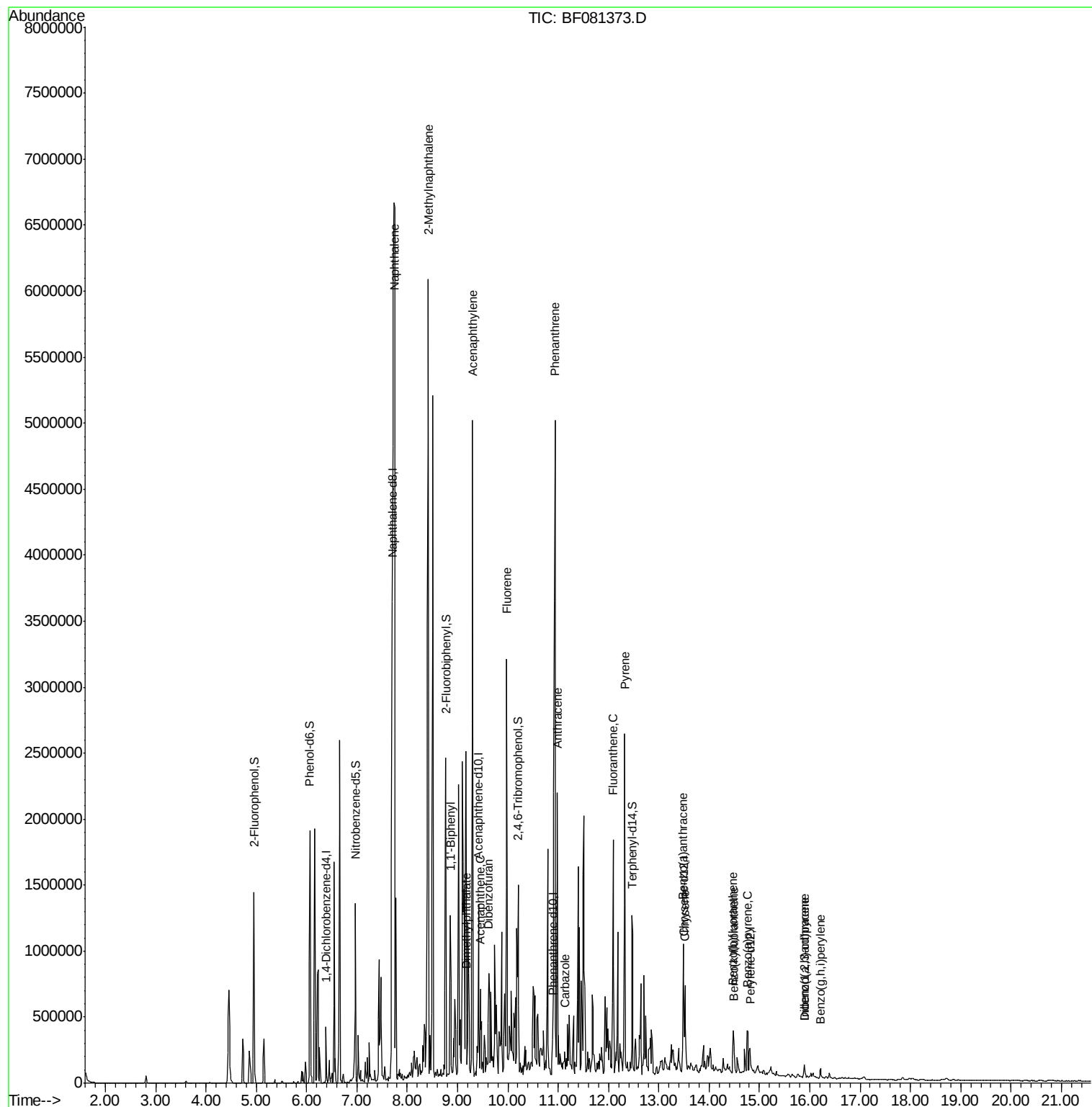
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
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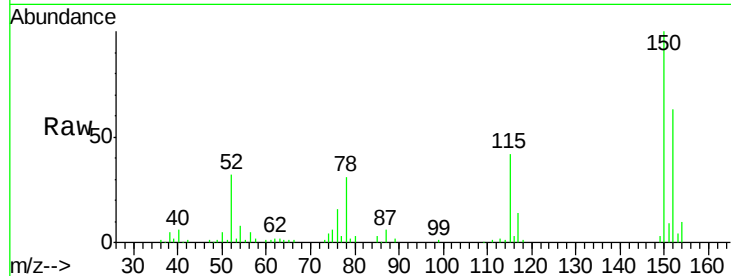




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.39 min Scan# 420
Delta R.T. 0.00 min
Lab File: BF081373.D
Acq: 3 Sep 2015 3:58

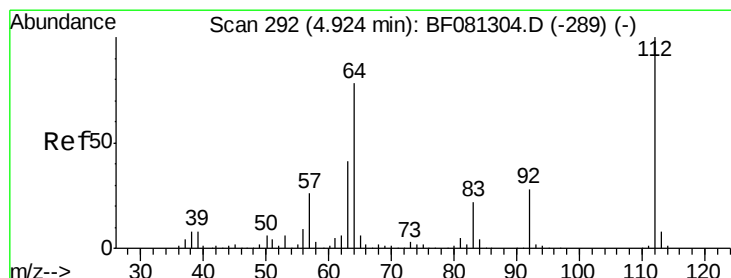
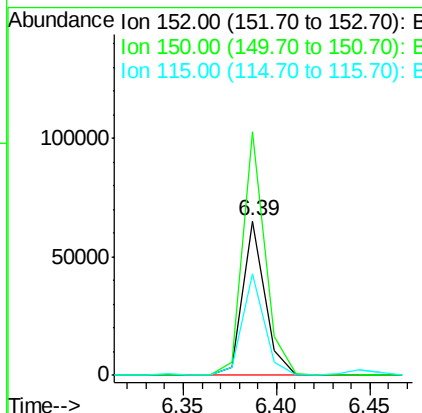
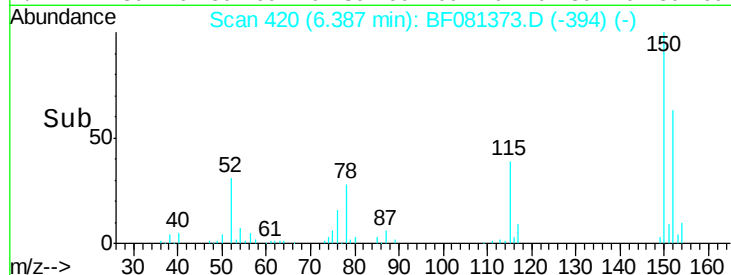
Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31



Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.7	187.1
115	65.5	39.0	58.4#

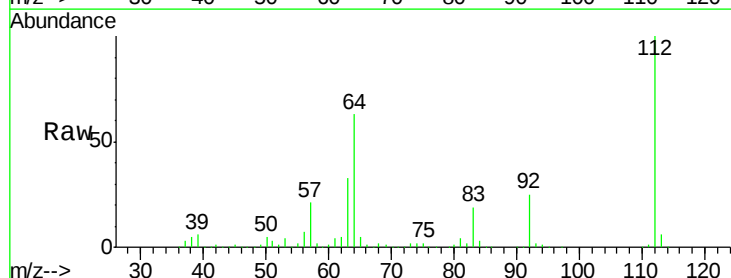
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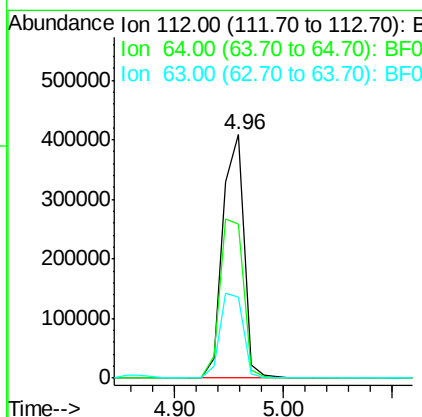
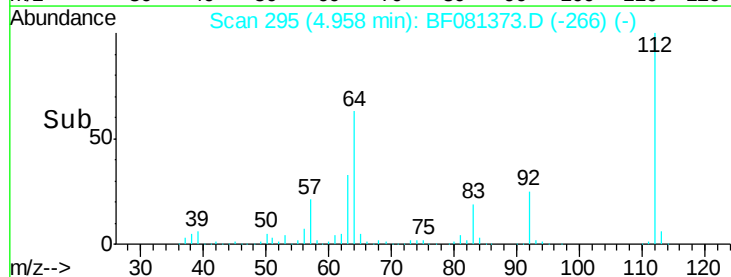


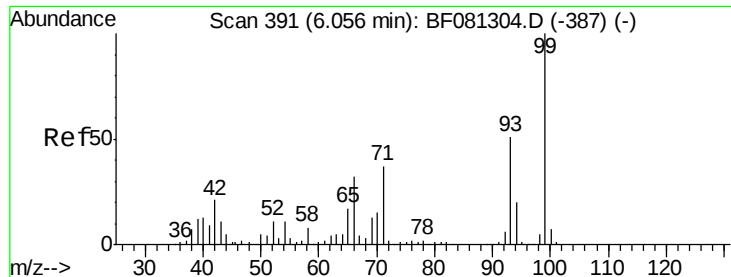
#5

2-Fluorophenol
Concen: 157.33 ng
RT: 4.96 min Scan# 295
Delta R.T. 0.03 min
Lab File: BF081373.D
Acq: 3 Sep 2015 3:58



Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	39.7	59.5#
63	33.2	17.4	26.0#





#7

Phenol-d6

Concen: 143.07 ng

RT: 6.07 min Scan# 392

Delta R.T. 0.01 min

Lab File: BF081373.D

Acq: 3 Sep 2015 3:58

Instrument :

BNA_F

ClientSampleId :

MGP206BR-29-31

Tgt Ion: 99 Resp: 663221
Ion Ratio Lower Upper

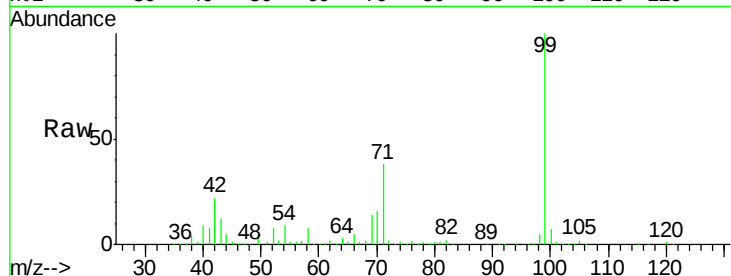
99 100

42 22.3 13.7 20.5#

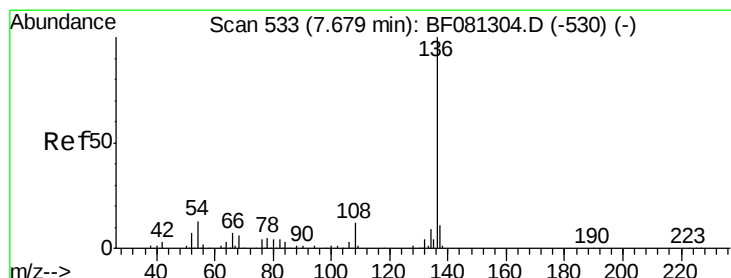
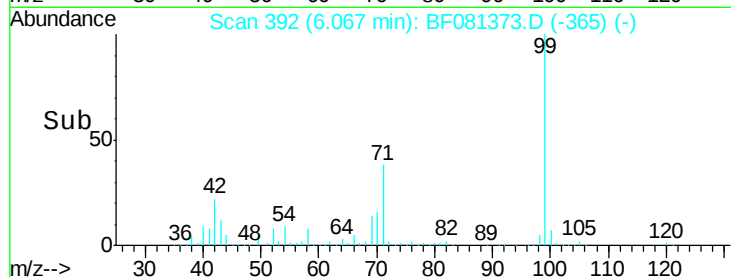
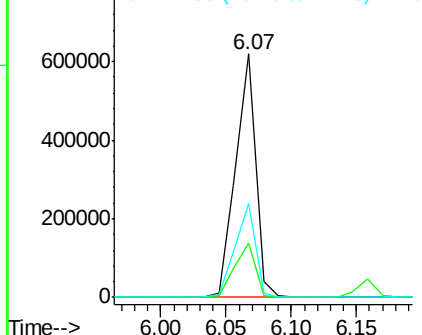
71 38.4 14.2 21.2#

