

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
 Data File : BF079527.D
 Acq On : 27 May 2015 19:29
 Operator : TP/IZ
 Sample : G2387-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-15-SS

Manual Integrations
 APPROVED

apatel
 5/28/2015 12:03:49 PM

Quant Time: May 28 01:29:23 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 00:48:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	67435	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	286508	20.00	ng	0.00
38) Acenaphthene-d10	10.74	164	140559	20.00	ng	0.00
63) Phenanthrene-d10	12.58	188	259325	20.00	ng	0.00
75) Chrysene-d12	15.86	240	277594	20.00	ng	-0.08
86) Perylene-d12	17.55	264	290283	20.00	ng	-0.33
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	579422m	149.03	ng	0.00
7) Phenol-d6	6.59	99	750796m	151.50	ng	0.00
23) Nitrobenzene-d5	7.70	82	463698	93.56	ng	0.00
41) 2,4,6-Tribromophenol	11.72	330	218627	141.61	ng	-0.01
44) 2-Fluorobiphenyl	9.93	172	919383	93.32	ng	0.00
78) Terphenyl-d14	14.58	244	996155	84.22	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	10.57	152	47594	3.31	ng	98
49) Dimethylphthalate	10.43	163	148253	14.31	ng	99
70) Phenanthrene	12.61	178	124795	8.77	ng	99
71) Anthracene	12.67	178	57657	3.99	ng	99
74) Fluoranthene	14.08	202	295882	19.39	ng	96
77) Pyrene	14.35	202	265115	15.42	ng	97
80) Benzo(a)anthracene	15.85	228	174969	10.96	ng	96
82) Chrysene	15.89	228	165313	10.89	ng	97
85) Indeno(1,2,3-cd)pyrene	18.87	276	148049m	7.58	ng	
87) Benzo(b)fluoranthene	17.12	252	296015m	17.88	ng	
88) Benzo(k)fluoranthene	17.15	252	92874m	6.27	ng	
89) Benzo(a)pyrene	17.50	252	177774	10.78	ng	98
91) Benzo(g,h,i)perylene	19.25	276	139645	7.05	ng	98

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

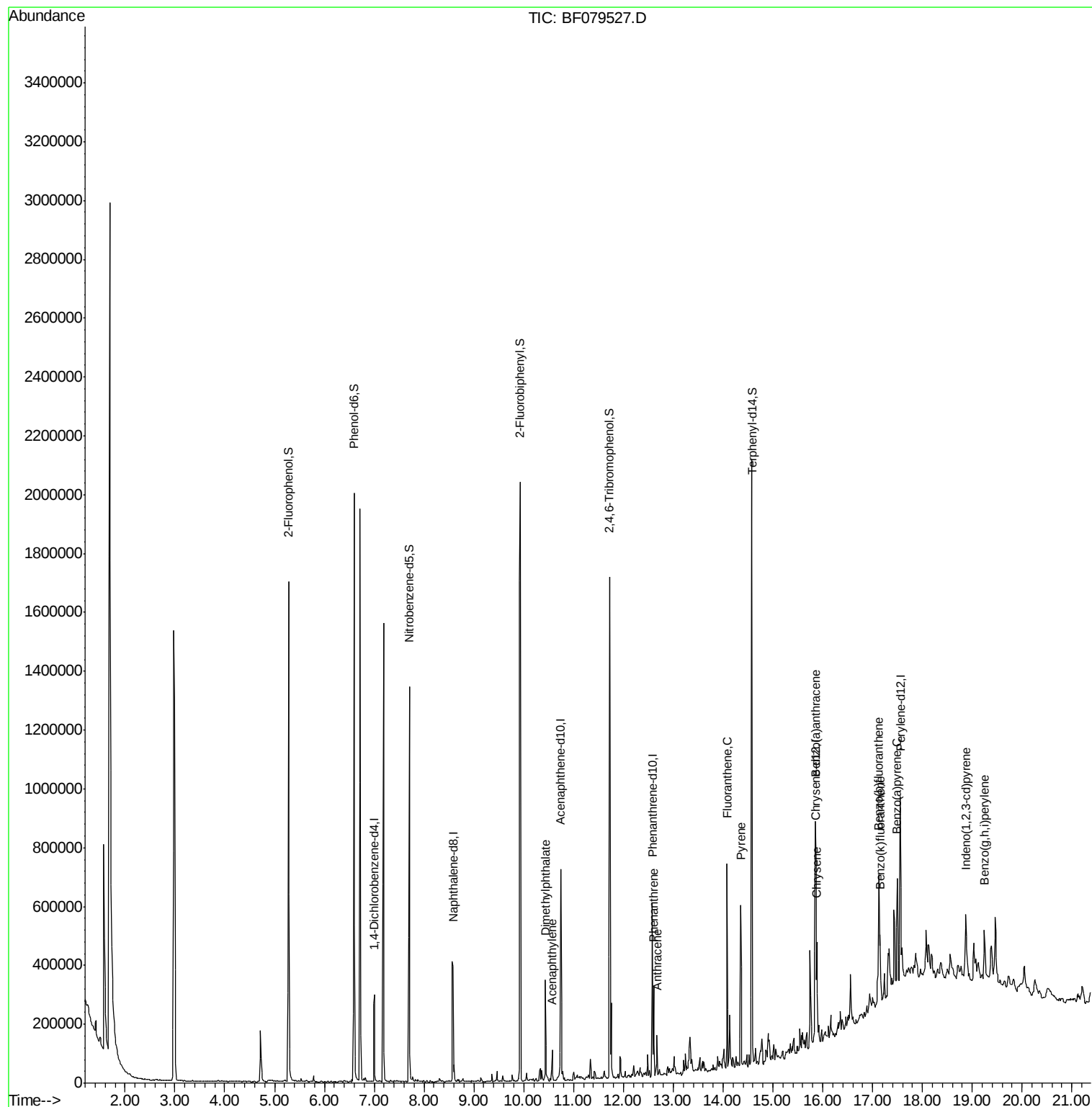
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
Data File : BF079527.D
Acq On : 27 May 2015 19:29
Operator : TP/IZ
Sample : G2387-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

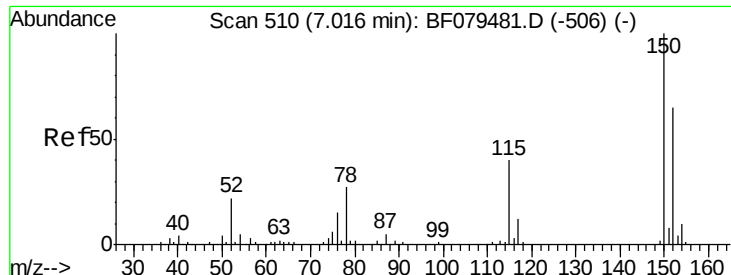
Instrument :
BNA_F
ClientSampleId :
TP-15-SS

Manual Integrations
APPROVED

apatel
5/28/2015 12:03:49 PM

Quant Time: May 28 01:29:23 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 28 00:48:25 2015
Response via : Initial Calibration





#1

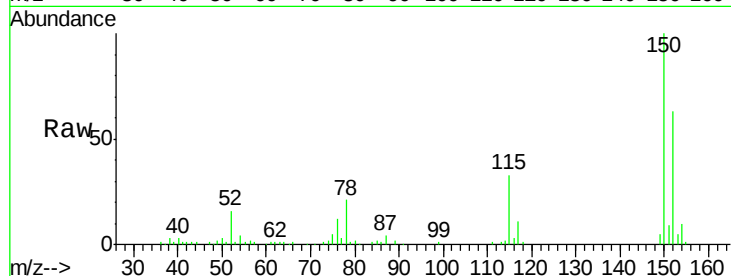
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 509
Delta R.T. -0.00 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

Instrument :
BNA_F
ClientSampleId :
TP-15-SS

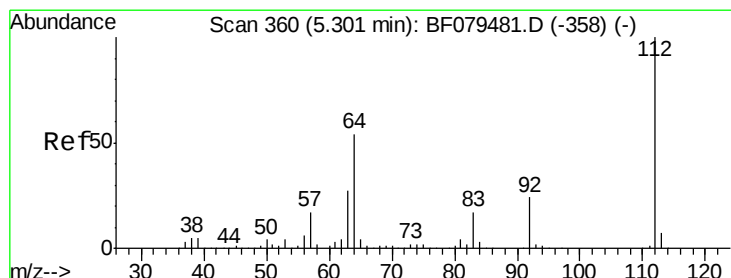
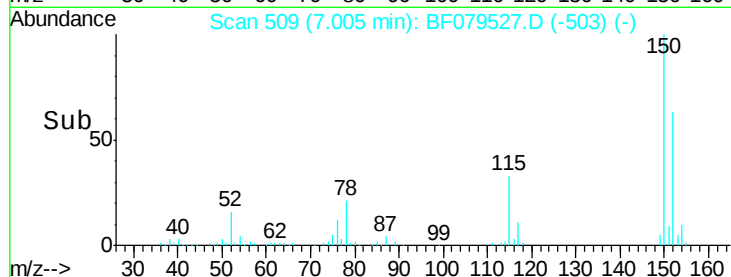
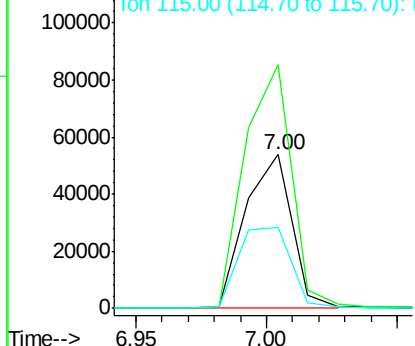
Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.0	186.0
115	52.7	49.6	74.4

