

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
 Data File : BF078957.D
 Acq On : 6 May 2015 13:43
 Operator : TP/IZ
 Sample : G2044-19
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-56S

Manual Integrations
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Quant Time: May 07 01:36:37 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	69101	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	282731	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	132300	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	254762	20.00	ng	0.00
75) Chrysene-d12	16.24	240	274028m	20.00	ng	-0.07
86) Perylene-d12	17.99	264	304460	20.00	ng	-0.24
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	470065	117.10	ng	0.01
7) Phenol-d6	6.90	99	645308	121.61	ng	0.01
23) Nitrobenzene-d5	8.03	82	348611	70.86	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	162105	113.26	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	630754	66.42	ng	0.00
78) Terphenyl-d14	14.95	244	651776m	56.94	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.93	152	27742	2.06	ng	99
49) Dimethylphthalate	10.78	163	30594	3.15	ng	# 99
51) Acenaphthene	11.14	154	21167	2.64	ng	95
57) Fluorene	11.78	166	29158	3.06	ng	98
70) Phenanthrene	12.97	178	583453	40.94	ng	99
71) Anthracene	13.04	178	161828	11.57	ng	98
74) Fluoranthene	14.46	202	1046240	70.45	ng	99
77) Pyrene	14.74	202	908154m	57.51	ng	
80) Benzo(a)anthracene	16.23	228	586829	39.11	ng	98
82) Chrysene	16.27	228	443458	30.73	ng	97
83) Bis(2-ethylhexyl)phthalate	16.27	149	25740	2.46	ng	# 94
85) Indeno(1,2,3-cd)pyrene	19.47	276	318842m	17.34	ng	
87) Benzo(b)fluoranthene	17.53	252	691070m	41.47	ng	
88) Benzo(k)fluoranthene	17.57	252	188072m	11.66	ng	
89) Benzo(a)pyrene	17.92	252	453023	29.52	ng	97
90) Dibenzo(a,h)anthracene	19.50	278	77975	4.78	ng	93
91) Benzo(a,h,i)perylene	19.92	276	291740	17.85	ng	96

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

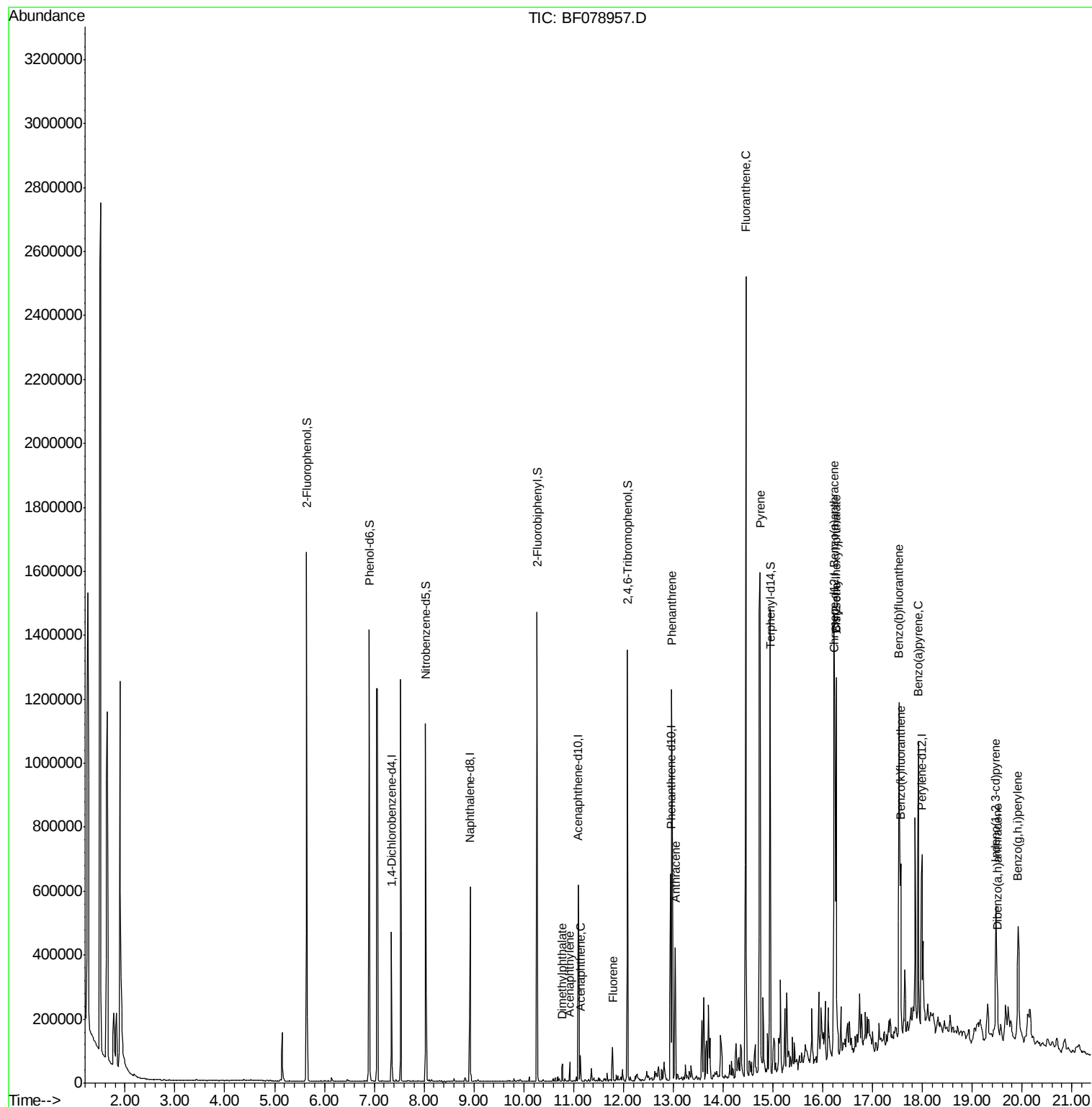
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
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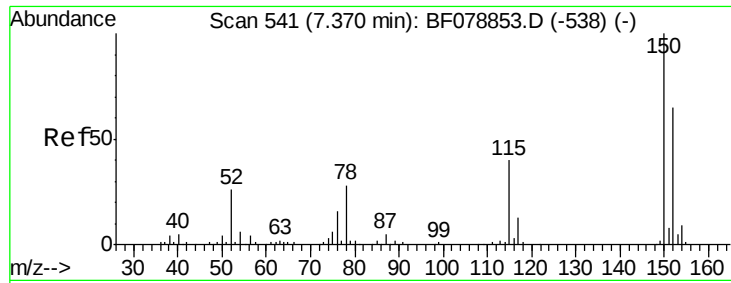
Instrument :
BNA_F
ClientSampled :
SB-56S

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#1

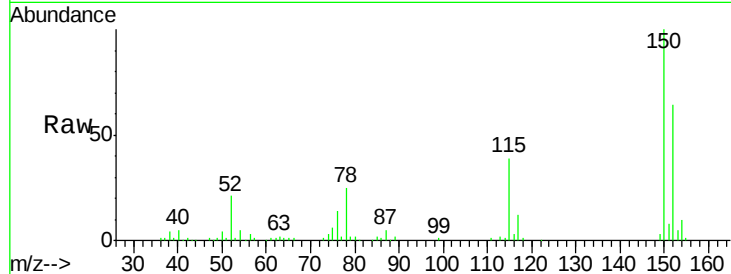
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. 0.00 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

Instrument :
BNA_F
ClientSampleId :
SB-56S

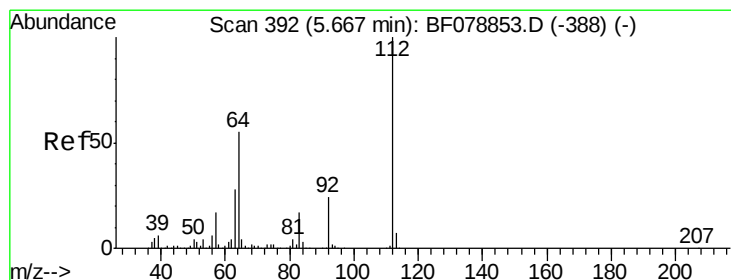
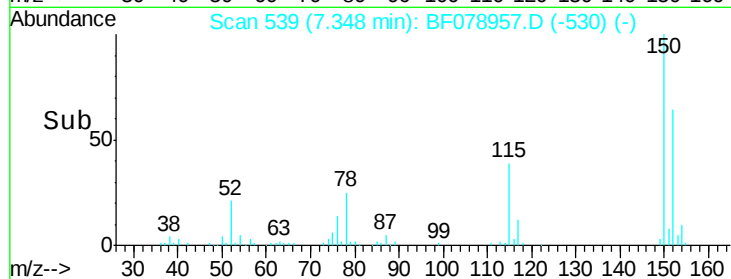
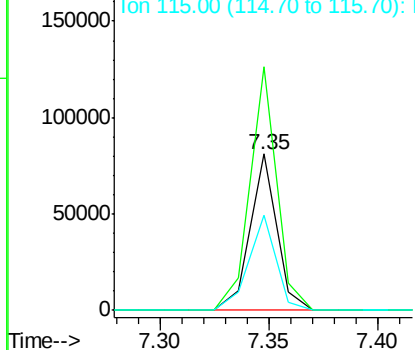
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	122.0	183.0
115	60.6	46.3	69.5

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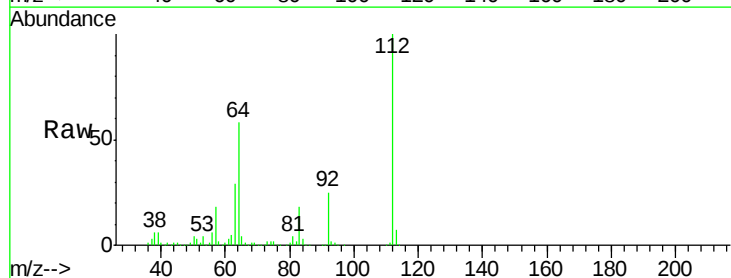
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



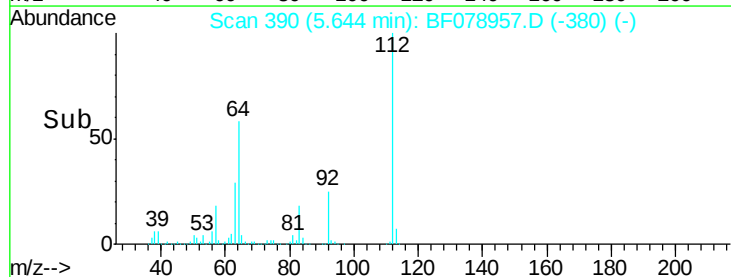
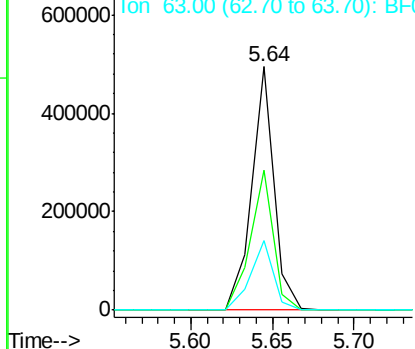
#5

