

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
 Data File : BF079466.D
 Acq On : 23 May 2015 9:49
 Operator : TP/IZ
 Sample : G2319-01 2X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GAS-LINE-WASTE-COMP

Manual Integrations
 APPROVED

apatel
 5/27/2015 8:18:15 AM

Quant Time: May 25 07:38:36 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 25 06:56:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	70826	20.00	ng	0.00
21) Naphthalene-d8	8.63	136	286570	20.00	ng	0.00
38) Acenaphthene-d10	10.80	164	136456	20.00	ng	0.00
63) Phenanthrene-d10	12.63	188	255045	20.00	ng	0.00
75) Chrysene-d12	15.92	240	256146	20.00	ng	0.01
86) Perylene-d12	17.69	264	252794	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	247518m	60.16	ng	0.03
7) Phenol-d6	6.65	99	332893m	61.21	ng	0.02
23) Nitrobenzene-d5	7.75	82	124819	25.03	ng	0.00
41) 2,4,6-Tribromophenol	11.78	330	76224	51.64	ng	0.00
44) 2-Fluorobiphenyl	9.98	172	369969	37.77	ng	0.00
78) Terphenyl-d14	14.63	244	391182	36.56	ng	0.00
Target Compounds						
49) Dimethylphthalate	10.49	163	34749	3.47	ng	98
70) Phenanthrene	12.66	178	116792	8.19	ng	99
71) Anthracene	12.73	178	39645	2.83	ng	96
74) Fluoranthene	14.14	202	214705	14.44	ng	96
77) Pyrene	14.41	202	183080	12.40	ng	99
80) Benzo(a)anthracene	15.91	228	103181m	7.36	ng	
82) Chrysene	15.95	228	80751	5.99	ng	96
85) Indeno(1,2,3-cd)pyrene	19.05	276	45722m	2.66	ng	
87) Benzo(b)fluoranthene	17.23	252	104711m	7.57	ng	
88) Benzo(k)fluoranthene	17.27	252	39066m	2.92	ng	
89) Benzo(a)pyrene	17.63	252	74214	5.83	ng	# 93
91) Benzo(a,h,i)perylene	19.45	276	50005	3.68	ng	# 92

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

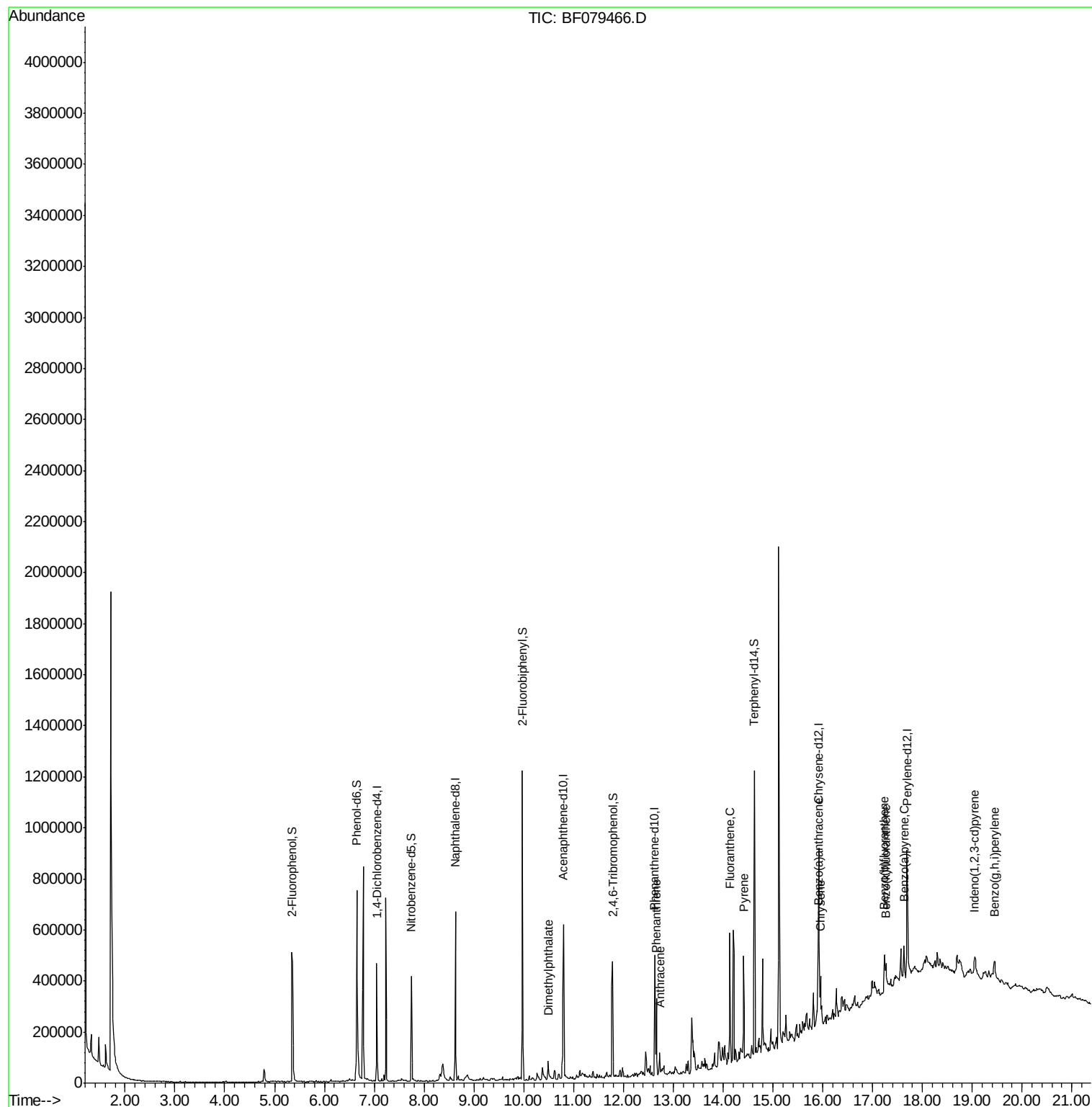
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

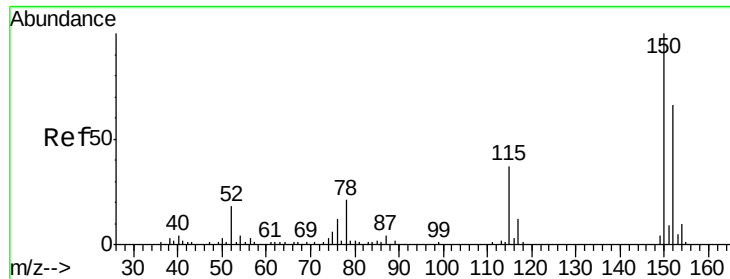
Instrument :
BNA_F
ClientSampleId :
GAS-LINE-WASTE-COMP

Manual Integrations
APPROVED

apatel
5/27/2015 8:18:15 AM

Quant Time: May 25 07:38:36 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 25 06:56:43 2015
Response via : Initial Calibration





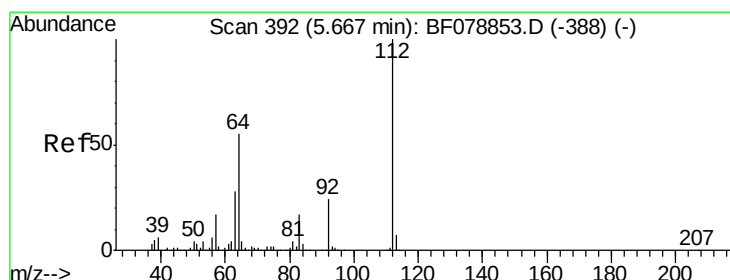
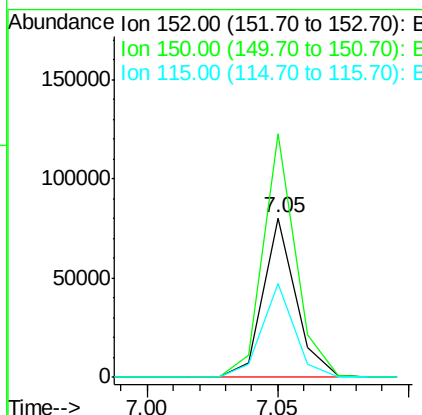
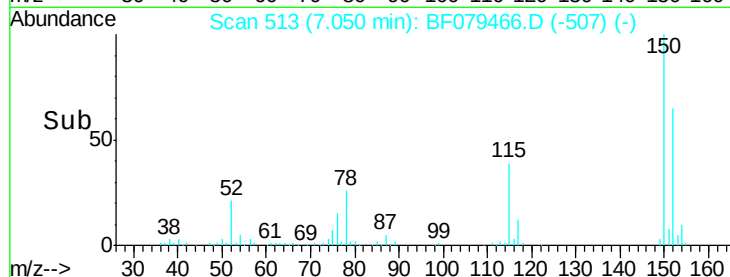
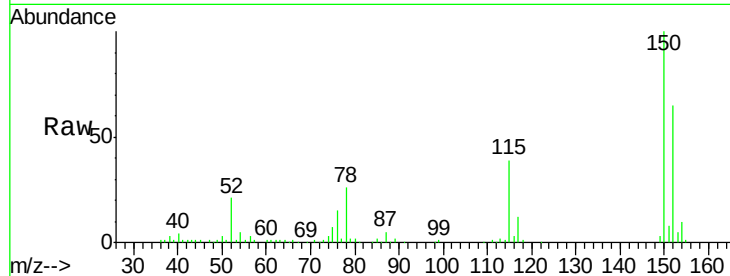
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.05 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BF079466.D
 Acq: 23 May 2015 9:49

