

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082332.D
 Acq On : 16 Oct 2015 18:18
 Operator : UM/IZ
 Sample : G4051-06 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK1-6-20151015

Manual Integrations
 APPROVED

MMdadoda
 10/19/2015 5:32:16 PM

Quant Time: Oct 17 02:07:36 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 17 01:08:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	53589	20.00	ng	0.06
21) Naphthalene-d8	8.18	136	244076	20.00	ng	0.06
38) Acenaphthene-d10	9.93	164	134748	20.00	ng	0.05
63) Phenanthrene-d10	11.42	188	277227	20.00	ng	0.05
75) Chrysene-d12	14.12	240	243136	20.00	ng	0.05
86) Perylene-d12	15.67	264	220110	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	15679	5.90	ng	0.07
7) Phenol-d6	6.54	99	18224	5.27	ng	0.06
23) Nitrobenzene-d5	7.46	82	10002	2.75	ng	0.05
41) 2,4,6-Tribromophenol	10.72	330	14639	11.58	ng	0.03
44) 2-Fluorobiphenyl	9.26	172	30662	3.77	ng	0.05
78) Terphenyl-d14	13.01	244	88615	9.66	ng	0.05
Target Compounds						Qvalue
48) Acenaphthylene	9.79	152	29904	2.37	ng	98
70) Phenanthrene	11.44	178	177112	13.03	ng	99
71) Anthracene	11.50	178	35920	2.57	ng	98
74) Fluoranthene	12.63	202	277689	19.03	ng	97
77) Pyrene	12.87	202	243492	16.88	ng	97
80) Benzo(a)anthracene	14.10	228	109132	8.63	ng	96
82) Chrysene	14.14	228	120443m	9.04	ng	
85) Indeno(1,2,3-cd)pyrene	17.13	276	73549	6.94	ng	92
87) Benzo(b)fluoranthene	15.24	252	139802m	10.44	ng	
88) Benzo(k)fluoranthene	15.26	252	57465m	5.11	ng	
89) Benzo(a)pyrene	15.60	252	94907	8.25	ng	99
91) Benzo(a,h,i)perylene	17.58	276	72128	7.87	ng	97

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

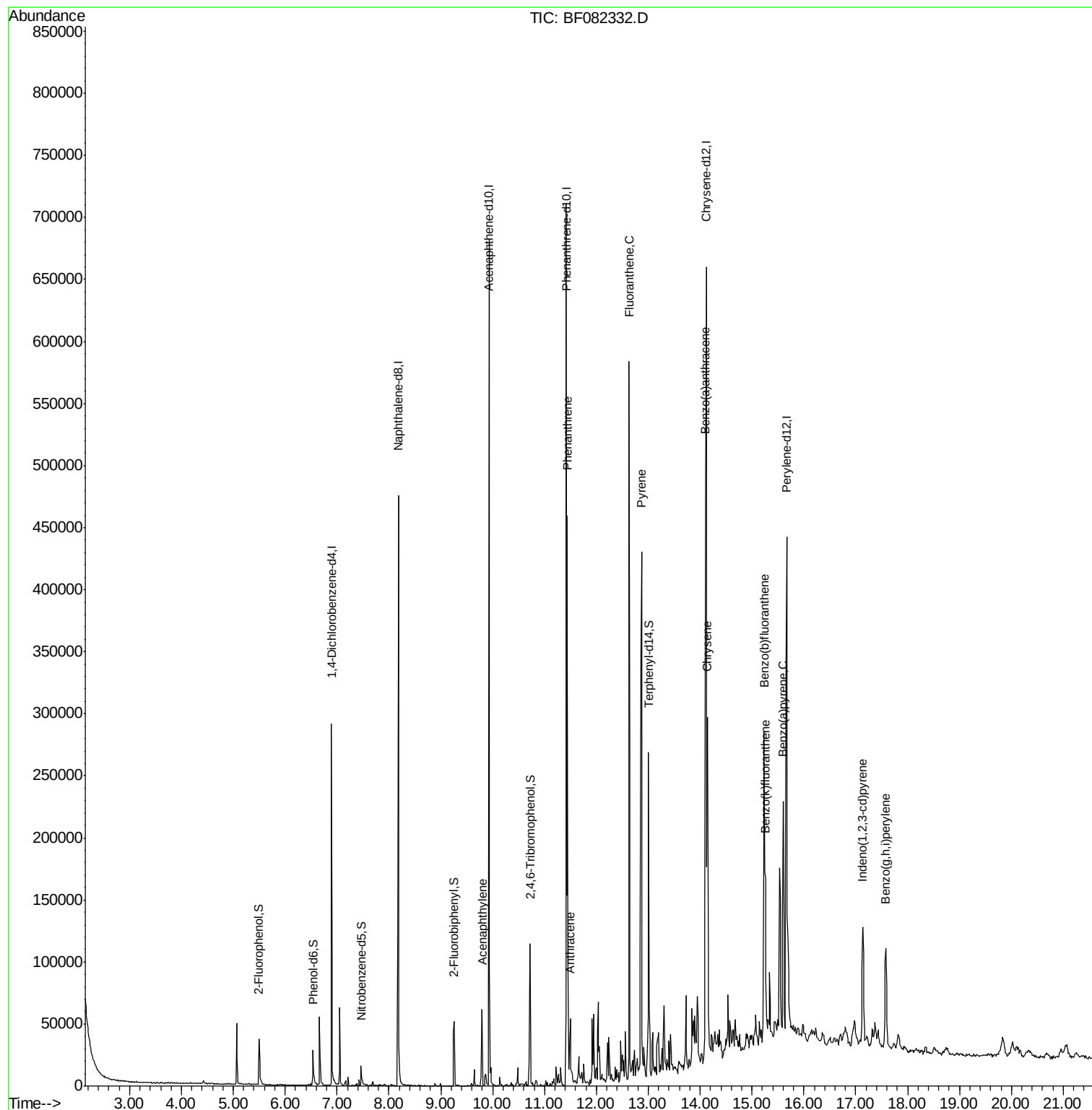
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082332.D
Acq On : 16 Oct 2015 18:18
Operator : UM/IZ
Sample : G4051-06 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

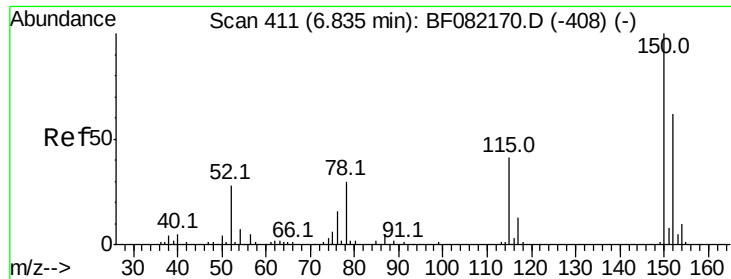
Instrument :
BNA_F
ClientSampleId :
TK1-6-20151015

Manual Integrations
APPROVED

MMdadoda
10/19/2015 5:32:16 PM

Quant Time: Oct 17 02:07:36 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 17 01:08:23 2015
Response via : Initial Calibration





#1

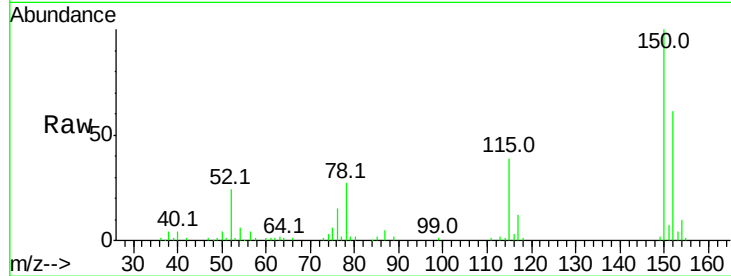
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 416
Delta R.T. 0.06 min
Lab File: BF082332.D
Acq: 16 Oct 2015 18:18

Instrument :
BNA_F
ClientSampleId :
TK1-6-20151015

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.7	129.0	193.4
115	63.5	52.1	78.1

Manual Integrations
APPROVED

MMdadoda
10/19/2015 5:32:16 PM



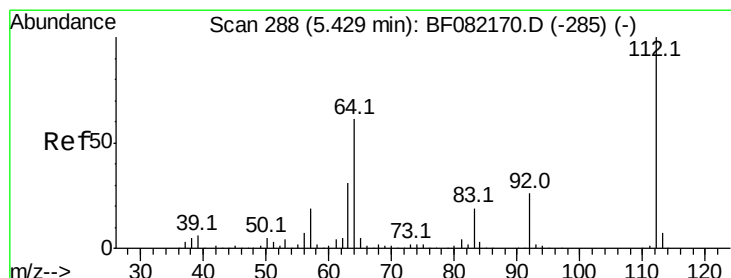
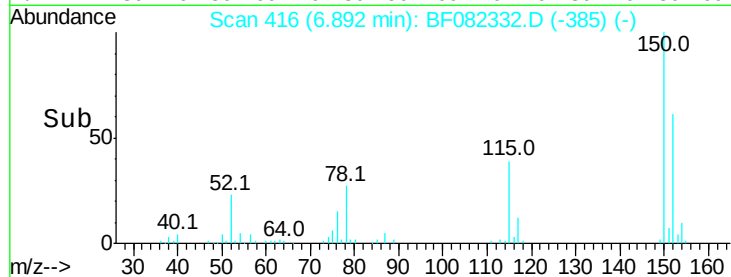
Abundance