2-Fluorophenol
Concen: 117.10 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	53.5	80.3
63	28.7	27.5	41.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.61 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

Instrument :

BNA_F

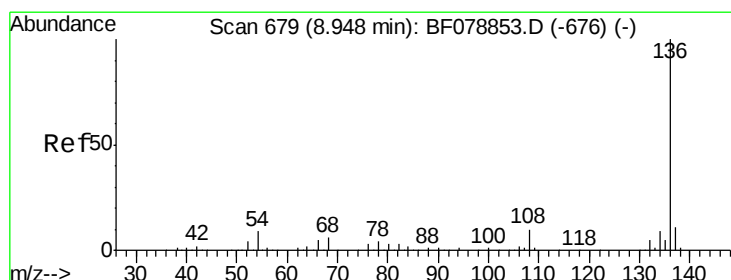
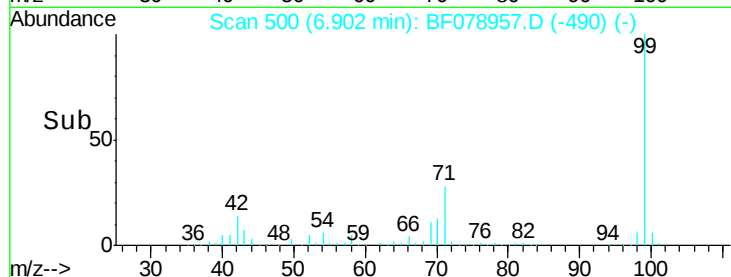
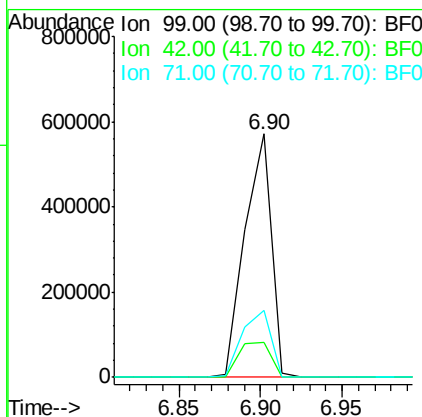
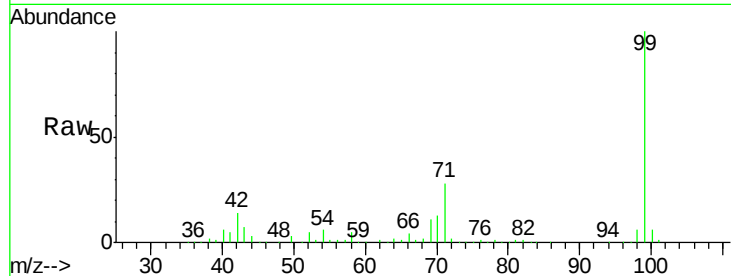
ClientSampleId :

SB-56S

Tot Ion:	99	Resp:	645308
Ion Ratio	Lower	Upper	
99	100		
42	14.4	12.8	19.2
71	27.8	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

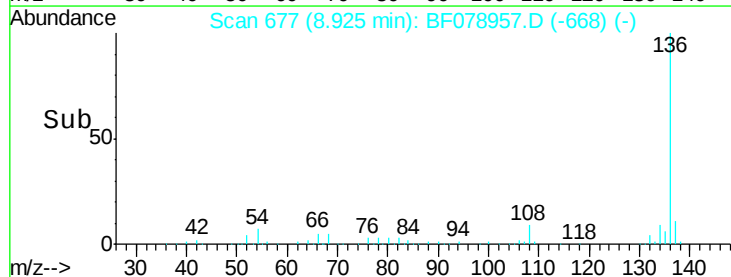
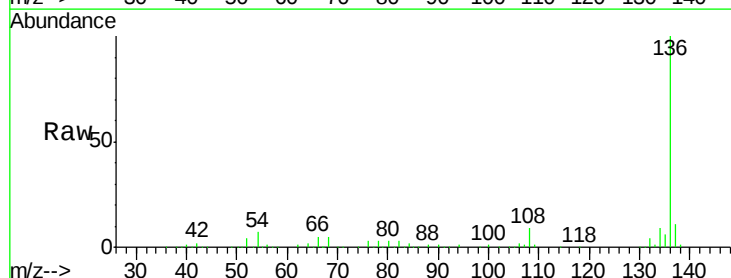
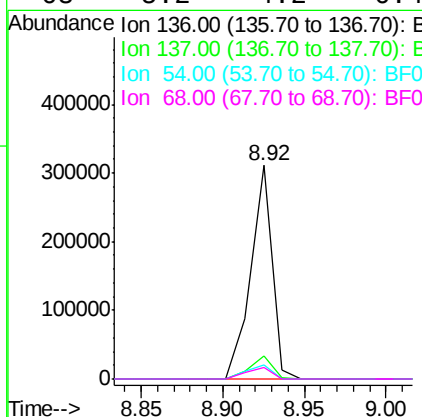
RT: 8.92 min Scan# 677

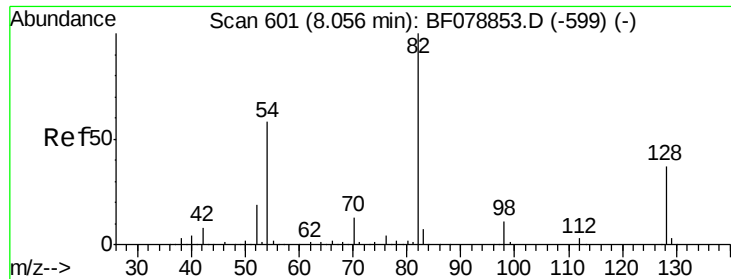
Delta R.T. 0.00 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

Tgt Ion:	136	Resp:	282731
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	6.6	5.8	8.8
68	5.2	4.2	6.4





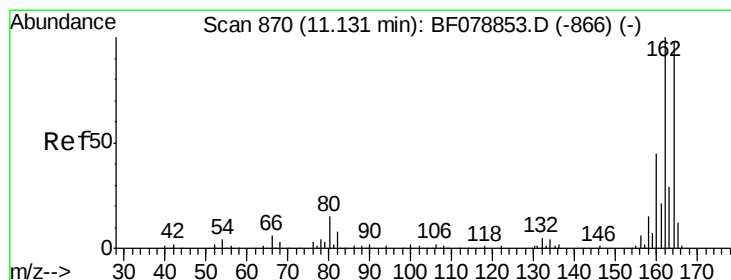
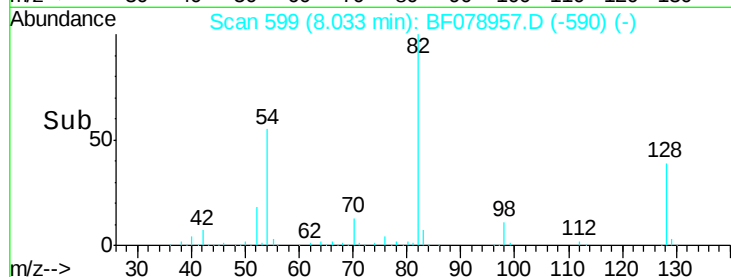
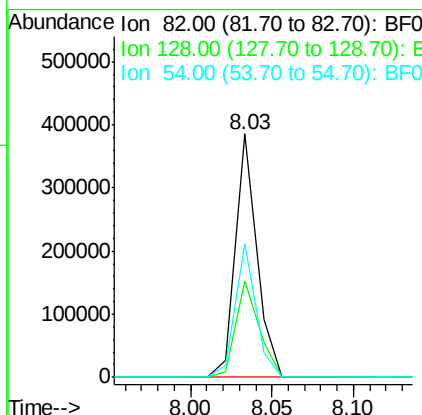
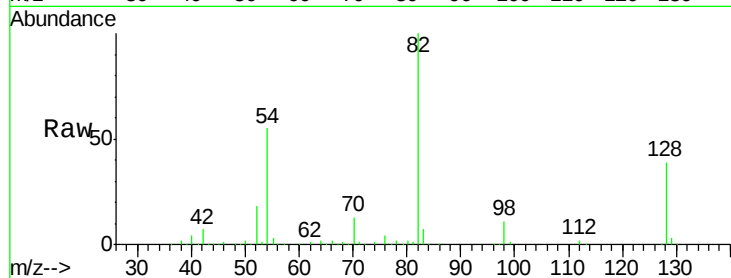
#23
 Nitrobenzene-d5
 Concen: 70.86 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

Instrument :
 BNA_F
 ClientSampled :
 SB-56S

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.3	30.0	45.0	
54	54.6	46.4	69.6	

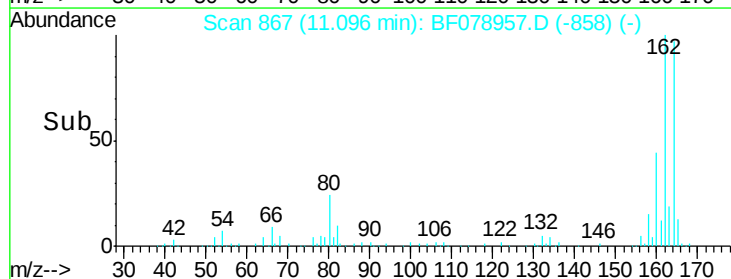
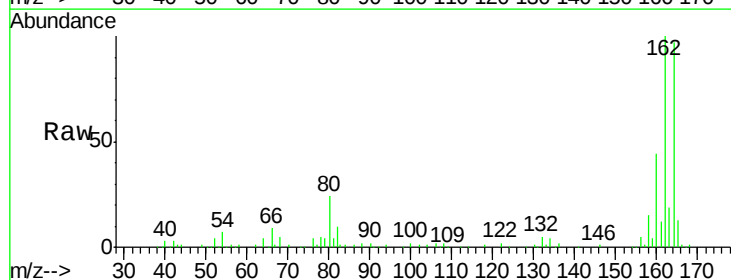
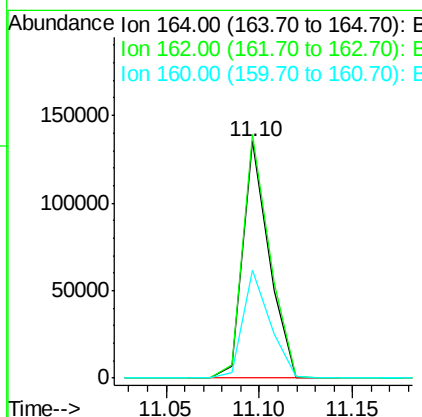
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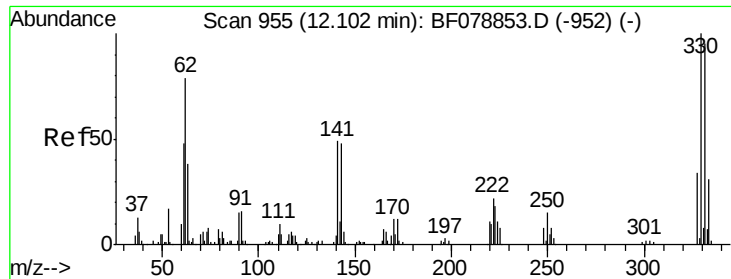
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	82.7	124.1	
160	45.6	35.8	53.8	





