

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072215\
 Data File : BF080567.D
 Acq On : 22 Jul 2015 21:42
 Operator : TP/UM
 Sample : G2976-01DL2 20X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BRIDGE14-5(0-2)DL2

Manual Integrations
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Quant Time: Jul 23 05:35:52 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 23 05:13:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	43920	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	161187	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	69224	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	122425	20.00	ng	0.00
75) Chrysene-d12	14.28	240	70531	20.00	ng	-0.03
86) Perylene-d12	15.95	264	56625	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	5192	2.10	ng	0.00
7) Phenol-d6	6.56	99	13403	4.39	ng	-0.01
23) Nitrobenzene-d5	7.52	82	6896	2.76	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.32	172	18224	3.79	ng	0.00
78) Terphenyl-d14	13.12	244	12205	3.55	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.27	128	37165	4.64	ng	99
37) 2-Methylnaphthalene	8.96	142	14711	3.28	ng	94
51) Acenaphthene	10.04	154	47220	11.95	ng	92
54) Dibenzofuran	10.21	168	56552	9.74	ng	99
57) Fluorene	10.56	166	56408	12.16	ng	94
70) Phenanthrene	11.52	178	464477	66.84	ng	99
71) Anthracene	11.57	178	141170	21.95	ng	97
72) Carbazole	11.72	167	55760	9.57	ng	98
74) Fluoranthene	12.73	202	366795	58.34	ng	94
77) Pyrene	12.96	202	256640	53.45	ng	95
80) Benzo(a)anthracene	14.27	228	103502	25.82	ng	99
82) Chrysene	14.32	228	85691	21.39	ng	96
85) Indeno(1,2,3-cd)pyrene	17.47	276	66722	23.45	ng	97
87) Benzo(b)fluoranthene	15.51	252	68510m	19.24	ng	
88) Benzo(k)fluoranthene	15.52	252	33640m	9.54	ng	
89) Benzo(a)pyrene	15.88	252	57863m	18.75	ng	
90) Dibenzo(a,h)anthracene	17.49	278	13340m	5.07	ng	
91) Benzo(g,h,i)perylene	17.93	276	77698	29.01	ng	# 94

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

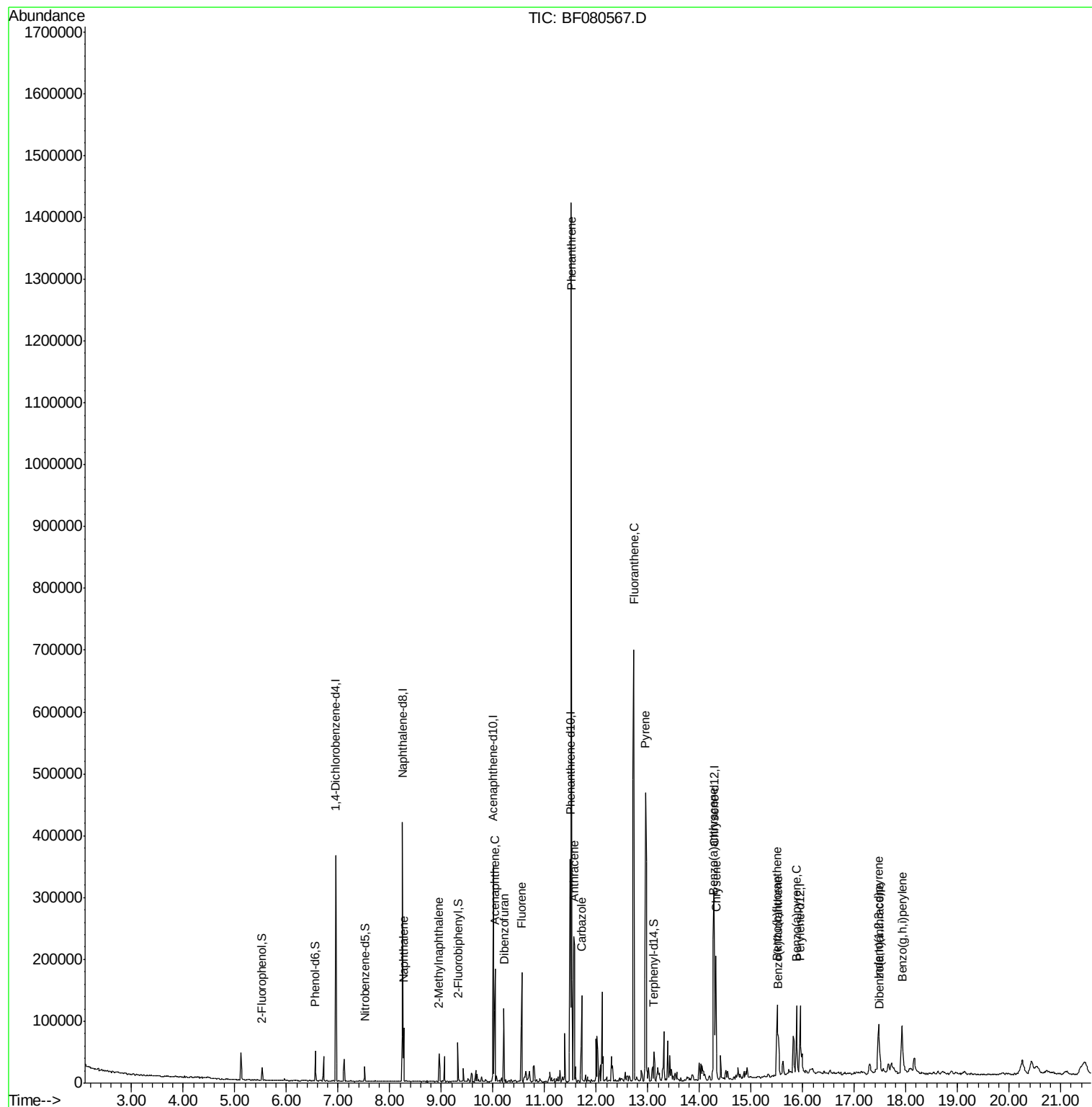
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072215\
Data File : BF080567.D
Acq On : 22 Jul 2015 21:42
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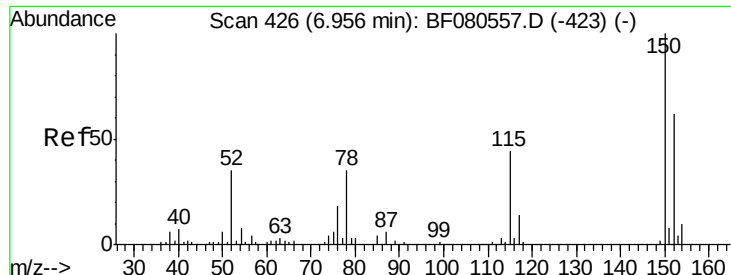
Instrument :
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ClientSampleId :
BRIDGE14-5(0-2)DL2

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Quant Time: Jul 23 05:35:52 2015
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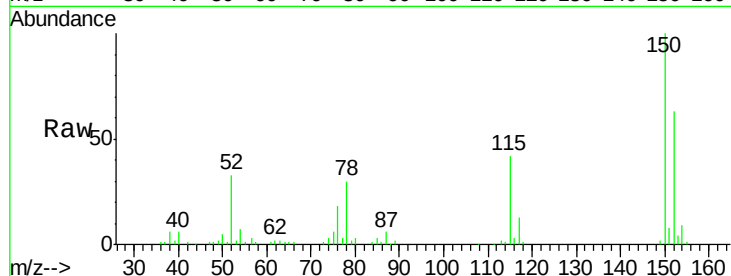




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.96 min Scan# 426
Delta R.T. 0.00 min
Lab File: BF080567.D
Acq: 22 Jul 2015 21:42

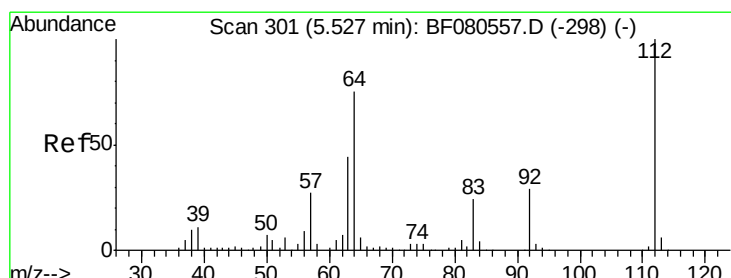
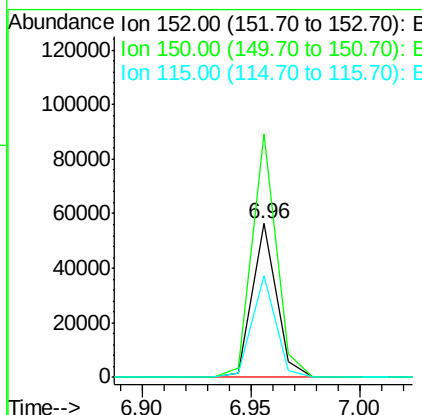
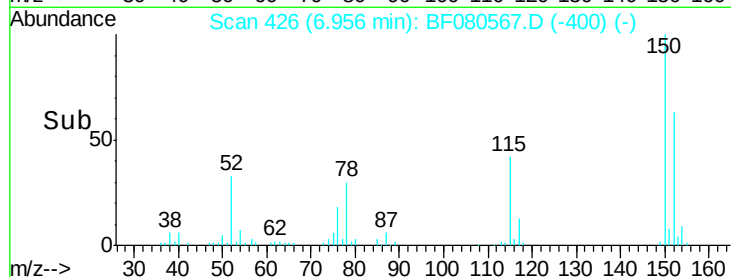
Instrument :
BNA_F
ClientSampleId :
BRIDGE14-5(0-2)DL2



Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.1	128.7	193.1
115	65.8	56.8	85.2

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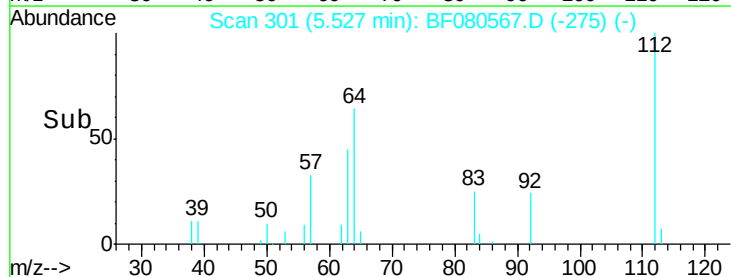
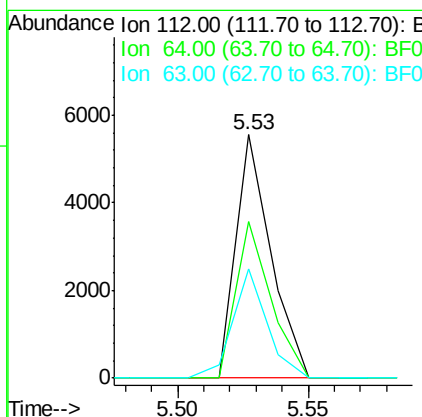
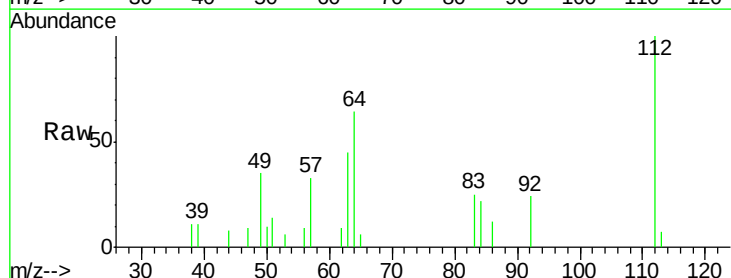
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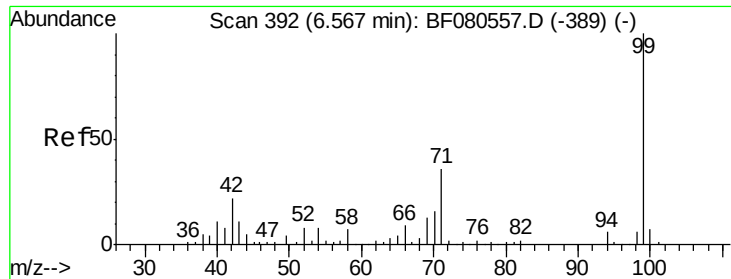


