

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070615\
 Data File : BF080363.D
 Acq On : 7 Jul 2015 2:19
 Operator : TP/IZ
 Sample : G2874-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Manual Integrations
 APPROVED

apatel
 7/7/2015 4:26:25 PM

Quant Time: Jul 07 06:05:55 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 03:05:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.23	152	36945	20.00	ng	0.00
21) Naphthalene-d8	8.52	136	137656	20.00	ng	0.00
38) Acenaphthene-d10	10.29	164	65478	20.00	ng	0.00
63) Phenanthrene-d10	11.79	188	139426	20.00	ng	0.00
75) Chrysene-d12	14.71	240	152209	20.00	ng	-0.03
86) Perylene-d12	16.53	264	151794	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.84	112	241342	119.64	ng	0.00
7) Phenol-d6	6.83	99	298844	111.76	ng	0.00
23) Nitrobenzene-d5	7.79	82	170774	72.36	ng	0.00
41) 2,4,6-Tribromophenol	11.08	330	81941	119.60	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	413610	85.25	ng	0.00
78) Terphenyl-d14	13.46	244	470854	72.16	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	10.14	152	40217	5.45	ng	99
49) Dimethylphthalate	9.98	163	66936	12.73	ng	99
70) Phenanthrene	11.81	178	207638	24.83	ng	99
71) Anthracene	11.86	178	104734	12.77	ng	99
72) Carbazole	12.02	167	70972	9.28	ng	99
74) Fluoranthene	13.06	202	931139	103.62	ng	98
77) Pyrene	13.31	202	840150	91.26	ng	98
80) Benzo(a)anthracene	14.69	228	510401m	55.64	ng	
82) Chrysene	14.74	228	348814	40.64	ng	98
85) Indeno(1,2,3-cd)pyrene	18.31	276	324999	32.20	ng	96
87) Benzo(b)fluoranthene	16.02	252	531506m	55.72	ng	
88) Benzo(k)fluoranthene	16.03	252	237763m	26.33	ng	
89) Benzo(a)pyrene	16.45	252	409476	46.94	ng	# 96
90) Dibenzo(a,h)anthracene	18.32	278	57044	6.64	ng	95
91) Benzo(g,h,i)perylene	18.84	276	321241	36.87	ng	99

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

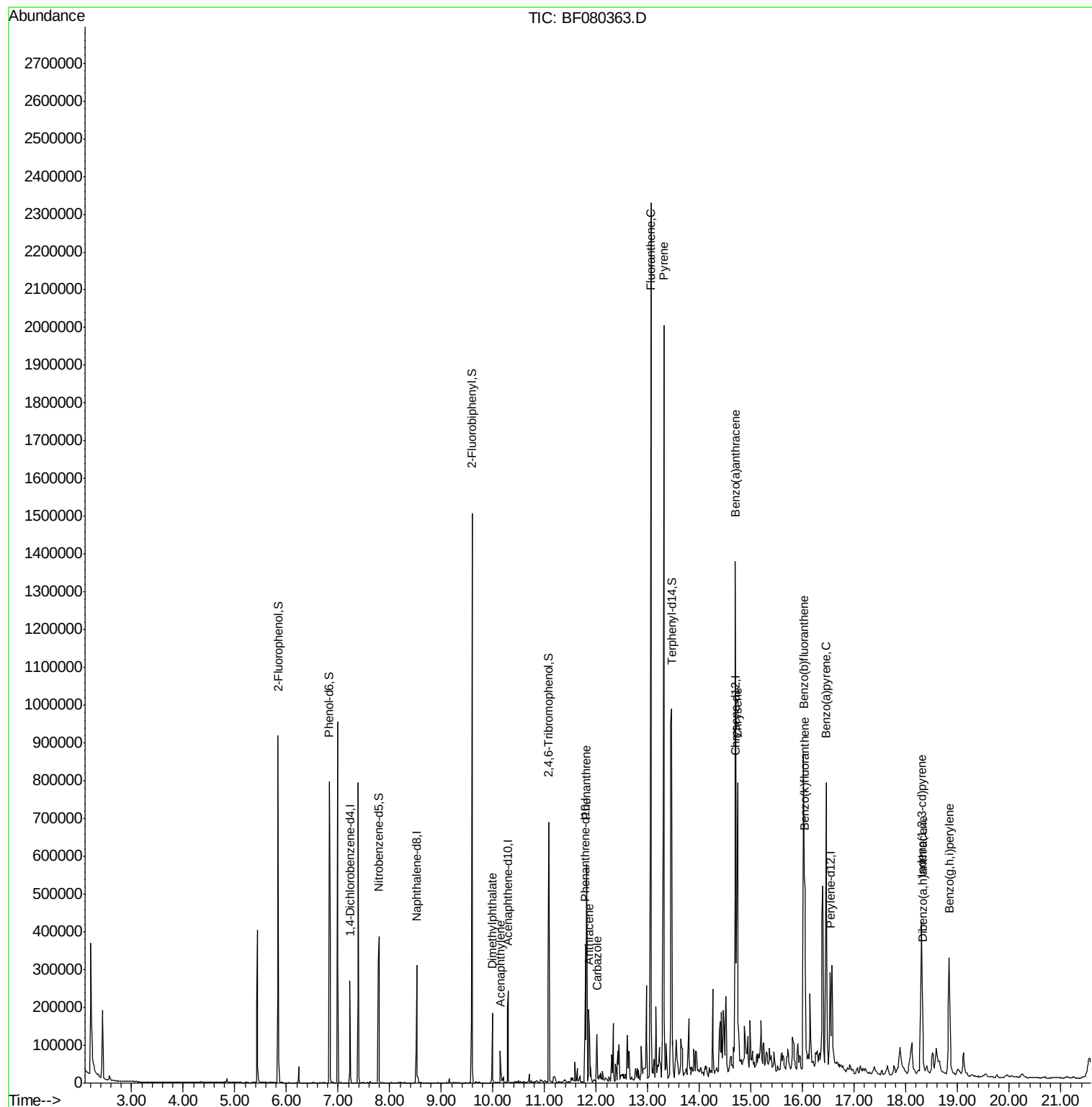
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070615\
Data File : BF080363.D
Acq On : 7 Jul 2015 2:19
Operator : TP/IZ
Sample : G2874-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

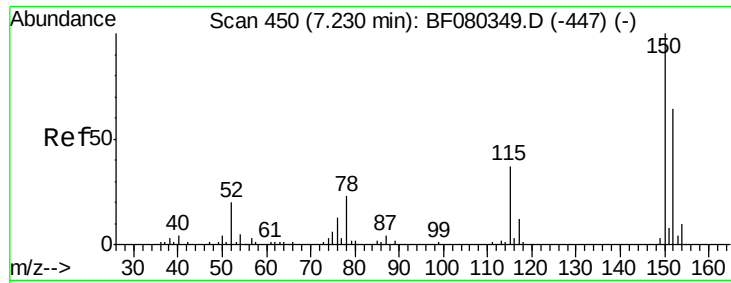
Instrument :
BNA_F
ClientSampleId :
SP-1

Manual Integrations
APPROVED

apatel
7/7/2015 4:26:25 PM

Quant Time: Jul 07 06:05:55 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 07 03:05:40 2015
Response via : Initial Calibration





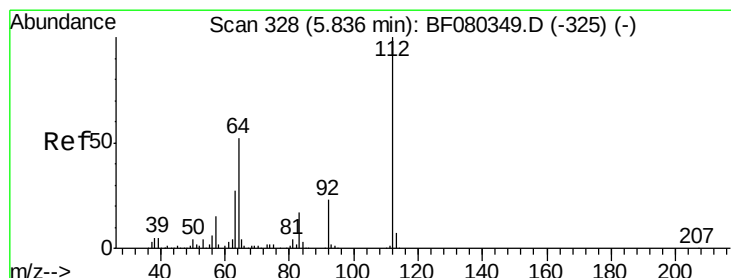
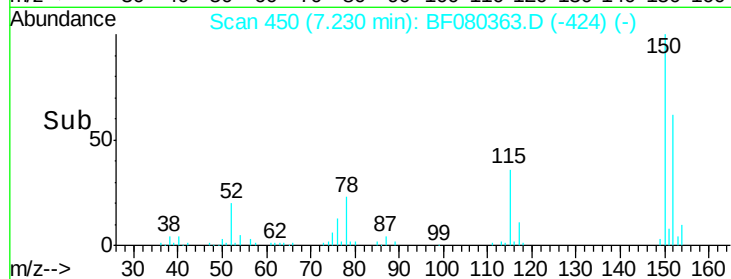
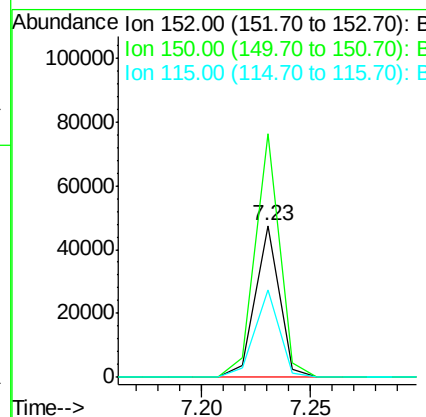
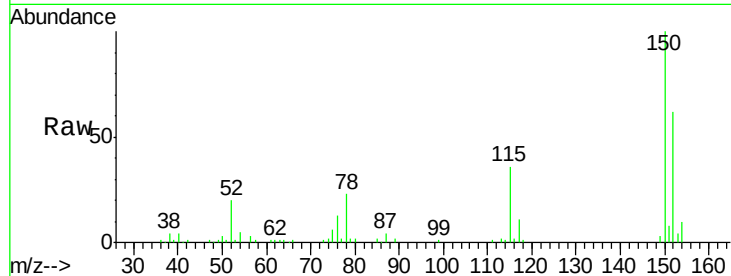
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.23 min Scan# 450
 Delta R.T. -0.00 min
 Lab File: BF080363.D
 Acq: 7 Jul 2015 2:19

Instrument :
 BNA_F
 ClientSampled :
 SP-1

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	36945		
150	160.2	124.7	187.1	
115	57.7	45.7	68.5	