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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: 7.70 min Scan# 535

Delta R.T. 0.02 min

Lab File: BF081373.D

Acq: 3 Sep 2015 3:58

Tgt Ion: 136 Resp: 184390
Ion Ratio Lower Upper

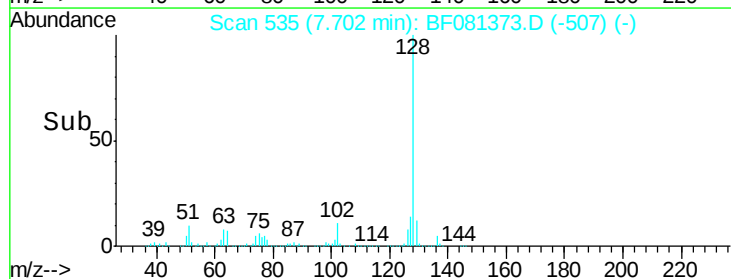
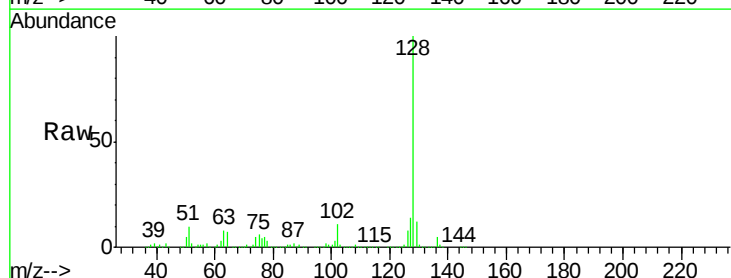
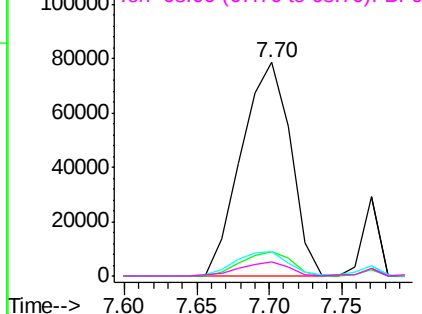
136 100

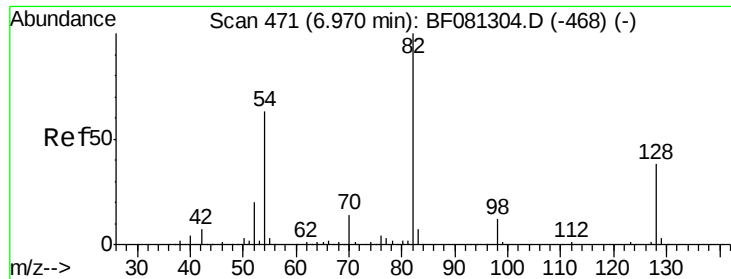
137 11.2 9.0 13.6

54 11.7 8.2 12.2

68 6.6 5.8 8.6

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





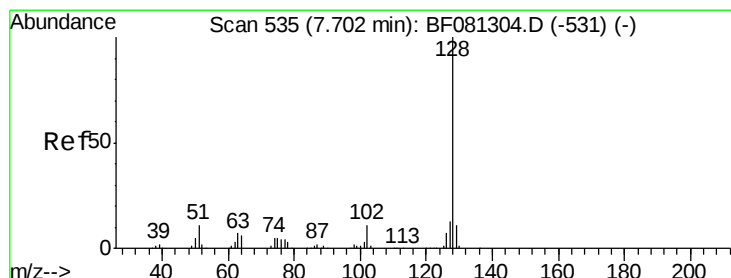
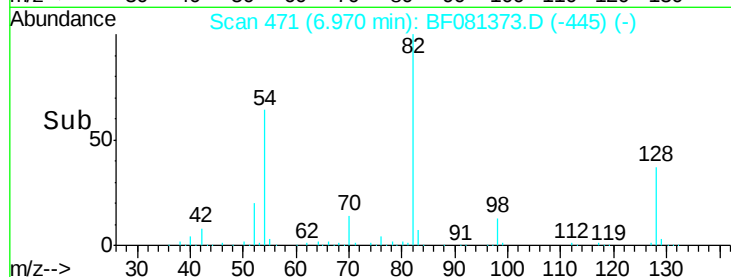
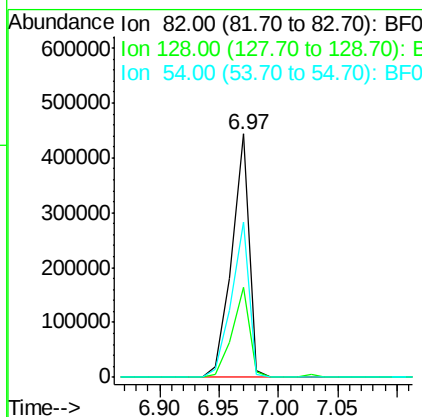
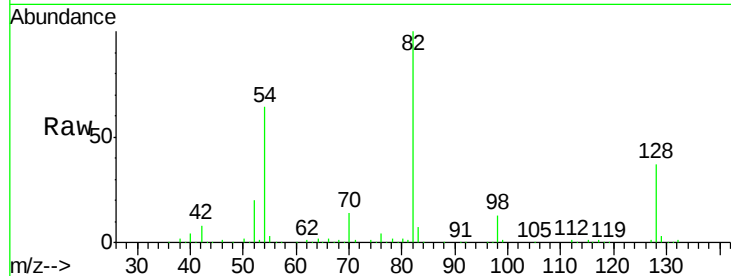
#23
Nitrobenzene-d5
Concen: 118.40 ng
RT: 6.97 min Scan# 471
Delta R.T. 0.00 min
Lab File: BF081373.D
Acq: 3 Sep 2015 3:58

Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.8	51.0	76.6#
54	63.6	47.5	71.3

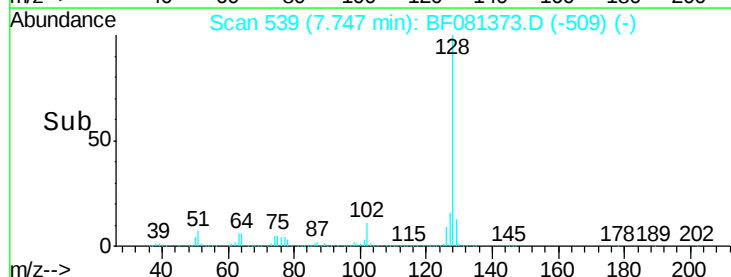
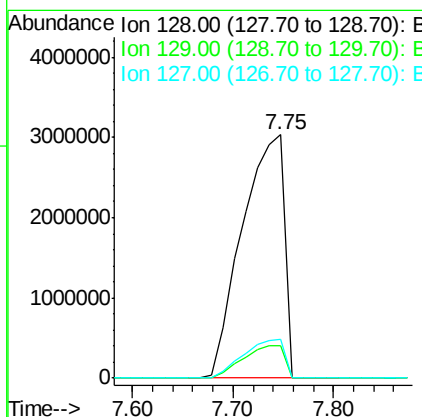
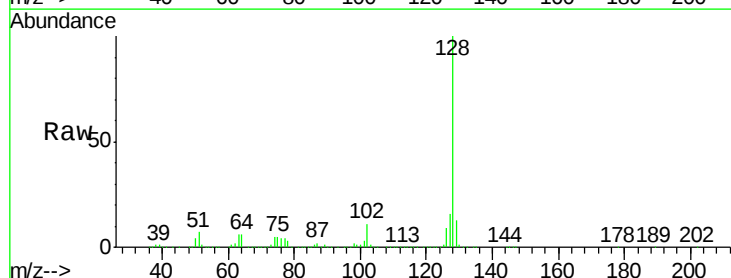
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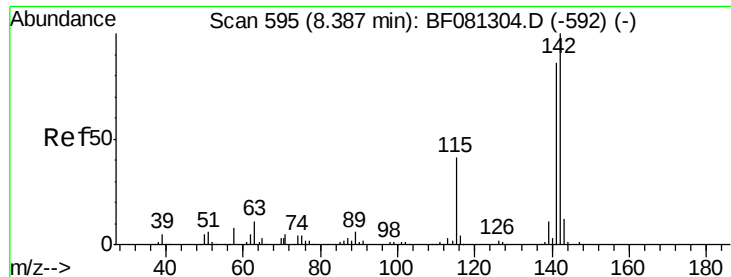
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#31
Naphthalene
Concen: 892.95 ng
RT: 7.75 min Scan# 539
Delta R.T. 0.05 min
Lab File: BF081373.D
Acq: 3 Sep 2015 3:58

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.2	8.4	12.6#
127	16.1	9.9	14.9#





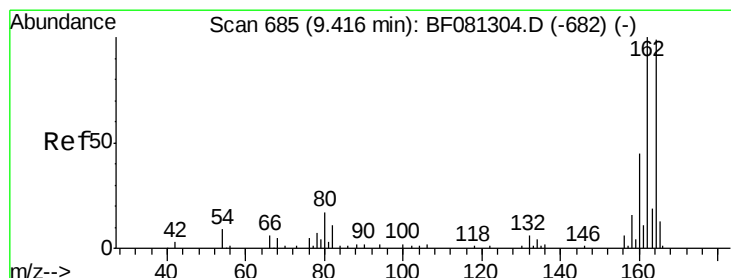
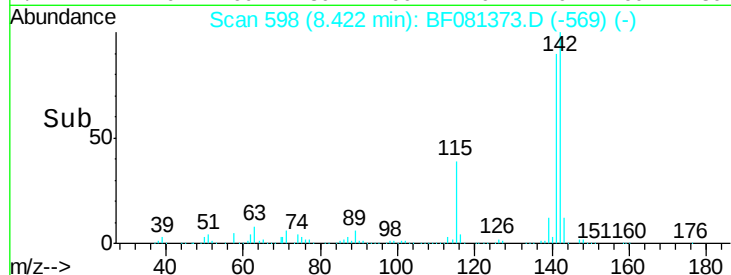
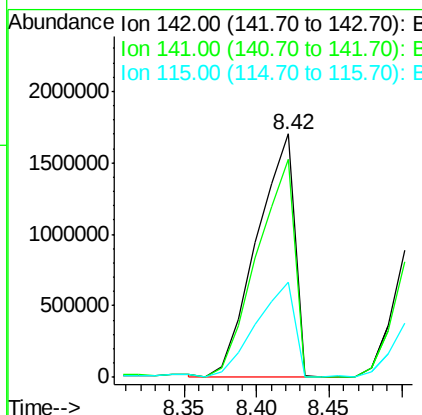
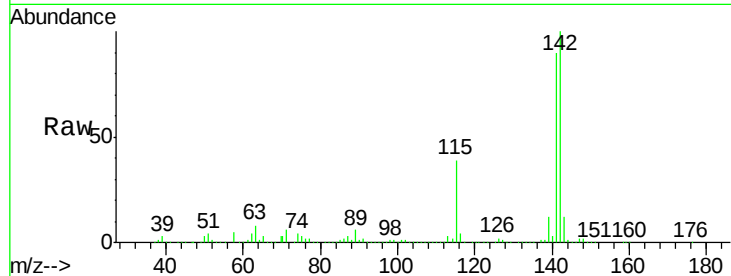
#37
 2-Methylnaphthalene
 Concen: 481.28 ng
 RT: 8.42 min Scan# 598
 Delta R.T. 0.03 min
 Lab File: BF081373.D
 Acq: 3 Sep 2015 3:58

Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31

Tgt Ion:142 Resp: 3079890
 Ion Ratio Lower Upper
 142 100
 141 89.7 67.5 101.3
 115 39.0 18.2 27.2#

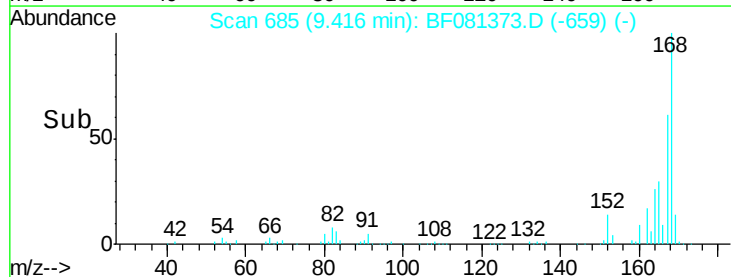
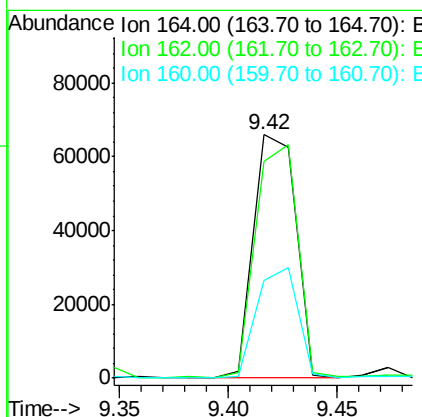
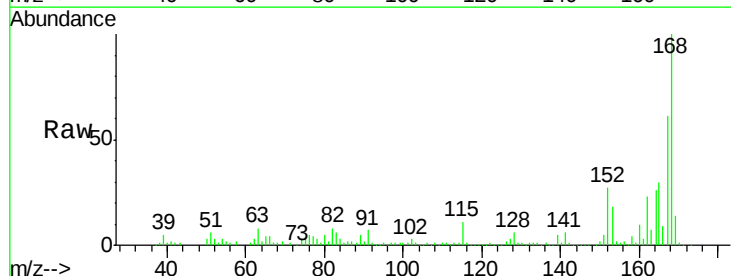
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.42 min Scan# 685
 Delta R.T. 0.00 min
 Lab File: BF081373.D
 Acq: 3 Sep 2015 3:58

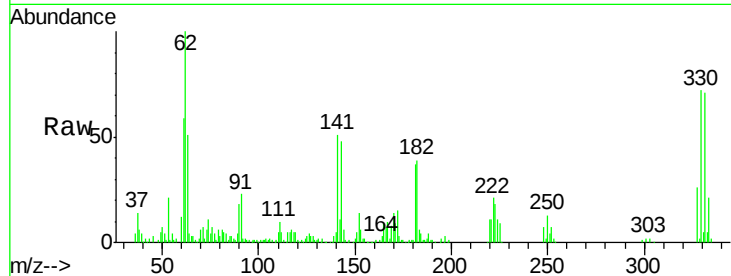
Tgt Ion:164 Resp: 90135
 Ion Ratio Lower Upper
 164 100
 162 89.2 75.2 112.8
 160 40.0 31.5 47.3





#41
 2,4,6-Tribromophenol
 Concen: 143.08 ng
 RT: 10.20 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: BF081373.D
 Acq: 3 Sep 2015 3:58

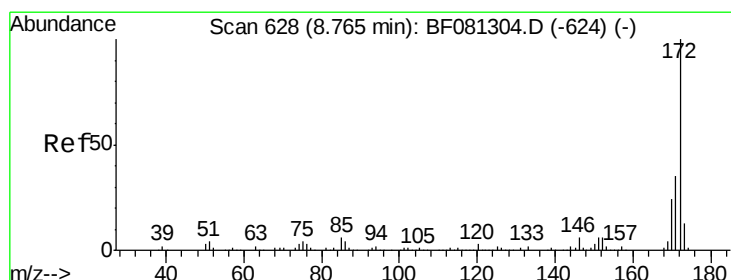
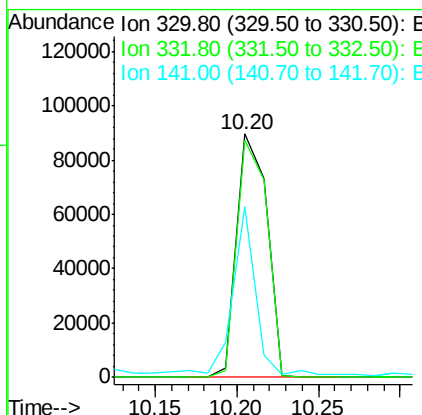
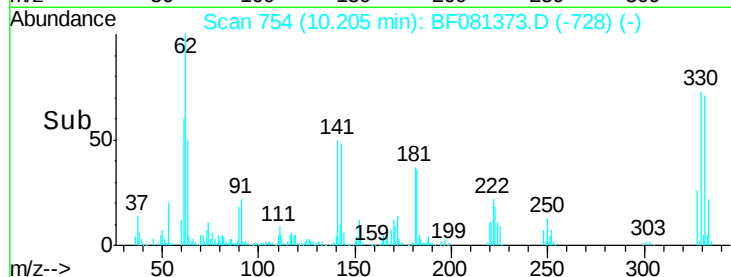
Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	114829		
332	97.9	76.6	114.8	
141	50.7	29.7	44.5#	

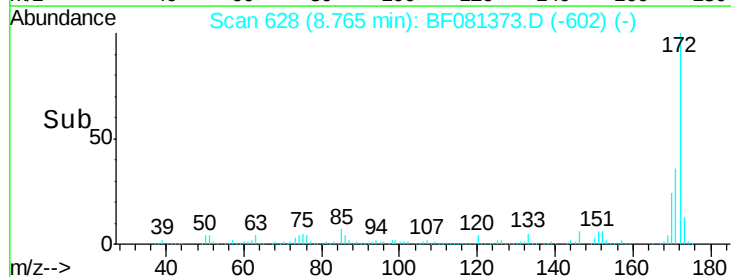
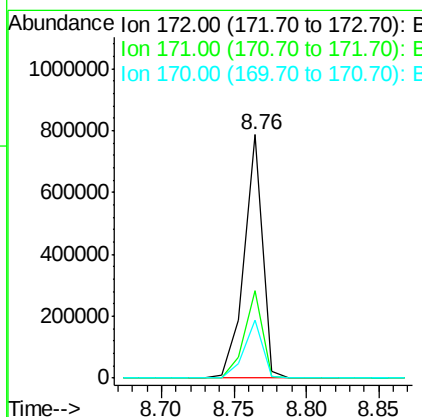
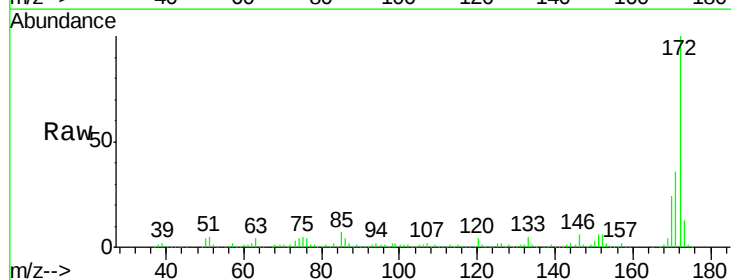
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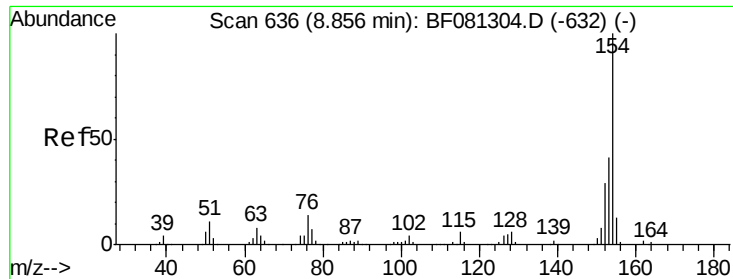
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#44
 2-Fluorobiphenyl
 Concen: 98.04 ng
 RT: 8.76 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF081373.D
 Acq: 3 Sep 2015 3:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	689570		
171	35.8	26.1	39.1	
170	23.8	17.4	26.2	





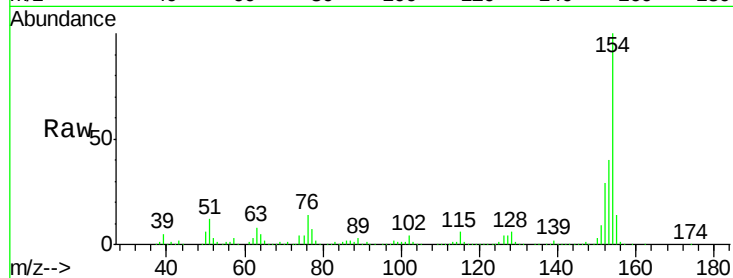
#45
1,1'-Biphenyl
Concen: 47.74 ng
RT: 8.86 min Scan# 636
Delta R.T. 0.00 min
Lab File: BF081373.D
Acq: 3 Sep 2015 3:58

Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31

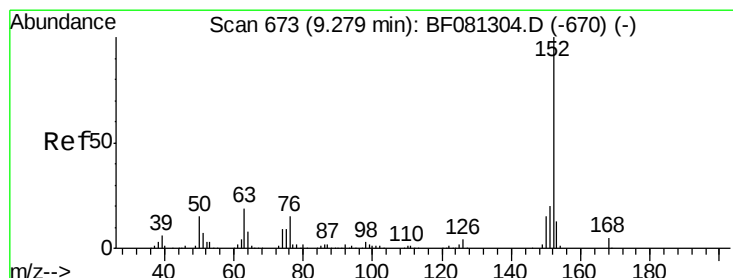
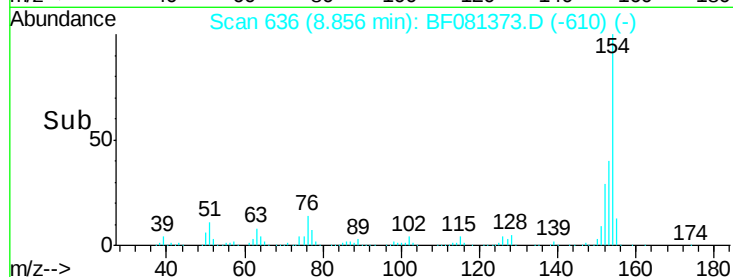
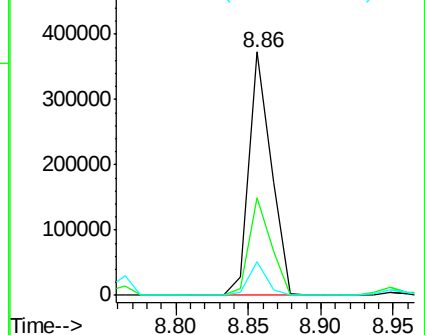
Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	40.3	17.1	57.1
76	13.8	0.0	31.6

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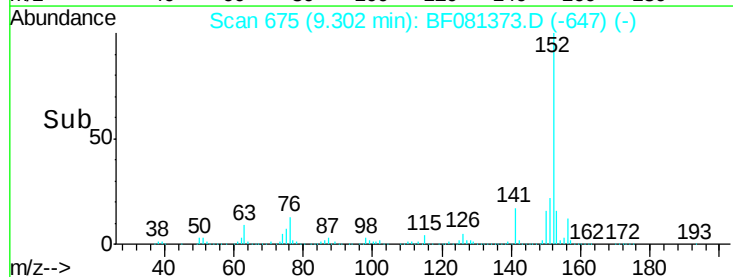
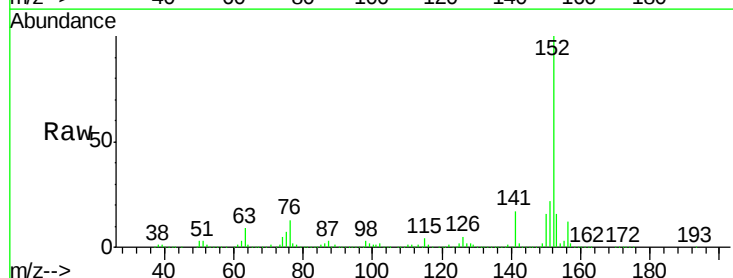
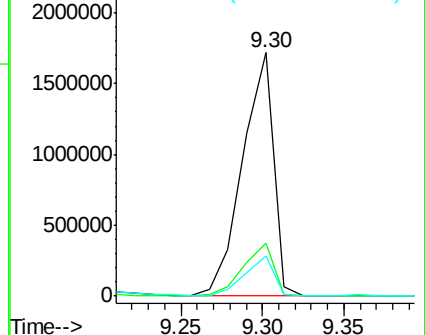
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

