

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073115\
 Data File : BF080724.D
 Acq On : 31 Jul 2015 9:19
 Operator : TP/UM
 Sample : G3114-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BRIDGE14-5(0-2)

Manual Integrations
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 8/3/2015 11:54:58 AM

Quant Time: Aug 01 00:48:37 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 01:45:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	175869	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	628290	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	295763	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	559400	20.00	ng	0.00
75) Chrysene-d12	14.00	240	364509	20.00	ng	0.00
86) Perylene-d12	15.41	264	290625	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	580542	56.63	ng	0.00
7) Phenol-d6	6.48	99	576169	41.28	ng	-0.01
23) Nitrobenzene-d5	7.41	82	1123269	86.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	496887	161.91	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2071013	104.47	ng	0.00
78) Terphenyl-d14	12.96	244	1694171	87.90	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.16	128	213904	6.82	ng	99
37) 2-Methylnaphthalene	8.84	142	85286	4.33	ng	97
51) Acenaphthene	9.92	154	405938	22.59	ng	99
54) Dibenzofuran	10.09	168	322703	13.43	ng	98
57) Fluorene	10.43	166	289006	15.49	ng	99
70) Phenanthrene	11.39	178	870342	30.88	ng	99
71) Anthracene	11.44	178	243030m	8.78	ng	
72) Carbazole	11.61	167	1940767	80.75	ng	98
74) Fluoranthene	12.57	202	203241	7.46	ng	94
77) Pyrene	12.80	202	136211	4.82	ng	98

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

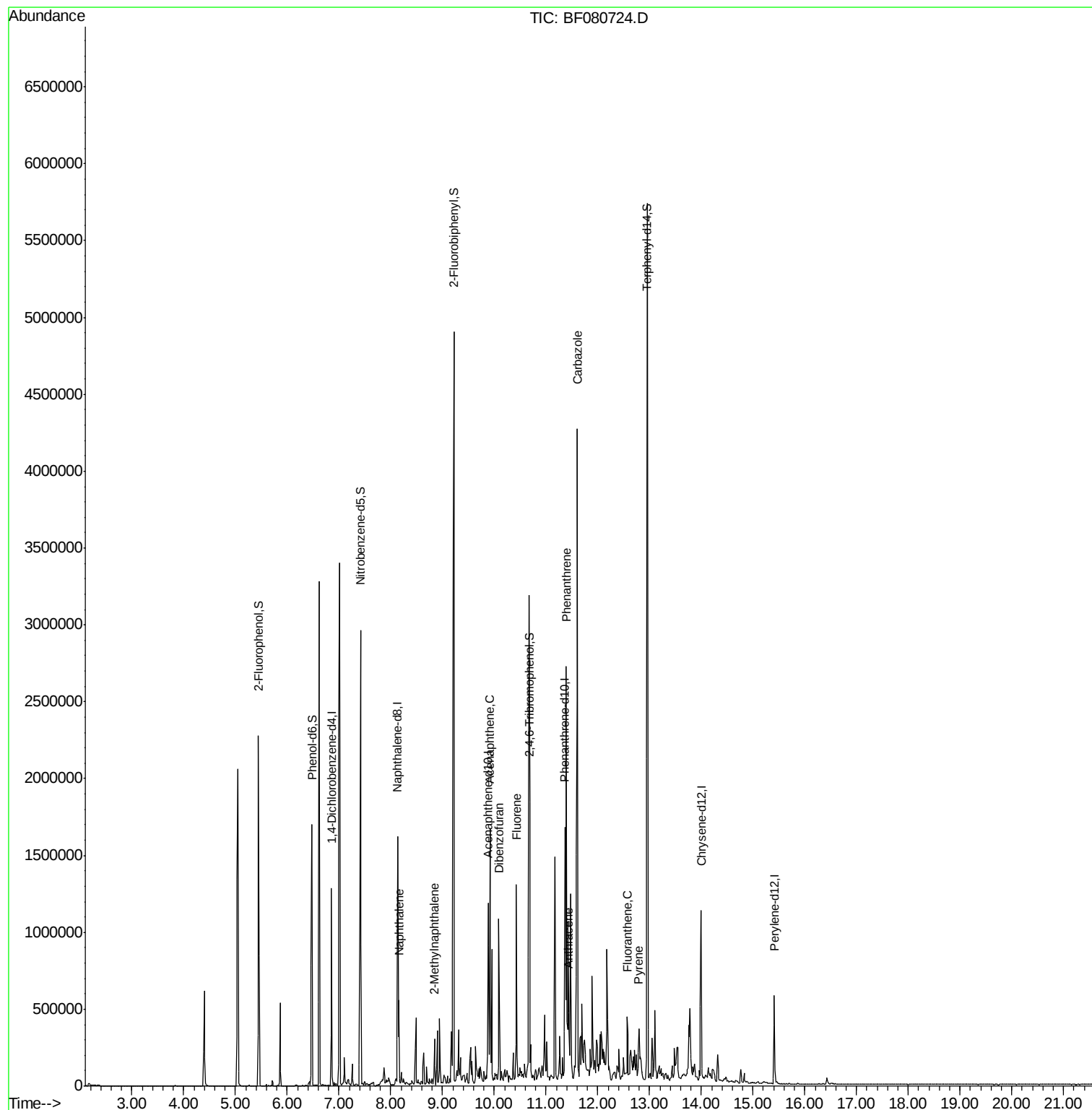
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073115\
Data File : BF080724.D
Acq On : 31 Jul 2015 9:19
Operator : TP/UM
Sample : G3114-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

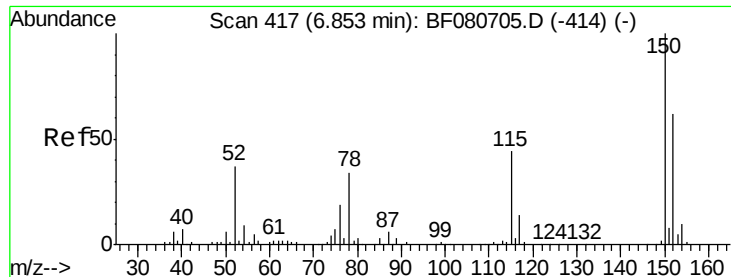
Instrument :
BNA_F
ClientSampleId :
BRIDGE14-5(0-2)

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF080724.D

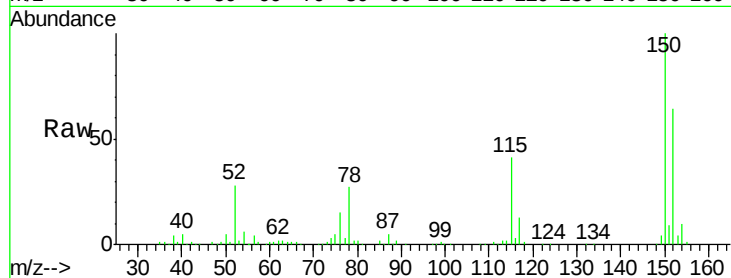
Acq: 31 Jul 2015 9:19

Instrument :

BNA_F

ClientSampleId :

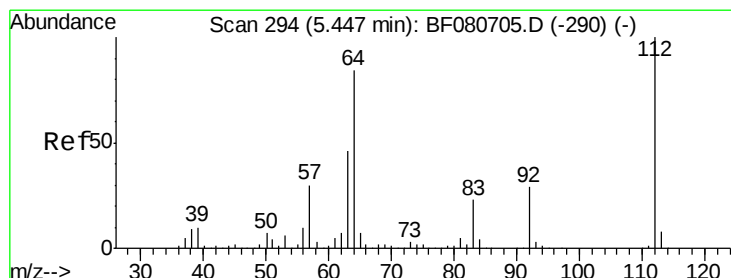
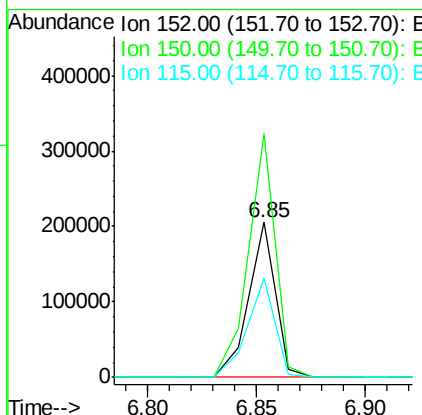
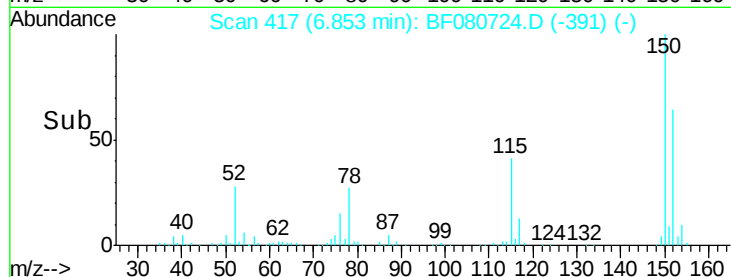
BRIDGE14-5(0-2)