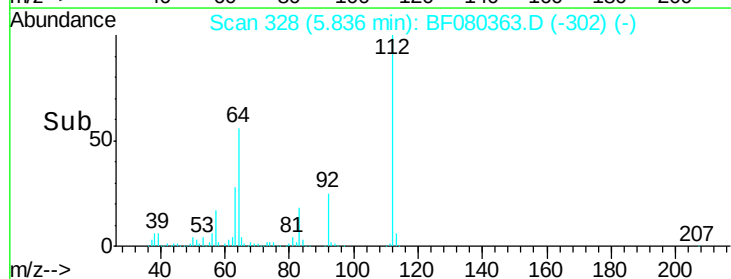
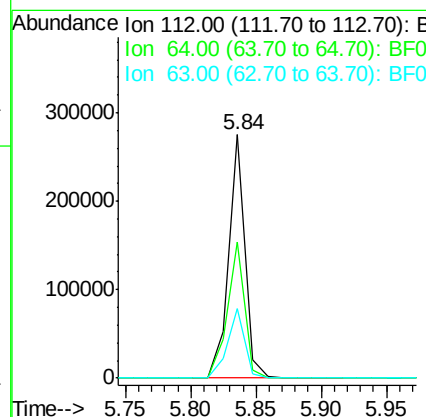
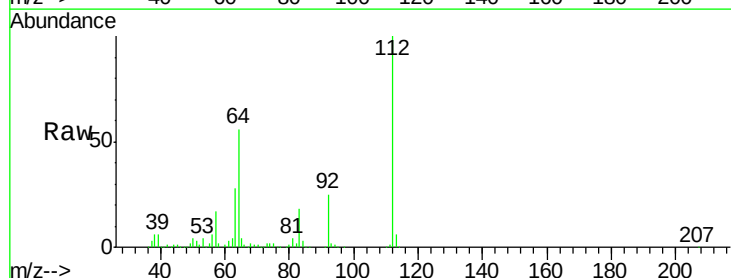
Manual Integrations
 APPROVED

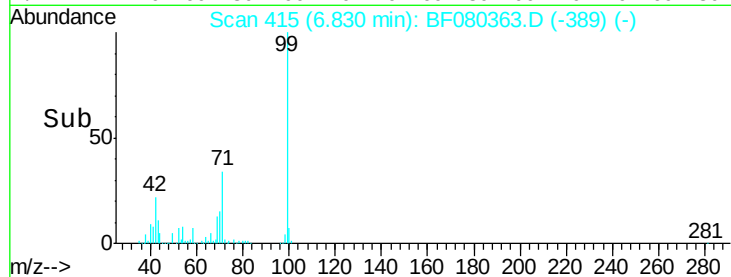
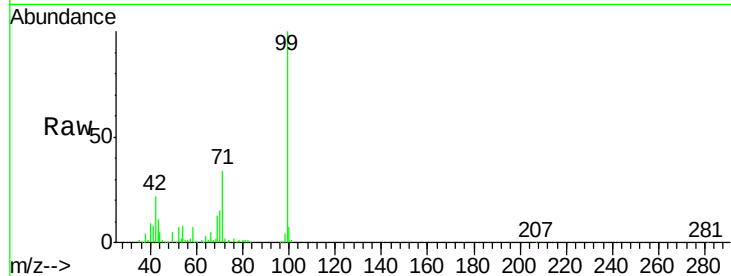
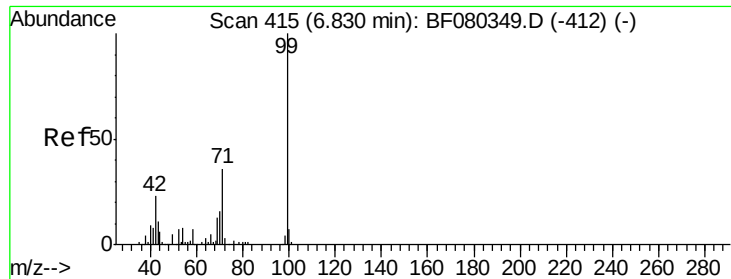
apatel
 7/7/2015 4:26:25 PM



#5
 2-Fluorophenol
 Concen: 119.64 ng
 RT: 5.84 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: BF080363.D
 Acq: 7 Jul 2015 2:19

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	241342		
64	56.1	41.8	62.6	
63	28.5	21.5	32.3	





#7

Phenol-d6

Concen: 111.76 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

Tgt Ion:	99	Resp:	298844
Ion Ratio	Lower	Upper	
99	100		
42	22.5	18.5	27.7
71	34.5	28.5	42.7

Instrument :

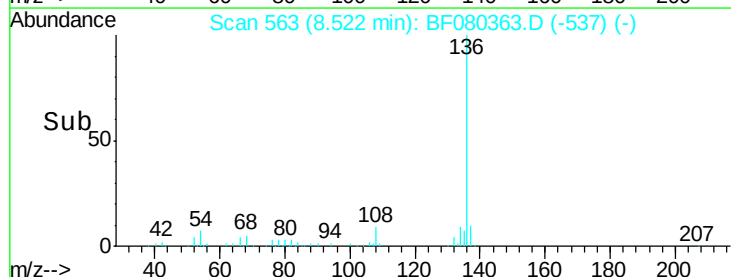
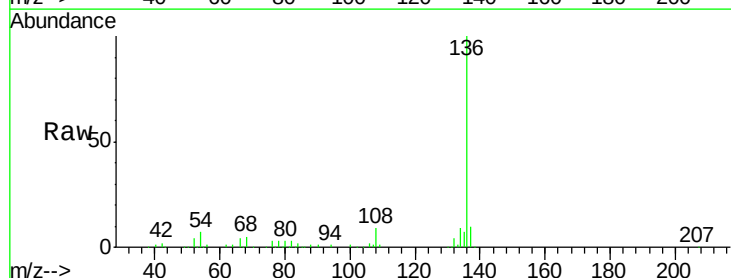
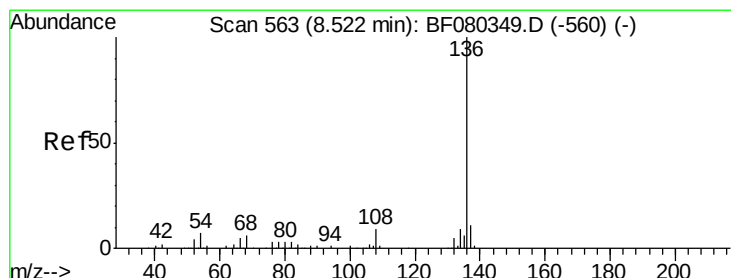
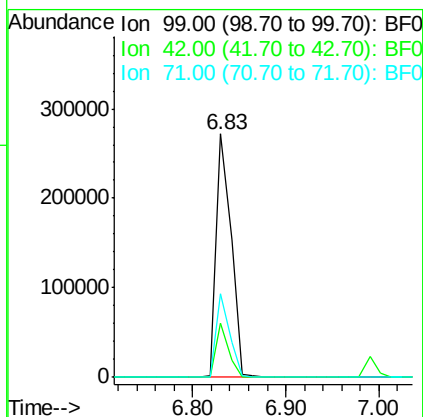
BNA_F

ClientSampleId :

SP-1

Manual Integrations
APPROVED

apatel
7/7/2015 4:26:25 PM



#21

Naphthalene-d8

Concen: 20.00 ng

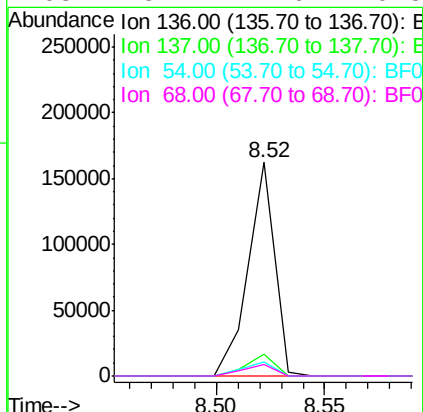
RT: 8.52 min Scan# 563

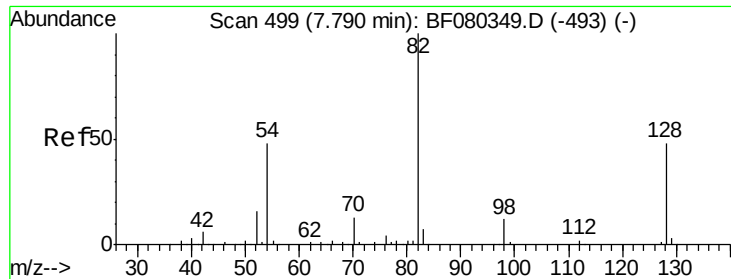
Delta R.T. -0.00 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

Tgt Ion:	136	Resp:	137656
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.5	12.7
54	6.8	5.8	8.8
68	5.2	4.6	6.8





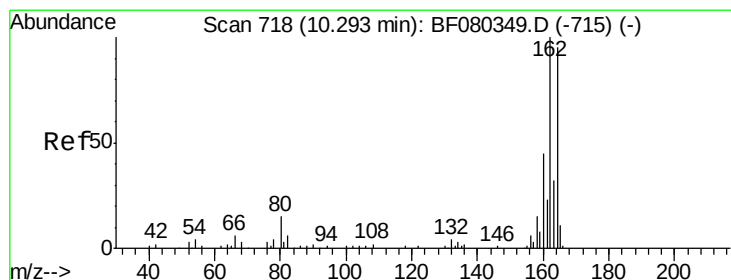
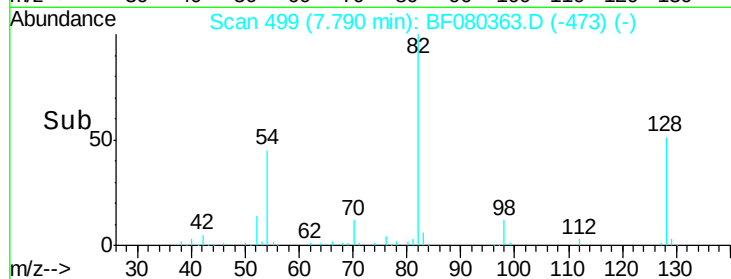
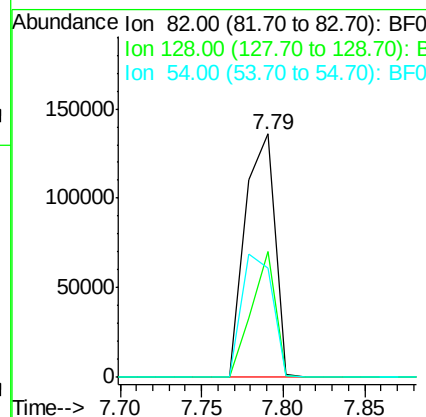
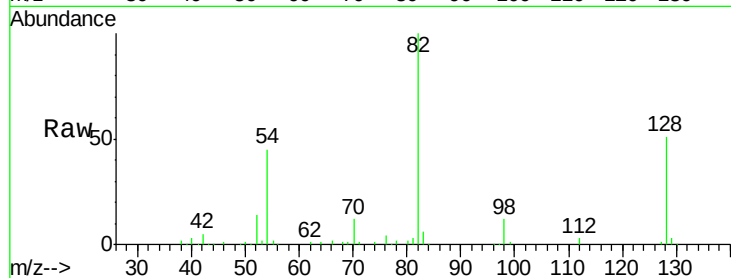
#23
 Nitrobenzene-d5
 Concen: 72.36 ng
 RT: 7.79 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: BF080363.D
 Acq: 7 Jul 2015 2:19