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

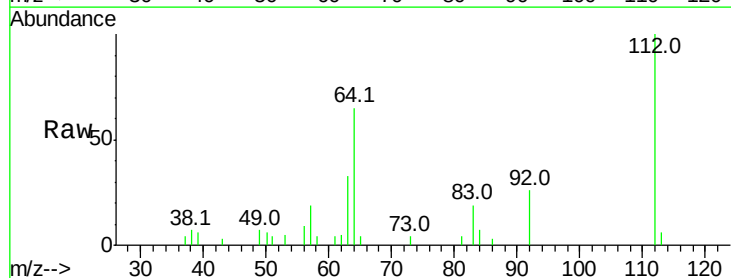
Time-->



#5

2-Fluorophenol
Concen: 5.90 ng
RT: 5.50 min Scan# 294
Delta R.T. 0.07 min
Lab File: BF082332.D
Acq: 16 Oct 2015 18:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	48.6	73.0
63	33.1	25.1	37.7



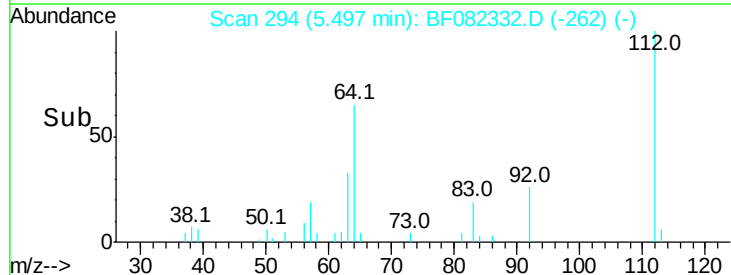
Abundance

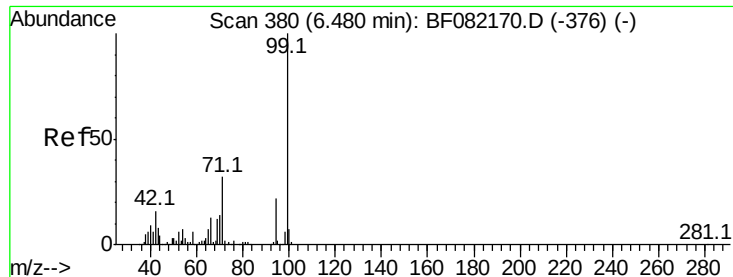
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 5.27 ng

RT: 6.54 min Scan# 385

Delta R.T. 0.06 min

Lab File: BF082332.D

Acq: 16 Oct 2015 18:18

Instrument :

BNA_F

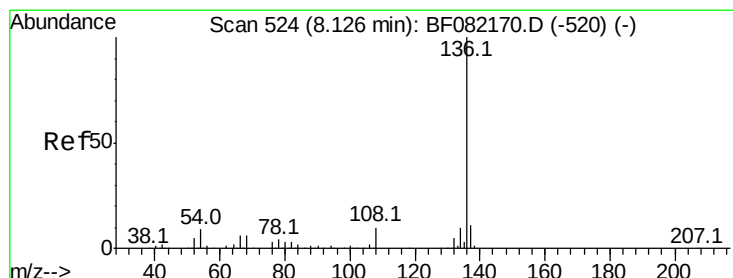
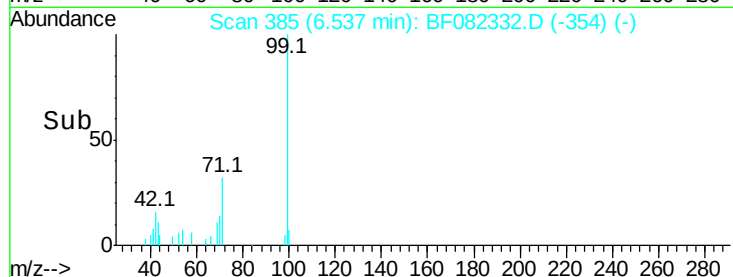
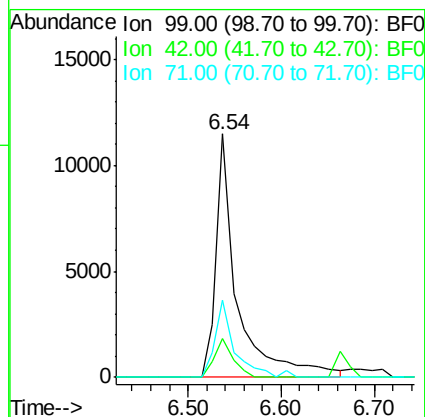
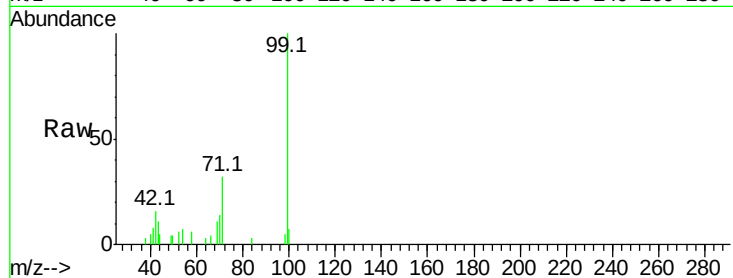
ClientSampleId :

TK1-6-20151015

Tot Ion:	99	Resp:	18224
Ion Ratio	Lower	Upper	
99	100		
42	15.8	13.2	19.8
71	31.9	25.6	38.4

Manual Integrations
APPROVED

MMdadoda
10/19/2015 5:32:16 PM



#21

Naphthalene-d8

Concen: 20.00 ng

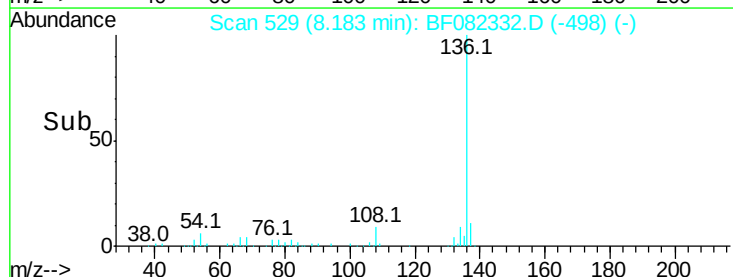
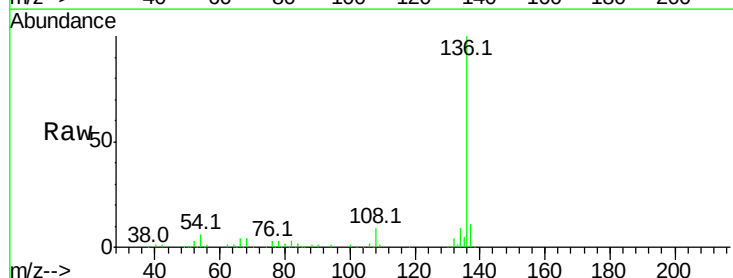
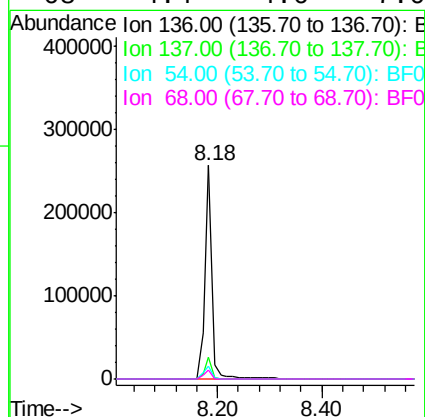
RT: 8.18 min Scan# 529

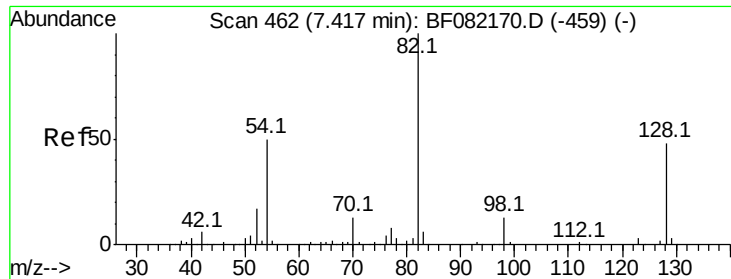
Delta R.T. 0.06 min

Lab File: BF082332.D

Acq: 16 Oct 2015 18:18

Tgt Ion:	136	Resp:	244076
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.0	13.6
54	6.2	7.5	11.3#
68	4.4	4.6	7.0#





