

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022515\
 Data File : BF077456.D
 Acq On : 26 Feb 2015 3:51
 Operator : IZ / TP
 Sample : G1362-01
 Misc : S
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Manual Integrations
 APPROVED

apatel
 2/27/2015 10:56:29 AM

Quant Time: Feb 26 17:08:39 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 26 04:51:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	93799	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	367036	20.00	ng	0.00
38) Acenaphthene-d10	11.04	164	177295	20.00	ng	0.00
63) Phenanthrene-d10	12.88	188	353653	20.00	ng	0.00
75) Chrysene-d12	16.17	240	403271	20.00	ng	0.01
86) Perylene-d12	17.93	264	408339	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	446422	79.45	ng	0.01
7) Phenol-d6	6.84	99	548419	75.92	ng	0.00
23) Nitrobenzene-d5	7.97	82	311868	52.84	ng	0.00
41) 2,4,6-Tribromophenol	12.02	330	144505	84.65	ng	0.00
44) 2-Fluorobiphenyl	10.21	172	560462	49.29	ng	0.00
78) Terphenyl-d14	14.88	244	700029	40.58	ng	0.00
Target Compounds						
49) Dimethylphthalate	10.72	163	35202	2.82	ng	# 98
57) Fluorene	11.72	166	40742	3.32	ng	# 90
70) Phenanthrene	12.91	178	227828	11.11	ng	99
71) Anthracene	12.97	178	62399m	3.07	ng	
74) Fluoranthene	14.39	202	263100	11.75	ng	100
77) Pyrene	14.66	202	248288	10.07	ng	# 94
80) Benzo(a)anthracene	16.16	228	135313	5.73	ng	97
82) Chrysene	16.20	228	104140	4.69	ng	96
85) Indeno(1,2,3-cd)pyrene	19.39	276	72543m	2.87	ng	
87) Benzo(b)fluoranthene	17.47	252	157008m	6.61	ng	
89) Benzo(a)pyrene	17.86	252	107233	4.74	ng	97
91) Benzo(g,h,i)perylene	19.81	276	65824	3.02	ng	98

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

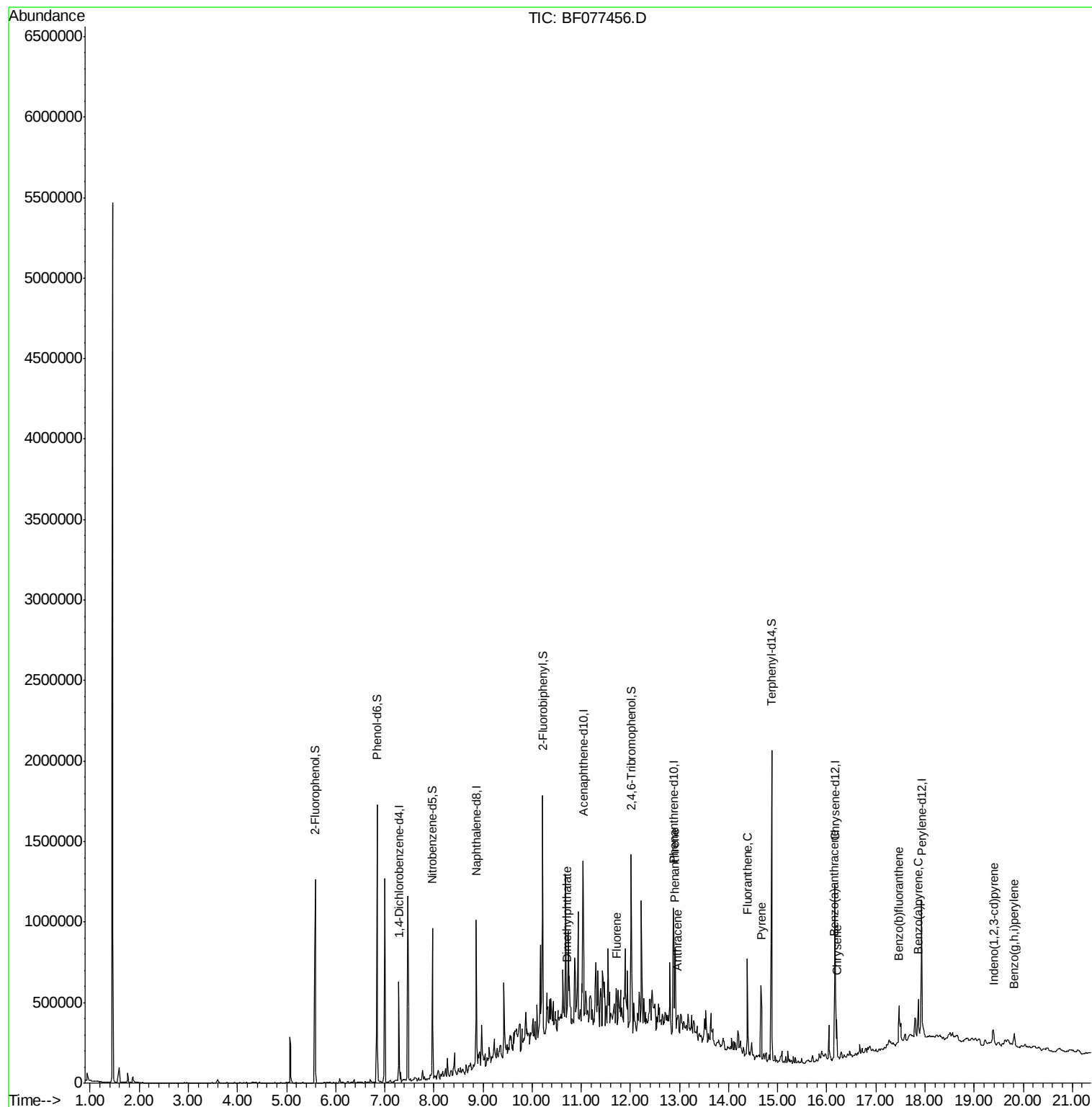
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022515\
Data File : BF077456.D
Acq On : 26 Feb 2015 3:51
Operator : IZ / TP
Sample : G1362-01
Misc : S
ALS Vial : 26 Sample Multiplier: 1

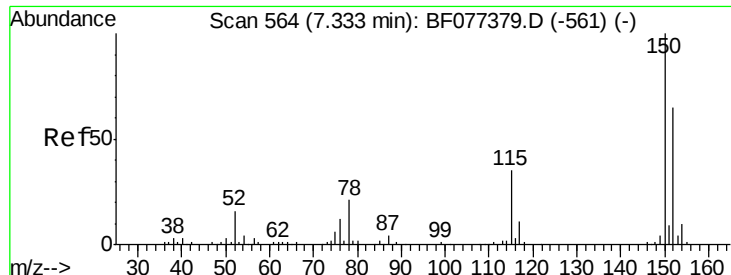
Instrument :
BNA_F
ClientSampleId :
WASTE

Manual Integrations
APPROVED

apatel
2/27/2015 10:56:29 AM

Quant Time: Feb 26 17:08:39 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 26 04:51:14 2015
Response via : Initial Calibration

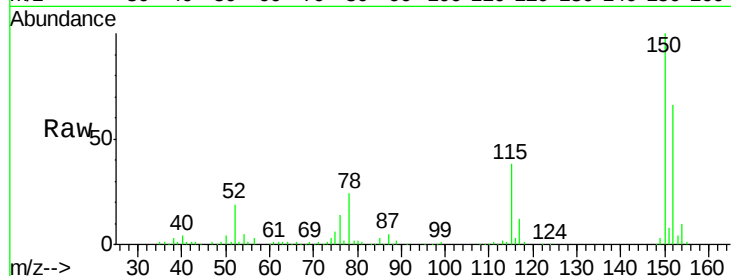




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

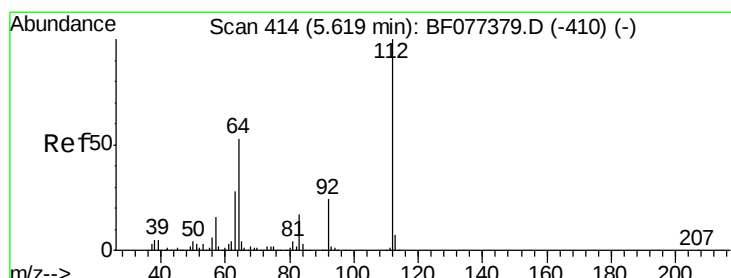
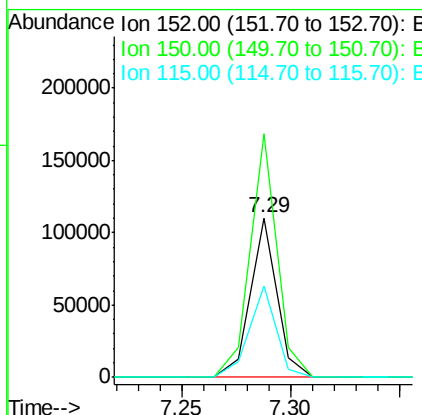
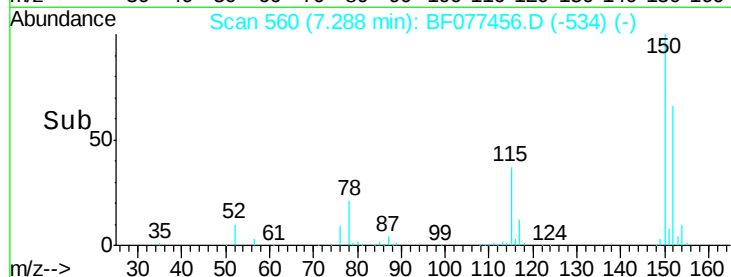
Instrument :
BNA_F
ClientSampleId :
WASTE



Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.5	124.0	186.0
115	57.3	49.4	74.2

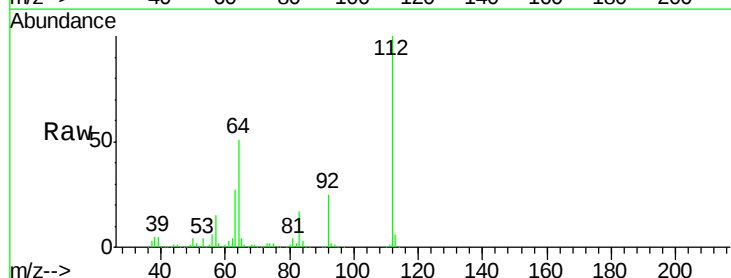
Manual Integrations
APPROVED

apatel
2/27/2015 10:56:29 AM

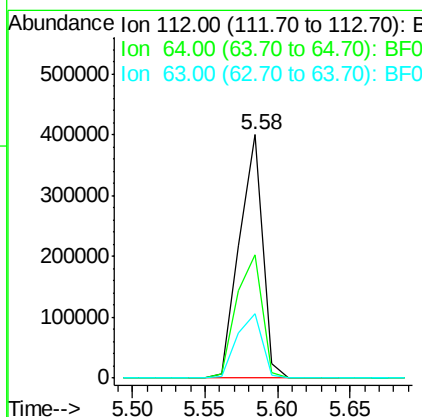
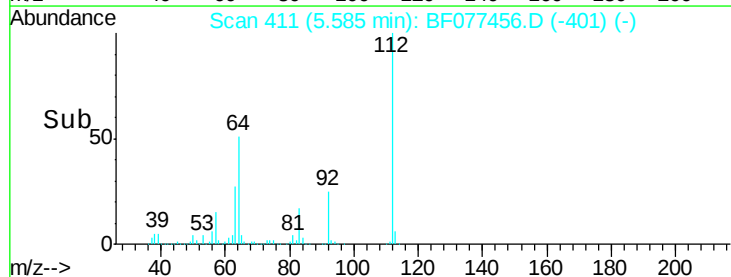


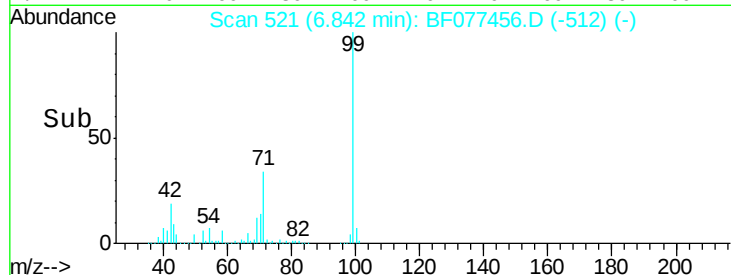
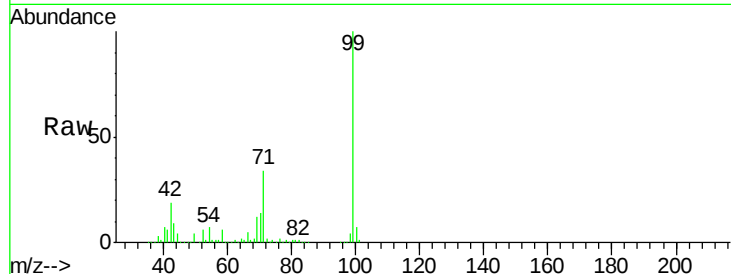
#5

2-Fluorophenol
Concen: 79.45 ng
RT: 5.58 min Scan# 411
Delta R.T. 0.01 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51



Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.6	48.5	72.7
63	26.7	25.0	37.4





#7

Phenol-d6

Concen: 75.92 ng

RT: 6.84 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Tgt Ion:	99	Resp:	548419
Ion Ratio	Lower	Upper	
99	100		
42	18.6	16.2	24.4
71	33.6	26.7	40.1

Instrument :

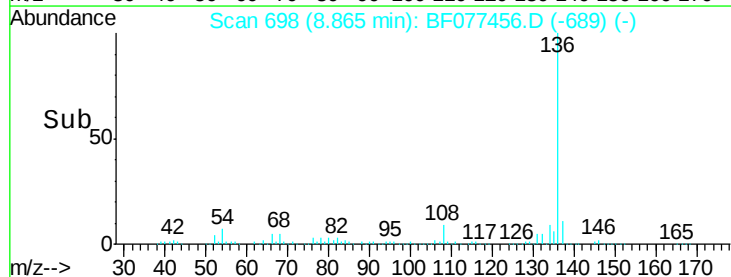
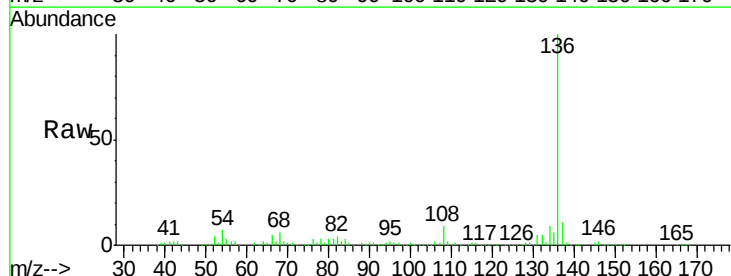
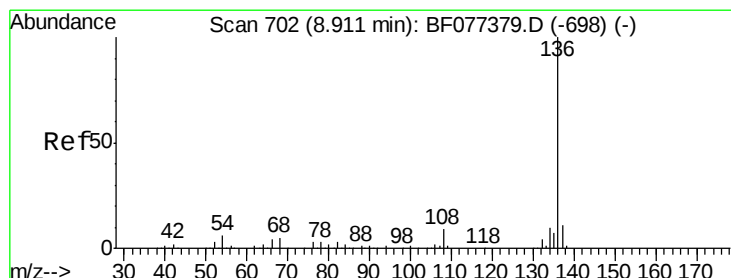
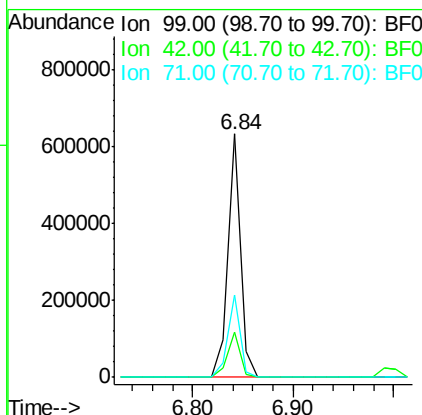
BNA_F

ClientSampleId :

WASTE

Manual Integrations
APPROVED

apatel
2/27/2015 10:56:29 AM



#21

Naphthalene-d8

Concen: 20.00 ng

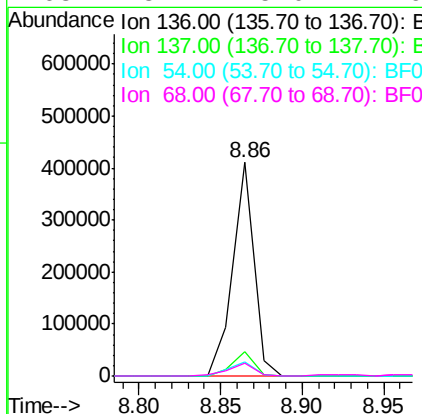
RT: 8.86 min Scan# 698

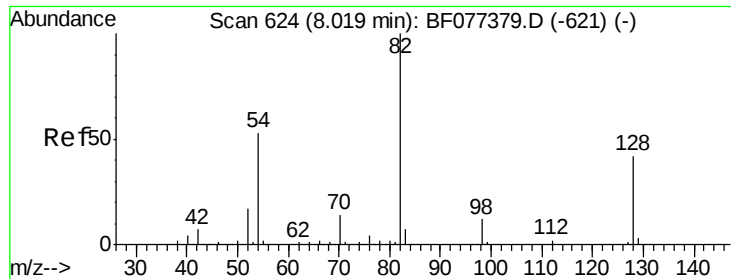
Delta R.T. -0.00 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Tgt Ion:	136	Resp:	367036
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.6	13.0
54	6.8	6.2	9.4
68	5.7	5.0	7.6