Tgt Ion:	152	Resp:	175869
Ion Ratio	Lower	Upper	
152	100		
150	156.9	129.6	194.4
115	64.0	56.6	85.0

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#5

2-Fluorophenol

Concen: 56.63 ng

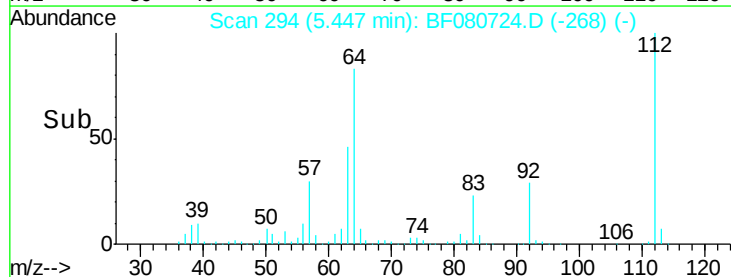
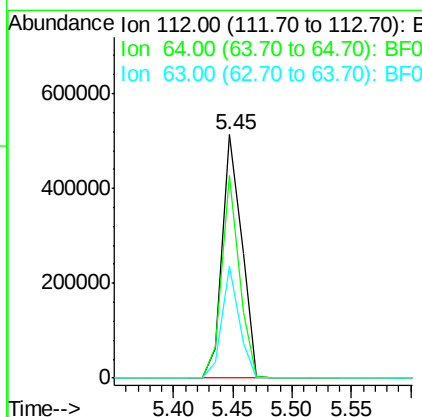
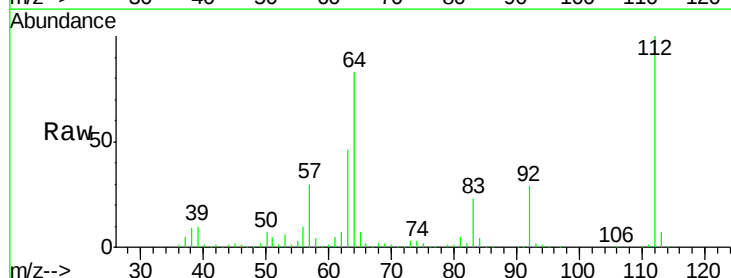
RT: 5.45 min Scan# 294

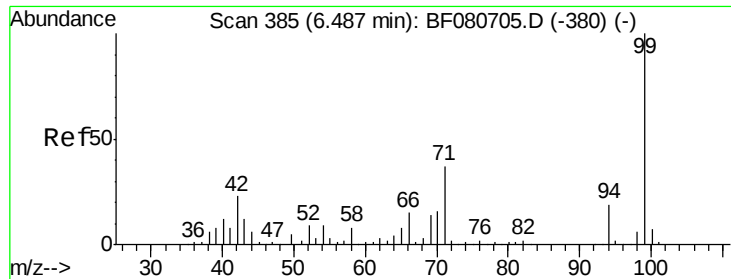
Delta R.T. -0.00 min

Lab File: BF080724.D

Acq: 31 Jul 2015 9:19

Tgt Ion:	112	Resp:	580542
Ion Ratio	Lower	Upper	
112	100		
64	83.4	66.8	100.2
63	46.1	36.7	55.1





#7

Phenol-d6

Concen: 41.28 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF080724.D

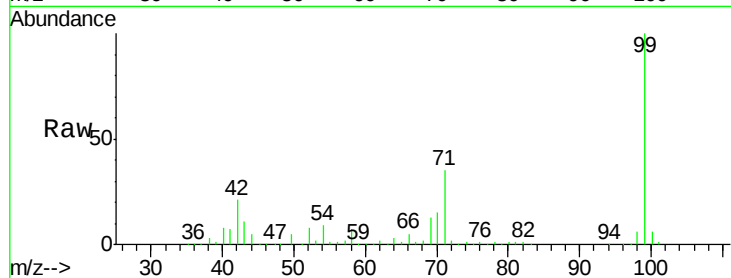
Acq: 31 Jul 2015 9:19

Instrument :

BNA_F

ClientSampleId :

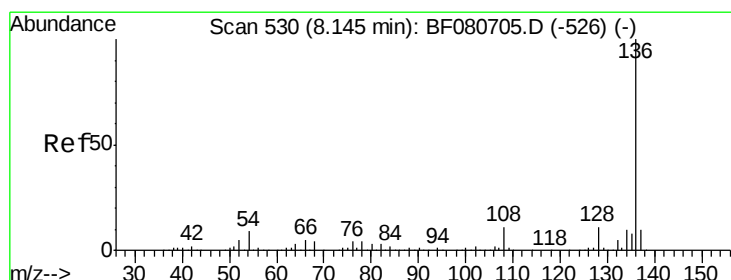
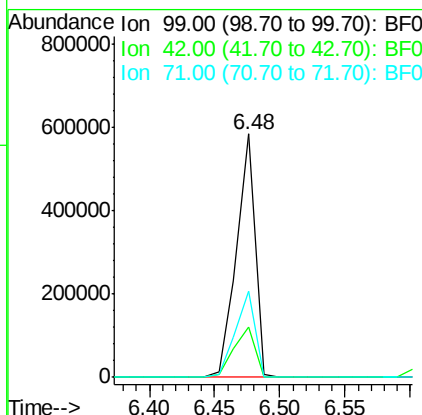
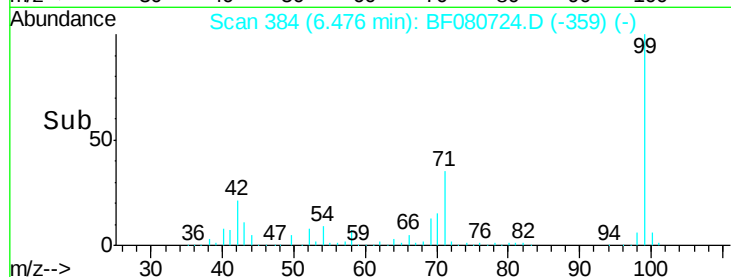
BRIDGE14-5(0-2)



Tgt Ion	Ratio	Lower	Upper
99	100		
42	20.5	18.2	27.2
71	35.3	29.5	44.3

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#21

Naphthalene-d8

Concen: 20.00 ng

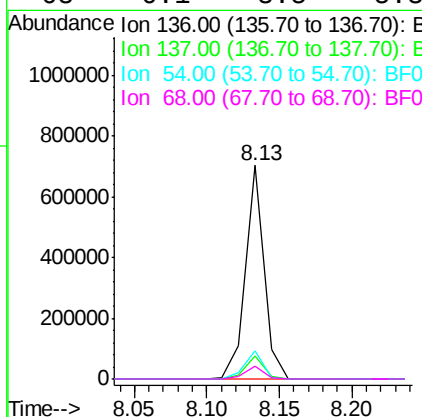
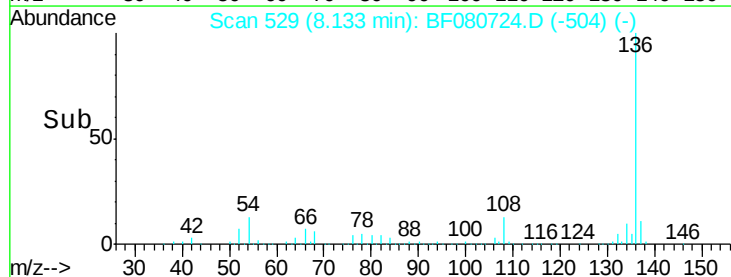
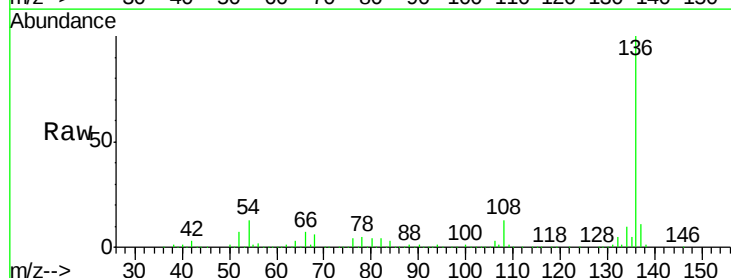
RT: 8.13 min Scan# 529