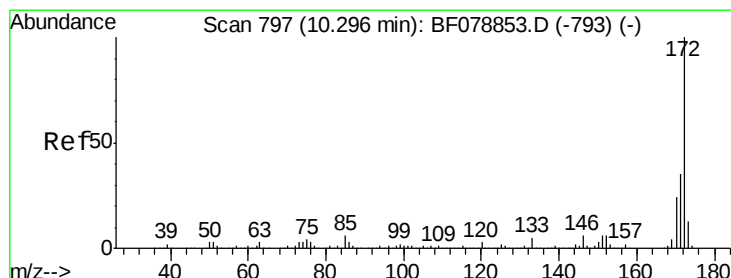
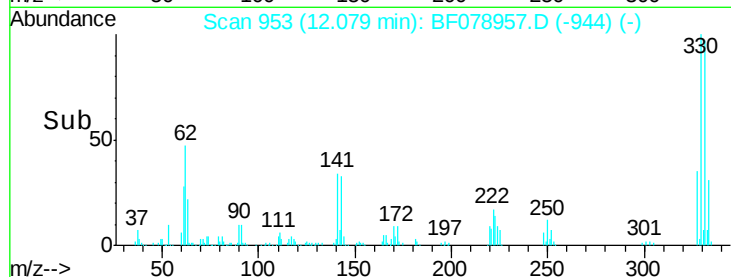
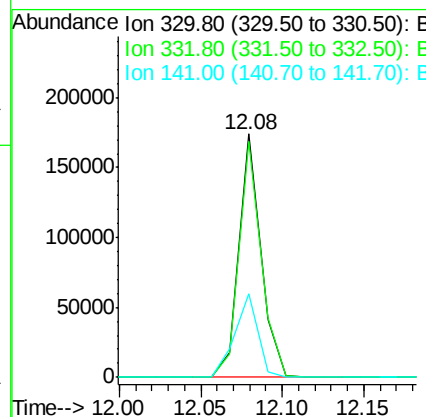
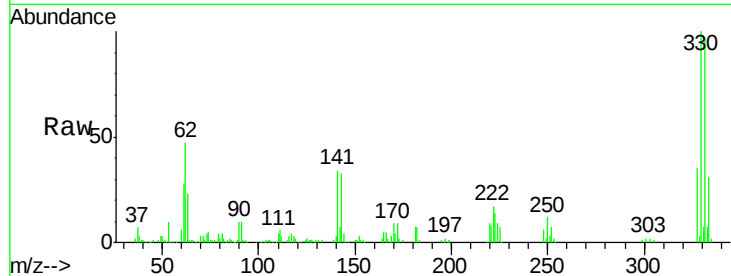
#41
 2,4,6-Tribromophenol
 Concen: 113.26 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	97.6	0.0	0.0#
141	35.9	0.0	0.0#

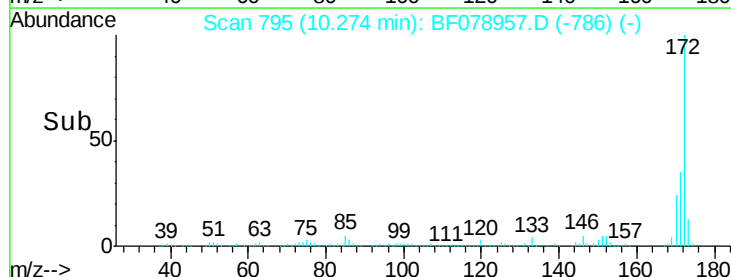
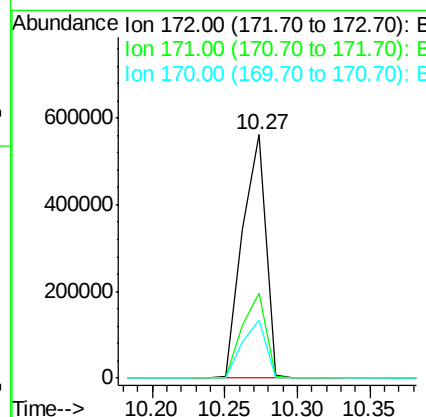
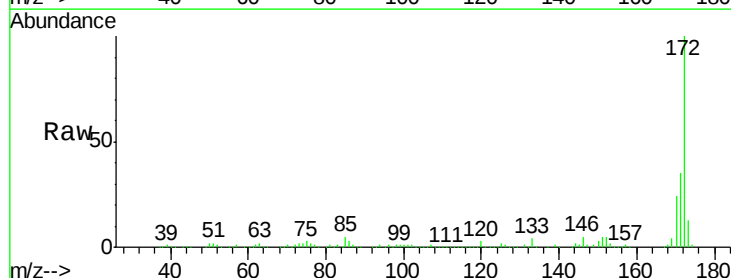
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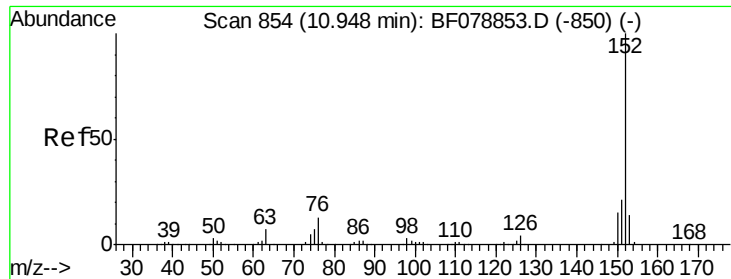
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#44
 2-Fluorobiphenyl
 Concen: 66.42 ng
 RT: 10.27 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	34.7	27.9	41.9
170	23.8	19.4	29.0





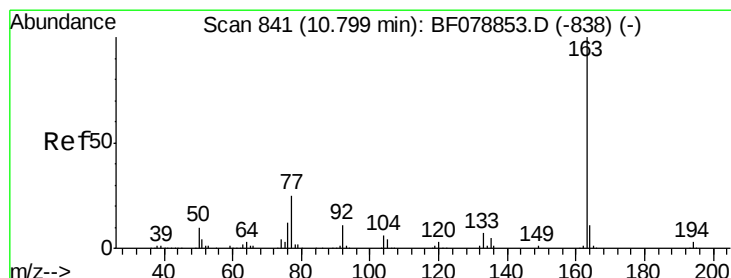
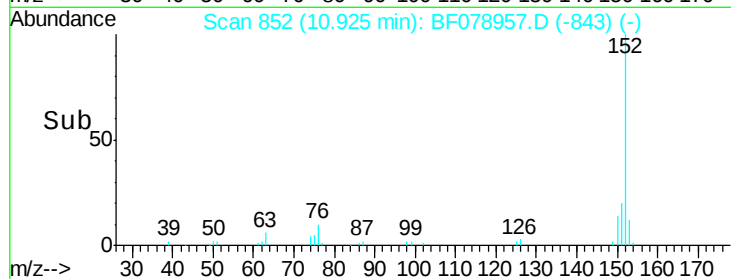
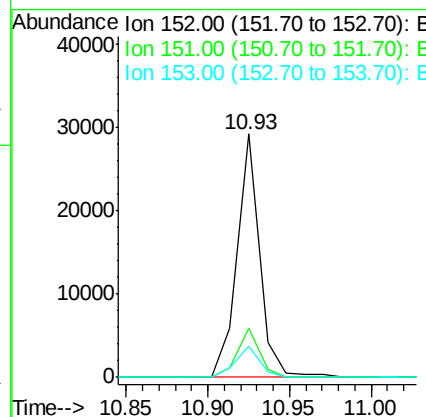
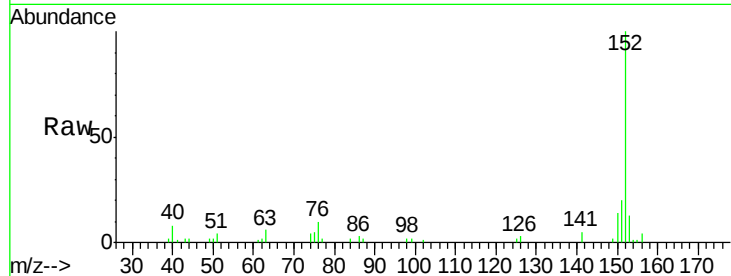
#48
Acenaphthylene
Concen: 2.06 ng
RT: 10.93 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

Instrument :
BNA_F
ClientSampleId :
SB-56S

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4
153	12.6	10.9	16.3

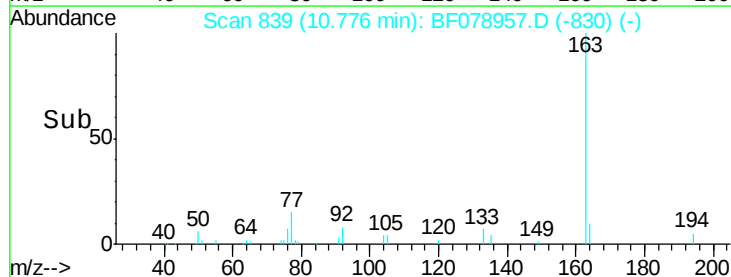
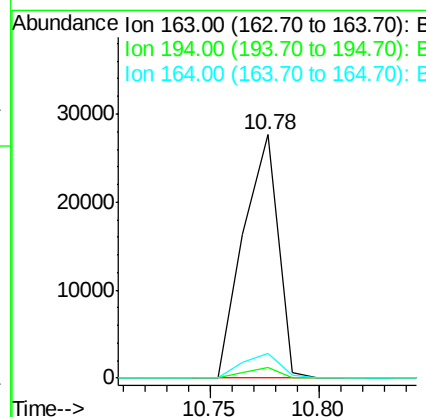
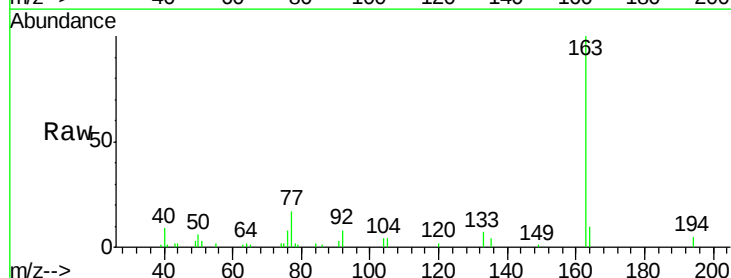
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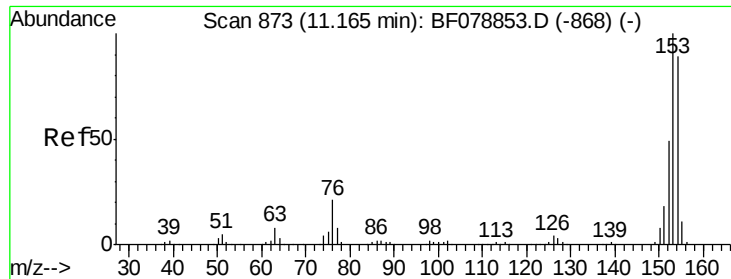
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#49
Dimethylphthalate
Concen: 3.15 ng
RT: 10.78 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	2.6	4.0#
164	10.3	8.1	12.1