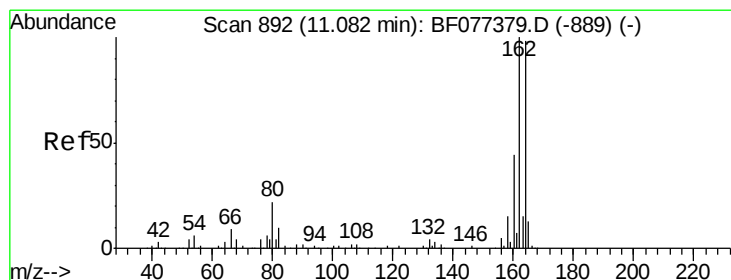
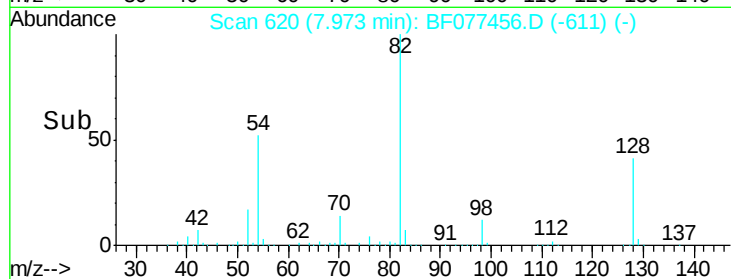
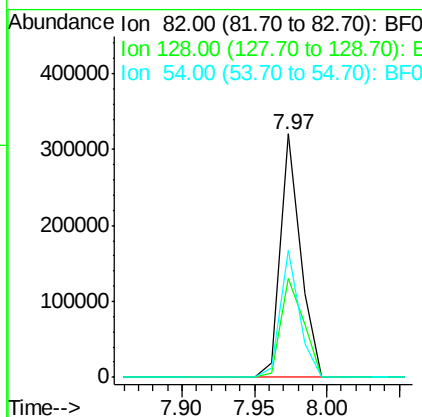
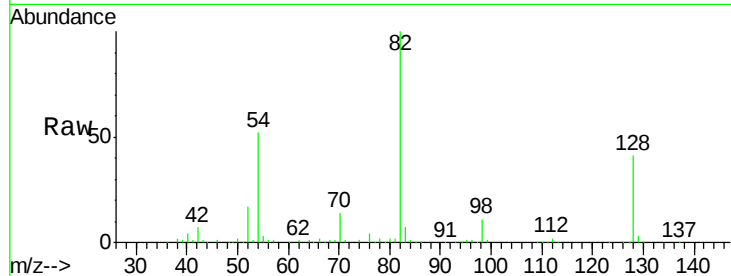
#23
 Nitrobenzene-d5
 Concen: 52.84 ng
 RT: 7.97 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF077456.D
 Acq: 26 Feb 2015 3:51

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	311868		
128	40.8	43.8	65.8#	
54	52.4	36.7	55.1	

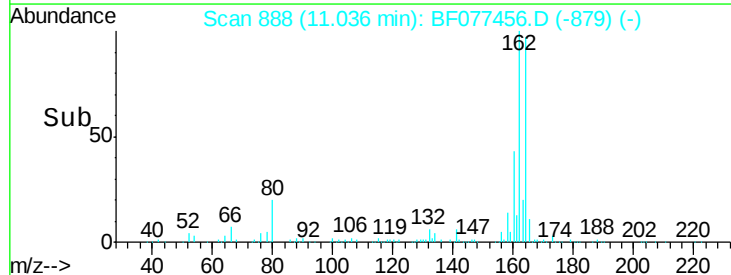
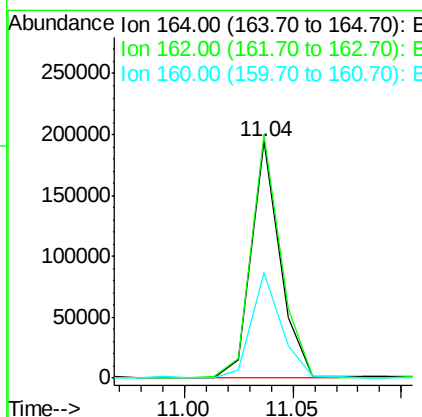
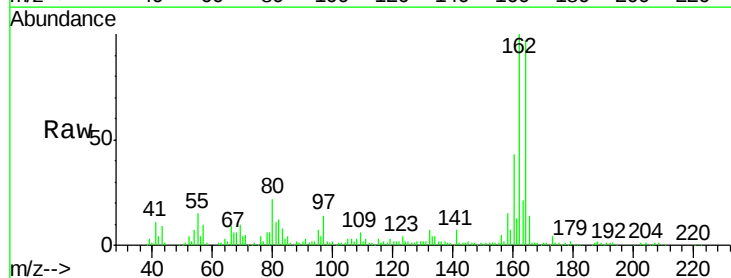
Manual Integrations
 APPROVED

apatel
 2/27/2015 10:56:29 AM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.04 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: BF077456.D
 Acq: 26 Feb 2015 3:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	177295		
162	102.8	83.2	124.8	
160	44.4	34.6	52.0	





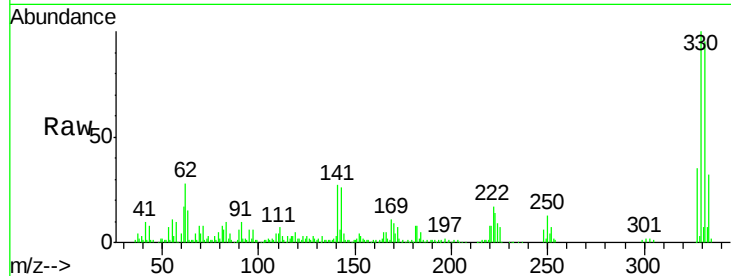
#41
 2,4,6-Tribromophenol
 Concen: 84.65 ng
 RT: 12.02 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: BF077456.D
 Acq: 26 Feb 2015 3:51

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

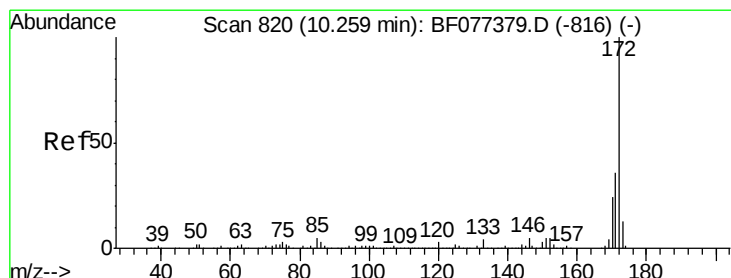
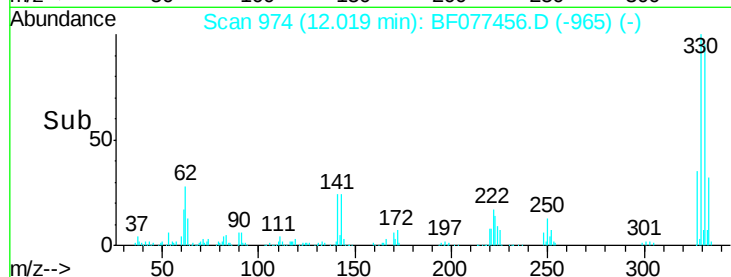
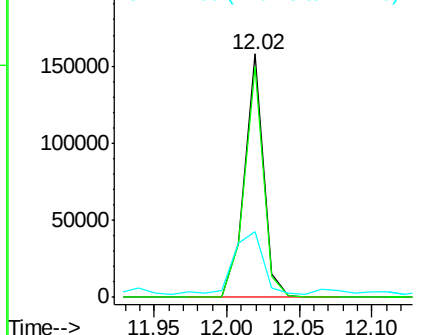
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	144505		
332	94.7	77.4	116.2	
141	39.2	28.8	43.2	

Manual Integrations
 APPROVED

apatel
 2/27/2015 10:56:29 AM



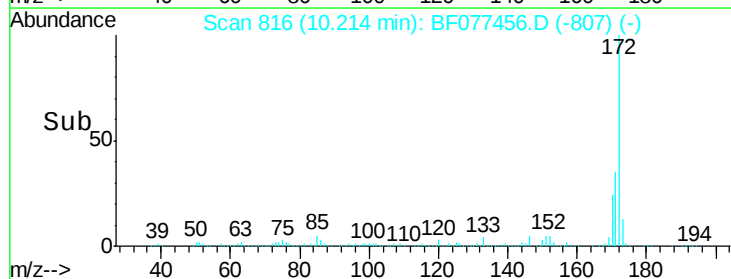
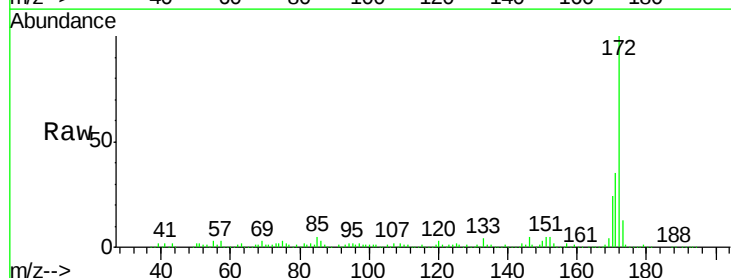
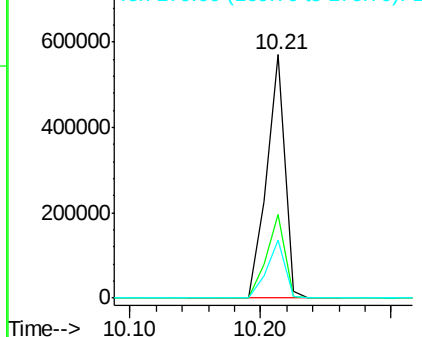
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