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	170774		
128	51.5	38.4	57.6	
54	44.7	38.2	57.2	

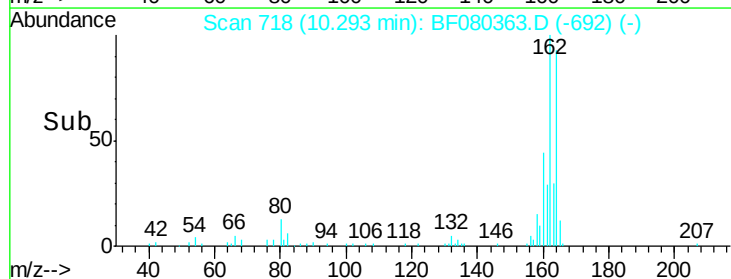
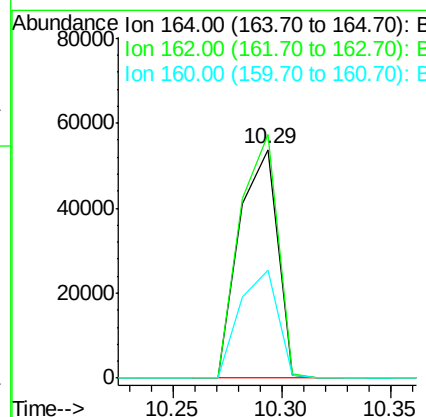
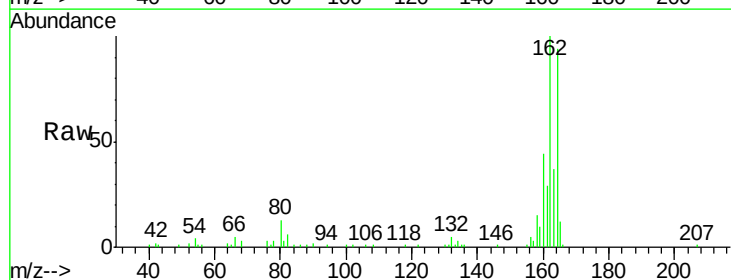
Manual Integrations
 APPROVED

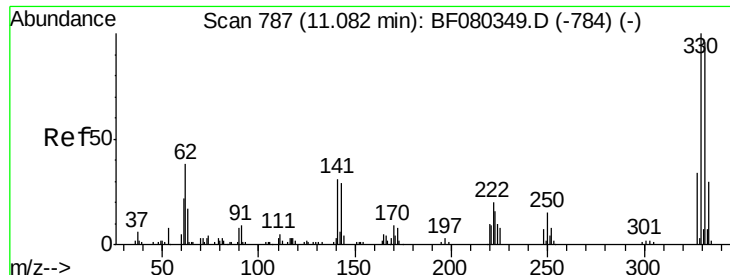
apatel
 7/7/2015 4:26:25 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.29 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: BF080363.D
 Acq: 7 Jul 2015 2:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	65478		
162	106.5	84.5	126.7	
160	47.3	37.7	56.5	





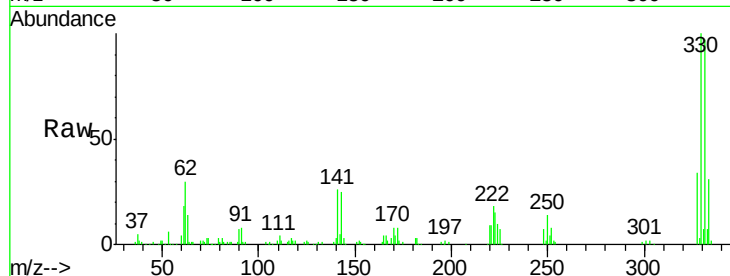
#41
 2,4,6-Tribromophenol
 Concen: 119.60 ng
 RT: 11.08 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF080363.D
 Acq: 7 Jul 2015 2:19

Instrument :
 BNA_F
 ClientSampled :
 SP-1

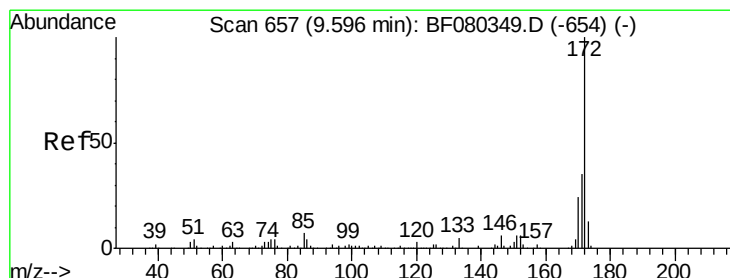
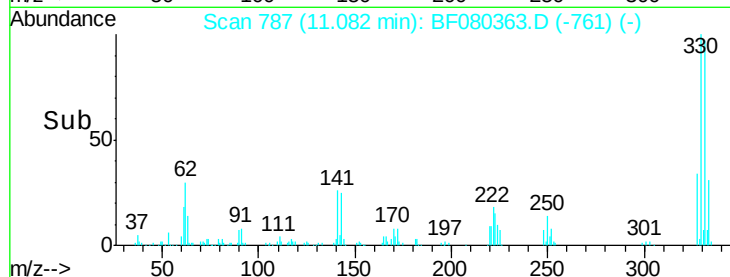
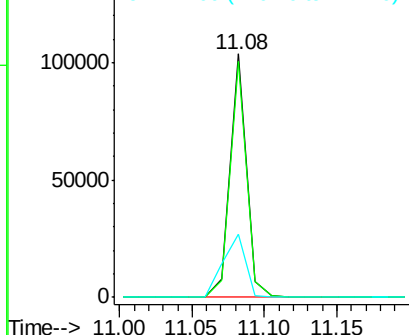
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	81941		
332	96.9	77.0	115.4	
141	35.2	29.6	44.4	

Manual Integrations
 APPROVED

apatel
 7/7/2015 4:26:25 PM

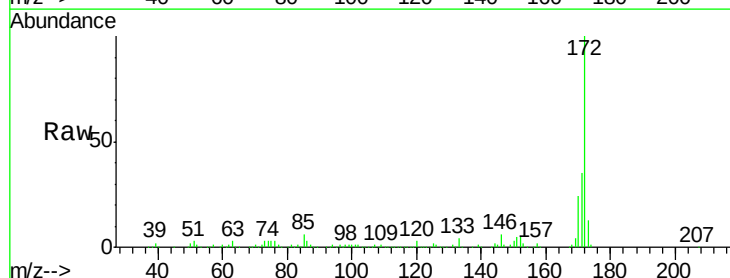


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

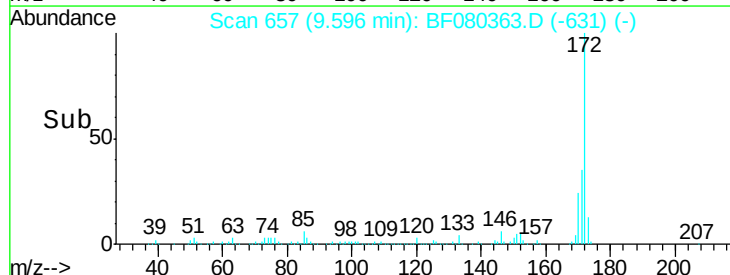
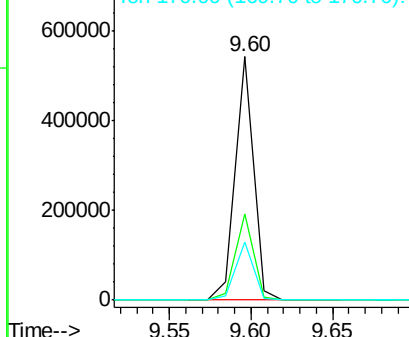


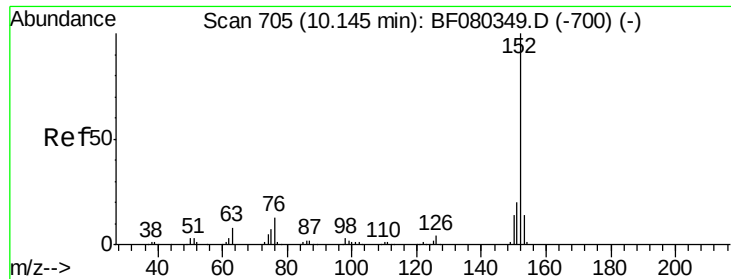
#44
 2-Fluorobiphenyl
 Concen: 85.25 ng
 RT: 9.60 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: BF080363.D
 Acq: 7 Jul 2015 2:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	413610		
171	35.4	28.3	42.5	
170	23.9	19.1	28.7	



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





#48

Acenaphthylene

Concen: 5.45 ng

RT: 10.14 min Scan# 705

Delta R.T. -0.00 min

Lab File: BF080363.D

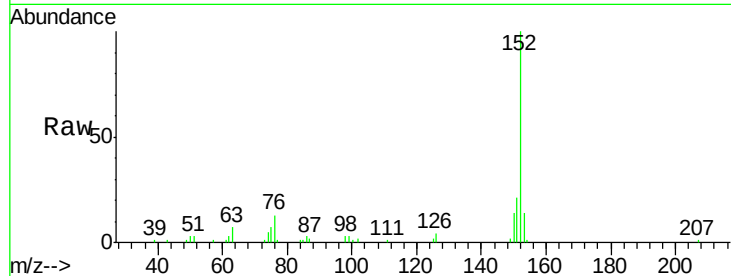
Acq: 7 Jul 2015 2:19

Instrument :