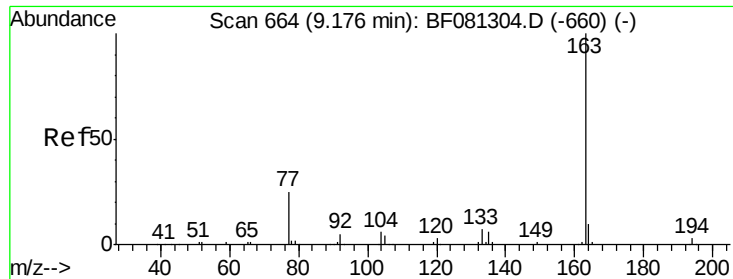


#48
Acenaphthylene
Concen: 212.73 ng
RT: 9.30 min Scan# 675
Delta R.T. 0.02 min
Lab File: BF081373.D
Acq: 3 Sep 2015 3:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	22.0	14.6	22.0#
153	16.2	10.3	15.5#

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





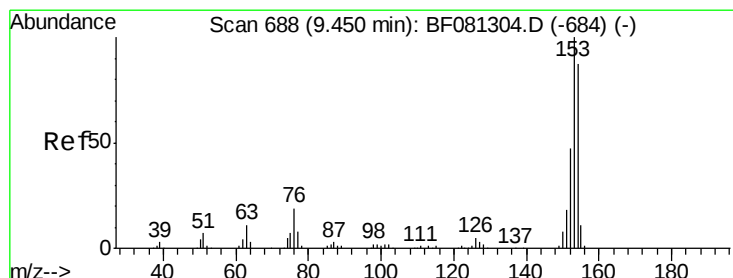
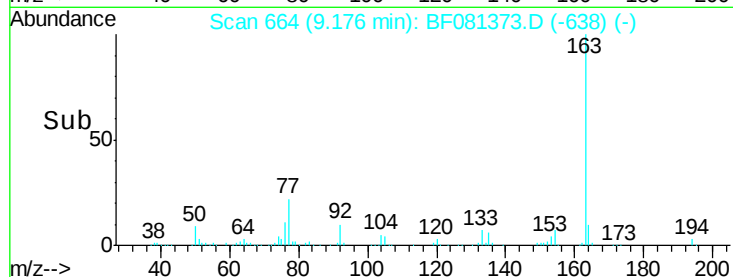
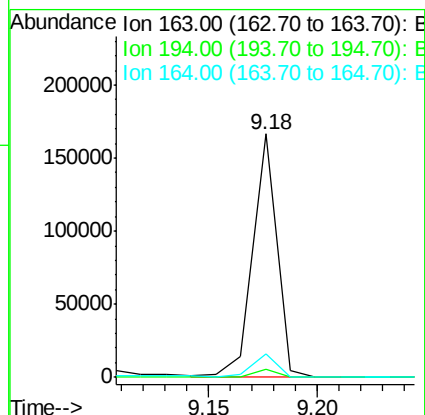
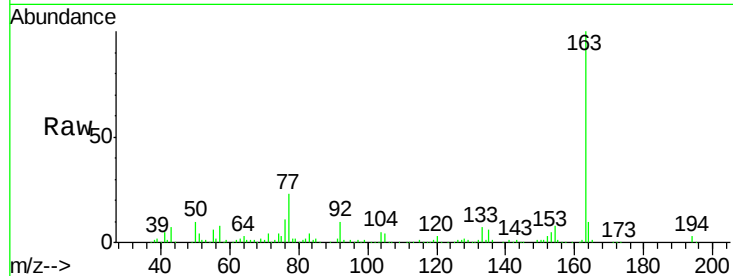
#49
Dimethylphthalate
Concen: 18.36 ng
RT: 9.18 min Scan# 664
Delta R.T. 0.00 min
Lab File: BF081373.D
Acq: 3 Sep 2015 3:58

Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.2	4.4	6.6#
164	9.7	8.3	12.5

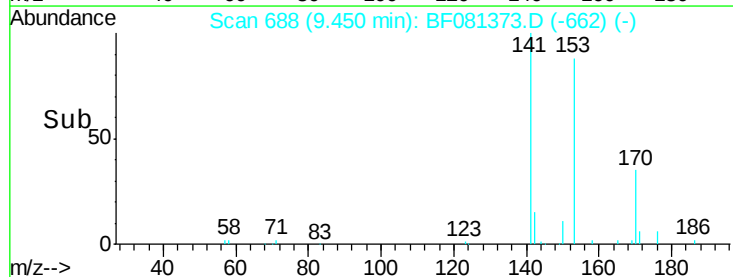
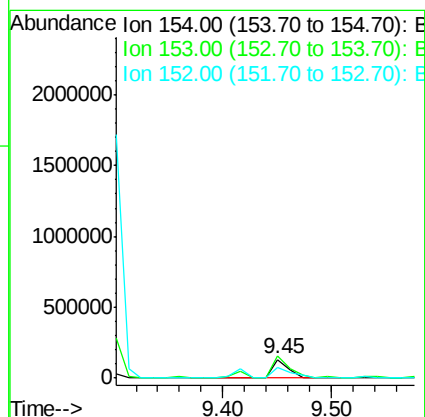
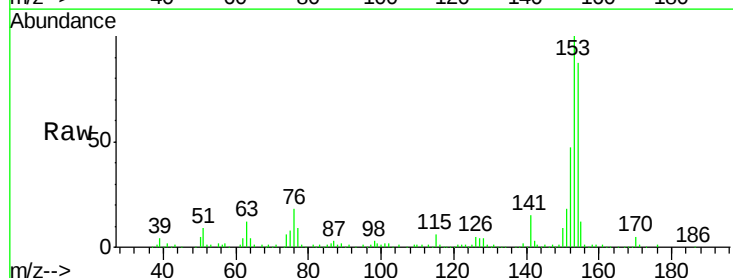
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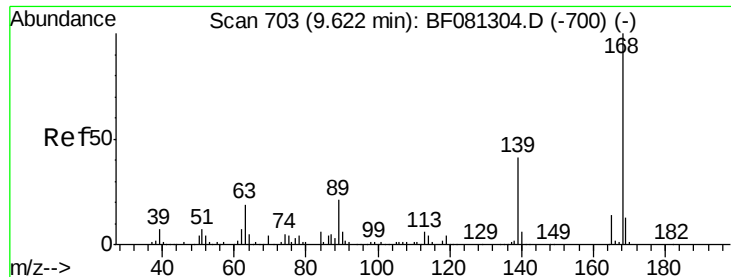
MMDadoda
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#51
Acenaphthene
Concen: 23.98 ng
RT: 9.45 min Scan# 688
Delta R.T. 0.00 min
Lab File: BF081373.D
Acq: 3 Sep 2015 3:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	114.9	82.1	123.1
152	54.6	37.9	56.9





#54

Dibenzenofuran

Concen: 22.63 ng

RT: 9.62 min Scan# 703

Delta R.T. 0.00 min

Lab File: BF081373.D

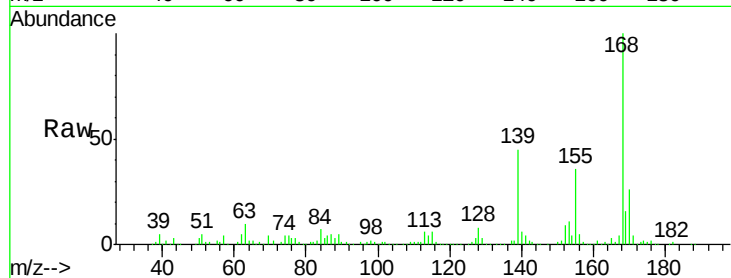
Acq: 3 Sep 2015 3:58

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:168 Resp: 199737

Ion Ratio Lower Upper

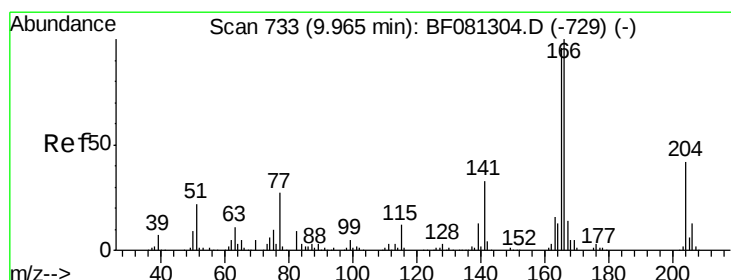
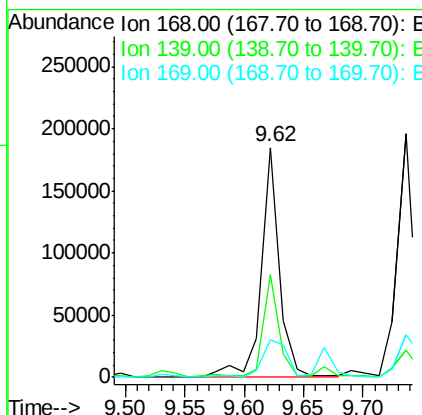
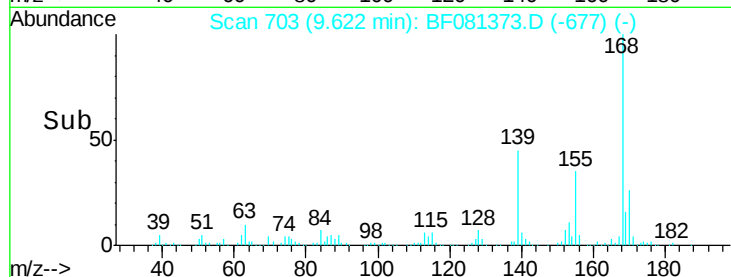
168 100

139 44.8 24.2 36.2#

169 16.2 10.6 15.8#

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#57

Fluorene

Concen: 189.72 ng

RT: 9.98 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF081373.D

Acq: 3 Sep 2015 3:58

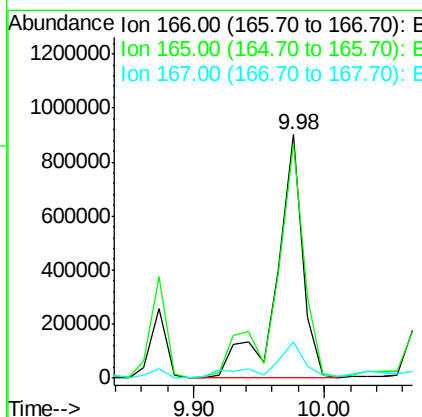
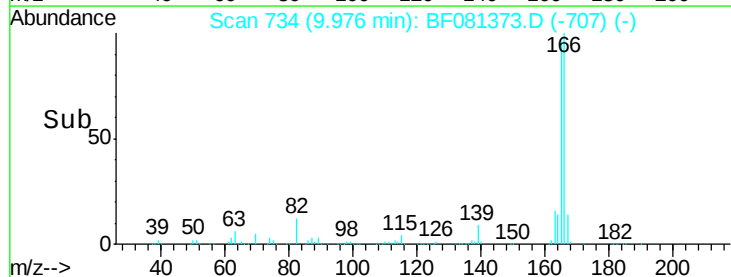
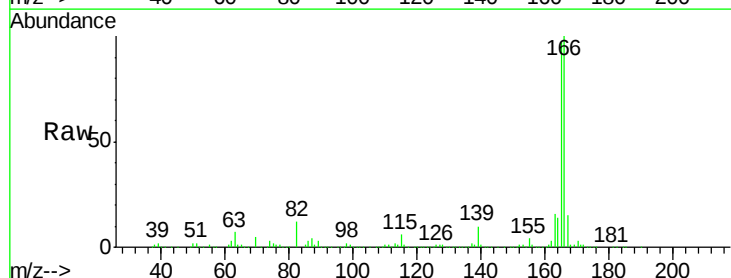
Tgt Ion:166 Resp: 1270607