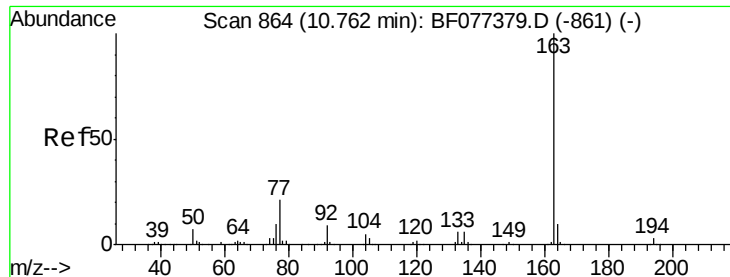


#44
 2-Fluorobiphenyl
 Concen: 49.29 ng
 RT: 10.21 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BF077456.D
 Acq: 26 Feb 2015 3:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	560462		
171	34.6	28.9	43.3	
170	23.7	19.4	29.2	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.82 ng

RT: 10.72 min Scan# 860

Delta R.T. -0.00 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Instrument :

BNA_F

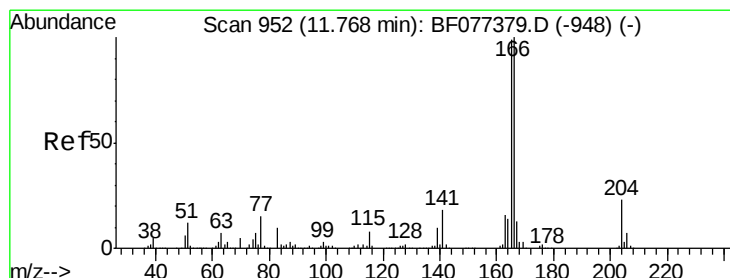
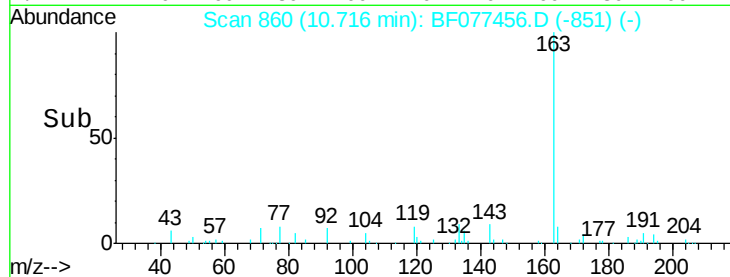
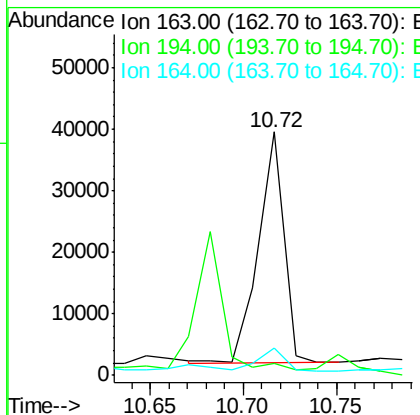
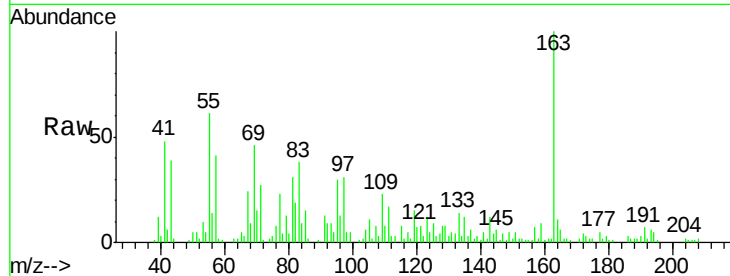
ClientSampleID :

WASTE

Tgt Ion:	163	Resp:	35202
Ion Ratio	Lower	Upper	
163	100		
194	4.9	2.6	4.0#
164	11.4	8.6	13.0

Manual Integrations
APPROVED

apatel
2/27/2015 10:56:29 AM



#57

Fluorene

Concen: 3.32 ng

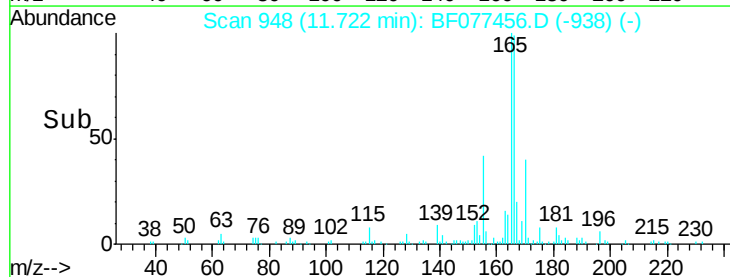
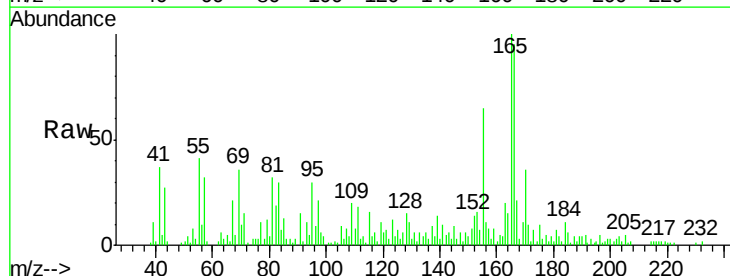
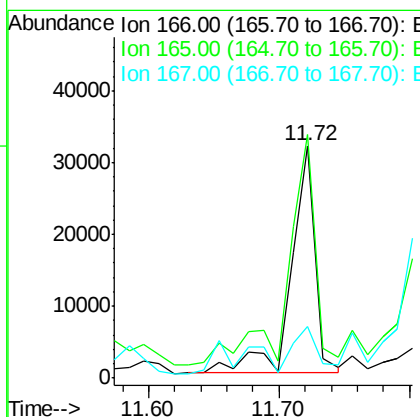
RT: 11.72 min Scan# 948

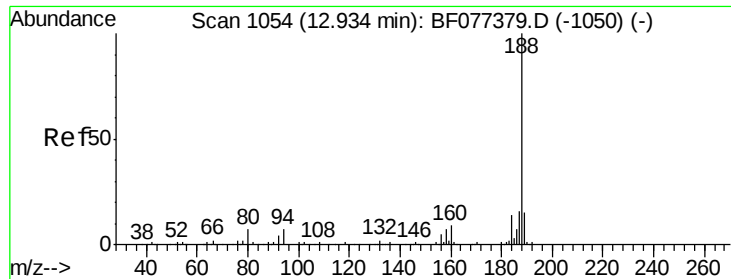
Delta R.T. 0.01 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Tgt Ion:	166	Resp:	40742
Ion Ratio	Lower	Upper	
166	100		
165	104.8	77.6	116.4
167	22.1	10.6	16.0#





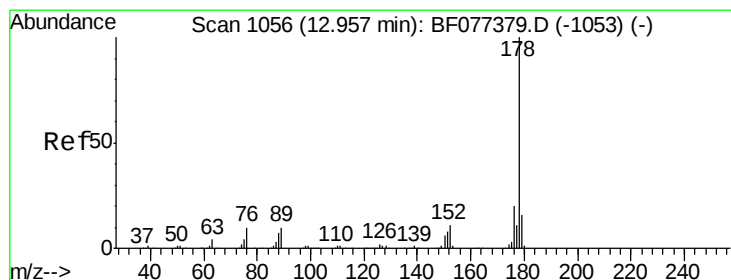
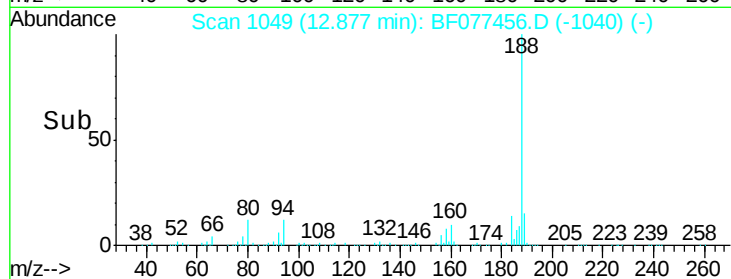
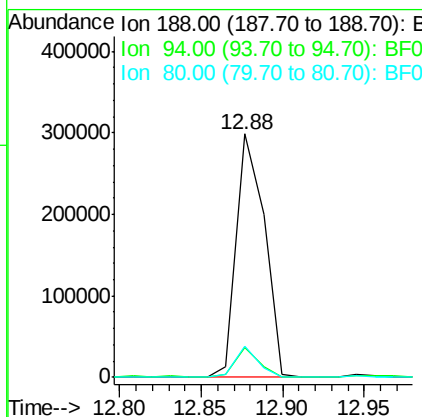
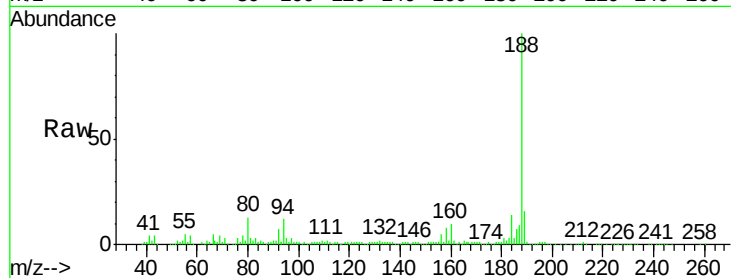
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.88 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.2	7.4	11.2#
80	12.6	8.0	12.0#