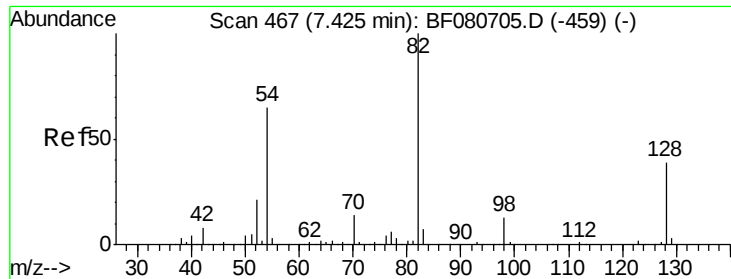
Delta R.T. -0.01 min

Lab File: BF080724.D

Acq: 31 Jul 2015 9:19

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	13.4	6.9	10.3#
68	6.1	3.5	5.3#





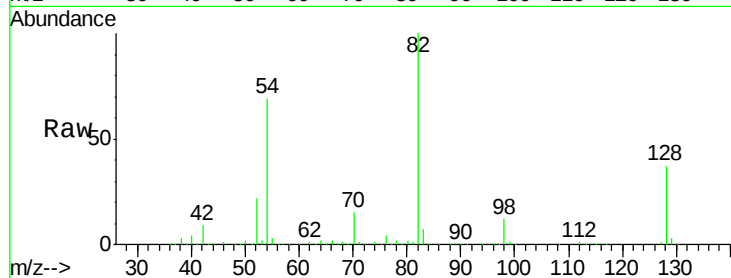
#23
Nitrobenzene-d5
Concen: 86.58 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF080724.D
Acq: 31 Jul 2015 9:19

Instrument :
BNA_F
ClientSampleId :
BRIDGE14-5(0-2)

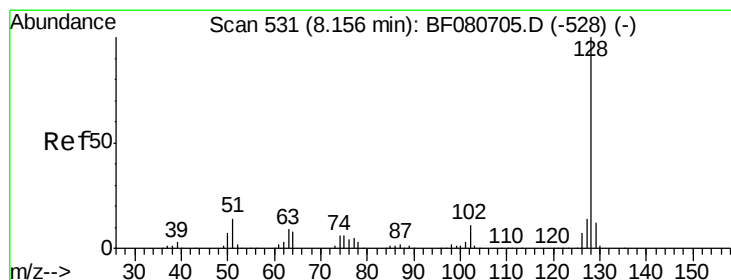
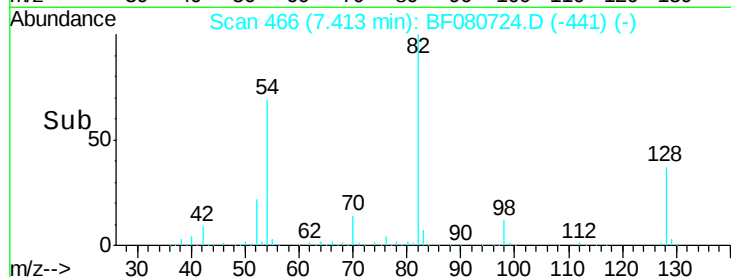
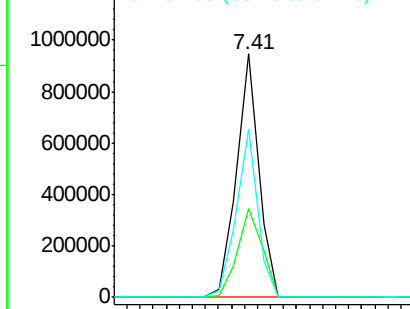
Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.6	31.5	47.3
54	69.0	51.8	77.8

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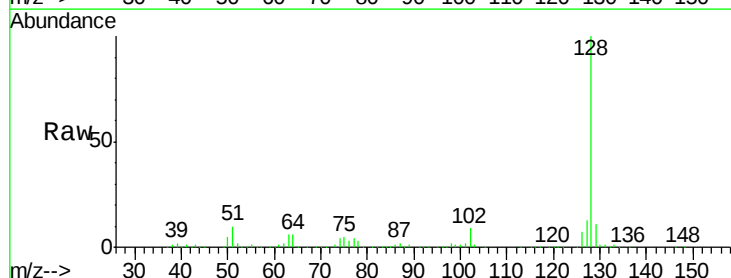


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

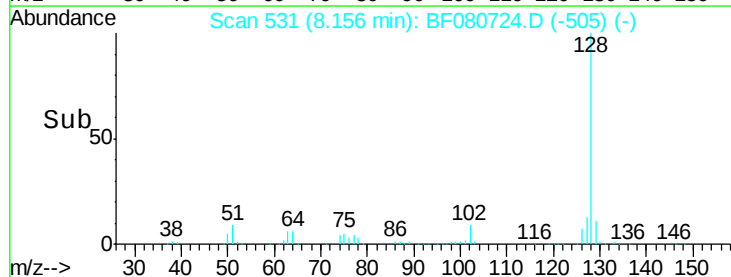
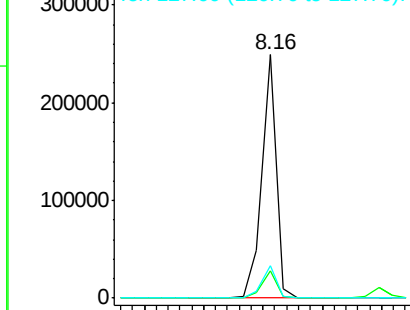


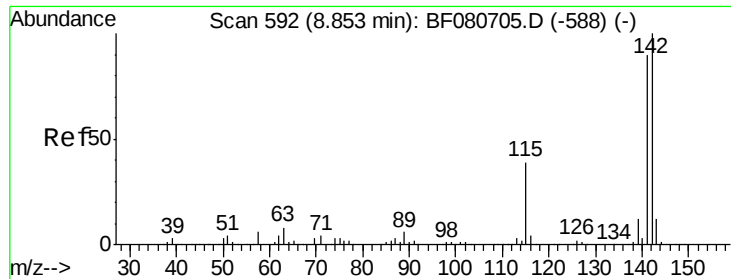
#31
Naphthalene
Concen: 6.82 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF080724.D
Acq: 31 Jul 2015 9:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.5	14.3
127	13.3	11.0	16.6