Manual Integrations
APPROVED

apatel
5/28/2015 12:03:49 PM



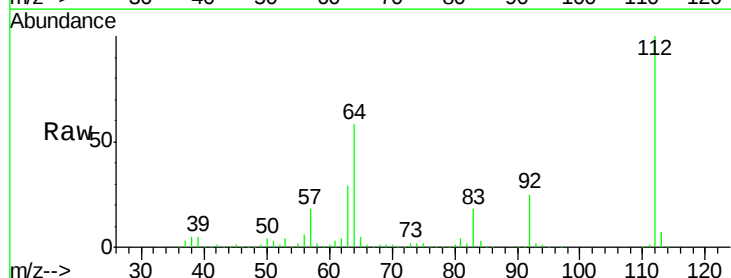
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



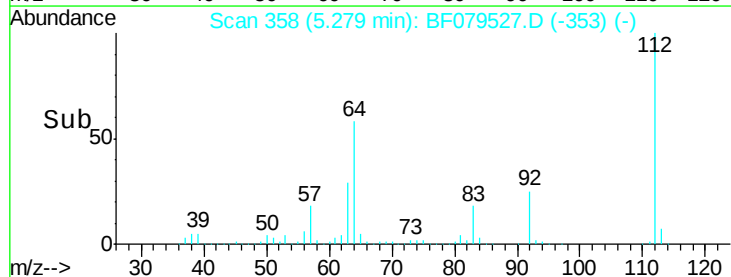
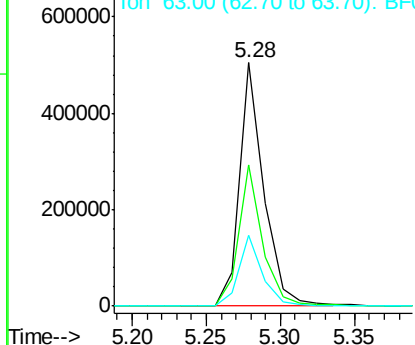
#5

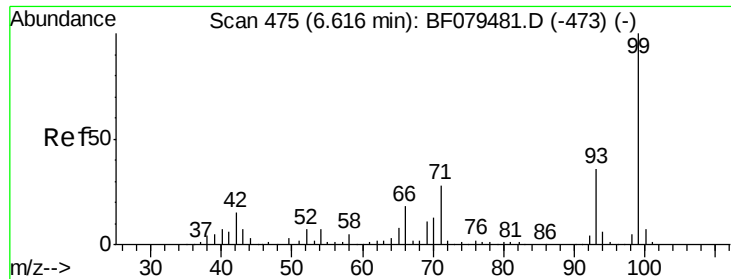
2-Fluorophenol
Concen: 149.03 ng m
RT: 5.28 min Scan# 358
Delta R.T. -0.00 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	43.5	65.3
63	29.1	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: 151.50 ng m

RT: 6.59 min Scan# 473

Delta R.T. -0.00 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

Instrument :

BNA_F

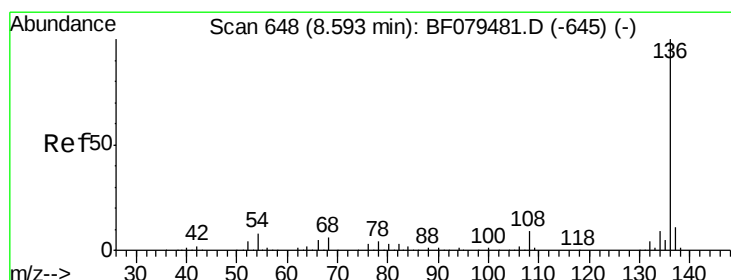
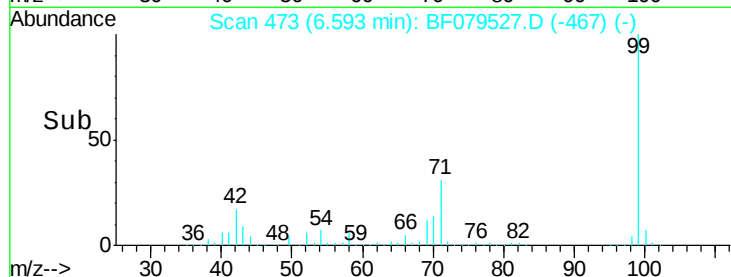
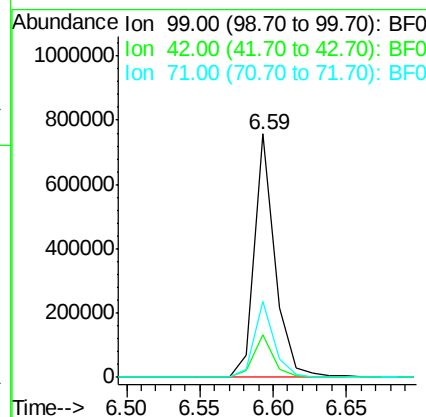
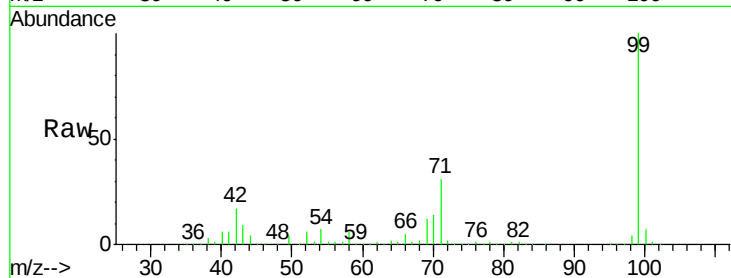
ClientSampled :

TP-15-SS

Tgt Ion:	99	Resp:	750796
Ion Ratio	Lower	Upper	
99	100		
42	17.3	11.9	17.9
71	31.4	22.1	33.1

Manual Integrations
APPROVED

apatel
5/28/2015 12:03:49 PM



#21

Naphthalene-d8

Concen: 20.00 ng

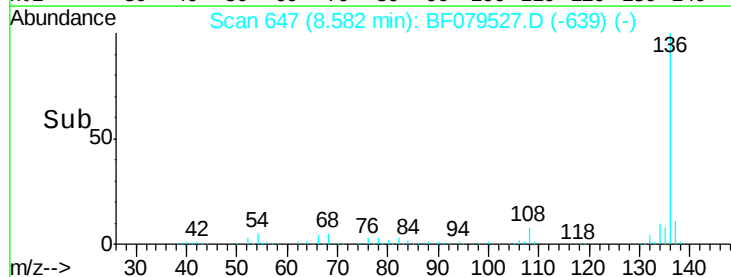
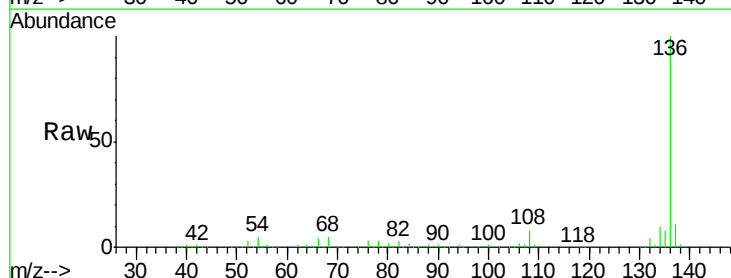
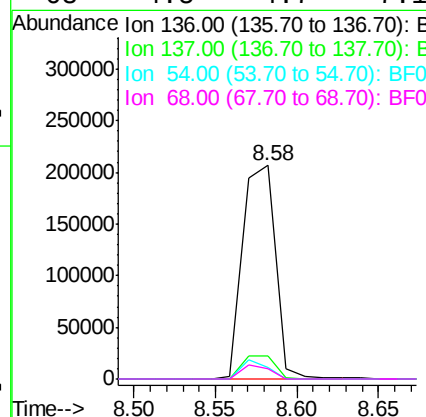
RT: 8.58 min Scan# 647

Delta R.T. -0.00 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

Tgt Ion:	136	Resp:	286508
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	5.5	6.6	9.8#
68	4.5	4.7	7.1#





#23

Nitrobenzene-d5

Concen: 93.56 ng

RT: 7.70 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

Instrument :

BNA_F

ClientSampleId :

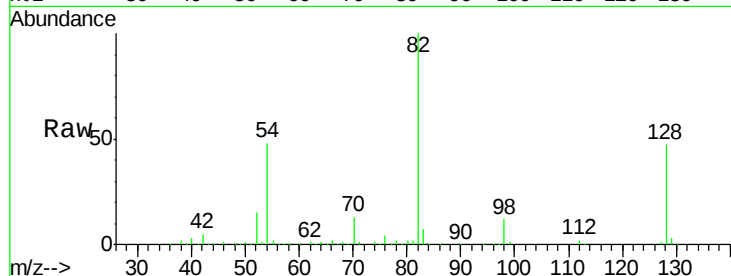
TP-15-SS

Tgt Ion: 82 Resp: 463698
Ion Ratio Lower Upper

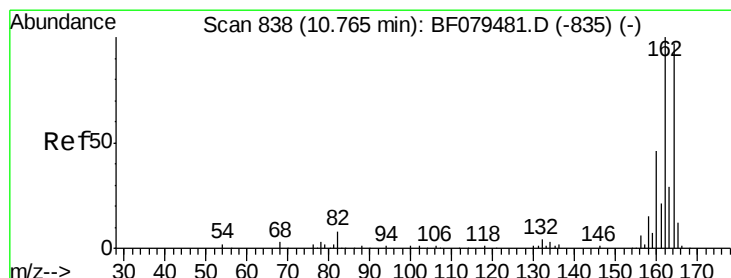
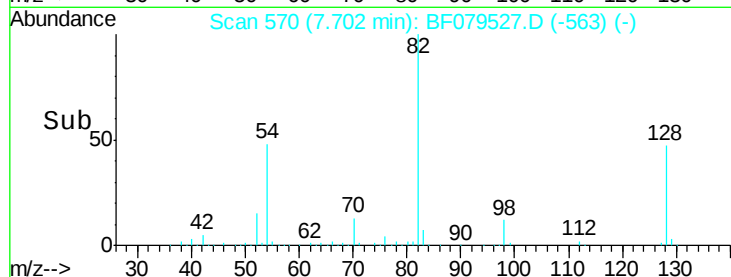
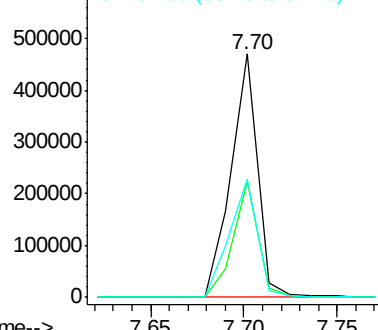
82	100		
128	47.4	30.8	46.2#
54	48.3	42.8	64.2