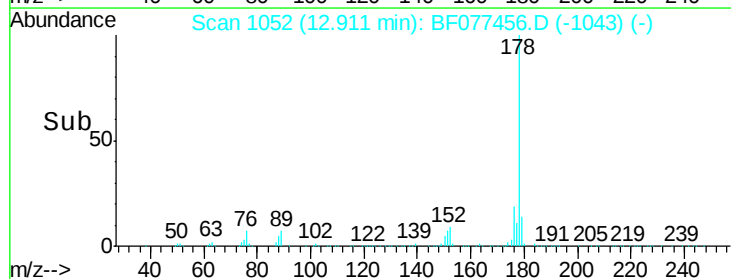
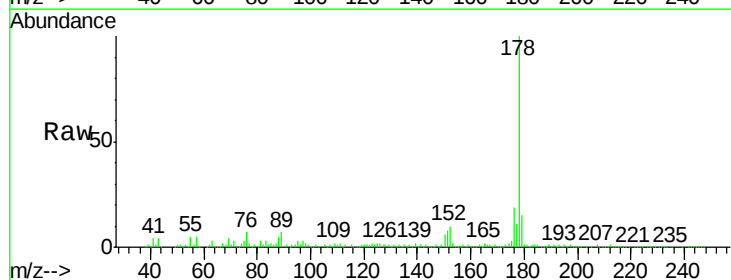
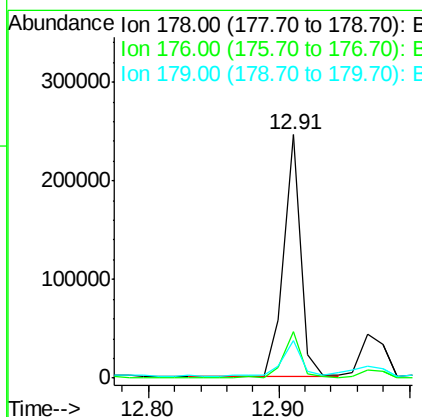
Manual Integrations
APPROVED

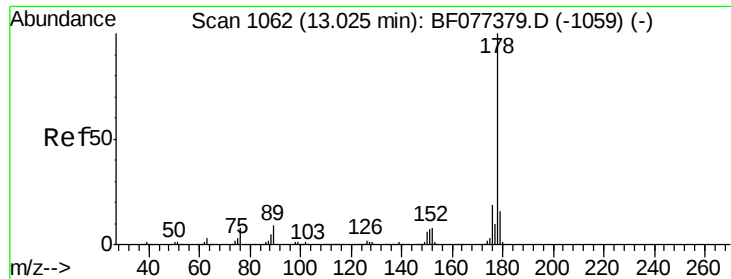
apatel
2/27/2015 10:56:29 AM



#70
Phenanthrene
Concen: 11.11 ng
RT: 12.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	15.5	23.3
179	15.3	12.2	18.2





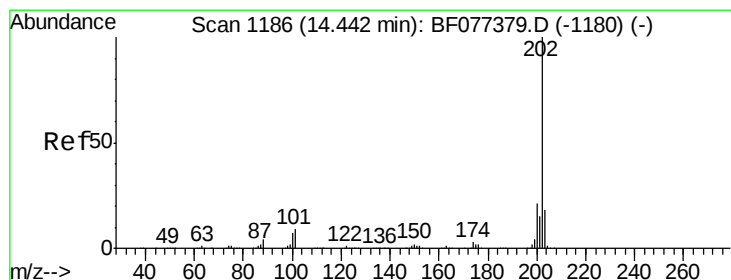
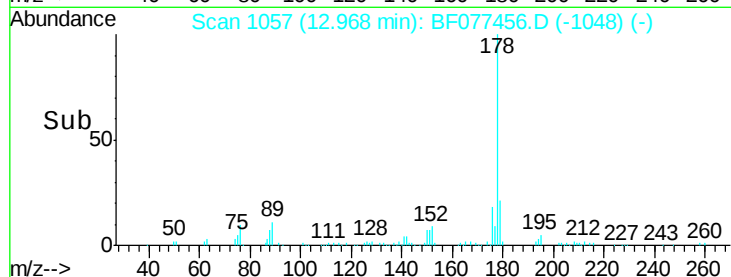
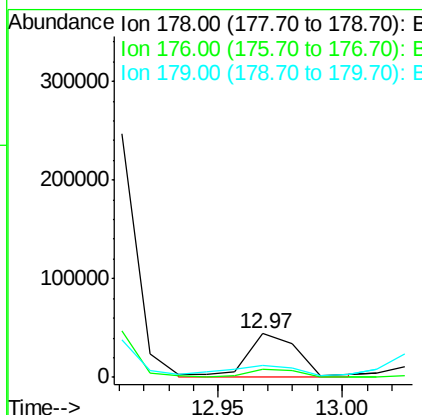
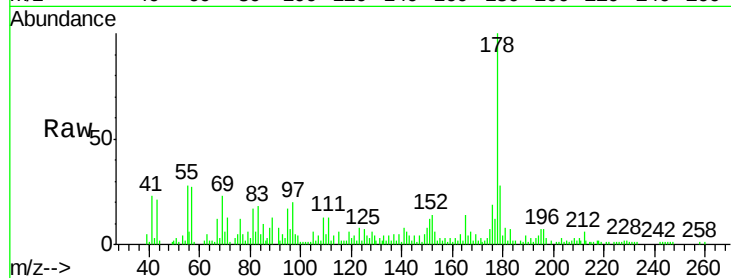
#71
 Anthracene
 Concen: 3.07 ng m
 RT: 12.97 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: BF077456.D
 Acq: 26 Feb 2015 3:51

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	27.9	12.9	19.3

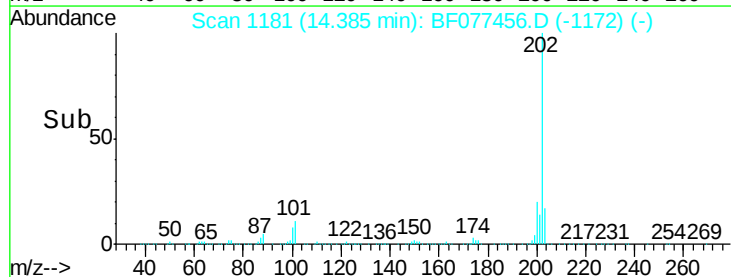
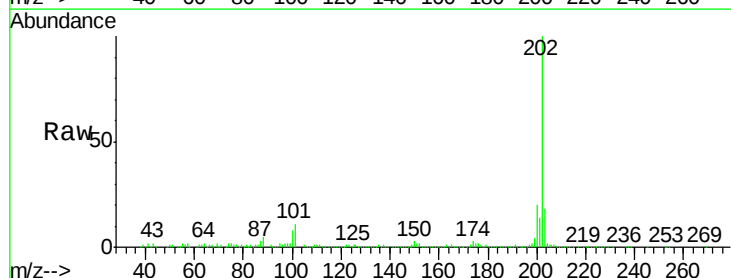
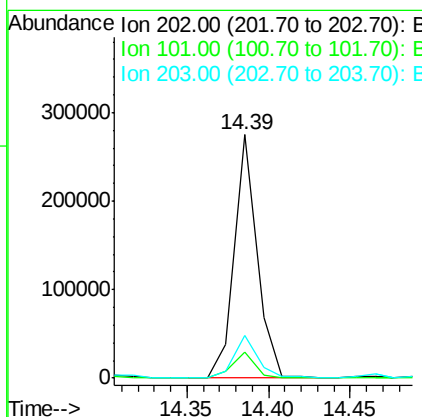
Manual Integrations
 APPROVED

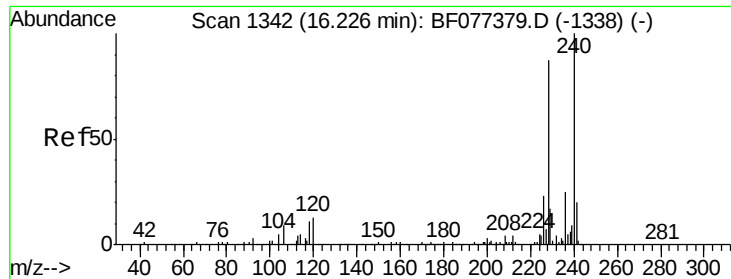
apatel
 2/27/2015 10:56:29 AM



#74
 Fluoranthene
 Concen: 11.75 ng
 RT: 14.39 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BF077456.D
 Acq: 26 Feb 2015 3:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.8
203	17.5	0.0	37.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.17 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Instrument :