BNA_F

ClientSampled :

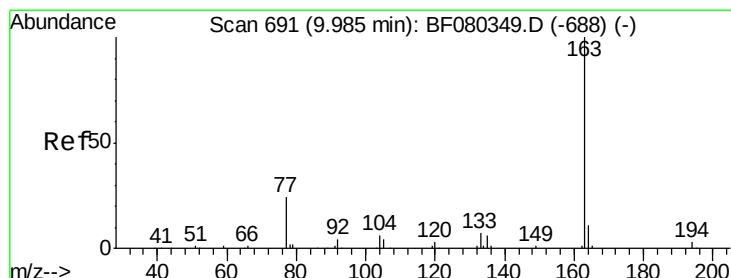
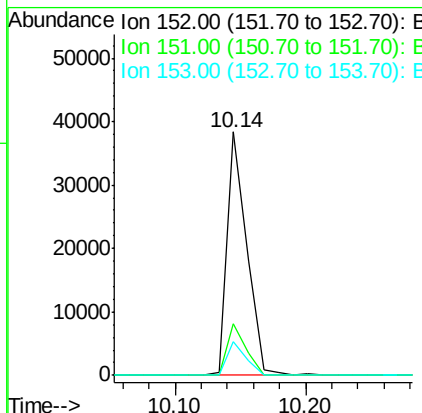
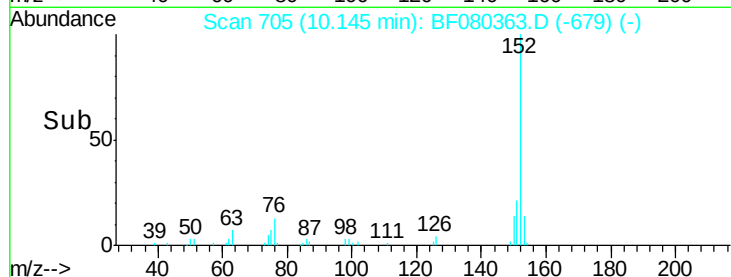
SP-1



Tgt Ion:	152	Resp:	40217
Ion Ratio	Lower	Upper	
152	100		
151	21.2	16.3	24.5
153	13.7	11.0	16.4

Manual Integrations
APPROVED

apatel
7/7/2015 4:26:25 PM



#49

Dimethylphthalate

Concen: 12.73 ng

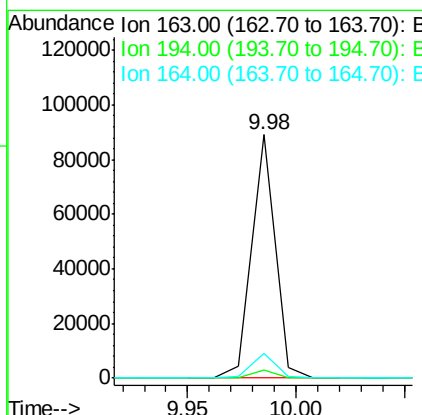
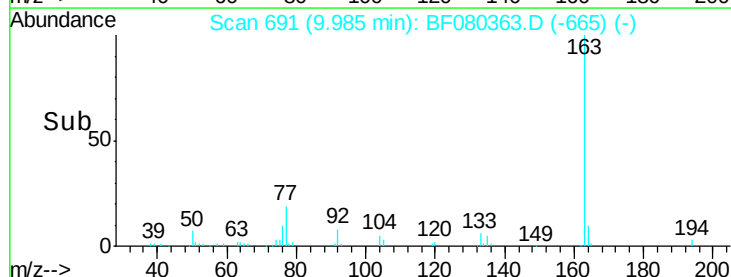
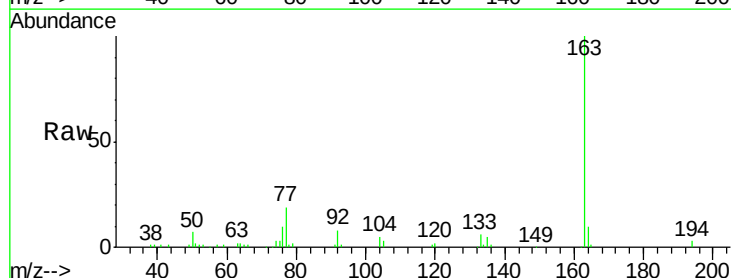
RT: 9.98 min Scan# 691

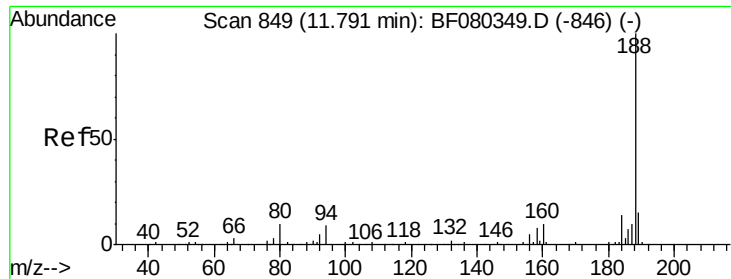
Delta R.T. -0.00 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

Tgt Ion:	163	Resp:	66936
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.6	3.8
164	10.2	8.5	12.7





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.79 min Scan# 849

Delta R.T. -0.00 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

Instrument :

BNA_F

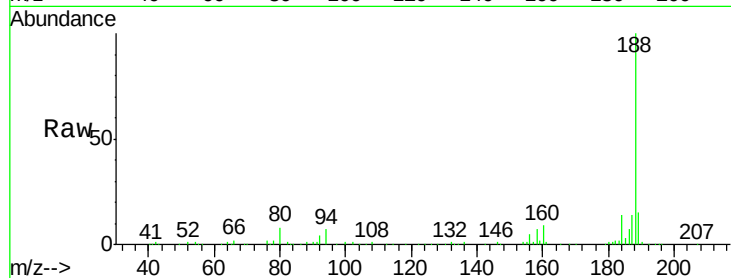
ClientSampled :

SP-1

Tgt Ion:	188	Resp:	139426
Ion Ratio	Lower	Upper	
188	100		
94	7.1	7.5	11.3#
80	7.6	8.3	12.5#

Manual Integrations
APPROVED

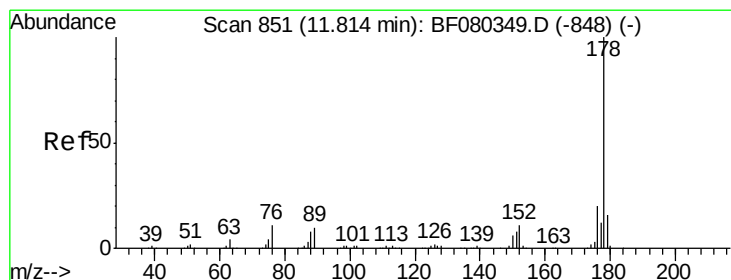
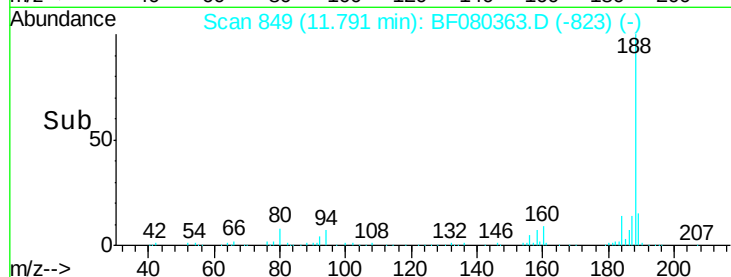
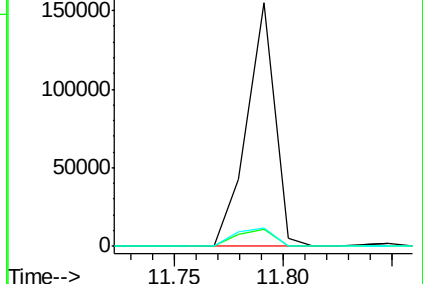
apatel
7/7/2015 4:26:25 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 24.83 ng

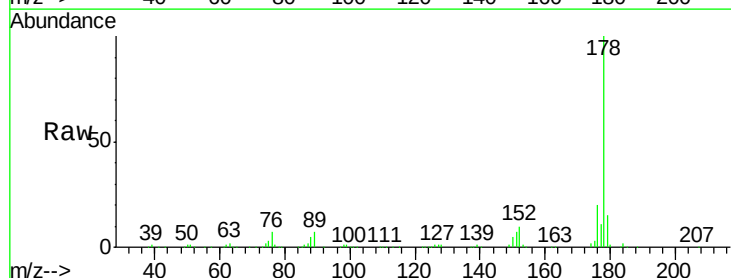
RT: 11.81 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

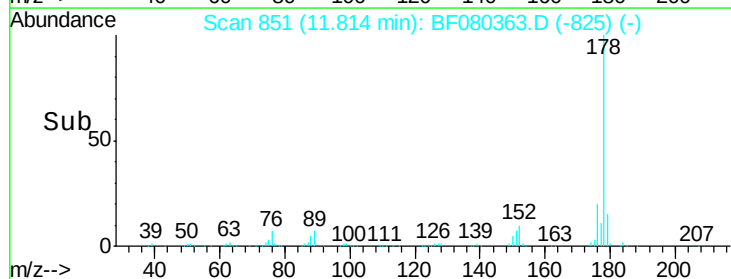
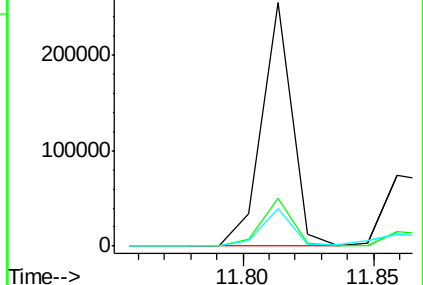
Tgt Ion:	178	Resp:	207638
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.1	24.1
179	15.4	12.6	18.8