#51

Acenaphthene

Concen: 2.64 ng

RT: 11.14 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

Instrument :

BNA_F

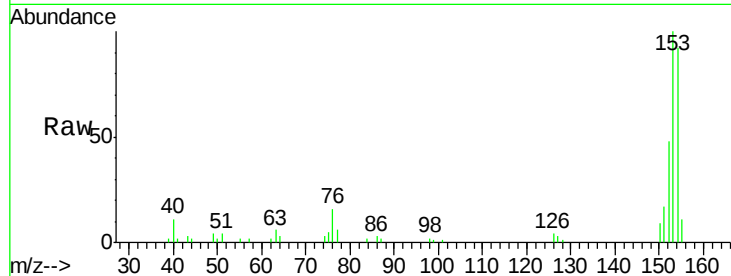
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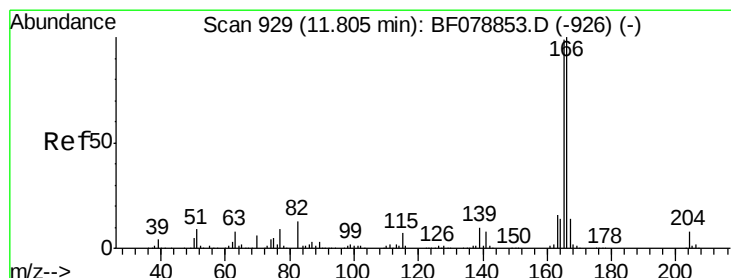
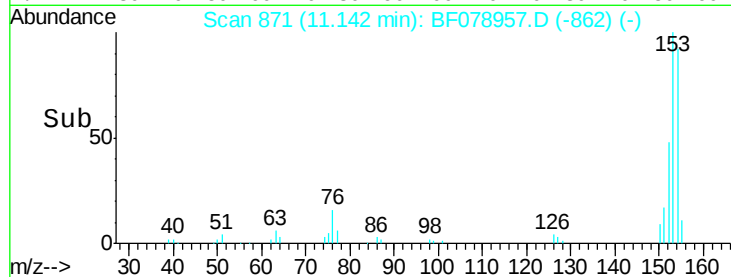
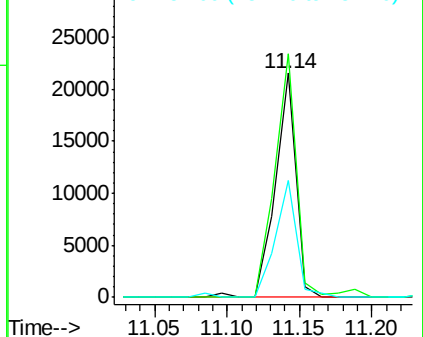
Tot Ion:	154	Resp:	21167
Ion Ratio	Lower	Upper	
154	100		
153	108.5	91.5	137.3
152	52.1	44.2	66.4

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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



#57

Fluorene

Concen: 3.06 ng

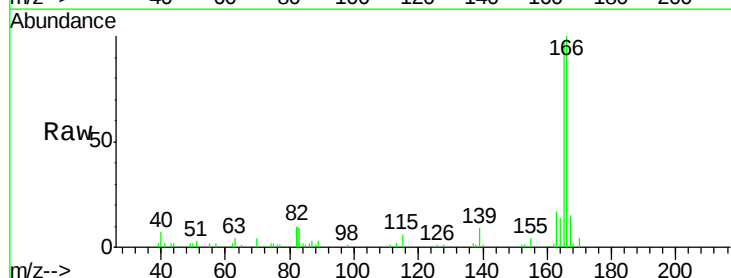
RT: 11.78 min Scan# 927

Delta R.T. 0.00 min

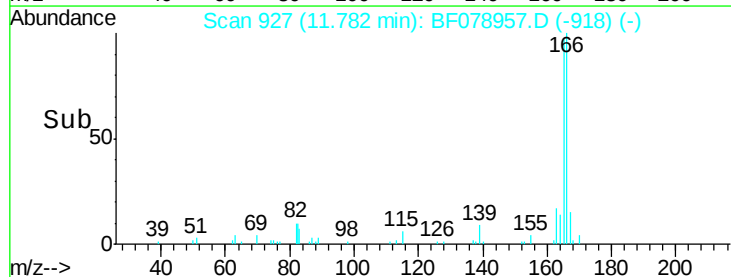
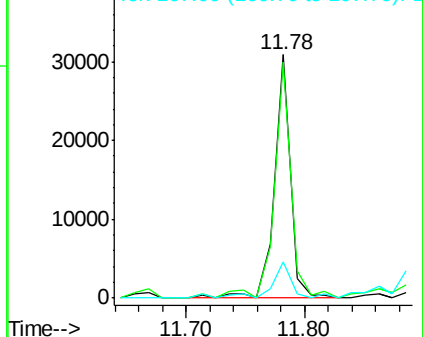
Lab File: BF078957.D

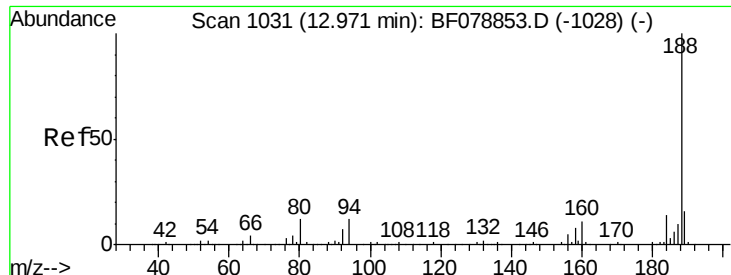
Acq: 6 May 2015 13:43

Tgt Ion:	166	Resp:	29158
Ion Ratio	Lower	Upper	
166	100		
165	96.7	78.5	117.7
167	14.8	11.0	16.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.95 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

Instrument :

BNA_F

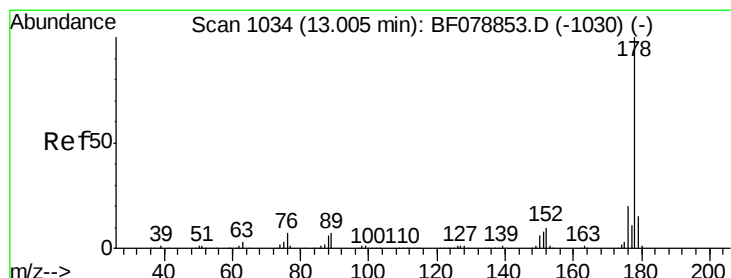
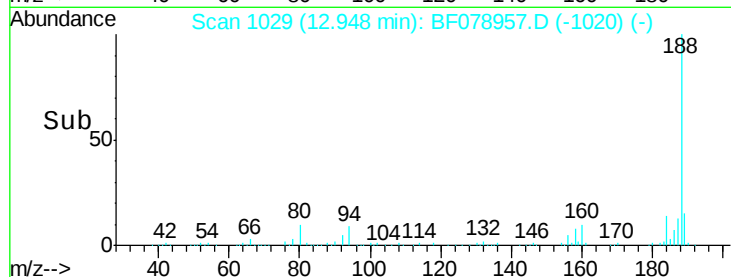
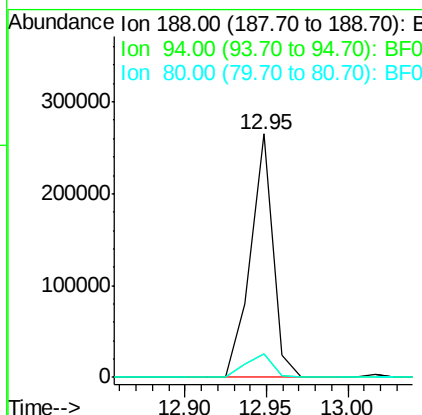
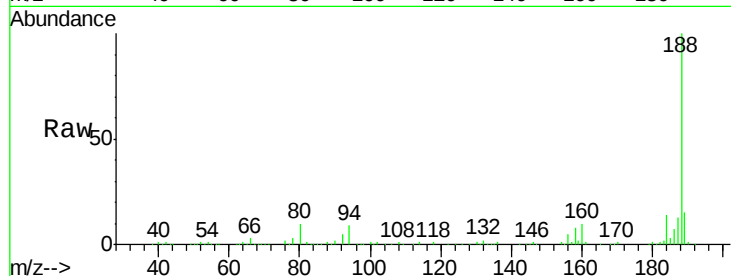
ClientSampleId :

SB-56S

Tot Ion:	188	Resp:	254762
Ion Ratio		Lower	Upper
188	100		
94	9.4	8.2	12.2
80	9.7	8.9	13.3