BNA_F

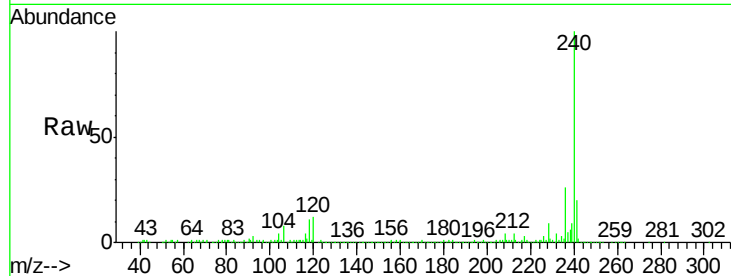
ClientSampleId :

WASTE

Tgt Ion:	240	Resp:	403271
Ion Ratio	Lower	Upper	
240	100		
120	12.3	8.8	13.2
236	25.6	20.7	31.1

Manual Integrations
APPROVED

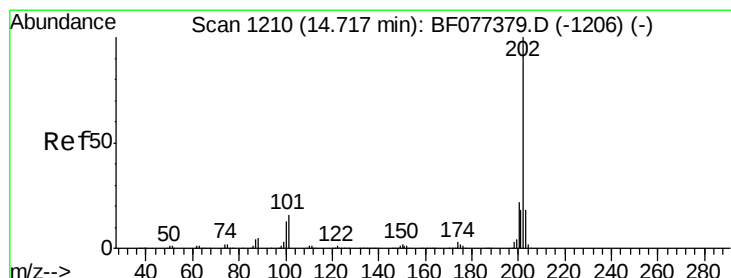
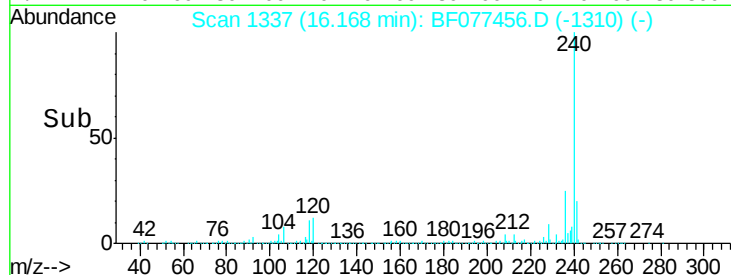
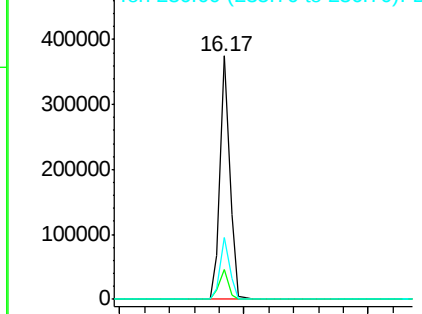
apatel
2/27/2015 10:56:29 AM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 10.07 ng

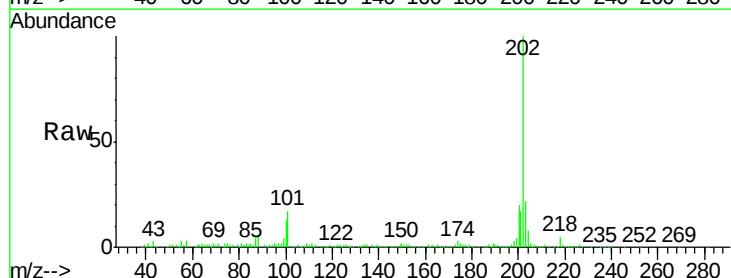
RT: 14.66 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

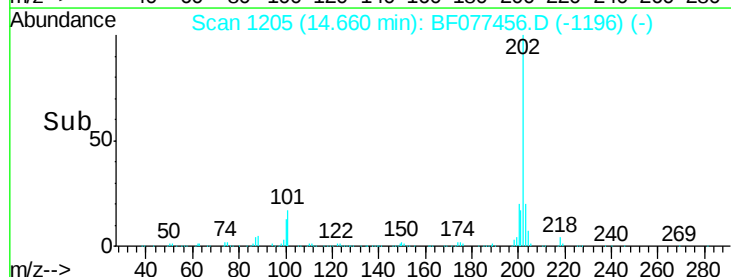
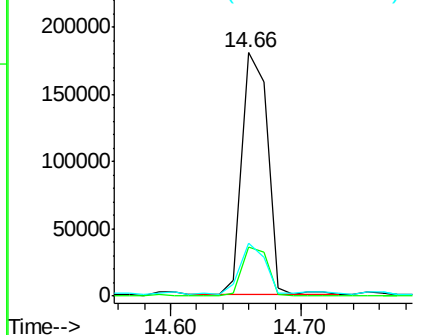
Tgt Ion:	202	Resp:	248288
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.1	25.7
203	21.8	14.2	21.2#

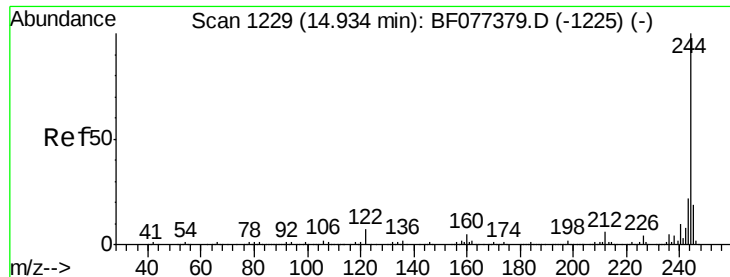


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





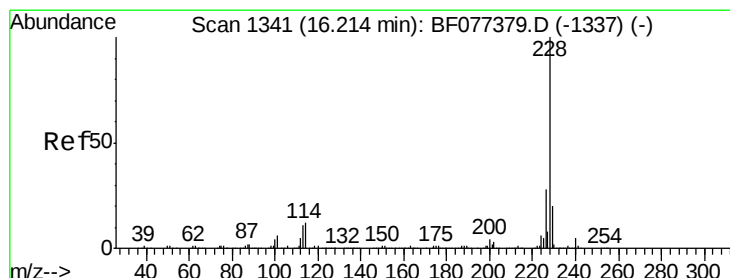
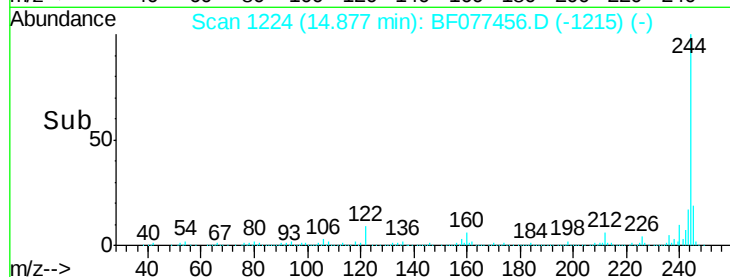
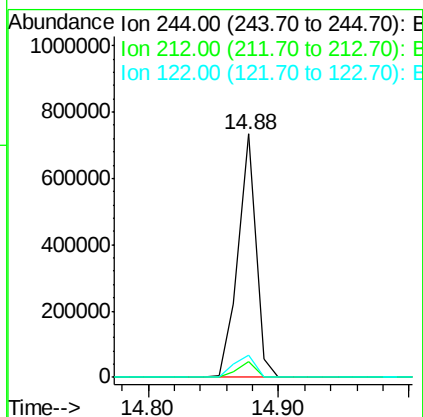
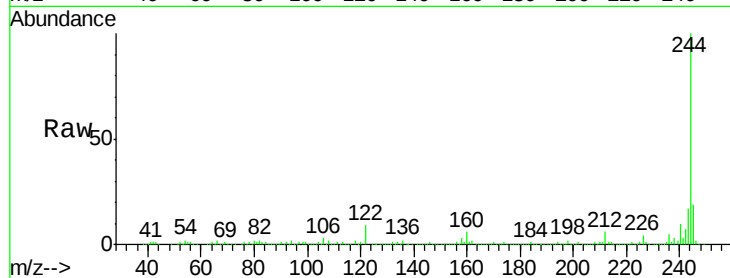
#78
 Terphenyl-d14
 Concen: 40.58 ng
 RT: 14.88 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: BF077456.D
 Acq: 26 Feb 2015 3:51

