

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079628.D
 Acq On : 31 May 2015 5:48
 Operator : TP/IZ
 Sample : G2408-02DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-25SDL

Manual Integrations
 APPROVED

apatel
 6/1/2015 8:48:17 PM

Quant Time: Jun 01 03:52:24 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 03:28:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	68419	20.00	ng	0.00
21) Naphthalene-d8	8.51	136	275483	20.00	ng	0.00
38) Acenaphthene-d10	10.67	164	129759	20.00	ng	0.00
63) Phenanthrene-d10	12.51	188	246963	20.00	ng	0.00
75) Chrysene-d12	15.78	240	262491	20.00	ng	-0.01
86) Perylene-d12	17.49	264	271742	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	80562	20.42	ng	0.01
7) Phenol-d6	6.54	99	109441	21.77	ng	0.00
23) Nitrobenzene-d5	7.63	82	62102	13.03	ng	0.00
41) 2,4,6-Tribromophenol	11.66	330	29009	20.35	ng	0.00
44) 2-Fluorobiphenyl	9.86	172	131082	14.41	ng	0.00
78) Terphenyl-d14	14.50	244	157720	14.10	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.54	128	70934	5.37	ng	99
37) 2-Methylnaphthalene	9.39	142	20415	2.22	ng	95
48) Acenaphthylene	10.50	152	60027	4.52	ng	100
49) Dimethylphthalate	10.38	163	23514	2.46	ng	100
54) Dibenzofuran	10.94	168	49386	4.41	ng	94
57) Fluorene	11.36	166	21472	2.32	ng	# 99
70) Phenanthrene	12.54	178	526234	38.84	ng	99
71) Anthracene	12.60	178	84489	6.14	ng	99
72) Carbazole	12.82	167	45688	3.45	ng	99
74) Fluoranthene	14.01	202	536186	36.90	ng	98
77) Pyrene	14.29	202	435649	26.79	ng	99
80) Benzo(a)anthracene	15.77	228	211526	14.01	ng	96
82) Chrysene	15.82	228	184988	12.89	ng	99
85) Indeno(1,2,3-cd)pyrene	18.77	276	124368	6.74	ng	# 93
87) Benzo(b)fluoranthene	17.05	252	235548m	15.20	ng	
88) Benzo(k)fluoranthene	17.06	252	99649m	7.19	ng	
89) Benzo(a)pyrene	17.42	252	167534	10.87	ng	98
91) Benzo(g,h,i)perylene	19.13	276	113857	5.66	ng	98

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

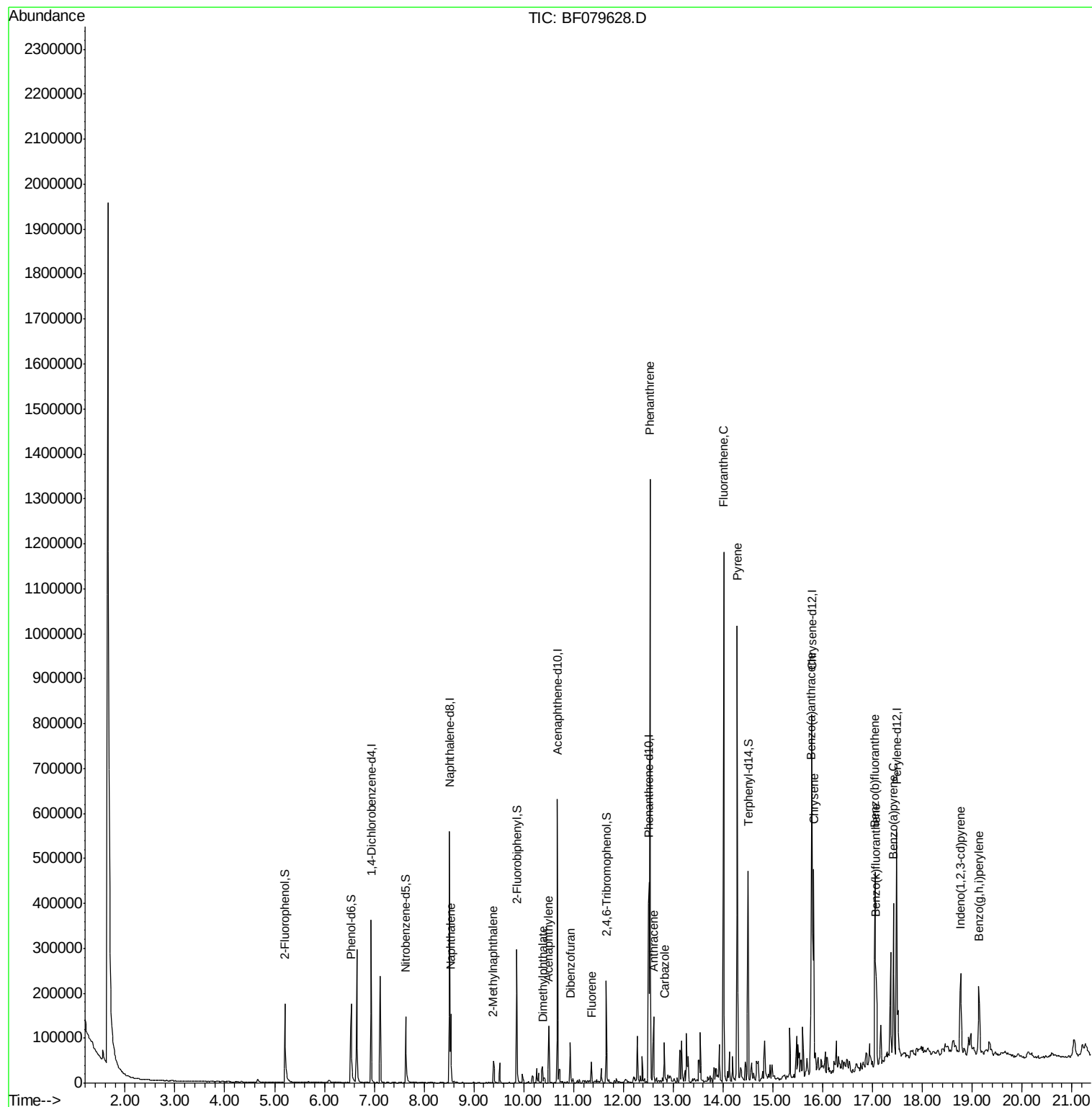
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079628.D
Acq On : 31 May 2015 5:48
Operator : TP/IZ
Sample : G2408-02DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

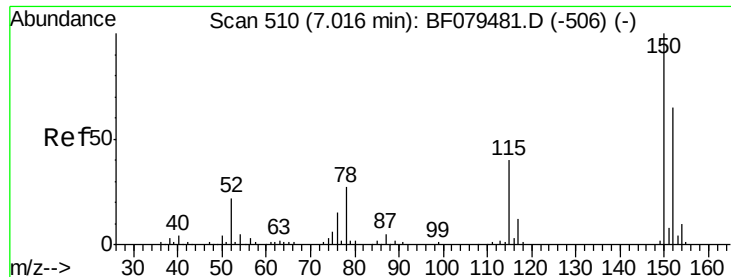
Instrument :
BNA_F
ClientSampleId :
SB-25SDL

Manual Integrations
APPROVED

apatel
6/1/2015 8:48:17 PM

Quant Time: Jun 01 03:52:24 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 01 03:28:53 2015
Response via : Initial Calibration





#1

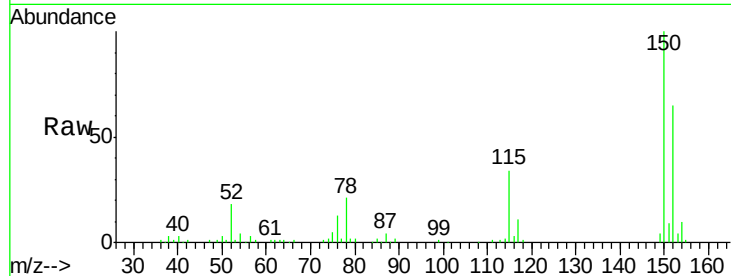
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 503
Delta R.T. -0.00 min
Lab File: BF079628.D
Acq: 31 May 2015 5:48

Instrument :
BNA_F
ClientSampleId :
SB-25SDL

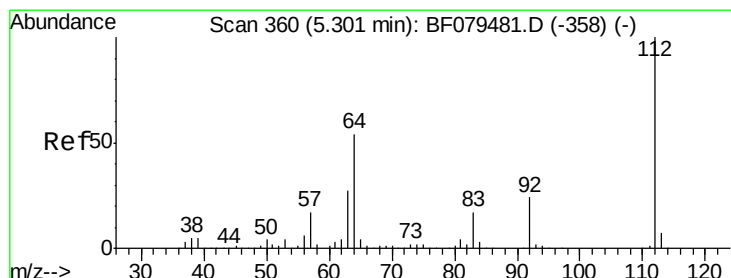
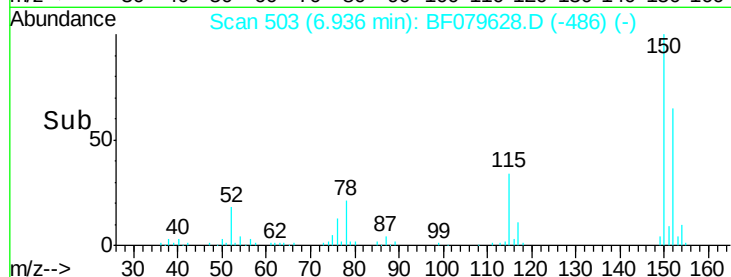
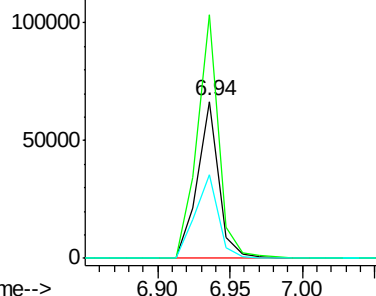
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.0	186.0
115	53.1	49.6	74.4

Manual Integrations
APPROVED

apatel
6/1/2015 8:48:17 PM



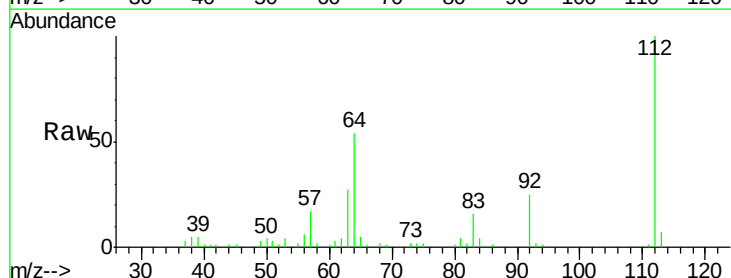
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



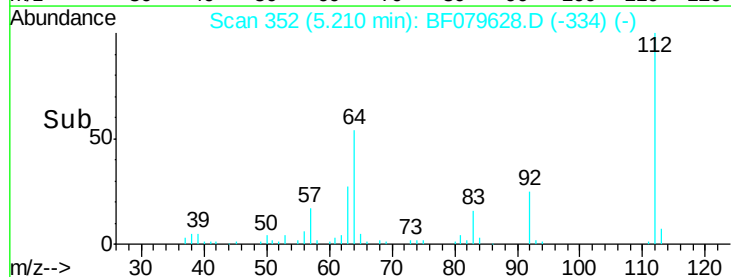
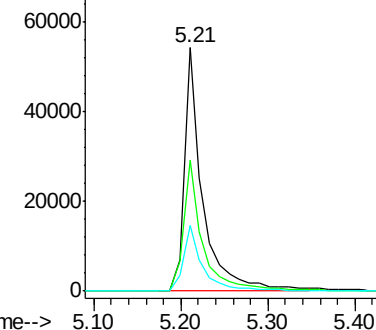
#5