Manual Integrations
APPROVED

apatel
5/28/2015 12:03:49 PM



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.74 min Scan# 836

Delta R.T. -0.00 min

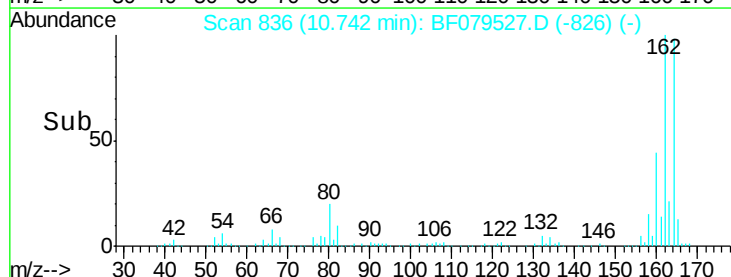
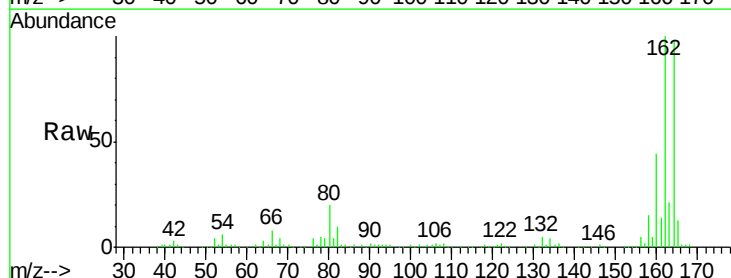
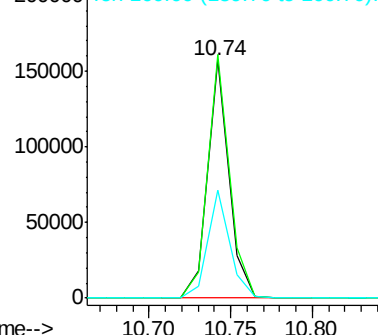
Lab File: BF079527.D

Acq: 27 May 2015 19:29

Tgt Ion: 164 Resp: 140559
Ion Ratio Lower Upper

164	100		
162	102.2	82.6	124.0
160	45.3	37.7	56.5

Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B





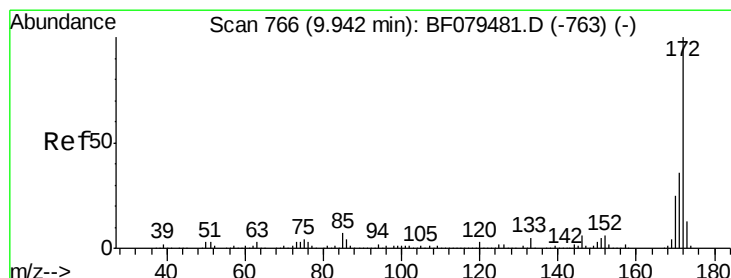
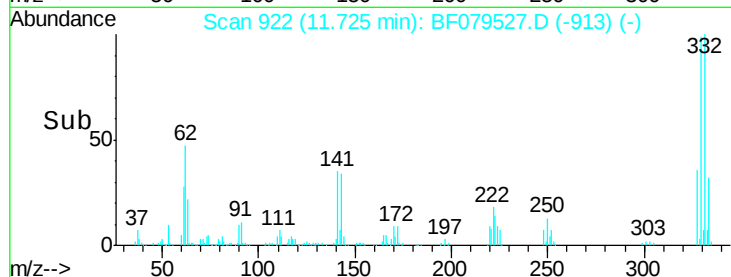
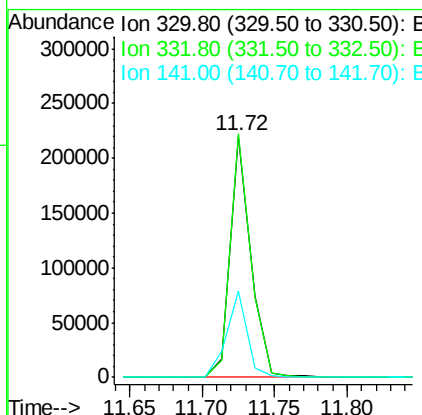
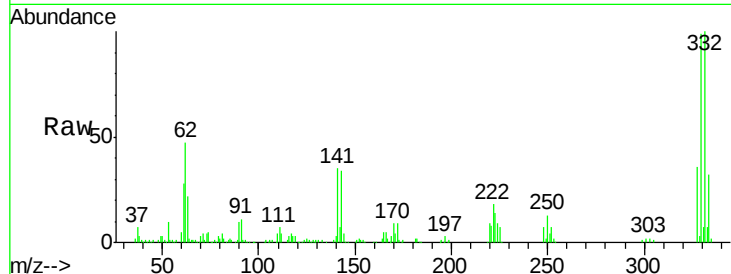
#41
 2,4,6-Tribromophenol
 Concen: 141.61 ng
 RT: 11.72 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF079527.D
 Acq: 27 May 2015 19:29

Instrument :
 BNA_F
 ClientSampleId :
 TP-15-SS

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	218627		
332	100.3	0.0	0.0	0.0#
141	36.3	0.0	0.0	0.0#

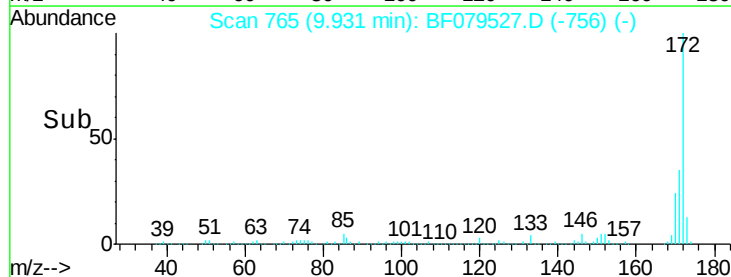
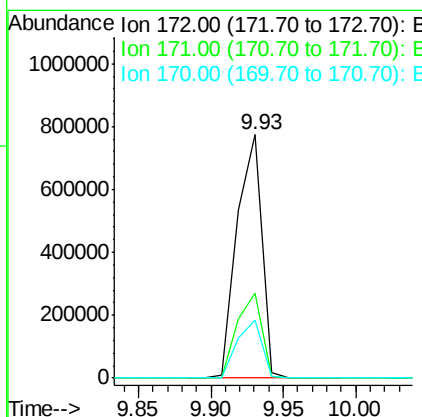
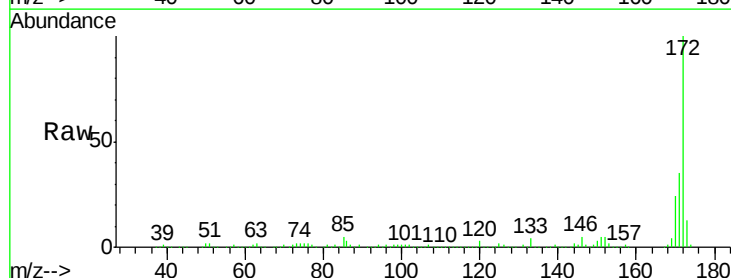
Manual Integrations
 APPROVED

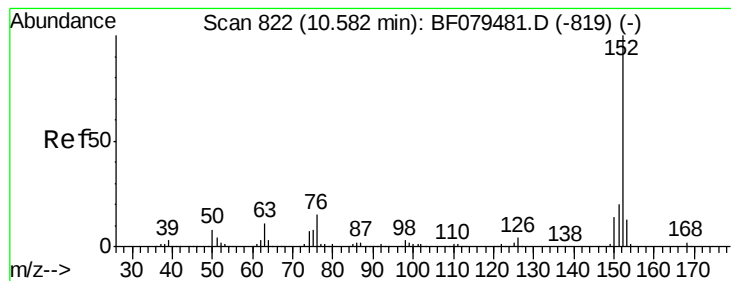
apatel
 5/28/2015 12:03:49 PM



#44
 2-Fluorobiphenyl
 Concen: 93.32 ng
 RT: 9.93 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF079527.D
 Acq: 27 May 2015 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	919383		
171	34.9	28.5	42.7	
170	23.8	19.7	29.5	