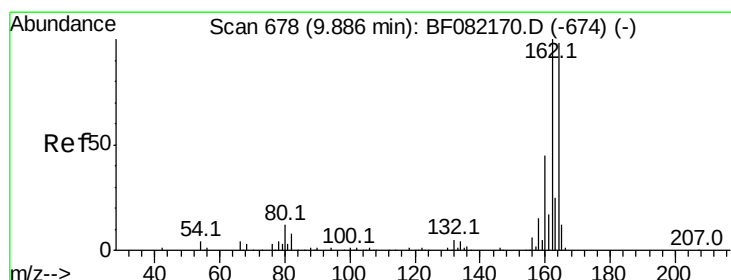
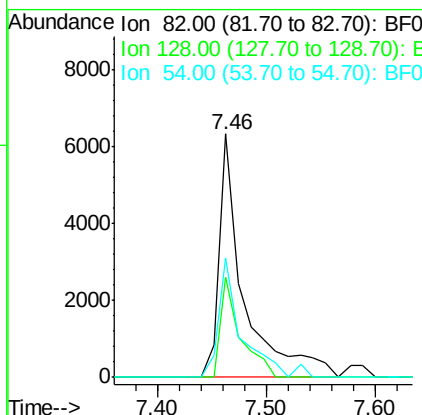
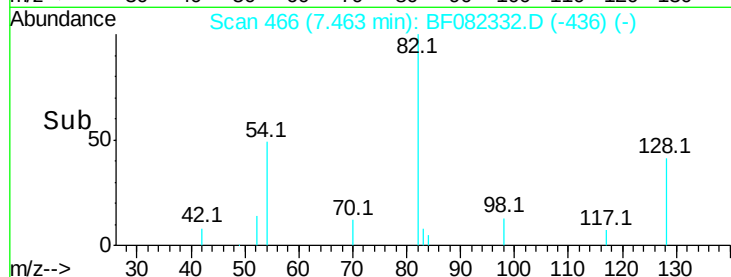
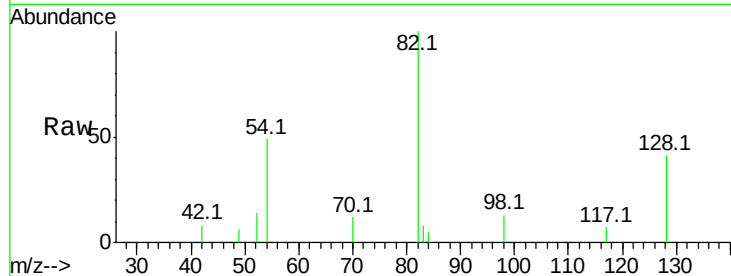
#23
 Nitrobenzene-d5
 Concen: 2.75 ng
 RT: 7.46 min Scan# 466
 Delta R.T. 0.05 min
 Lab File: BF082332.D
 Acq: 16 Oct 2015 18:18

Instrument :
 BNA_F
 ClientSampleId :
 TK1-6-20151015

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	38.7	58.1
54	49.0	40.1	60.1

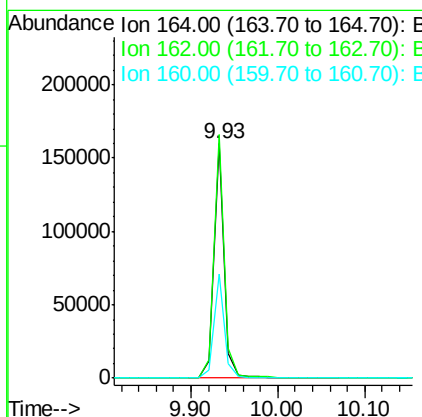
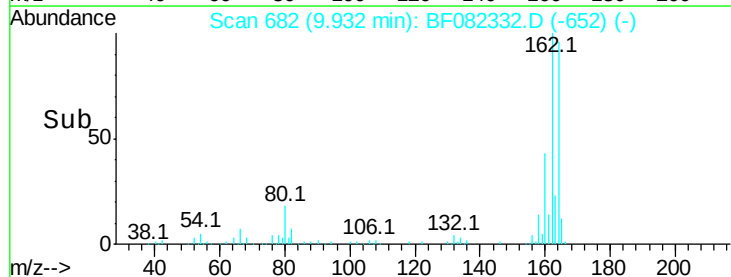
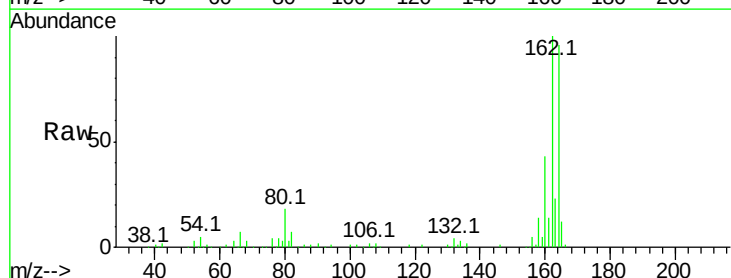
Manual Integrations
 APPROVED

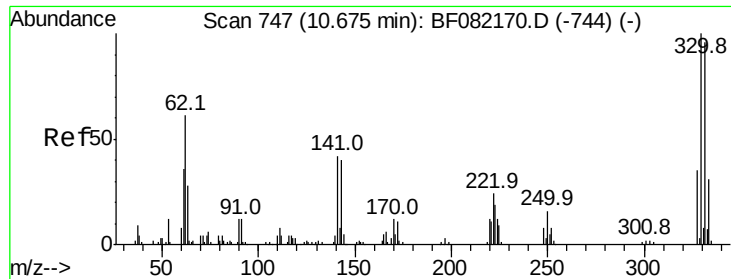
MMdadoda
 10/19/2015 5:32:16 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 682
 Delta R.T. 0.05 min
 Lab File: BF082332.D
 Acq: 16 Oct 2015 18:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.6	122.4
160	44.2	36.4	54.6





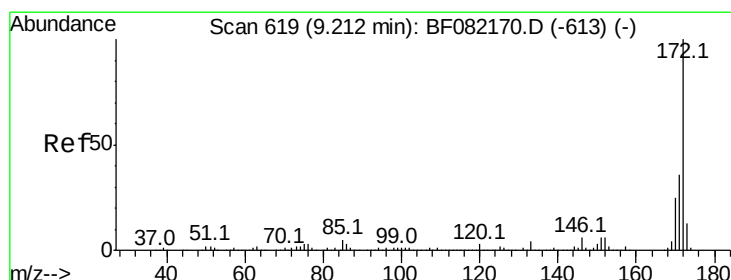
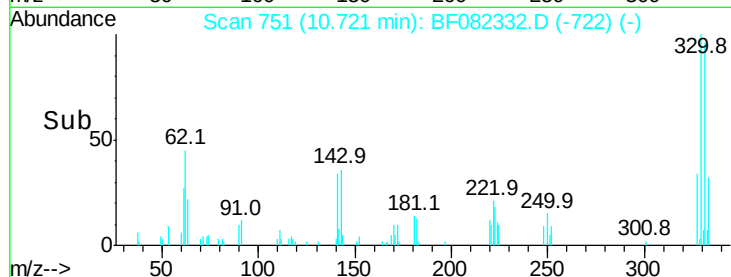
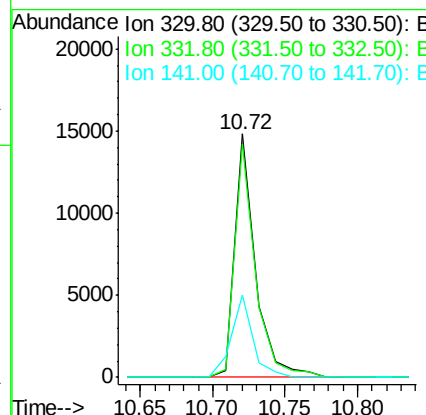
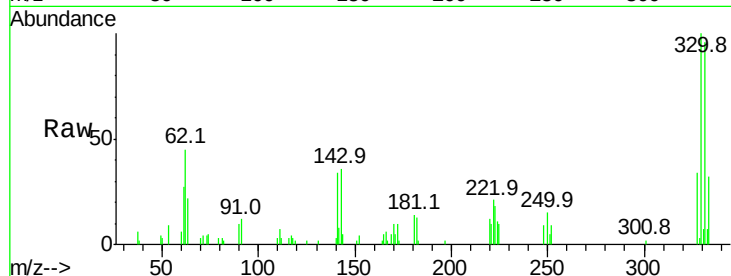
#41
 2,4,6-Tribromophenol
 Concen: 11.58 ng
 RT: 10.72 min Scan# 751
 Delta R.T. 0.03 min
 Lab File: BF082332.D
 Acq: 16 Oct 2015 18:18

Instrument :
 BNA_F
 ClientSampleId :
 TK1-6-20151015

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	77.1	115.7	
141	35.3	29.8	44.8	

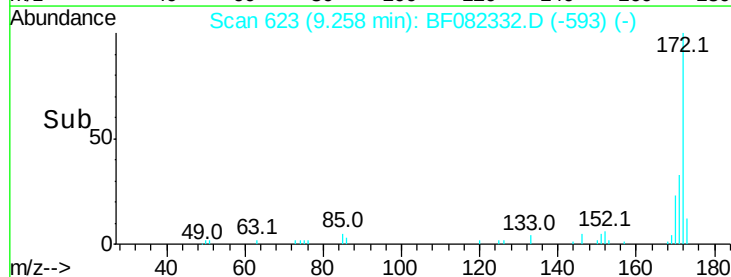
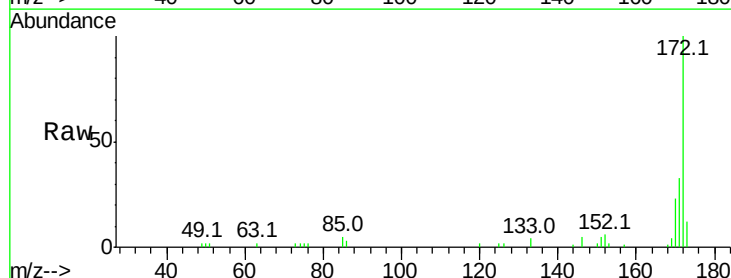
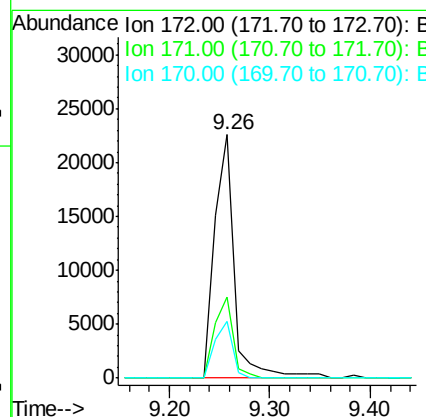
Manual Integrations
 APPROVED