Instrument :
 BNA_F
 ClientSampleId :
 GAS-LINE-WASTE-COMP

Tot Ion:	152	Resp:	70826
Ion Ratio	Lower	Upper	
152	100		
150	152.9	123.8	185.8
115	59.2	49.4	74.0

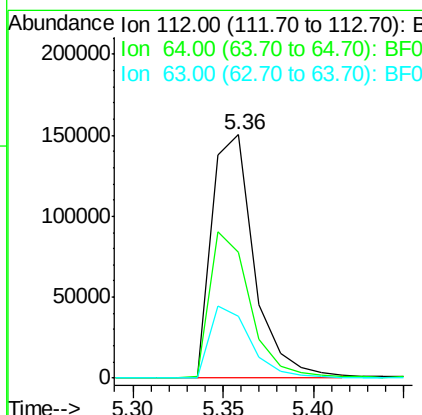
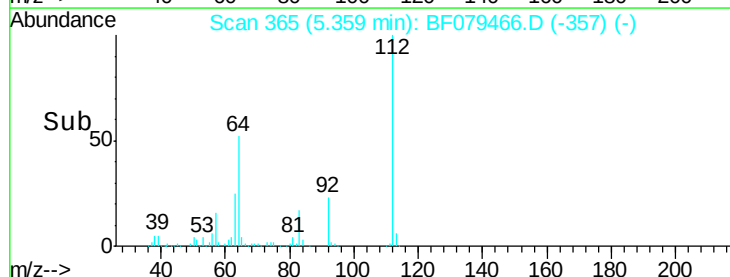
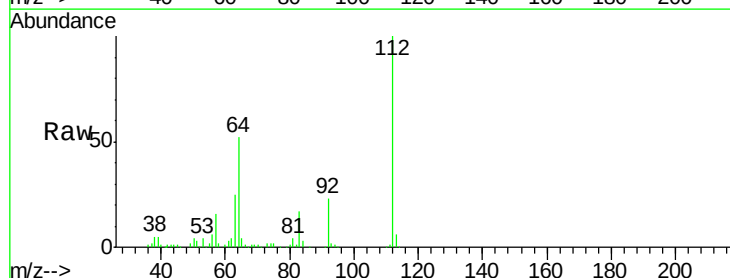
Manual Integrations
 APPROVED

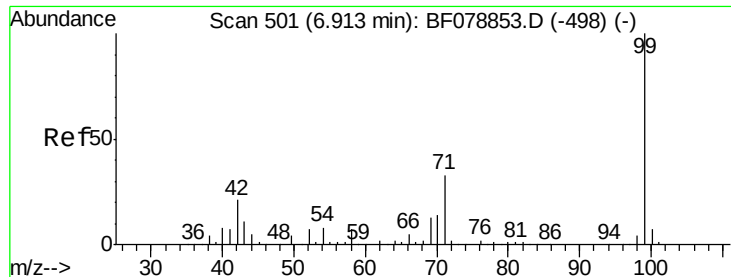
apatel
 5/27/2015 8:18:15 AM



#5
 2-Fluorophenol
 Concen: 60.16 ng m
 RT: 5.36 min Scan# 365
 Delta R.T. 0.03 min
 Lab File: BF079466.D
 Acq: 23 May 2015 9:49

Tgt Ion:	112	Resp:	247518
Ion Ratio	Lower	Upper	
112	100		
64	51.7	44.2	66.2
63	25.3	22.7	34.1





#7

Phenol-d6

Concen: 61.21 ng/mL

RT: 6.65 min Scan# 478

Delta R.T. 0.02 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

Instrument :

BNA_F

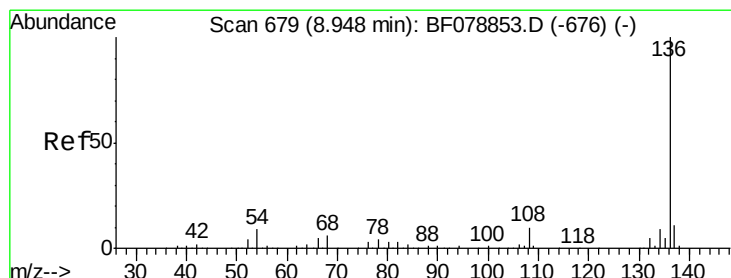
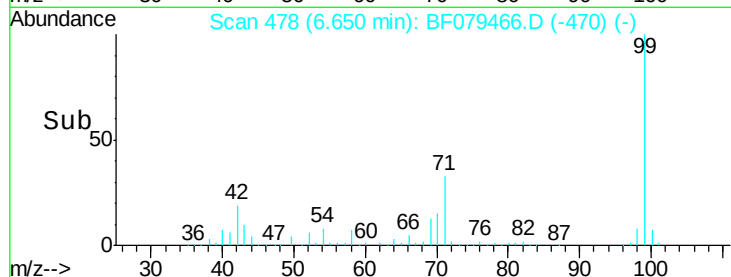
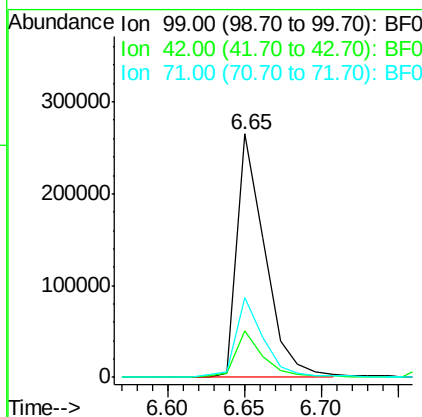
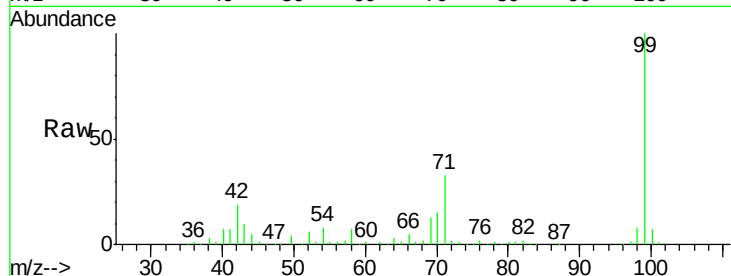
ClientSampleId :

GAS-LINE-WASTE-COMP

Tot Ion:	99	Resp:	332893
Ion Ratio	Lower	Upper	
99	100		
42	19.0	17.1	25.7
71	32.8	26.3	39.5

Manual Integrations
APPROVED

apatel
5/27/2015 8:18:15 AM



#21

Naphthalene-d8

Concen: 20.00 ng/mL

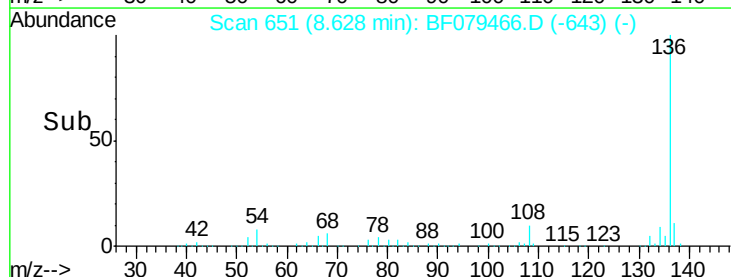
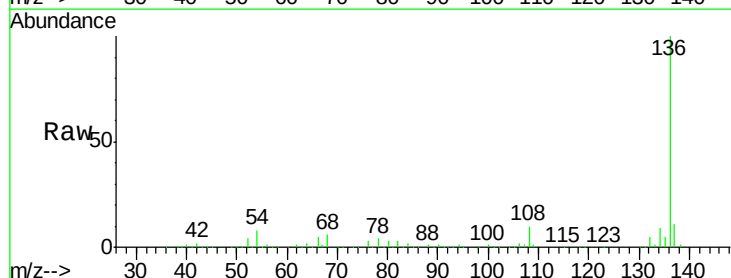
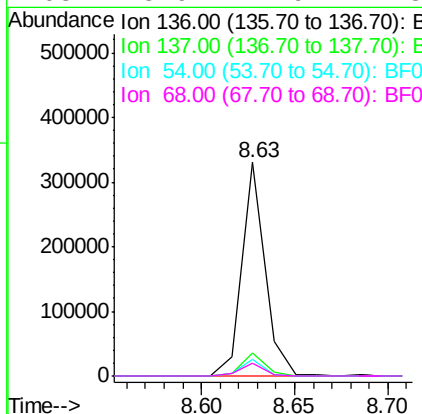
RT: 8.63 min Scan# 651