#48

Acenaphthylene

Concen: 3.31 ng

RT: 10.57 min Scan# 821

Delta R.T. -0.00 min

Lab File: BF079527.D

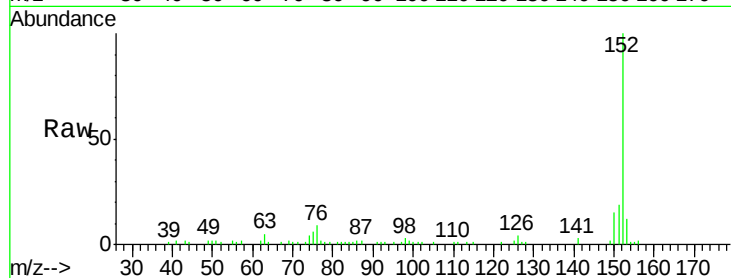
Acq: 27 May 2015 19:29

Instrument :

BNA_F

ClientSampleId :

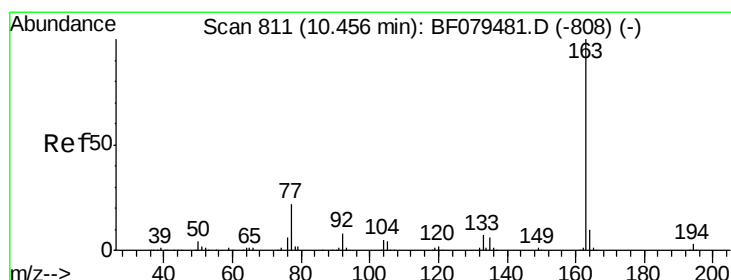
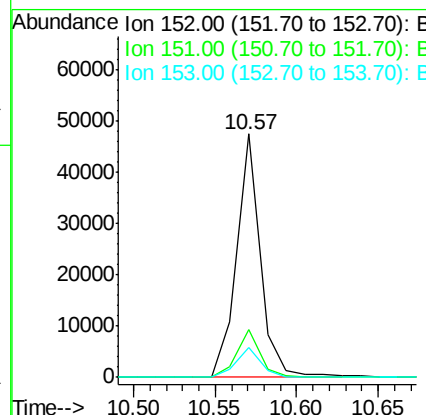
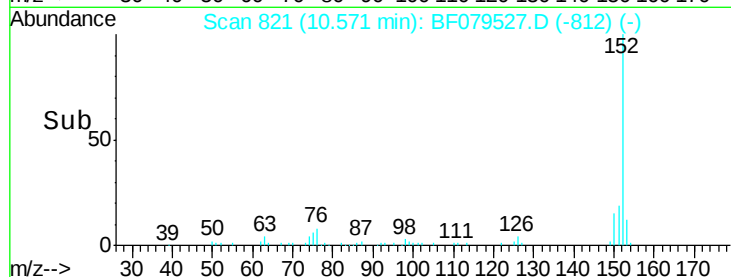
TP-15-SS



Tgt Ion:	152	Resp:	47594
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.8	23.8
153	12.4	10.7	16.1

Manual Integrations
APPROVED

apatel
5/28/2015 12:03:49 PM



#49

Dimethylphthalate

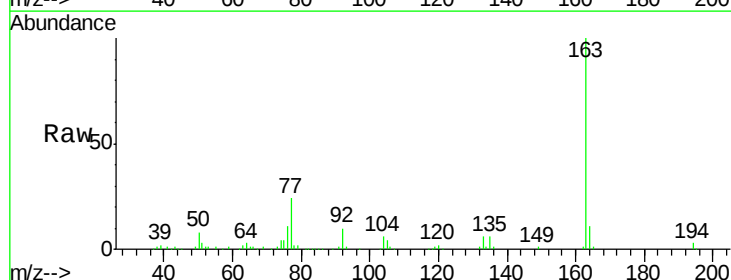
Concen: 14.31 ng

RT: 10.43 min Scan# 809

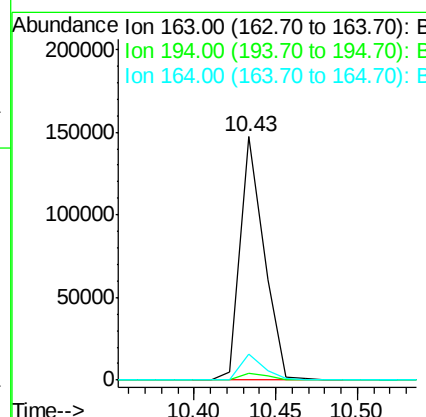
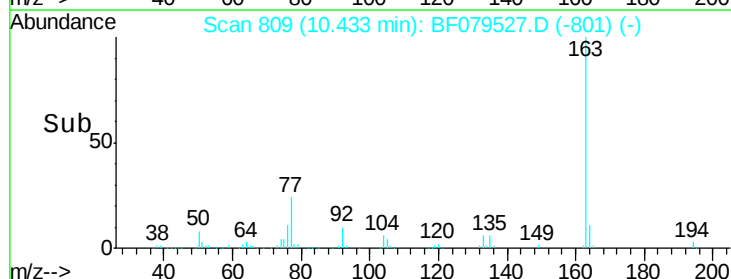
Delta R.T. -0.01 min

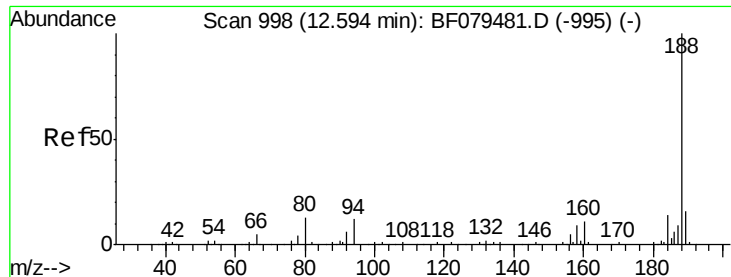
Lab File: BF079527.D

Acq: 27 May 2015 19:29



Tgt Ion:	163	Resp:	148253
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.4	3.6
164	10.5	8.2	12.4





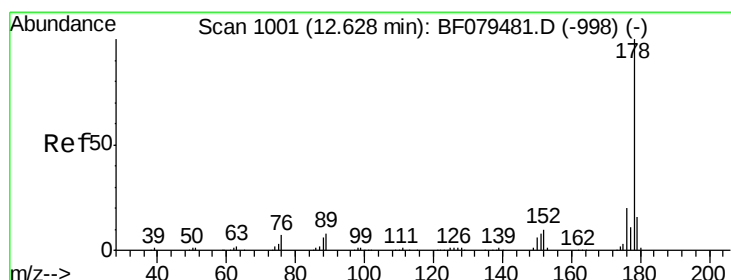
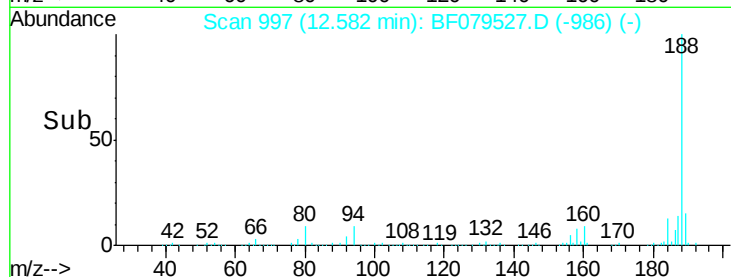
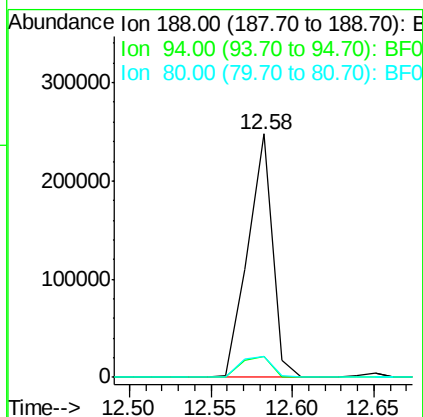
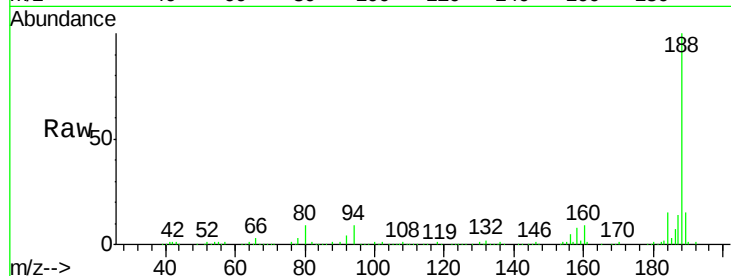
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.58 min Scan# 997
Delta R.T. -0.00 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

Instrument :
BNA_F
ClientSampleId :
TP-15-SS

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.6	9.8	14.6#
80	8.6	10.5	15.7#

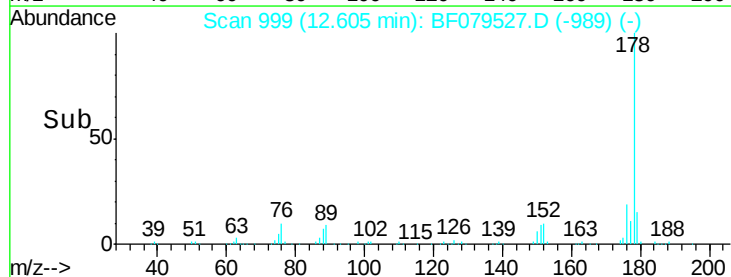
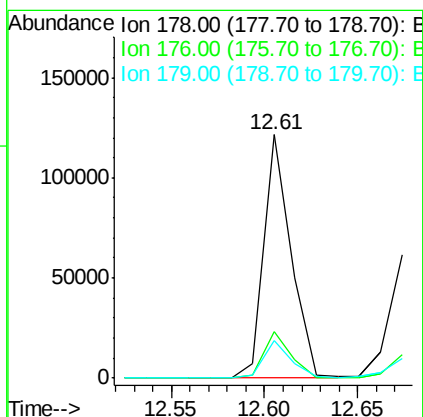
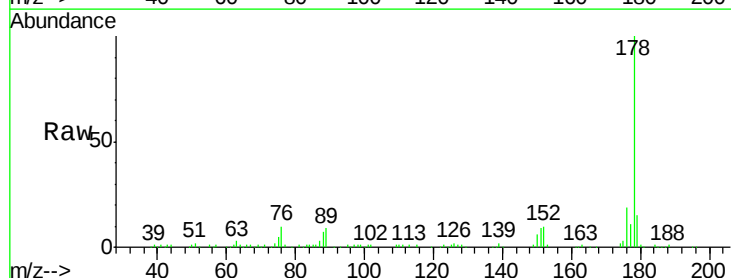
Manual Integrations
APPROVED