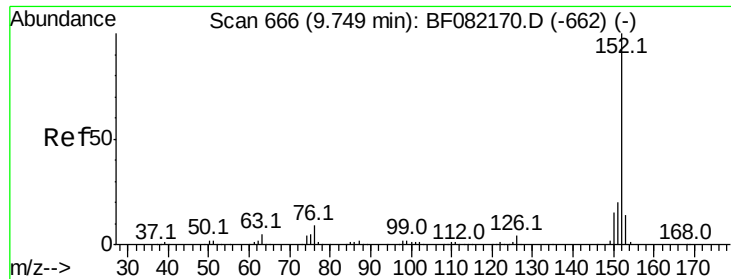
MMdadoda
 10/19/2015 5:32:16 PM



#44
 2-Fluorobiphenyl
 Concen: 3.77 ng
 RT: 9.26 min Scan# 623
 Delta R.T. 0.05 min
 Lab File: BF082332.D
 Acq: 16 Oct 2015 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.1	28.6	42.8	
170	23.3	19.7	29.5	





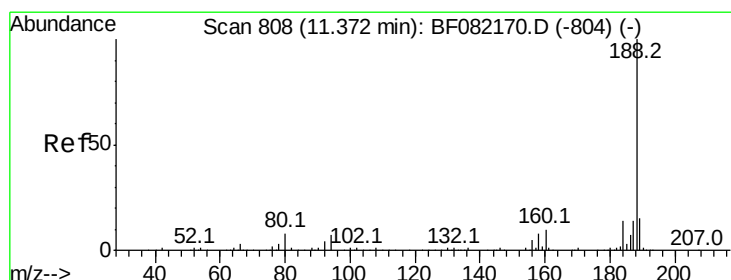
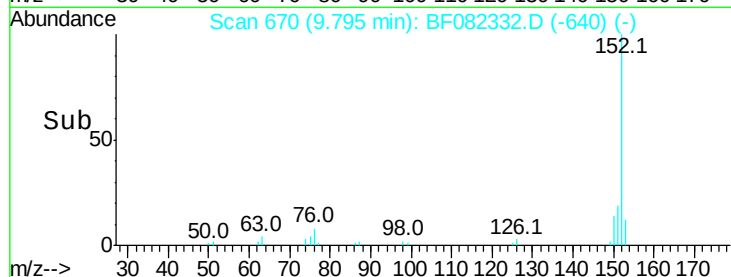
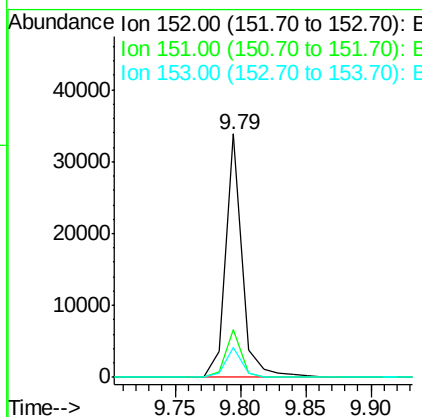
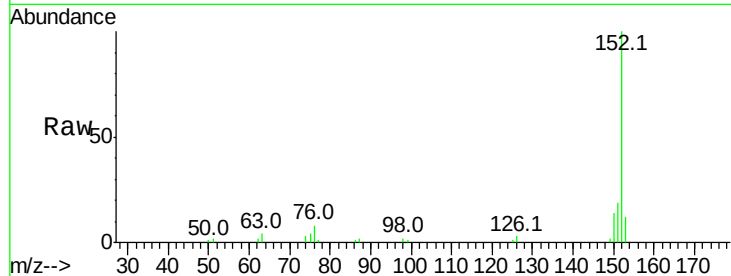
#48
Acenaphthylene
Concen: 2.37 ng
RT: 9.79 min Scan# 670
Delta R.T. 0.05 min
Lab File: BF082332.D
Acq: 16 Oct 2015 18:18

Instrument :
BNA_F
ClientSampleId :
TK1-6-20151015

Tot Ion:	152	Resp:	29904
Ion Ratio	Lower	Upper	
152	100		
151	19.4	16.4	24.6
153	12.4	10.8	16.2

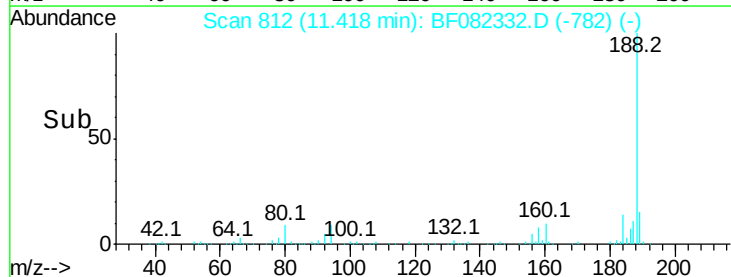
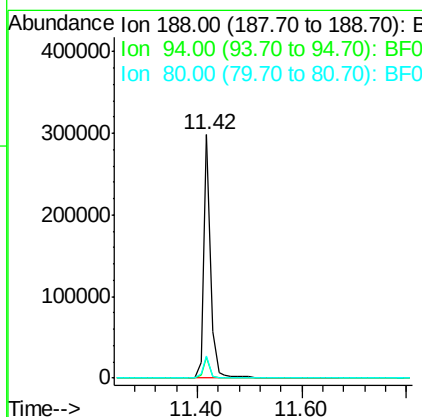
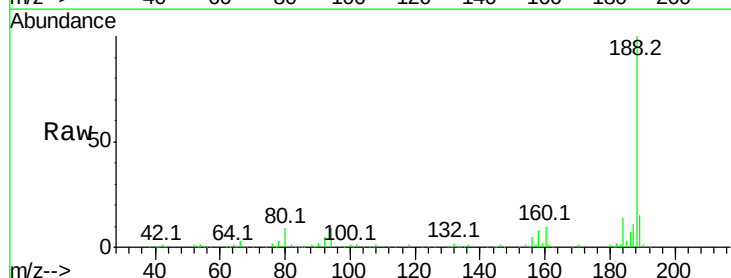
Manual Integrations
APPROVED

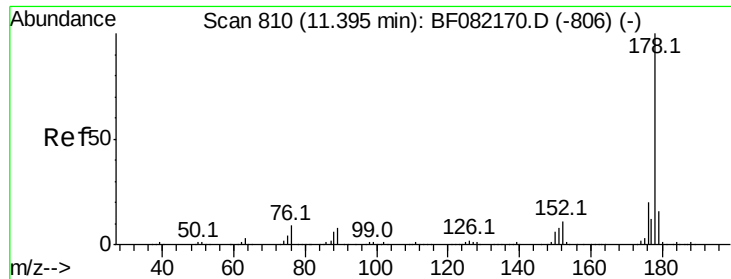
MMdadoda
10/19/2015 5:32:16 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 812
Delta R.T. 0.05 min
Lab File: BF082332.D
Acq: 16 Oct 2015 18:18

Tgt Ion:	188	Resp:	277227
Ion Ratio	Lower	Upper	
188	100		
94	8.6	5.8	8.6
80	9.3	6.4	9.6





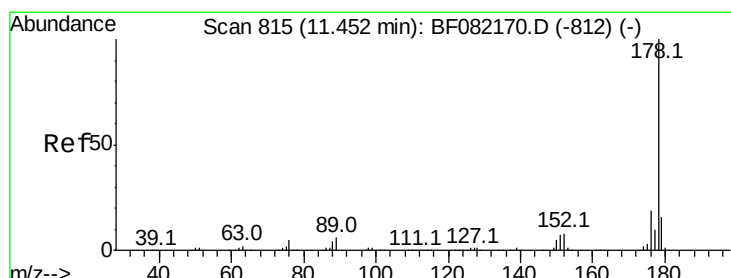
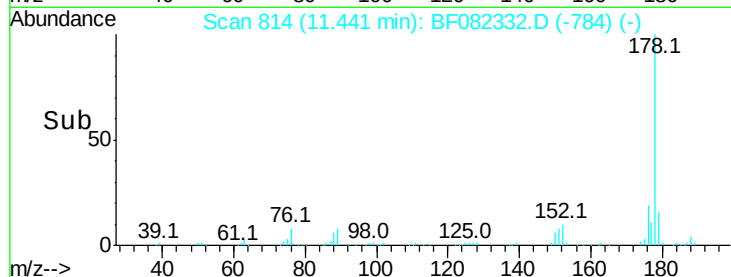
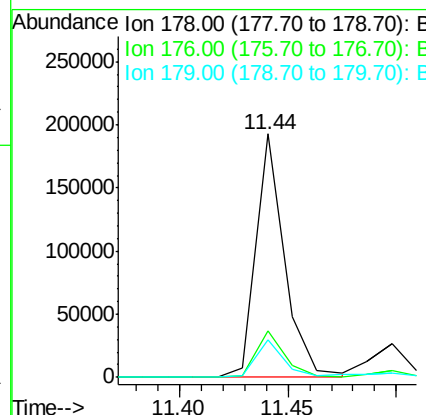
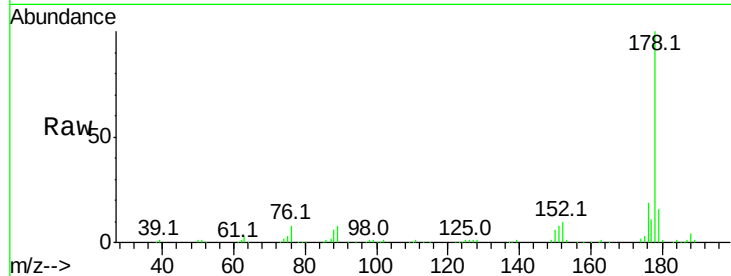
#70
Phenanthrene
Concen: 13.03 ng
RT: 11.44 min Scan# 814
Delta R.T. 0.05 min
Lab File: BF082332.D
Acq: 16 Oct 2015 18:18