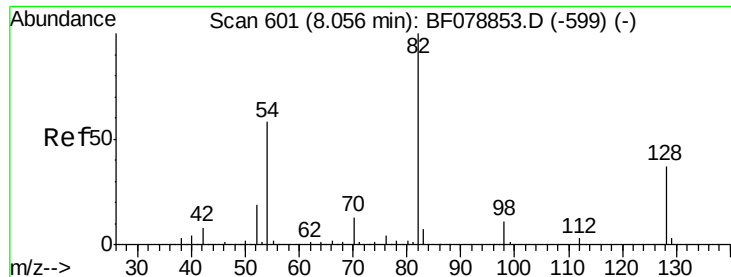
Delta R.T. -0.00 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

Tgt Ion:	136	Resp:	286570
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	7.7	6.9	10.3
68	5.9	4.9	7.3





#23

Nitrobenzene-d5

Concen: 25.03 ng

RT: 7.75 min Scan# 574

Delta R.T. -0.00 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

Instrument :

BNA_F

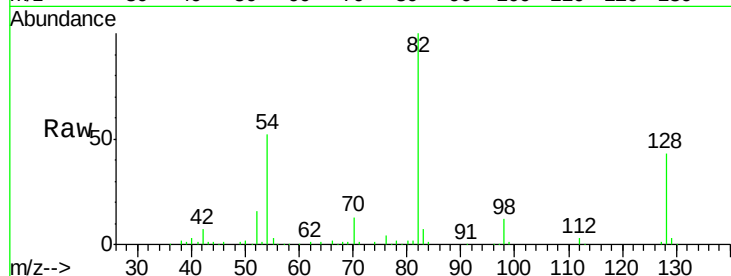
ClientSampleId :

GAS-LINE-WASTE-COMP

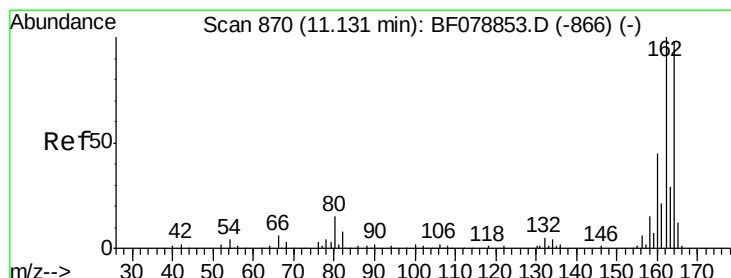
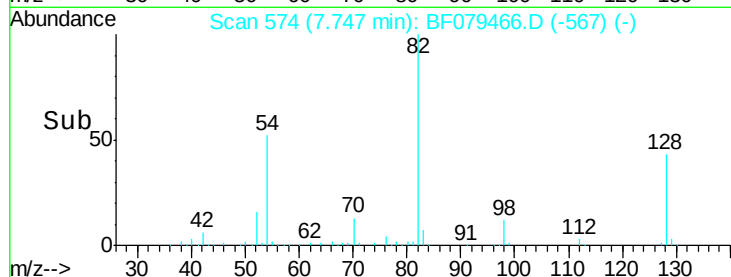
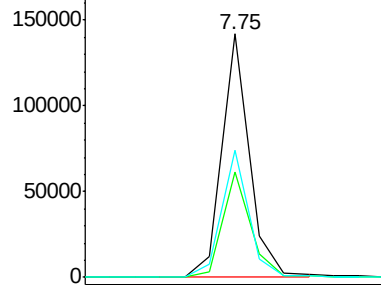
Tot Ion:	82	Resp:	124819
Ion Ratio	Lower	Upper	
82	100		
128	43.1	29.7	44.5
54	52.1	46.2	69.4

Manual Integrations
APPROVED

apatel
5/27/2015 8:18:15 AM



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



#38

Acenaphthene-d10

Concen: 20.00 ng

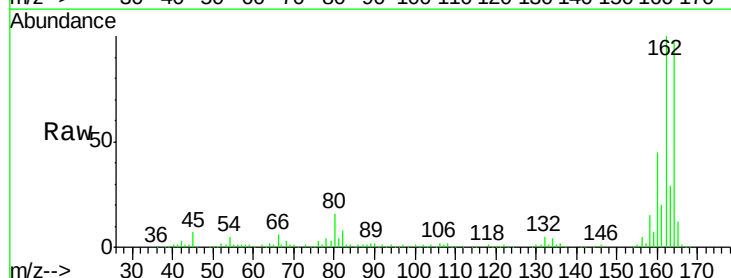
RT: 10.80 min Scan# 841

Delta R.T. -0.00 min

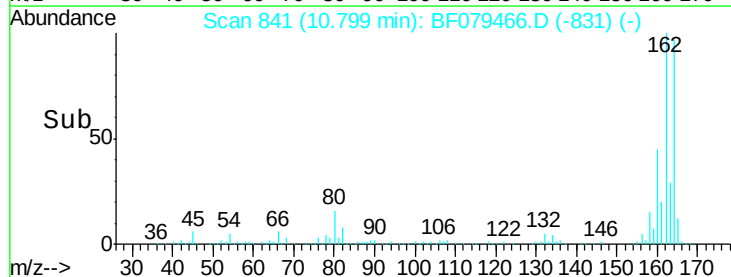
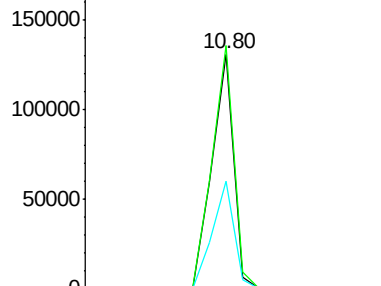
Lab File: BF079466.D

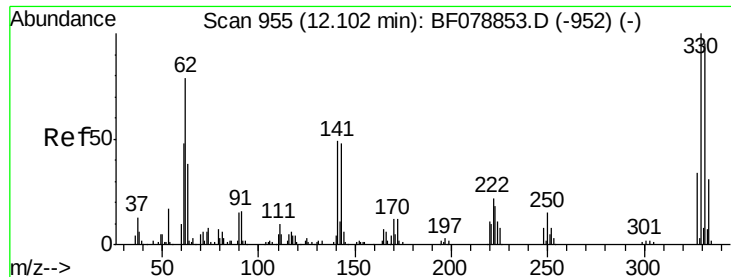
Acq: 23 May 2015 9:49

Tgt Ion:	164	Resp:	136456
Ion Ratio	Lower	Upper	
164	100		
162	103.6	81.4	122.0
160	46.1	36.6	54.8



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





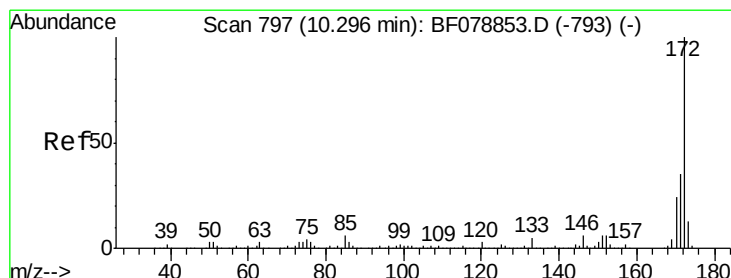
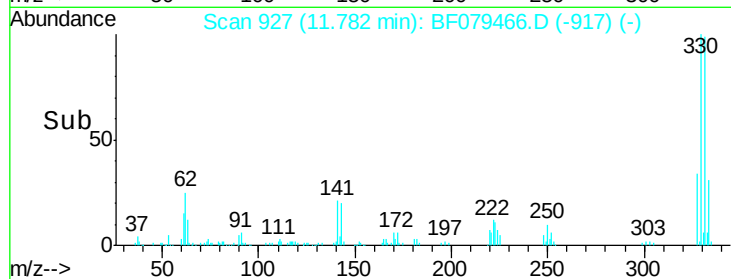
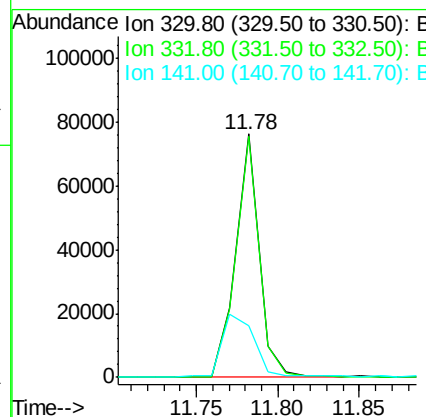
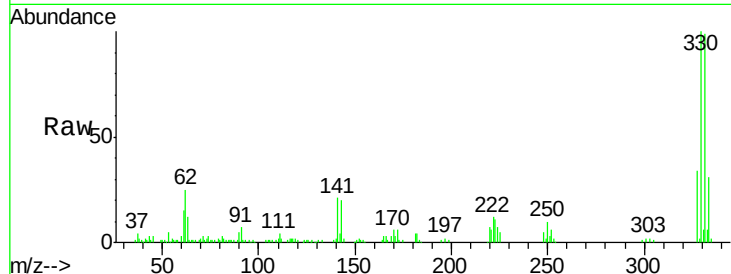
#41
 2,4,6-Tribromophenol
 Concen: 51.64 ng
 RT: 11.78 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BF079466.D
 Acq: 23 May 2015 9:49

Instrument :
 BNA_F
 ClientSampleId :
 GAS-LINE-WASTE-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.9	115.3
141	36.5	27.8	41.8