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#70

Phenanthrene

Concen: 40.94 ng

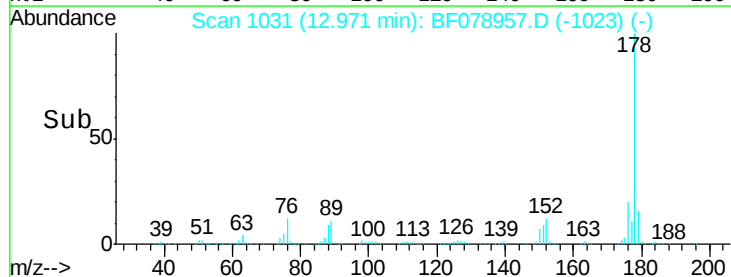
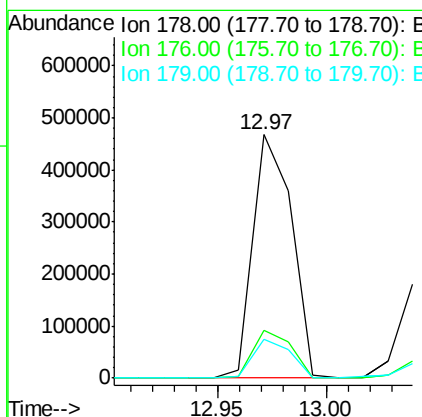
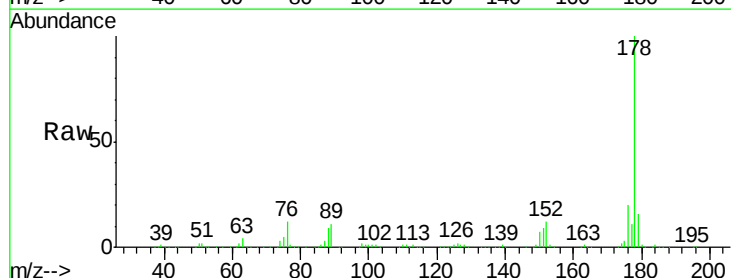
RT: 12.97 min Scan# 1031

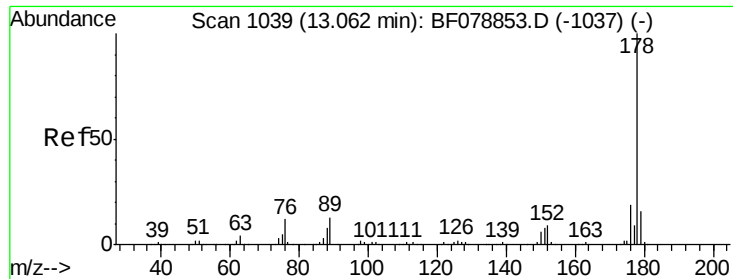
Delta R.T. -0.01 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

Tgt Ion:	178	Resp:	583453
Ion Ratio		Lower	Upper
178	100		
176	19.8	15.8	23.8
179	16.1	12.5	18.7





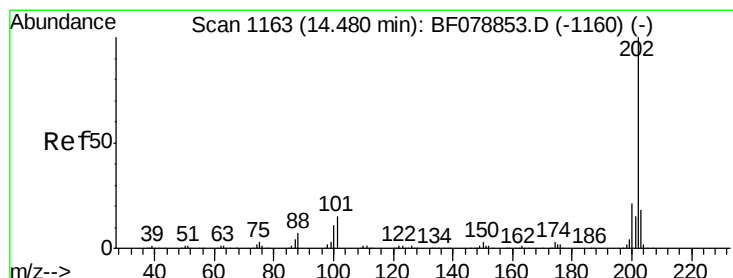
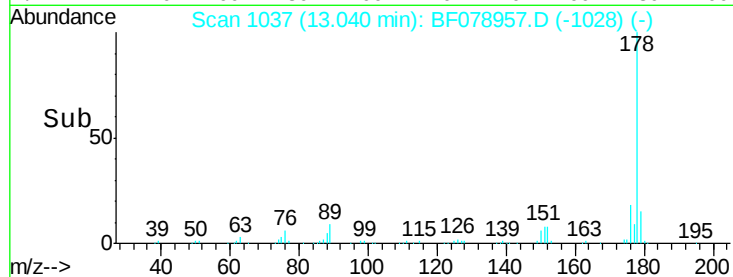
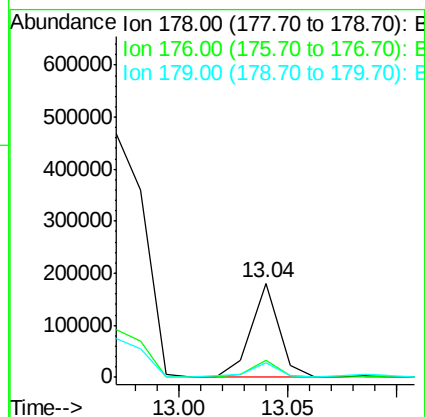
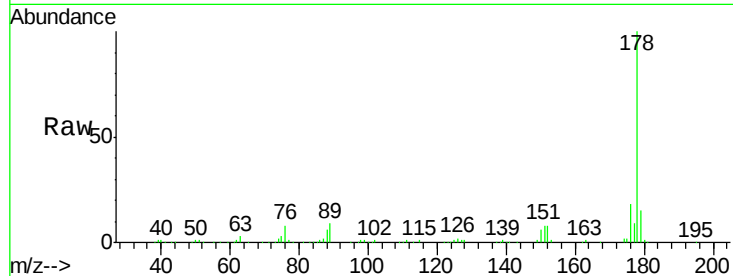
#71
 Anthracene
 Concen: 11.57 ng
 RT: 13.04 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-56S

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	15.2	12.7	19.1

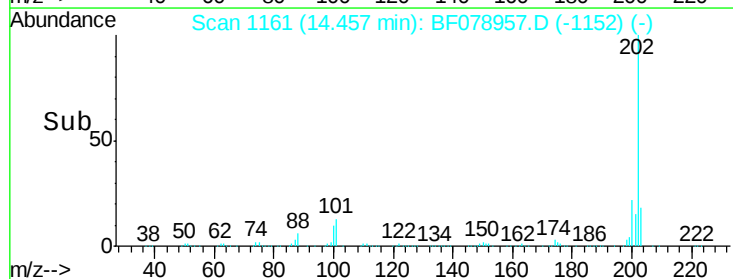
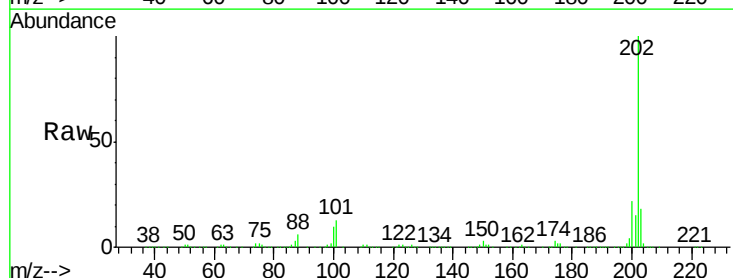
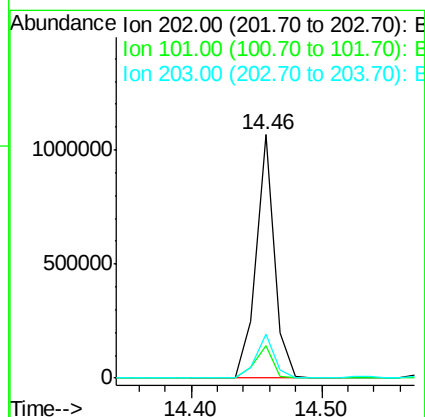
Manual Integrations
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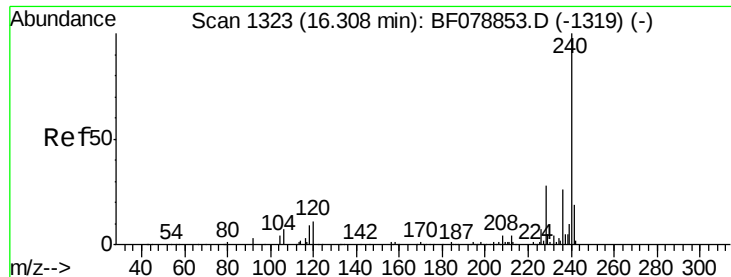
apatel
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#74
 Fluoranthene
 Concen: 70.45 ng
 RT: 14.46 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	34.6
203	18.3	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng m

RT: 16.24 min Scan# 1317

Delta R.T. -0.07 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

Instrument :

BNA_F

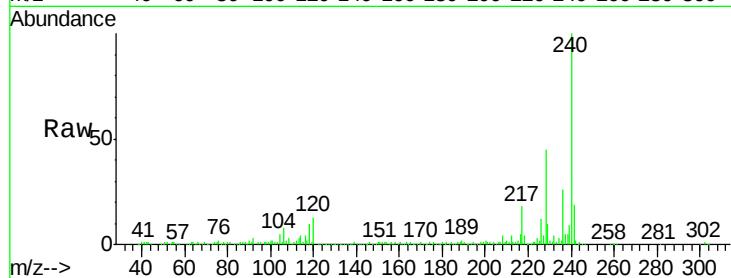
ClientSampleId :

SB-56S

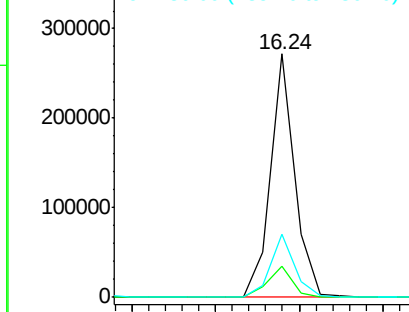
Tot Ion:	240	Resp:	274028
Ion Ratio	Lower	Upper	
240	100		
120	12.8	9.7	14.5
236	26.0	20.2	30.4

Manual Integrations
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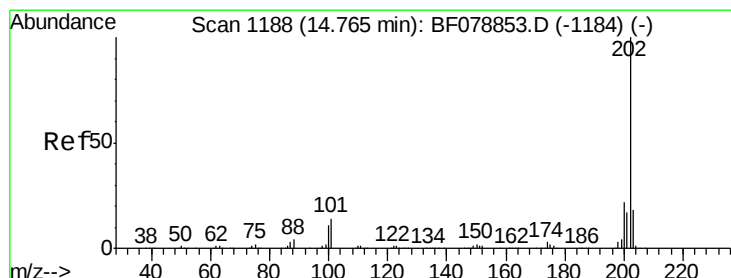
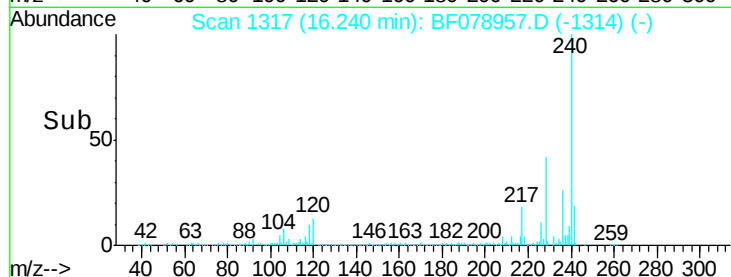
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time--> 16.15 16.20 16.25 16.30