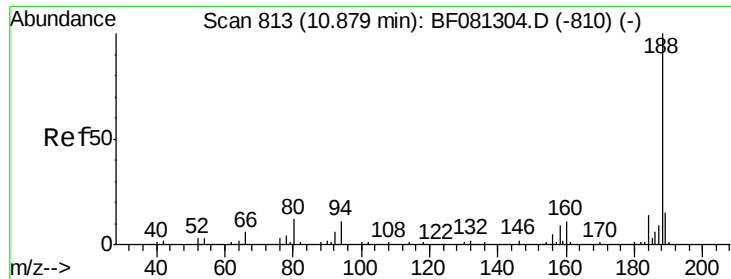
Ion Ratio Lower Upper

166 100

165 96.5 72.6 109.0

167 14.6 10.6 16.0





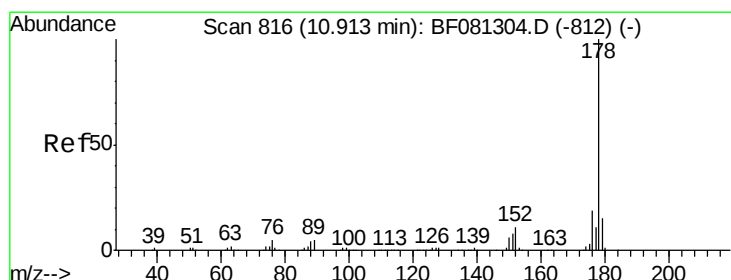
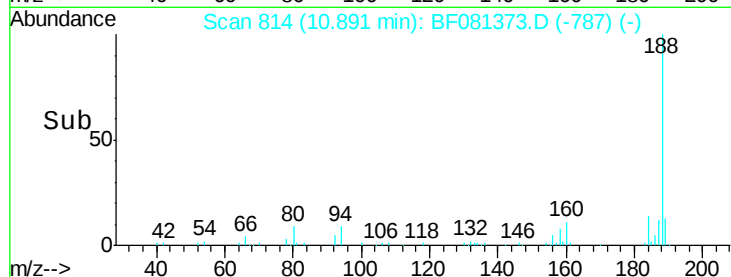
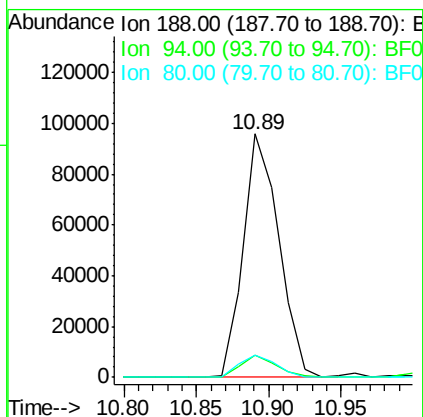
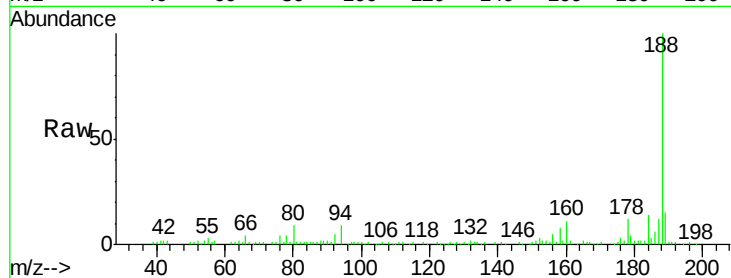
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.89 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF081373.D
Acq: 3 Sep 2015 3:58

Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.9	11.1	16.7#
80	9.2	11.0	16.4#

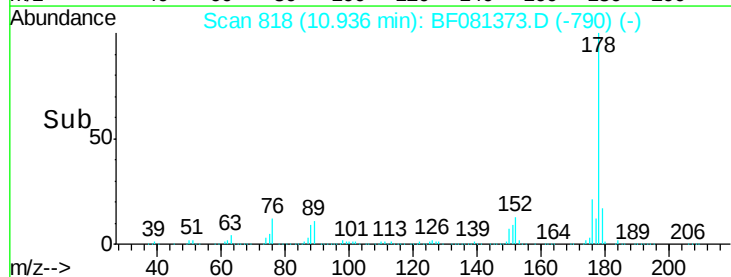
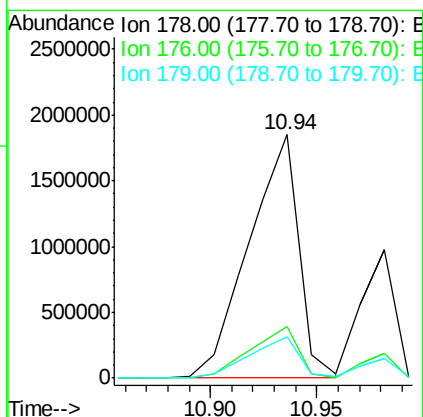
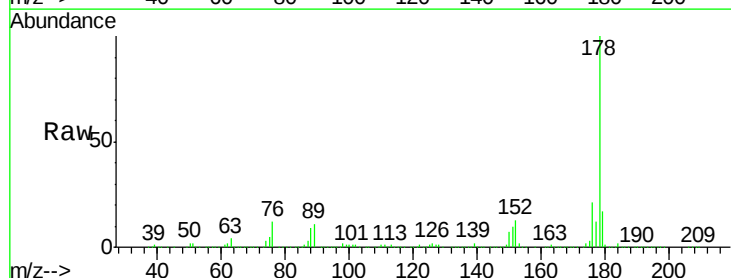
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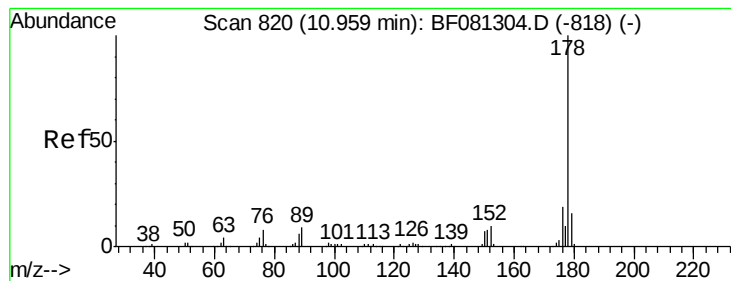
MMDadoda
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#70
Phenanthrene
Concen: 331.71 ng m
RT: 10.94 min Scan# 818
Delta R.T. 0.02 min
Lab File: BF081373.D
Acq: 3 Sep 2015 3:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	21.4	13.8	20.8#
179	17.2	12.2	18.2





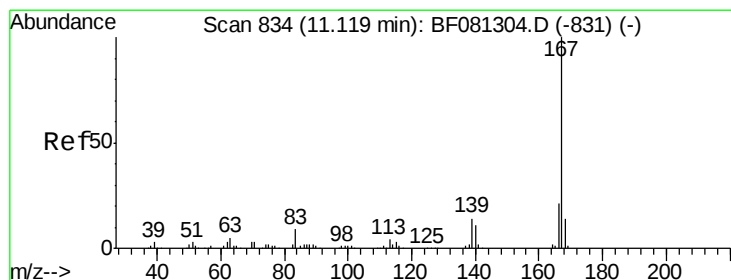
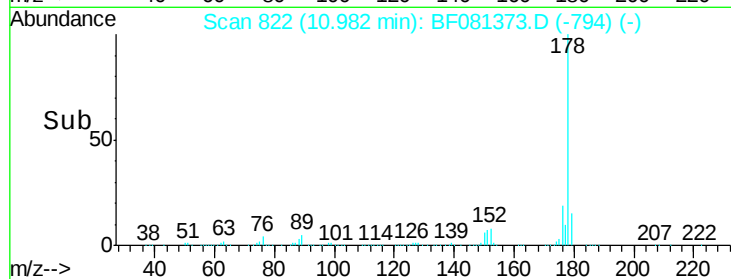
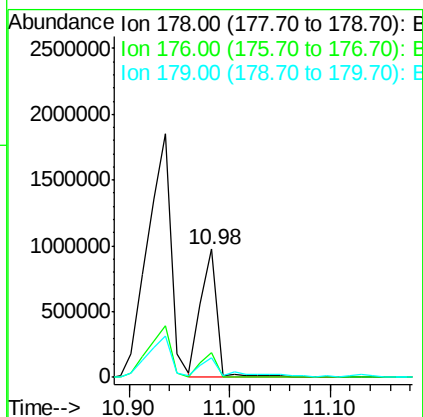
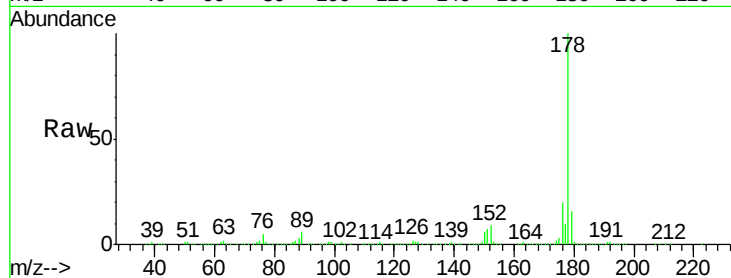
#71
 Anthracene
 Concen: 117.83 ng
 RT: 10.98 min Scan# 822
 Delta R.T. 0.02 min
 Lab File: BF081373.D
 Acq: 3 Sep 2015 3:58

Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31

Manual Integrations
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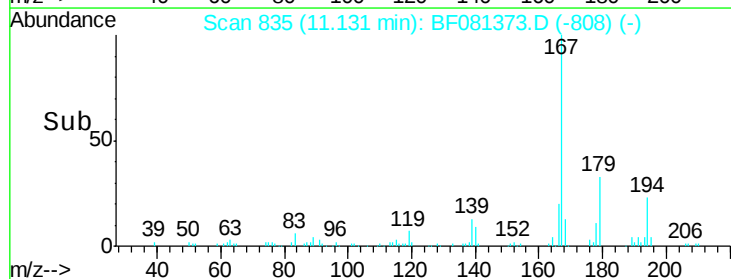
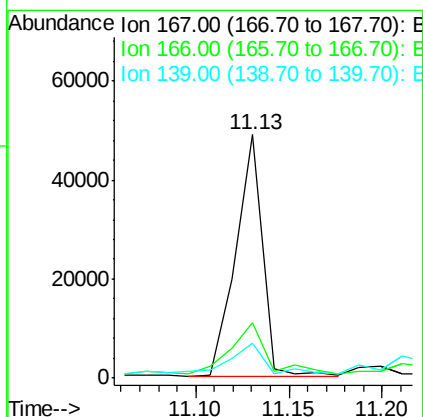
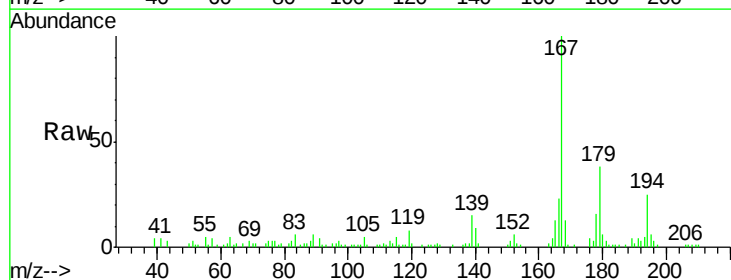
MMDadoda
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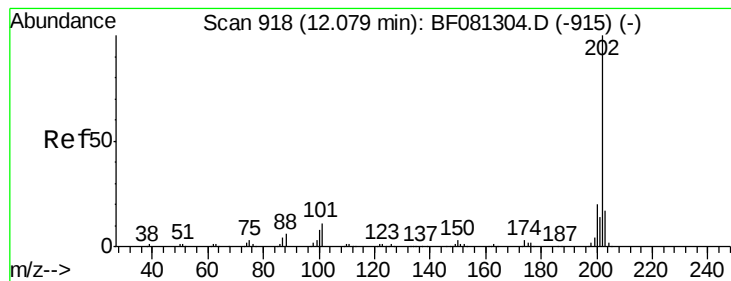
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	14.1	21.1
179	15.7	12.2	18.2