#5

2-Fluorophenol
Concen: 2.10 ng
RT: 5.53 min Scan# 301
Delta R.T. 0.00 min
Lab File: BF080567.D
Acq: 22 Jul 2015 21:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	60.2	90.2
63	44.7	34.8	52.2





#7

Phenol-d6

Concen: 4.39 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF080567.D

Acq: 22 Jul 2015 21:42

Instrument :

BNA_F

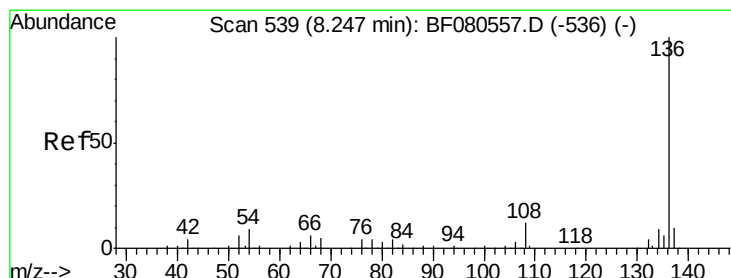
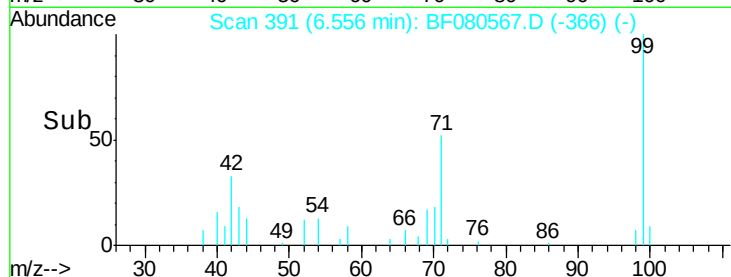
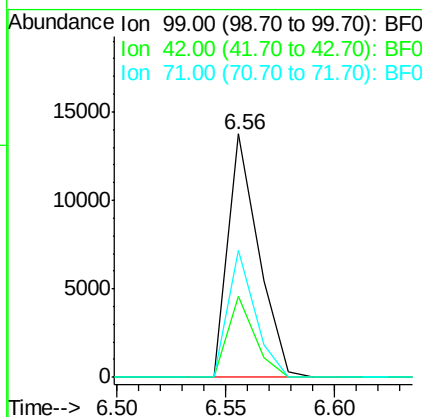
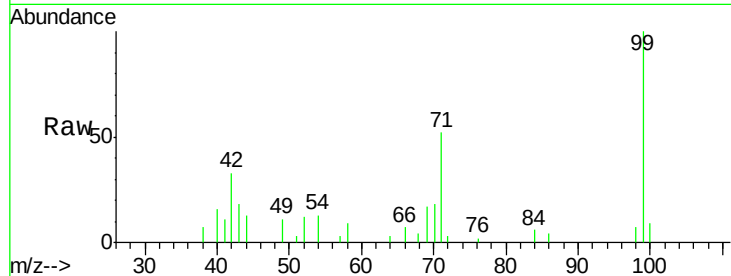
ClientSampleId :

BRIDGE14-5(0-2)DL2

Tgt Ion:	99	Resp:	13403
Ion Ratio	Lower	Upper	
99	100		
42	33.3	17.4	26.2#
71	52.3	29.0	43.6#

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#21

Naphthalene-d8

Concen: 20.00 ng

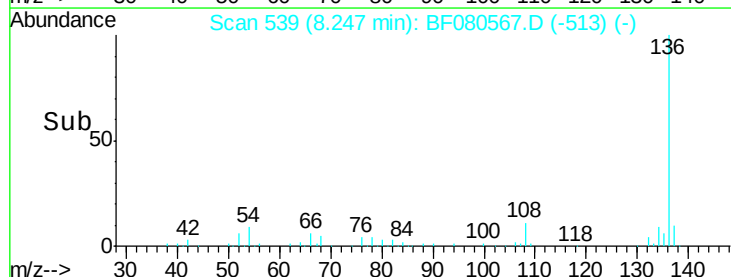
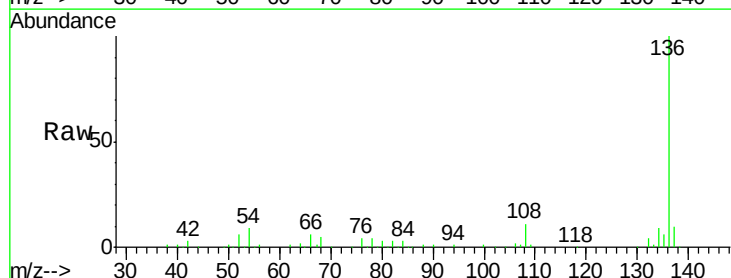
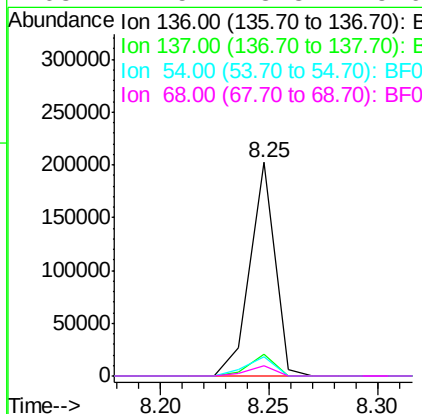
RT: 8.25 min Scan# 539

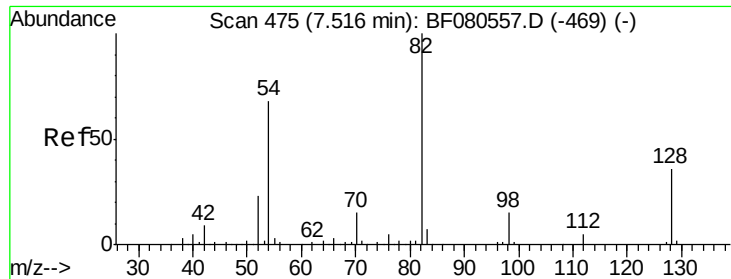
Delta R.T. -0.00 min

Lab File: BF080567.D

Acq: 22 Jul 2015 21:42

Tgt Ion:	136	Resp:	161187
Ion Ratio	Lower	Upper	
136	100		
137	10.4	7.8	11.8
54	8.8	7.2	10.8
68	4.5	3.8	5.6





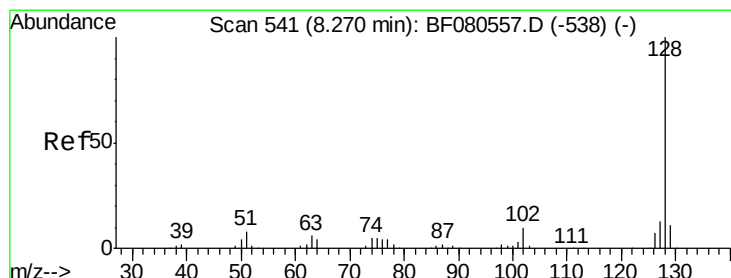
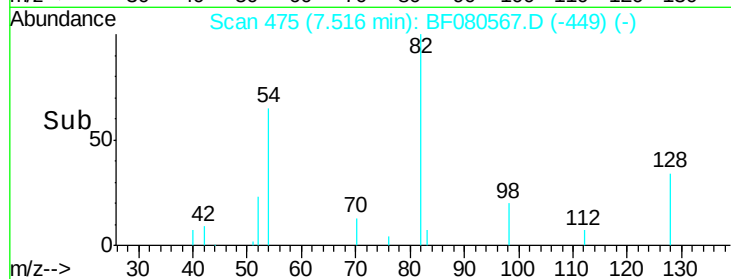
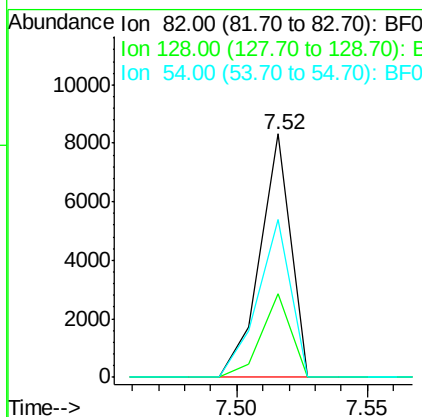
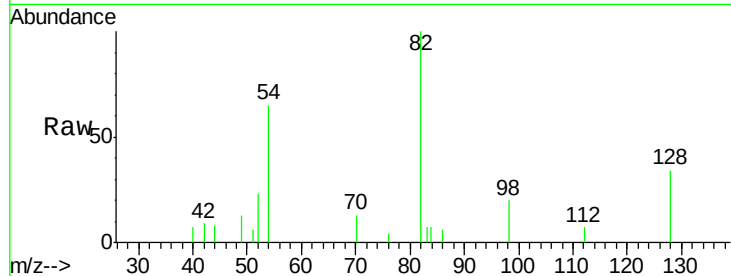
#23
 Nitrobenzene-d5
 Concen: 2.76 ng
 RT: 7.52 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: BF080567.D
 Acq: 22 Jul 2015 21:42

Instrument :
 BNA_F
 ClientSampleId :
 BRIDGE14-5(0-2)DL2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.4	28.9	43.3
54	64.7	54.5	81.7

