

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
 Data File : BF080256.D
 Acq On : 1 Jul 2015 2:43
 Operator : TP/IZ
 Sample : G2838-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2

Manual Integrations
 APPROVED

apatel
 7/1/2015 4:17:30 PM

Quant Time: Jul 01 07:12:16 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 23 00:53:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	32423	20.00	ng	-0.05
21) Naphthalene-d8	8.57	136	135321	20.00	ng	-0.05
38) Acenaphthene-d10	10.34	164	69475	20.00	ng	-0.05
63) Phenanthrene-d10	11.84	188	127435	20.00	ng	-0.07
75) Chrysene-d12	14.71	240	141973	20.00	ng	-0.29
86) Perylene-d12	16.52	264	145245	20.00	ng	-0.41
System Monitoring Compounds						
5) 2-Fluorophenol	5.90	112	301330	164.51	ng	-0.03
7) Phenol-d6	6.89	99	424820	174.29	ng	-0.03
23) Nitrobenzene-d5	7.84	82	240541	103.48	ng	-0.03
41) 2,4,6-Tribromophenol	11.14	330	93639	137.83	ng	-0.03
44) 2-Fluorobiphenyl	9.65	172	420143	86.24	ng	-0.05
78) Terphenyl-d14	13.49	244	454083	74.70	ng	-0.18
Target Compounds						Qvalue
49) Dimethylphthalate	10.04	163	57905	11.09	ng	# 98
70) Phenanthrene	11.88	178	53040	6.87	ng	97
71) Anthracene	11.92	178	16861	2.27	ng	97
74) Fluoranthene	13.10	202	83707m	10.19	ng	
77) Pyrene	13.35	202	76384	8.74	ng	98
80) Benzo(a)anthracene	14.70	228	43525m	5.03	ng	
82) Chrysene	14.73	228	38419m	4.82	ng	
85) Indeno(1,2,3-cd)pyrene	18.31	276	23257m	2.31	ng	
87) Benzo(b)fluoranthene	15.99	252	43619m	4.96	ng	
88) Benzo(k)fluoranthene	16.00	252	20983m	2.34	ng	
89) Benzo(a)pyrene	16.44	252	35270	4.22	ng	# 88
91) Benzo(g,h,i)perylene	18.86	276	23477	2.72	ng	# 74

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

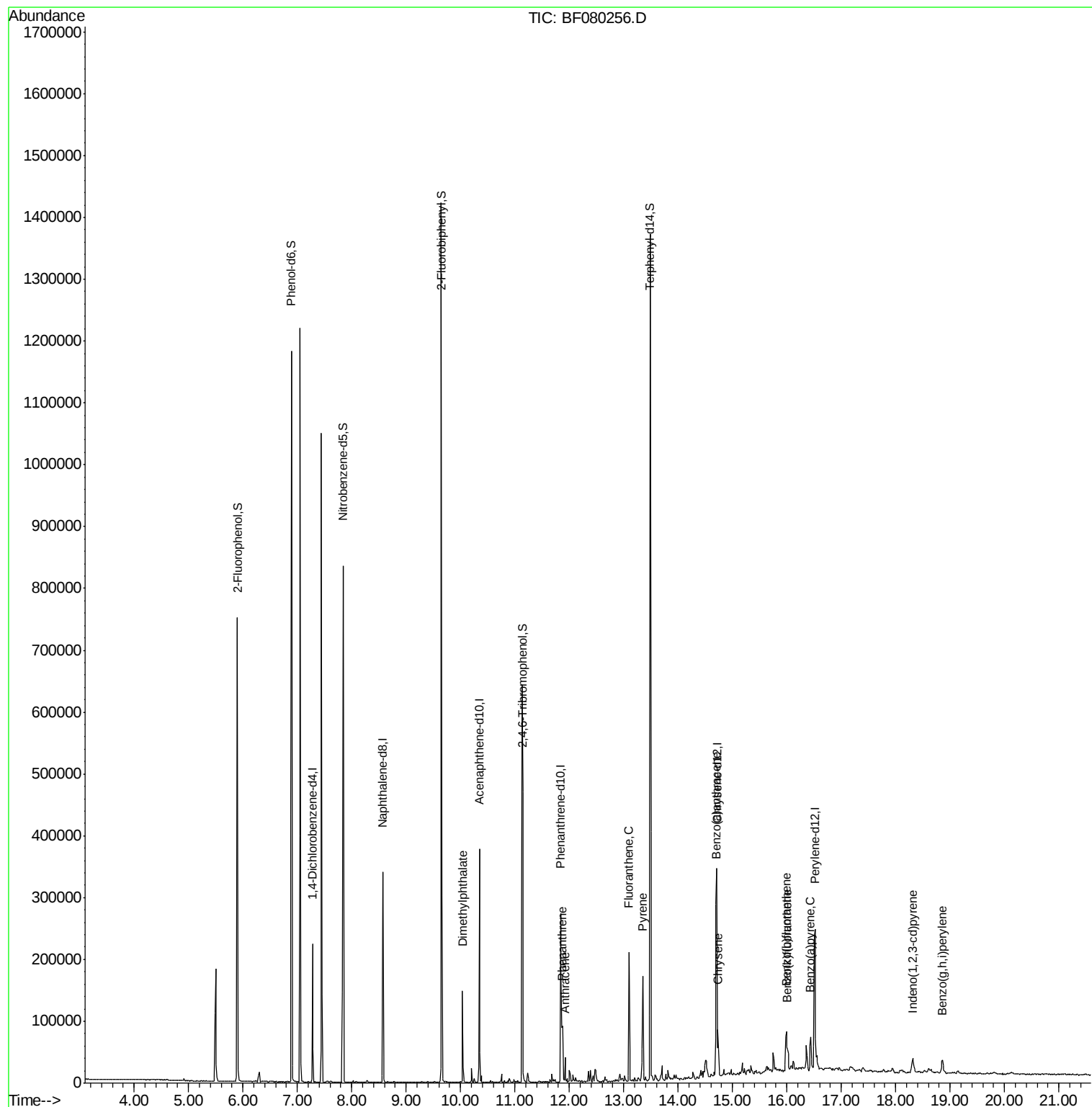
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080256.D
Acq On : 1 Jul 2015 2:43
Operator : TP/IZ
Sample : G2838-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-B2

Manual Integrations
APPROVED

apatel
7/1/2015 4:17:30 PM

Quant Time: Jul 01 07:12:16 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 23 00:53:56 2015
Response via : Initial Calibration





#1

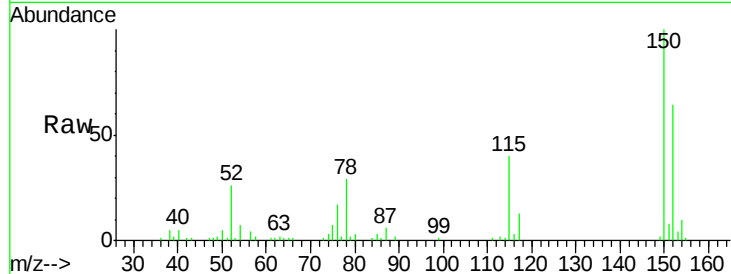
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.28 min Scan# 367
Delta R.T. -0.05 min
Lab File: BF080256.D
Acq: 1 Jul 2015 2:43

Instrument :
BNA_F
ClientSampleId :
TEC-B2

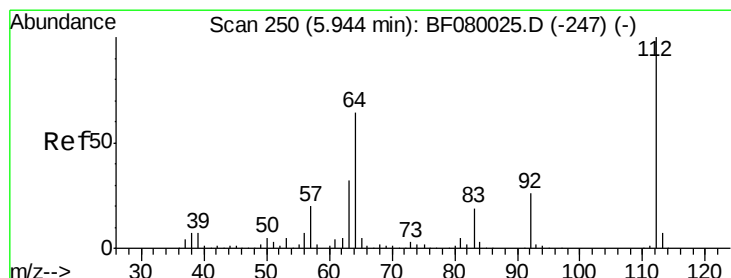
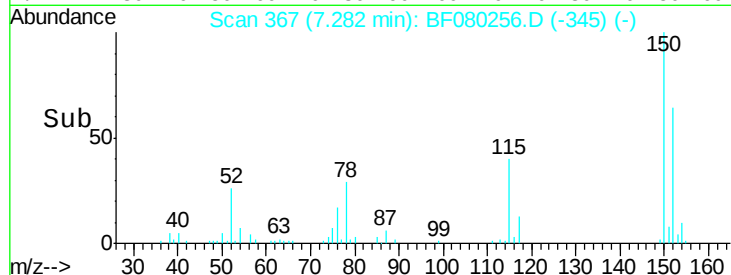
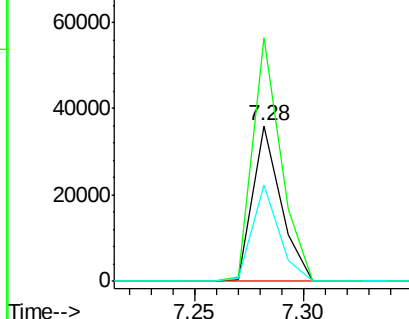
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.7	187.1
115	62.4	39.0	58.4