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





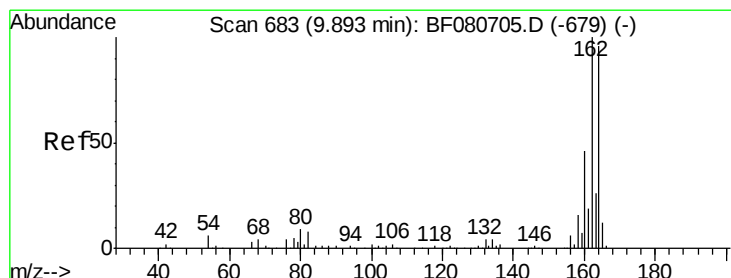
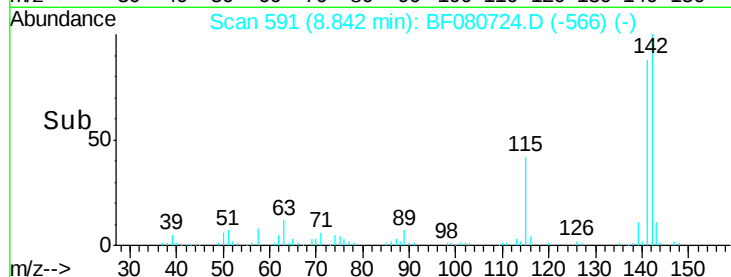
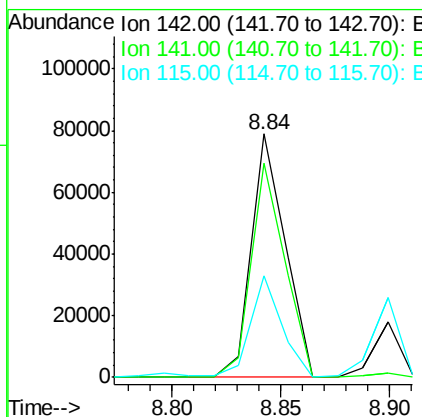
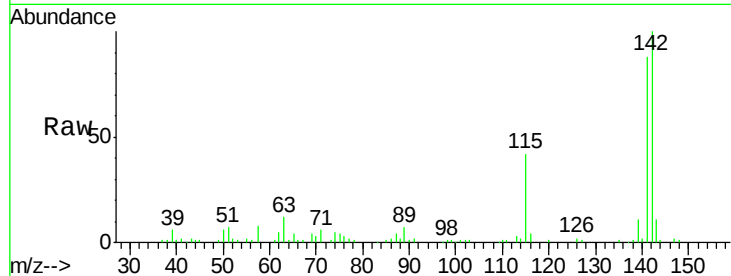
#37
2-Methylnaphthalene
Concen: 4.33 ng
RT: 8.84 min Scan# 591
Delta R.T. -0.01 min
Lab File: BF080724.D
Acq: 31 Jul 2015 9:19

Instrument :
BNA_F
ClientSampleId :
BRIDGE14-5(0-2)

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.9	107.9
115	42.0	31.4	47.2

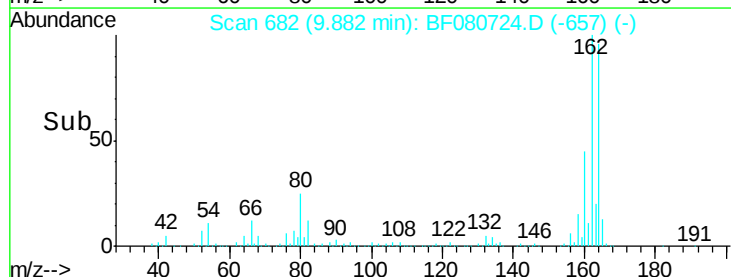
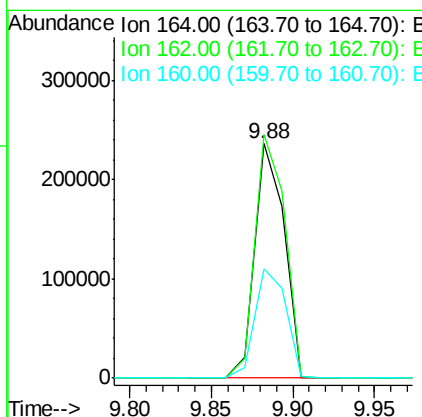
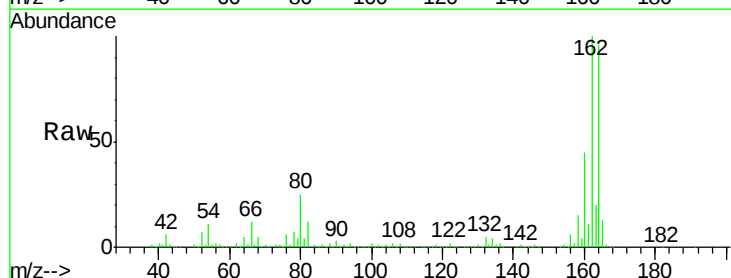
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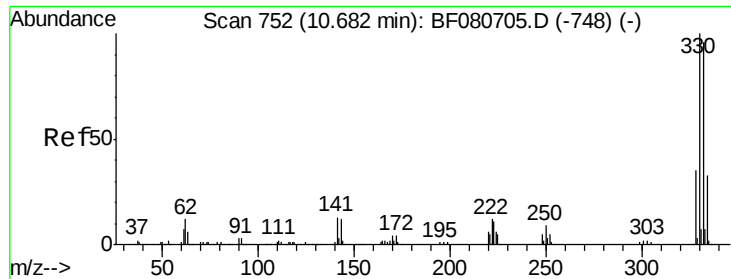
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF080724.D
Acq: 31 Jul 2015 9:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	83.4	125.0
160	46.5	38.0	57.0





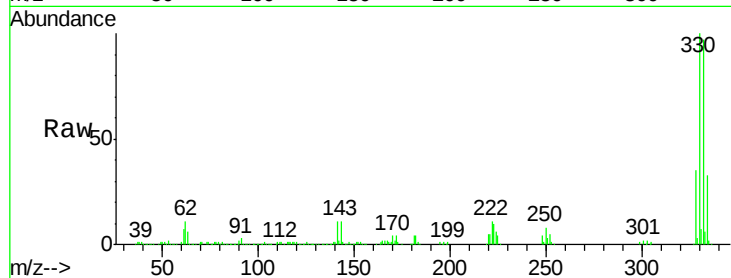
#41
 2,4,6-Tribromophenol
 Concen: 161.91 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF080724.D
 Acq: 31 Jul 2015 9:19

Instrument :
 BNA_F
 ClientSampleId :
 BRIDGE14-5(0-2)

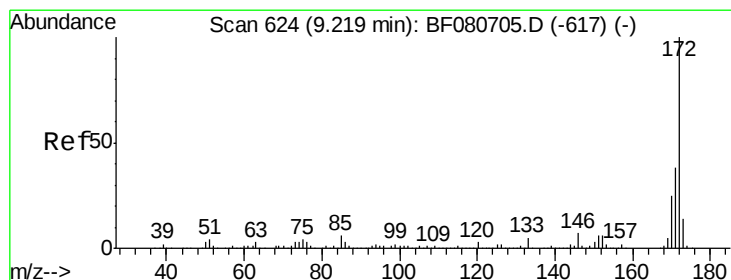
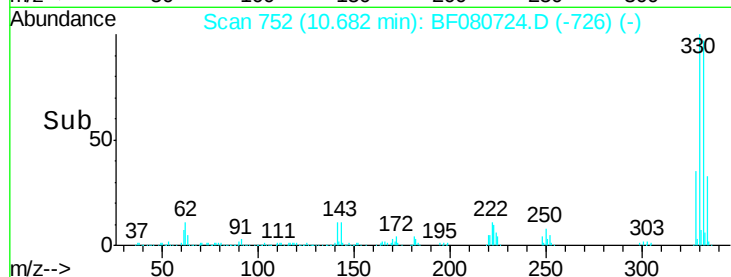
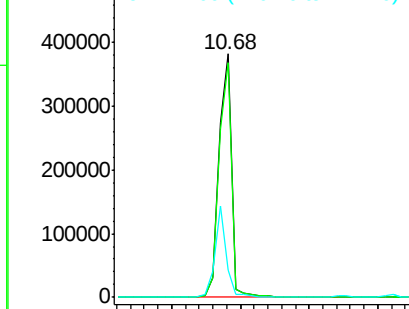
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	496887		
332	96.6	76.6	114.8	
141	33.3	26.0	39.0	