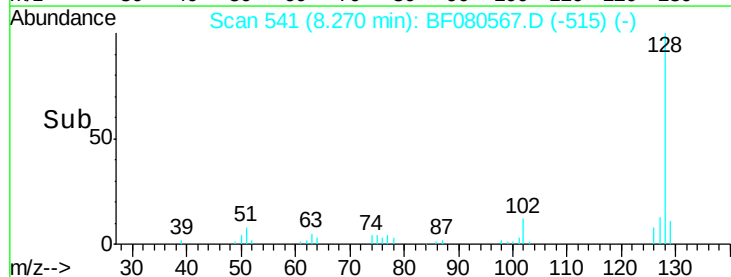
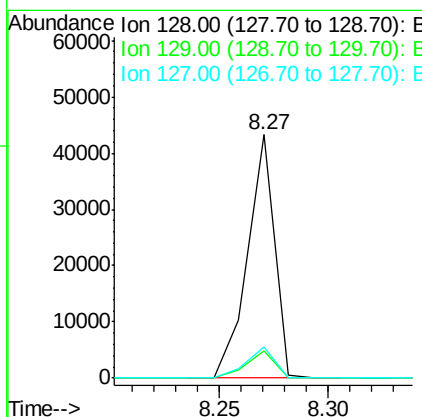
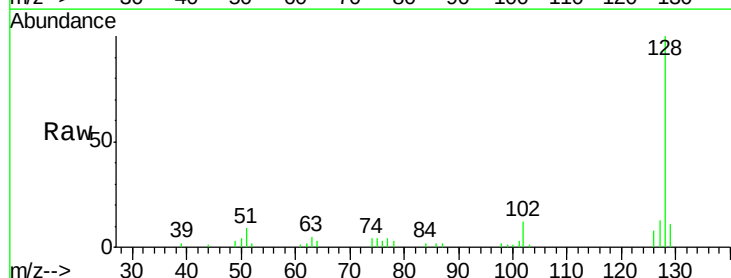
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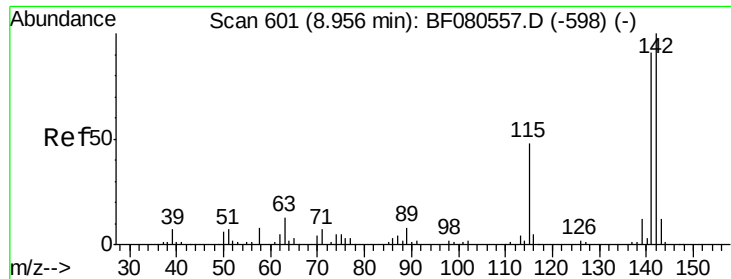
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#31
 Naphthalene
 Concen: 4.64 ng
 RT: 8.27 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: BF080567.D
 Acq: 22 Jul 2015 21:42

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	13.0
127	13.0	10.7	16.1





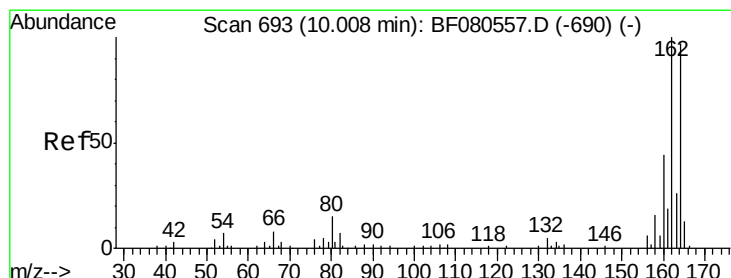
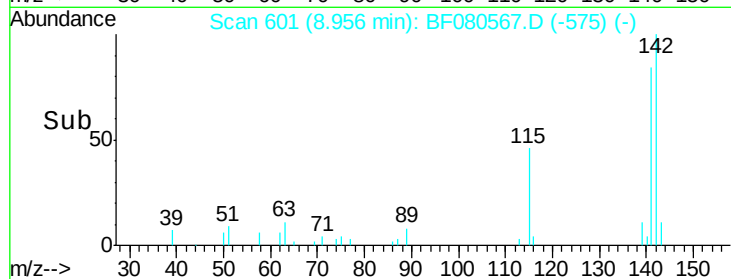
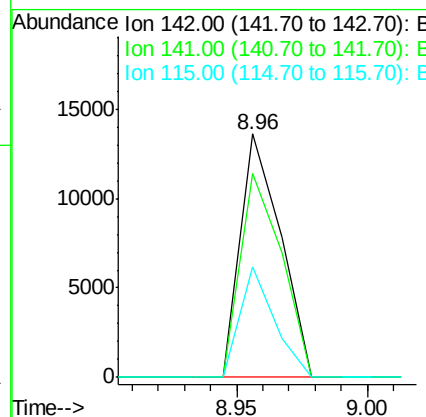
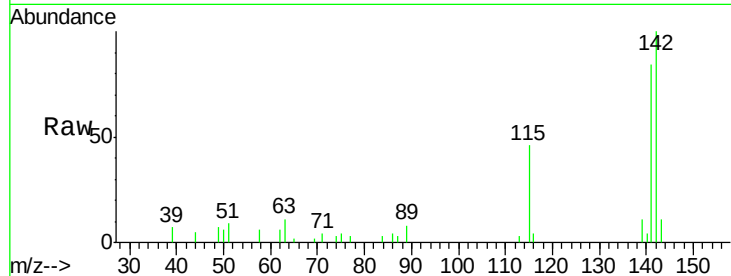
#37
 2-Methylnaphthalene
 Concen: 3.28 ng
 RT: 8.96 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: BF080567.D
 Acq: 22 Jul 2015 21:42

Instrument :
 BNA_F
 ClientSampleId :
 BRIDGE14-5(0-2)DL2

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.7	72.6	109.0
115	45.5	38.2	57.2

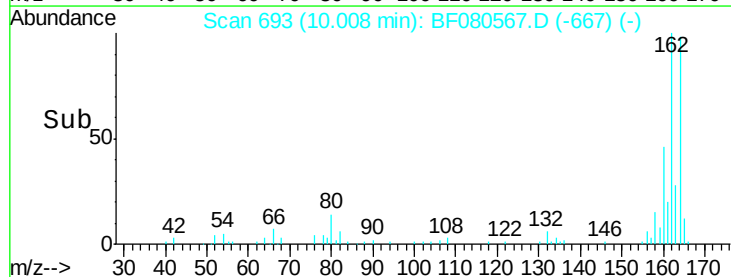
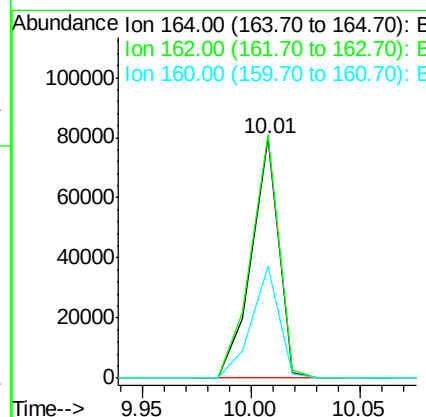
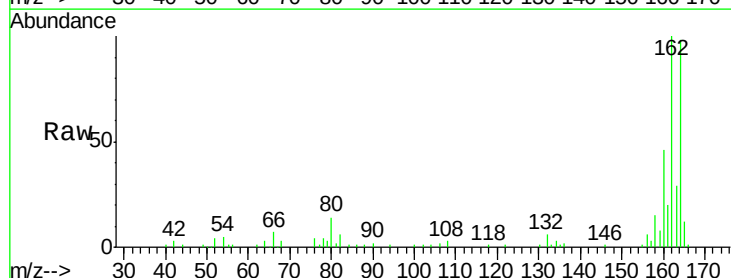
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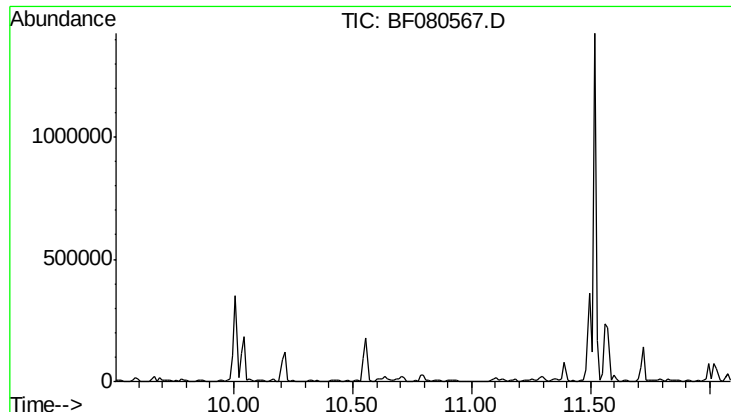
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: BF080567.D
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Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.2	123.4
160	46.5	36.1	54.1





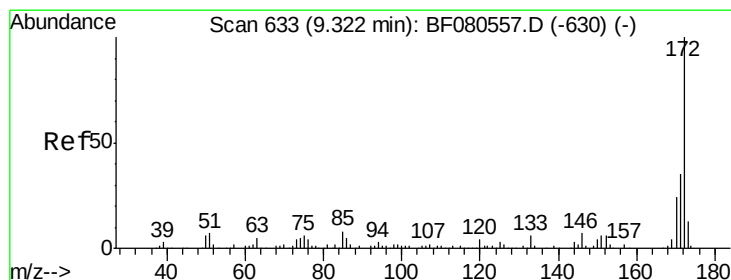
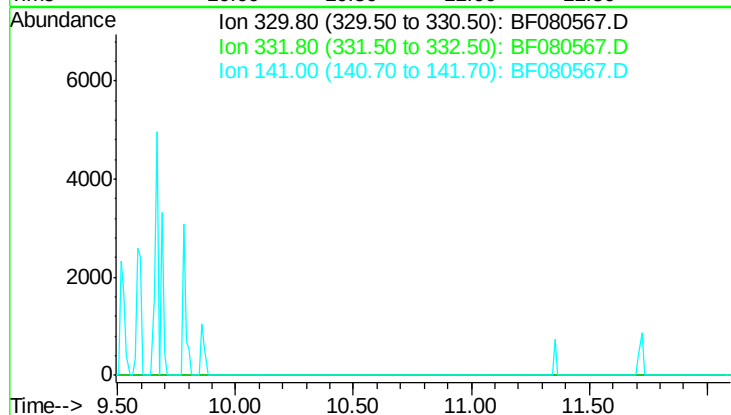
#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.80 min
 Lab File: BF080567.D
 Acq: 22 Jul 2015 21:42

Instrument :
 BNA_F
 ClientSampleId :
 BRIDGE14-5(0-2)DL2

Tgt Ion	Exp Ratio
330	100
332	97.9
141	47.4

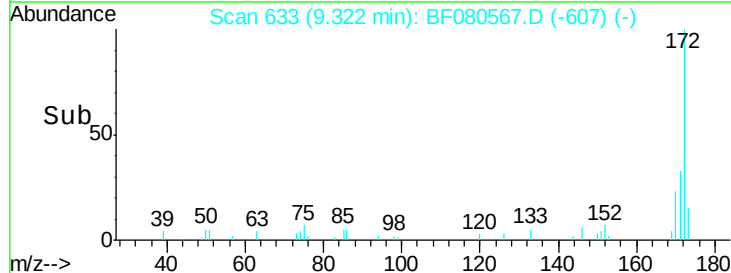
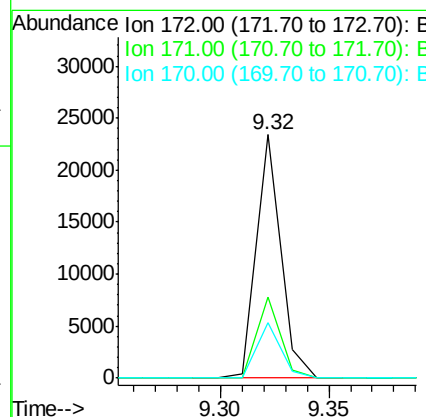
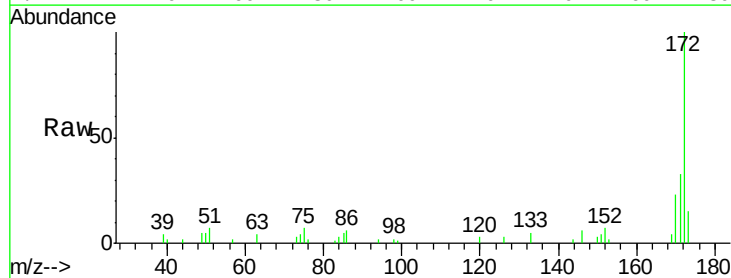
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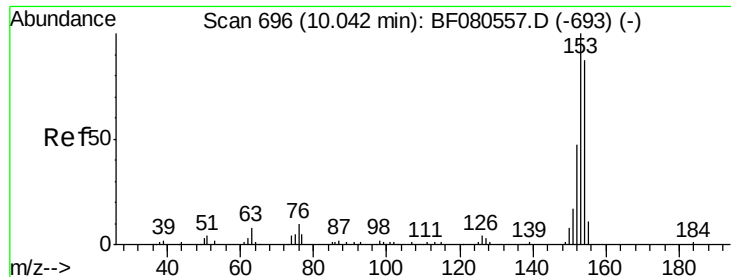
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#44
 2-Fluorobiphenyl
 Concen: 3.79 ng
 RT: 9.32 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: BF080567.D
 Acq: 22 Jul 2015 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	18224		
171	33.1		27.7	41.5
170	23.0		19.1	28.7