#77

Pyrene

Concen: 57.51 ng m

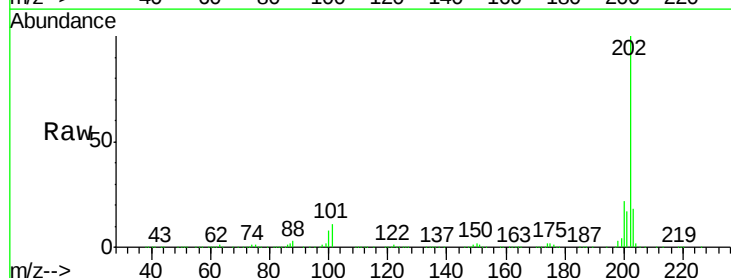
RT: 14.74 min Scan# 1186

Delta R.T. 0.00 min

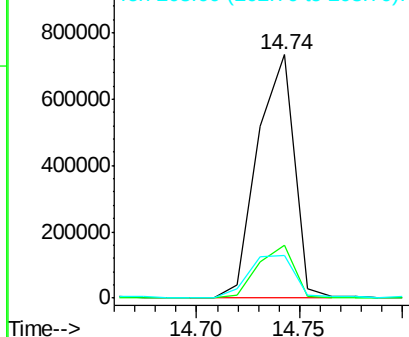
Lab File: BF078957.D

Acq: 6 May 2015 13:43

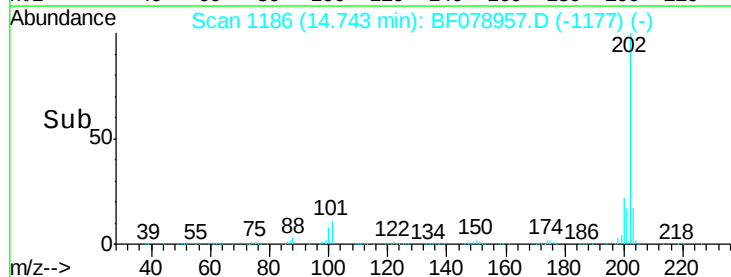
Tgt Ion:	202	Resp:	908154
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.5	26.3
203	17.7	13.9	20.9

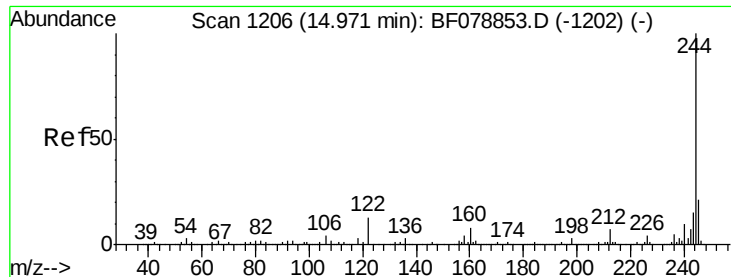


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 14.70 14.75





#78

Terphenyl-d14

Concen: 56.94 ng/mL

RT: 14.95 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

Instrument :

BNA_F

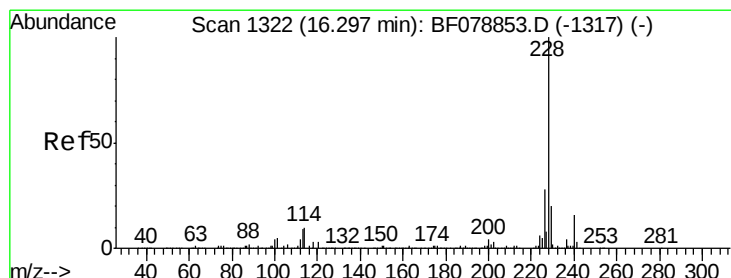
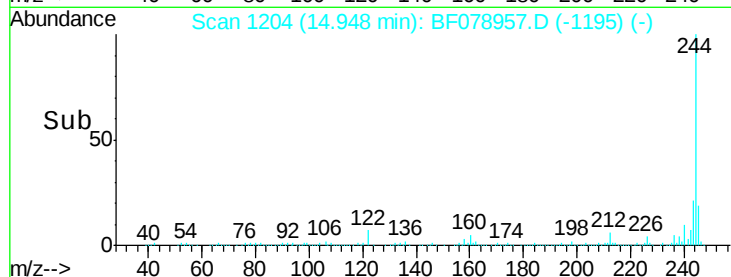
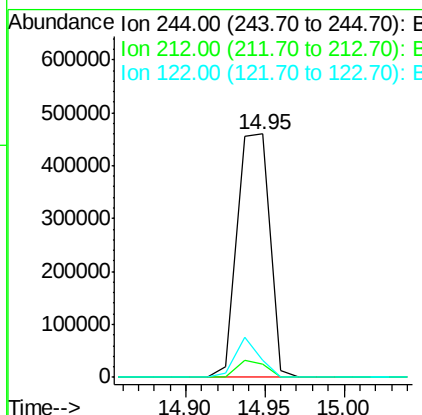
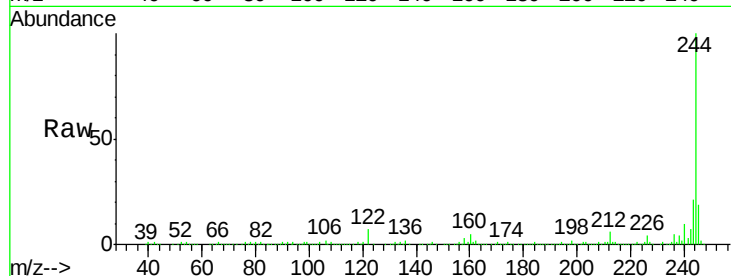
ClientSampleId :

SB-56S

Tot Ion	Ratio	Lower	Upper
244	100		
212	5.7	5.6	8.4
122	7.0	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 39.11 ng/mL

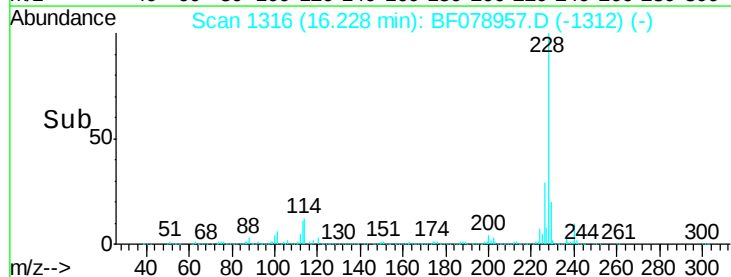
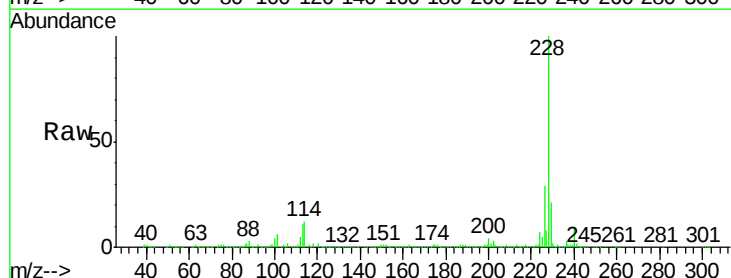
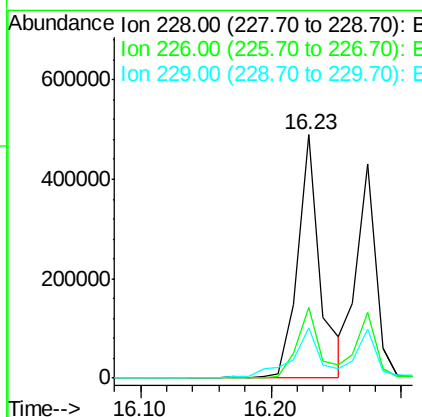
RT: 16.23 min Scan# 1316

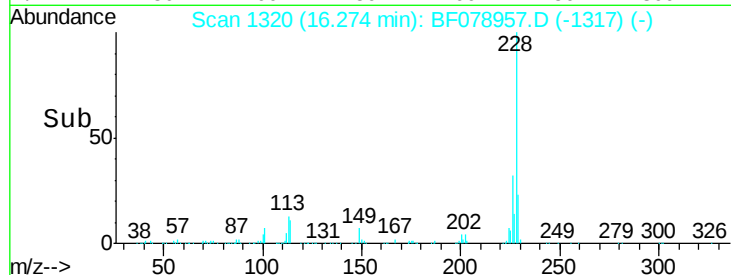
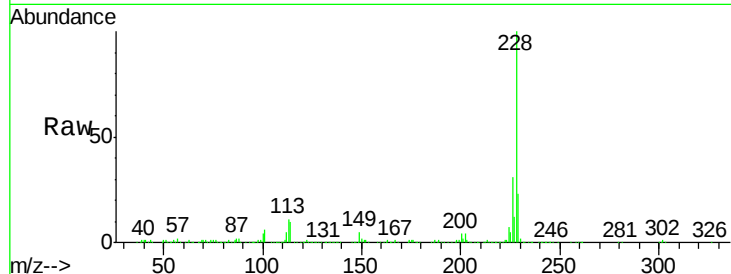
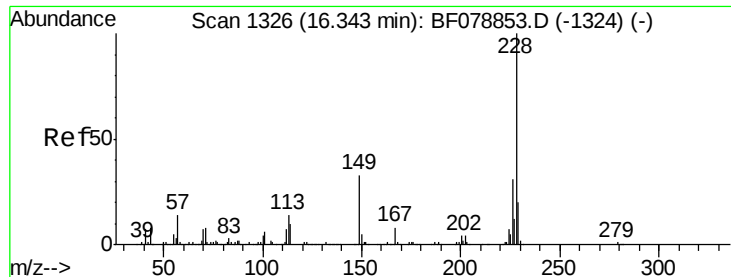
Delta R.T. -0.06 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	20.6	15.9	23.9





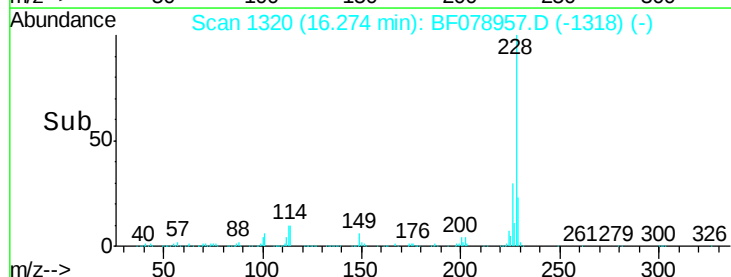
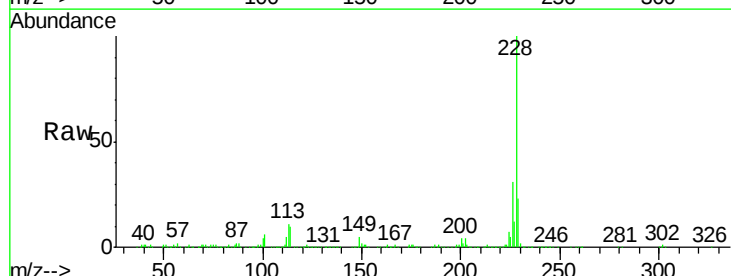
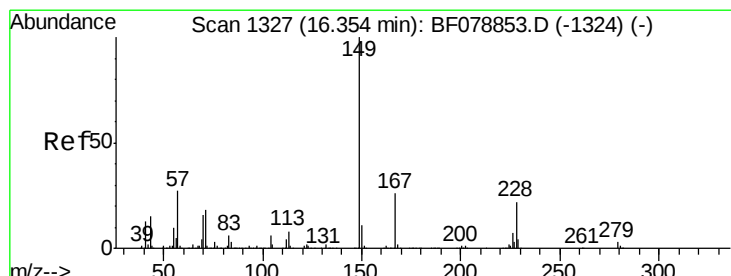
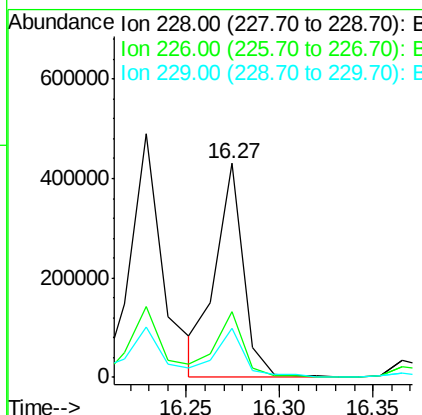
#82
Chrysene
Concen: 30.73 ng
RT: 16.27 min Scan# 1320
Delta R.T. -0.07 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