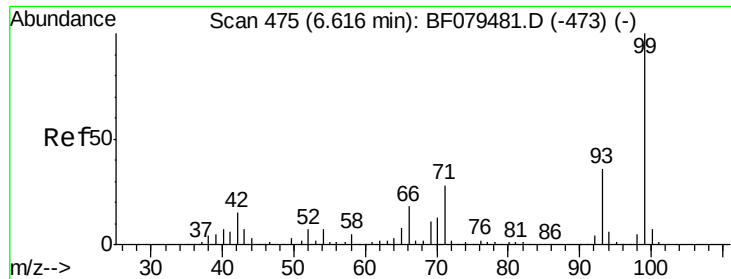
2-Fluorophenol
Concen: 20.42 ng
RT: 5.21 min Scan# 352
Delta R.T. 0.01 min
Lab File: BF079628.D
Acq: 31 May 2015 5:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	43.5	65.3
63	27.2	21.8	32.8



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: 21.77 ng

RT: 6.54 min Scan# 468

Delta R.T. -0.00 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

Instrument :

BNA_F

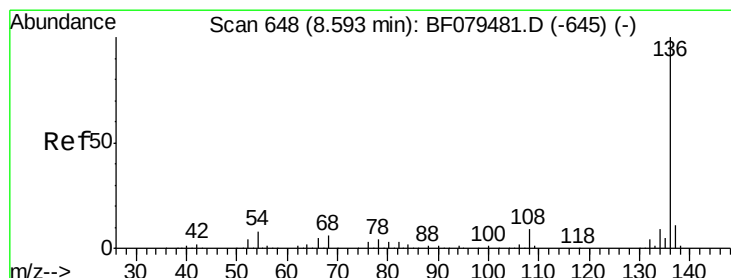
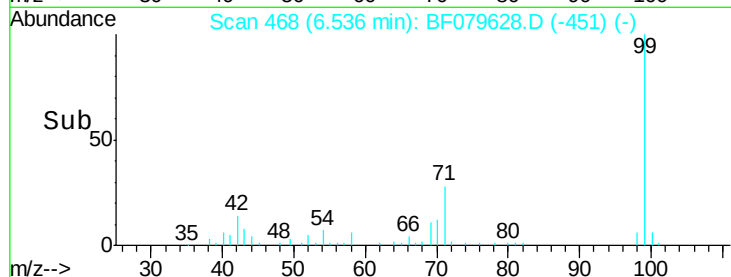
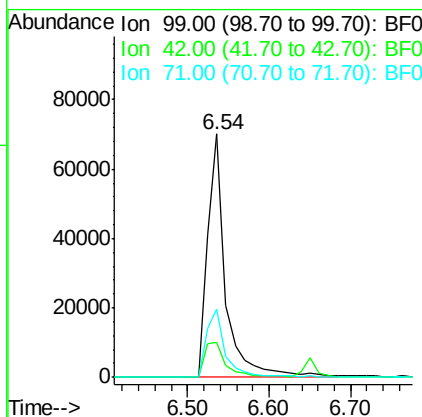
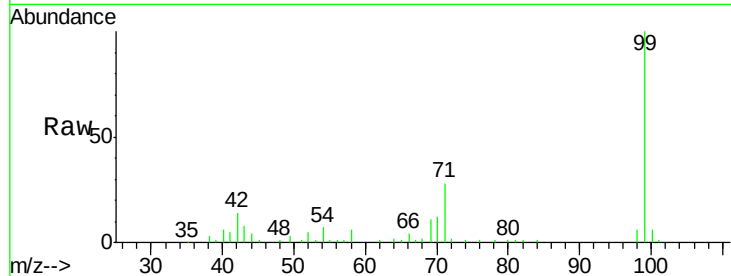
ClientSampleId :

SB-25SDL

Tgt Ion:	99	Resp:	109441
Ion Ratio	Lower	Upper	
99	100		
42	14.5	11.9	17.9
71	28.1	22.1	33.1

Manual Integrations
APPROVED

apatel
6/1/2015 8:48:17 PM



#21

Naphthalene-d8

Concen: 20.00 ng

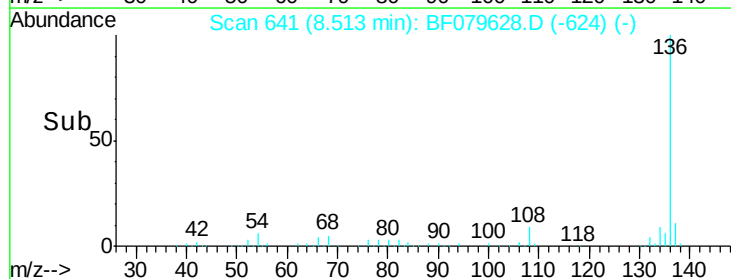
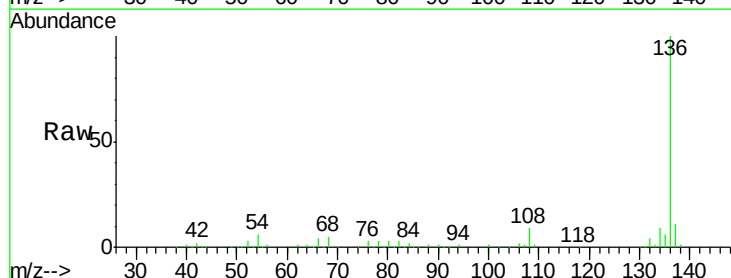
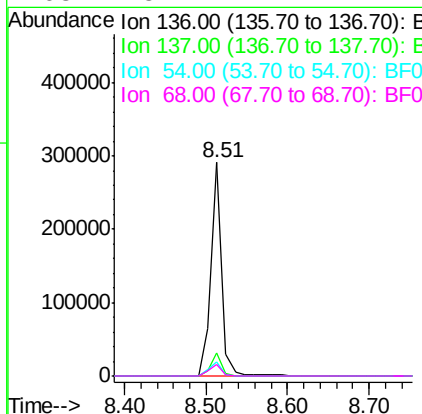
RT: 8.51 min Scan# 641

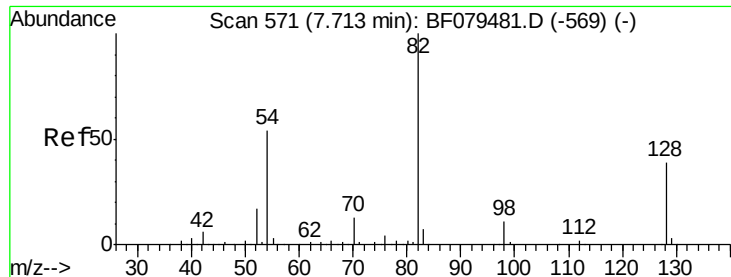
Delta R.T. -0.00 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

Tgt Ion:	136	Resp:	275483
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	6.4	6.6	9.8
68	5.2	4.7	7.1





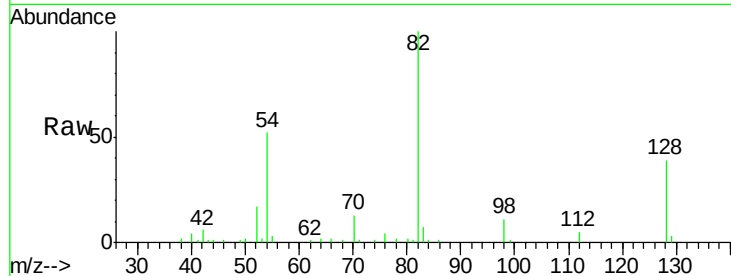
#23
 Nitrobenzene-d5
 Concen: 13.03 ng
 RT: 7.63 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: BF079628.D
 Acq: 31 May 2015 5:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-25SDL

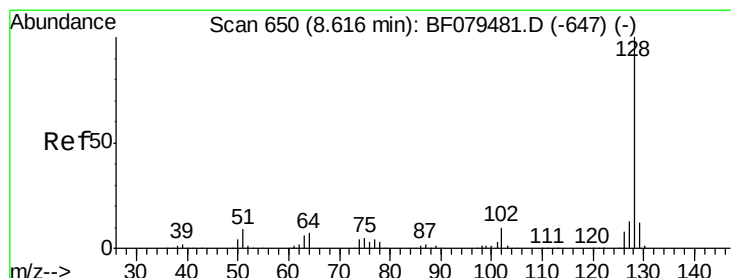
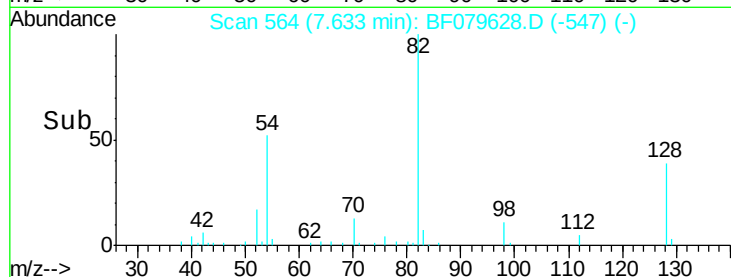
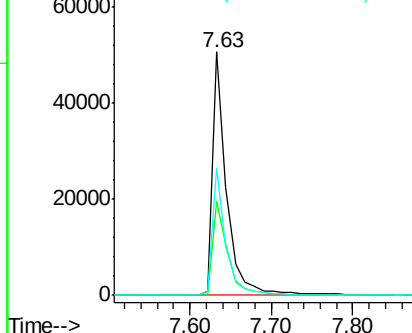
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.8	30.8	46.2
54	52.1	42.8	64.2

Manual Integrations
 APPROVED

apatel
 6/1/2015 8:48:17 PM

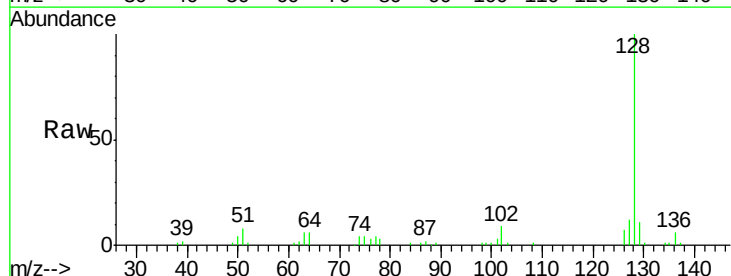


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

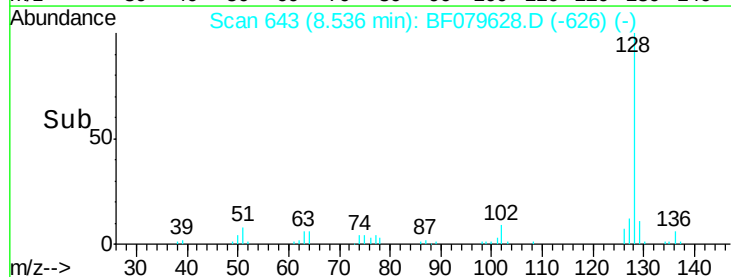
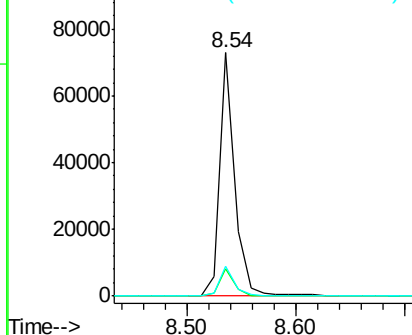