#51

Acenaphthene

Concen: 11.95 ng

RT: 10.04 min Scan# 696

Delta R.T. 0.00 min

Lab File: BF080567.D

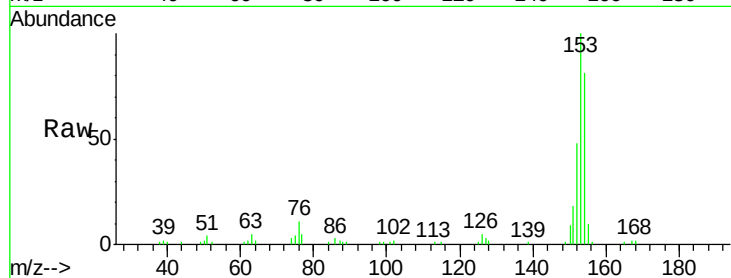
Acq: 22 Jul 2015 21:42

Instrument :

BNA_F

ClientSampleId :

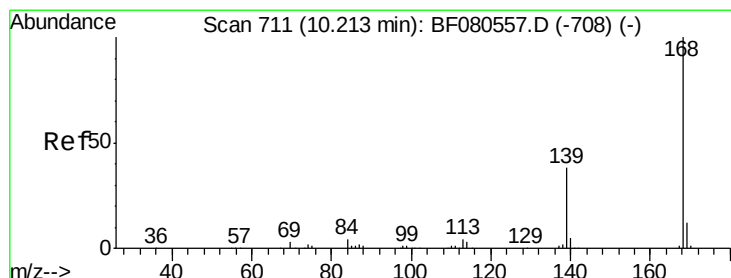
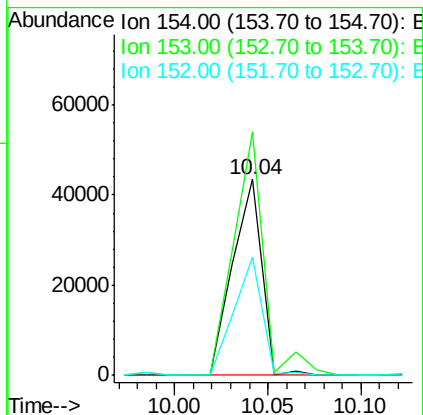
BRIDGE14-5(0-2)DL2



Tgt Ion:	154	Resp:	47220
Ion Ratio	Lower	Upper	
154	100		
153	124.1	92.2	138.2
152	60.0	43.6	65.4

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#54

Dibenzofuran

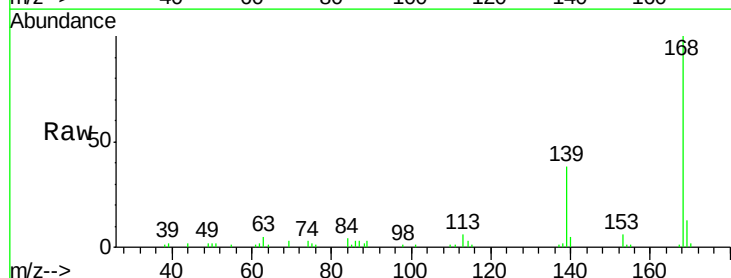
Concen: 9.74 ng

RT: 10.21 min Scan# 711

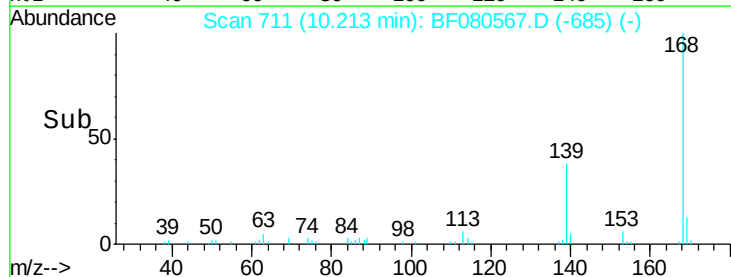
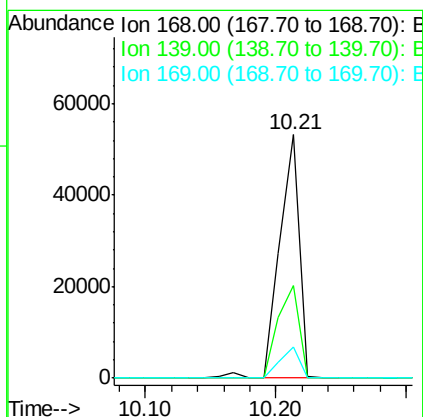
Delta R.T. 0.00 min

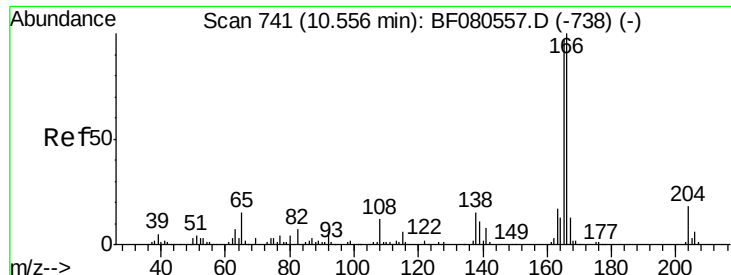
Lab File: BF080567.D

Acq: 22 Jul 2015 21:42



Tgt Ion:	168	Resp:	56552
Ion Ratio	Lower	Upper	
168	100		
139	37.8	30.7	46.1
169	12.8	9.8	14.8





#57

Fluorene

Concen: 12.16 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF080567.D

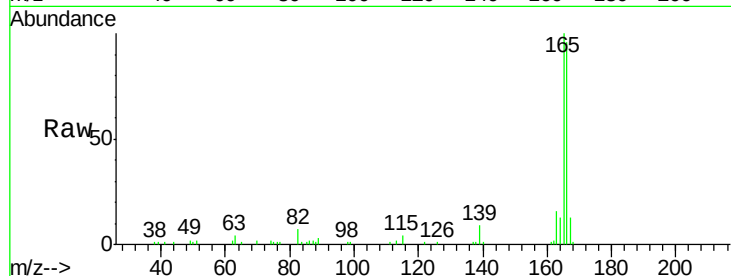
Acq: 22 Jul 2015 21:42

Instrument :

BNA_F

ClientSampleId :

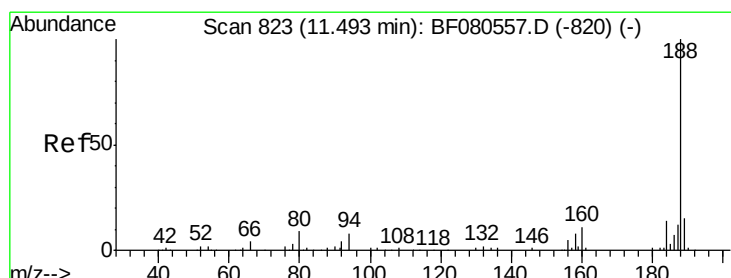
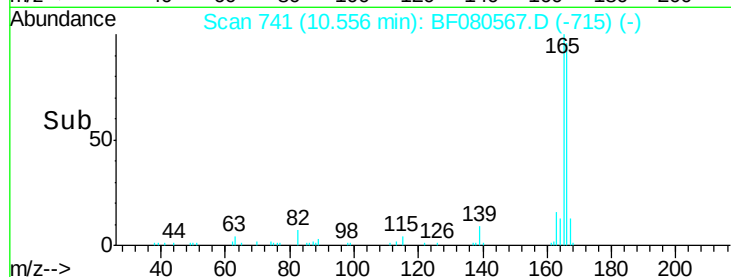
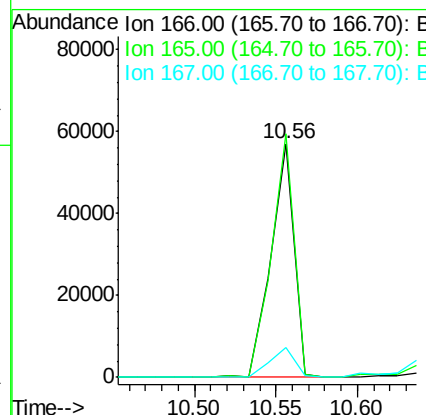
BRIDGE14-5(0-2)DL2



Tgt Ion:	166	Resp:	56408
Ion Ratio	Lower	Upper	
166	100		
165	104.3	77.7	116.5
167	13.0	10.5	15.7

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#63

Phenanthrene-d10

Concen: 20.00 ng

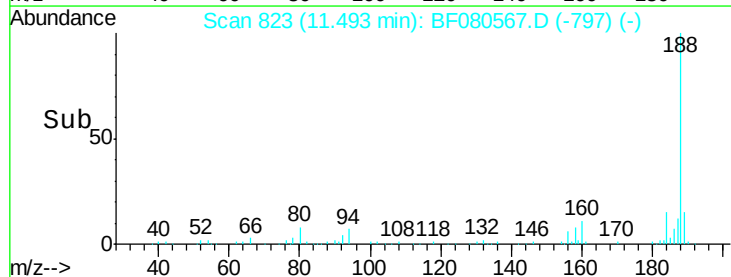
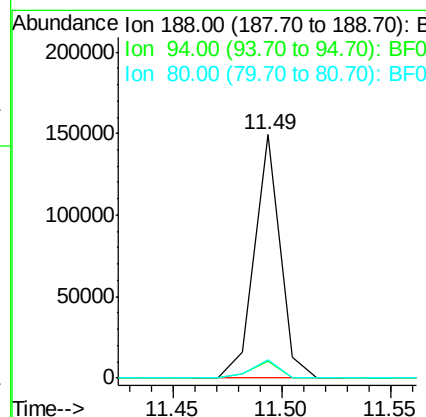
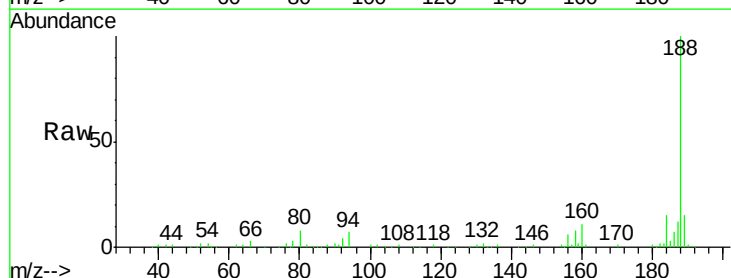
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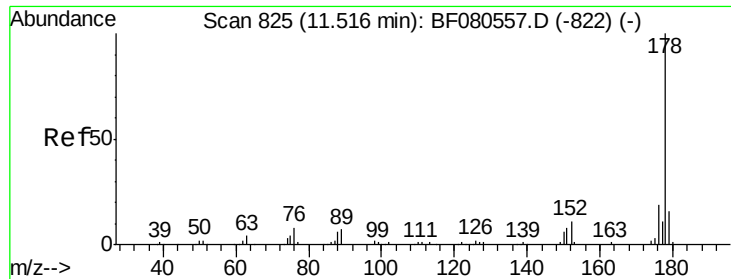
Delta R.T. -0.00 min