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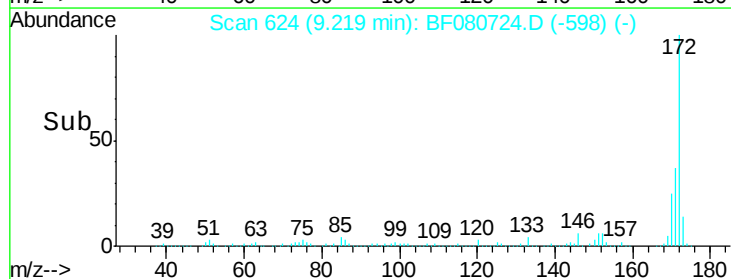
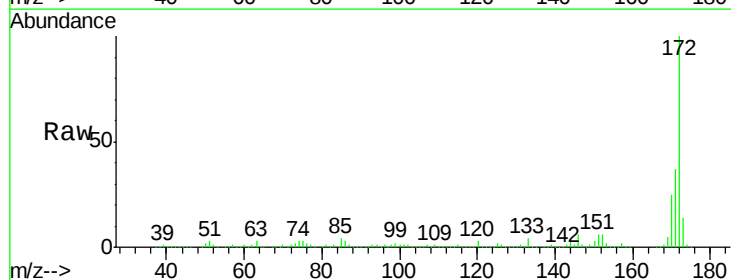
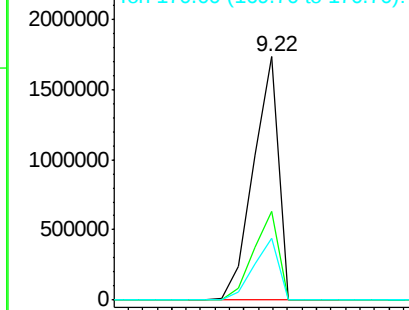
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

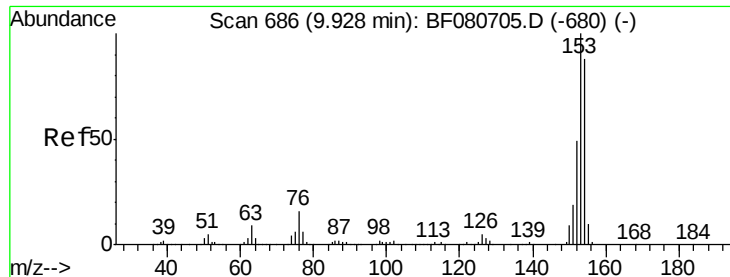


#44
 2-Fluorobiphenyl
 Concen: 104.47 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF080724.D
 Acq: 31 Jul 2015 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2071013		
171	36.7	30.2	45.4	
170	25.2	20.2	30.2	

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





#51

Acenaphthene

Concen: 22.59 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF080724.D

Acq: 31 Jul 2015 9:19

Instrument :

BNA_F

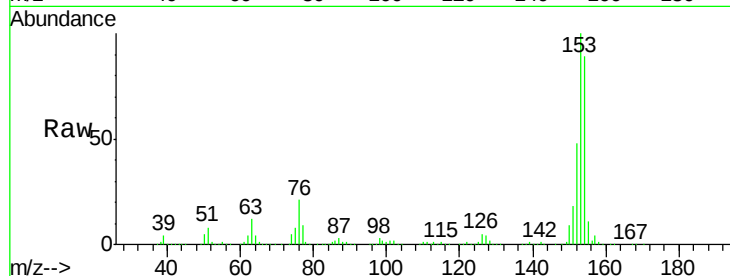
ClientSampleId :

BRIDGE14-5(0-2)

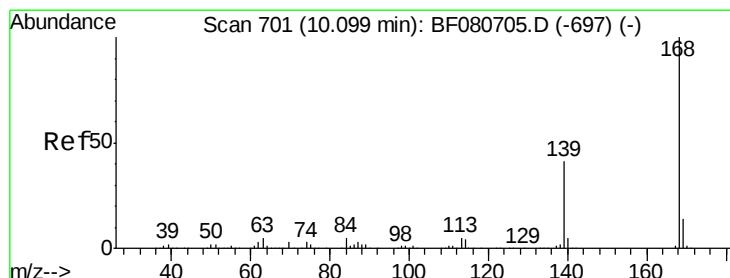
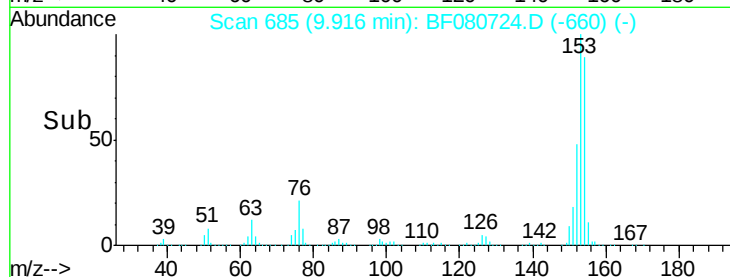
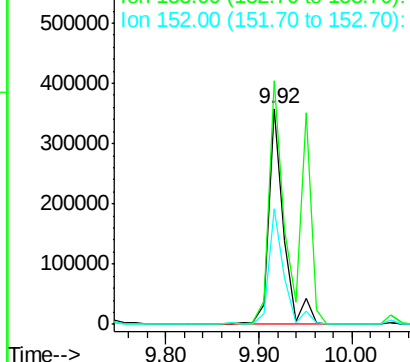
Tgt Ion:	154	Resp:	405938
Ion Ratio	Lower	Upper	
154	100		
153	112.8	90.7	136.1
152	53.9	44.2	66.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 13.43 ng

RT: 10.09 min Scan# 700

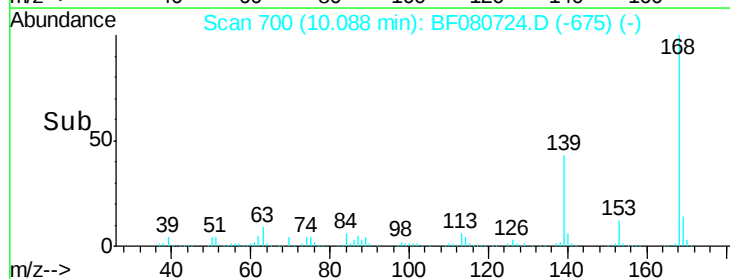
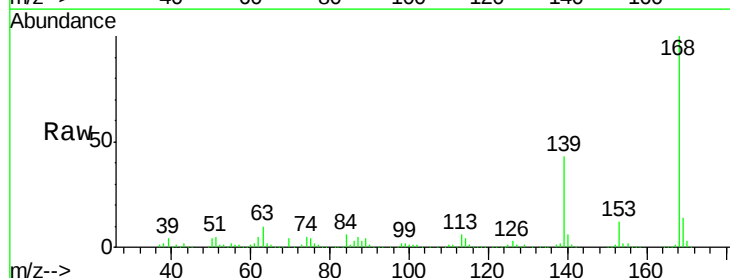
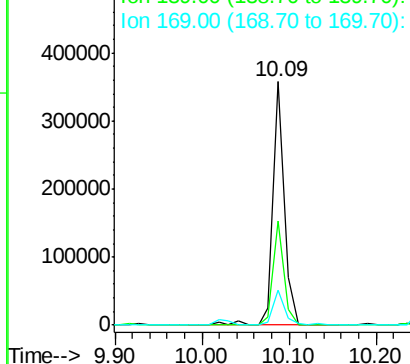
Delta R.T. -0.01 min

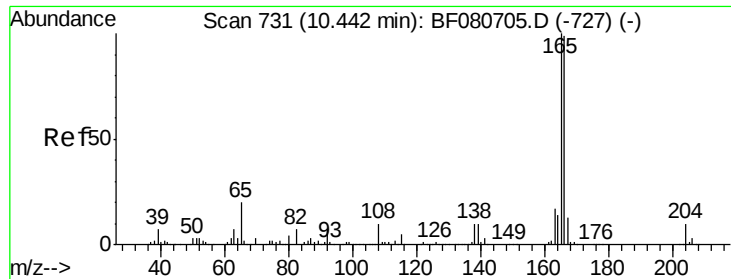
Lab File: BF080724.D

Acq: 31 Jul 2015 9:19

Tgt Ion:	168	Resp:	322703
Ion Ratio	Lower	Upper	
168	100		
139	42.9	33.0	49.6
169	14.3	11.4	17.2