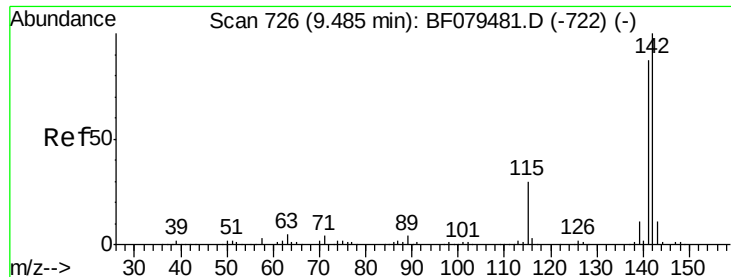
#31
 Naphthalene
 Concen: 5.37 ng
 RT: 8.54 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: BF079628.D
 Acq: 31 May 2015 5:48

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.3	13.9
127	12.3	10.6	15.8



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





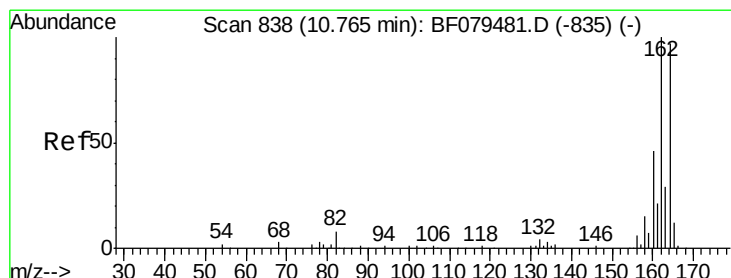
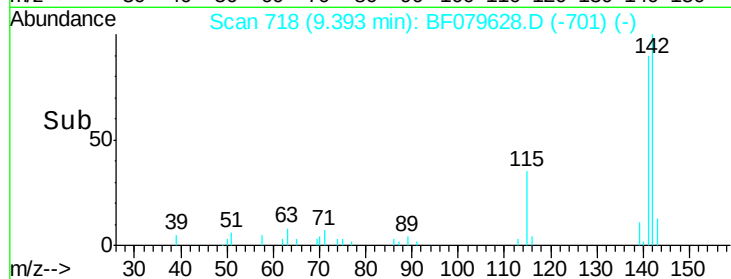
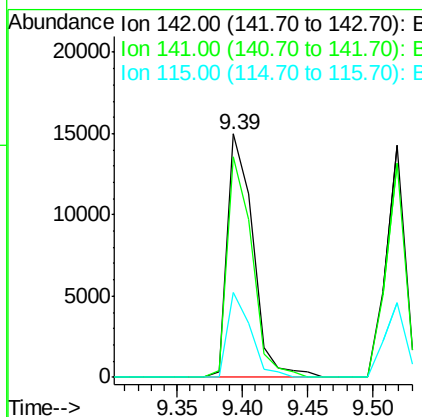
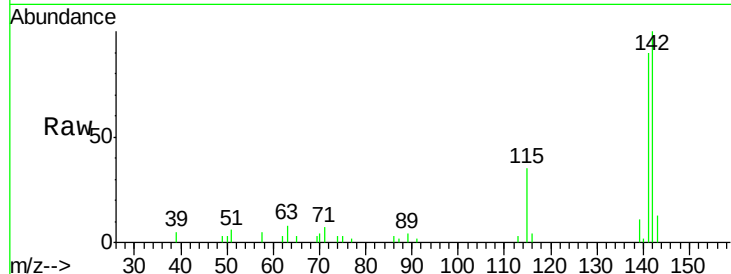
#37
 2-Methylnaphthalene
 Concen: 2.22 ng
 RT: 9.39 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: BF079628.D
 Acq: 31 May 2015 5:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-25SDL

Tgt Ion:	142	Resp:	20415
Ion Ratio	Lower	Upper	
142	100		
141	90.5	69.5	104.3
115	34.7	23.8	35.6

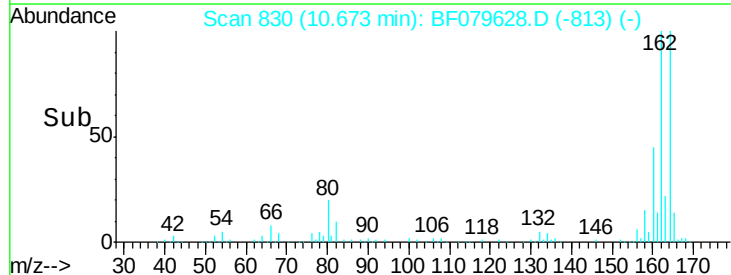
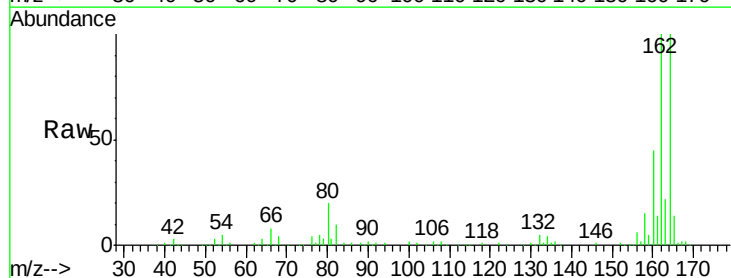
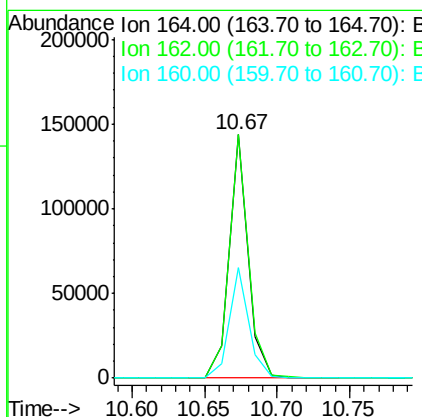
Manual Integrations
 APPROVED

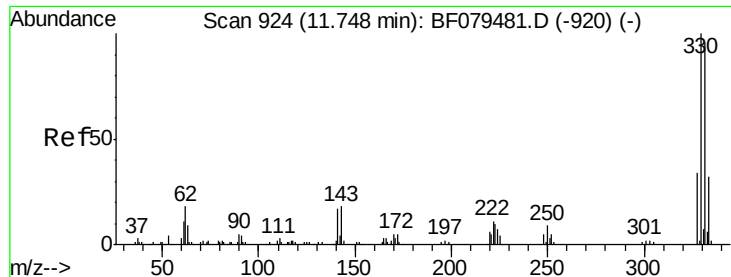
apatel
 6/1/2015 8:48:17 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.67 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF079628.D
 Acq: 31 May 2015 5:48

Tgt Ion:	164	Resp:	129759
Ion Ratio	Lower	Upper	
164	100		
162	100.1	82.6	124.0
160	45.3	37.7	56.5





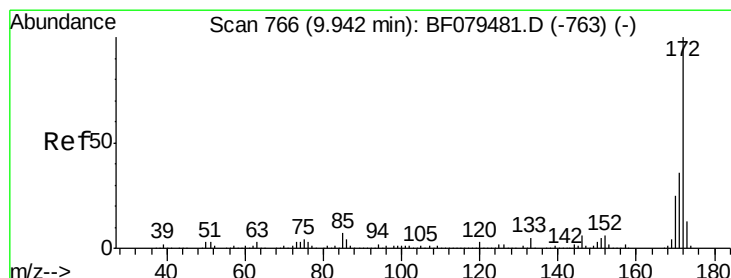
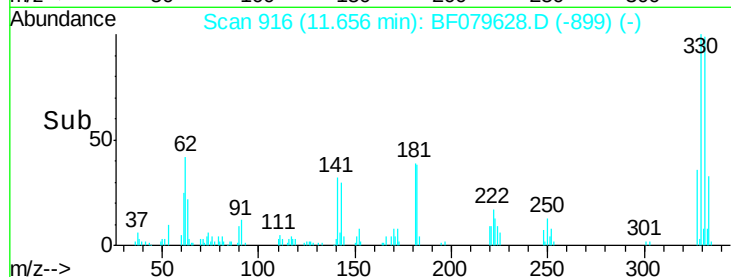
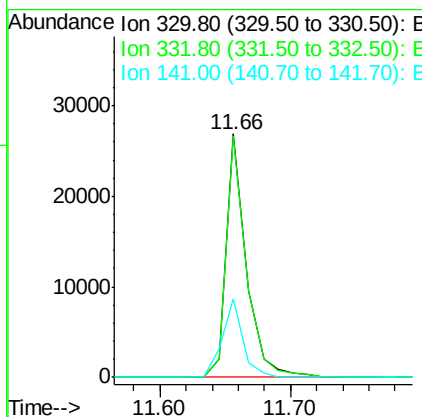
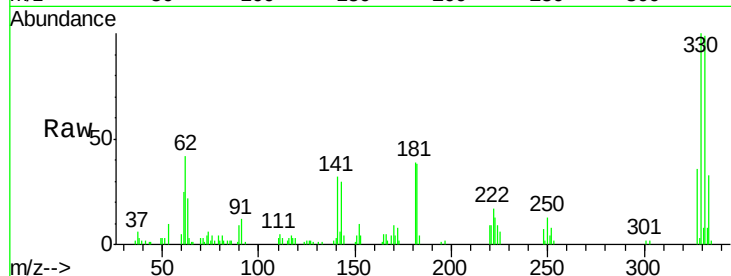
#41
 2,4,6-Tribromophenol
 Concen: 20.35 ng
 RT: 11.66 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: BF079628.D
 Acq: 31 May 2015 5:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-25SDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	98.7	0.0	0.0#
141	33.1	0.0	0.0#

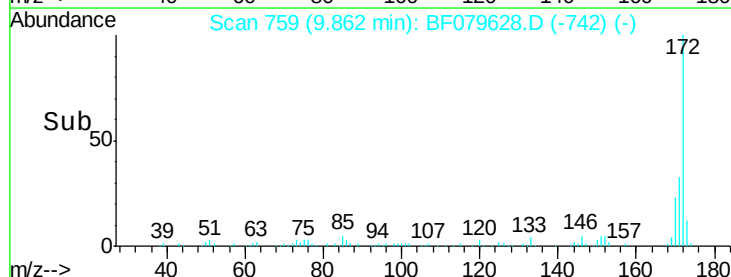
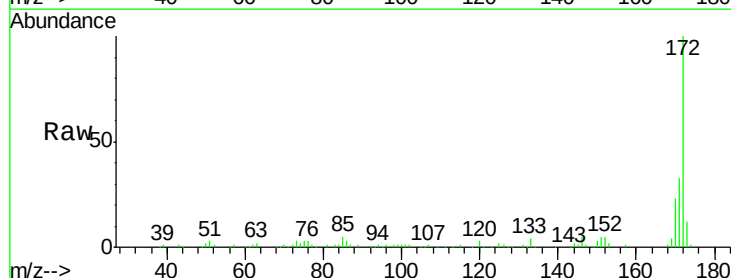
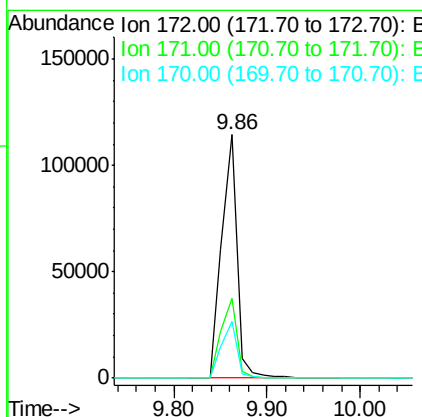
Manual Integrations
 APPROVED