Lab File: BF080567.D

Acq: 22 Jul 2015 21:42

Tgt Ion:	188	Resp:	122425
Ion Ratio	Lower	Upper	
188	100		
94	7.2	6.1	9.1
80	7.7	7.0	10.6





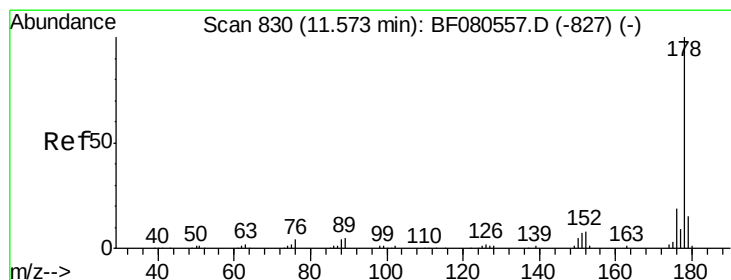
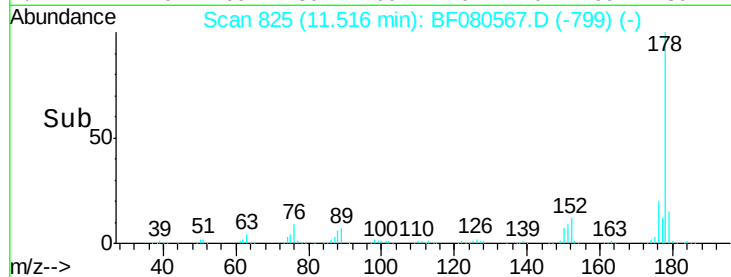
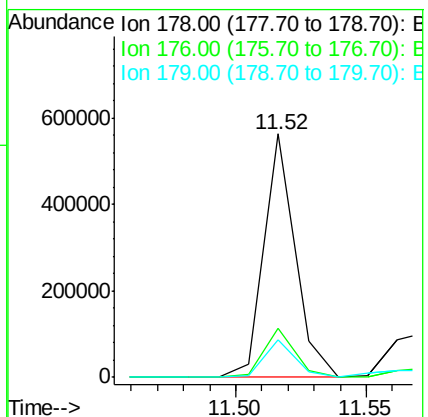
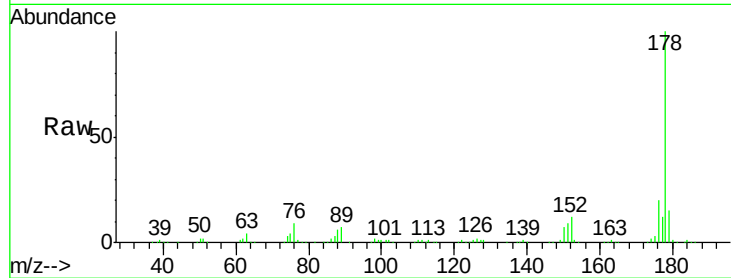
#70
Phenanthrene
Concen: 66.84 ng
RT: 11.52 min Scan# 825
Delta R.T. 0.00 min
Lab File: BF080567.D
Acq: 22 Jul 2015 21:42

Instrument :
BNA_F
ClientSampleId :
BRIDGE14-5(0-2)DL2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.2	22.8
179	15.5	12.5	18.7

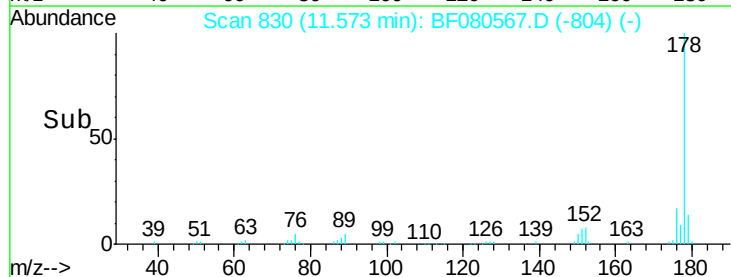
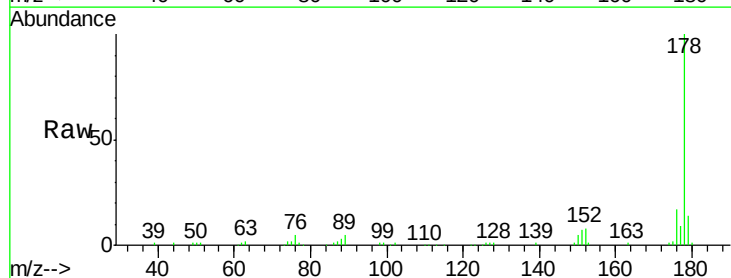
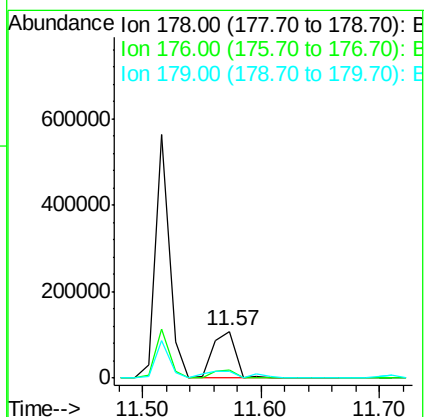
Manual Integrations
APPROVED

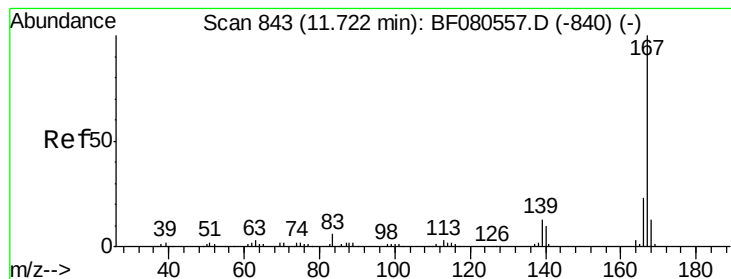
apatel
7/23/2015 11:51:01 AM



#71
Anthracene
Concen: 21.95 ng
RT: 11.57 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF080567.D
Acq: 22 Jul 2015 21:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.1	22.7
179	14.1	12.0	18.0





#72

Carbazole

Concen: 9.57 ng

RT: 11.72 min Scan# 843

Delta R.T. 0.00 min

Lab File: BF080567.D

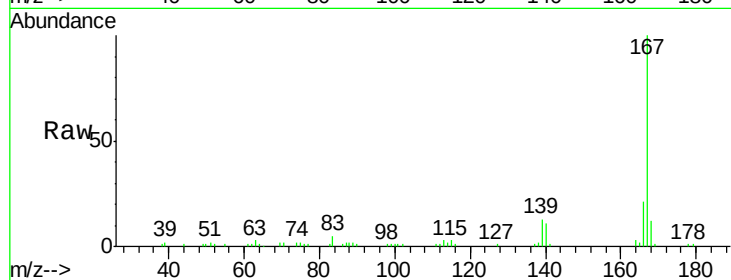
Acq: 22 Jul 2015 21:42

Instrument :

BNA_F

ClientSampleId :

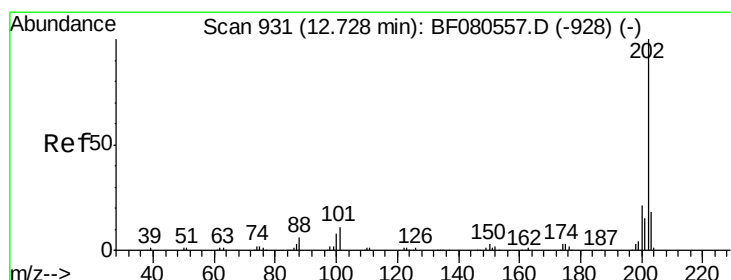
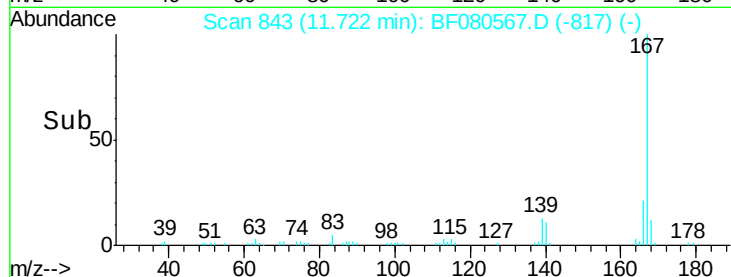
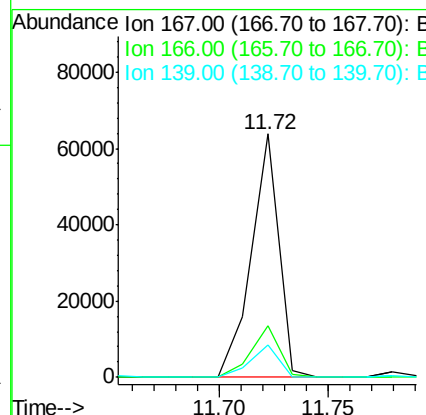
BRIDGE14-5(0-2)DL2



Tgt Ion:	167	Resp:	55760
Ion Ratio	Lower	Upper	
167	100		
166	21.4	18.1	27.1
139	13.2	10.7	16.1

Manual Integrations
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#74

Fluoranthene

Concen: 58.34 ng

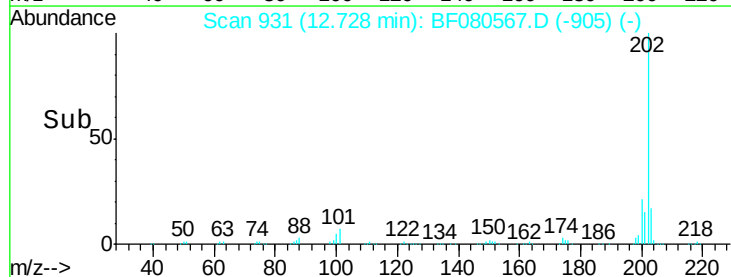
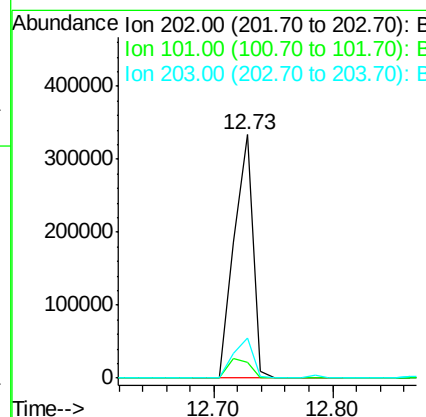
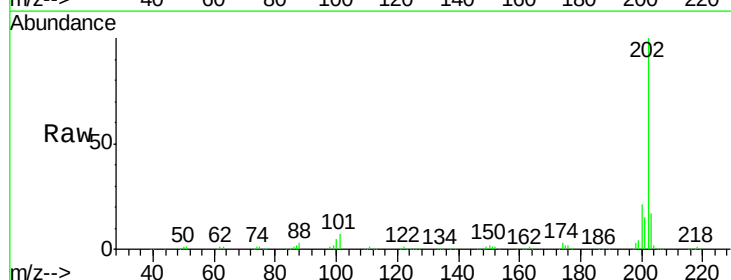
RT: 12.73 min Scan# 931