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.3	5.2	7.8
122	9.1	7.8	11.8

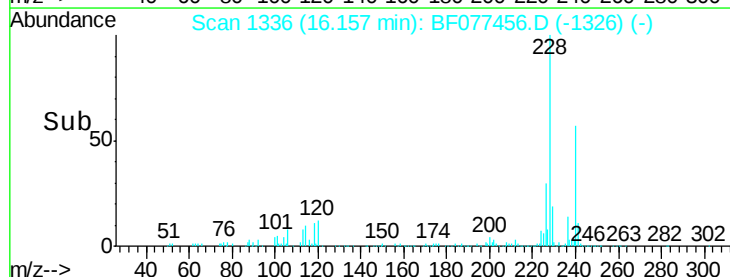
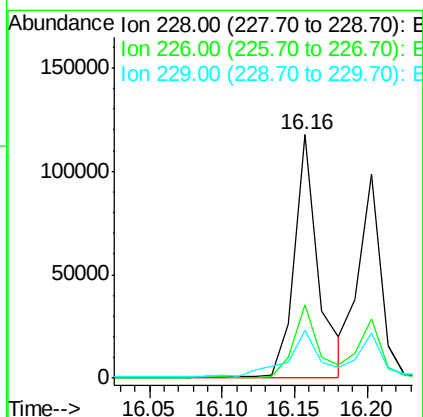
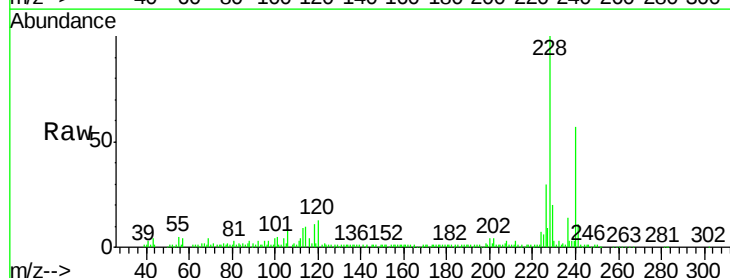
Manual Integrations
 APPROVED

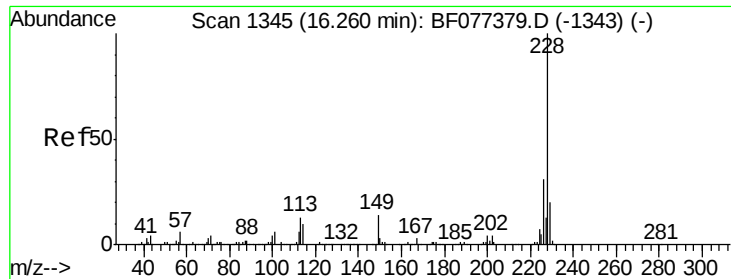
apatel
 2/27/2015 10:56:29 AM



#80
 Benzo(a)anthracene
 Concen: 5.73 ng
 RT: 16.16 min Scan# 1336
 Delta R.T. 0.01 min
 Lab File: BF077456.D
 Acq: 26 Feb 2015 3:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.2	22.0	33.0
229	19.7	15.8	23.8





#82

Chrysene

Concen: 4.69 ng

RT: 16.20 min Scan# 1340

Delta R.T. 0.01 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Instrument :

BNA_F

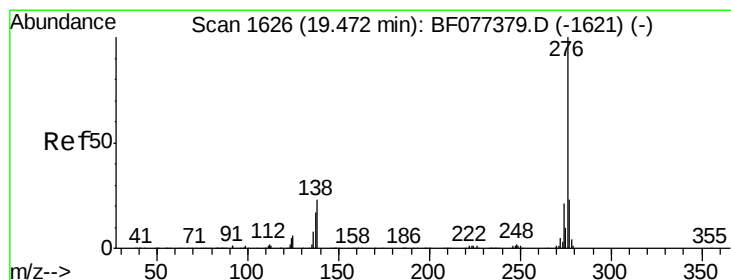
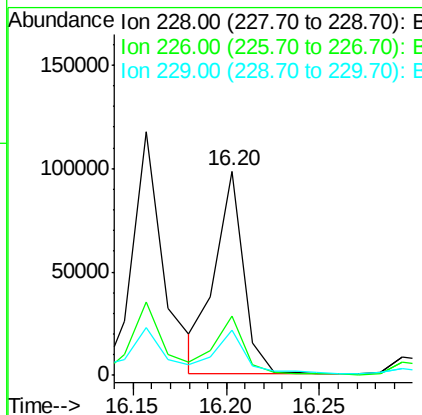
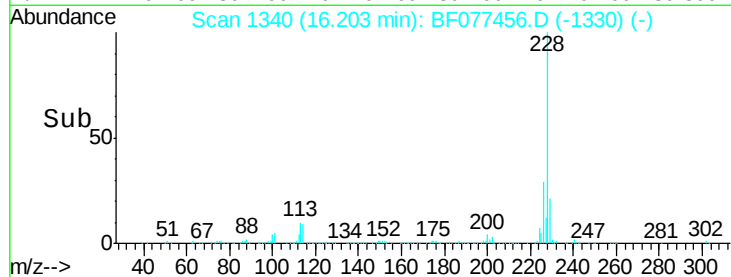
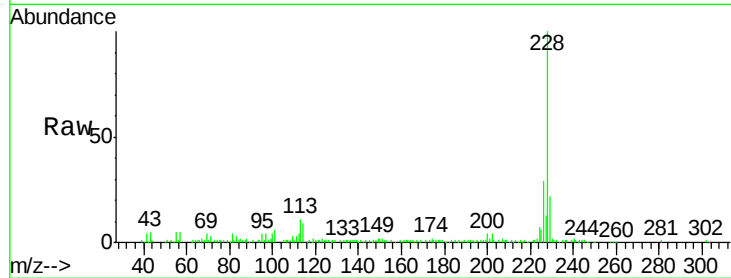
ClientSampled :

WASTE

Tgt Ion:	228	Resp:	104140
Ion Ratio		Lower	Upper
228	100		
226	28.9	24.9	37.3
229	22.3	16.4	24.6

Manual Integrations
APPROVED

apatel
2/27/2015 10:56:29 AM



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.87 ng m

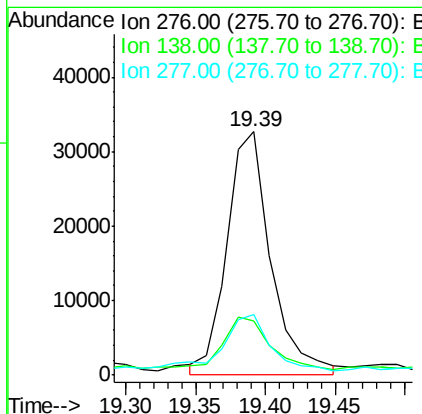
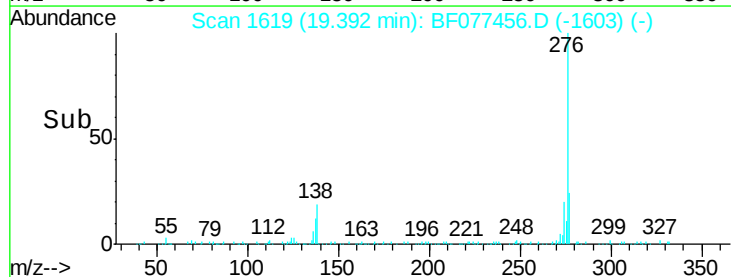
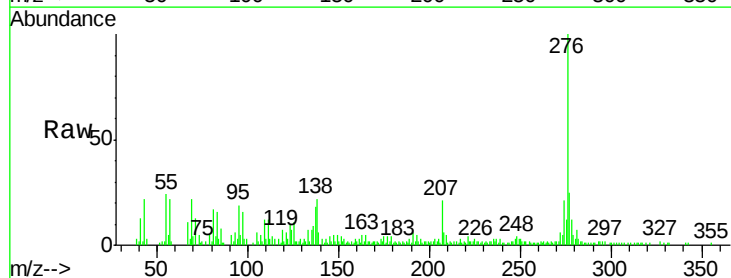
RT: 19.39 min Scan# 1619

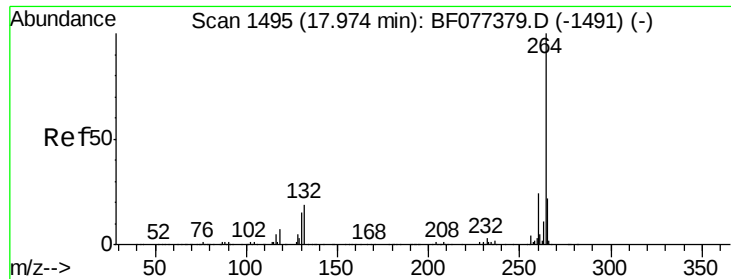
Delta R.T. 0.08 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Tgt Ion:	276	Resp:	72543
Ion Ratio		Lower	Upper
276	100		
138	0.0	21.2	31.8#
277	0.0	20.0	30.0#