Manual Integrations
APPROVED

apatel
7/1/2015 4:17:30 PM



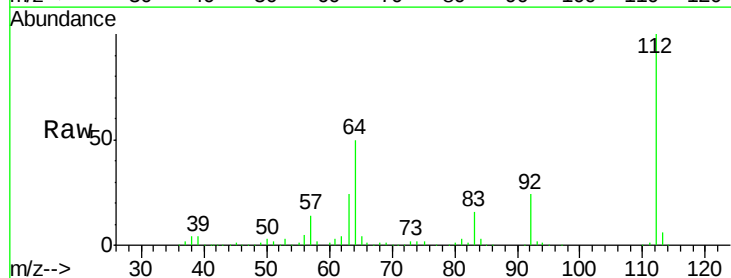
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



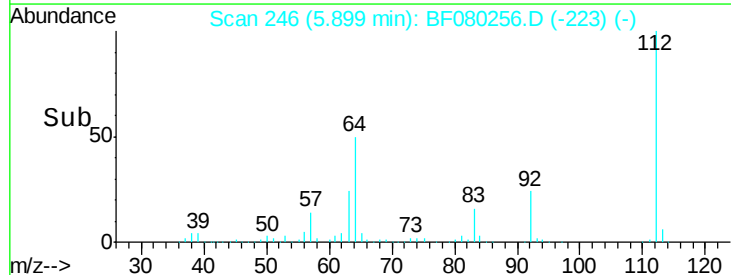
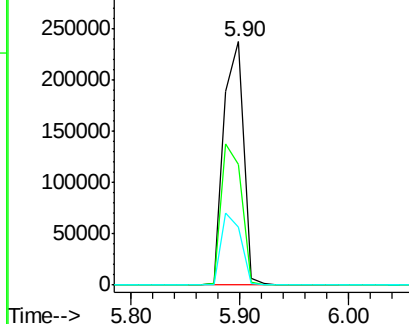
#5

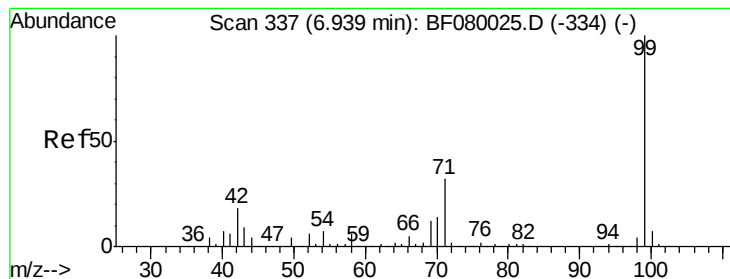
2-Fluorophenol
Concen: 164.51 ng
RT: 5.90 min Scan# 246
Delta R.T. -0.03 min
Lab File: BF080256.D
Acq: 1 Jul 2015 2:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.6	39.7	59.5
63	24.0	17.4	26.0



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: 174.29 ng

RT: 6.89 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF080256.D

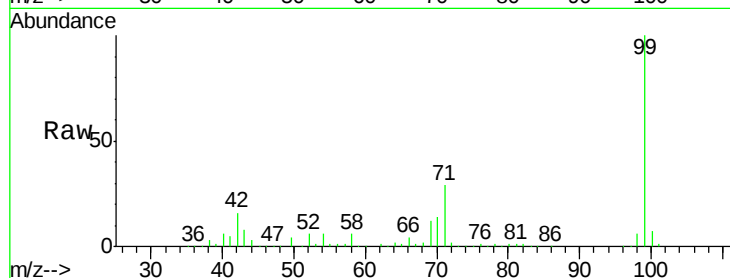
Acq: 1 Jul 2015 2:43

Instrument :

BNA_F

ClientSampleId :

TEC-B2



Tgt Ion: 99 Resp: 424820

Ion Ratio Lower Upper

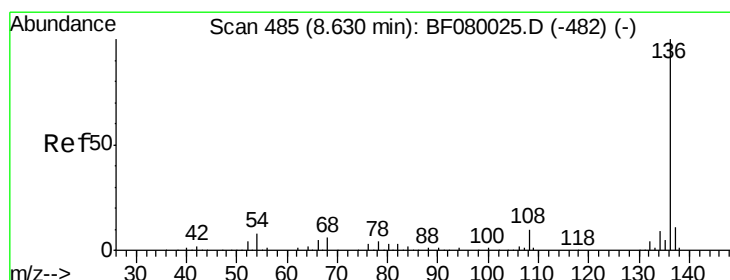
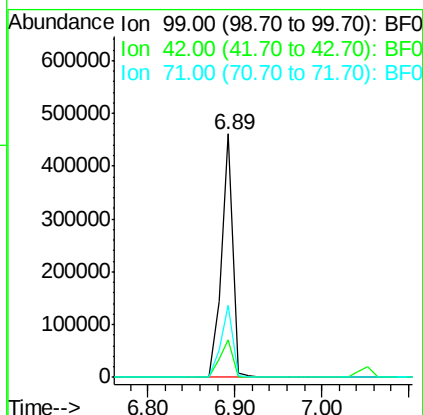
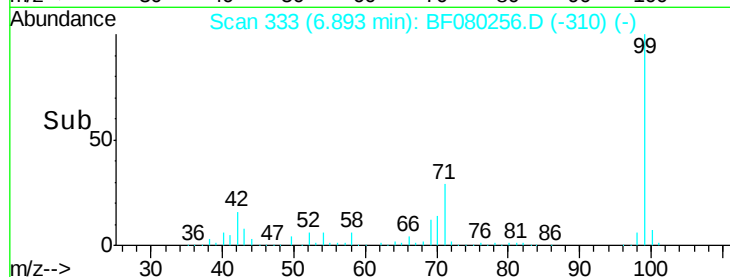
99 100

42 15.6 13.7 20.5

71 29.4 14.2 21.2#

Manual Integrations
APPROVED

apatel
7/1/2015 4:17:30 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.57 min Scan# 480

Delta R.T. -0.05 min

Lab File: BF080256.D

Acq: 1 Jul 2015 2:43

Tgt Ion: 136 Resp: 135321

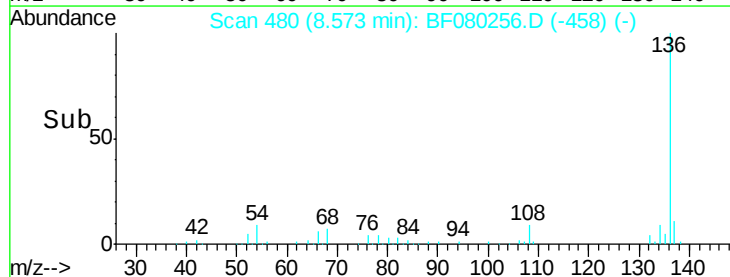
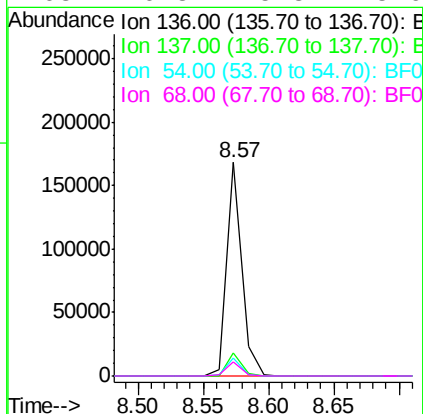
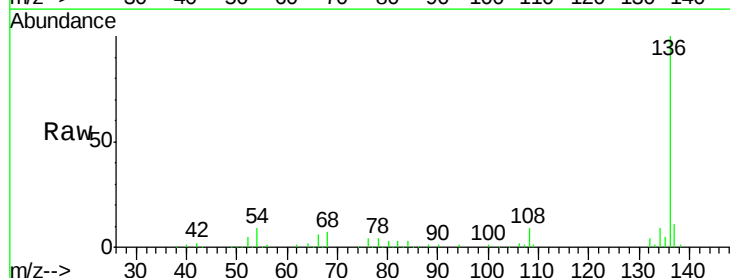
Ion Ratio Lower Upper