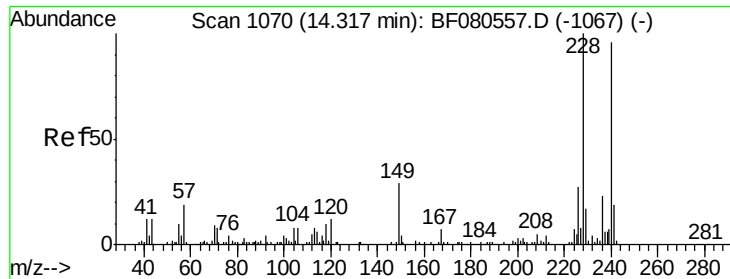
Delta R.T. 0.00 min

Lab File: BF080567.D

Acq: 22 Jul 2015 21:42

Tgt Ion:	202	Resp:	366795
Ion Ratio	Lower	Upper	
202	100		
101	6.6	0.0	31.1
203	16.5	0.0	37.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.28 min Scan# 1067

Delta R.T. -0.03 min

Lab File: BF080567.D

Acq: 22 Jul 2015 21:42

Instrument :

BNA_F

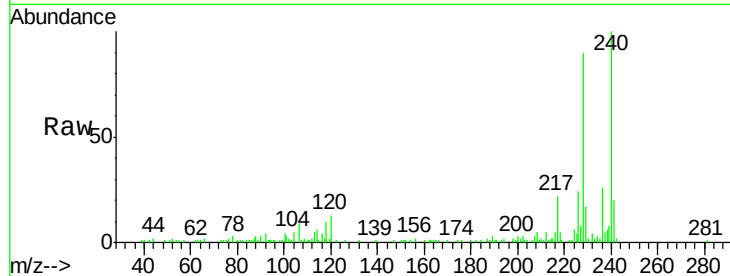
ClientSampleId :

BRIDGE14-5(0-2)DL2

Tgt Ion:	240	Resp:	70531
Ion Ratio	Lower	Upper	
240	100		
120	13.3	9.9	14.9
236	25.9	19.1	28.7

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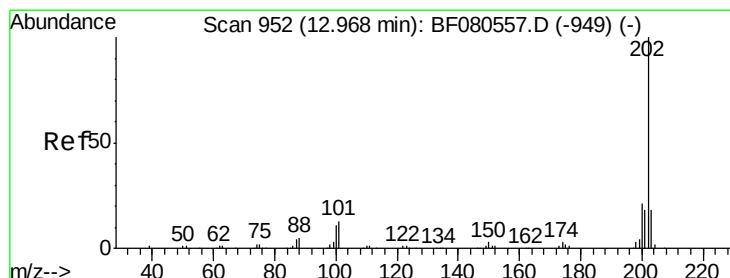
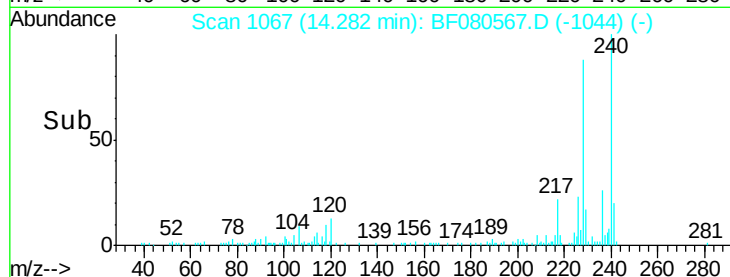
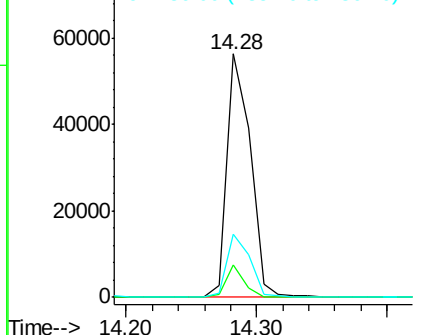
apatel
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 53.45 ng

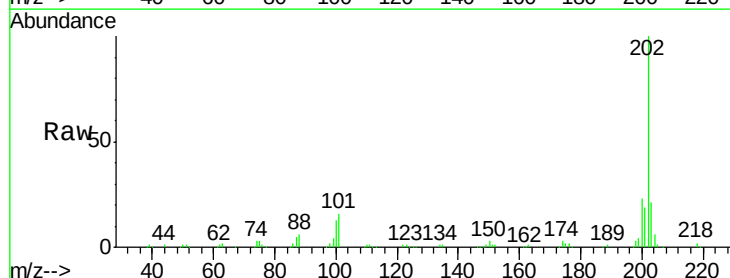
RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF080567.D

Acq: 22 Jul 2015 21:42

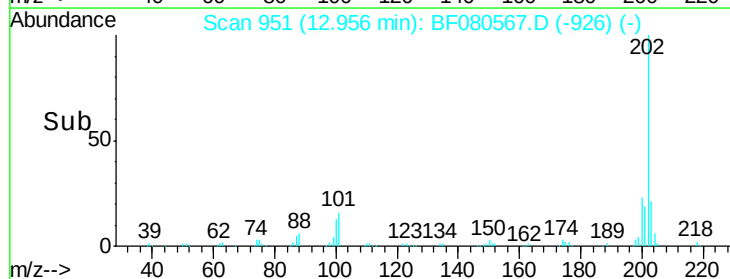
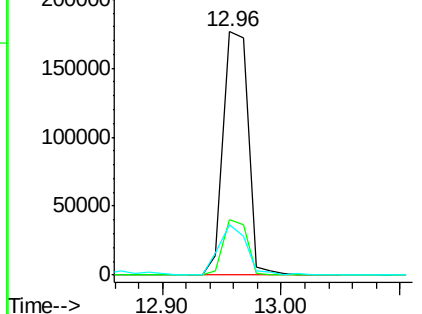
Tgt Ion:	202	Resp:	256640
Ion Ratio	Lower	Upper	
202	100		
200	22.7	16.9	25.3
203	20.7	14.5	21.7

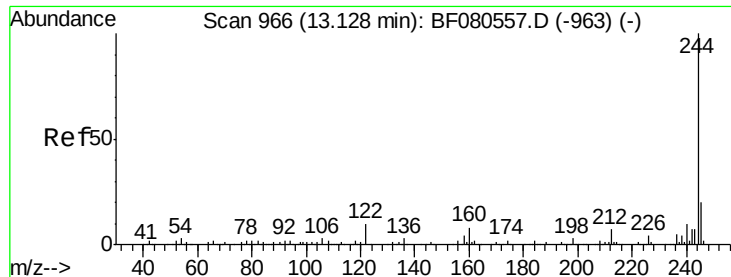


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





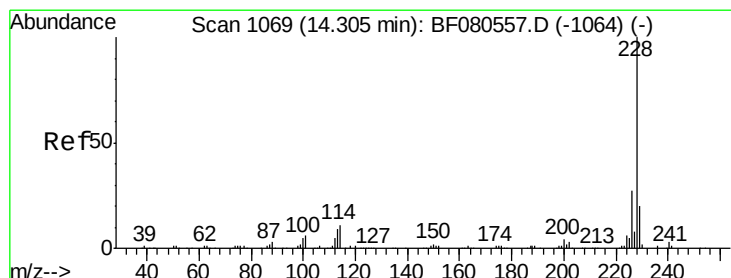
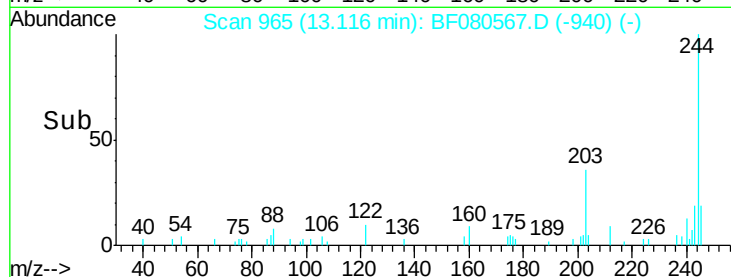
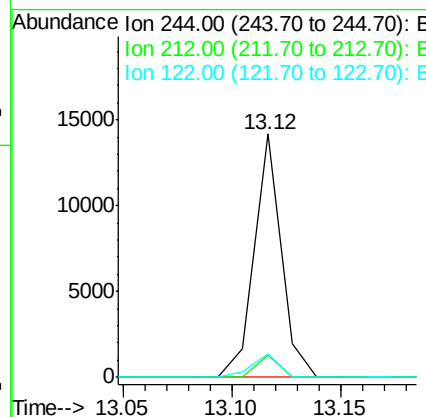
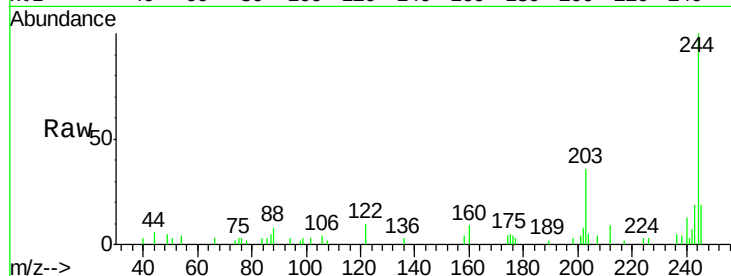
#78
 Terphenyl-d14
 Concen: 3.55 ng
 RT: 13.12 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: BF080567.D
 Acq: 22 Jul 2015 21:42

Instrument :
 BNA_F
 ClientSampleId :
 BRIDGE14-5(0-2)DL2

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.0	6.0	9.0#
122	9.8	8.2	12.2