Instrument :
BNA_F
ClientSampleId :
TK1-6-20151015

Tot Ion	Ratio	Resp	Lower	Upper
178	100	177112		
176	19.0	16.0	24.0	
179	15.6	12.6	19.0	

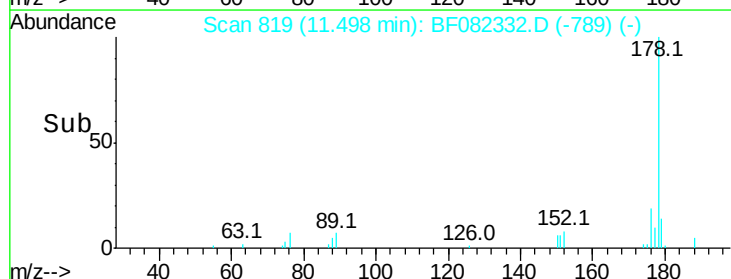
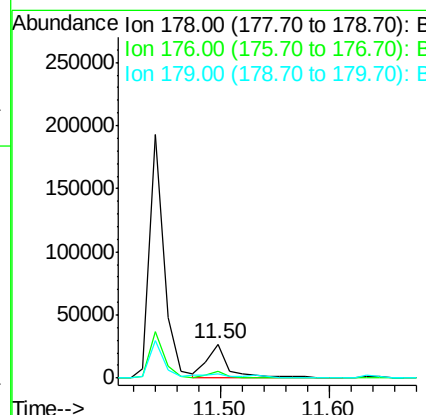
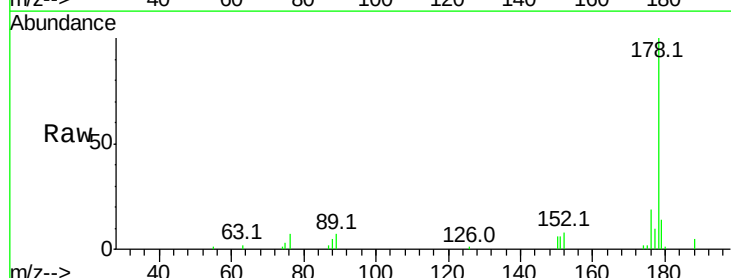
Manual Integrations
APPROVED

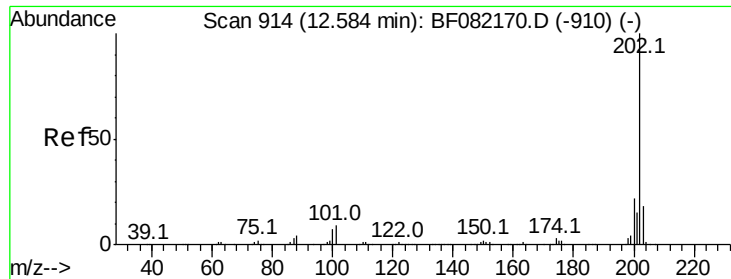
MMdadoda
10/19/2015 5:32:16 PM



#71
Anthracene
Concen: 2.57 ng
RT: 11.50 min Scan# 819
Delta R.T. 0.05 min
Lab File: BF082332.D
Acq: 16 Oct 2015 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	35920		
176	18.6	15.4	23.0	
179	14.3	12.5	18.7	





#74

Fluoranthene

Concen: 19.03 ng

RT: 12.63 min Scan# 918

Delta R.T. 0.03 min

Lab File: BF082332.D

Acq: 16 Oct 2015 18:18

Instrument :

BNA_F

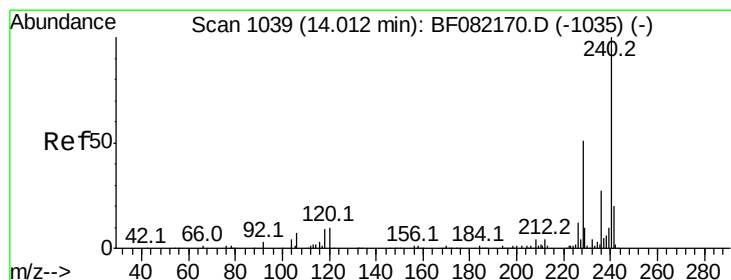
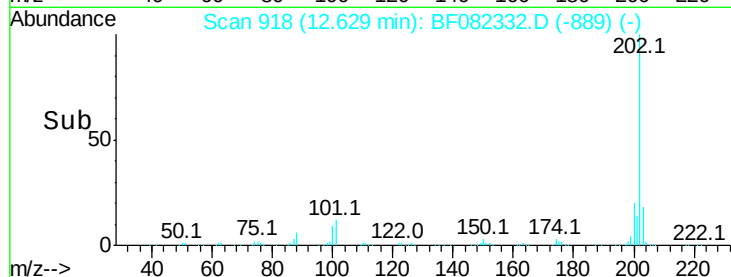
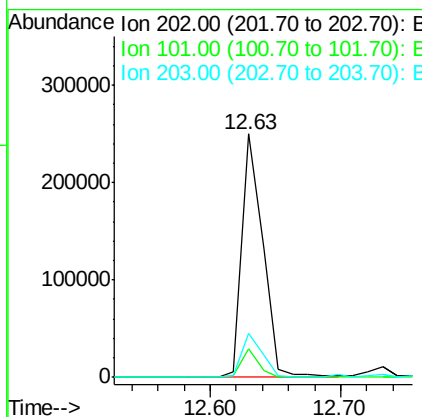
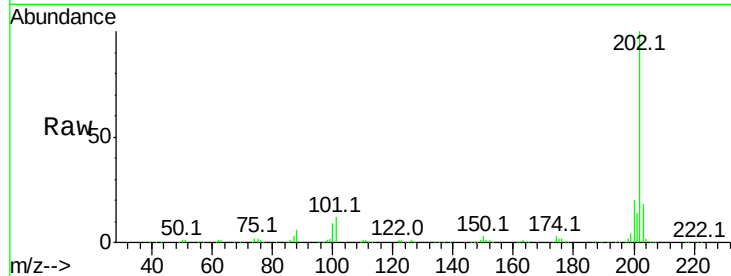
ClientSampleId :

TK1-6-20151015

Tot Ion:	202	Resp:	277689
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	29.3
203	17.9	0.0	37.8

Manual Integrations
APPROVED

MMdadoda
10/19/2015 5:32:16 PM



#75

Chrysene-d12

Concen: 20.00 ng

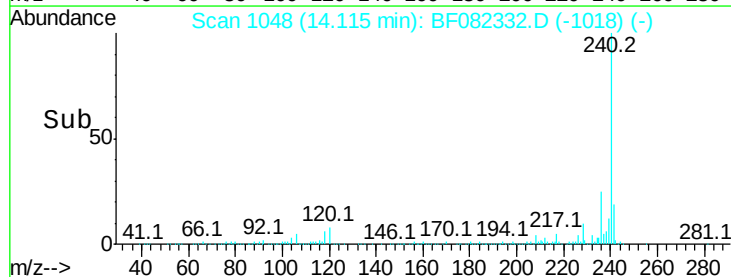
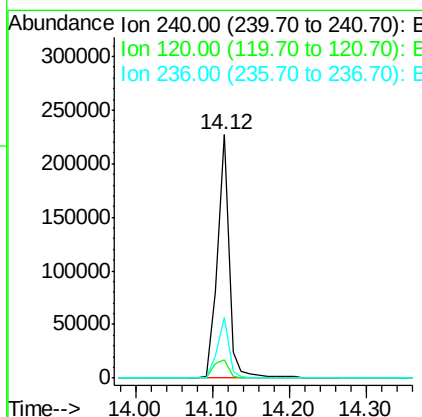
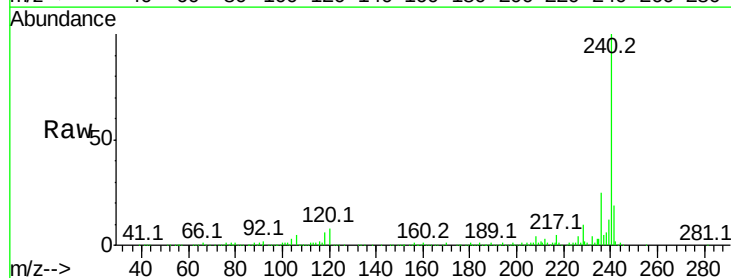
RT: 14.12 min Scan# 1048