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





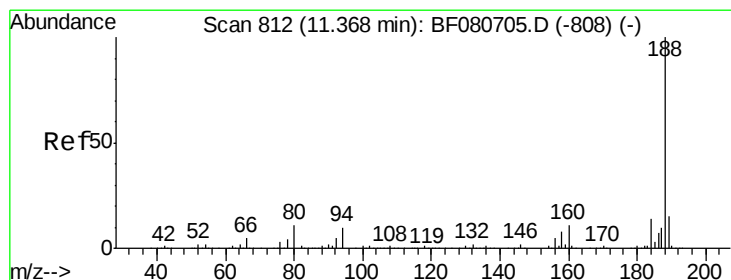
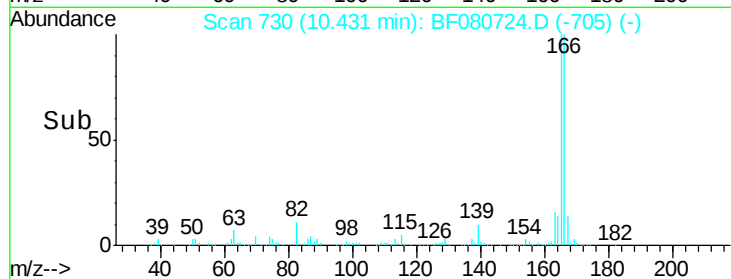
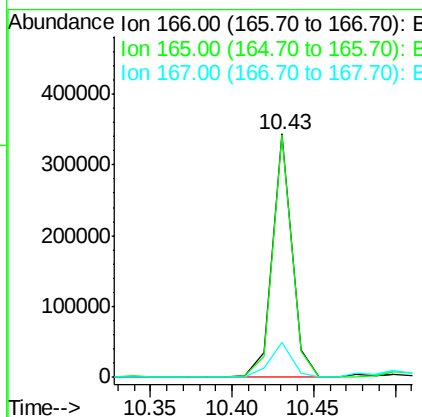
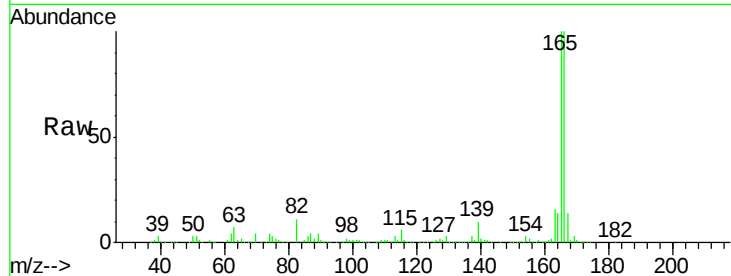
#57
Fluorene
Concen: 15.49 ng
RT: 10.43 min Scan# 730
Delta R.T. -0.01 min
Lab File: BF080724.D
Acq: 31 Jul 2015 9:19

Instrument :
BNA_F
ClientSampleId :
BRIDGE14-5(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	289006		
165	99.8	81.0	121.4	
167	14.2	10.8	16.2	

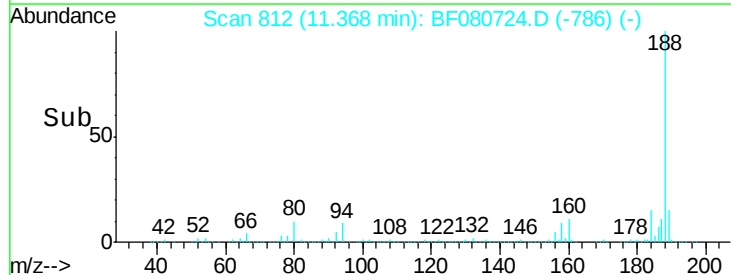
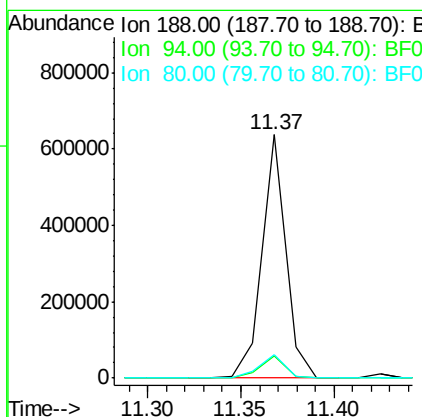
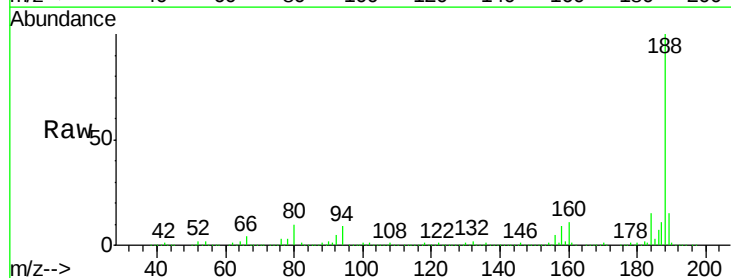
Manual Integrations
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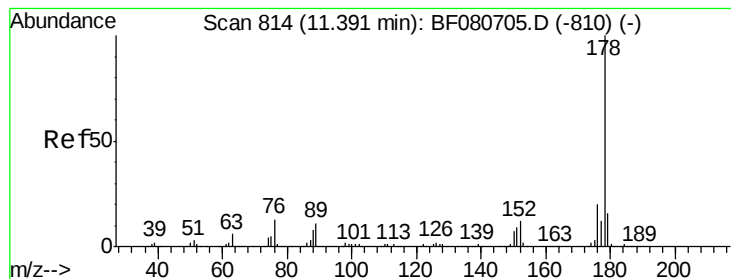
MMDadoda
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF080724.D
Acq: 31 Jul 2015 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	559400		
94	8.9	8.1	12.1	
80	9.7	9.1	13.7	





#70

Phenanthrene

Concen: 30.88 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF080724.D

Acq: 31 Jul 2015 9:19

Instrument :

BNA_F

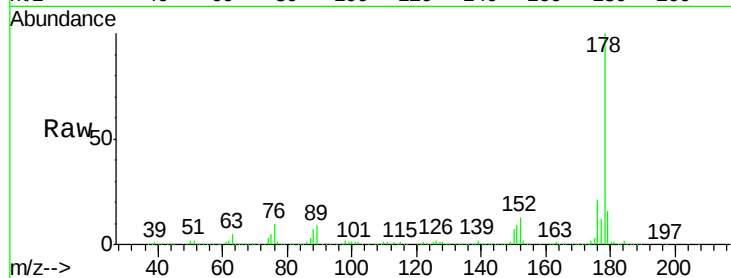
ClientSampleId :

BRIDGE14-5(0-2)

Tgt Ion:	178	Resp:	870342
Ion Ratio	Lower	Upper	
178	100		
176	20.7	16.2	24.4
179	16.3	13.0	19.4

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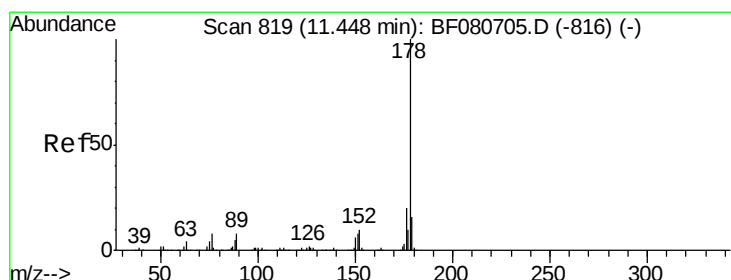
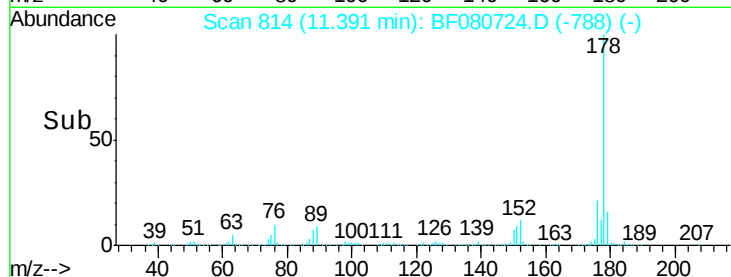
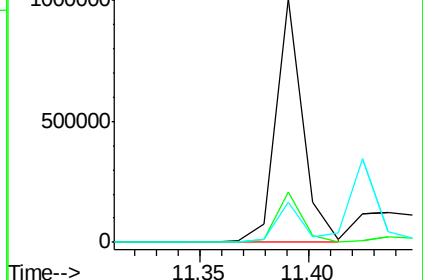
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 8.78 ng m