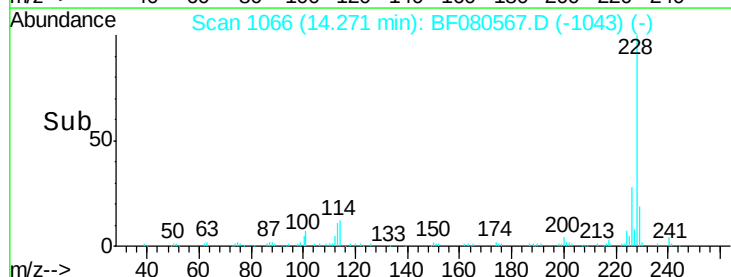
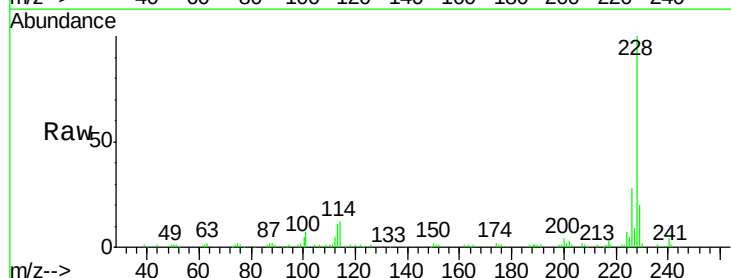
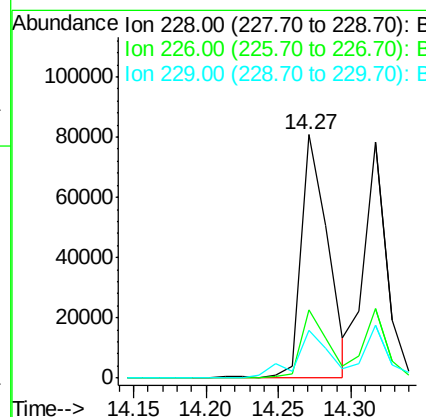
Manual Integrations
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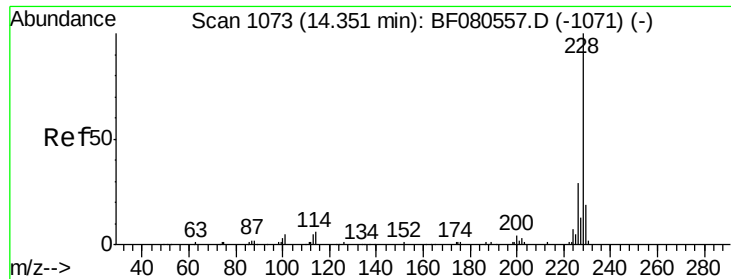
apatel
 7/23/2015 11:51:01 AM



#80
 Benzo(a)anthracene
 Concen: 25.82 ng
 RT: 14.27 min Scan# 1066
 Delta R.T. -0.03 min
 Lab File: BF080567.D
 Acq: 22 Jul 2015 21:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.0	22.0	33.0
229	19.6	15.7	23.5





#82

Chrysene

Concen: 21.39 ng

RT: 14.32 min Scan# 1070

Delta R.T. -0.03 min

Lab File: BF080567.D

Acq: 22 Jul 2015 21:42

Instrument :

BNA_F

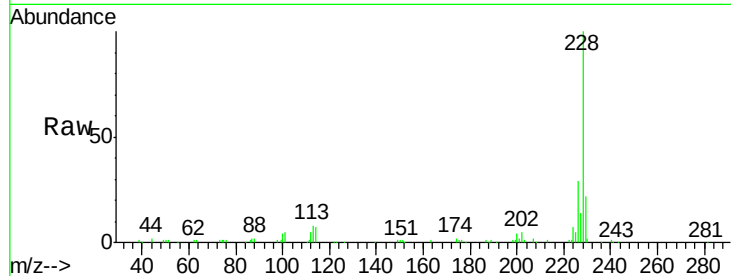
ClientSampleId :

BRIDGE14-5(0-2)DL2

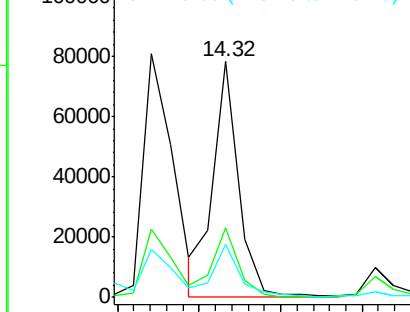
Tgt Ion:	228	Resp:	85691
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.0	34.6
229	22.3	15.0	22.4

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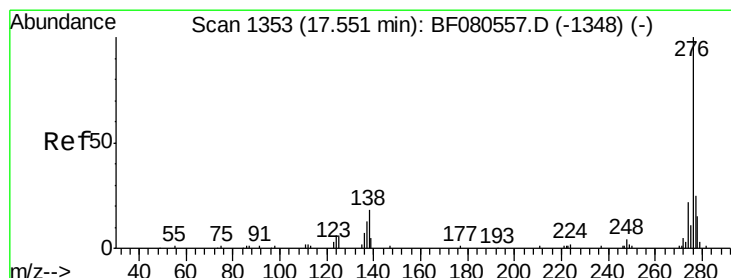
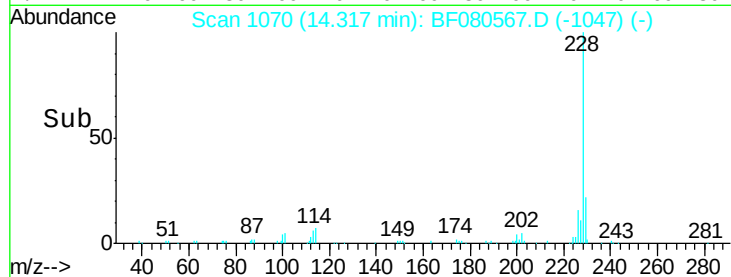
apatel
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 14.25 14.30 14.35 14.40



#85

Indeno(1,2,3-cd)pyrene

Concen: 23.45 ng

RT: 17.47 min Scan# 1346

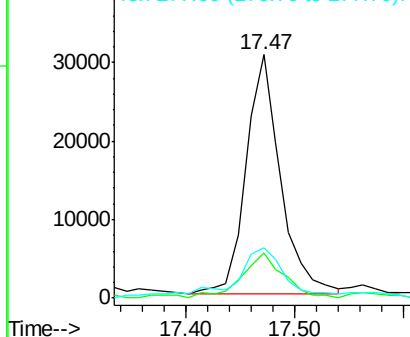
Delta R.T. -0.08 min

Lab File: BF080567.D

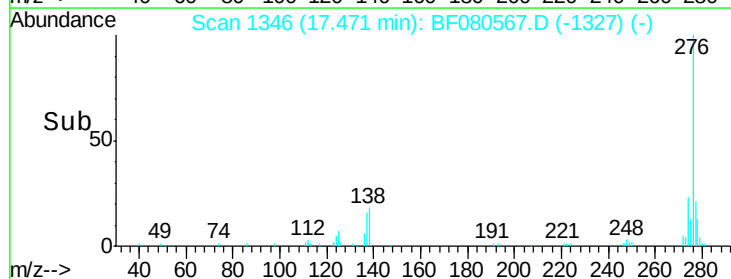
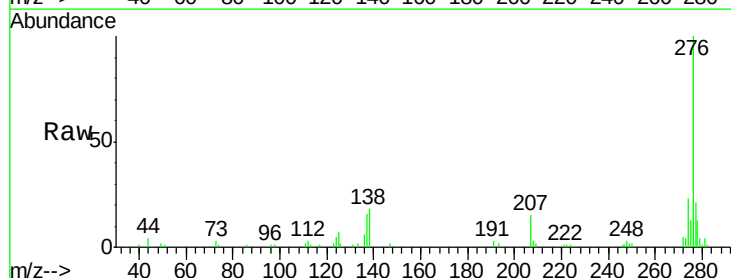
Acq: 22 Jul 2015 21:42

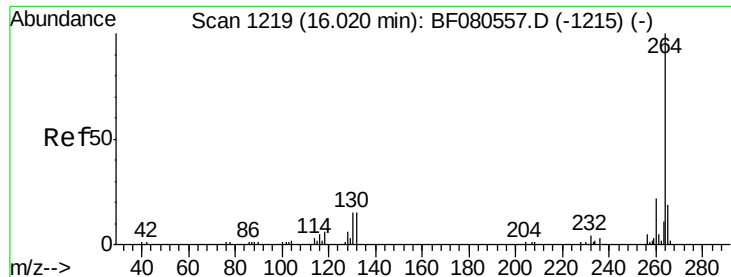
Tgt Ion:	276	Resp:	66722
Ion Ratio	Lower	Upper	
276	100		
138	22.8	18.9	28.3
277	26.8	19.9	29.9

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time--> 17.40 17.50





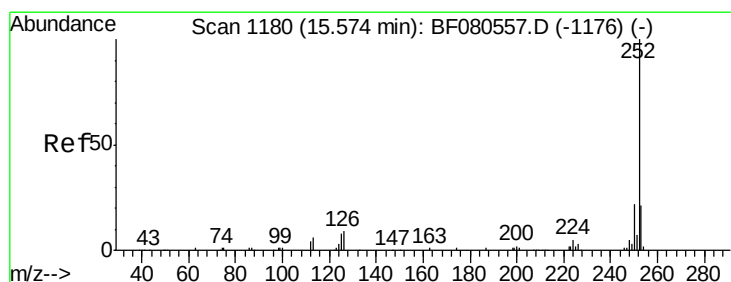
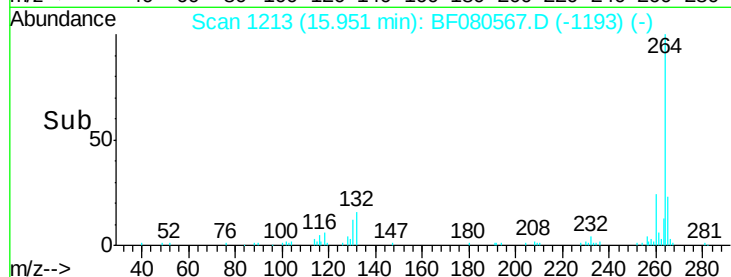
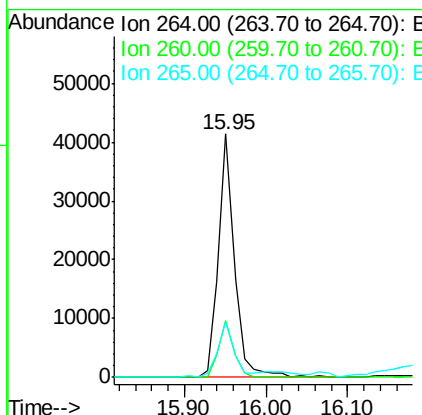
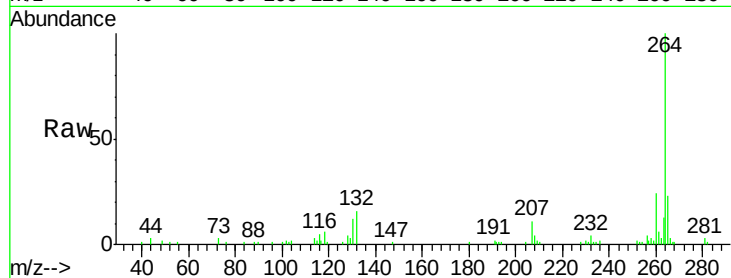
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.95 min Scan# 1213
Delta R.T. -0.07 min
Lab File: BF080567.D
Acq: 22 Jul 2015 21:42

Instrument :
BNA_F
ClientSampleId :
BRIDGE14-5(0-2)DL2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.8	26.8
265	22.6	15.6	23.4