#72
 Carbazole
 Concen: 5.63 ng
 RT: 11.13 min Scan# 835
 Delta R.T. 0.01 min
 Lab File: BF081373.D
 Acq: 3 Sep 2015 3:58

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	15.7	23.5
139	14.5	9.5	14.3#





#74

Fluoranthene

Concen: 92.80 ng

RT: 12.09 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF081373.D

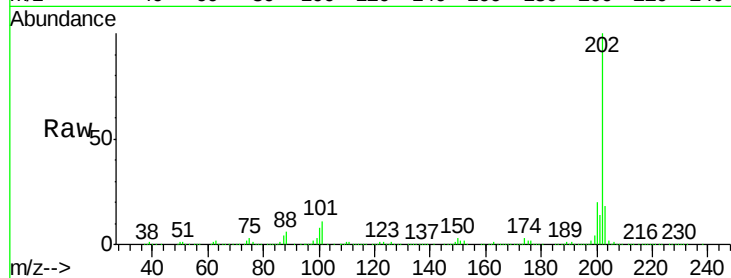
Acq: 3 Sep 2015 3:58

Instrument :

BNA_F

ClientSampleId :

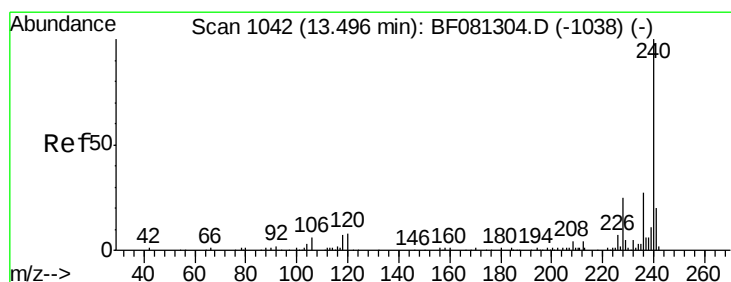
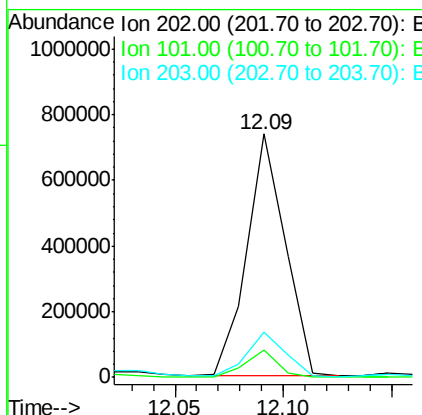
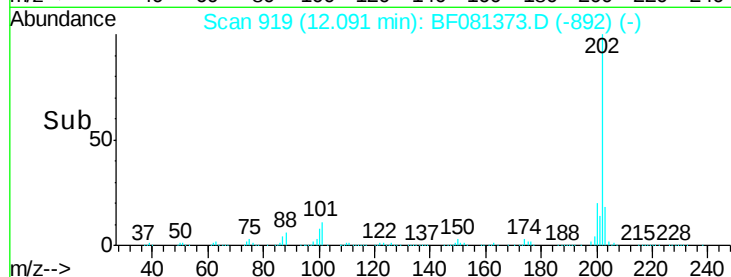
MGP206BR-29-31



Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.0	0.0	38.3
203	18.4	0.0	37.3

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#75

Chrysene-d12

Concen: 20.00 ng

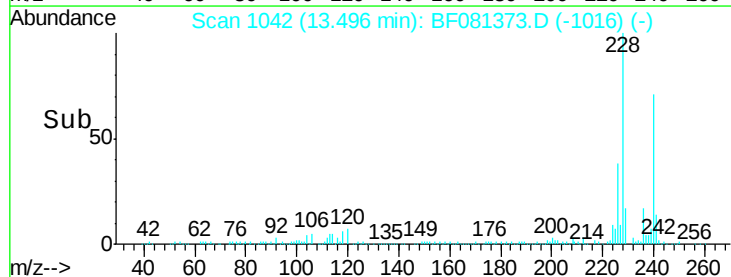
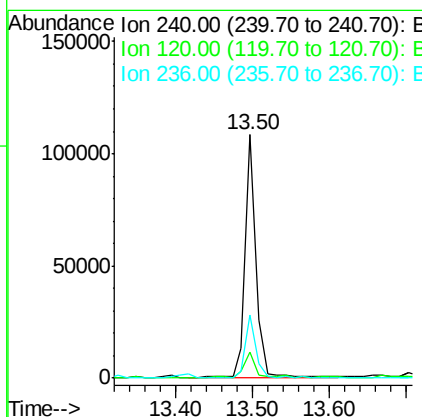
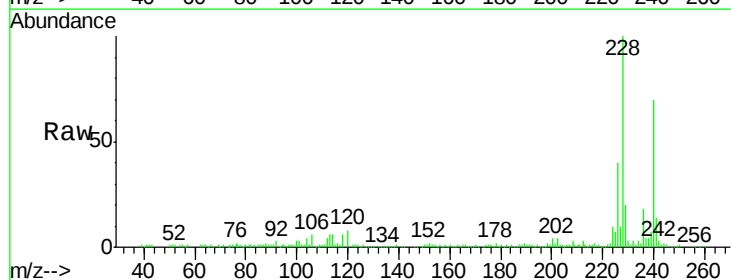
RT: 13.50 min Scan# 1042

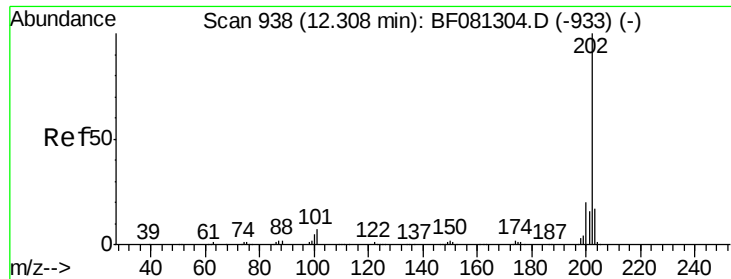
Delta R.T. 0.00 min

Lab File: BF081373.D

Acq: 3 Sep 2015 3:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	10.8	16.2	24.2#
236	26.2	18.4	27.6





#77

Pyrene

Concen: 160.38 ng

RT: 12.32 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF081373.D

Acq: 3 Sep 2015 3:58

Instrument :

BNA_F

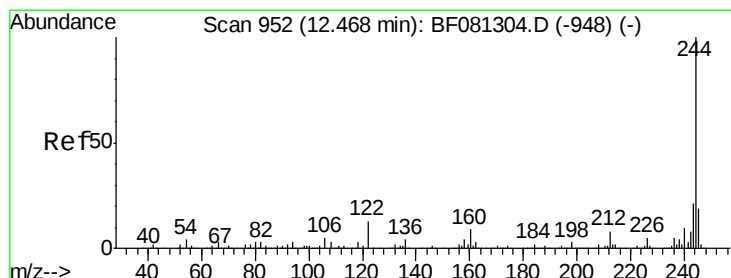
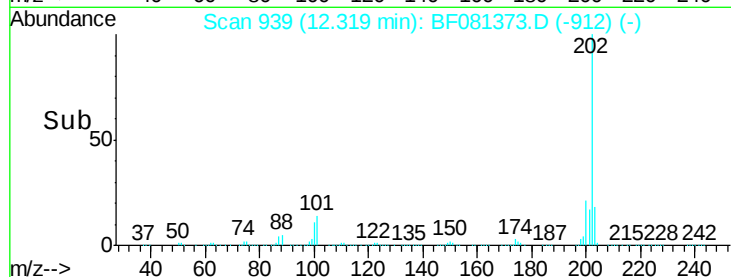
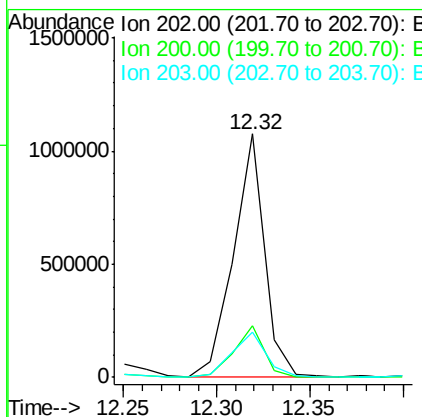
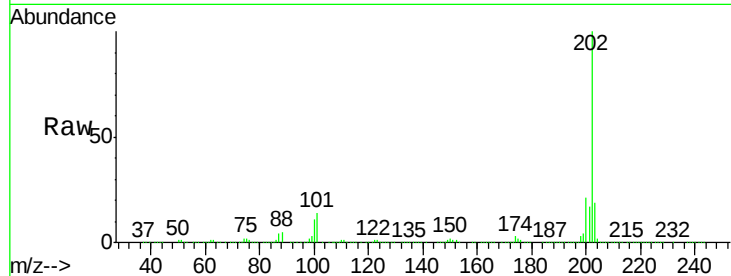
ClientSampleId :

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Tgt	Ion	202	Resp	1240802
Ion	Ratio	Lower	Upper	
202	100			
200	21.0	15.0	22.4	
203	18.8	14.1	21.1	

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#78

Terphenyl-d14

Concen: 119.08 ng

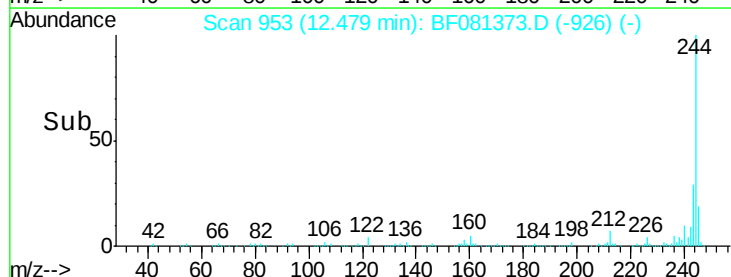
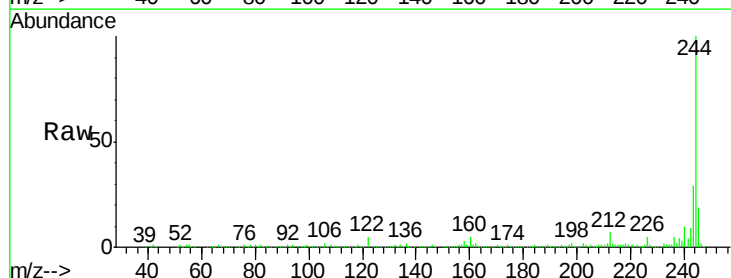
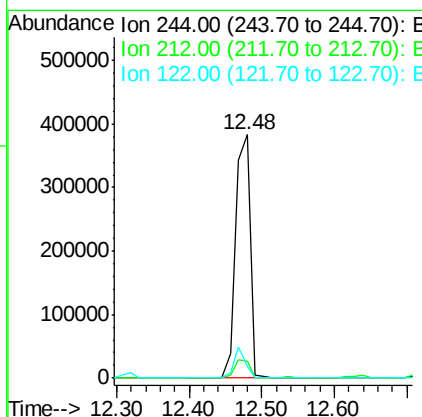
RT: 12.48 min Scan# 953