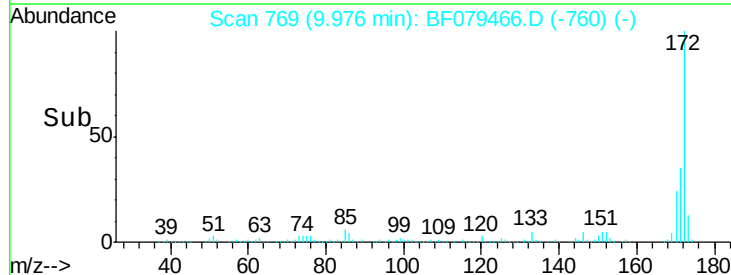
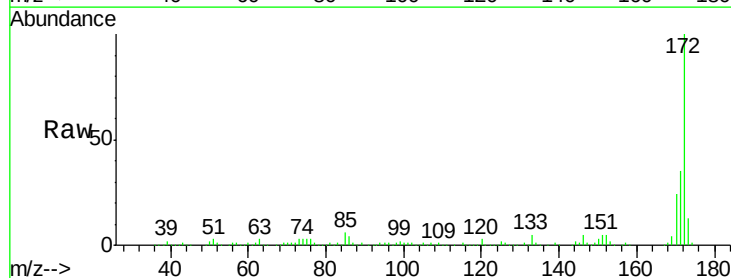
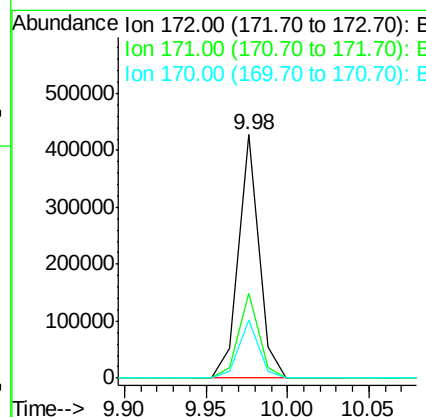
Manual Integrations
 APPROVED

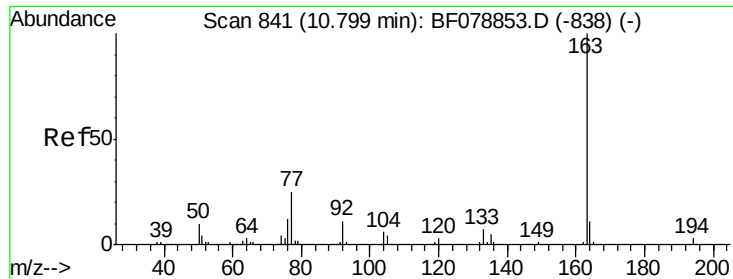
apatel
 5/27/2015 8:18:15 AM



#44
 2-Fluorobiphenyl
 Concen: 37.77 ng
 RT: 9.98 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BF079466.D
 Acq: 23 May 2015 9:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.3	42.5
170	23.8	19.4	29.2





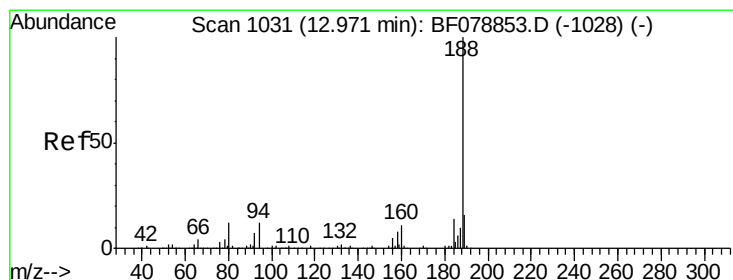
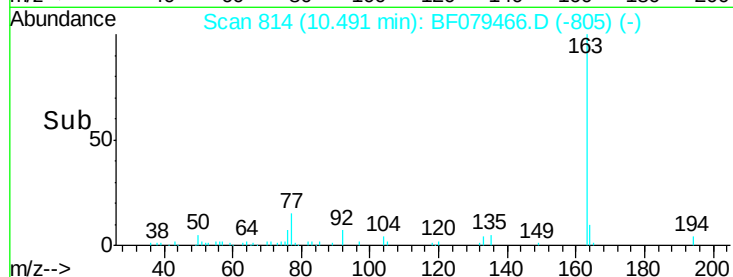
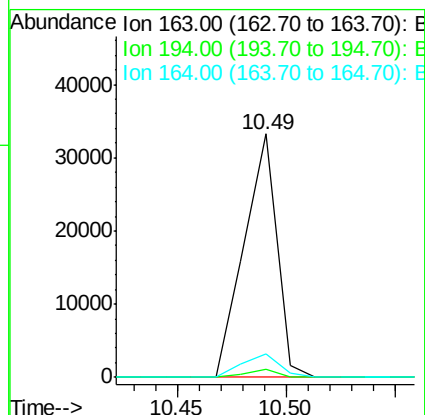
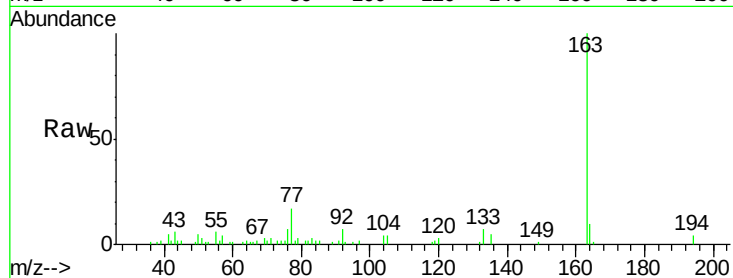
#49
Dimethylphthalate
Concen: 3.47 ng
RT: 10.49 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

Instrument :
BNA_F
ClientSampleId :
GAS-LINE-WASTE-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	34749		
194	3.5	2.4	3.6	
164	9.8	8.6	12.8	

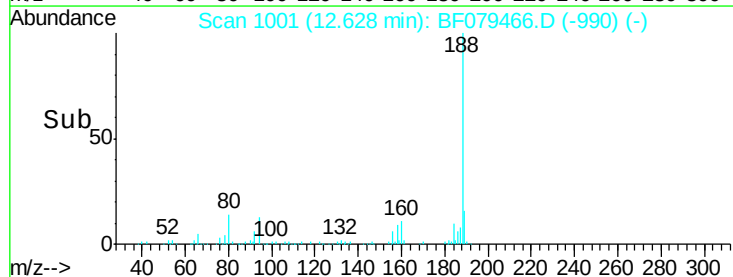
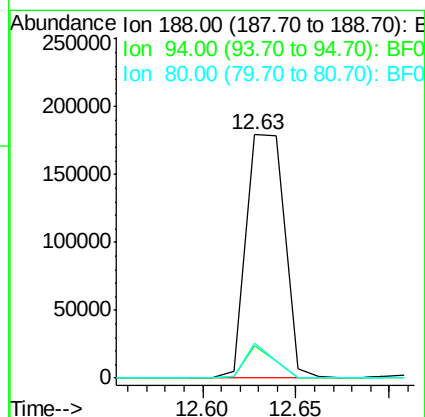
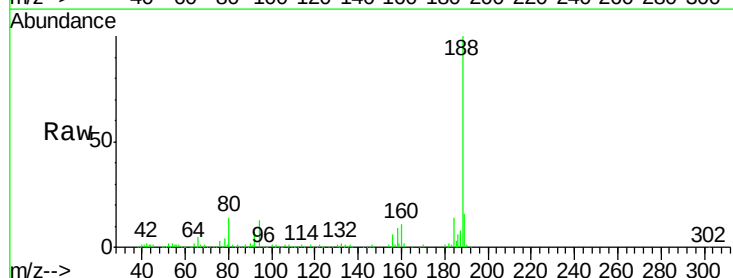
Manual Integrations
APPROVED

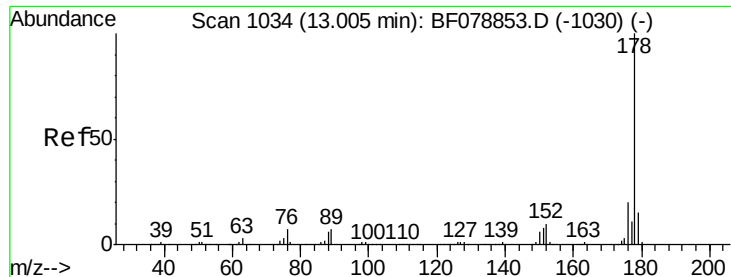
apatel
5/27/2015 8:18:15 AM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.63 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	255045		
94	13.5	9.4	14.0	
80	14.5	9.8	14.6	