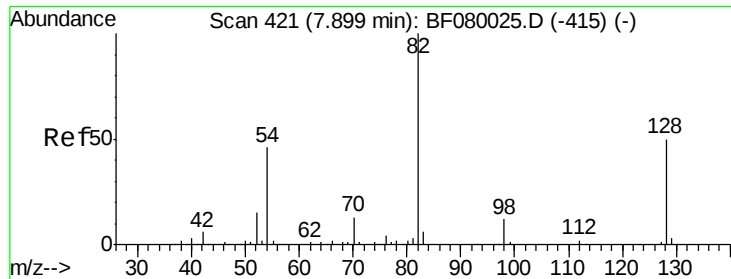
136 100

137 10.8 9.0 13.6

54 8.6 8.2 12.2

68 6.8 5.8 8.6





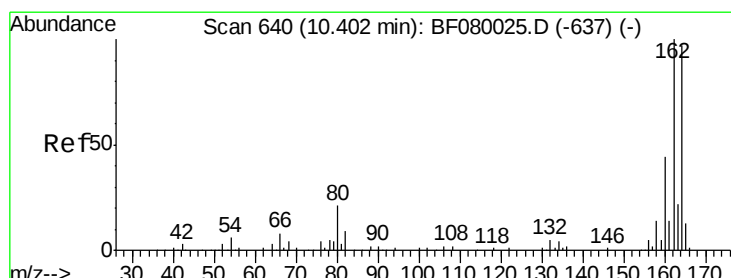
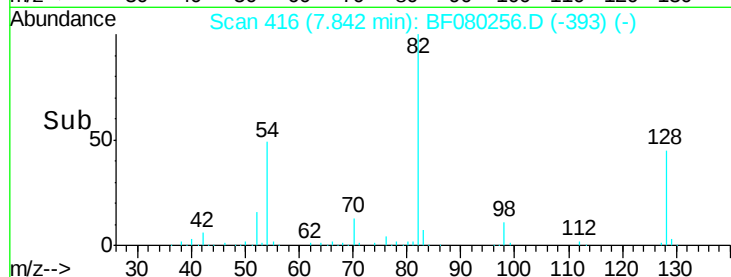
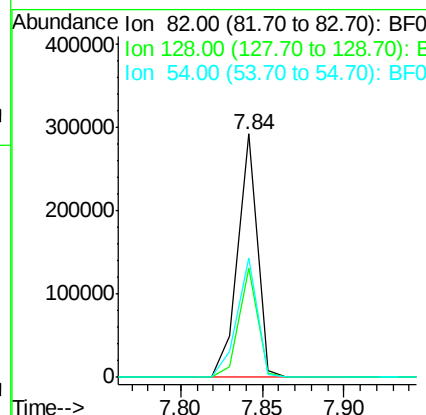
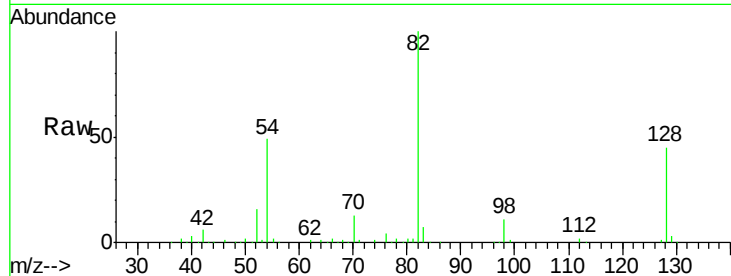
#23
 Nitrobenzene-d5
 Concen: 103.48 ng
 RT: 7.84 min Scan# 416
 Delta R.T. -0.03 min
 Lab File: BF080256.D
 Acq: 1 Jul 2015 2:43

Instrument :
 BNA_F
 ClientSampled :
 TEC-B2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.9	51.0	76.6#
54	49.2	47.5	71.3

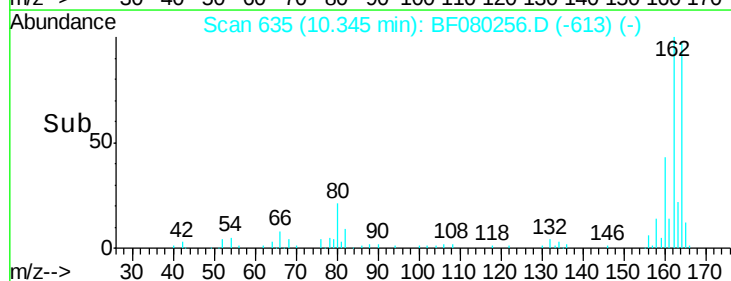
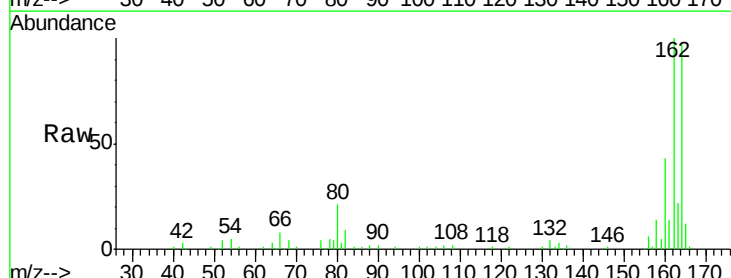
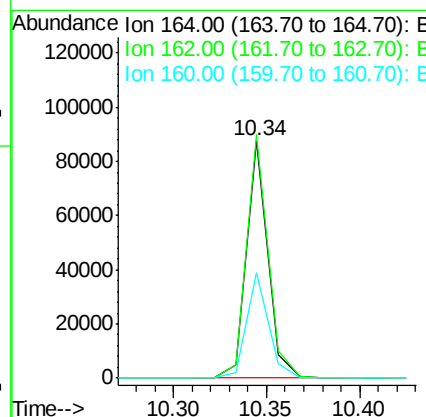
Manual Integrations
 APPROVED

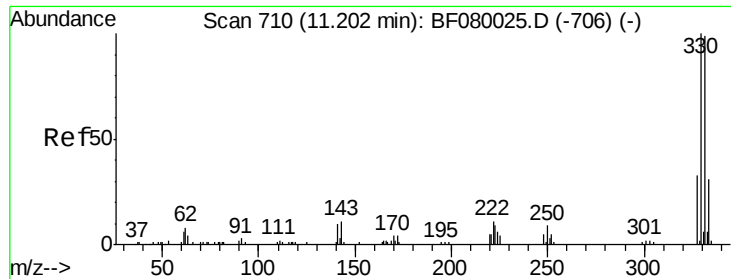
apatel
 7/1/2015 4:17:30 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.34 min Scan# 635
 Delta R.T. -0.05 min
 Lab File: BF080256.D
 Acq: 1 Jul 2015 2:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	75.2	112.8
160	44.4	31.5	47.3





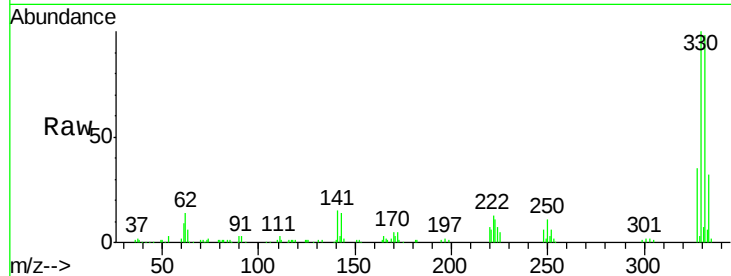
#41
 2,4,6-Tribromophenol
 Concen: 137.83 ng
 RT: 11.14 min Scan# 705
 Delta R.T. -0.03 min
 Lab File: BF080256.D
 Acq: 1 Jul 2015 2:43

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2

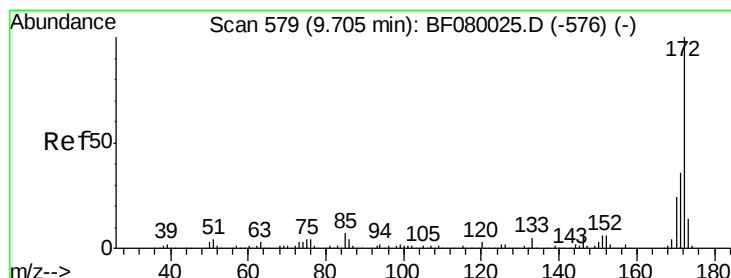
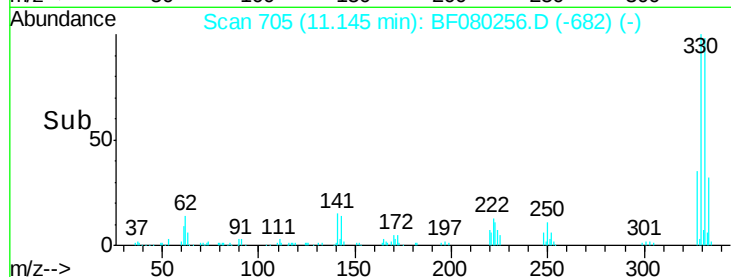
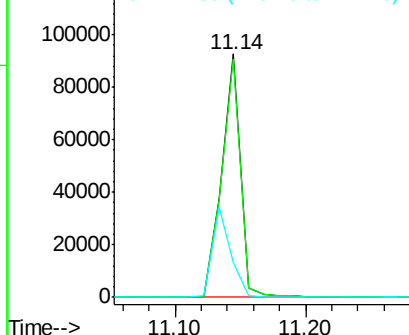
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	93639		
332	97.9	76.6	114.8	
141	36.3	29.7	44.5	

Manual Integrations
 APPROVED

apatel
 7/1/2015 4:17:30 PM

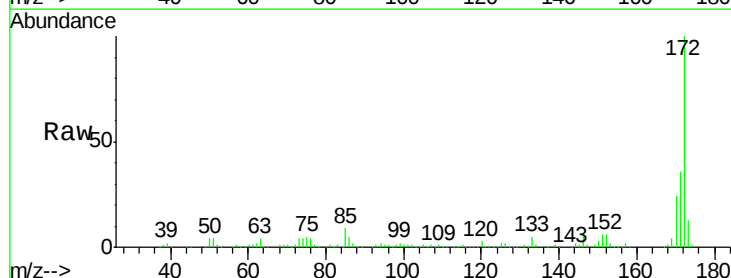


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

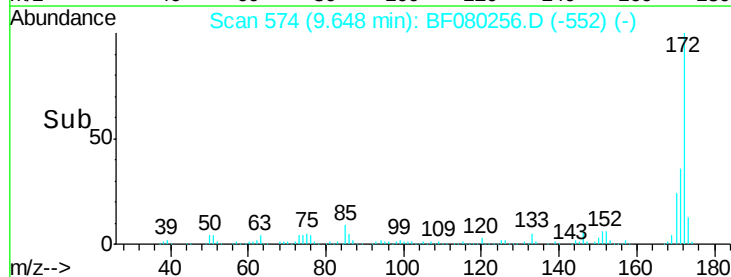
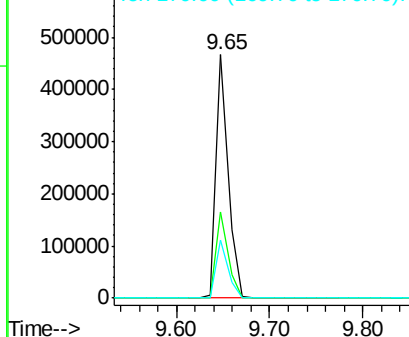