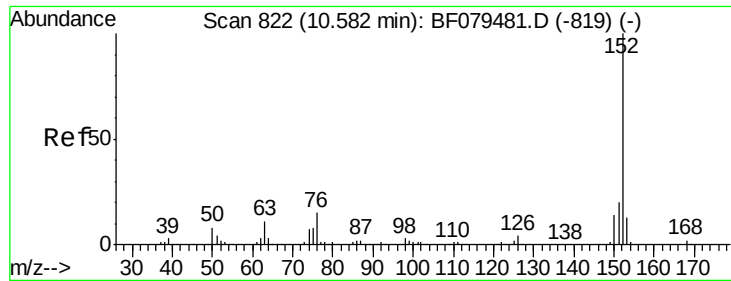
apatel
 6/1/2015 8:48:17 PM



#44
 2-Fluorobiphenyl
 Concen: 14.41 ng
 RT: 9.86 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: BF079628.D
 Acq: 31 May 2015 5:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	32.8	28.5	42.7
170	23.2	19.7	29.5





#48

Acenaphthylene

Concen: 4.52 ng

RT: 10.50 min Scan# 815

Delta R.T. -0.00 min

Lab File: BF079628.D

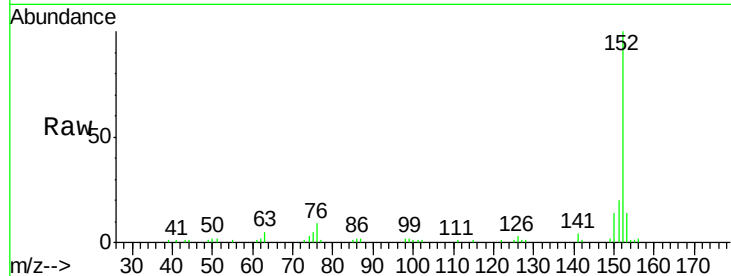
Acq: 31 May 2015 5:48

Instrument :

BNA_F

ClientSampleId :

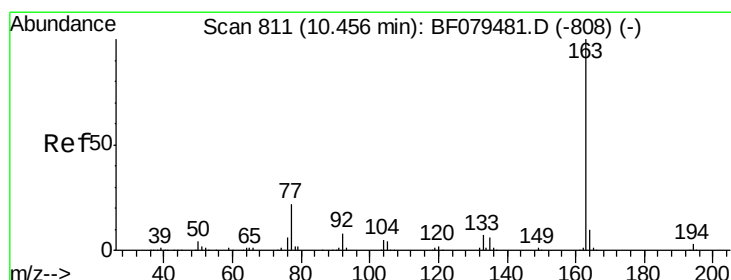
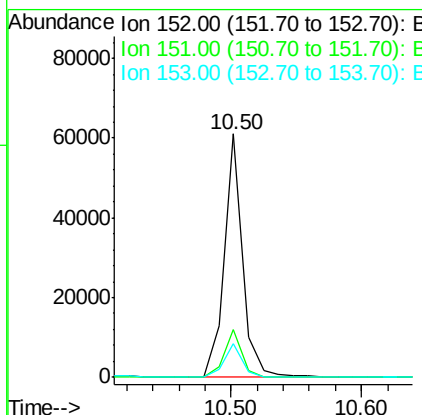
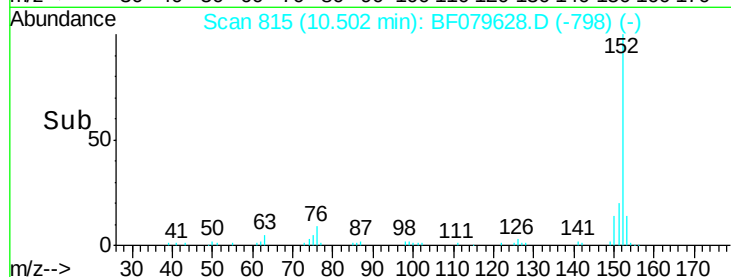
SB-25SDL



Tgt Ion:	152	Resp:	60027
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.8	23.8
153	13.7	10.7	16.1

Manual Integrations
APPROVED

apatel
6/1/2015 8:48:17 PM



#49

Dimethylphthalate

Concen: 2.46 ng

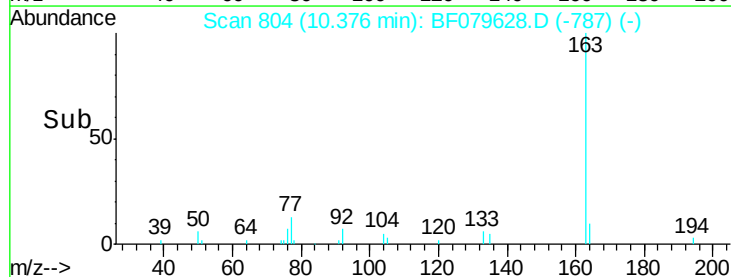
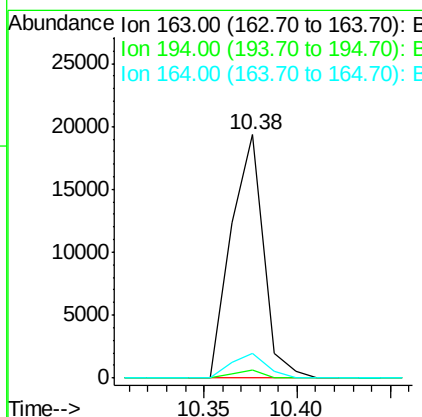
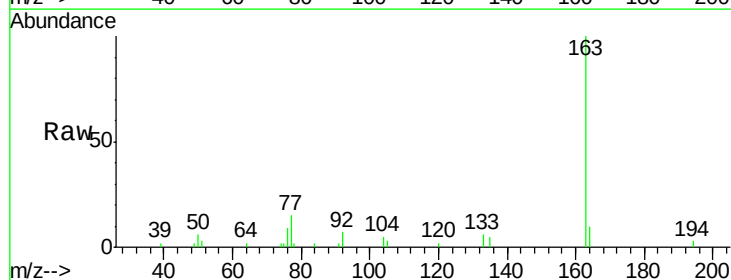
RT: 10.38 min Scan# 804

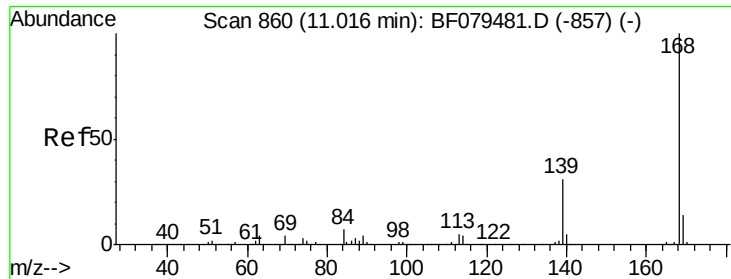
Delta R.T. -0.00 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

Tgt Ion:	163	Resp:	23514
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.4	3.6
164	10.3	8.2	12.4





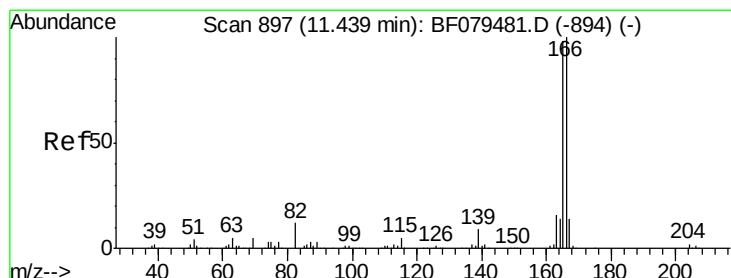
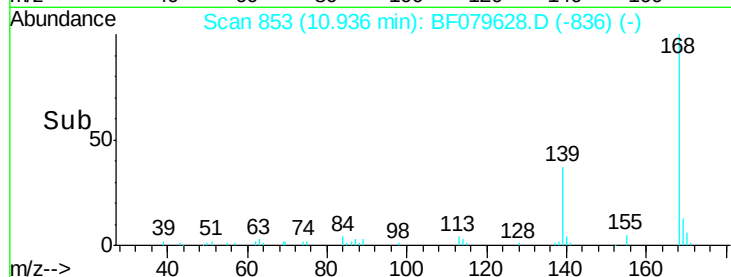
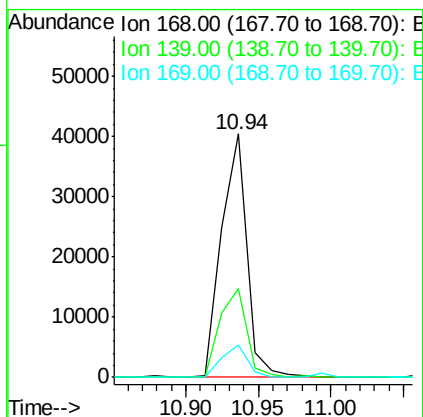
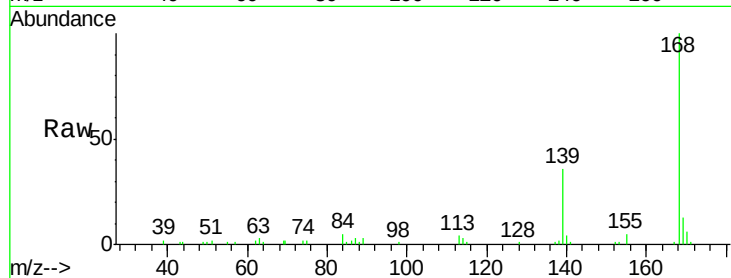
#54
Dibenzenofuran
Concen: 4.41 ng
RT: 10.94 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF079628.D
Acq: 31 May 2015 5:48

Instrument :
BNA_F
ClientSampleId :
SB-25SDL

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	49386		
139	36.3	32.9	49.3	
169	13.1	11.1	16.7	

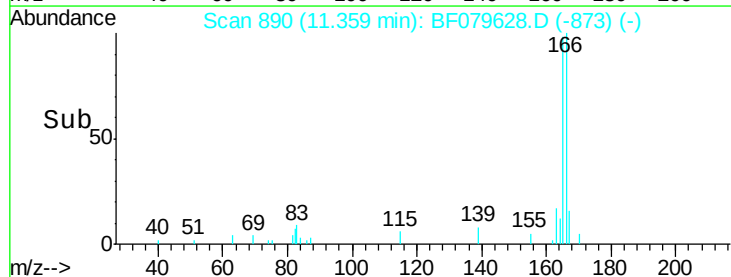
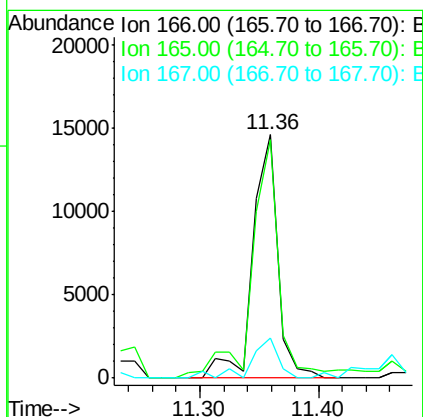
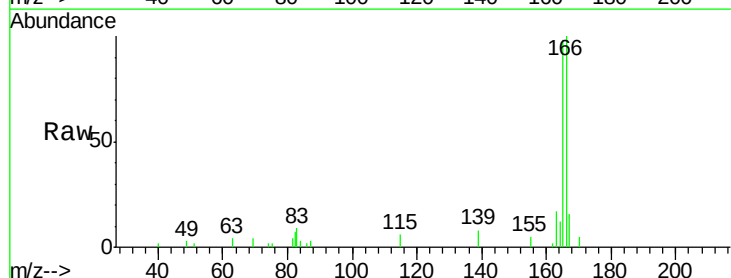
Manual Integrations
APPROVED