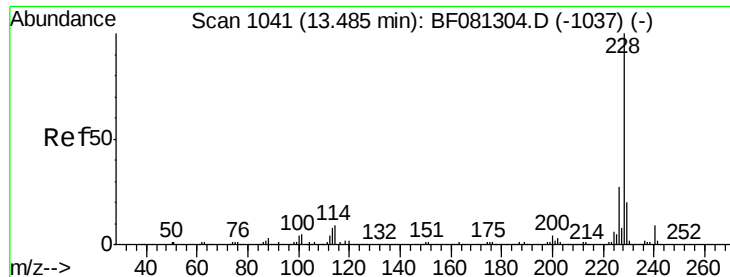
Delta R.T. 0.01 min

Lab File: BF081373.D

Acq: 3 Sep 2015 3:58

Tgt	Ion	244	Resp	534273
Ion	Ratio	Lower	Upper	
244	100			
212	7.1	4.3	6.5#	
122	4.7	17.4	26.2#	





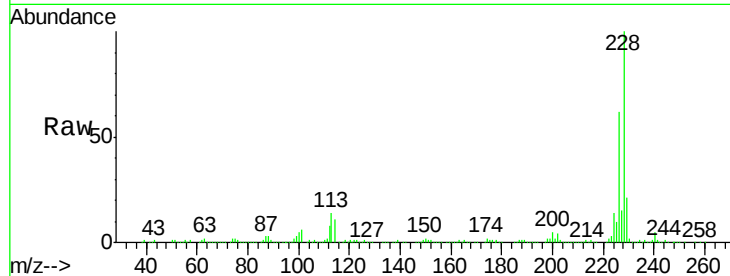
#80
Benzo(a)anthracene
Concen: 54.12 ng
RT: 13.49 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF081373.D
Acq: 3 Sep 2015 3:58

Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31

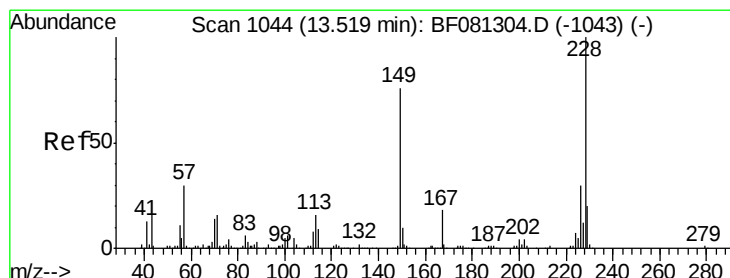
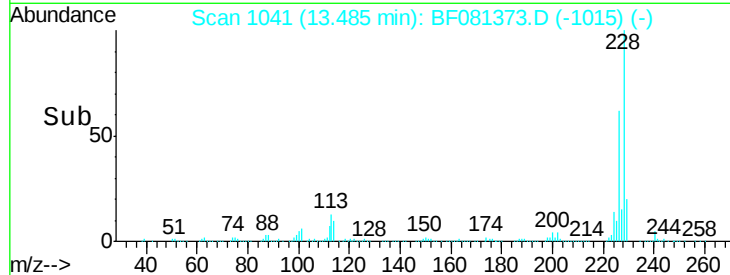
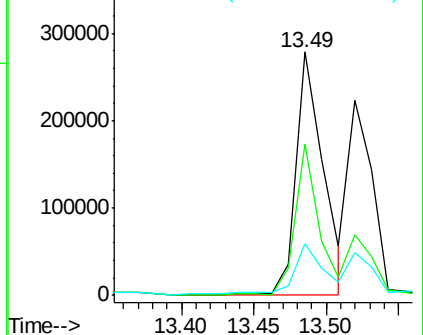
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	359990		
226	62.0	20.0	30.0	
229	21.1	15.4	23.2	

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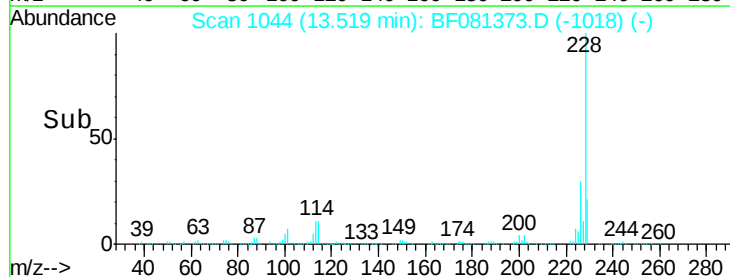
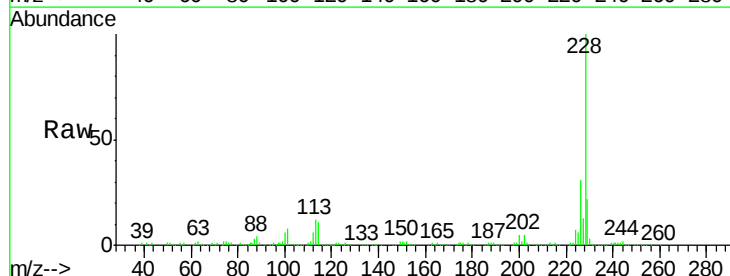
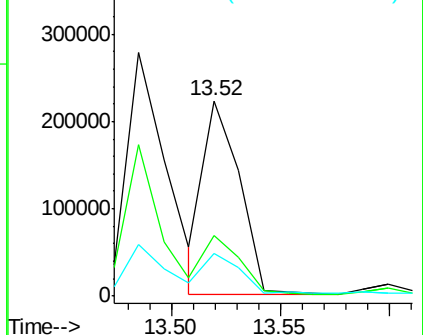
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

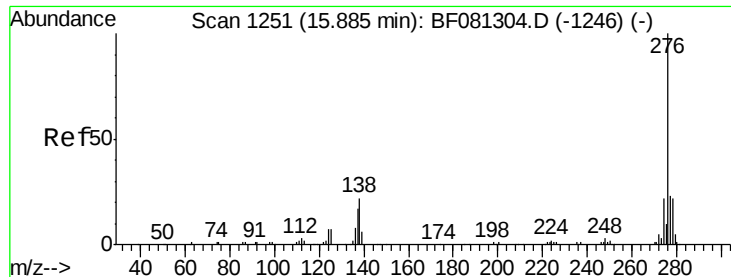


#82
Chrysene
Concen: 43.09 ng
RT: 13.52 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF081373.D
Acq: 3 Sep 2015 3:58

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	256922		
226	31.3	21.0	31.4	
229	22.1	15.6	23.4	

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





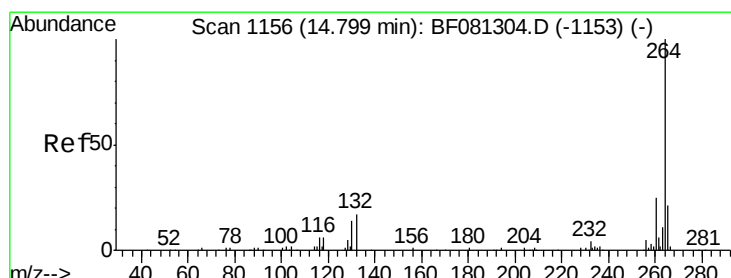
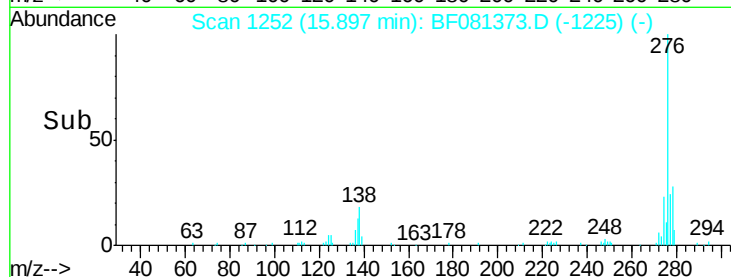
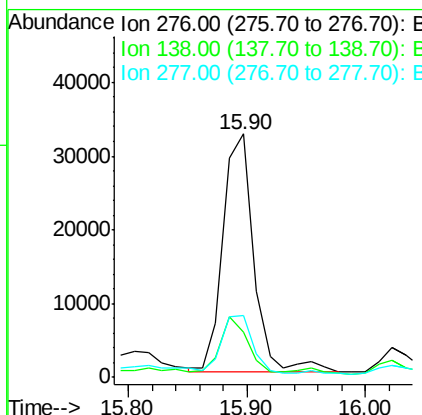
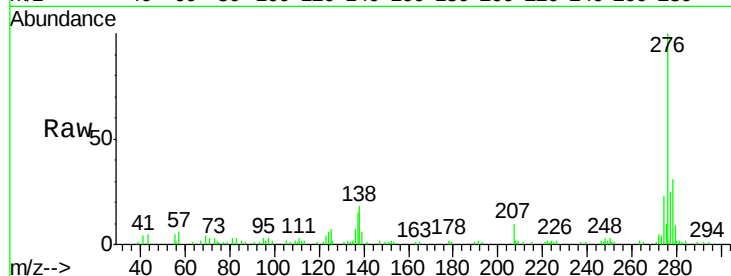
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.29 ng
 RT: 15.90 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: BF081373.D
 Acq: 3 Sep 2015 3:58

Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	25.7	38.5#
277	25.2	15.6	23.4#

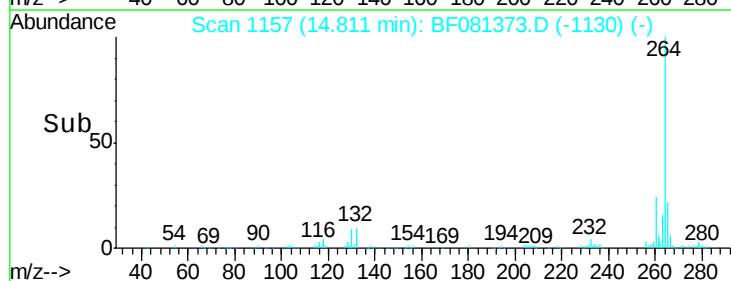
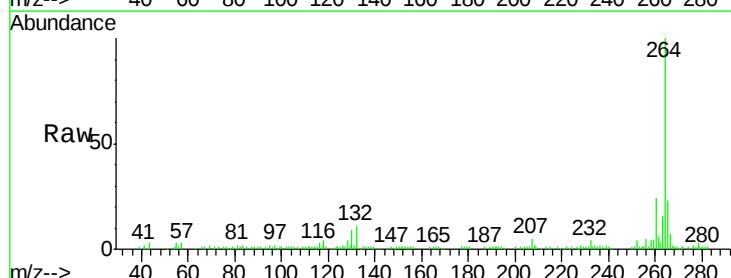
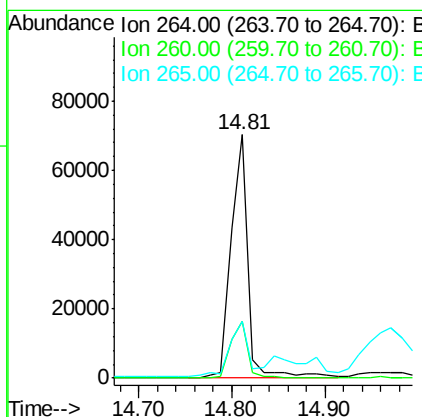
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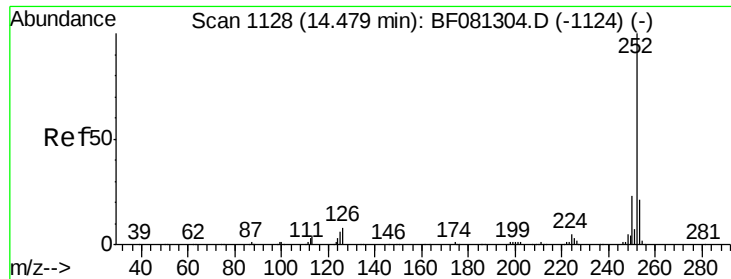
MMDadoda
 9/3/2015 1:45:36 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.81 min Scan# 1157
 Delta R.T. 0.01 min
 Lab File: BF081373.D
 Acq: 3 Sep 2015 3:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	16.7	25.1
265	23.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 25.32 ng m