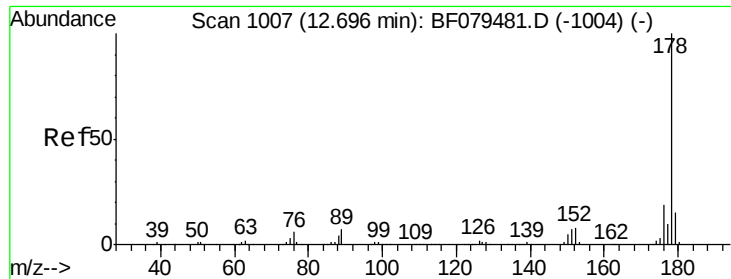
apatel
5/28/2015 12:03:49 PM



#70
Phenanthrene
Concen: 8.77 ng
RT: 12.61 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.3	15.7	23.5
179	15.4	12.4	18.6





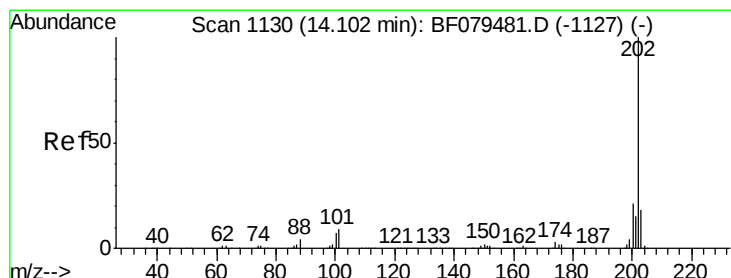
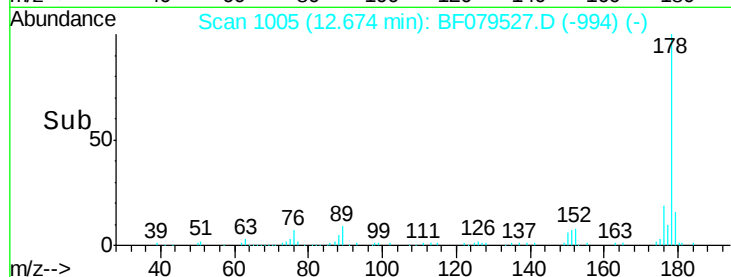
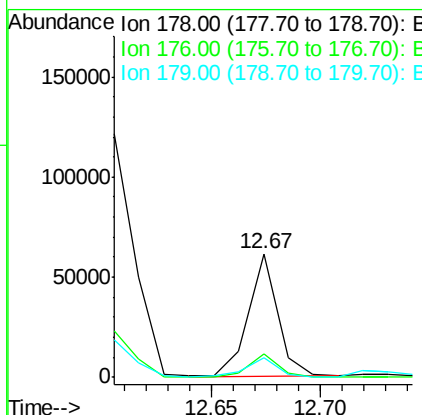
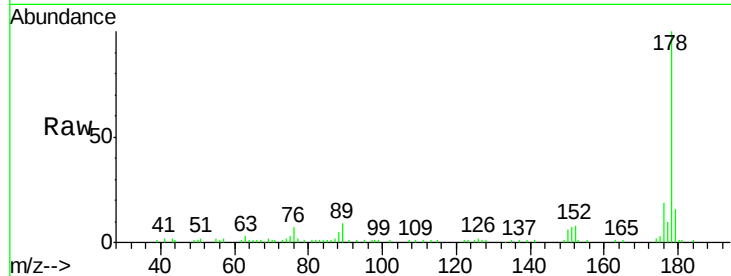
#71
 Anthracene
 Concen: 3.99 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BF079527.D
 Acq: 27 May 2015 19:29

Instrument :
 BNA_F
 ClientSampleId :
 TP-15-SS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.9	12.2	18.4

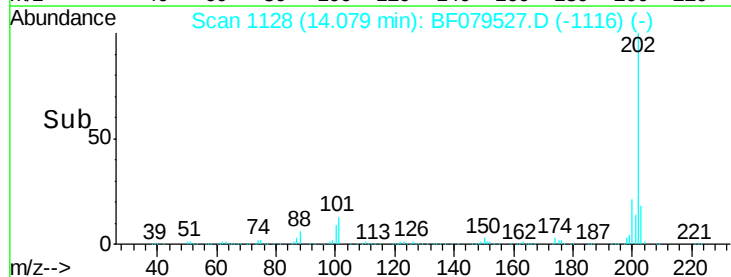
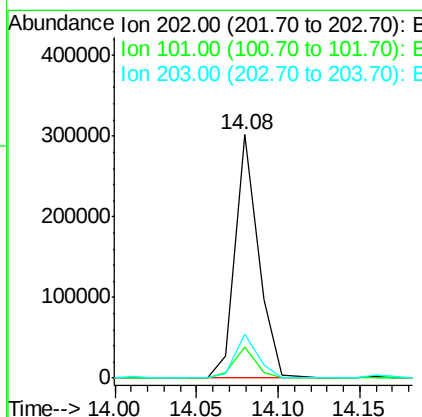
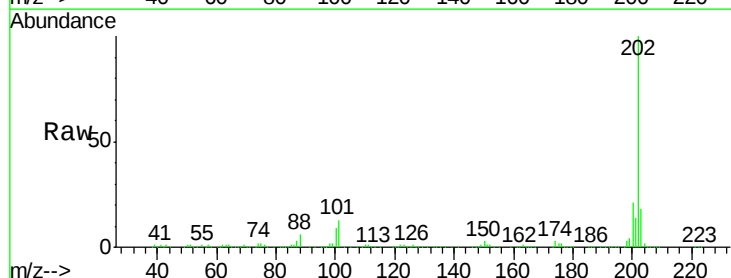
Manual Integrations
 APPROVED

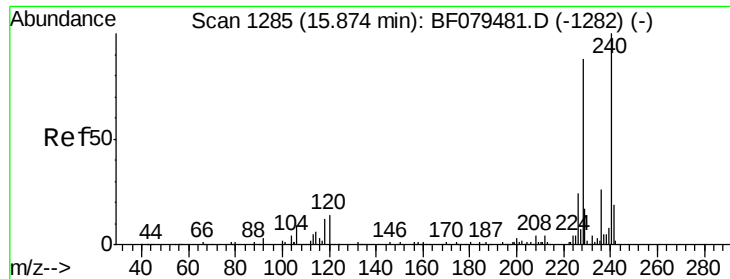
apatel
 5/28/2015 12:03:49 PM



#74
 Fluoranthene
 Concen: 19.39 ng
 RT: 14.08 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF079527.D
 Acq: 27 May 2015 19:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	29.3
203	17.8	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.86 min Scan# 1284

Delta R.T. -0.08 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

Instrument :

BNA_F

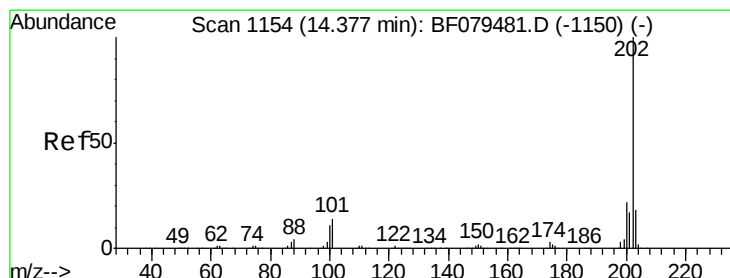
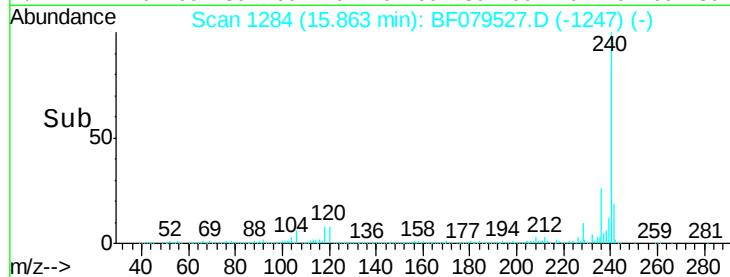
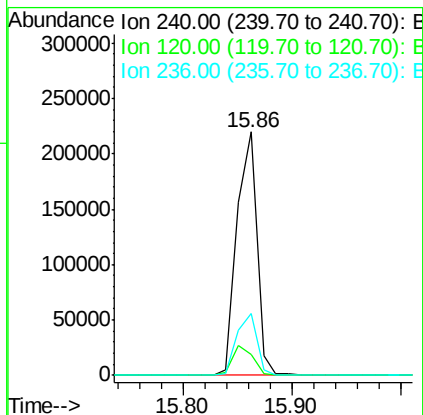
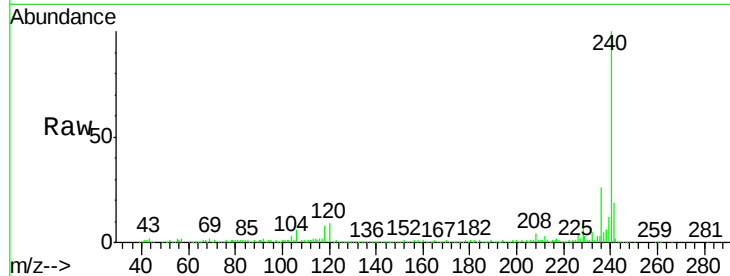
ClientSampleId :