RT: 11.44 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF080724.D

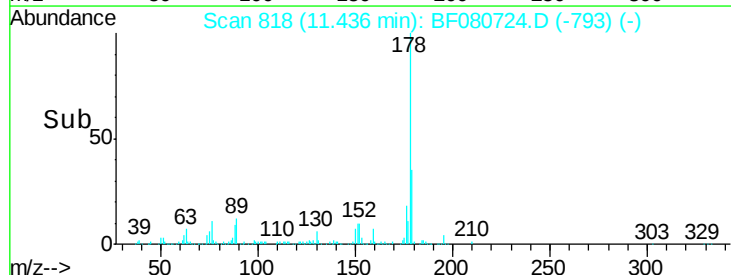
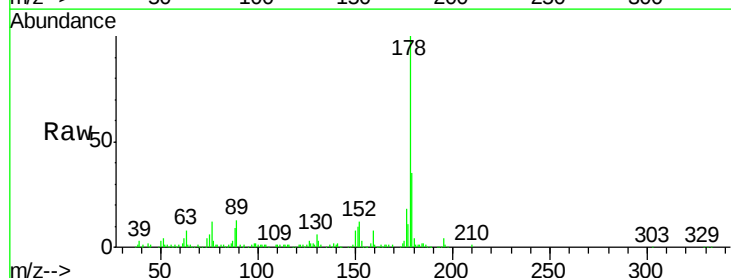
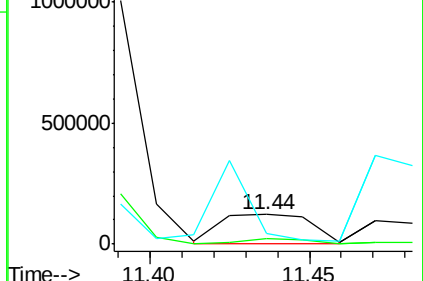
Acq: 31 Jul 2015 9:19

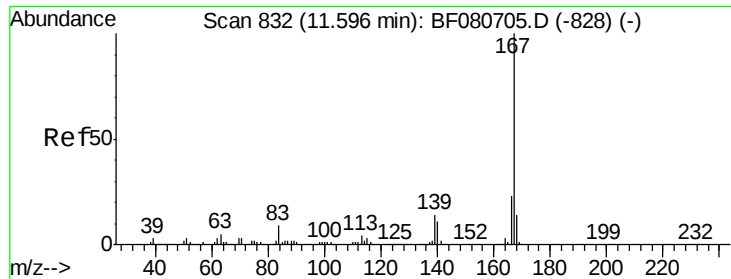
Tgt Ion:	178	Resp:	243030
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.9	23.9
179	34.9	12.7	19.1#

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





#72

Carbazole

Concen: 80.75 ng

RT: 11.61 min Scan# 833

Delta R.T. 0.01 min

Lab File: BF080724.D

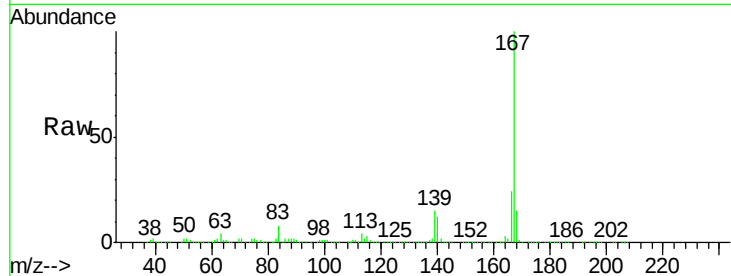
Acq: 31 Jul 2015 9:19

Instrument :

BNA_F

ClientSampleId :

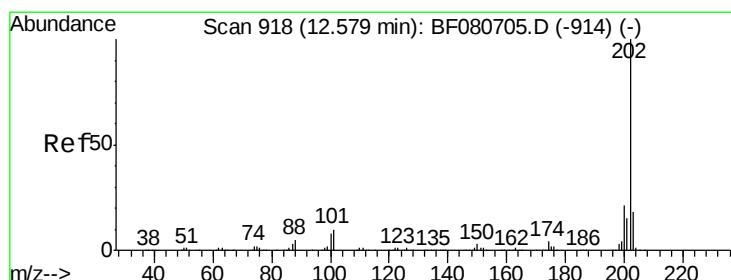
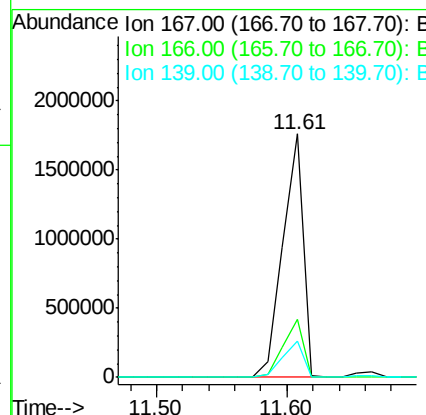
BRIDGE14-5(0-2)



Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.6	18.2	27.4
139	15.1	11.5	17.3

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#74

Fluoranthene

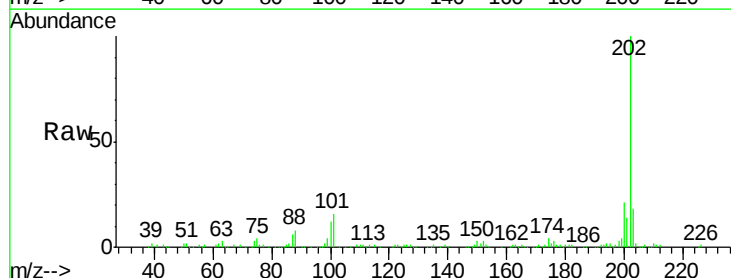
Concen: 7.46 ng

RT: 12.57 min Scan# 917

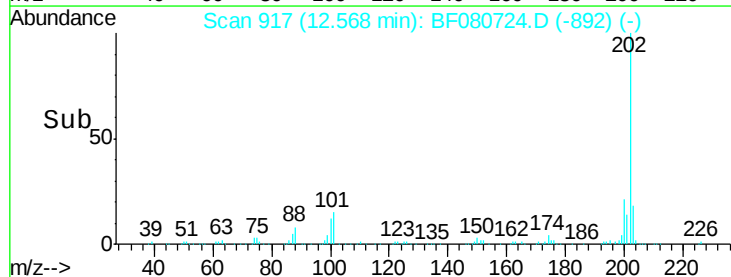
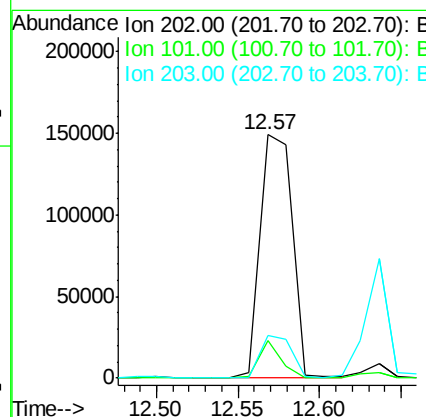
Delta R.T. -0.01 min

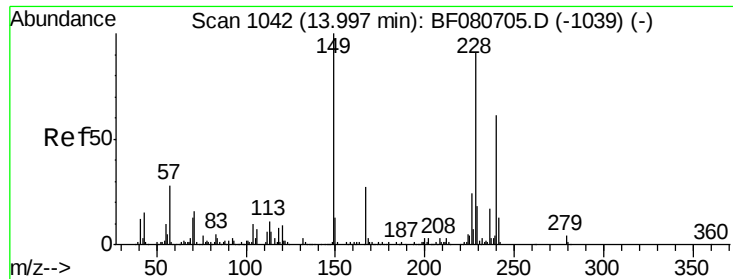
Lab File: BF080724.D

Acq: 31 Jul 2015 9:19



Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	29.6
203	17.6	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF080724.D

Acq: 31 Jul 2015 9:19

Instrument :