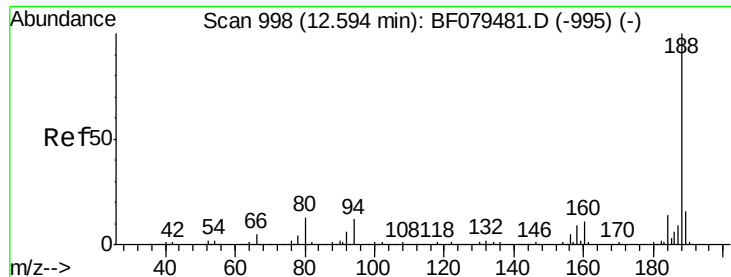
apatel
6/1/2015 8:48:17 PM



#57
Fluorene
Concen: 2.32 ng
RT: 11.36 min Scan# 890
Delta R.T. -0.00 min
Lab File: BF079628.D
Acq: 31 May 2015 5:48

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	21472		
165	97.8	78.6	117.8	
167	16.3	10.8	16.2	





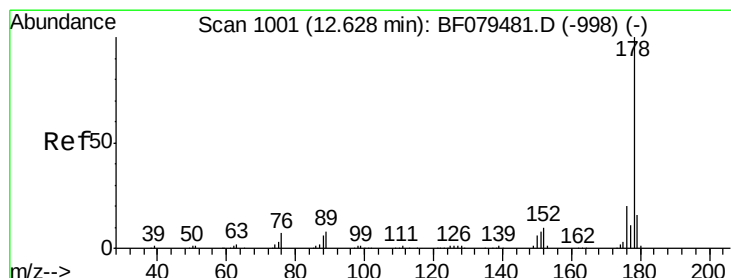
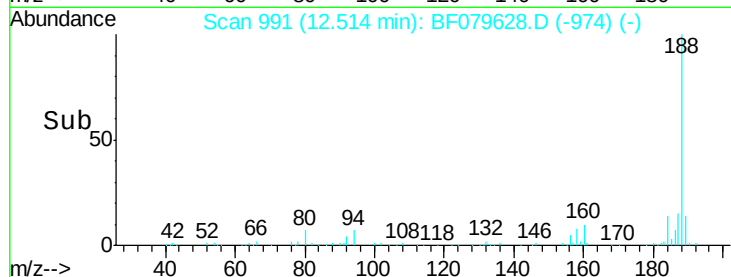
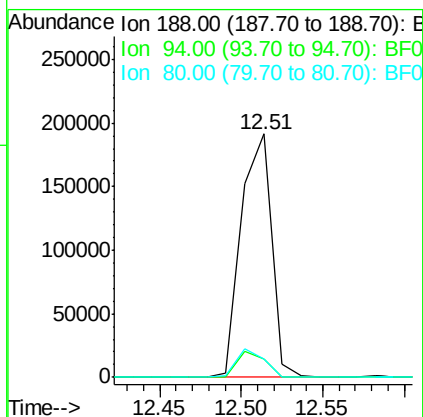
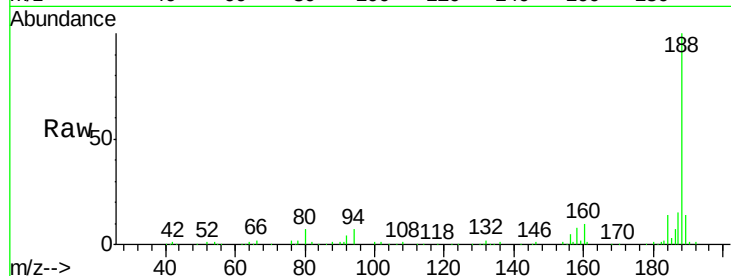
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.51 min Scan# 991
Delta R.T. -0.00 min
Lab File: BF079628.D
Acq: 31 May 2015 5:48

Instrument :
BNA_F
ClientSampleId :
SB-25SDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.3	9.8	14.6#
80	7.3	10.5	15.7#

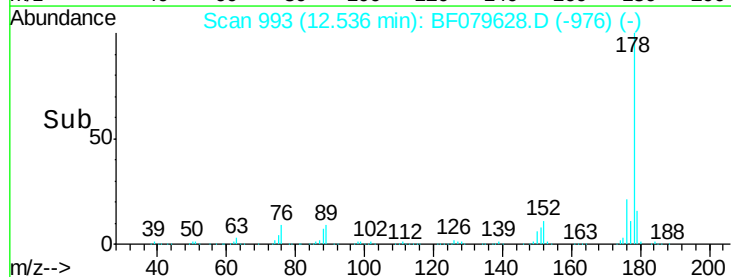
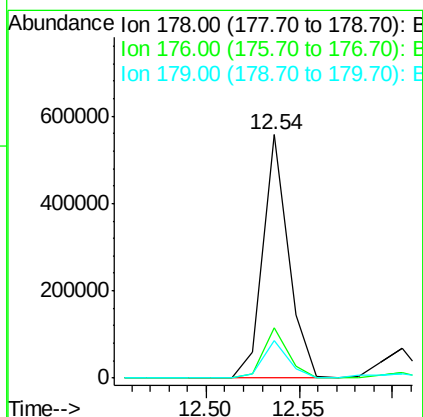
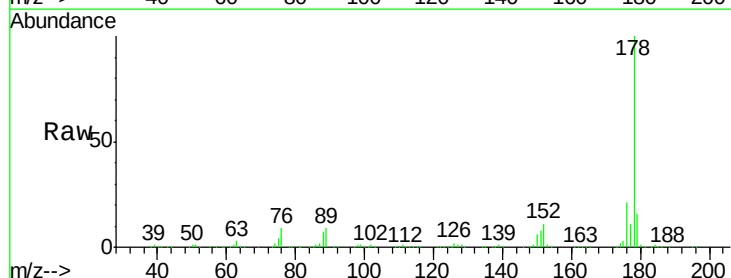
Manual Integrations
APPROVED

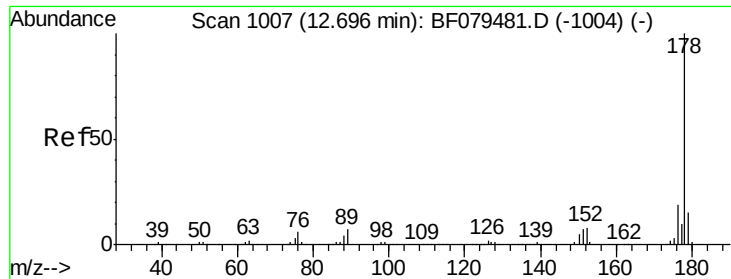
apatel
6/1/2015 8:48:17 PM



#70
Phenanthrene
Concen: 38.84 ng
RT: 12.54 min Scan# 993
Delta R.T. -0.00 min
Lab File: BF079628.D
Acq: 31 May 2015 5:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.5	15.7	23.5
179	15.7	12.4	18.6





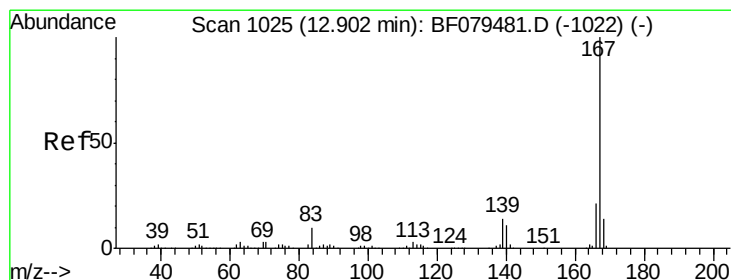
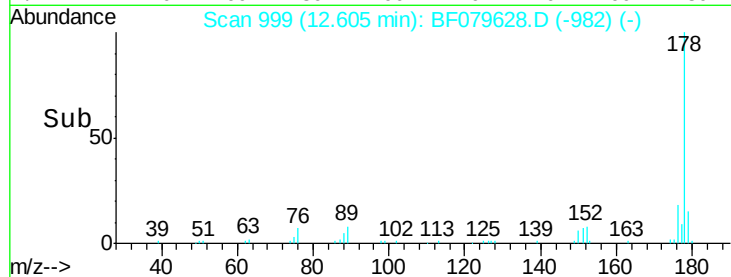
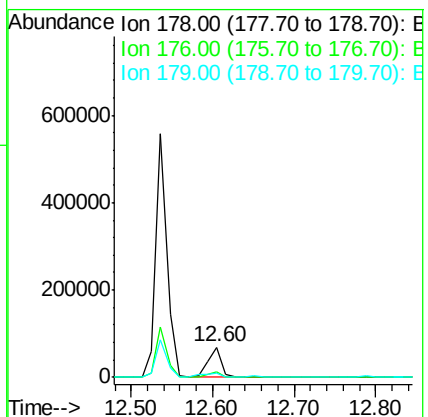
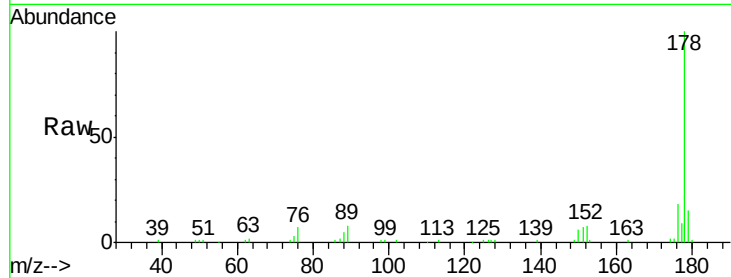
#71
 Anthracene
 Concen: 6.14 ng
 RT: 12.60 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: BF079628.D
 Acq: 31 May 2015 5:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-25SDL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.3	22.9
179	15.2	12.2	18.4