TP-15-SS

Tgt Ion:	240	Resp:	277594
Ion Ratio	Lower	Upper	
240	100		
120	8.6	10.8	16.2#
236	25.6	21.0	31.6

Manual Integrations
APPROVED

apatel
5/28/2015 12:03:49 PM



#77

Pyrene

Concen: 15.42 ng

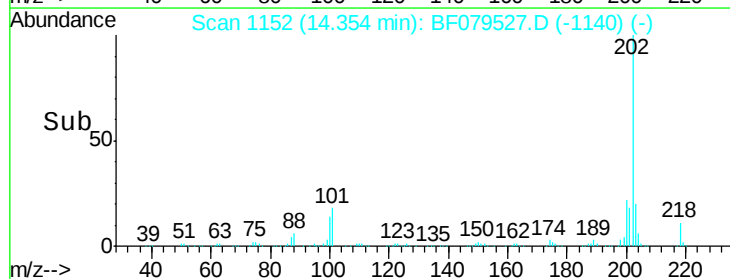
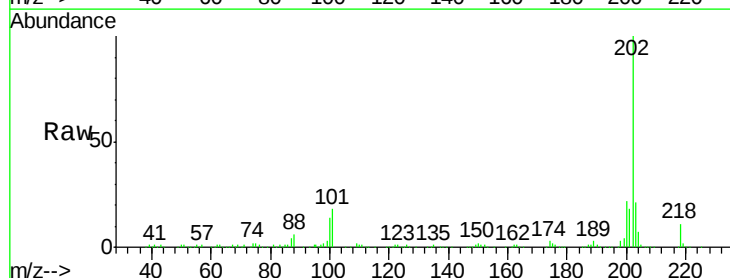
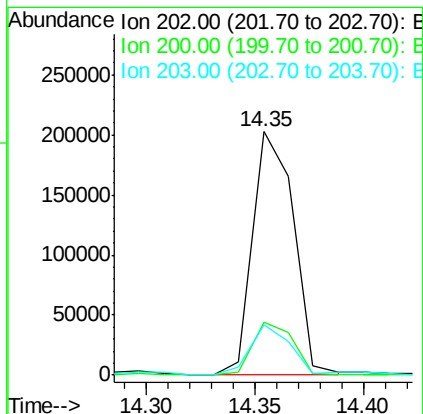
RT: 14.35 min Scan# 1152

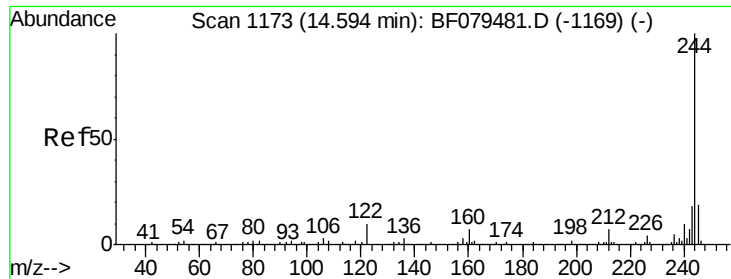
Delta R.T. -0.01 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

Tgt Ion:	202	Resp:	265115
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.5	26.3
203	20.6	14.4	21.6





#78

Terphenyl-d14

Concen: 84.22 ng

RT: 14.58 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF079527.D

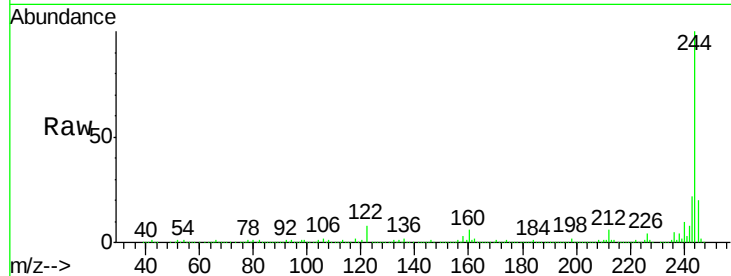
Acq: 27 May 2015 19:29

Instrument :

BNA_F

ClientSampleId :

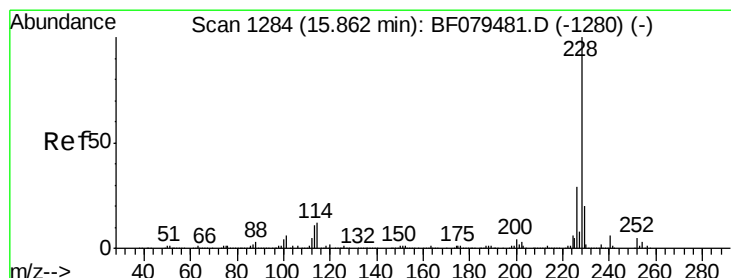
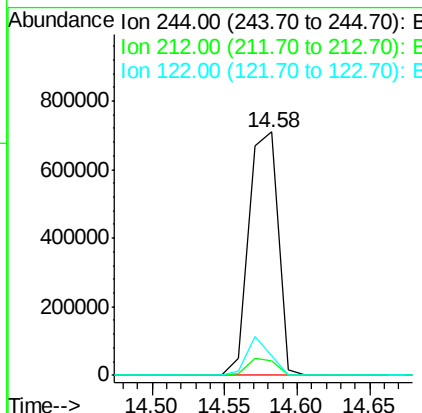
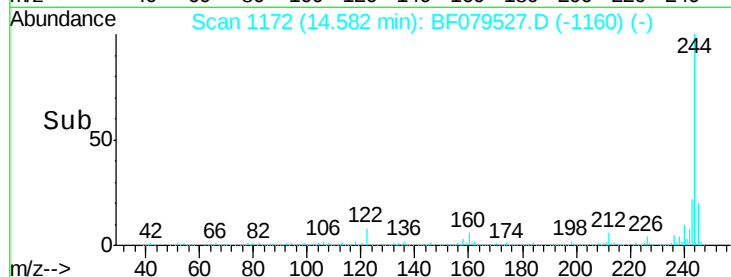
TP-15-SS



Tgt Ion	Ratio	Resp	Lower	Upper
244	100	996155		
212	6.2	5.2	7.8	
122	8.0	8.0	12.0	

Manual Integrations
APPROVED

apatel
5/28/2015 12:03:49 PM



#80

Benzo(a)anthracene

Concen: 10.96 ng

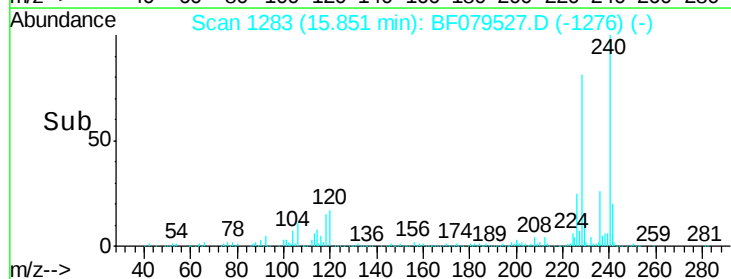
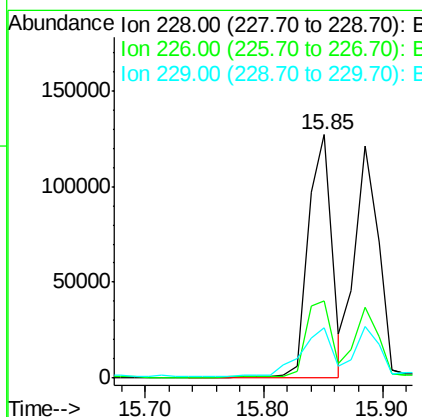
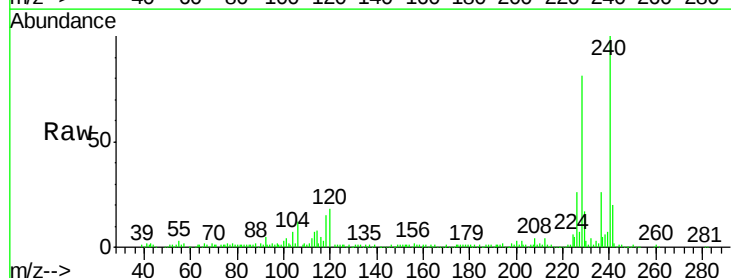
RT: 15.85 min Scan# 1283

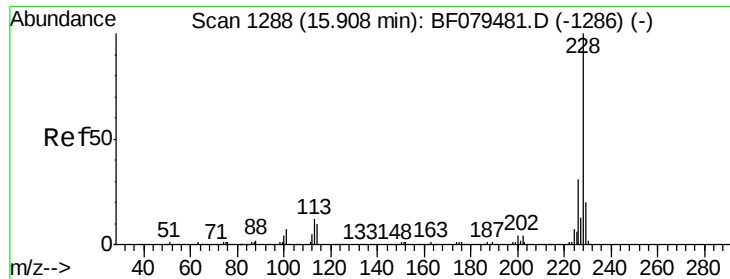
Delta R.T. -0.08 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	174969		
226	31.5	22.8	34.2	
229	20.9	15.9	23.9	