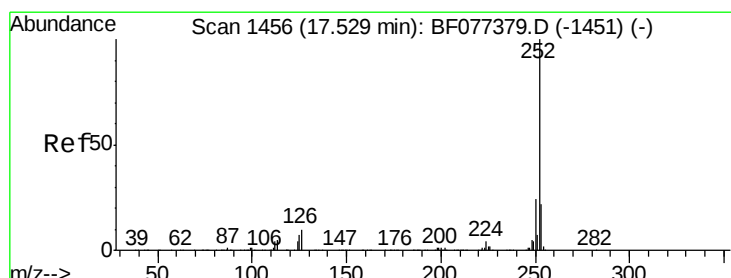
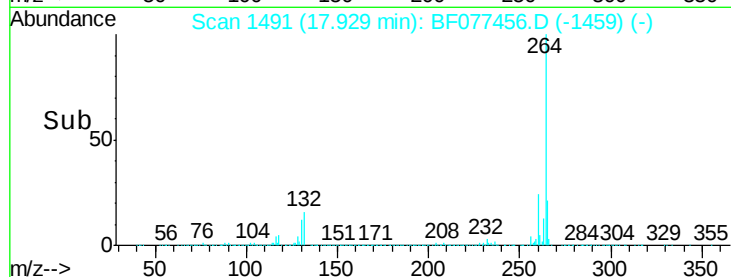
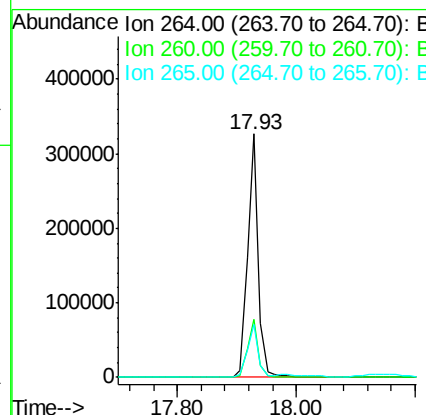
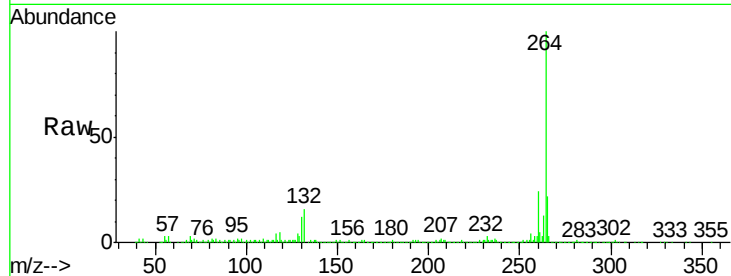
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.93 min Scan# 1491
Delta R.T. 0.07 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	408339		
260	23.7	19.3	28.9	
265	21.6	16.8	25.2	

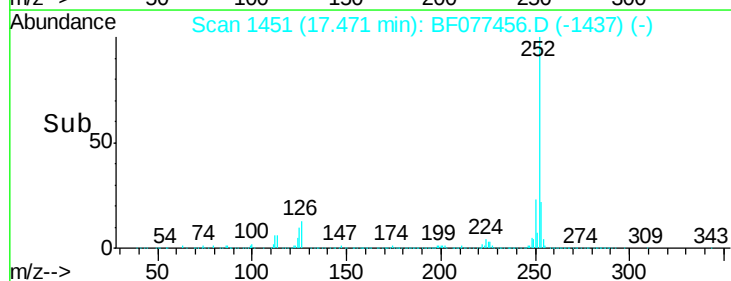
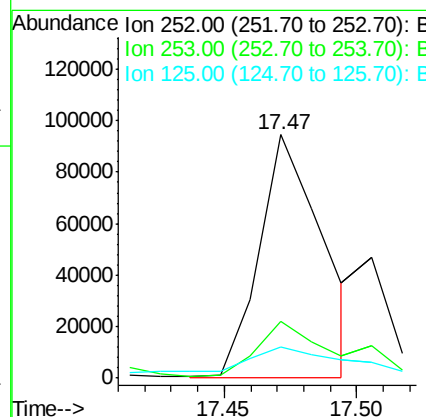
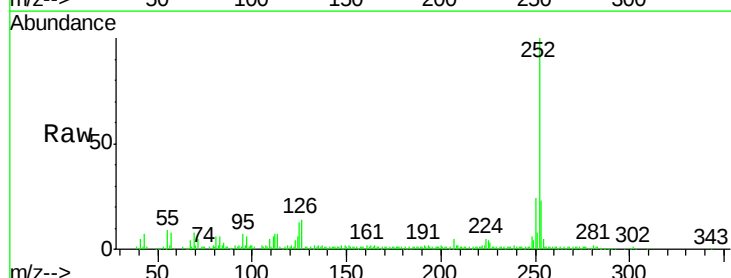
Manual Integrations
APPROVED

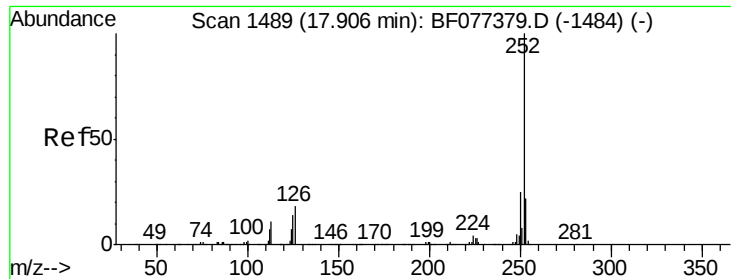
apatel
2/27/2015 10:56:29 AM



#87
Benzo(b)fluoranthene
Concen: 6.61 ng m
RT: 17.47 min Scan# 1451
Delta R.T. 0.06 min
Lab File: BF077456.D
Acq: 26 Feb 2015 3:51

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	157008		
253	23.3	17.6	26.4	
125	12.7	5.4	8.2	





#89

Benzo(a)pyrene

Concen: 4.74 ng

RT: 17.86 min Scan# 1485

Delta R.T. 0.07 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Instrument :

BNA_F

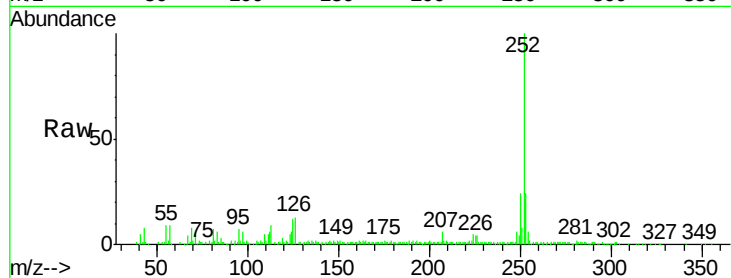
ClientSampleId :

WASTE

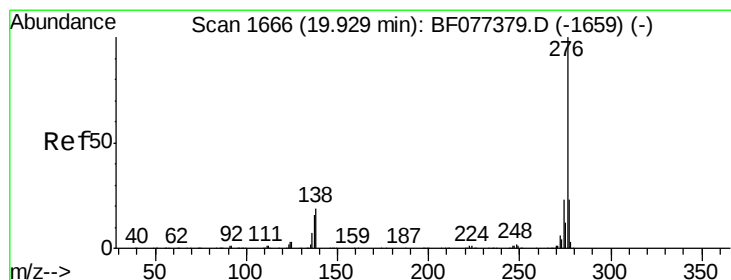
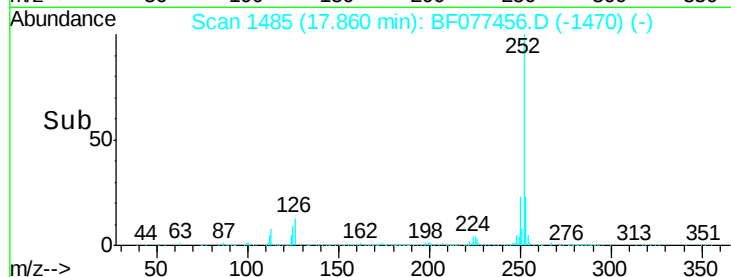
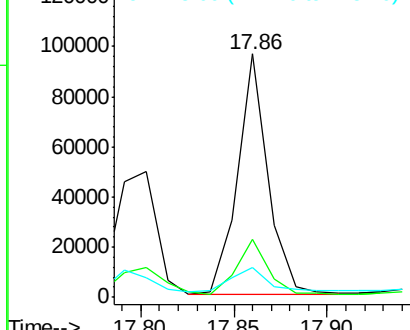
Tgt Ion:	252	Resp:	107233
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.2	27.2
125	12.3	8.3	12.5

Manual Integrations
APPROVED

apatel
2/27/2015 10:56:29 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



#91

Benzo(g,h,i)perylene

Concen: 3.02 ng

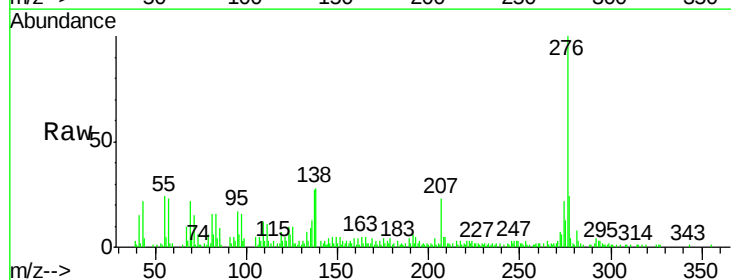
RT: 19.81 min Scan# 1656

Delta R.T. 0.07 min

Lab File: BF077456.D

Acq: 26 Feb 2015 3:51

Tgt Ion:	276	Resp:	65824
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.9	28.3
138	27.7	20.5	30.7



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