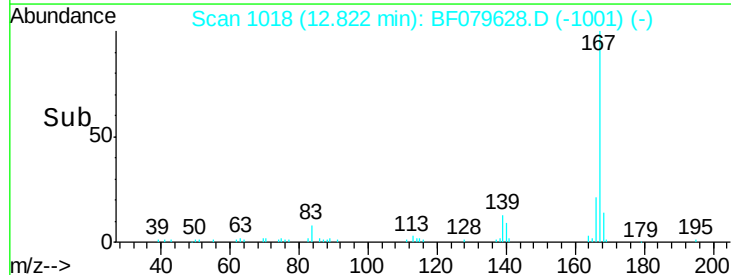
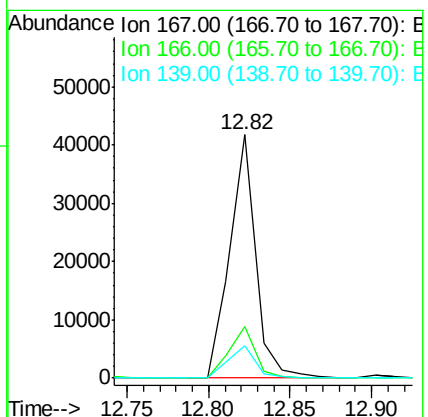
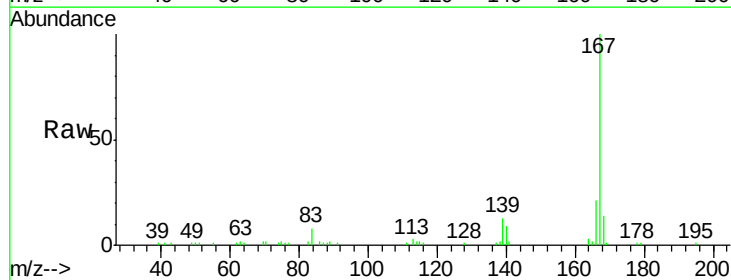
Manual Integrations
 APPROVED

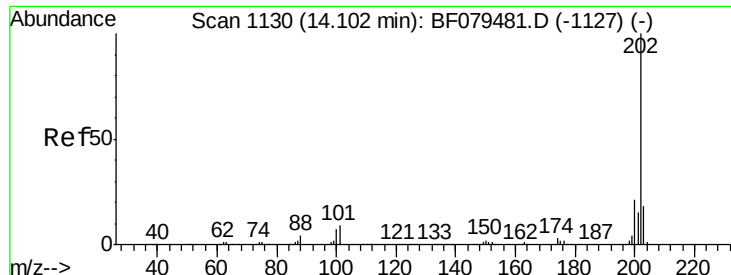
apatel
 6/1/2015 8:48:17 PM



#72
 Carbazole
 Concen: 3.45 ng
 RT: 12.82 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: BF079628.D
 Acq: 31 May 2015 5:48

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.4
139	13.3	11.2	16.8





#74

Fluoranthene

Concen: 36.90 ng

RT: 14.01 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

Instrument :

BNA_F

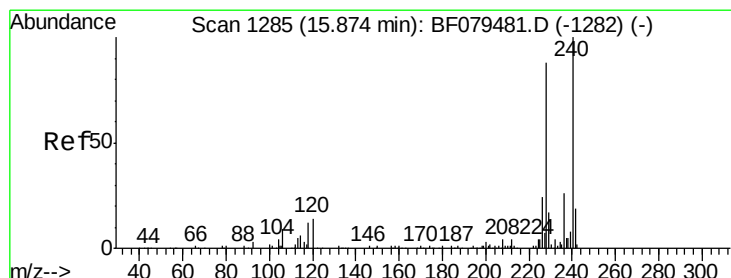
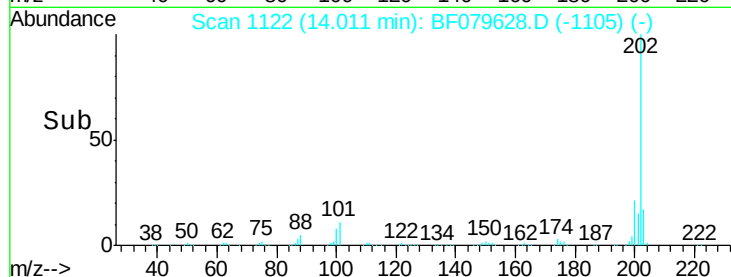
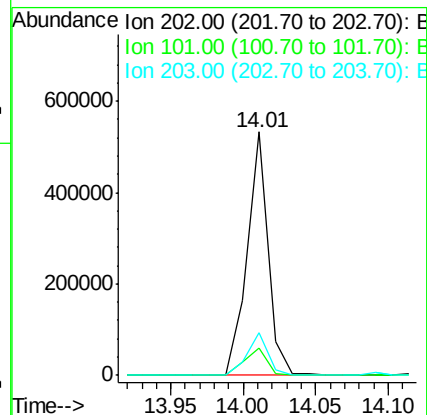
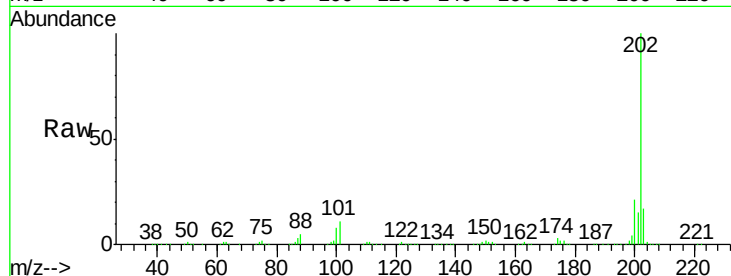
ClientSampled :

SB-25SDL

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		536186		
101	11.0	0.0	29.3		
203	17.4	0.0	37.6		

Manual Integrations
APPROVED

apatel
6/1/2015 8:48:17 PM



#75

Chrysene-d12

Concen: 20.00 ng

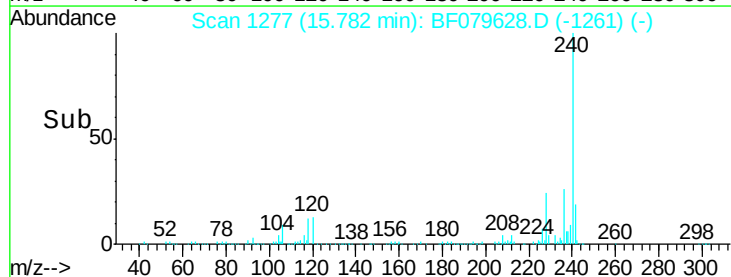
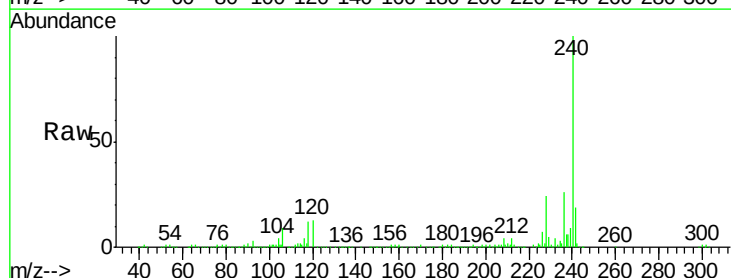
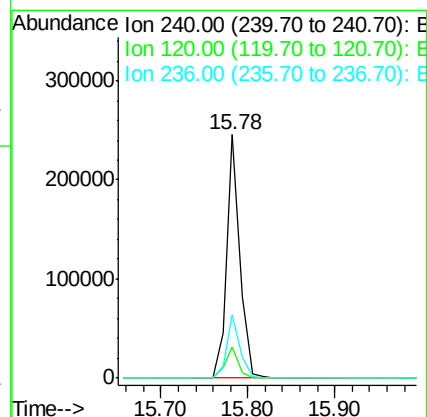
RT: 15.78 min Scan# 1277

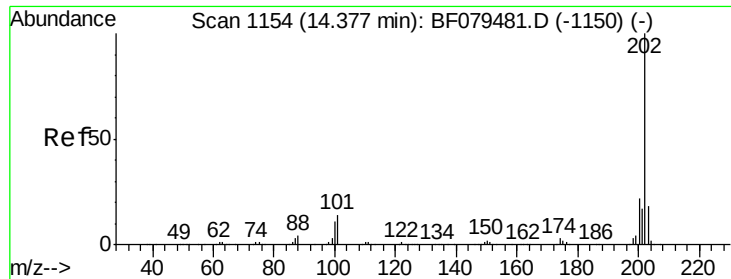
Delta R.T. -0.01 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		262491		
120	12.6	10.8	16.2		
236	26.1	21.0	31.6		





#77

Pyrene

Concen: 26.79 ng

RT: 14.29 min Scan# 1146

Delta R.T. -0.00 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

Instrument :

BNA_F

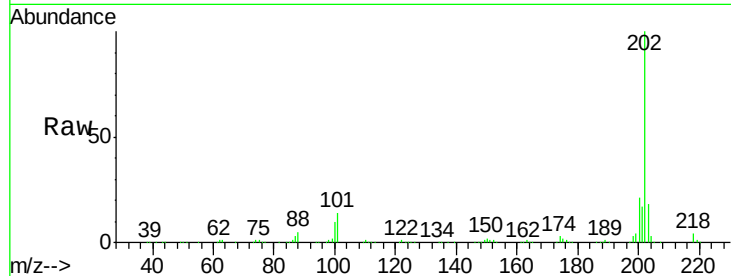
ClientSampleId :

SB-25SDL

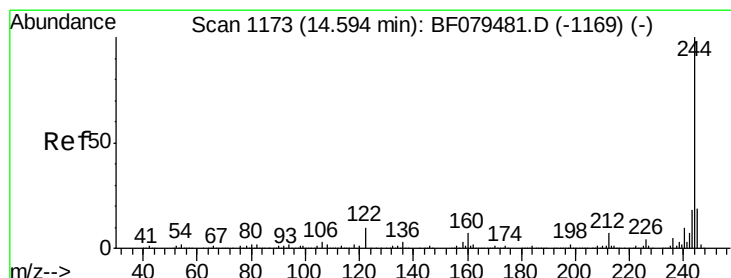
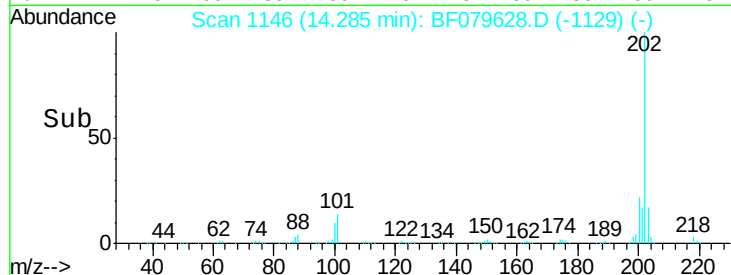
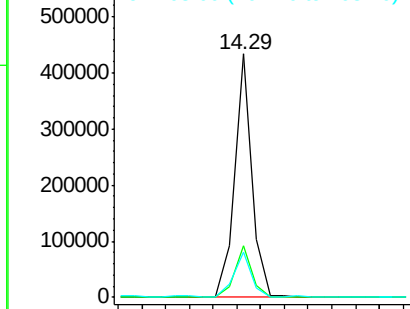
Tgt	Ion:202	Resp:	435649
Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.5	26.3
203	18.5	14.4	21.6