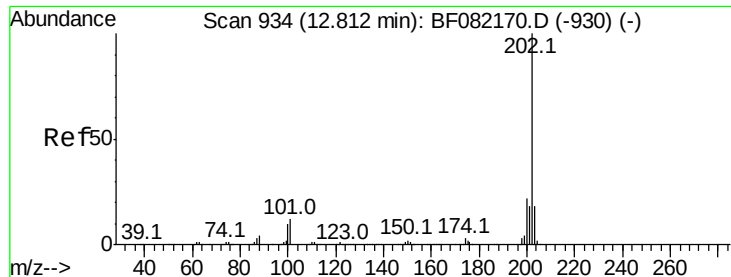
Delta R.T. 0.05 min

Lab File: BF082332.D

Acq: 16 Oct 2015 18:18

Tgt Ion:	240	Resp:	243136
Ion Ratio	Lower	Upper	
240	100		
120	7.6	8.1	12.1#
236	24.9	21.3	31.9





#77

Pvrene

Concen: 16.88 ng

RT: 12.87 min Scan# 939

Delta R.T. 0.05 min

Lab File: BF082332.D

Acq: 16 Oct 2015 18:18

Instrument :

BNA_F

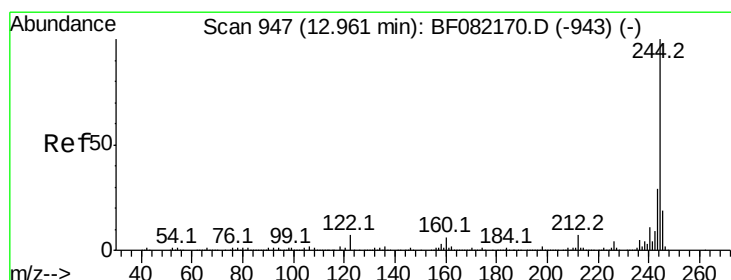
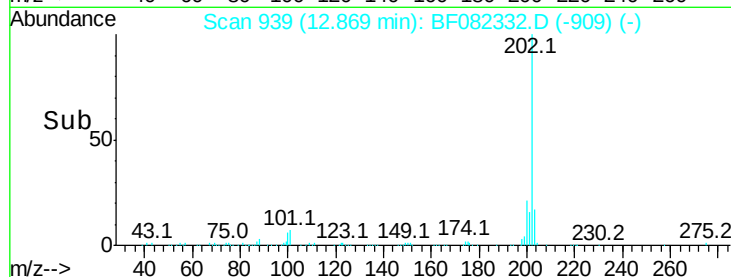
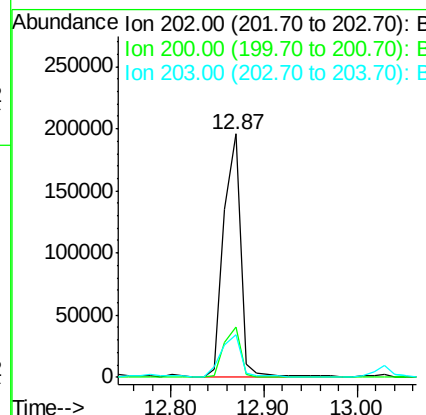
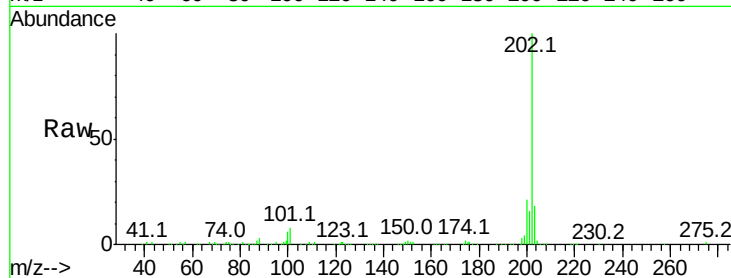
ClientSampleId :

TK1-6-20151015

Tot Ion:	202	Resp:	243492
Ion Ratio		Lower	Upper
202	100		
200	20.5	17.9	26.9
203	17.5	14.5	21.7

Manual Integrations
APPROVED

MMdadoda
10/19/2015 5:32:16 PM



#78

Terphenyl-d14

Concen: 9.66 ng

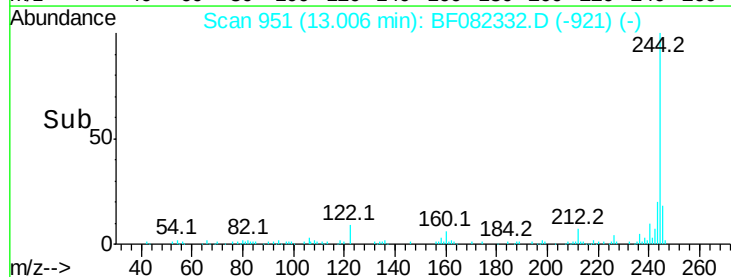
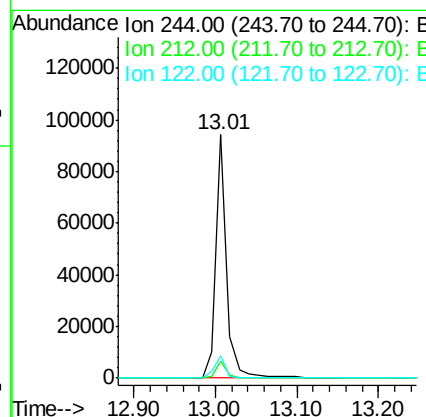
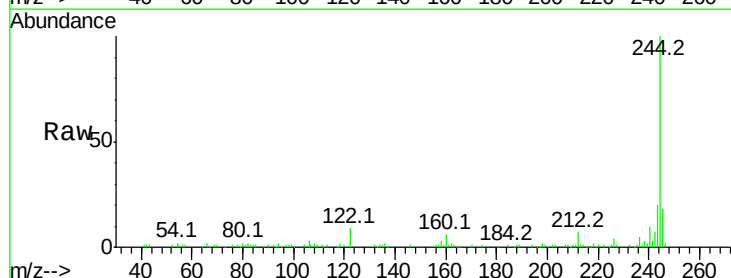
RT: 13.01 min Scan# 951

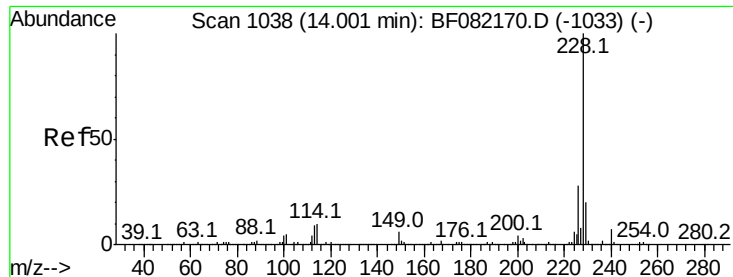
Delta R.T. 0.05 min

Lab File: BF082332.D

Acq: 16 Oct 2015 18:18

Tgt Ion:	244	Resp:	88615
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.8	8.6
122	9.1	5.9	8.9#





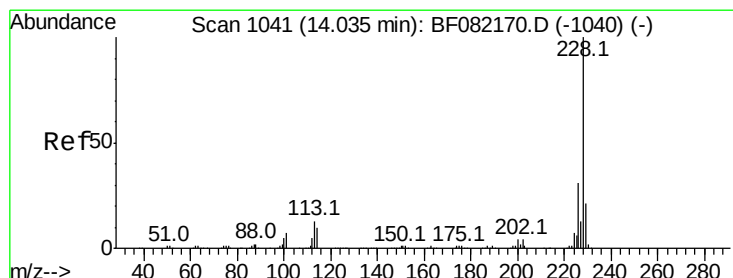
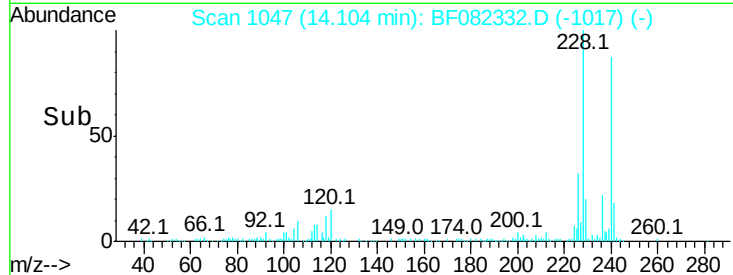
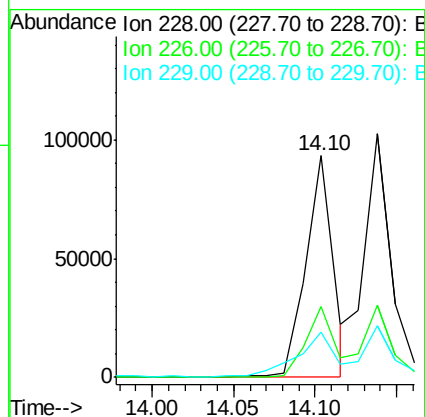
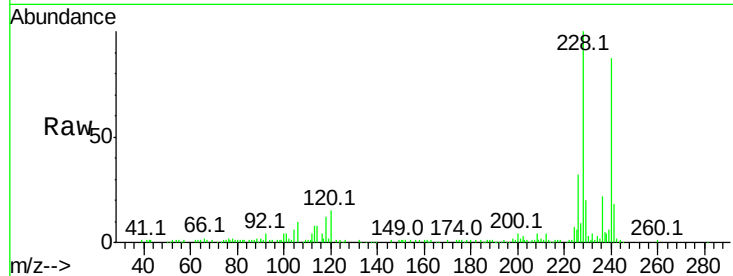
#80
Benzo(a)anthracene
Concen: 8.63 ng
RT: 14.10 min Scan# 1047
Delta R.T. 0.05 min
Lab File: BF082332.D
Acq: 16 Oct 2015 18:18