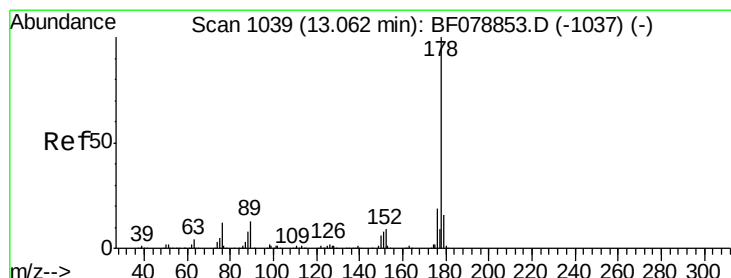
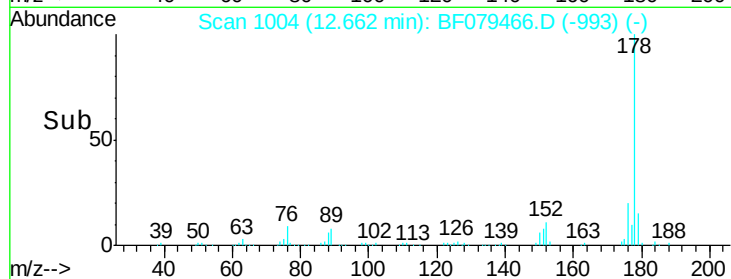
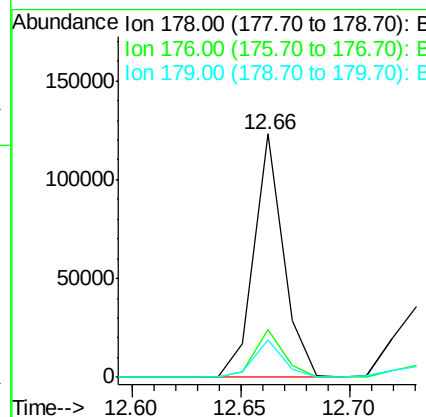
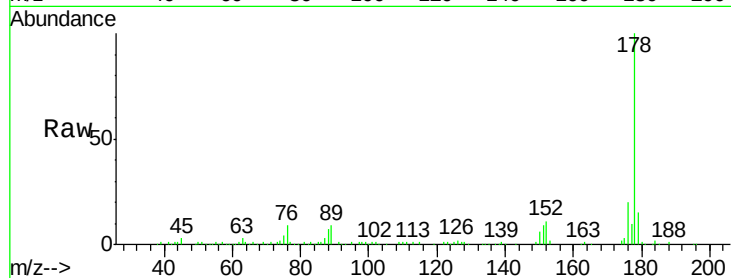
#70
Phenanthrene
Concen: 8.19 ng
RT: 12.66 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

Instrument :
BNA_F
ClientSampleId :
GAS-LINE-WASTE-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	15.4	12.2	18.4

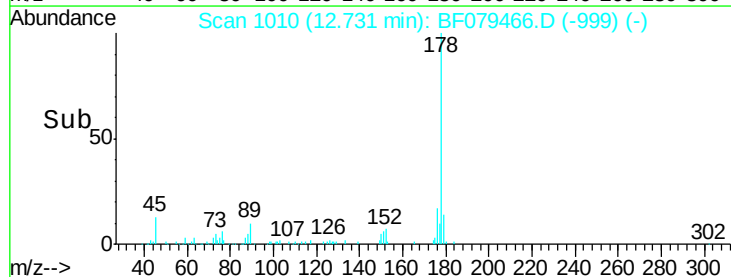
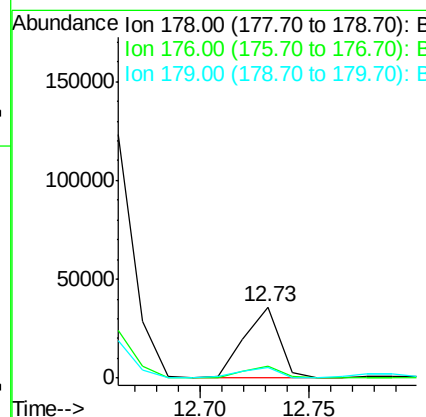
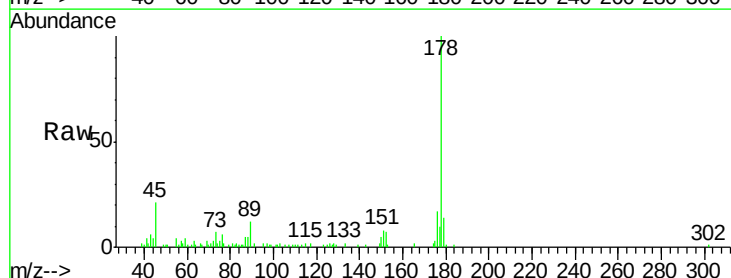
Manual Integrations
APPROVED

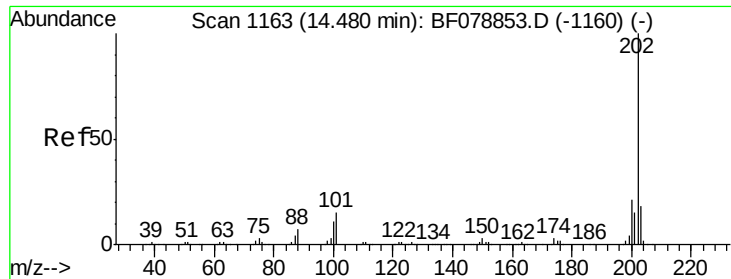
apatel
5/27/2015 8:18:15 AM



#71
Anthracene
Concen: 2.83 ng
RT: 12.73 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.3	22.9
179	14.4	12.6	19.0





#74

Fluoranthene

Concen: 14.44 ng

RT: 14.14 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

Instrument :

BNA_F

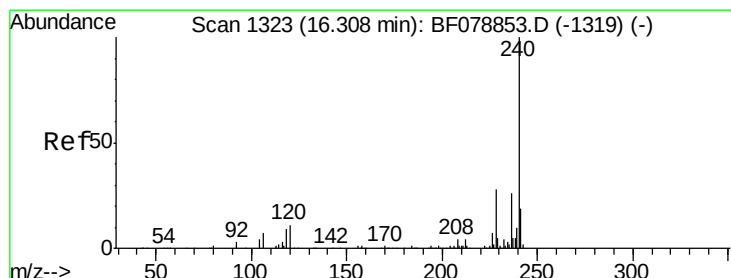
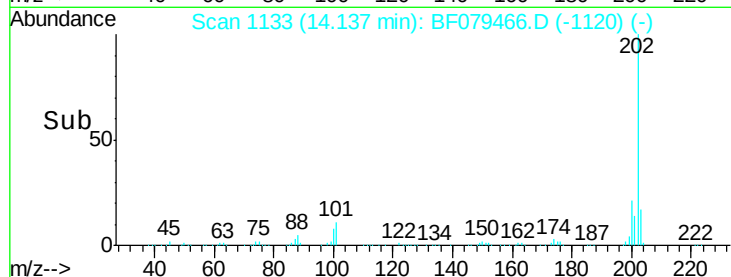
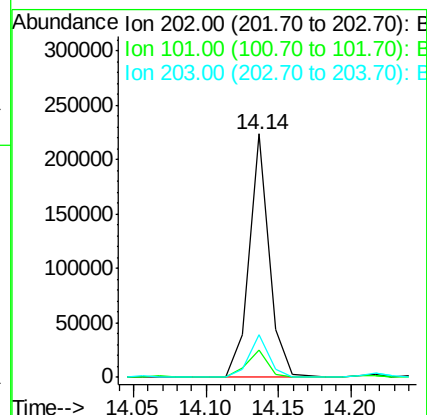
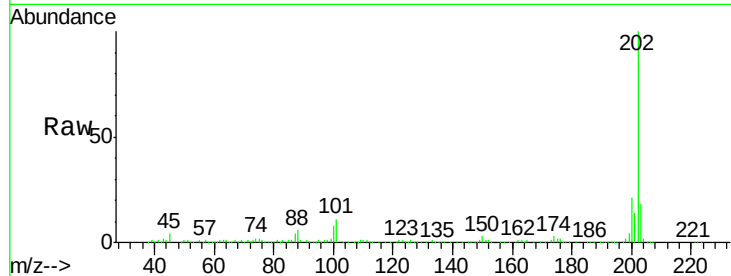
ClientSampleId :

GAS-LINE-WASTE-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		214705		
101	11.4	0.0	34.7		
203	17.6	0.0	37.9		

Manual Integrations
APPROVED

apatel
5/27/2015 8:18:15 AM



#75

Chrysene-d12

Concen: 20.00 ng

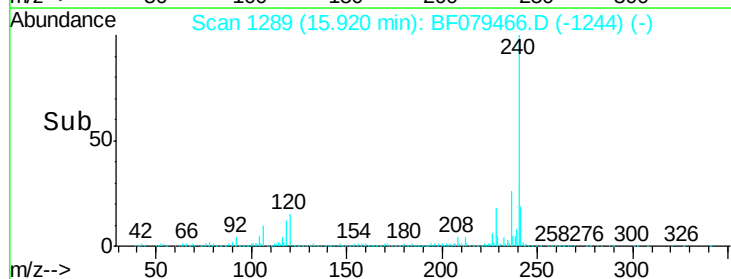
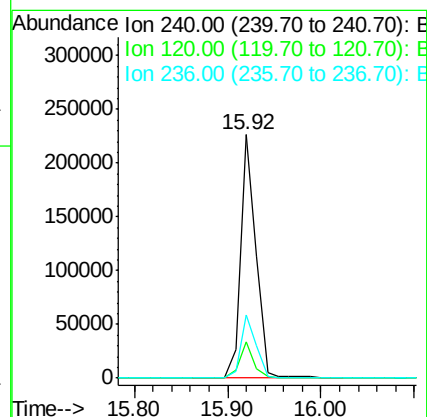
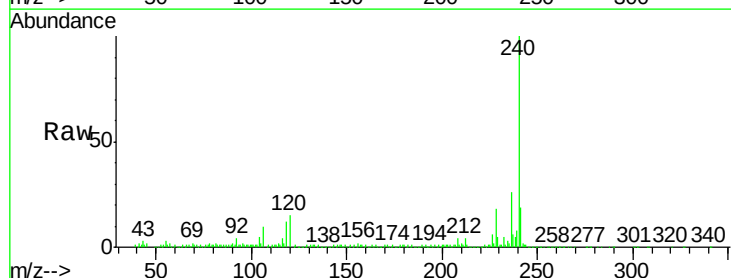
RT: 15.92 min Scan# 1289