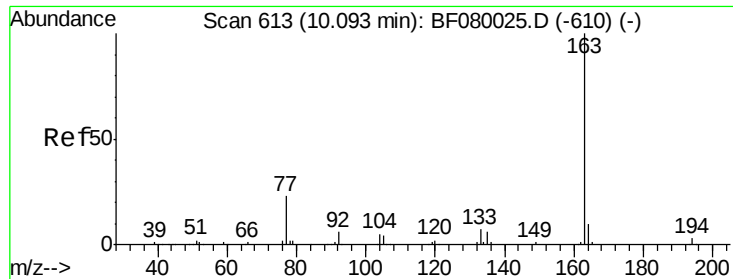
#44
 2-Fluorobiphenyl
 Concen: 86.24 ng
 RT: 9.65 min Scan# 574
 Delta R.T. -0.05 min
 Lab File: BF080256.D
 Acq: 1 Jul 2015 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	420143		
171	35.5	26.1	39.1	
170	23.8	17.4	26.2	



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





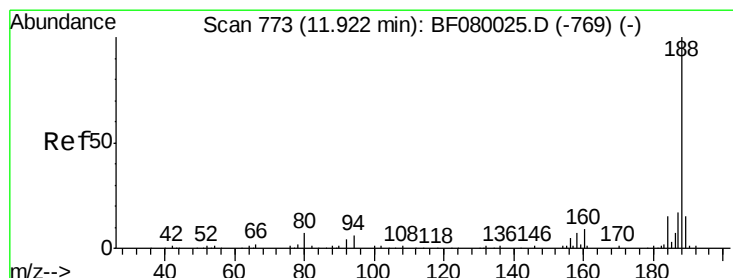
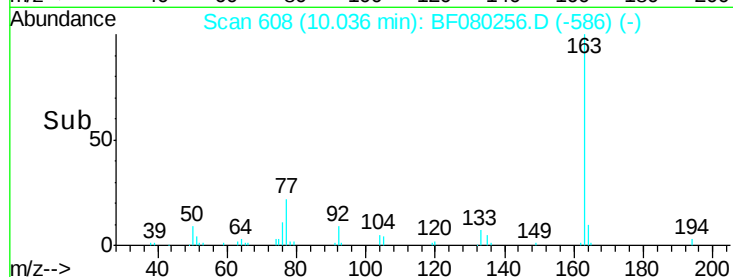
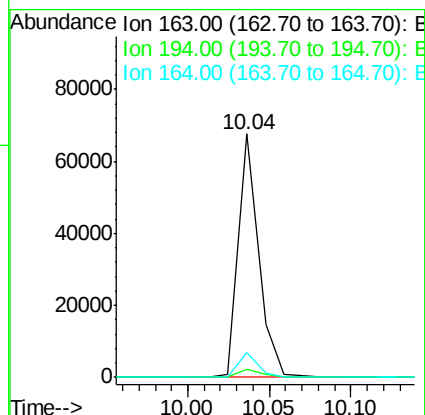
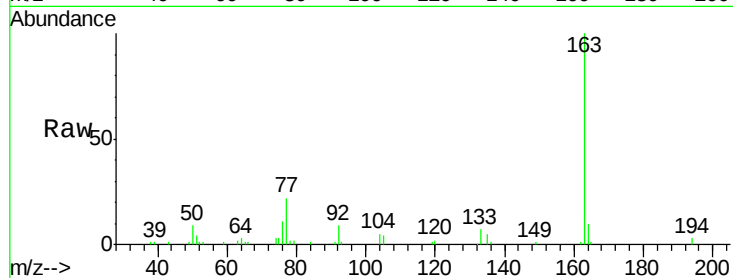
#49
Dimethylphthalate
Concen: 11.09 ng
RT: 10.04 min Scan# 608
Delta R.T. -0.05 min
Lab File: BF080256.D
Acq: 1 Jul 2015 2:43

Instrument :
BNA_F
ClientSampleId :
TEC-B2

Tgt Ion:163 Resp: 57905
Ion Ratio Lower Upper
163 100
194 3.3 4.4 6.6#
164 10.3 8.3 12.5

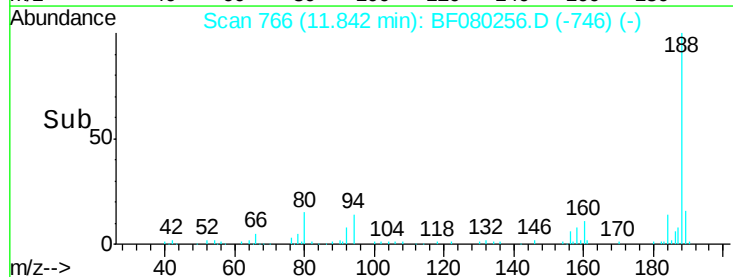
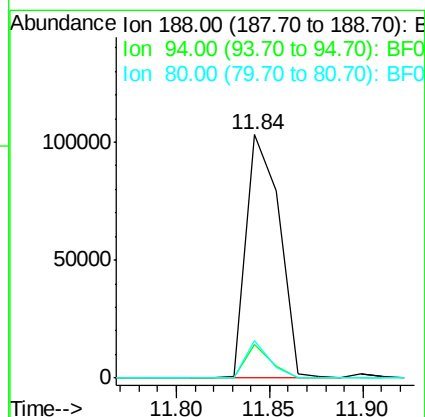
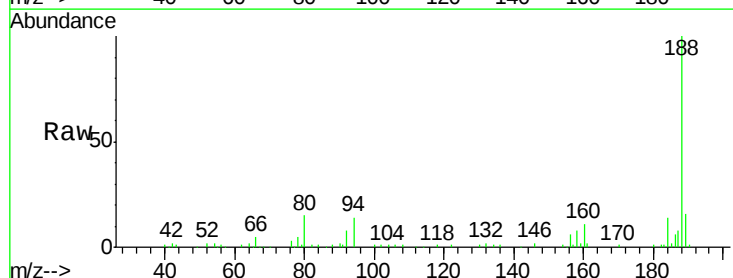
Manual Integrations
APPROVED

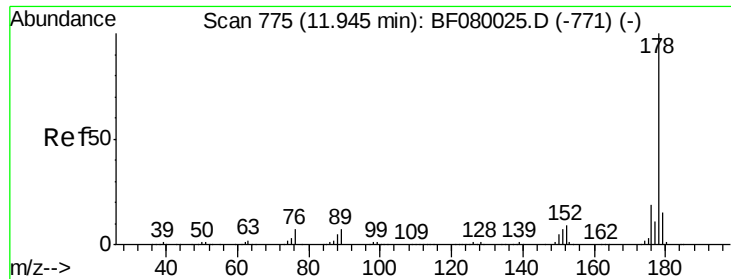
apatel
7/1/2015 4:17:30 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.84 min Scan# 766
Delta R.T. -0.07 min
Lab File: BF080256.D
Acq: 1 Jul 2015 2:43

Tgt Ion:188 Resp: 127435
Ion Ratio Lower Upper
188 100
94 13.6 11.1 16.7
80 15.5 11.0 16.4





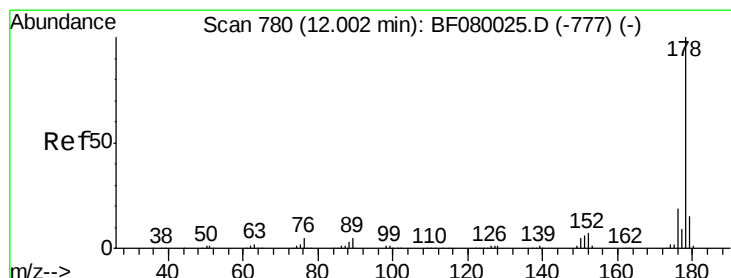
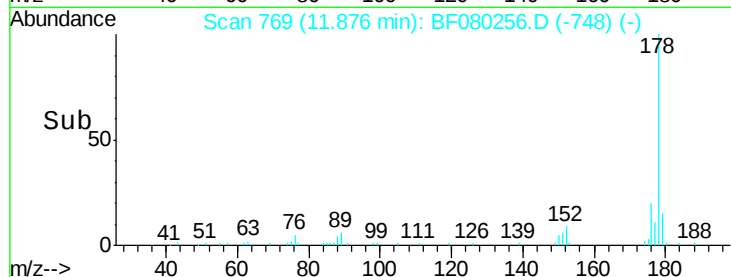
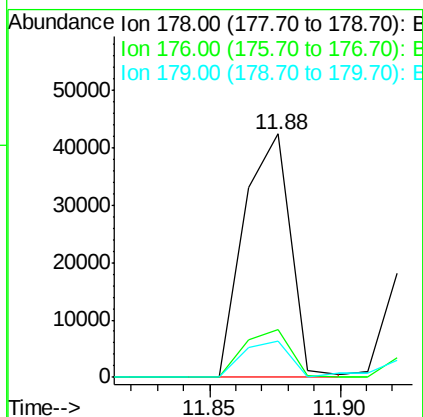
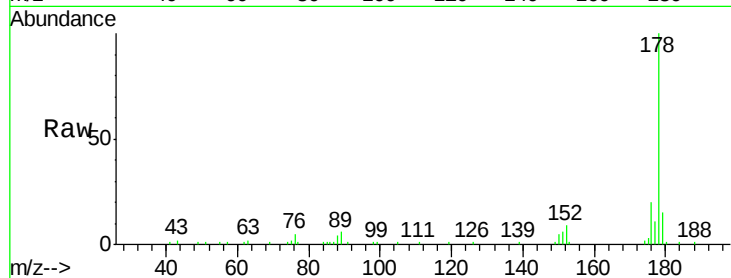
#70
Phenanthrene
Concen: 6.87 ng
RT: 11.88 min Scan# 769
Delta R.T. -0.06 min
Lab File: BF080256.D
Acq: 1 Jul 2015 2:43