Instrument :
BNA_F
ClientSampleId :
TK1-6-20151015

Tot Ion	Ratio	Resp Lower	Upper
228	100		
226	31.9	22.3	33.5
229	20.3	16.2	24.2

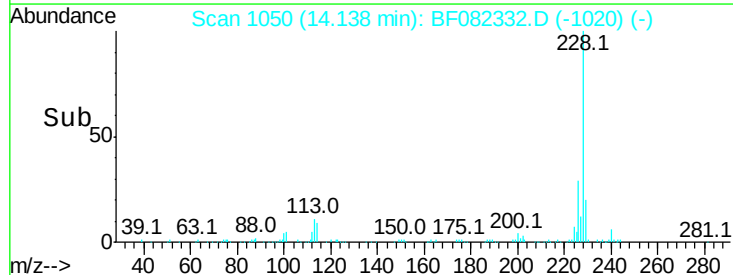
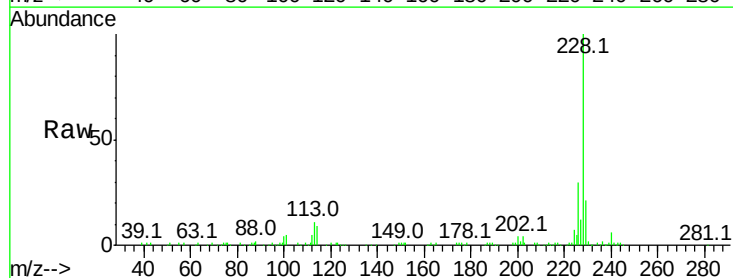
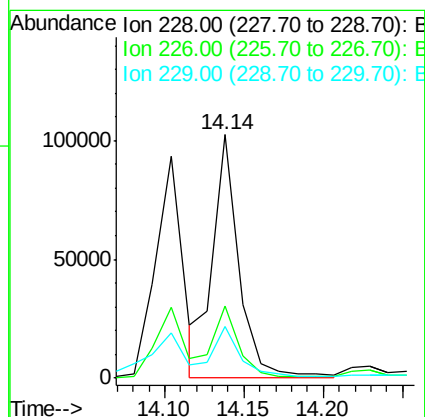
Manual Integrations
APPROVED

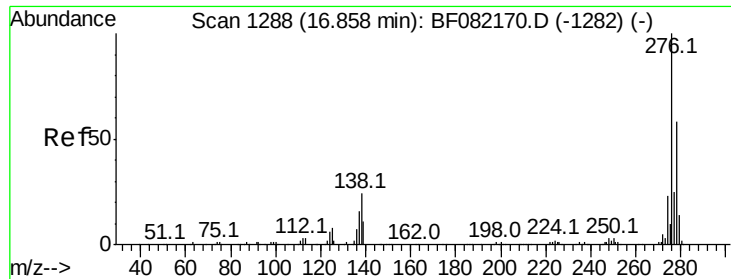
MMdadoda
10/19/2015 5:32:16 PM



#82
Chrysene
Concen: 9.04 ng m
RT: 14.14 min Scan# 1050
Delta R.T. 0.05 min
Lab File: BF082332.D
Acq: 16 Oct 2015 18:18

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.6	24.4	36.6
229	21.0	16.3	24.5





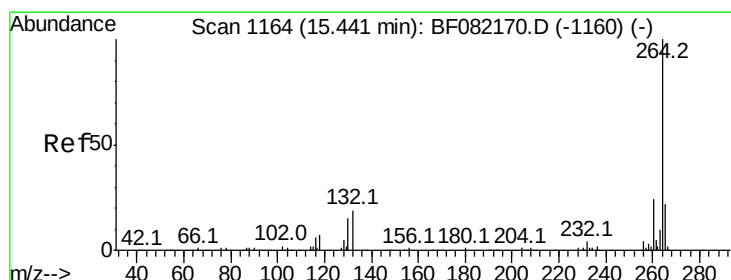
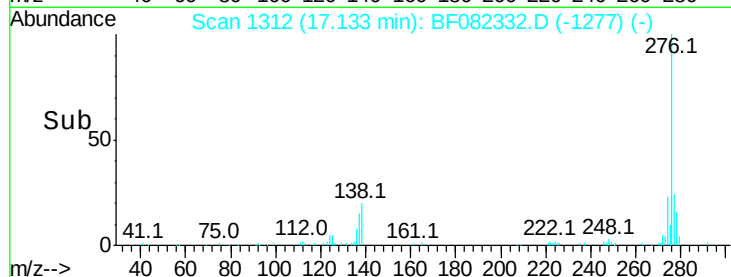
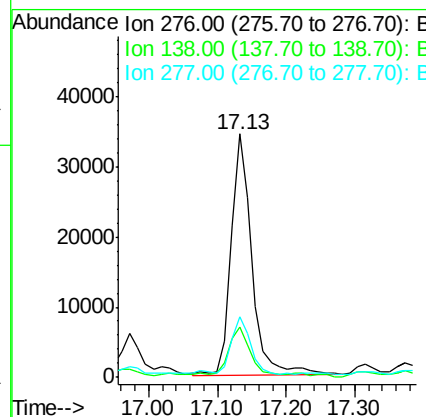
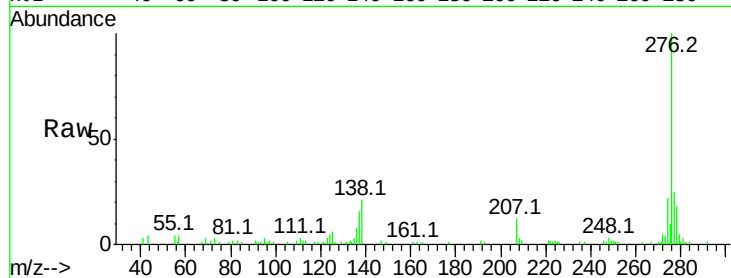
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.94 ng
RT: 17.13 min Scan# 1312
Delta R.T. 0.10 min
Lab File: BF082332.D
Acq: 16 Oct 2015 18:18

Instrument :
BNA_F
ClientSampleId :
TK1-6-20151015

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.0	19.7	29.5
277	21.7	20.1	30.1

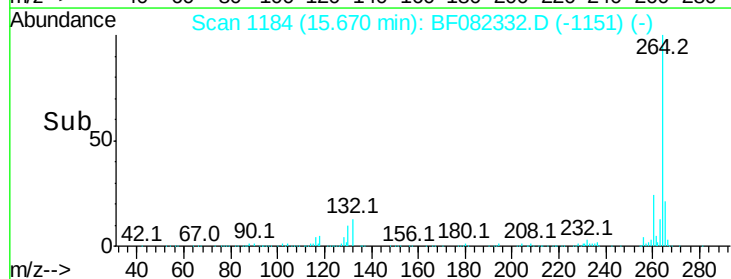
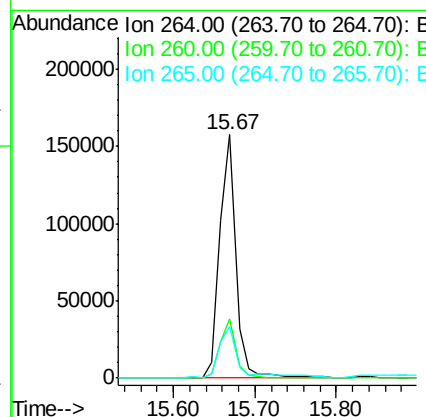
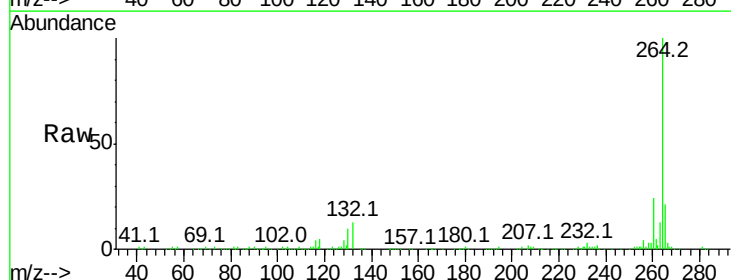
Manual Integrations
APPROVED

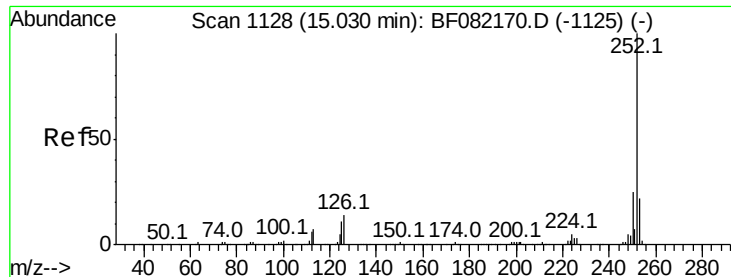
MMdadoda
10/19/2015 5:32:16 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.67 min Scan# 1184
Delta R.T. 0.08 min
Lab File: BF082332.D
Acq: 16 Oct 2015 18:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	21.4	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 10.44 ng m