Instrument :
BNA_F
ClientSampleId :
SB-56S

Tot Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.8	24.9	37.3	
229	22.7	16.0	24.0	

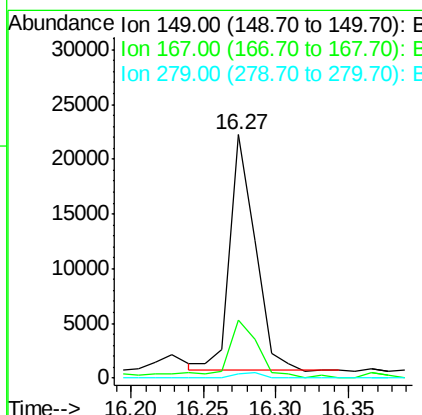
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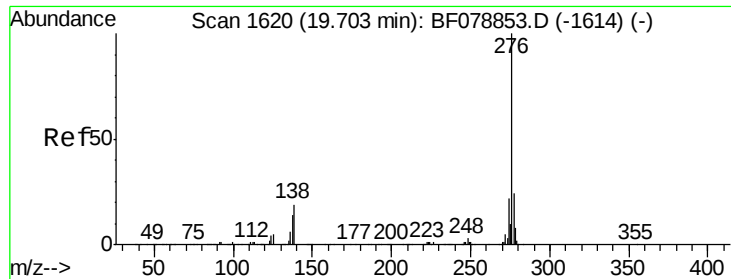
apatel
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.46 ng
RT: 16.27 min Scan# 1320
Delta R.T. -0.08 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	23.9	21.8	32.8	
279	2.0	2.9	4.3#	





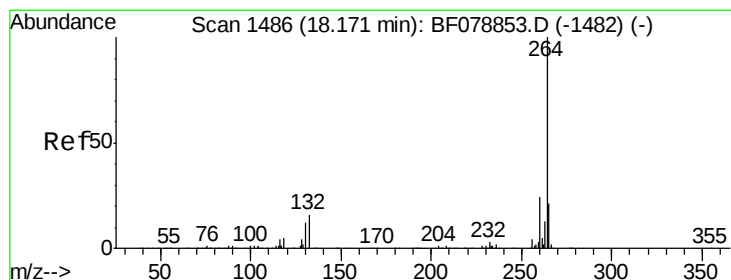
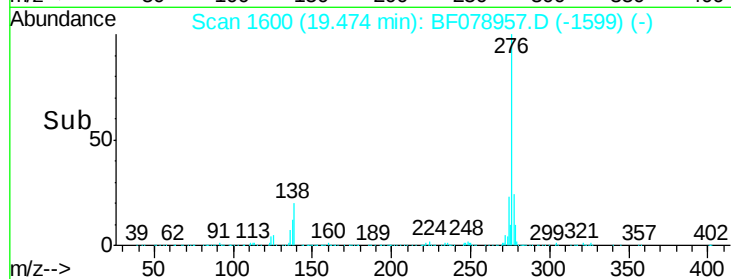
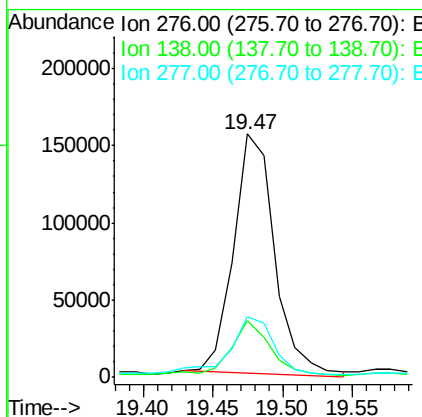
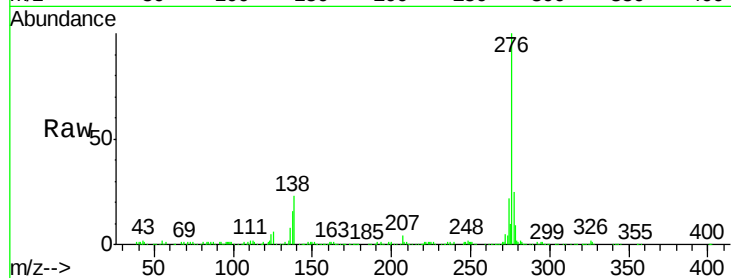
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.34 ng/mL
 RT: 19.47 min Scan# 1600
 Delta R.T. -0.29 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

Instrument :
 BNA_F
 ClientSampleID :
 SB-56S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	2.6		0.0	0.0	#
277	1.9		0.0	0.0	#

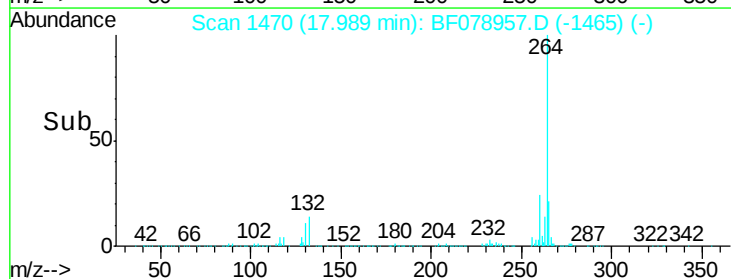
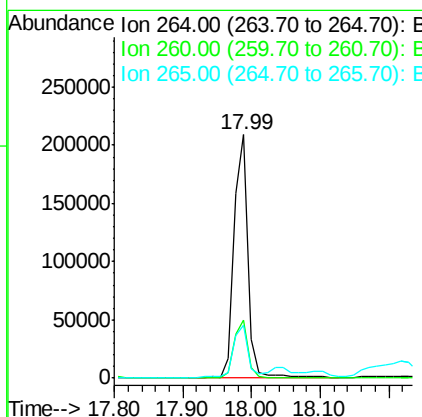
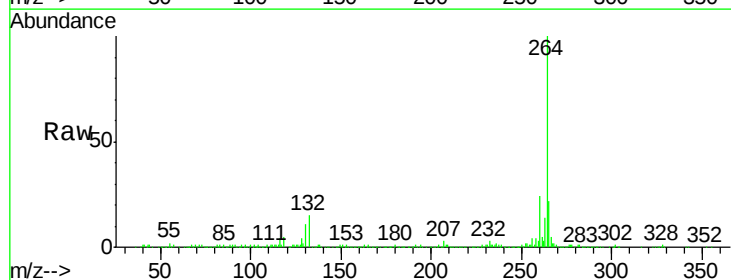
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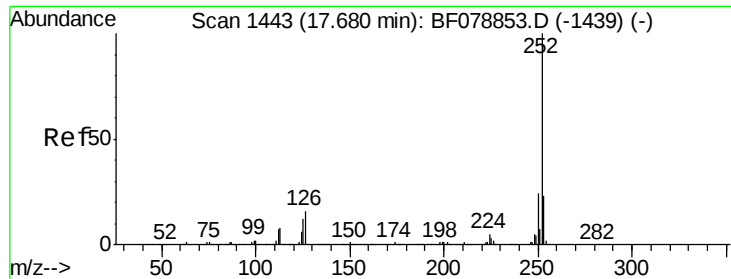
apatel
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.99 min Scan# 1470
 Delta R.T. -0.24 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	23.9		19.4	29.2	
265	21.8		18.3	27.5	





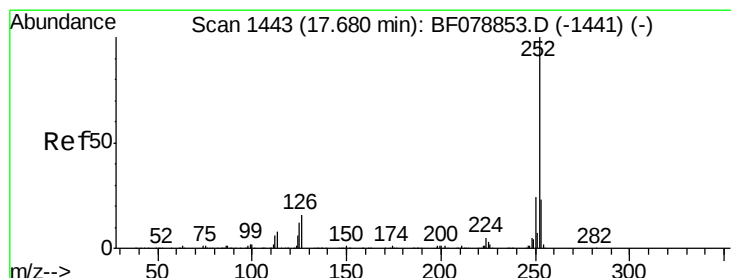
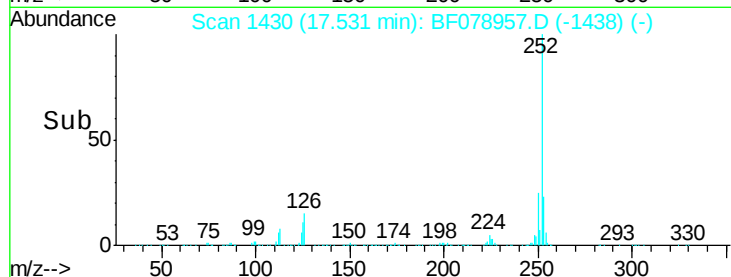
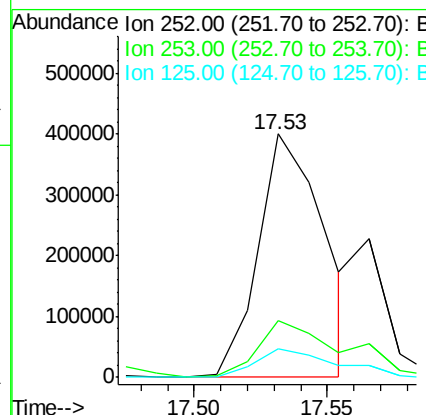
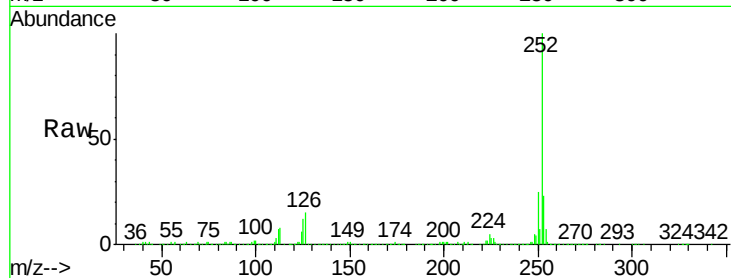
#87
Benzo(b)fluoranthene
Concen: 41.47 ng m
RT: 17.53 min Scan# 1430
Delta R.T. -0.19 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