#82

Chrysene

Concen: 10.89 ng

RT: 15.89 min Scan# 1286

Delta R.T. -0.09 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

Instrument :

BNA_F

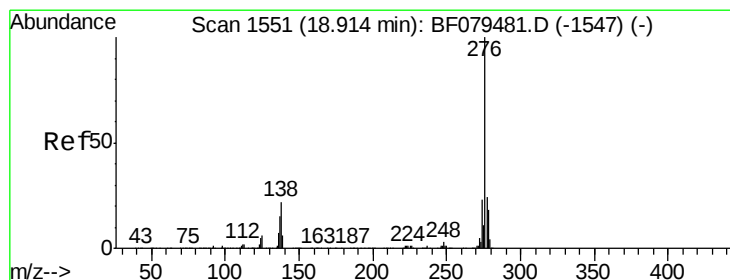
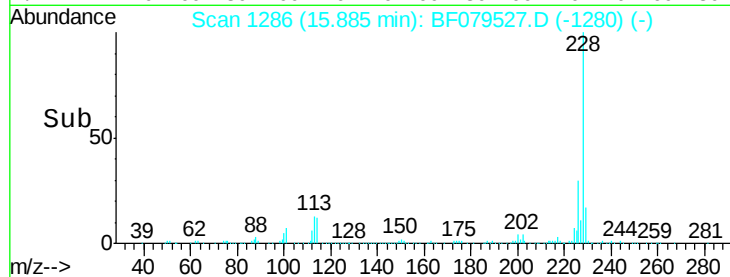
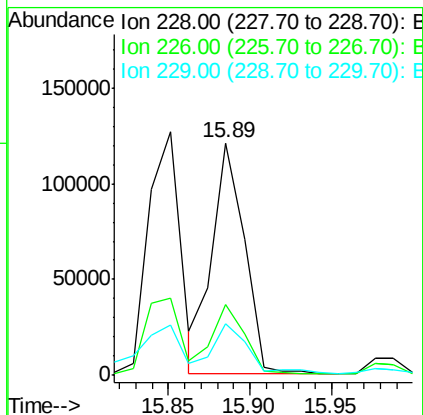
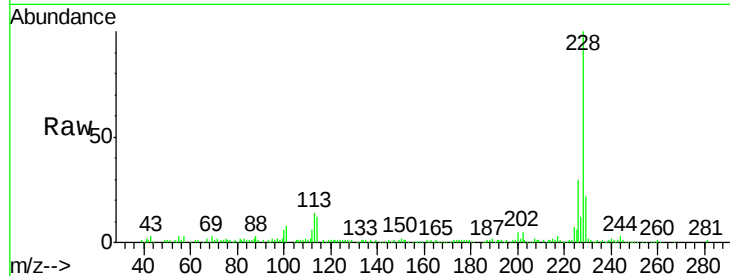
ClientSampleId :

TP-15-SS

Tgt Ion:	228	Resp:	165313
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.4
229	22.1	15.9	23.9

Manual Integrations
APPROVED

apatel
5/28/2015 12:03:49 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.58 ng m

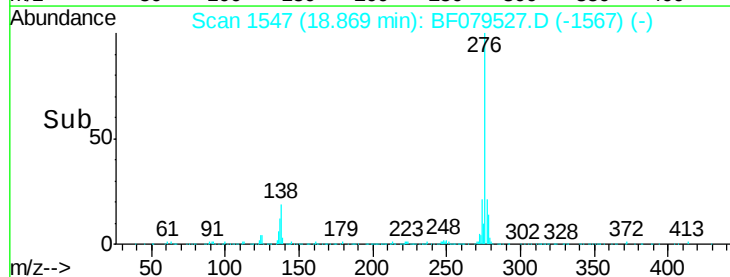
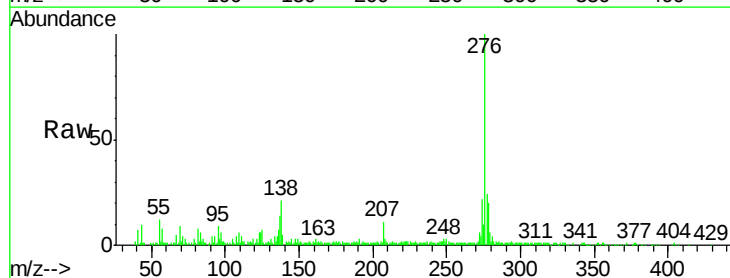
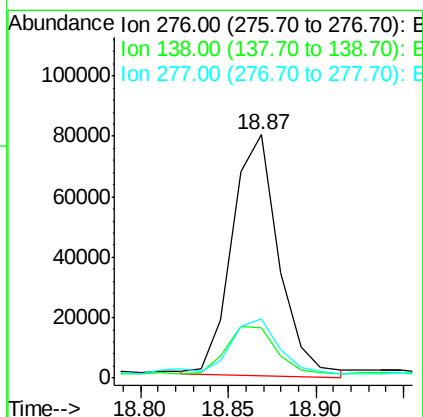
RT: 18.87 min Scan# 1547

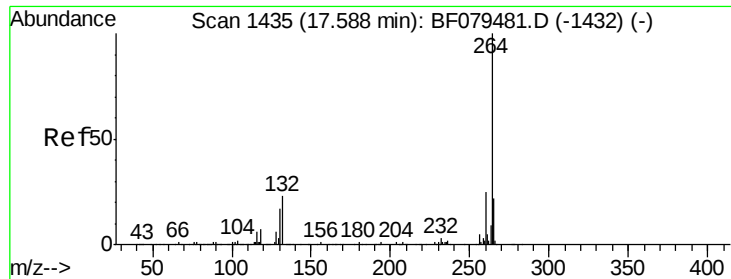
Delta R.T. -0.43 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

Tgt Ion:	276	Resp:	148049
Ion Ratio	Lower	Upper	
276	100		
138	22.2	21.4	32.2
277	23.1	19.8	29.6





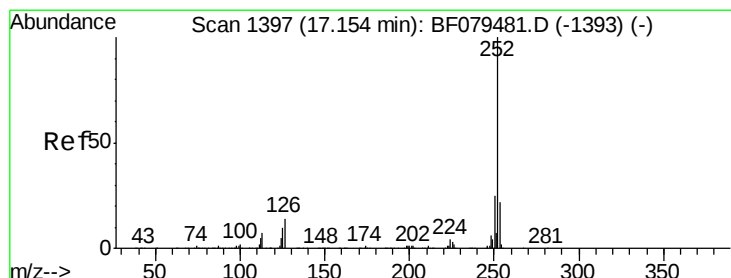
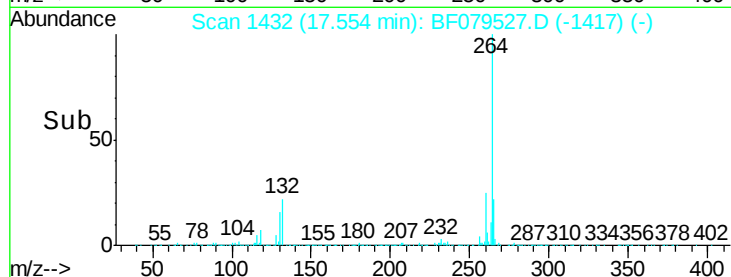
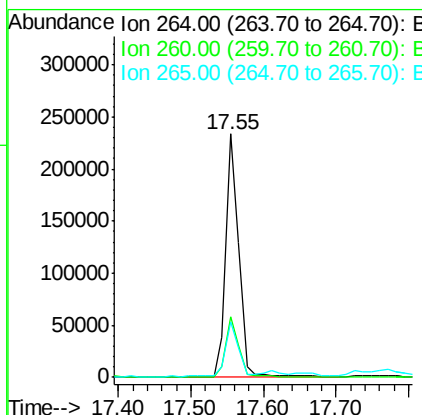
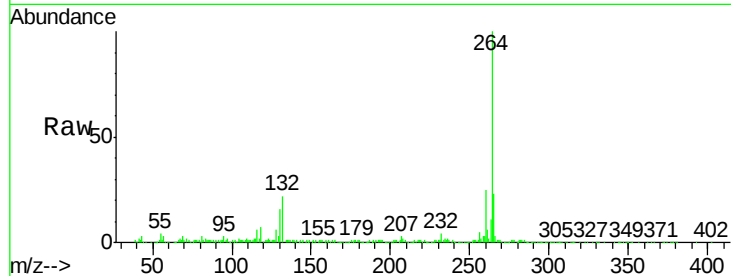
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.55 min Scan# 1432
Delta R.T. -0.33 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

Instrument :
BNA_F
ClientSampleId :
TP-15-SS

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	290283		
260	24.9	19.8	29.8	
265	22.7	17.8	26.6	