Manual Integrations
APPROVED

apatel
6/1/2015 8:48:17 PM



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: 14.10 ng

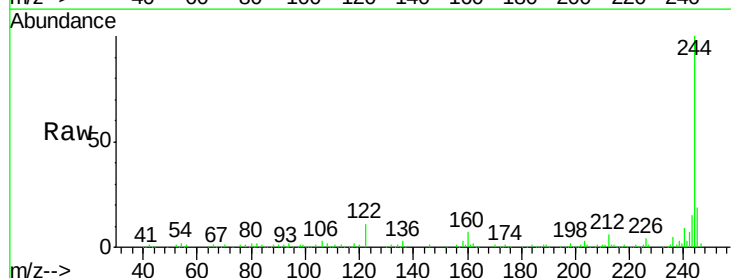
RT: 14.50 min Scan# 1165

Delta R.T. -0.00 min

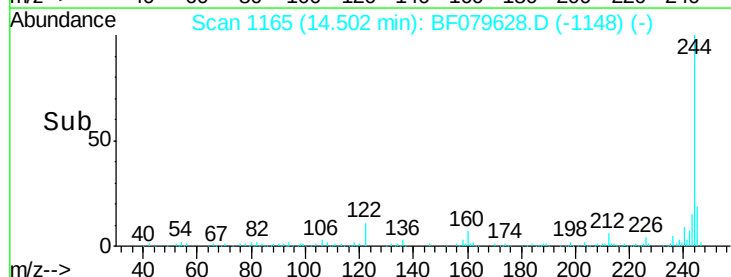
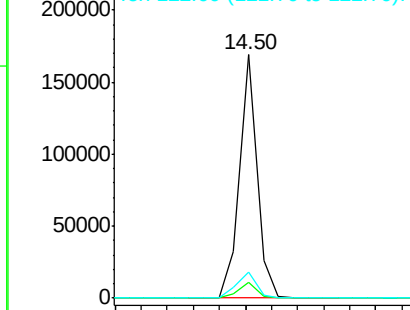
Lab File: BF079628.D

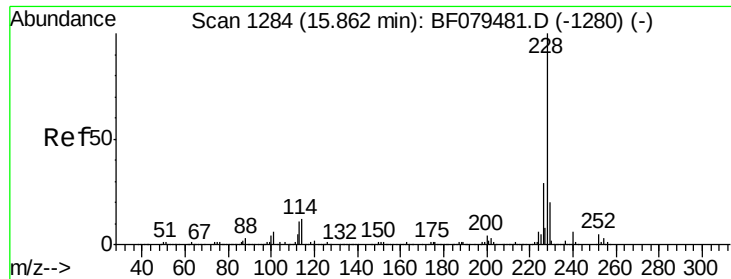
Acq: 31 May 2015 5:48

Tgt	Ion:244	Resp:	157720
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.6	8.0	12.0



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





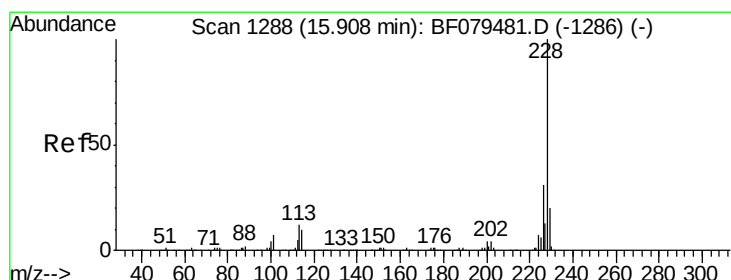
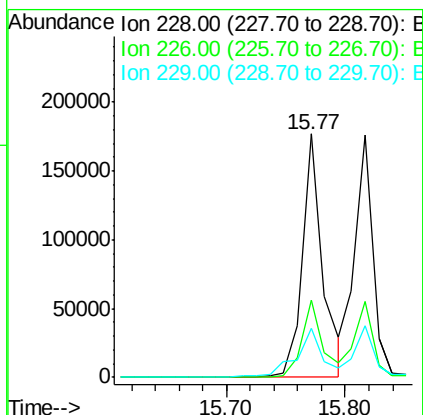
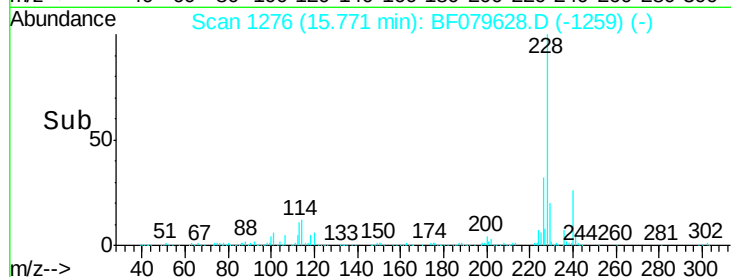
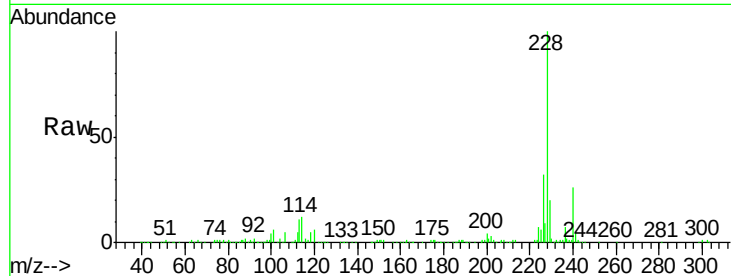
#80
Benzo(a)anthracene
Concen: 14.01 ng
RT: 15.77 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BF079628.D
Acq: 31 May 2015 5:48

Instrument :
BNA_F
ClientSampleId :
SB-25SDL

Tgt Ion:	228	Resp:	211526
Ion Ratio	Lower	Upper	
228	100		
226	31.8	22.8	34.2
229	20.2	15.9	23.9

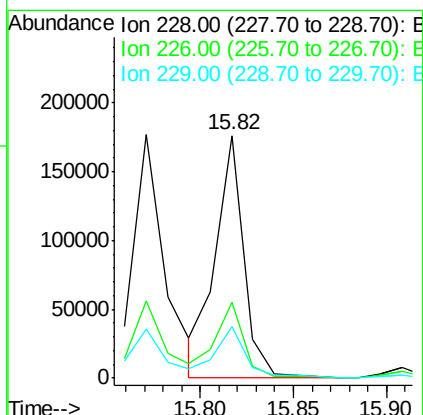
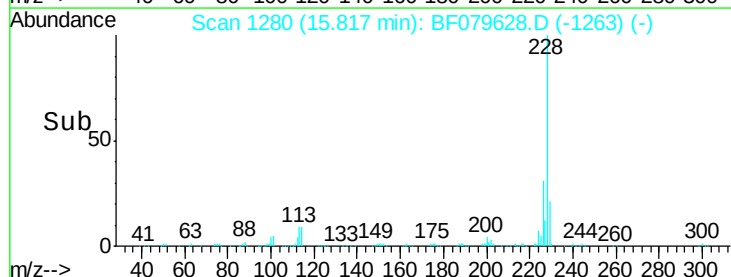
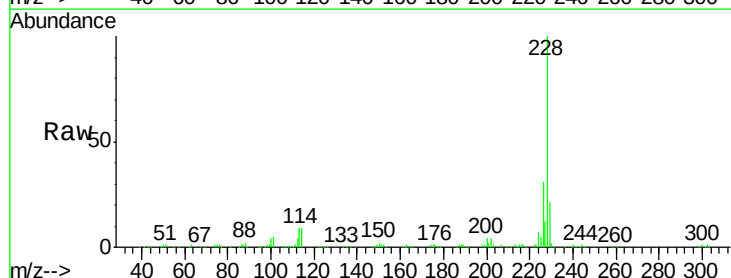
Manual Integrations
APPROVED

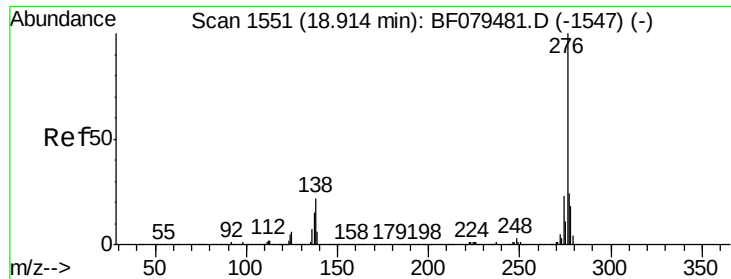
apatel
6/1/2015 8:48:17 PM



#82
Chrysene
Concen: 12.89 ng
RT: 15.82 min Scan# 1280
Delta R.T. -0.00 min
Lab File: BF079628.D
Acq: 31 May 2015 5:48

Tgt Ion:	228	Resp:	184988
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.4
229	21.4	15.9	23.9





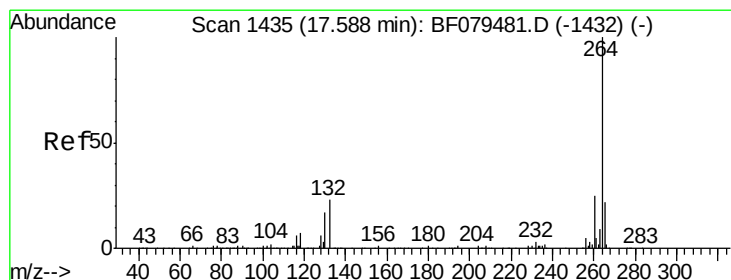
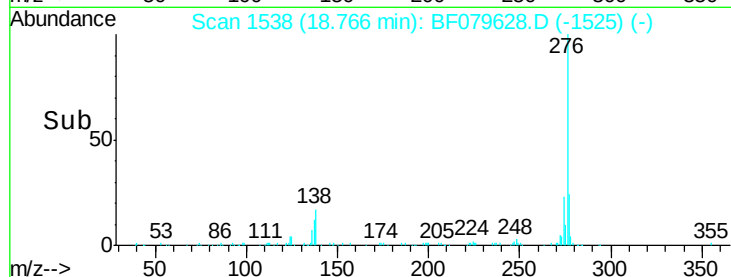
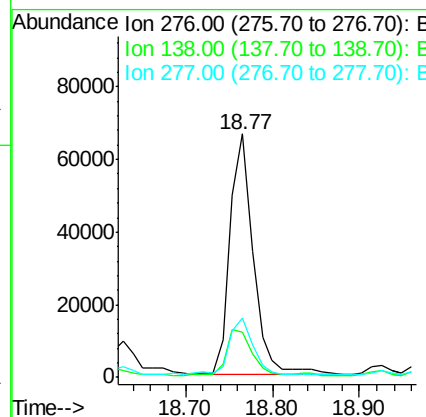
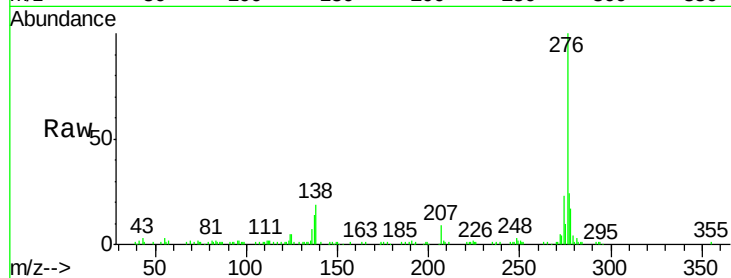
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.74 ng
 RT: 18.77 min Scan# 1538
 Delta R.T. -0.05 min
 Lab File: BF079628.D
 Acq: 31 May 2015 5:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-25SDL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	21.4	32.2#
277	23.8	19.8	29.6