Instrument :
BNA_F
ClientSampleId :
TEC-B2

Tgt Ion:178 Resp: 53040
Ion Ratio Lower Upper
178 100
176 19.6 13.8 20.8
179 14.9 12.2 18.2

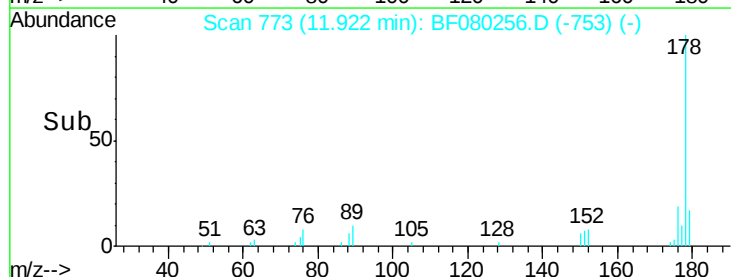
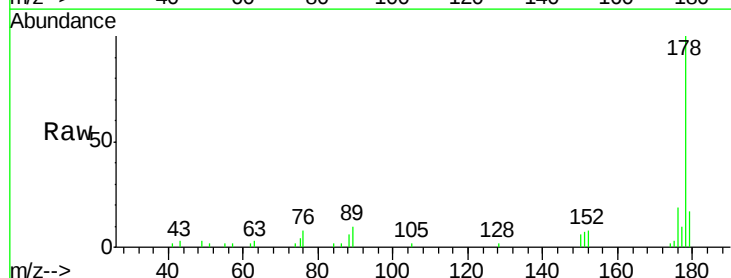
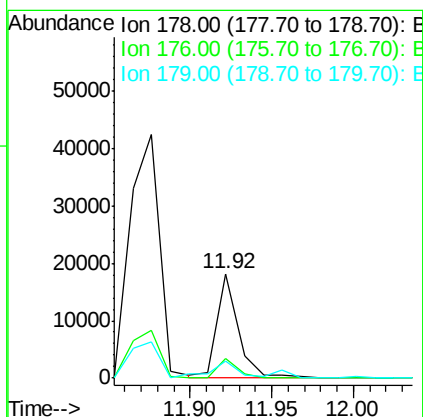
Manual Integrations
APPROVED

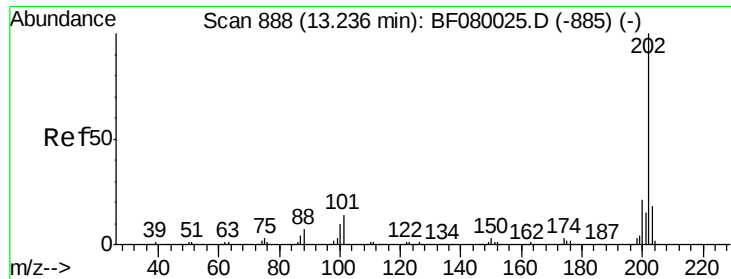
apatel
7/1/2015 4:17:30 PM



#71
Anthracene
Concen: 2.27 ng
RT: 11.92 min Scan# 773
Delta R.T. -0.07 min
Lab File: BF080256.D
Acq: 1 Jul 2015 2:43

Tgt Ion:178 Resp: 16861
Ion Ratio Lower Upper
178 100
176 18.8 14.1 21.1
179 16.6 12.2 18.2





#74

Fluoranthene

Concen: 10.19 ng m

RT: 13.10 min Scan# 876

Delta R.T. -0.15 min

Lab File: BF080256.D

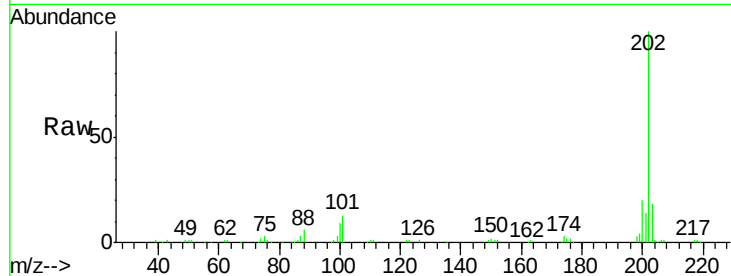
Acq: 1 Jul 2015 2:43

Instrument :

BNA_F

ClientSampleId :

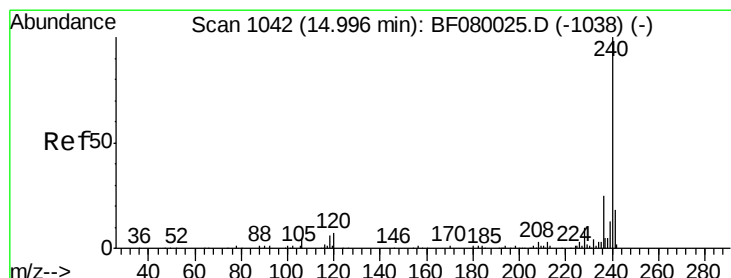
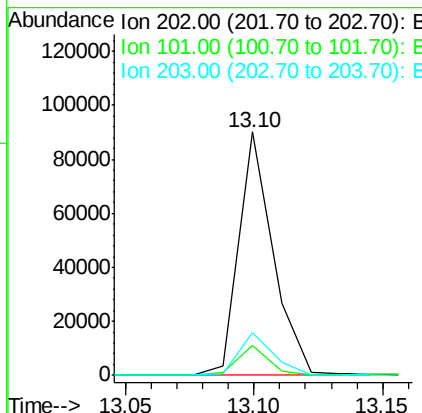
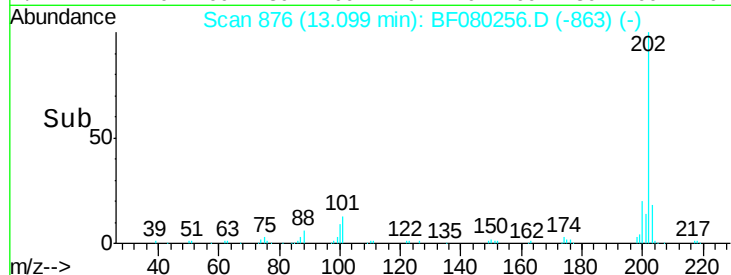
TEC-B2



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	83707		
101	12.5	0.0	38.3	
203	17.7	0.0	37.3	

Manual Integrations
APPROVED

apatel
7/1/2015 4:17:30 PM



#75

Chrysene-d12

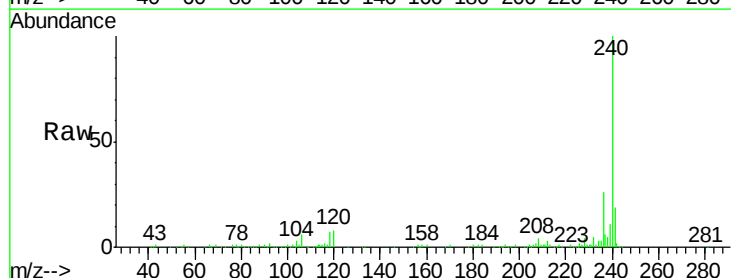
Concen: 20.00 ng

RT: 14.71 min Scan# 1017

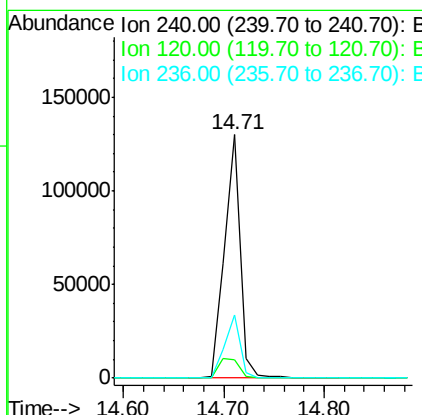
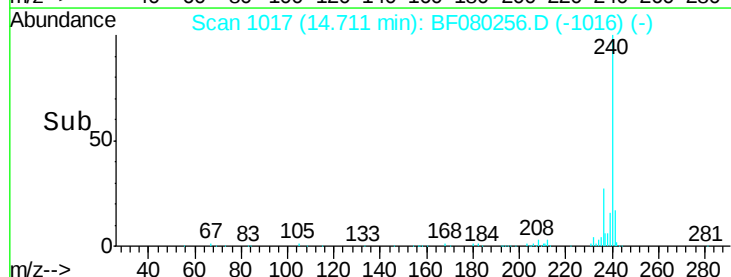
Delta R.T. -0.29 min