RT: 14.48 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BF081373.D

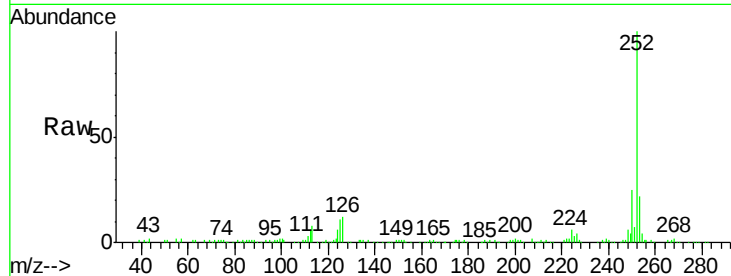
Acq: 3 Sep 2015 3:58

Instrument :

BNA_F

ClientSampleId :

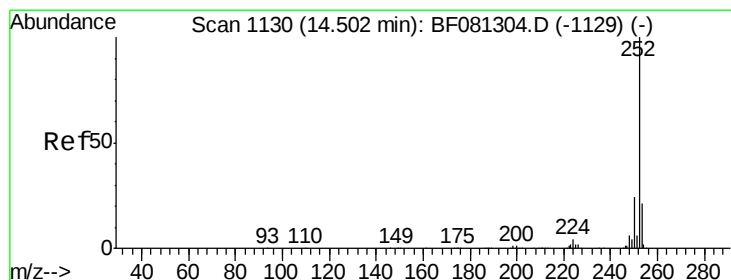
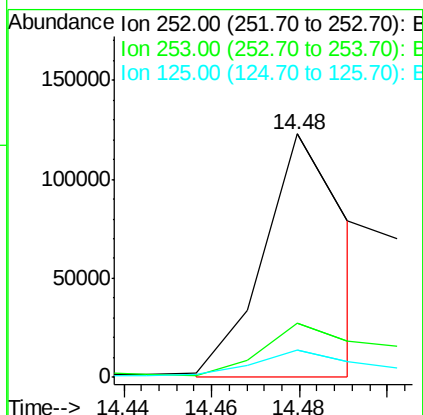
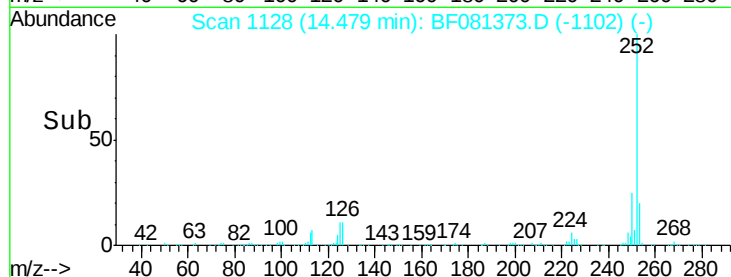
MGP206BR-29-31



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	161768		
253	22.4	17.5	26.3	
125	11.3	17.1	25.7#	

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#88

Benzo(k)fluoranthene

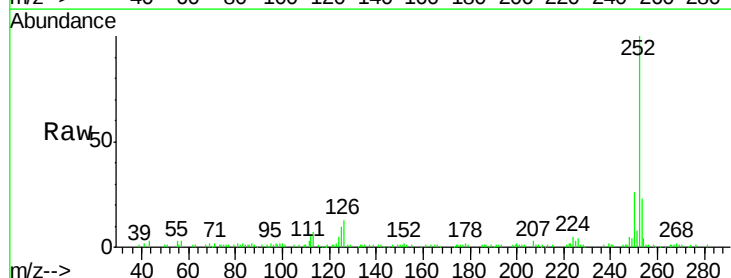
Concen: 10.39 ng m

RT: 14.49 min Scan# 1129

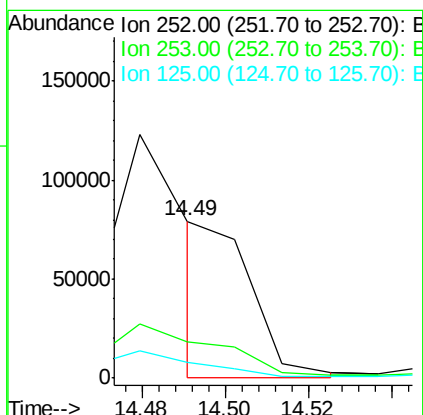
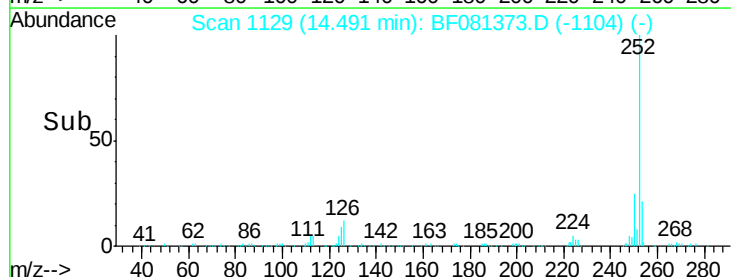
Delta R.T. -0.01 min

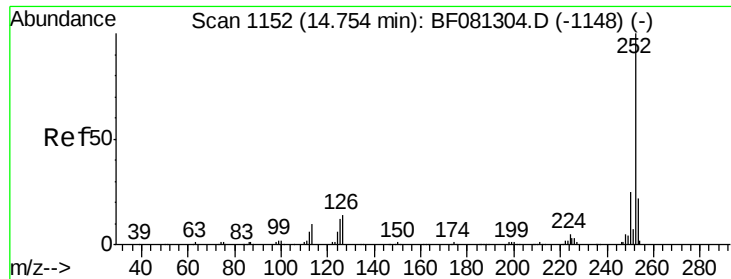
Lab File: BF081373.D

Acq: 3 Sep 2015 3:58



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	55102		
253	22.9	17.0	25.4	
125	10.4	16.0	24.0#	





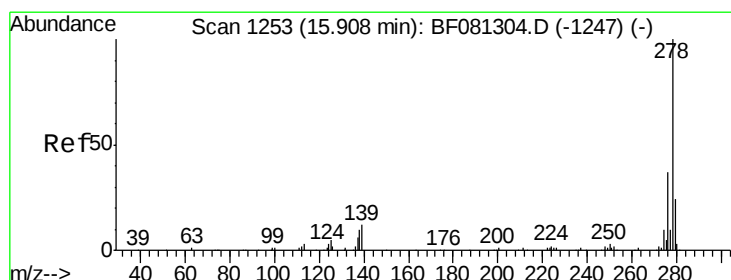
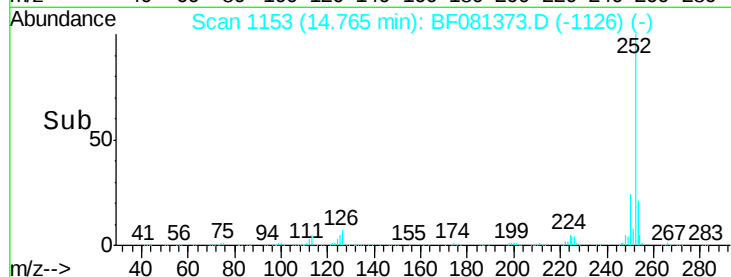
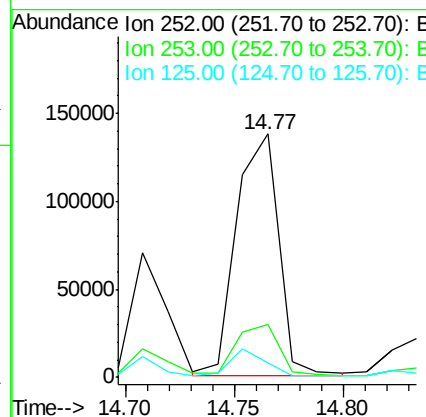
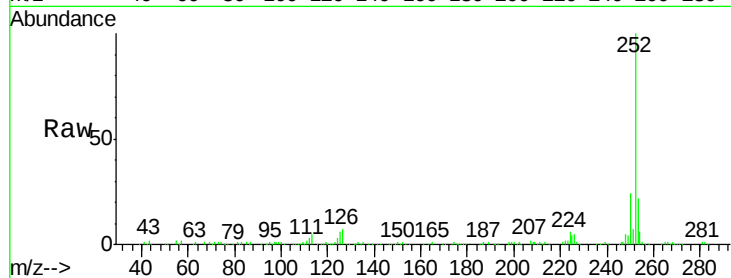
#89
Benzo(a)pyrene
Concen: 34.09 ng
RT: 14.77 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BF081373.D
Acq: 3 Sep 2015 3:58

Instrument :
BNA_F
ClientSampleId :
MGP206BR-29-31

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.6	17.2	25.8
125	5.7	18.0	27.0#

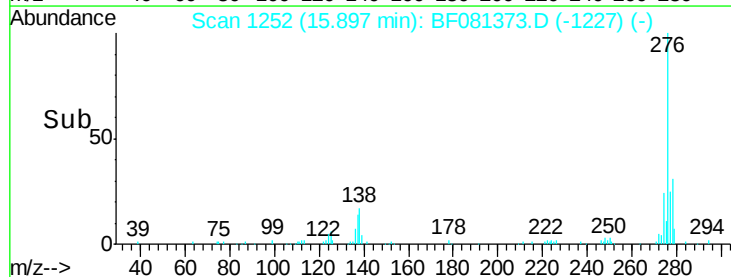
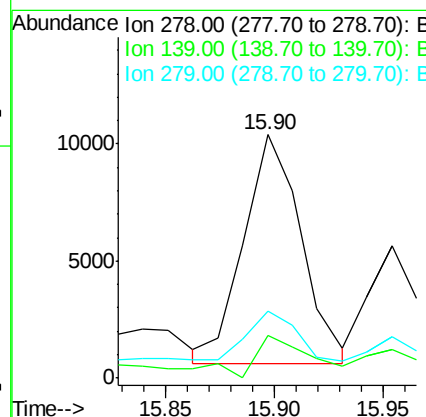
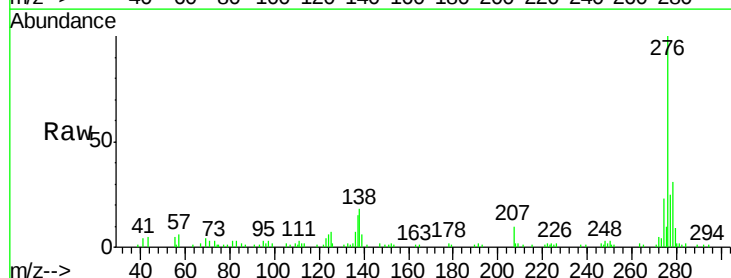
Manual Integrations
APPROVED

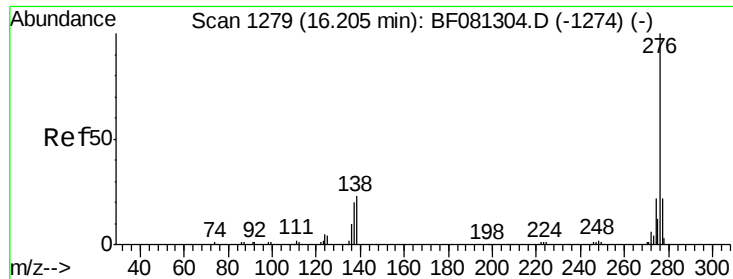
MMDadoda
9/3/2015 1:45:36 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.31 ng
RT: 15.90 min Scan# 1252
Delta R.T. -0.01 min
Lab File: BF081373.D
Acq: 3 Sep 2015 3:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	17.8	26.3	39.5#
279	27.5	18.2	27.4#





#91
 Benzo(g,h,i)perylene
 Concen: 12.94 ng
 RT: 16.22 min Scan# 1280
 Delta R.T. 0.01 min
 Lab File: BF081373.D
 Acq: 3 Sep 2015 3:58

Instrument :
 BNA_F
 ClientSampleId :
 MGP206BR-29-31

Tgt	Ion:276	Resp:	51667
Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.8	26.6
138	18.4	34.6	51.8#

Manual Integrations
 APPROVED

MMDadoda
 9/3/2015 1:45:36 PM