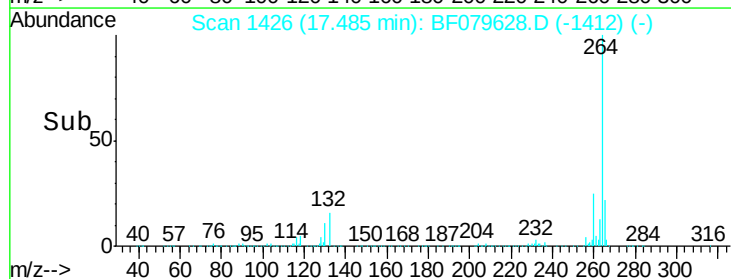
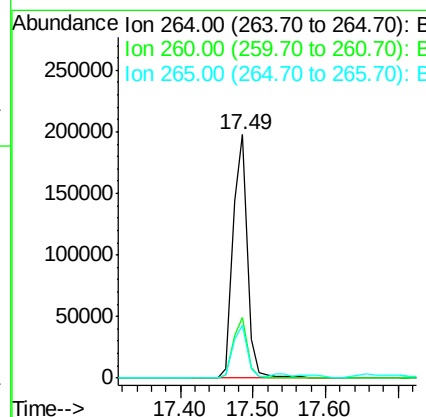
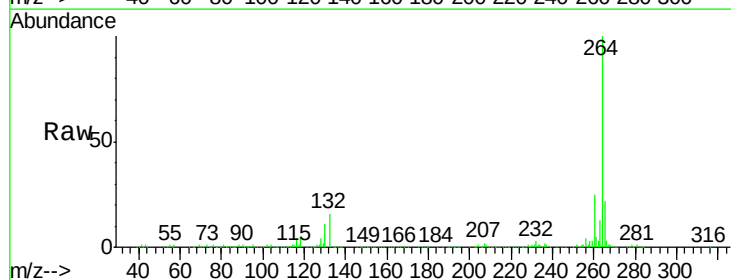
Manual Integrations
 APPROVED

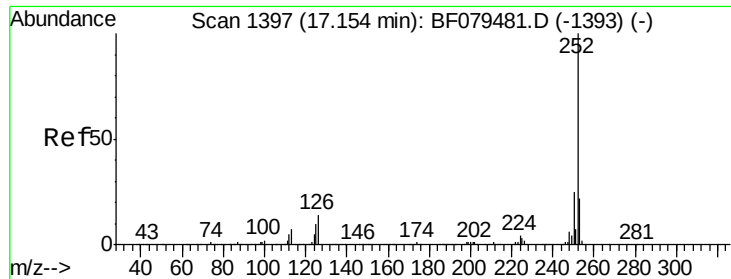
apatel
 6/1/2015 8:48:17 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.49 min Scan# 1426
 Delta R.T. -0.03 min
 Lab File: BF079628.D
 Acq: 31 May 2015 5:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.8	29.8
265	21.9	17.8	26.6





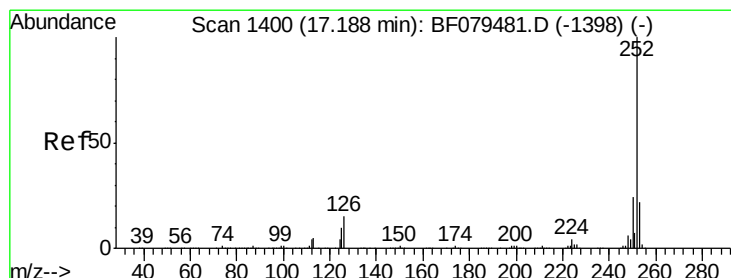
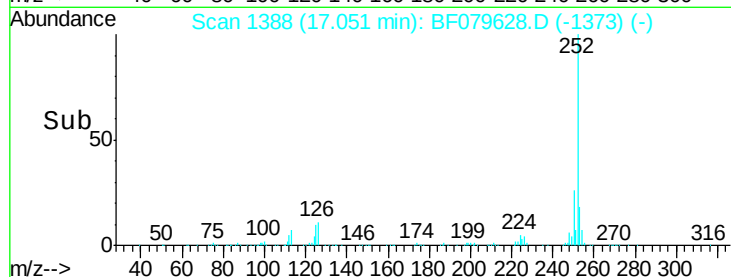
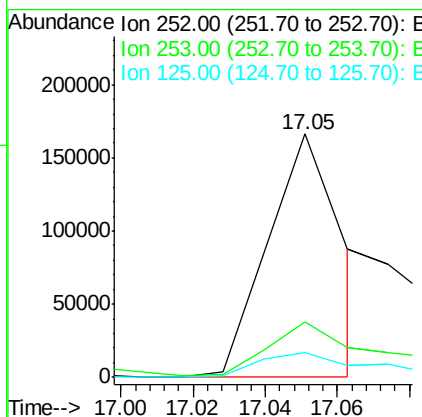
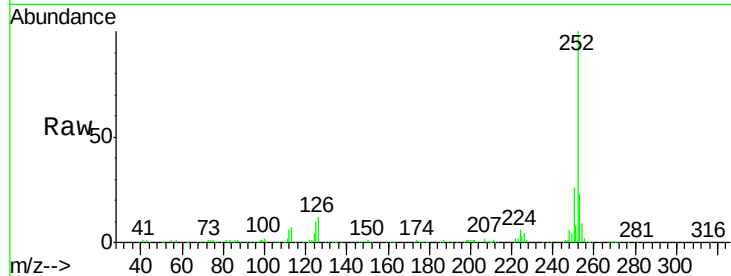
#87
Benzo(b)fluoranthene
Concen: 15.20 ng m
RT: 17.05 min Scan# 1388
Delta R.T. -0.02 min
Lab File: BF079628.D
Acq: 31 May 2015 5:48

Instrument :
BNA_F
ClientSampleId :
SB-25SDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	9.9	7.8	11.6

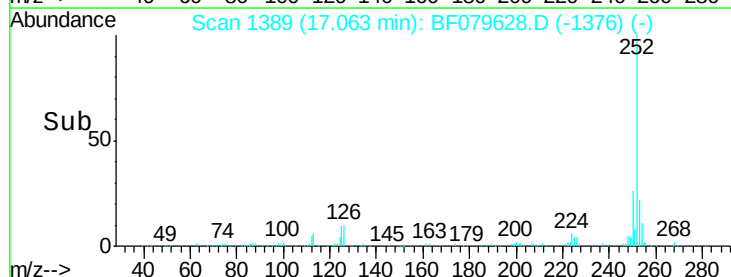
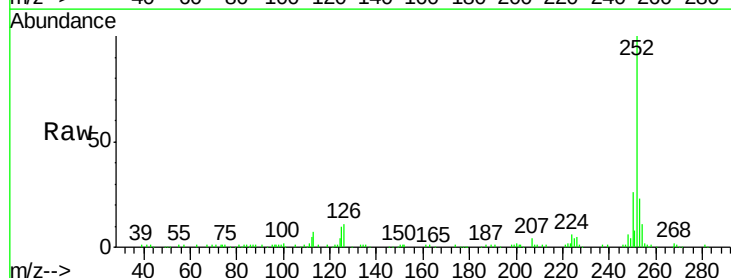
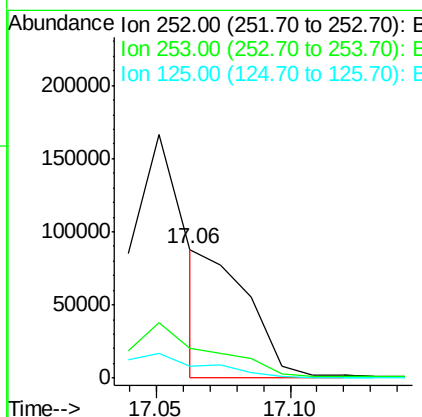
Manual Integrations
APPROVED

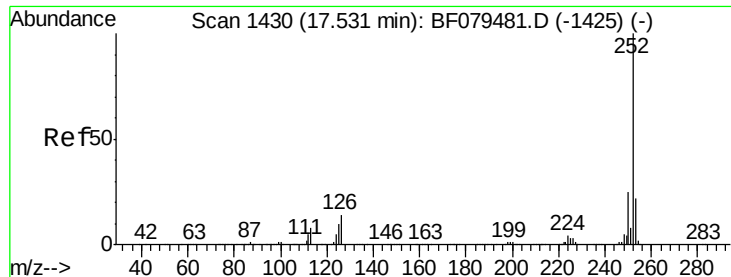
apatel
6/1/2015 8:48:17 PM



#88
Benzo(k)fluoranthene
Concen: 7.19 ng m
RT: 17.06 min Scan# 1389
Delta R.T. -0.05 min
Lab File: BF079628.D
Acq: 31 May 2015 5:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	9.7	6.8	10.2





#89

Benzo(a)pyrene

Concen: 10.87 ng

RT: 17.42 min Scan# 1420

Delta R.T. -0.03 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

Instrument :

BNA_F

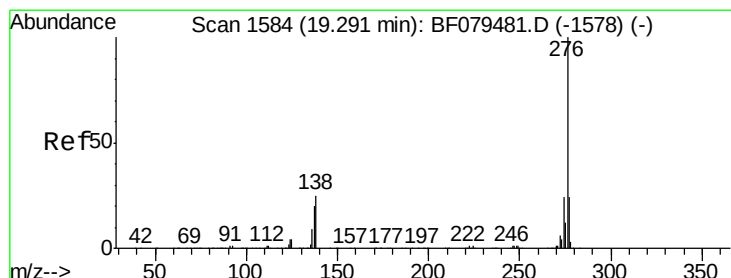
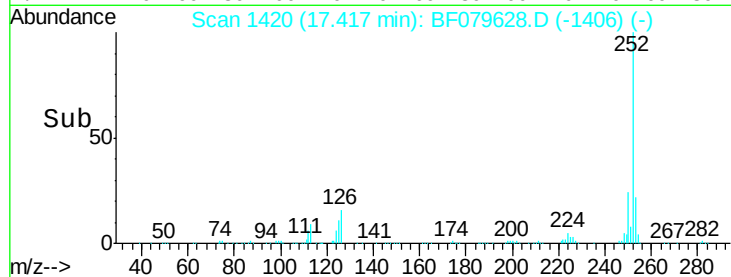
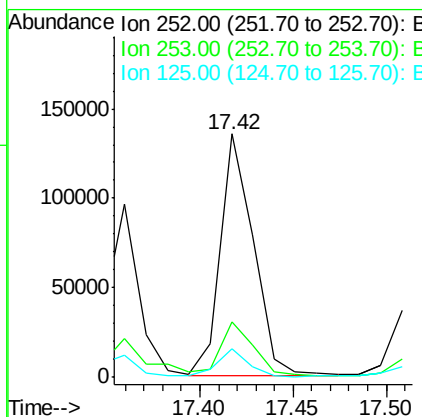
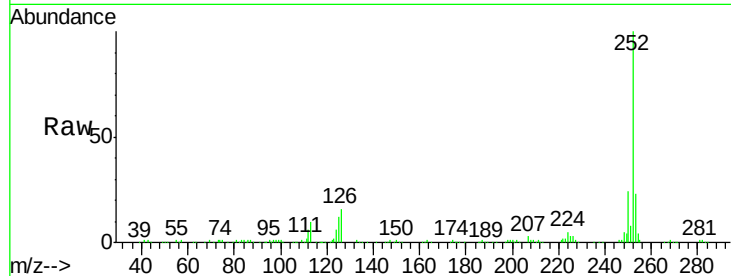
ClientSampleId :

SB-25SDL

Tgt Ion:	252	Resp:	167534
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.8
125	11.6	7.9	11.9

Manual Integrations
APPROVED

apatel
6/1/2015 8:48:17 PM



#91

Benzo(g,h,i)perylene

Concen: 5.66 ng

RT: 19.13 min Scan# 1570

Delta R.T. -0.06 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

Tgt Ion:	276	Resp:	113857
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.1	28.7
138	23.7	20.1	30.1