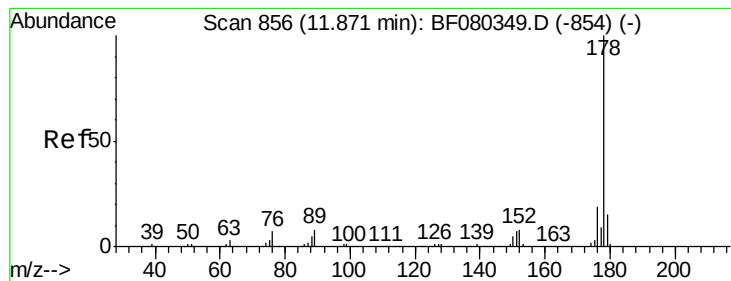


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





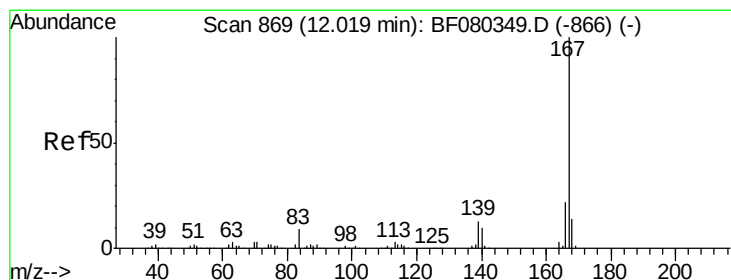
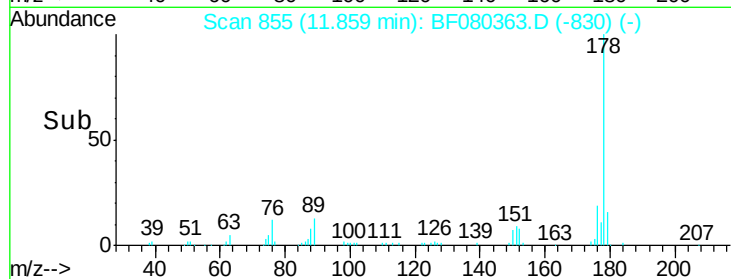
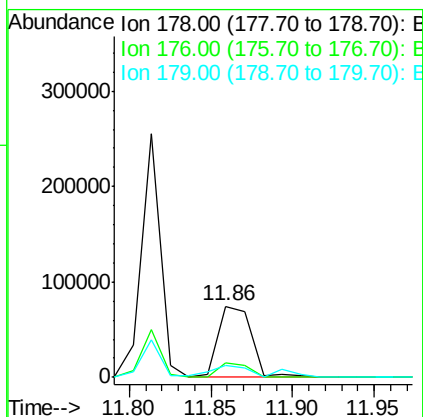
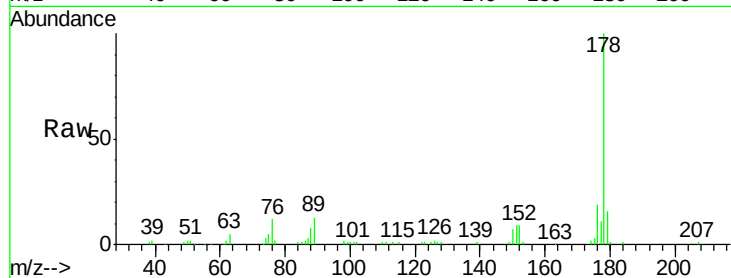
#71
 Anthracene
 Concen: 12.77 ng
 RT: 11.86 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: BF080363.D
 Acq: 7 Jul 2015 2:19

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	16.1	12.3	18.5

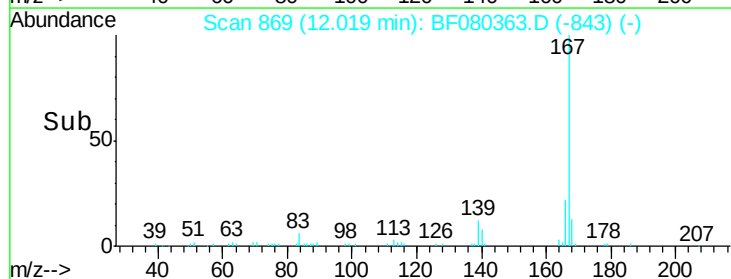
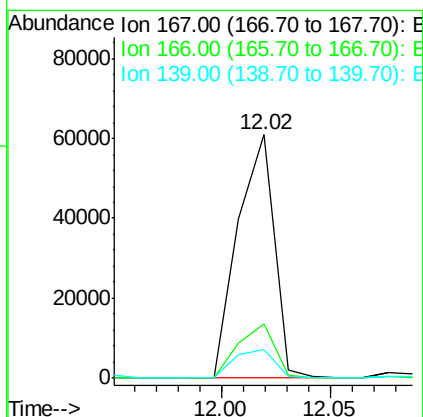
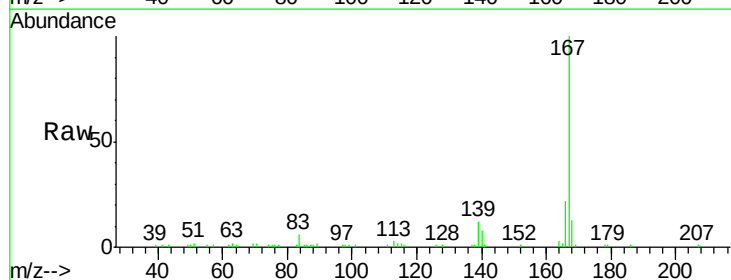
Manual Integrations
 APPROVED

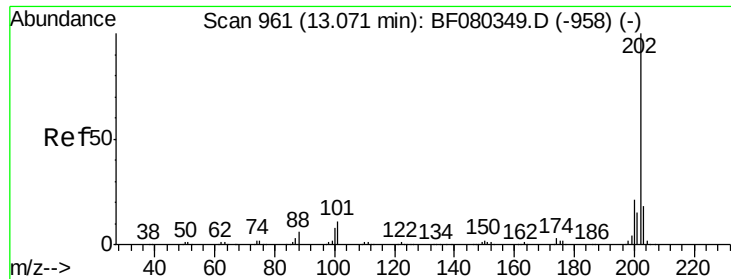
apatel
 7/7/2015 4:26:25 PM



#72
 Carbazole
 Concen: 9.28 ng
 RT: 12.02 min Scan# 869
 Delta R.T. -0.00 min
 Lab File: BF080363.D
 Acq: 7 Jul 2015 2:19

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.8	26.6
139	11.9	10.4	15.6





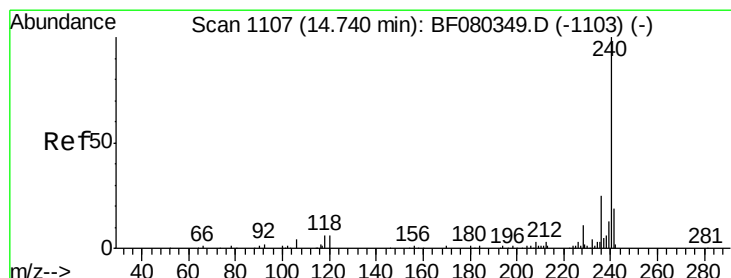
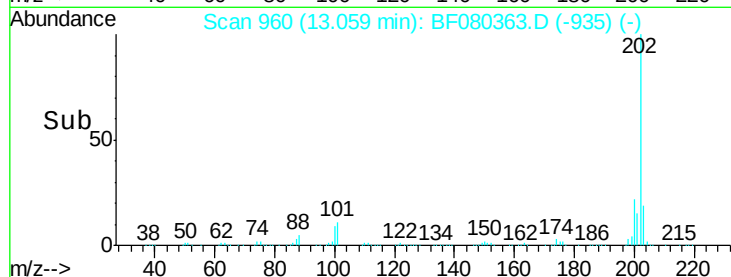
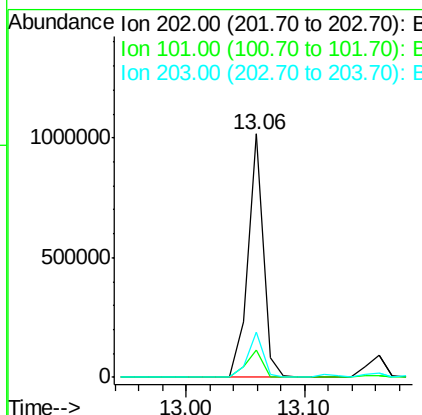
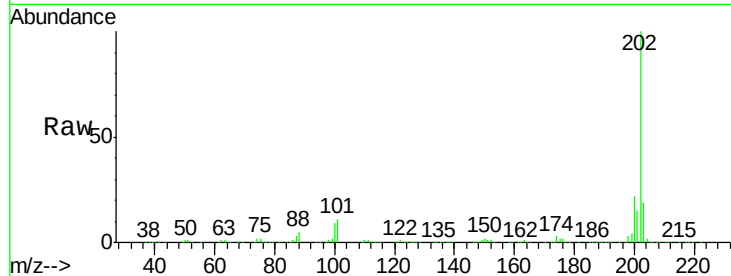
#74
Fluoranthene
Concen: 103.62 ng
RT: 13.06 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Instrument :
BNA_F
ClientSampled :
SP-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.3	0.0	31.0
203	18.6	0.0	37.6

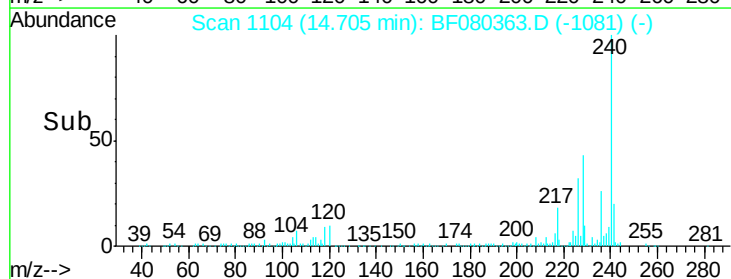
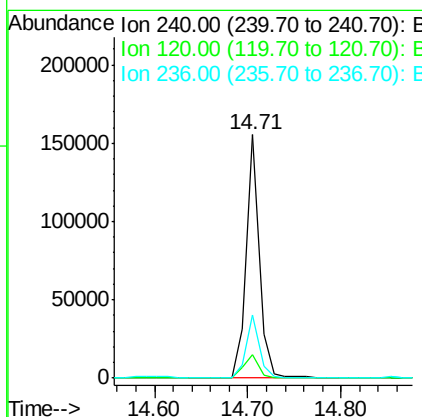
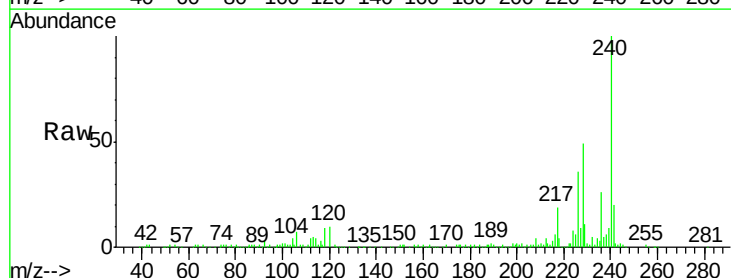
Manual Integrations
APPROVED