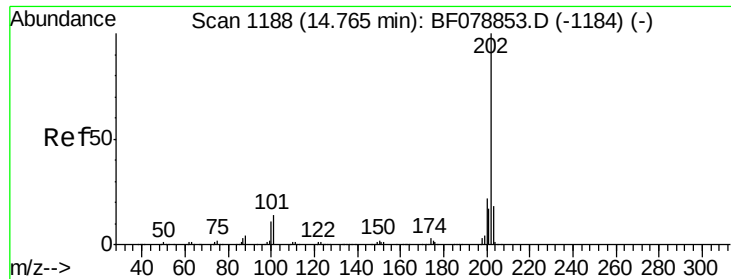
Delta R.T. 0.01 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		256146		
120	14.8	8.6	12.8#		
236	25.8	21.0	31.6		





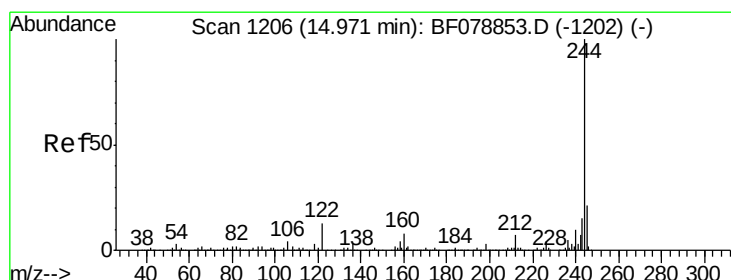
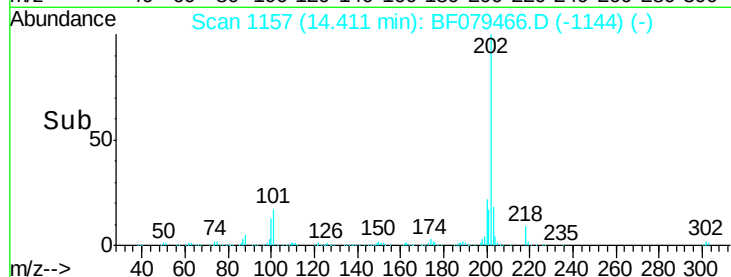
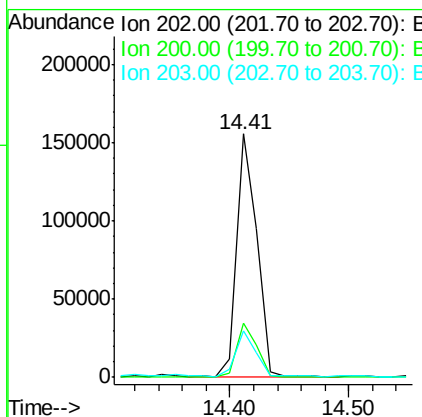
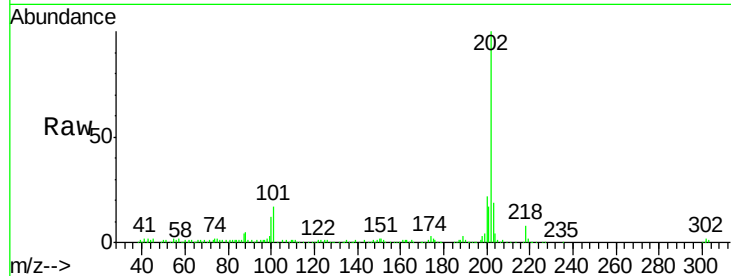
#77
Pvrene
Concen: 12.40 ng
RT: 14.41 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

Instrument :
BNA_F
ClientSampleId :
GAS-LINE-WASTE-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.0	17.5	26.3
203	18.8	14.7	22.1

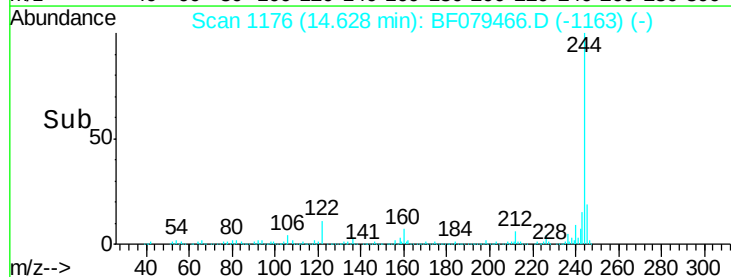
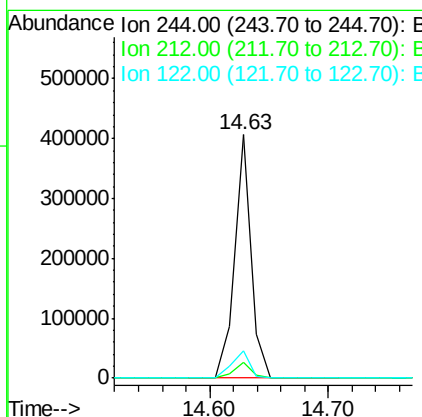
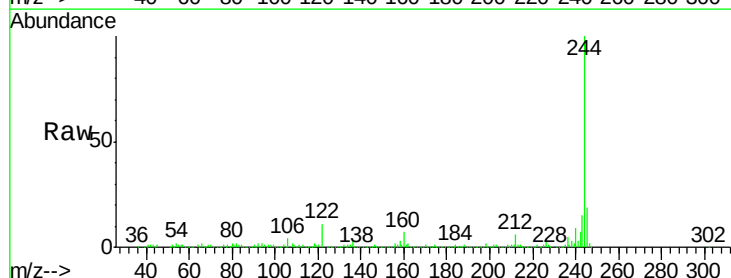
Manual Integrations
APPROVED

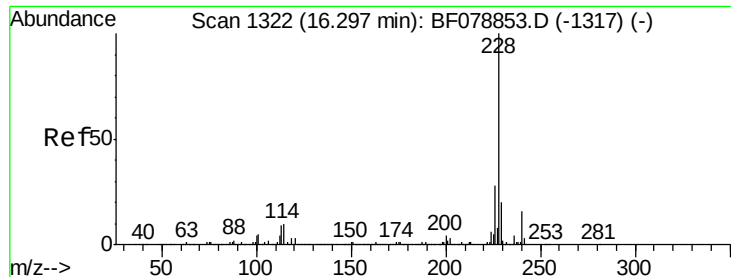
apatel
5/27/2015 8:18:15 AM



#78
Terphenyl-d14
Concen: 36.56 ng
RT: 14.63 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.3	5.6	8.4
122	11.3	10.5	15.7





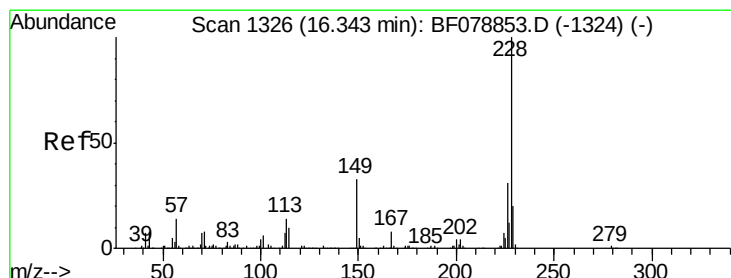
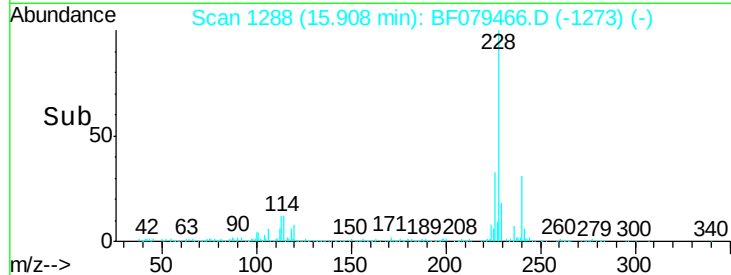
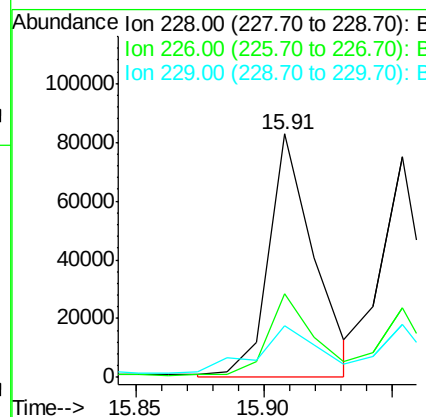
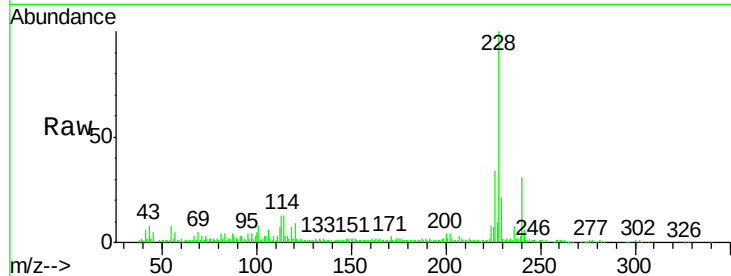
#80
Benzo(a)anthracene
Concen: 7.36 ng/mL
RT: 15.91 min Scan# 1288
Delta R.T. 0.01 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