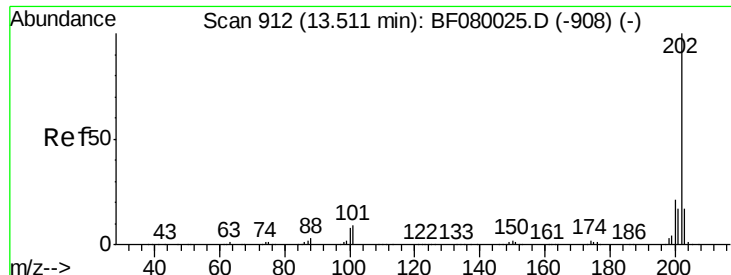
Lab File: BF080256.D

Acq: 1 Jul 2015 2:43



Tgt Ion	Ratio	Resp	Lower	Upper
240	100	141973		
120	7.7	16.2	24.2#	
236	26.0	18.4	27.6	





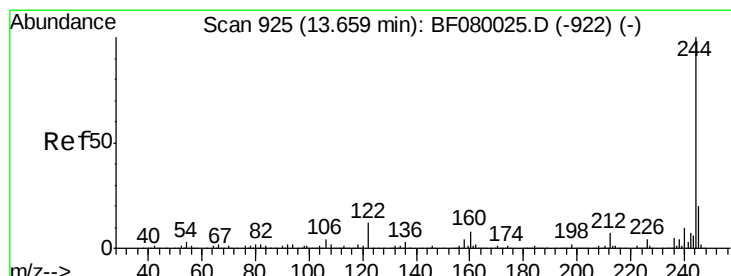
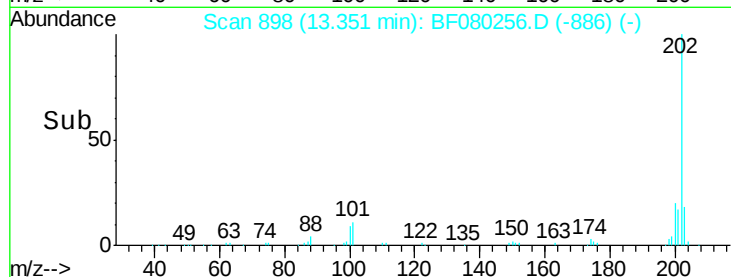
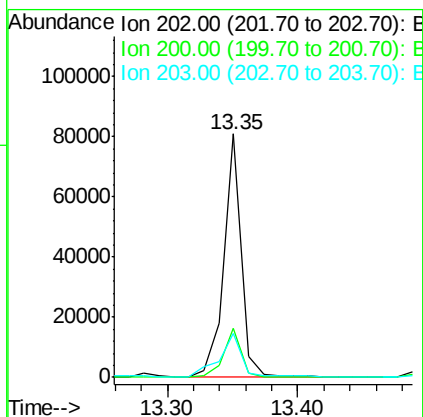
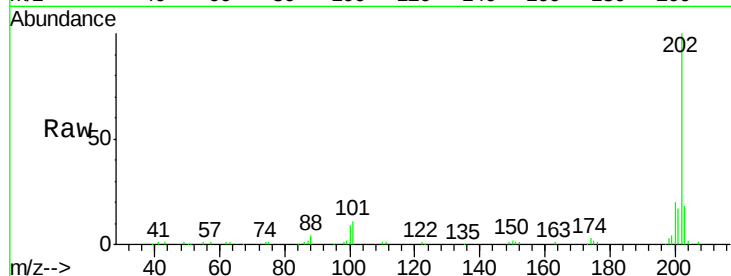
#77
 Pyrene
 Concen: 8.74 ng
 RT: 13.35 min Scan# 898
 Delta R.T. -0.16 min
 Lab File: BF080256.D
 Acq: 1 Jul 2015 2:43

Instrument :
 BNA_F
 ClientSampled :
 TEC-B2

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.1	15.0	22.4
203	17.8	14.1	21.1

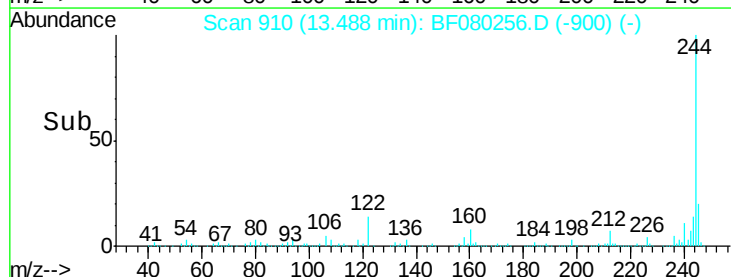
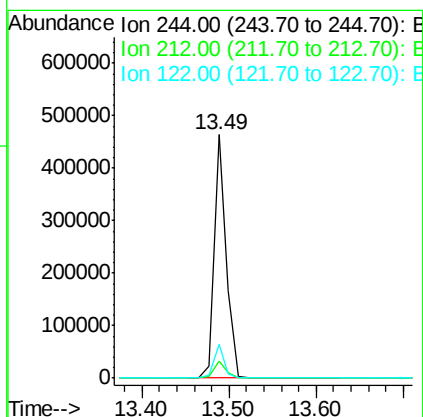
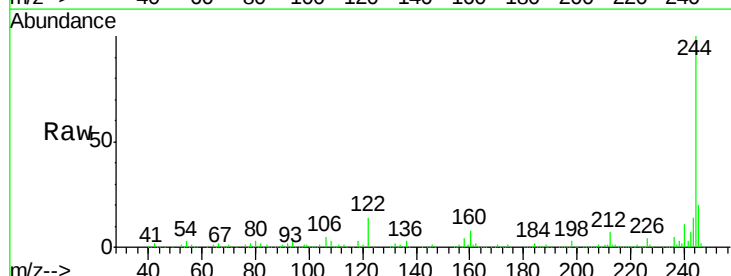
Manual Integrations
 APPROVED

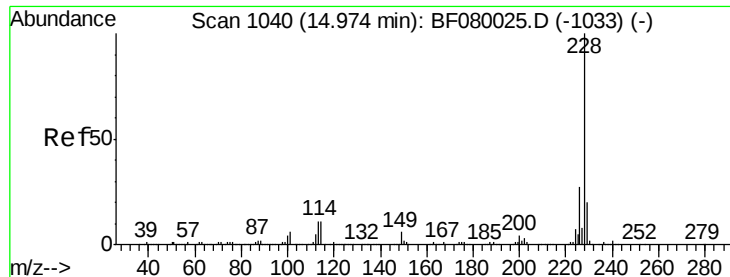
apatel
 7/1/2015 4:17:30 PM



#78
 Terphenyl-d14
 Concen: 74.70 ng
 RT: 13.49 min Scan# 910
 Delta R.T. -0.18 min
 Lab File: BF080256.D
 Acq: 1 Jul 2015 2:43

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	4.3	6.5#
122	14.0	17.4	26.2#





#80

Benzo(a)anthracene

Concen: 5.03 ng m

RT: 14.70 min Scan# 1016

Delta R.T. -0.29 min

Lab File: BF080256.D

Acq: 1 Jul 2015 2:43

Instrument :

BNA_F

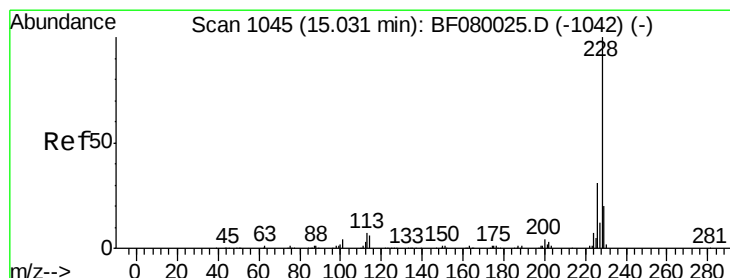
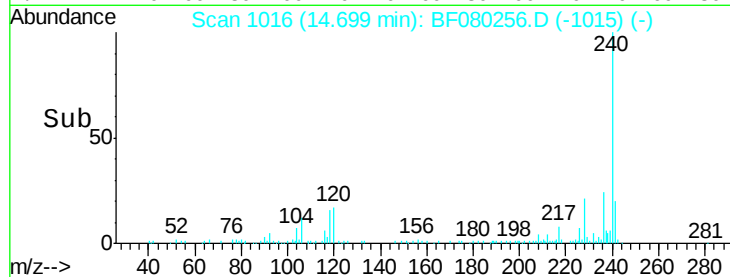
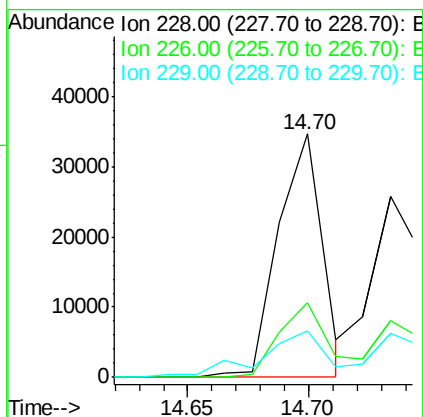
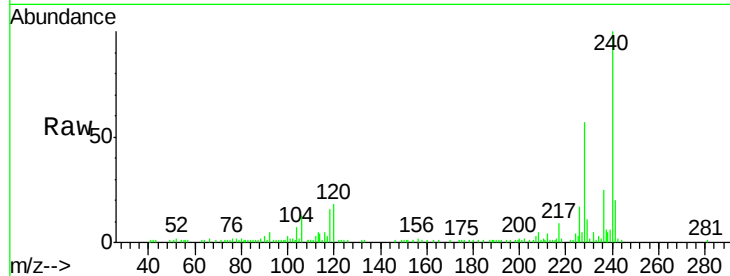
ClientSampleId :