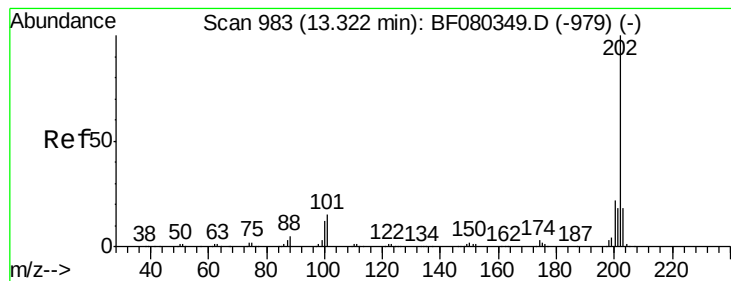
apatel
7/7/2015 4:26:25 PM



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.71 min Scan# 1104
Delta R.T. -0.03 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	9.9	5.1	7.7#
236	26.1	20.4	30.6





#77

Pyrene

Concen: 91.26 ng

RT: 13.31 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

Instrument :

BNA_F

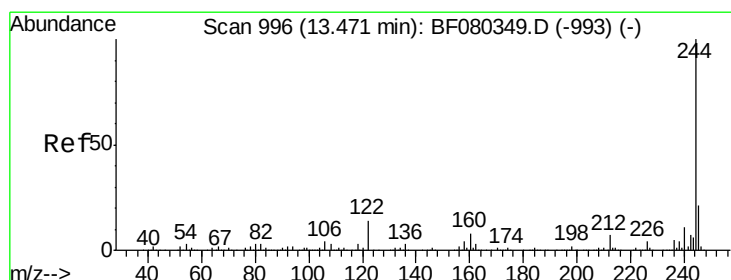
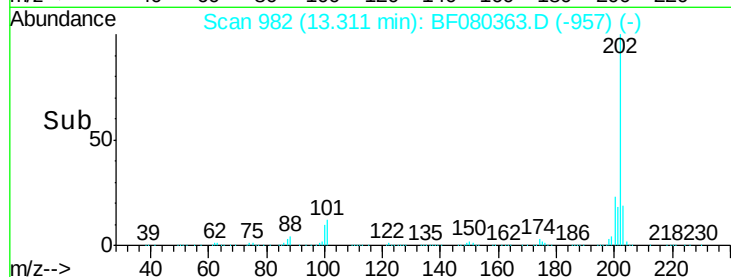
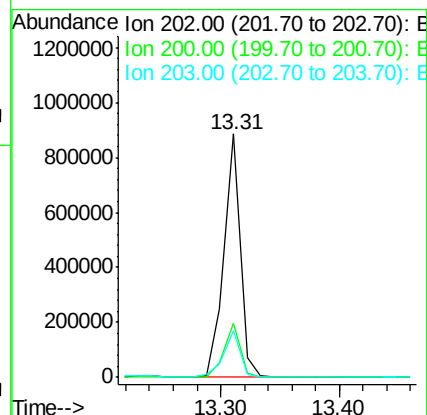
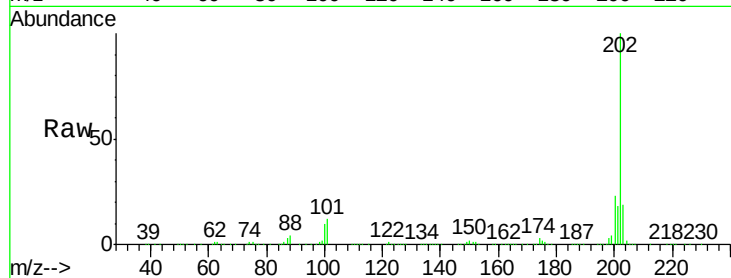
ClientSampleId :

SP-1

Tgt Ion:	202	Resp:	840150
Ion Ratio	Lower	Upper	
202	100		
200	22.5	17.2	25.8
203	18.9	14.3	21.5

Manual Integrations
APPROVED

apatel
7/7/2015 4:26:25 PM



#78

Terphenyl-d14

Concen: 72.16 ng

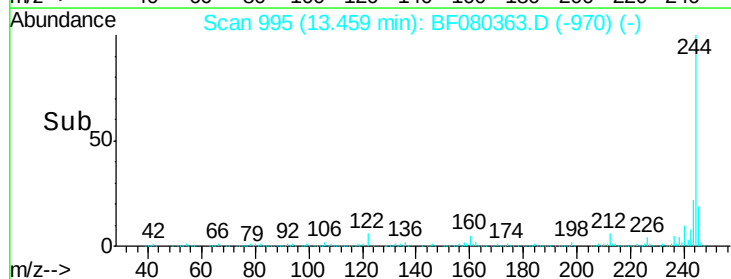
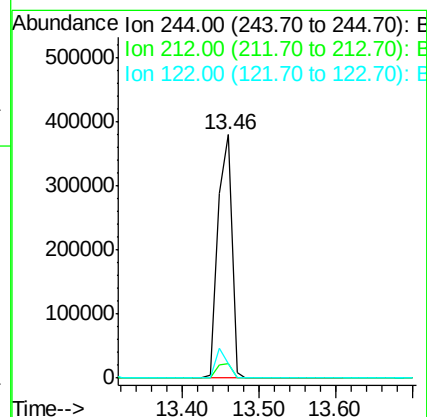
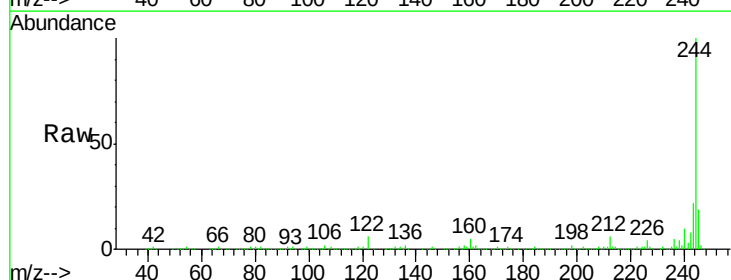
RT: 13.46 min Scan# 995

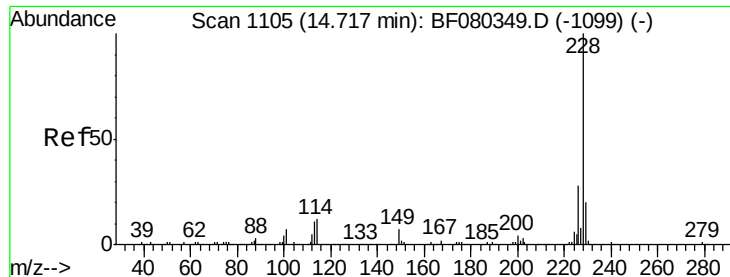
Delta R.T. -0.01 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

Tgt Ion:	244	Resp:	470854
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.8	8.8
122	6.1	11.1	16.7#





#80

Benzo(a)anthracene

Concen: 55.64 ng m

RT: 14.69 min Scan# 1103

Delta R.T. -0.02 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

Instrument :

BNA_F

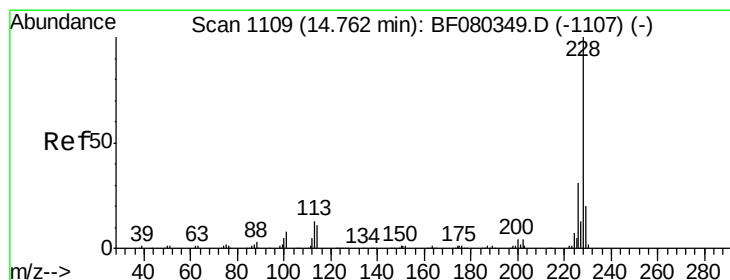
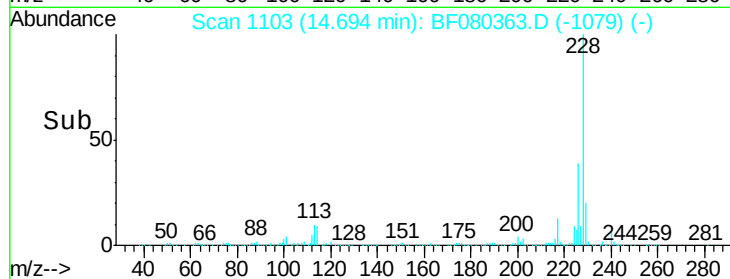
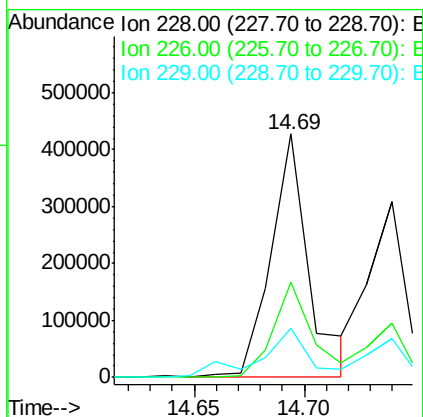
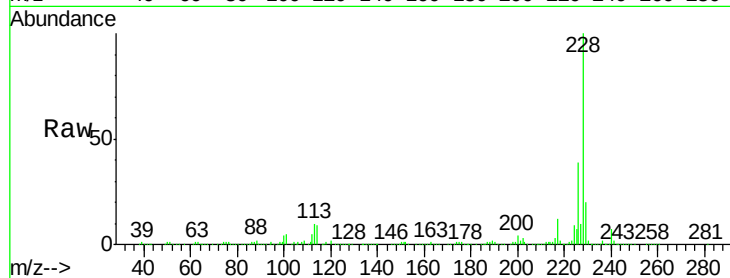
ClientSampled :

SP-1

Tgt Ion:	228	Resp:	510401
Ion Ratio	Lower	Upper	
228	100		
226	39.0	22.2	33.4#
229	20.2	16.0	24.0