Instrument :
BNA_F
ClientSampled :
SB-56S

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	11.6	9.5	14.3

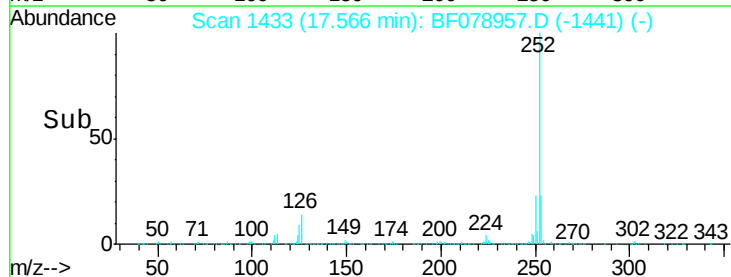
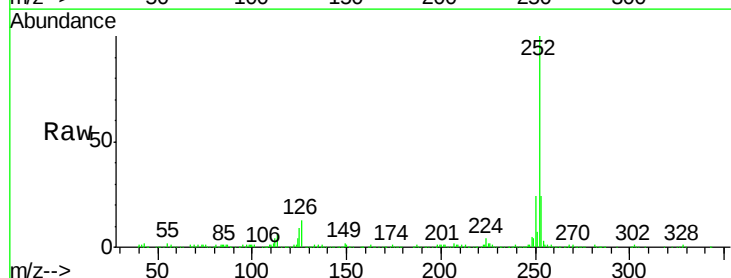
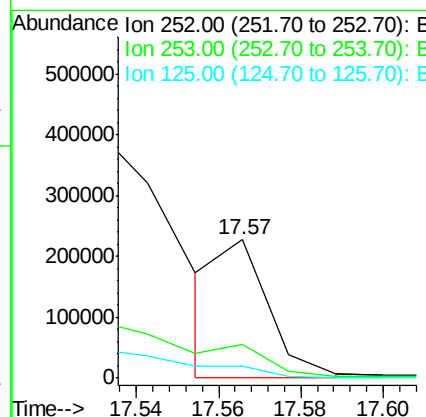
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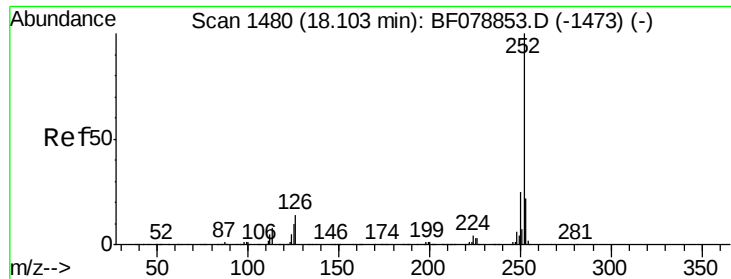
apatel
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#88
Benzo(k)fluoranthene
Concen: 11.66 ng m
RT: 17.57 min Scan# 1433
Delta R.T. -0.19 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	8.7	10.0	15.0





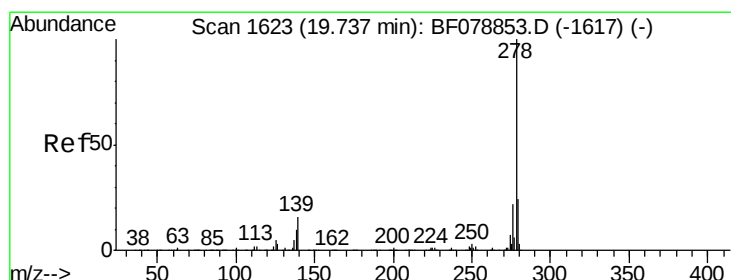
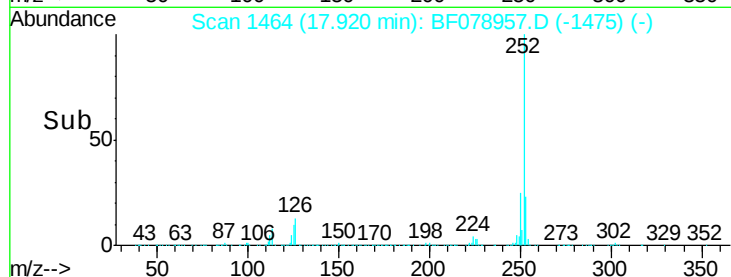
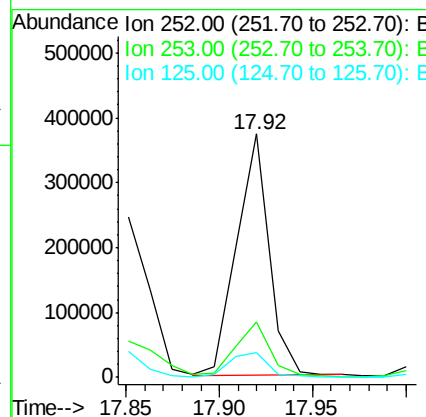
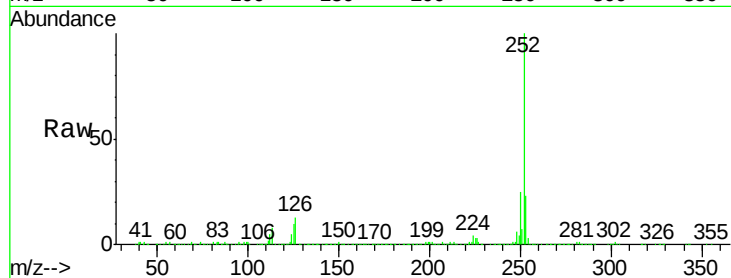
#89
Benzo(a)pyrene
Concen: 29.52 ng
RT: 17.92 min Scan# 1464
Delta R.T. -0.23 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

Instrument :
BNA_F
ClientSampled :
SB-56S

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	10.3	7.0	10.6

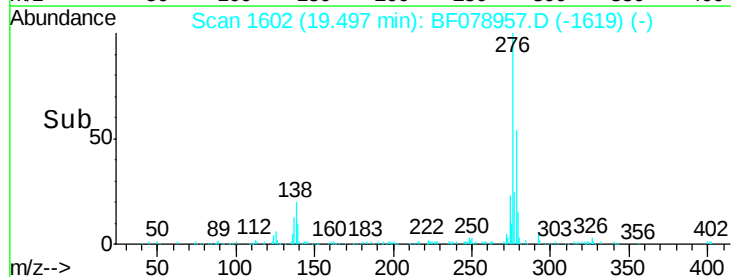
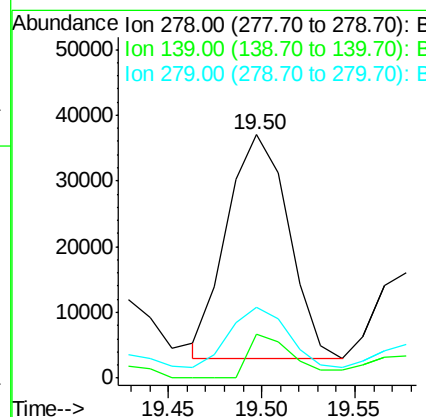
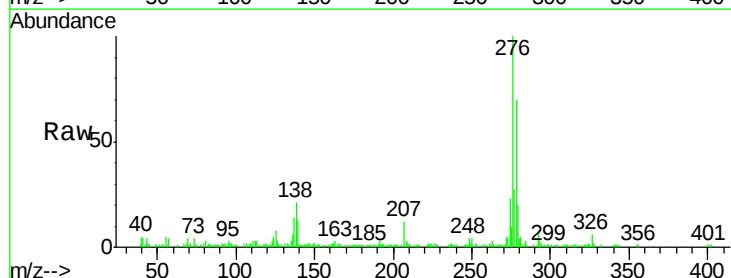
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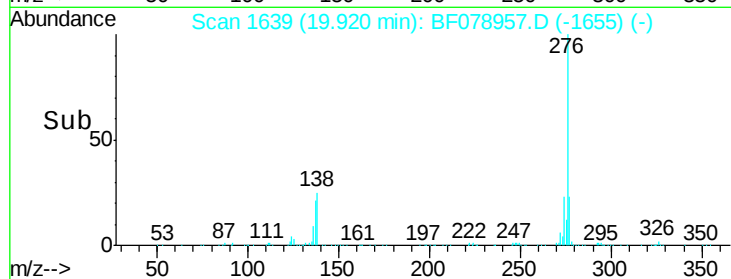
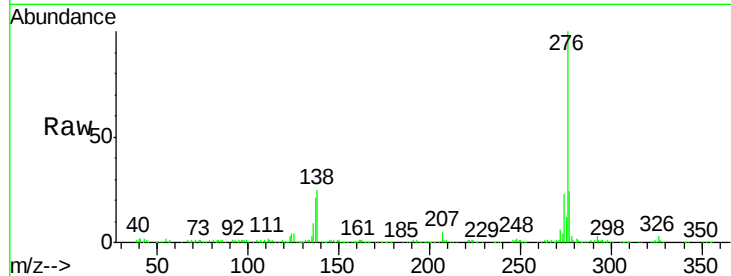
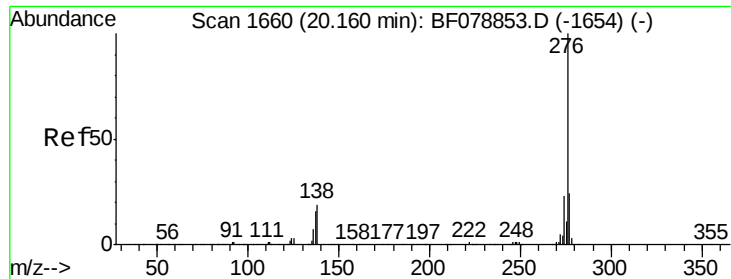
apatel
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#90
Dibenzo(a,h)anthracene
Concen: 4.78 ng
RT: 19.50 min Scan# 1602
Delta R.T. -0.30 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.8	12.8	19.2
279	29.1	19.6	29.4





#91
 Benzo(a,h,i)perylene
 Concen: 17.85 ng
 RT: 19.92 min Scan# 1639
 Delta R.T. -0.29 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-56S

Tot Ion:	276	Resp:	291740
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.6	28.0
138	25.1	17.4	26.0

Manual Integrations
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