TEC-B2

Tgt Ion:	228	Resp:	43525
Ion Ratio		Lower	Upper
228	100		
226	30.7	20.0	30.0#
229	19.2	15.4	23.2

Manual Integrations
APPROVED

apatel
7/1/2015 4:17:30 PM



#82

Chrysene

Concen: 4.82 ng m

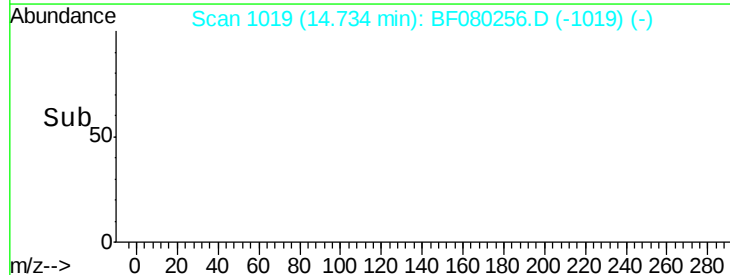
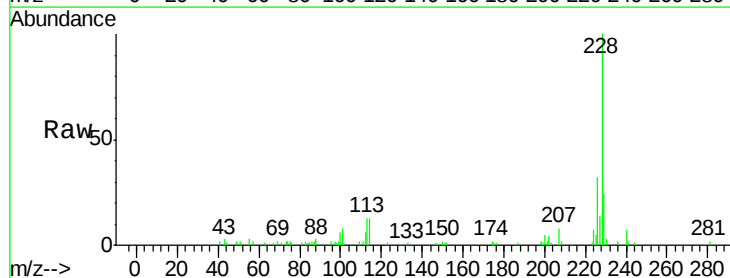
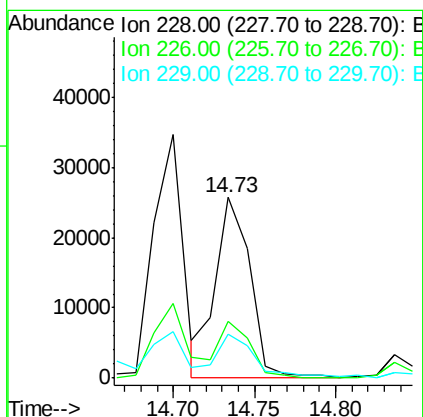
RT: 14.73 min Scan# 1019

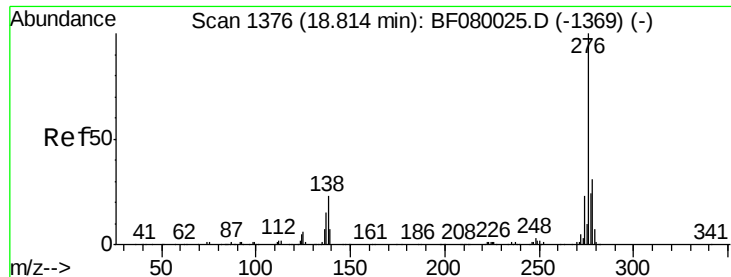
Delta R.T. -0.30 min

Lab File: BF080256.D

Acq: 1 Jul 2015 2:43

Tgt Ion:	228	Resp:	38419
Ion Ratio		Lower	Upper
228	100		
226	31.7	21.0	31.4#
229	24.3	15.6	23.4#





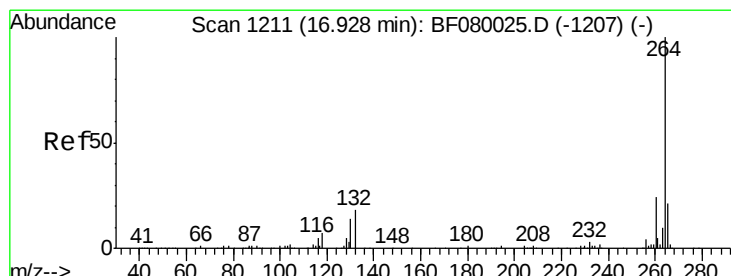
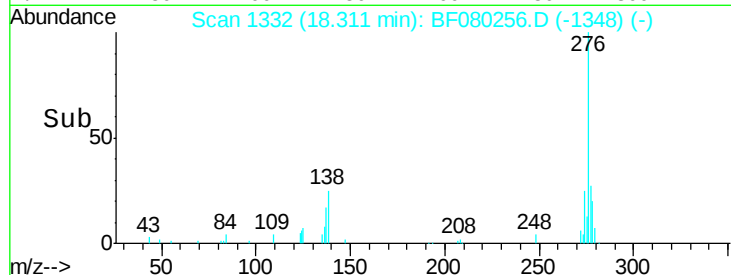
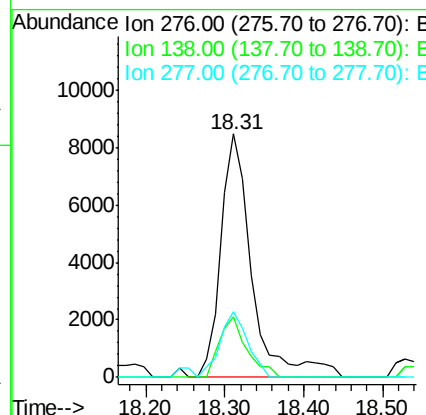
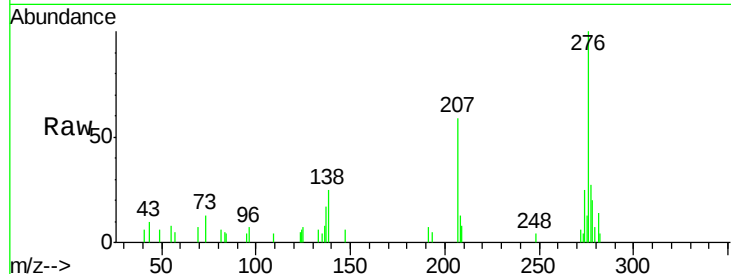
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.31 ng m
 RT: 18.31 min Scan# 1332
 Delta R.T. -0.48 min
 Lab File: BF080256.D
 Acq: 1 Jul 2015 2:43

Instrument :
 BNA_F
 ClientSampled :
 TEC-B2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	2.1	25.7	38.5#
277	0.0	15.6	23.4#

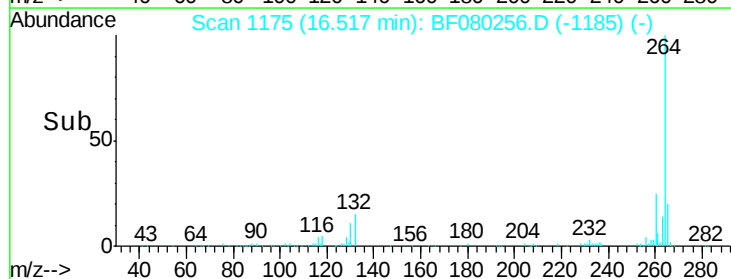
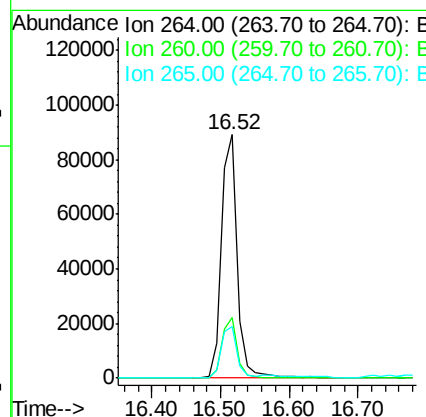
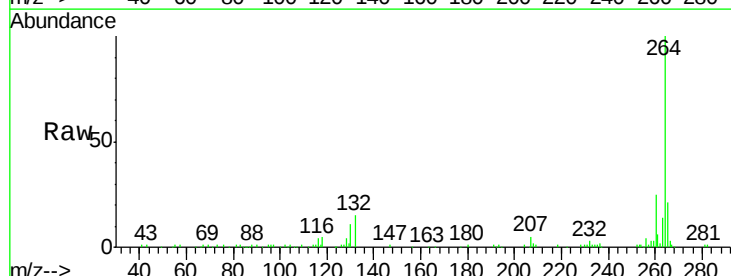
Manual Integrations
 APPROVED

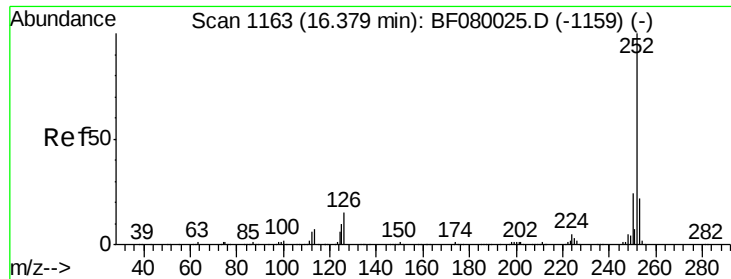
apatel
 7/1/2015 4:17:30 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.52 min Scan# 1175
 Delta R.T. -0.41 min
 Lab File: BF080256.D
 Acq: 1 Jul 2015 2:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	16.7	25.1
265	21.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 4.96 ng m