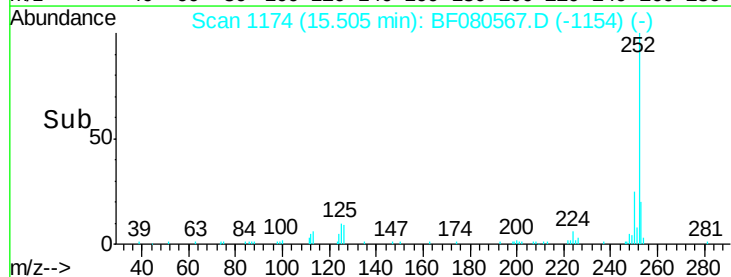
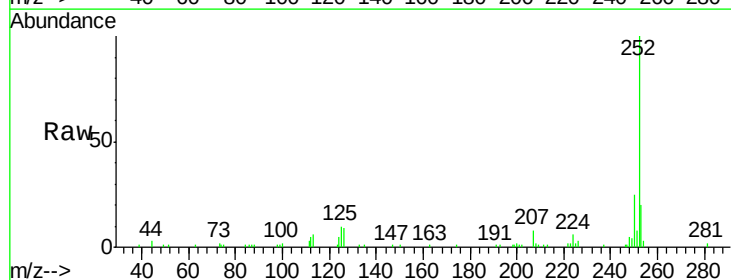
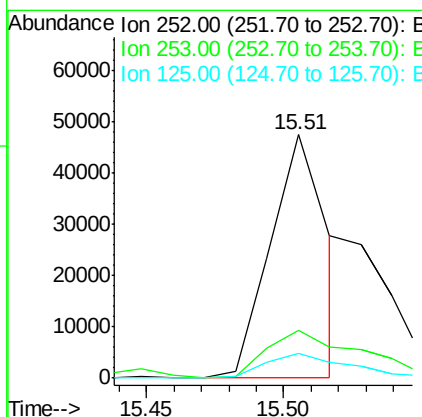
Manual Integrations
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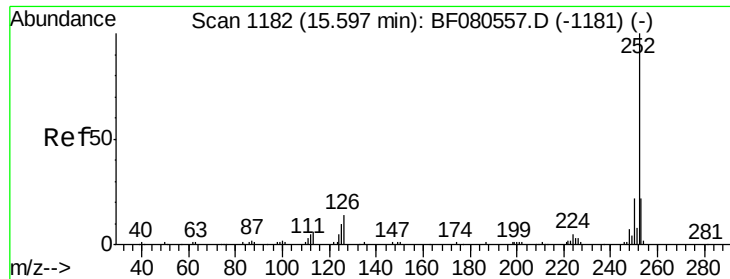
apatel
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#87
Benzo(b)fluoranthene
Concen: 19.24 ng m
RT: 15.51 min Scan# 1174
Delta R.T. -0.07 min
Lab File: BF080567.D
Acq: 22 Jul 2015 21:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.6	16.6	25.0
125	9.9	6.1	9.1#





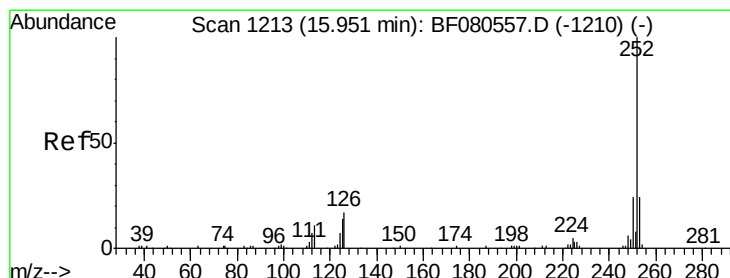
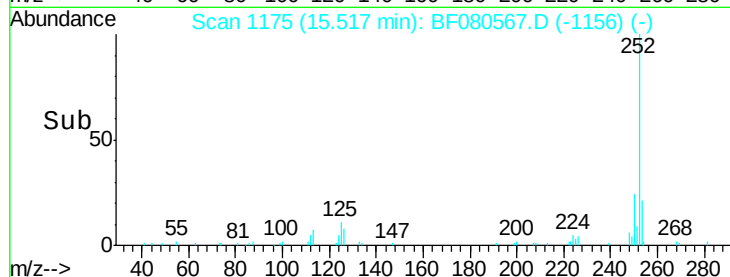
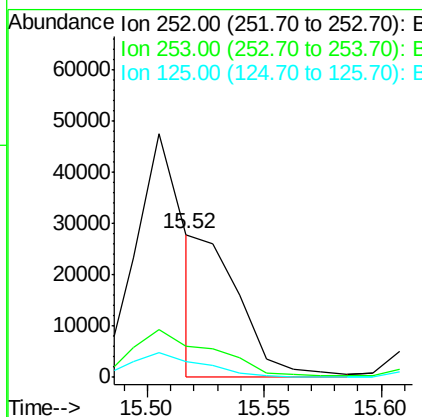
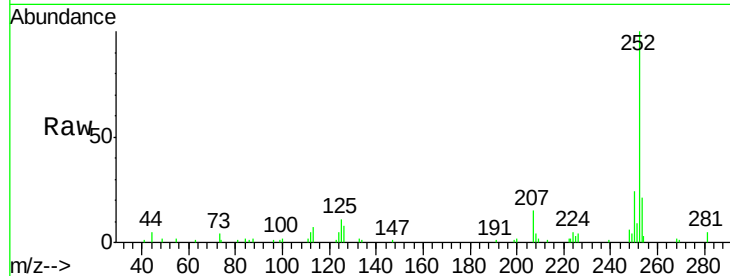
#88
Benzo(k)fluoranthene
Concen: 9.54 ng m
RT: 15.52 min Scan# 1175
Delta R.T. -0.08 min
Lab File: BF080567.D
Acq: 22 Jul 2015 21:42

Instrument :
BNA_F
ClientSampleId :
BRIDGE14-5(0-2)DL2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.0	25.6
125	11.1	8.6	13.0

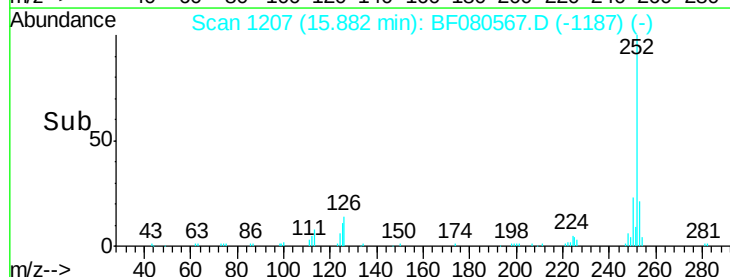
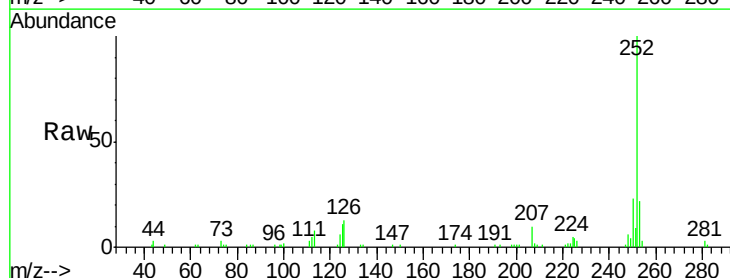
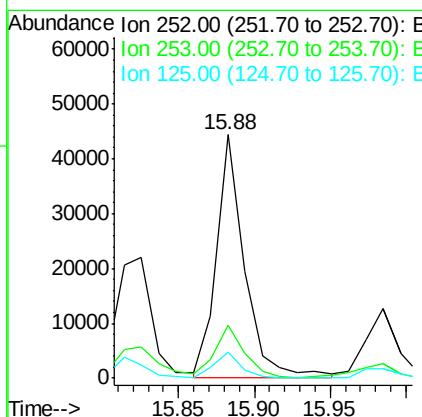
Manual Integrations
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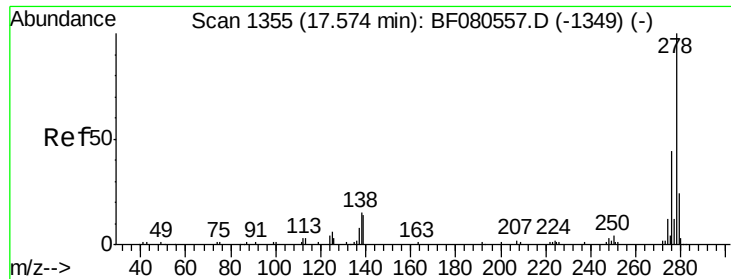
apatel
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#89
Benzo(a)pyrene
Concen: 18.75 ng m
RT: 15.88 min Scan# 1207
Delta R.T. -0.07 min
Lab File: BF080567.D
Acq: 22 Jul 2015 21:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	19.0	28.6
125	10.7	11.2	16.8





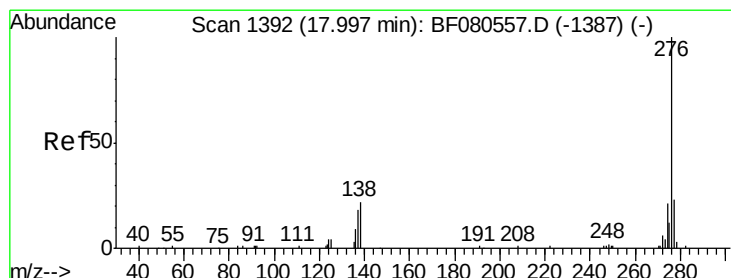
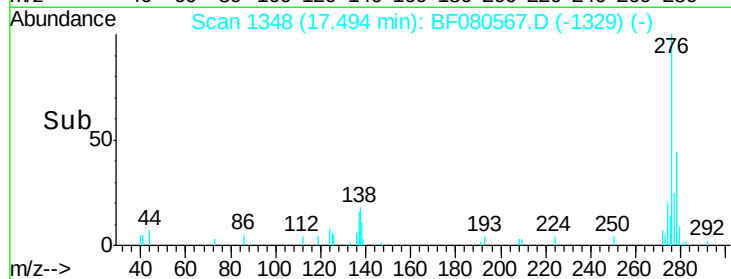
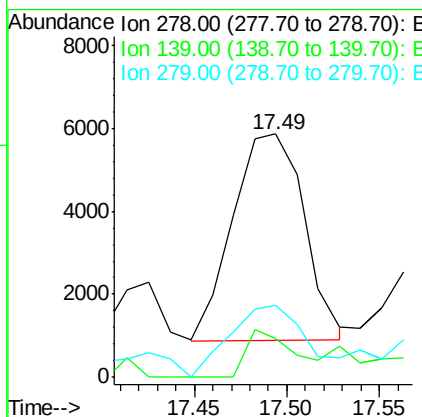
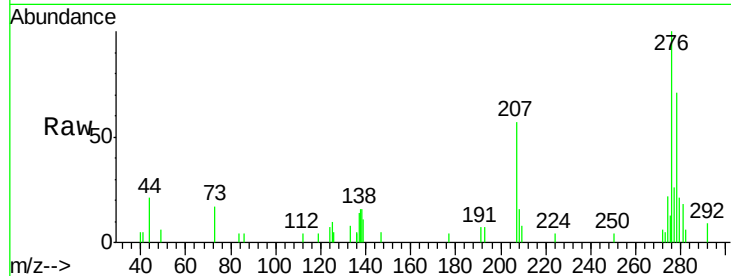
#90
 Dibenzo(a,h)anthracene
 Concen: 5.07 ng m
 RT: 17.49 min Scan# 1348
 Delta R.T. -0.08 min
 Lab File: BF080567.D
 Acq: 22 Jul 2015 21:42

Instrument :
 BNA_F
 ClientSampleId :
 BRIDGE14-5(0-2)DL2

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.1	11.6	17.4
279	29.7	18.9	28.3#

Manual Integrations
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#91
 Benzo(g,h,i)perylene
 Concen: 29.01 ng
 RT: 17.93 min Scan# 1386
 Delta R.T. -0.07 min
 Lab File: BF080567.D
 Acq: 22 Jul 2015 21:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.0	27.0
138	17.5	17.8	26.6#