RT: 15.24 min Scan# 1146

Delta R.T. 0.07 min

Lab File: BF082332.D

Acq: 16 Oct 2015 18:18

Instrument :

BNA_F

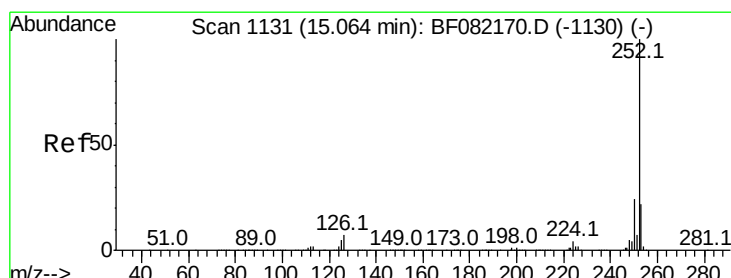
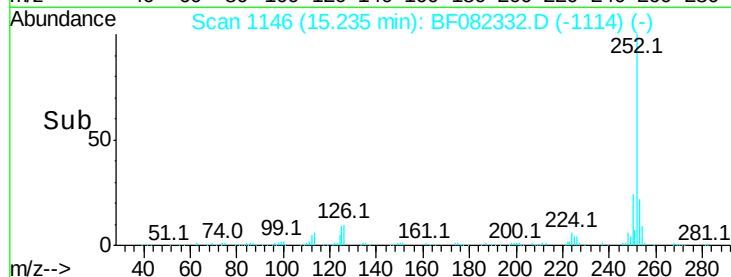
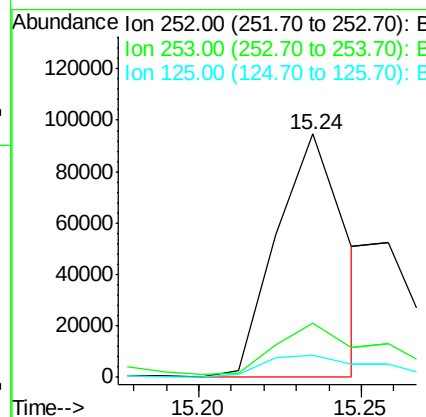
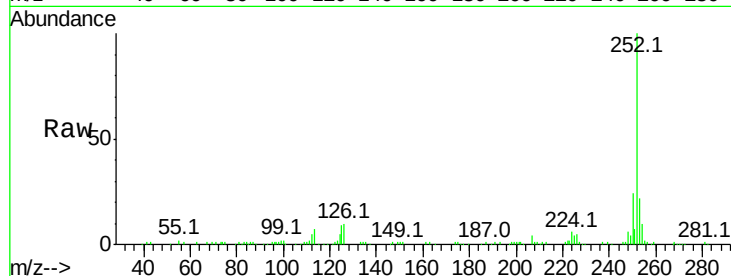
ClientSampleId :

TK1-6-20151015

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	9.3	8.6	12.8

Manual Integrations
APPROVED

MMdadoda
10/19/2015 5:32:16 PM



#88

Benzo(k)fluoranthene

Concen: 5.11 ng m

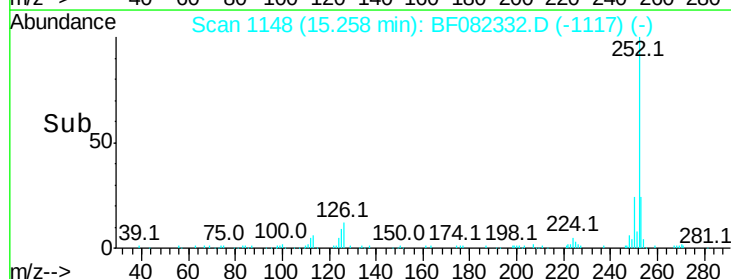
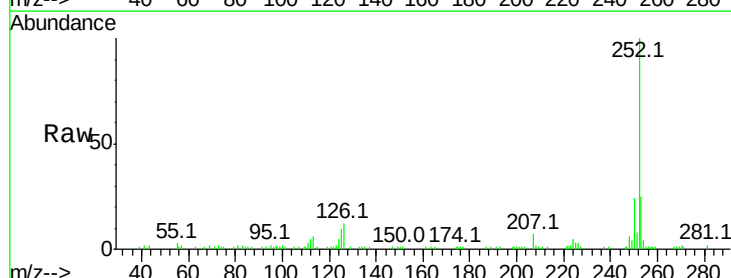
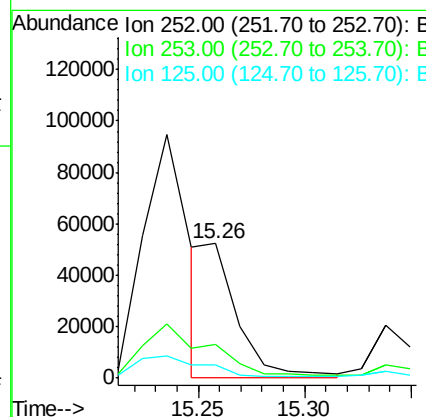
RT: 15.26 min Scan# 1148

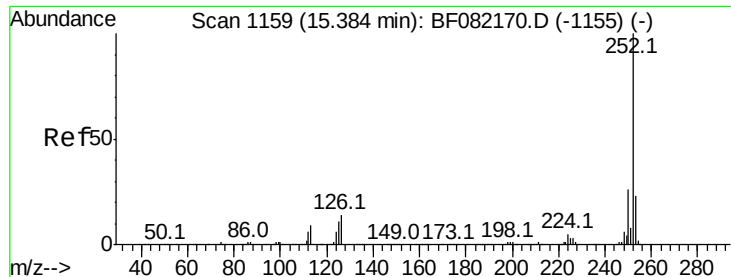
Delta R.T. 0.06 min

Lab File: BF082332.D

Acq: 16 Oct 2015 18:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	10.1	6.7	10.1





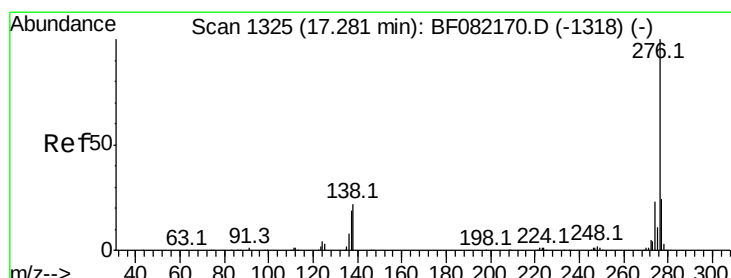
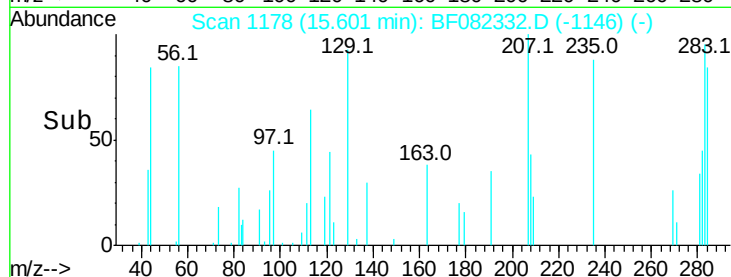
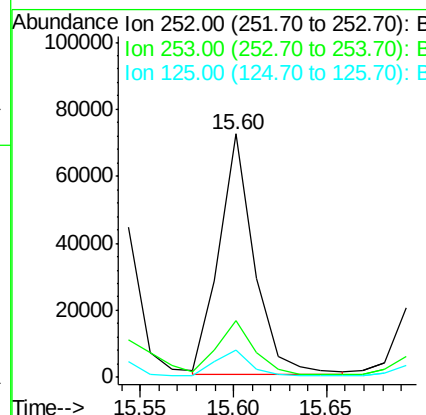
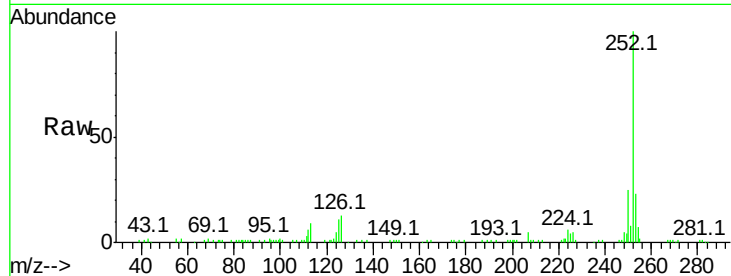
#89
Benzo(a)pyrene
Concen: 8.25 ng
RT: 15.60 min Scan# 1178
Delta R.T. 0.07 min
Lab File: BF082332.D
Acq: 16 Oct 2015 18:18

Instrument :
BNA_F
ClientSampleId :
TK1-6-20151015

Tot Ion:	252	Resp:	94907
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.2	27.2
125	11.0	8.9	13.3

Manual Integrations
APPROVED

MMdadoda
10/19/2015 5:32:16 PM



#91
Benzo(g,h,i)perylene
Concen: 7.87 ng
RT: 17.58 min Scan# 1351
Delta R.T. 0.11 min
Lab File: BF082332.D
Acq: 16 Oct 2015 18:18

Tgt Ion:	276	Resp:	72128
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.8	28.2
138	19.2	17.4	26.2