RT: 15.99 min Scan# 1129

Delta R.T. -0.40 min

Lab File: BF080256.D

Acq: 1 Jul 2015 2:43

Instrument :

BNA_F

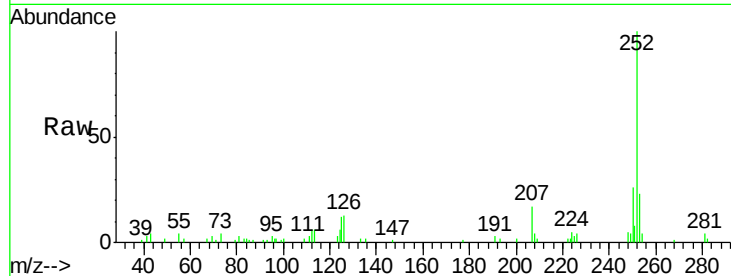
ClientSampleId :

TEC-B2

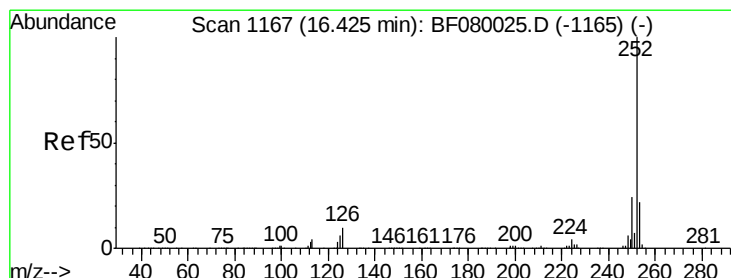
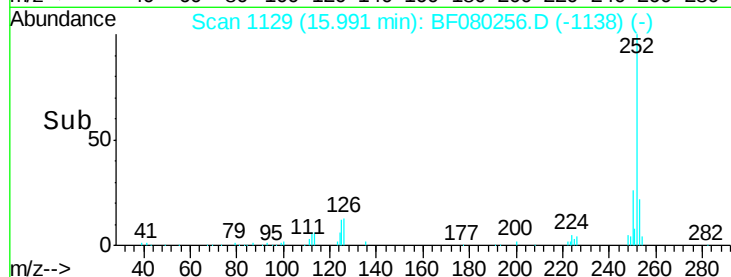
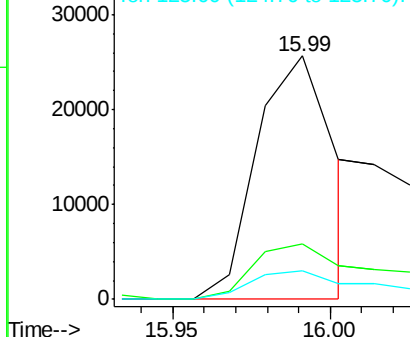
Tgt Ion:	252	Resp:	43619
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	11.5	17.1	25.7#

Manual Integrations
APPROVED

apatel
7/1/2015 4:17:30 PM



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: 2.34 ng m

RT: 16.00 min Scan# 1130

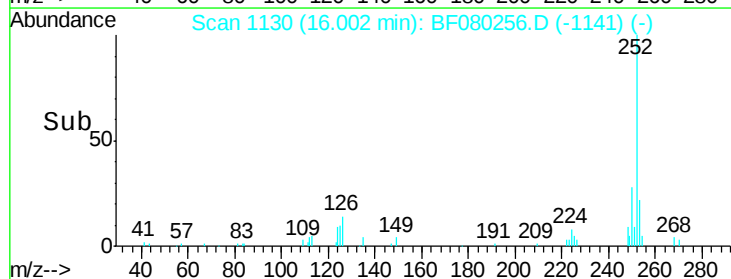
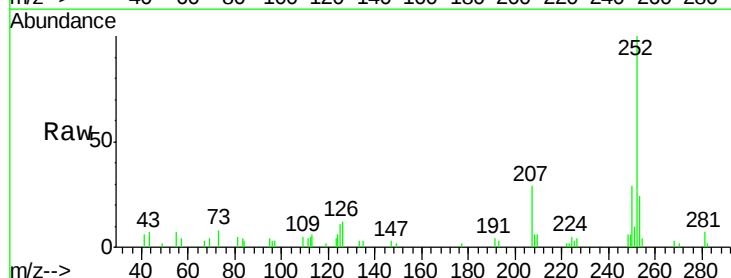
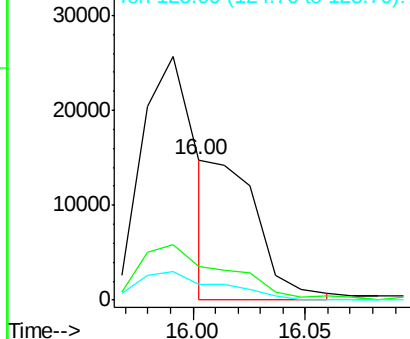
Delta R.T. -0.42 min

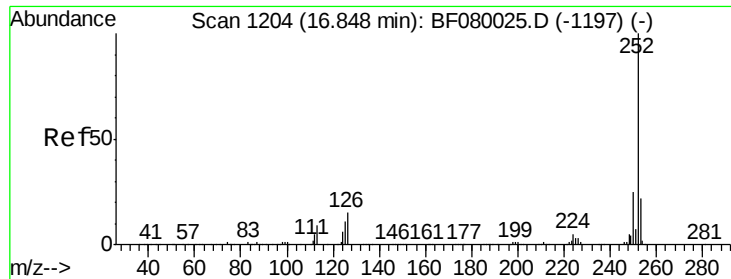
Lab File: BF080256.D

Acq: 1 Jul 2015 2:43

Tgt Ion:	252	Resp:	20983
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.0	25.4
125	11.4	16.0	24.0#

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





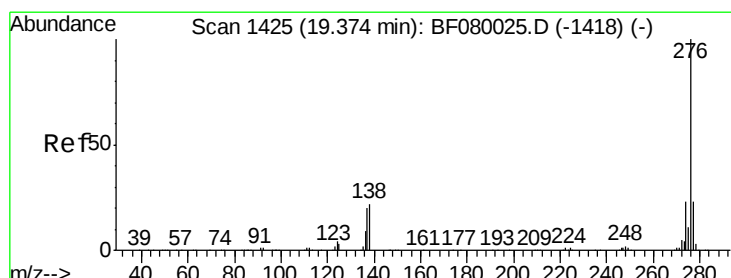
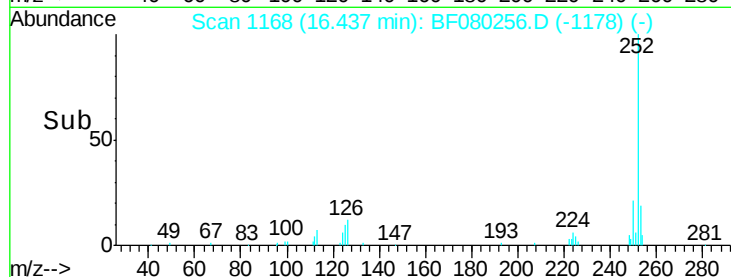
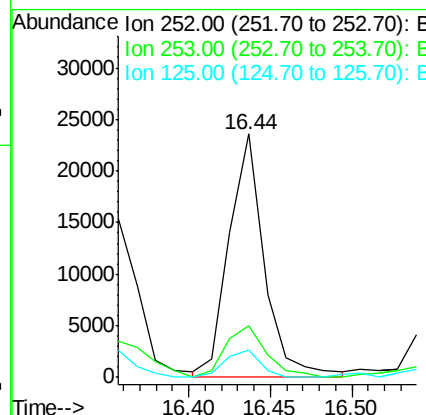
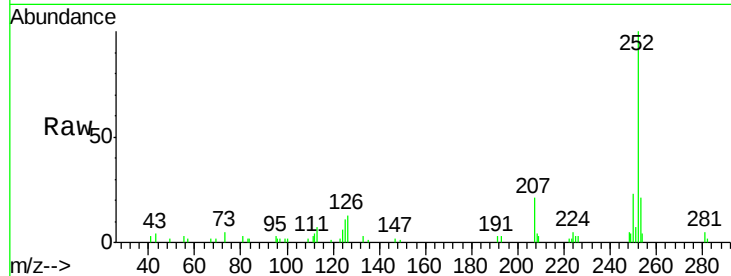
#89
Benzo(a)pyrene
Concen: 4.22 ng
RT: 16.44 min Scan# 1168
Delta R.T. -0.41 min
Lab File: BF080256.D
Acq: 1 Jul 2015 2:43

Instrument :
BNA_F
ClientSampleId :
TEC-B2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.2	25.8
125	11.3	18.0	27.0#

Manual Integrations
APPROVED

apatel
7/1/2015 4:17:30 PM



#91
Benzo(g,h,i)perylene
Concen: 2.72 ng
RT: 18.86 min Scan# 1380
Delta R.T. -0.49 min
Lab File: BF080256.D
Acq: 1 Jul 2015 2:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.8	26.6
138	21.0	34.6	51.8#