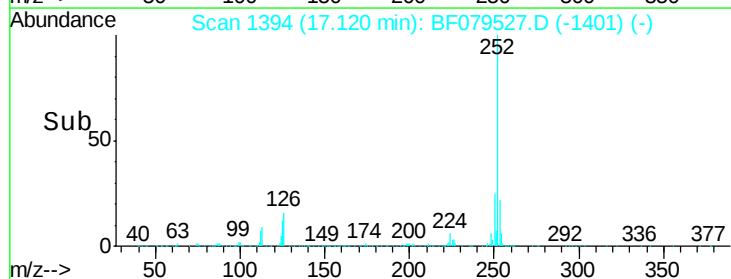
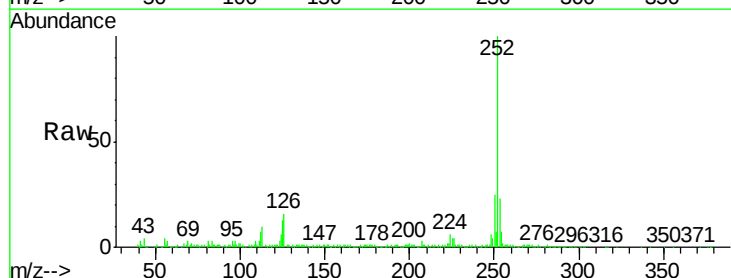
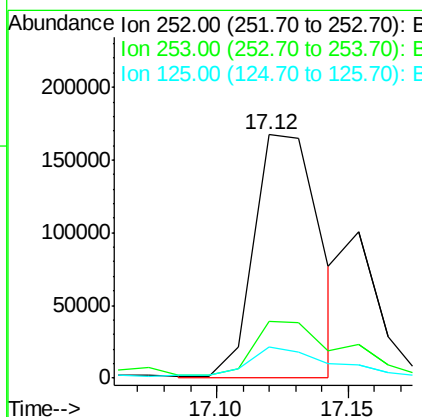
Manual Integrations
APPROVED

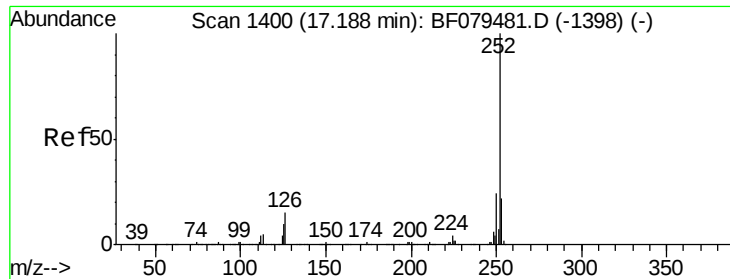
apatel
5/28/2015 12:03:49 PM



#87
Benzo(b)fluoranthene
Concen: 17.88 ng m
RT: 17.12 min Scan# 1394
Delta R.T. -0.26 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	296015		
253	23.1	17.6	26.4	
125	12.6	7.8	11.6#	





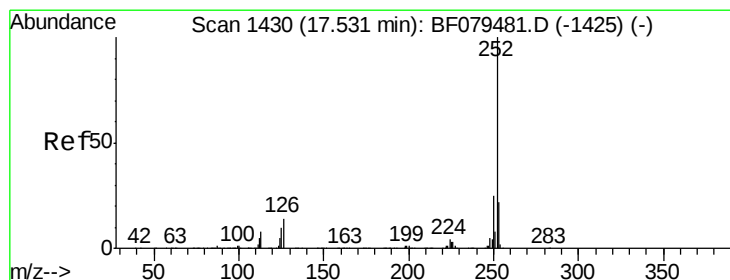
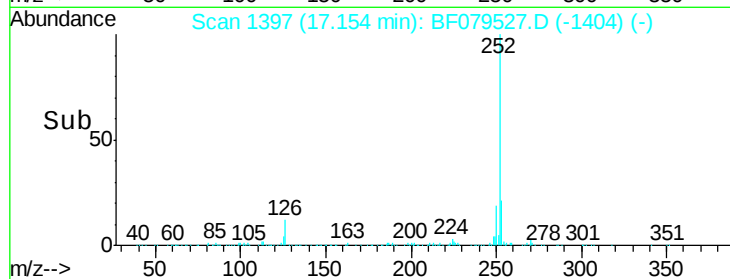
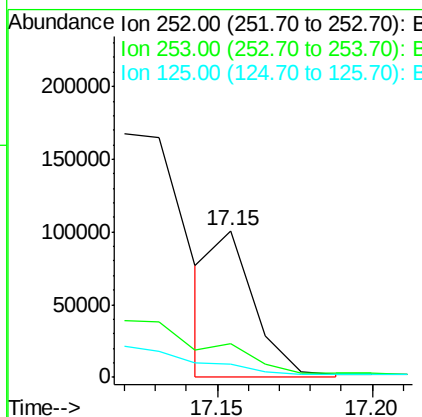
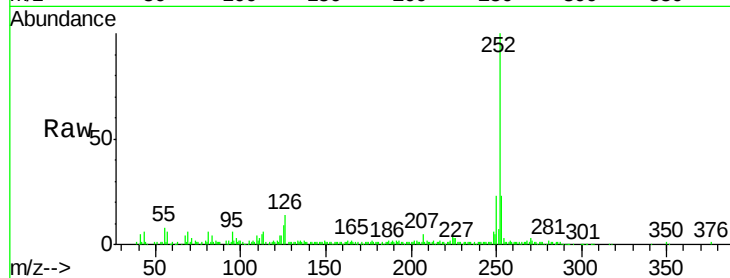
#88
Benzo(k)fluoranthene
Concen: 6.27 ng m
RT: 17.15 min Scan# 1397
Delta R.T. -0.26 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

Instrument :
BNA_F
ClientSampleId :
TP-15-SS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	9.2	6.8	10.2

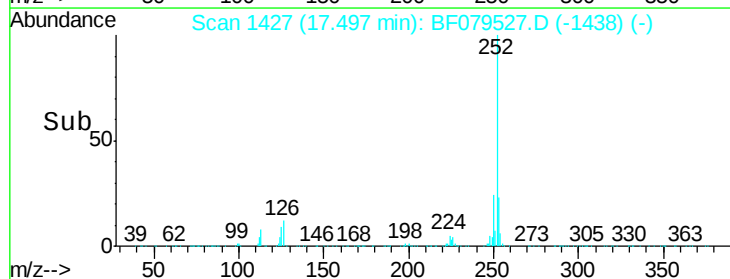
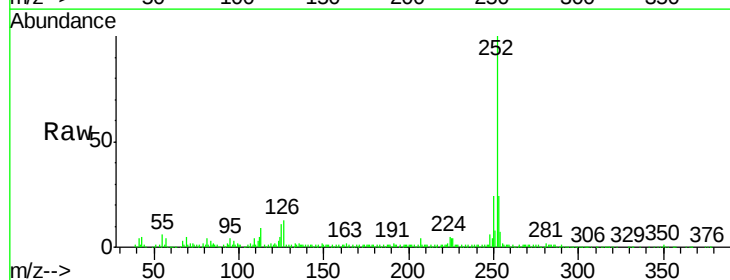
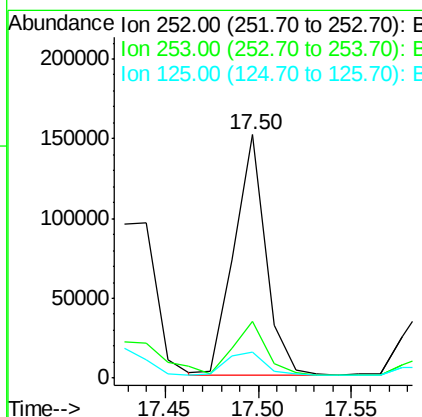
Manual Integrations
APPROVED

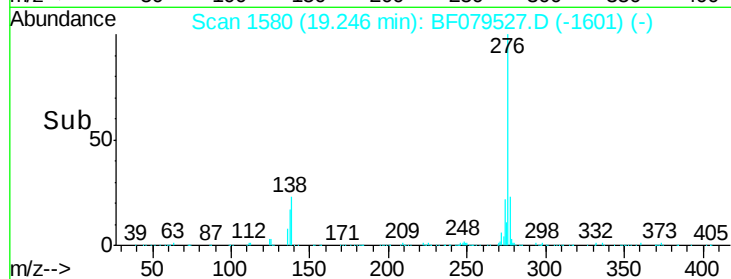
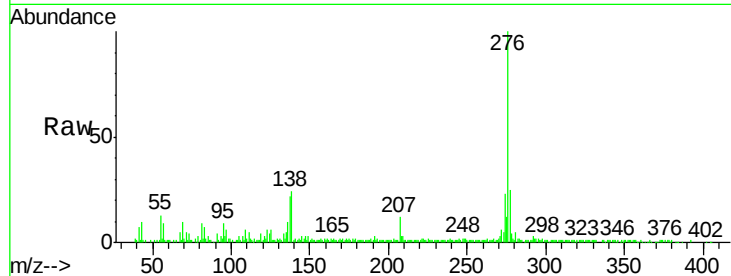
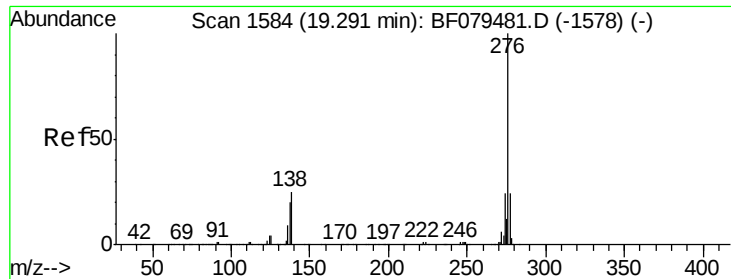
apatel
5/28/2015 12:03:49 PM



#89
Benzo(a)pyrene
Concen: 10.78 ng
RT: 17.50 min Scan# 1427
Delta R.T. -0.31 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	10.5	7.9	11.9





#91

Benzo(g,h,i)perylene

Concen: 7.05 ng

RT: 19.25 min Scan# 1580

Delta R.T. -0.45 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

Instrument :

BNA_F

ClientSampleId :

TP-15-SS

Tgt Ion:	276	Resp:	139645
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.1	28.7
138	24.3	20.1	30.1

Manual Integrations
APPROVED

apatel
5/28/2015 12:03:49 PM