Manual Integrations
APPROVED

apatel
7/7/2015 4:26:25 PM



#82

Chrysene

Concen: 40.64 ng

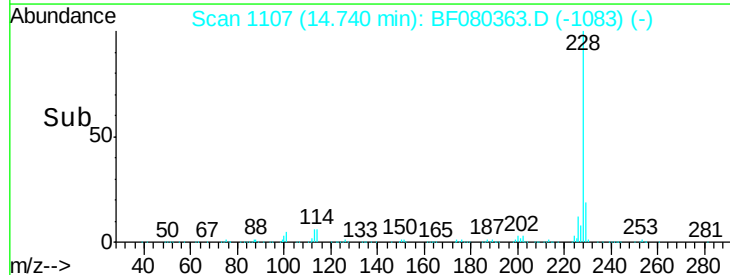
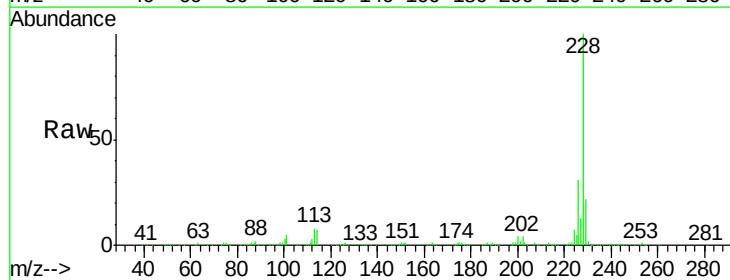
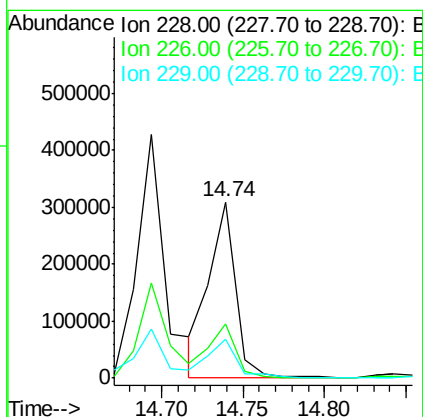
RT: 14.74 min Scan# 1107

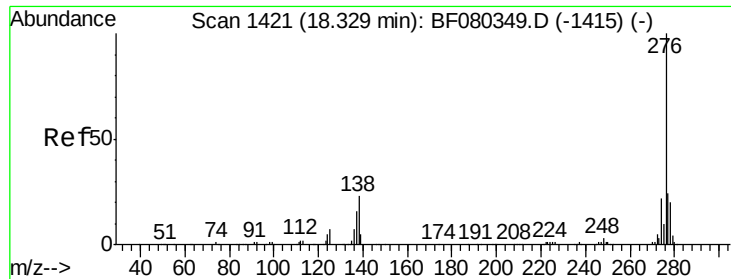
Delta R.T. -0.02 min

Lab File: BF080363.D

Acq: 7 Jul 2015 2:19

Tgt Ion:	228	Resp:	348814
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.0	37.4
229	22.4	16.1	24.1





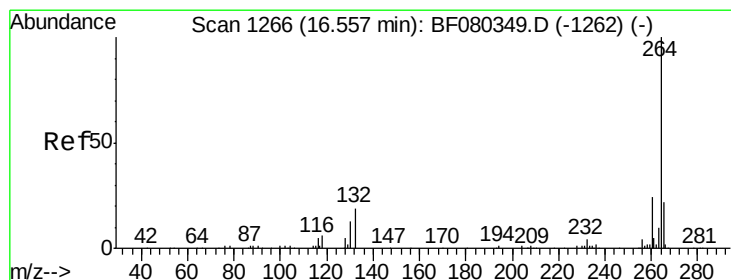
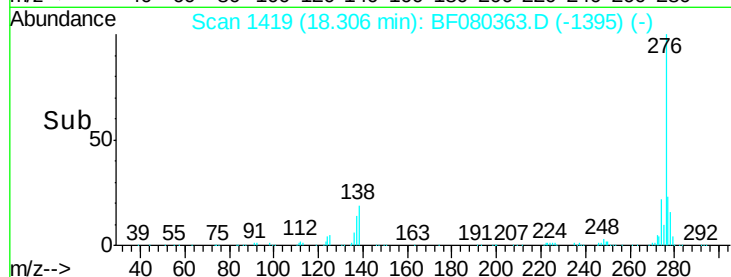
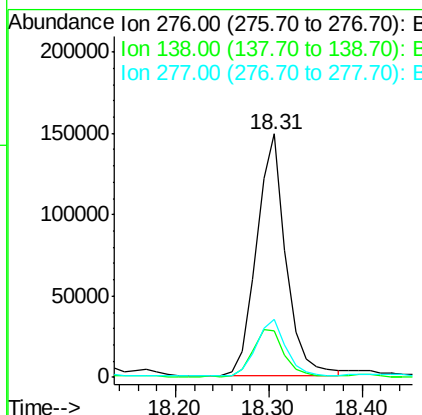
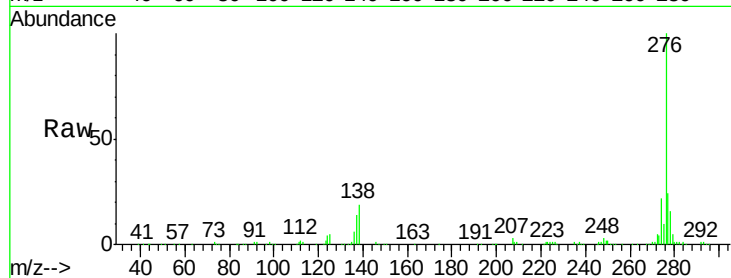
#85
Indeno(1,2,3-cd)pyrene
Concen: 32.20 ng
RT: 18.31 min Scan# 1419
Delta R.T. -0.02 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Instrument :
BNA_F
ClientSampleId :
SP-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	21.1	19.7	29.5
277	23.9	19.4	29.0

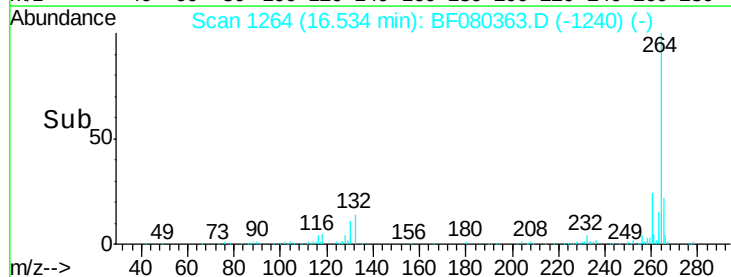
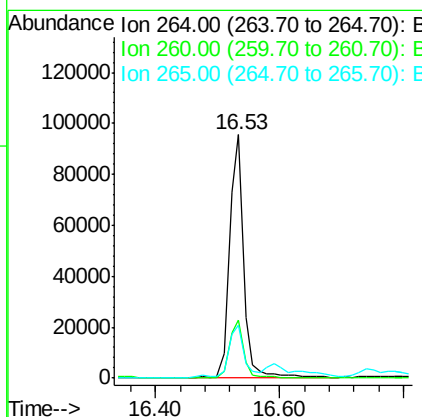
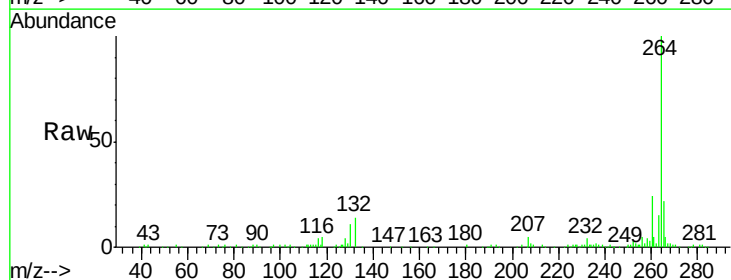
Manual Integrations
APPROVED

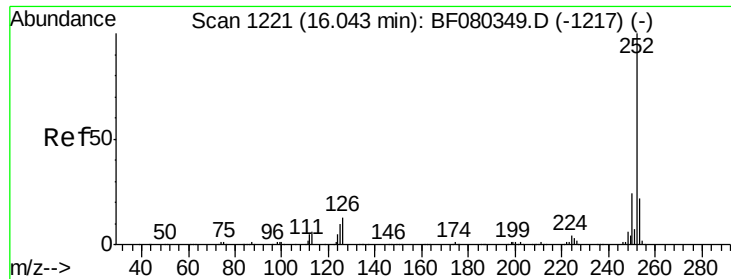
apatel
7/7/2015 4:26:25 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.53 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.8	19.2	28.8
265	21.7	17.6	26.4





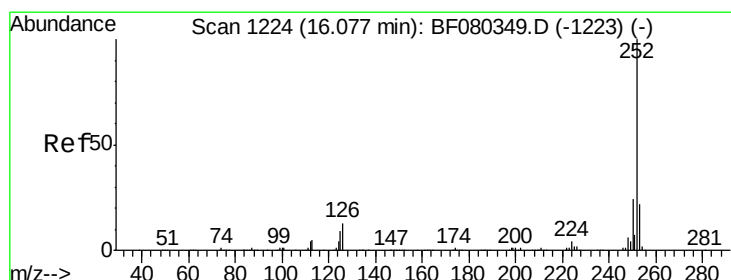
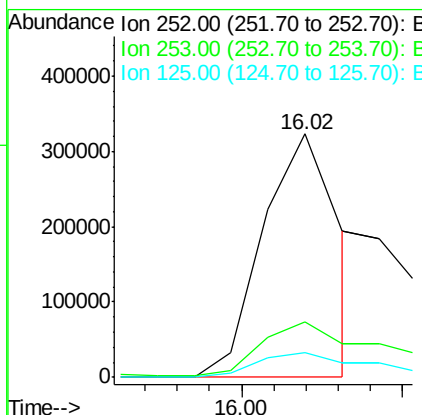
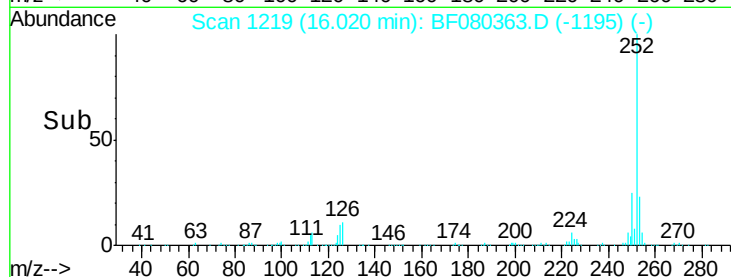
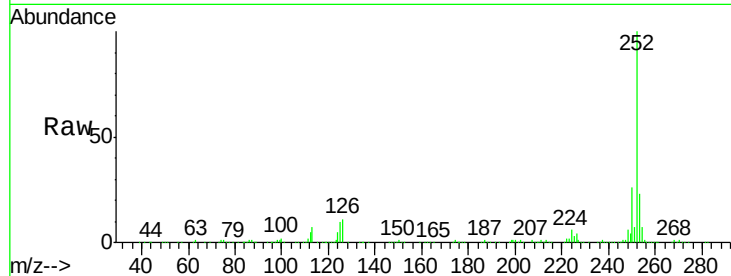
#87
Benzo(b)fluoranthene
Concen: 55.72 ng m
RT: 16.02 min Scan# 1219
Delta R.T. -0.02 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Instrument :
BNA_F
ClientSampleId :
SP-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	10.4	7.7	11.5