BNA_F

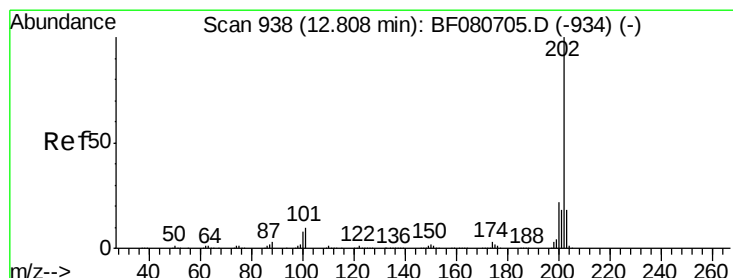
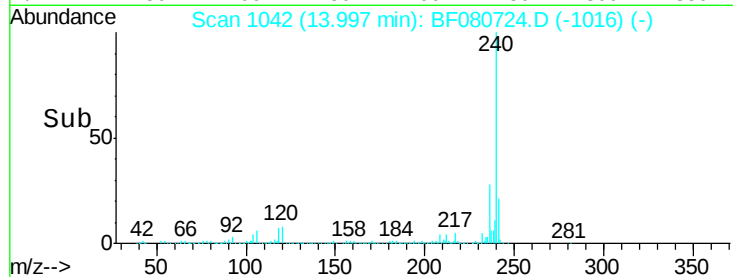
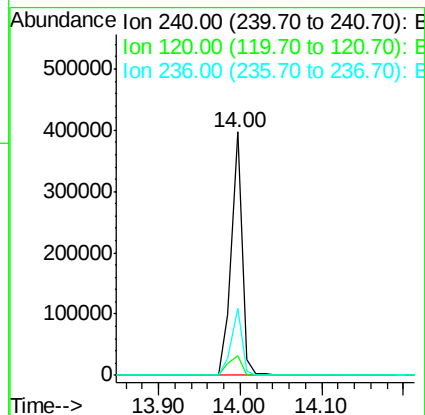
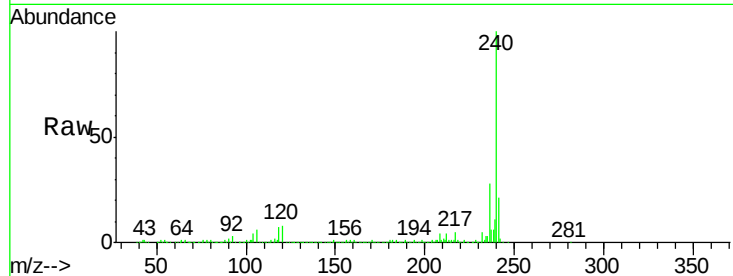
ClientSampleId :

BRIDGE14-5(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	364509		
120	8.3	11.8	17.8	
236	27.6	21.8	32.8	

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#77

Pyrene

Concen: 4.82 ng

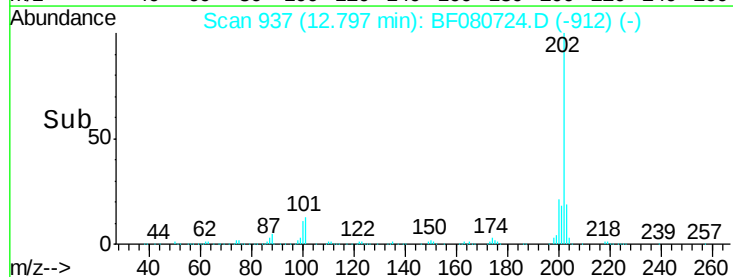
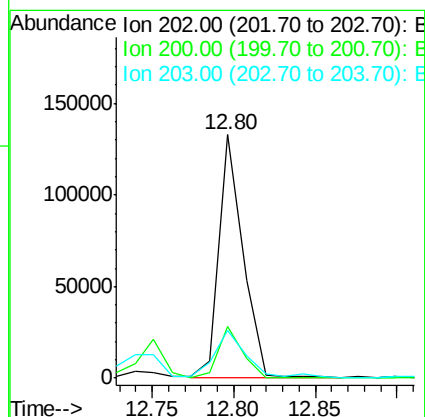
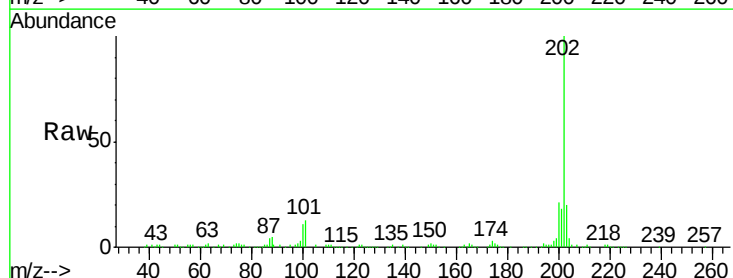
RT: 12.80 min Scan# 937

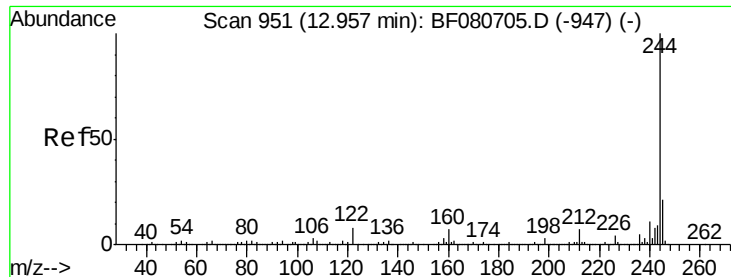
Delta R.T. -0.01 min

Lab File: BF080724.D

Acq: 31 Jul 2015 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	136211		
200	21.4	17.4	26.2	
203	19.5	14.2	21.2	





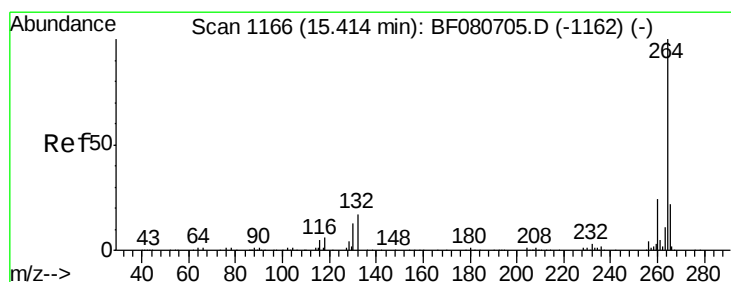
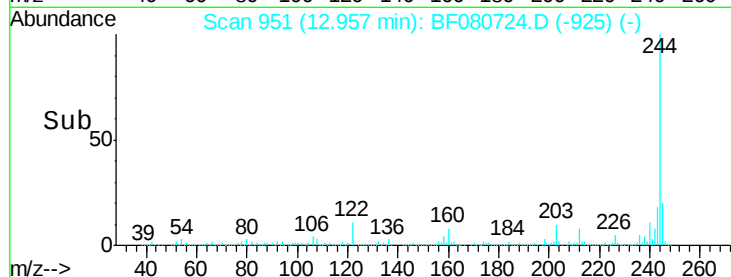
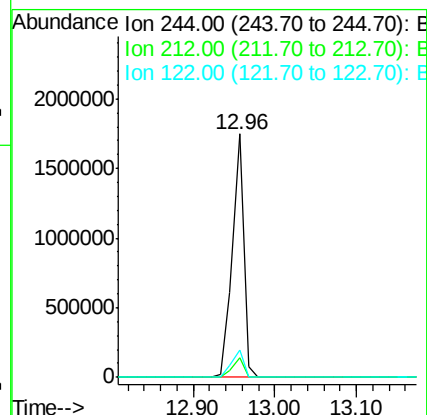
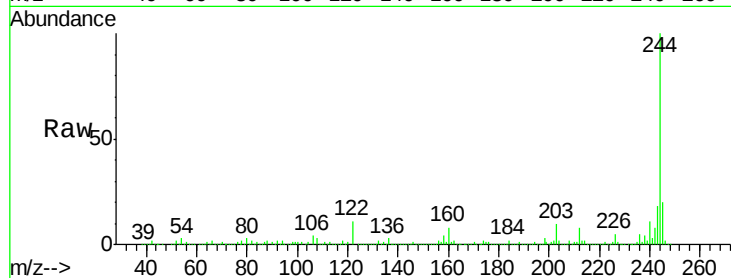
#78
 Terphenyl-d14
 Concen: 87.90 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BF080724.D
 Acq: 31 Jul 2015 9:19

Instrument :
 BNA_F
 ClientSampleId :
 BRIDGE14-5(0-2)

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.9	8.9
122	11.4	6.6	9.8

Manual Integrations
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: BF080724.D
 Acq: 31 Jul 2015 9:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.0
265	20.6	17.3	25.9