Instrument :
BNA_F
ClientSampleId :
GAS-LINE-WASTE-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.2	22.3	33.5
229	21.2	16.1	24.1

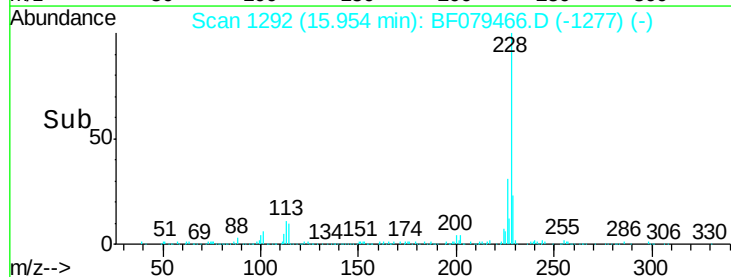
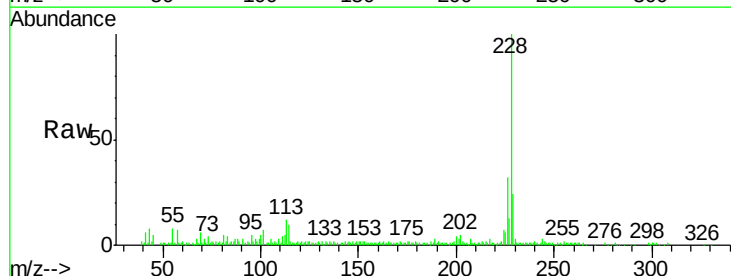
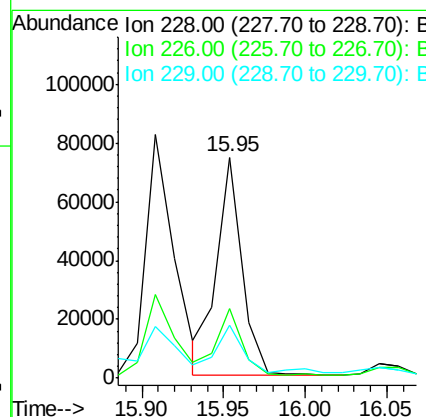
Manual Integrations
APPROVED

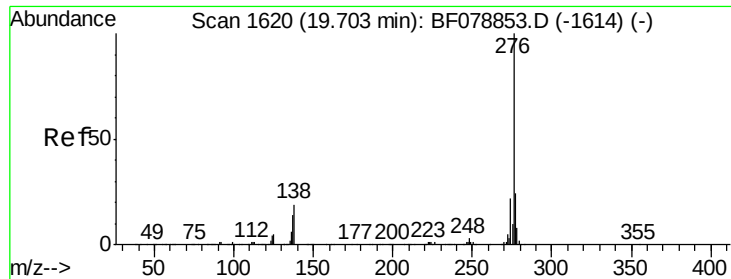
apatel
5/27/2015 8:18:15 AM



#82
Chrysene
Concen: 5.99 ng/mL
RT: 15.95 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.8	37.2
229	23.8	16.1	24.1





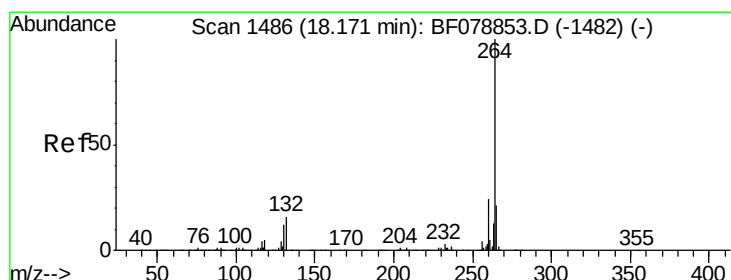
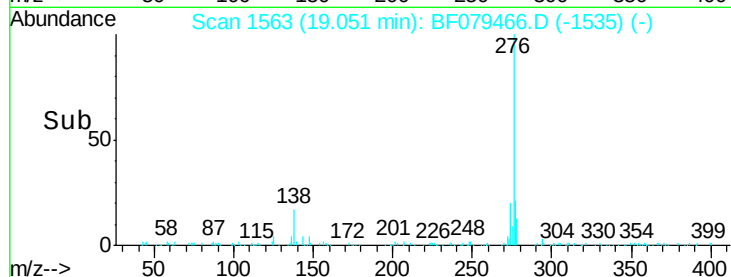
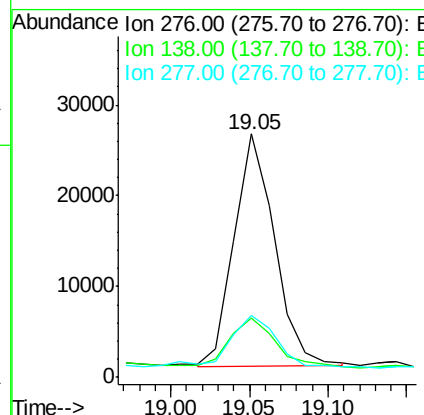
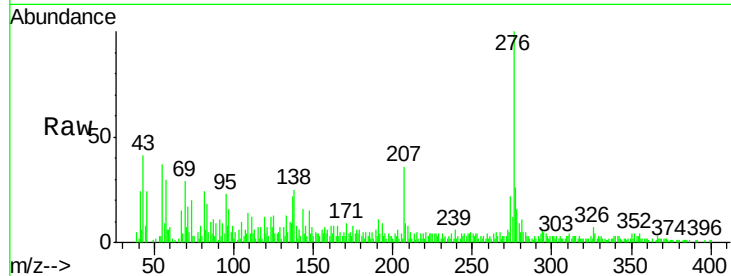
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.66 ng/mL
RT: 19.05 min Scan# 1563
Delta R.T. 0.11 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

Instrument :
BNA_F
ClientSampleId :
GAS-LINE-WASTE-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.5	21.1	31.7#
277	4.4	19.9	29.9#

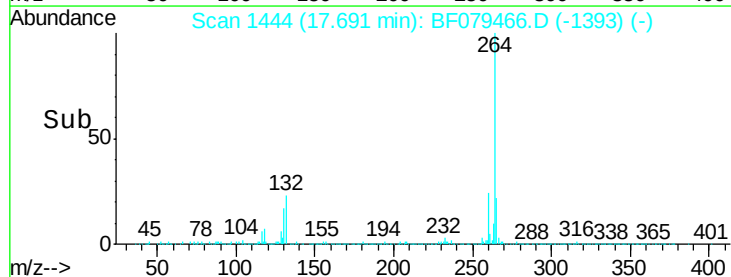
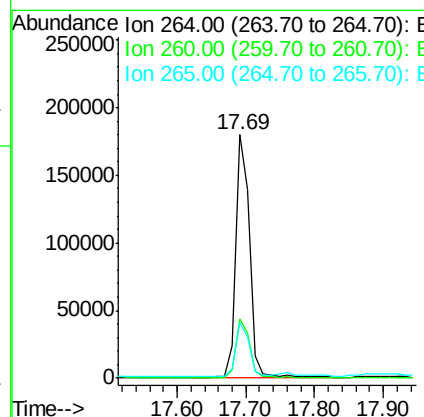
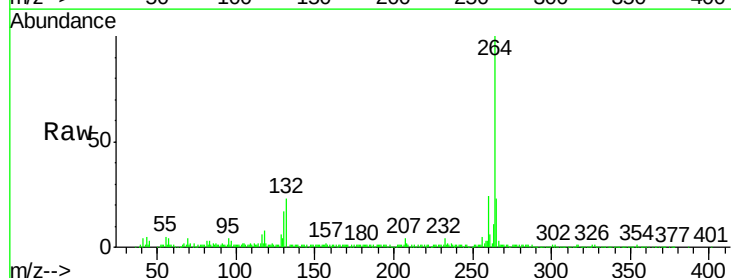
Manual Integrations
APPROVED

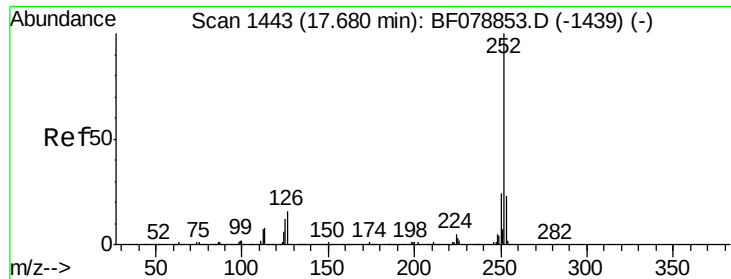
apatel
5/27/2015 8:18:15 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.69 min Scan# 1444
Delta R.T. 0.08 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.7	17.2	25.8