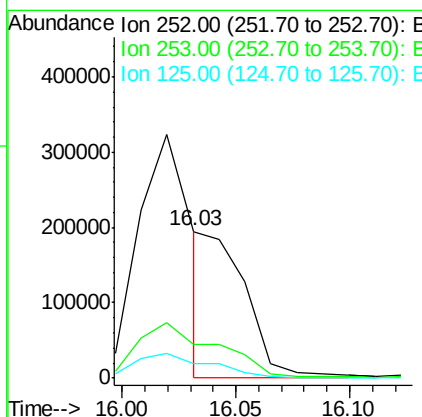
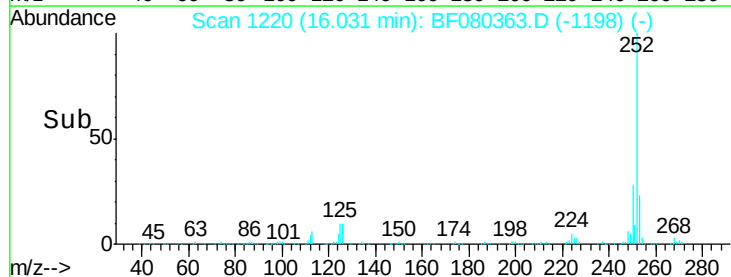
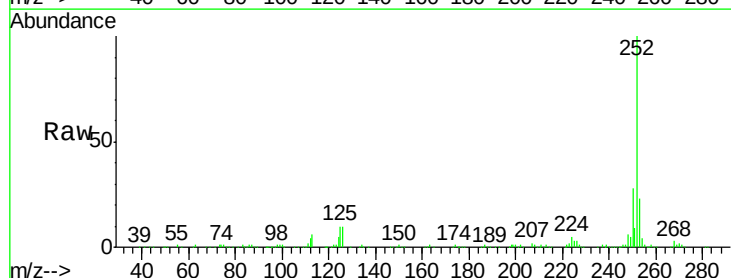
Manual Integrations
APPROVED

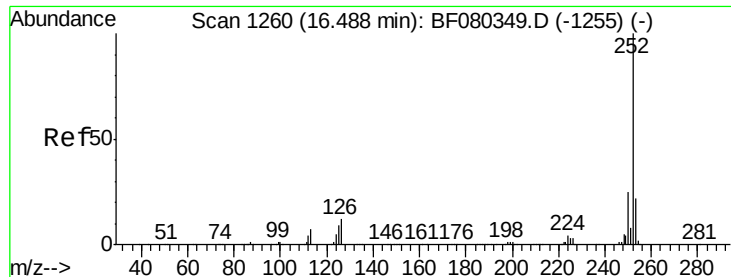
apatel
7/7/2015 4:26:25 PM



#88
Benzo(k)fluoranthene
Concen: 26.33 ng m
RT: 16.03 min Scan# 1220
Delta R.T. -0.05 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	9.9	8.5	12.7





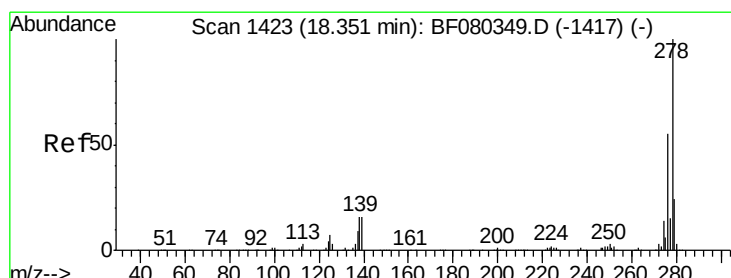
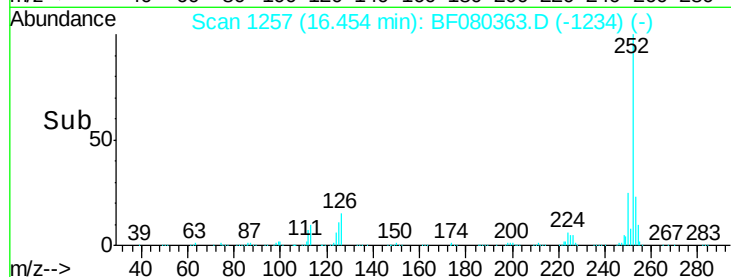
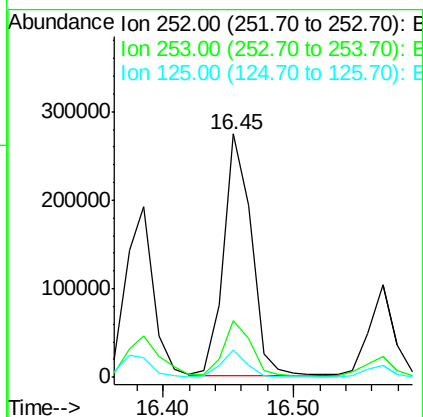
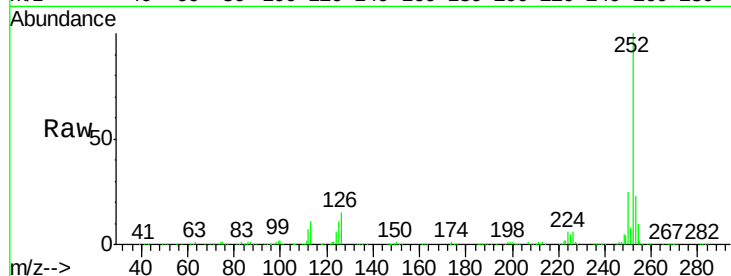
#89
Benzo(a)pyrene
Concen: 46.94 ng
RT: 16.45 min Scan# 1257
Delta R.T. -0.03 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Instrument :
BNA_F
ClientSampleId :
SP-1

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	17.8	26.8
125	11.3	7.3	10.9

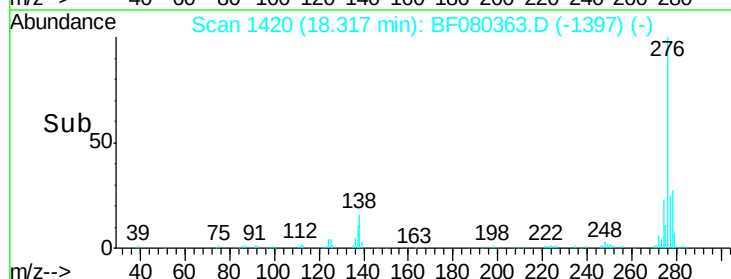
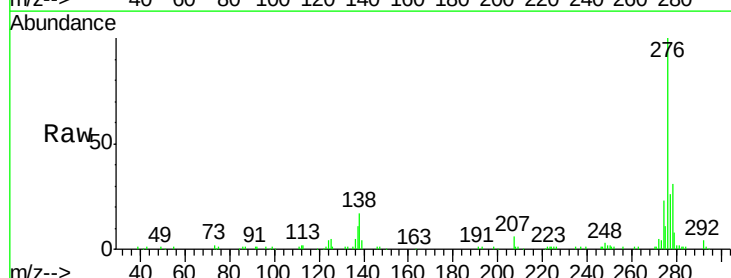
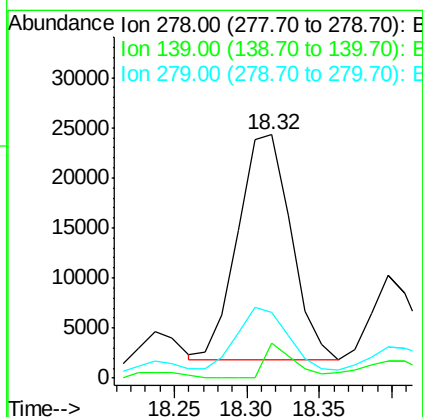
Manual Integrations
APPROVED

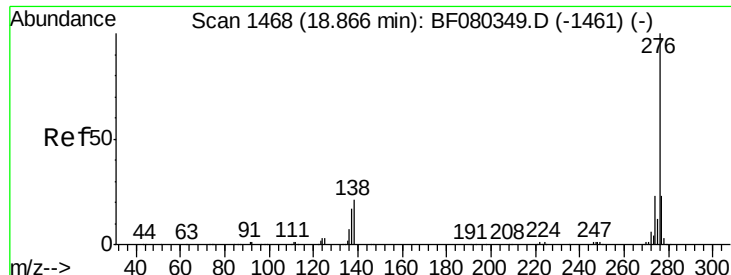
apatel
7/7/2015 4:26:25 PM



#90
Dibenzo(a,h)anthracene
Concen: 6.64 ng
RT: 18.32 min Scan# 1420
Delta R.T. -0.03 min
Lab File: BF080363.D
Acq: 7 Jul 2015 2:19

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	14.4	13.0	19.6
279	26.9	19.1	28.7





#91
 Benzo(g,h,i)perylene
 Concen: 36.87 ng
 RT: 18.84 min Scan# 1466
 Delta R.T. -0.02 min
 Lab File: BF080363.D
 Acq: 7 Jul 2015 2:19

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tgt Ion:	276	Resp:	321241
Ion Ratio	Lower	Upper	
276	100		
277	23.0	18.6	28.0
138	20.6	16.8	25.2

Manual Integrations
 APPROVED

apatel
 7/7/2015 4:26:25 PM