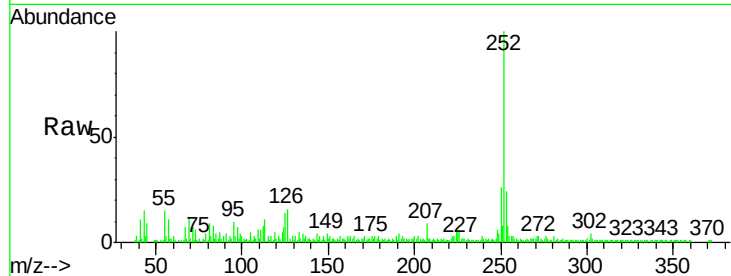
#87
Benzo(b)fluoranthene
Concen: 7.57 ng m
RT: 17.23 min Scan# 1404
Delta R.T. 0.06 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

Instrument :
BNA_F
ClientSampleId :
GAS-LINE-WASTE-COMP

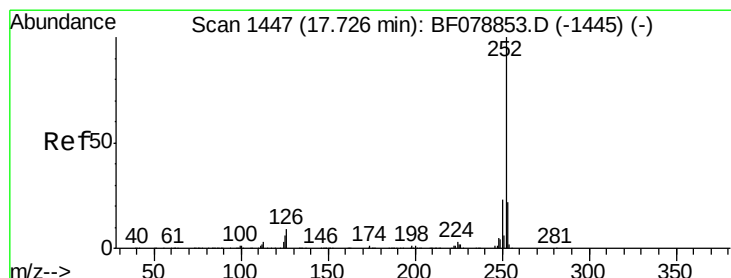
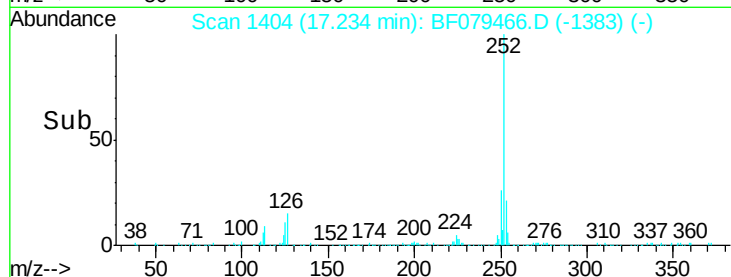
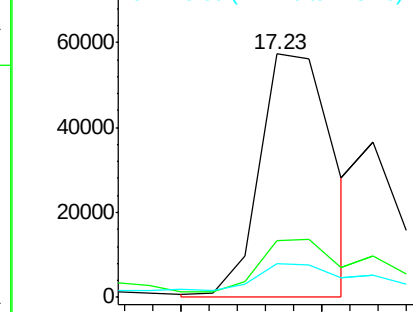
Tot Ion	Ratio	Resp	Lower	Upper
252	100	104711		
253	23.6	18.1	27.1	
125	14.1	9.4	14.2	

Manual Integrations
APPROVED

apatel
5/27/2015 8:18:15 AM

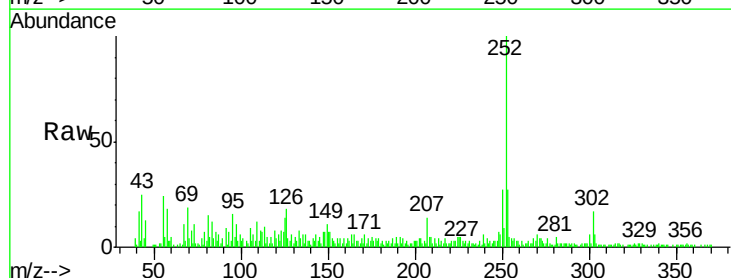


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

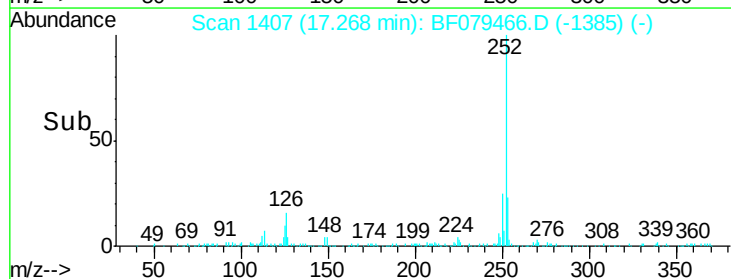
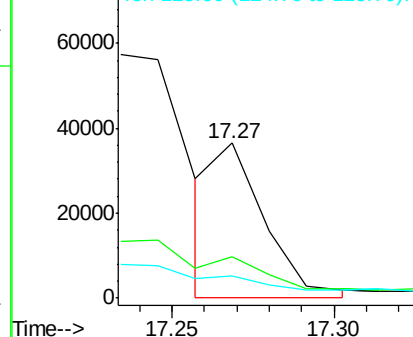


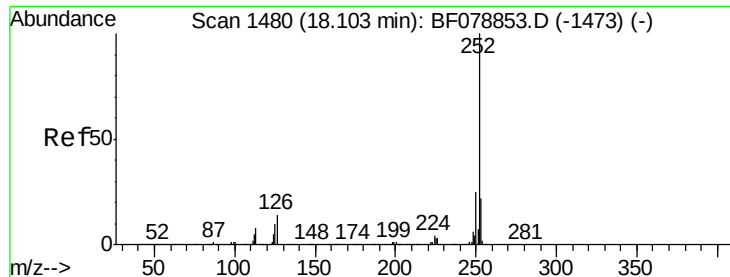
#88
Benzo(k)fluoranthene
Concen: 2.92 ng m
RT: 17.27 min Scan# 1407
Delta R.T. 0.07 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	39066		
253	26.7	17.4	26.0#	
125	14.1	6.1	9.1#	



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





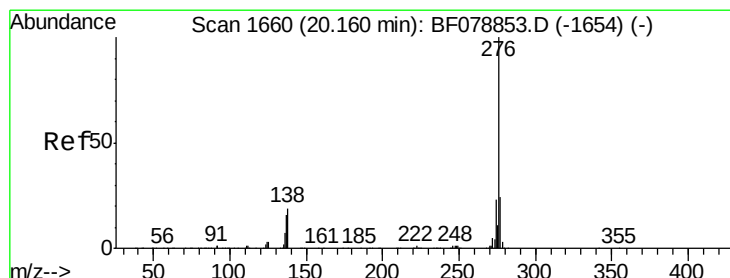
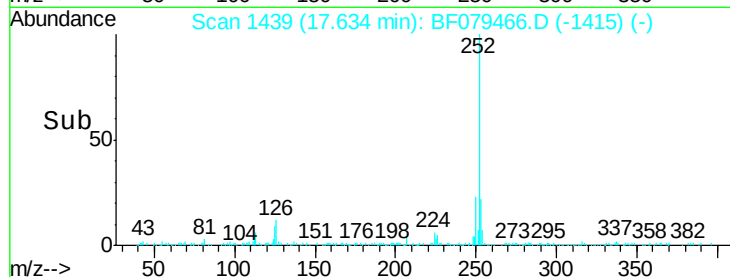
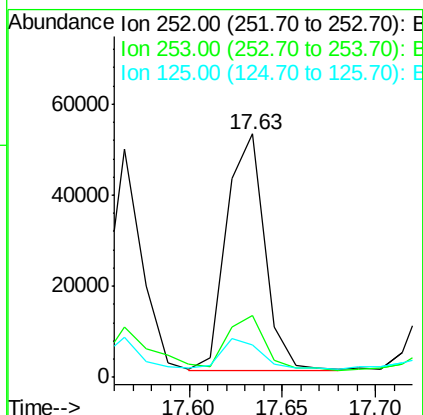
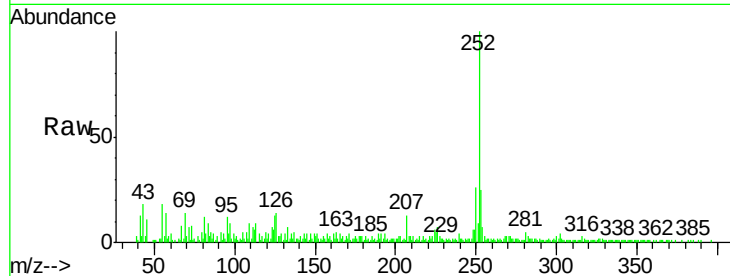
#89
Benzo(a)pyrene
Concen: 5.83 ng
RT: 17.63 min Scan# 1439
Delta R.T. 0.09 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

Instrument :
BNA_F
ClientSampleId :
GAS-LINE-WASTE-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.0	27.0
125	13.1	8.2	12.2

Manual Integrations
APPROVED

apatel
5/27/2015 8:18:15 AM



#91
Benzo(g,h,i)perylene
Concen: 3.68 ng
RT: 19.45 min Scan# 1598
Delta R.T. 0.13 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.8	28.2
138	25.0	15.2	22.8

