

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
 Data File : BF086123.D
 Acq On : 7 Apr 2016 3:13
 Operator : UM/SJ
 Sample : H2191-02 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1COMP

Manual Integrations
 APPROVED

Sohil
 4/7/2016 10:50:38 AM

Quant Time: Apr 07 09:15:17 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	87926m	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	330034	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	118310	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	220978	20.00	ng	-0.03
75) Chrysene-d12	13.91	240	204056	20.00	ng	-0.02
86) Perylene-d12	15.30	264	143318	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	176295	34.27	ng	-0.03
7) Phenol-d6	6.40	99	207260	31.72	ng	-0.02
23) Nitrobenzene-d5	7.31	82	121307	21.68	ng	-0.03
41) 2,4,6-Tribromophenol	10.58	330	27631	24.88	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	200166	28.13	ng	-0.03
78) Terphenyl-d14	12.84	244	158399	18.25	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.50	163	19445	2.22	ng	99
57) Fluorene	10.33	166	23240	2.92	ng	98
70) Phenanthrene	11.29	178	189525	15.72	ng	99
71) Anthracene	11.34	178	43101	3.41	ng	99
74) Fluoranthene	12.48	202	239611	19.11	ng	93
77) Pyrene	12.70	202	221388	15.40	ng	99
79) Butylbenzylphthalate	13.32	149	84186	13.00	ng	# 80
80) Benzo(a)anthracene	13.89	228	115257	9.58	ng	98
82) Chrysene	13.93	228	72132	6.23	ng	97
85) Indeno(1,2,3-cd)pyrene	16.65	276	28732	3.06	ng	93
87) Benzo(b)fluoranthene	14.91	252	82723m	9.18	ng	
88) Benzo(k)fluoranthene	14.92	252	34720m	4.35	ng	
89) Benzo(a)pyrene	15.24	252	57139	7.15	ng	# 89
91) Benzo(a,h,i)perylene	17.06	276	29336	4.72	ng	96

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

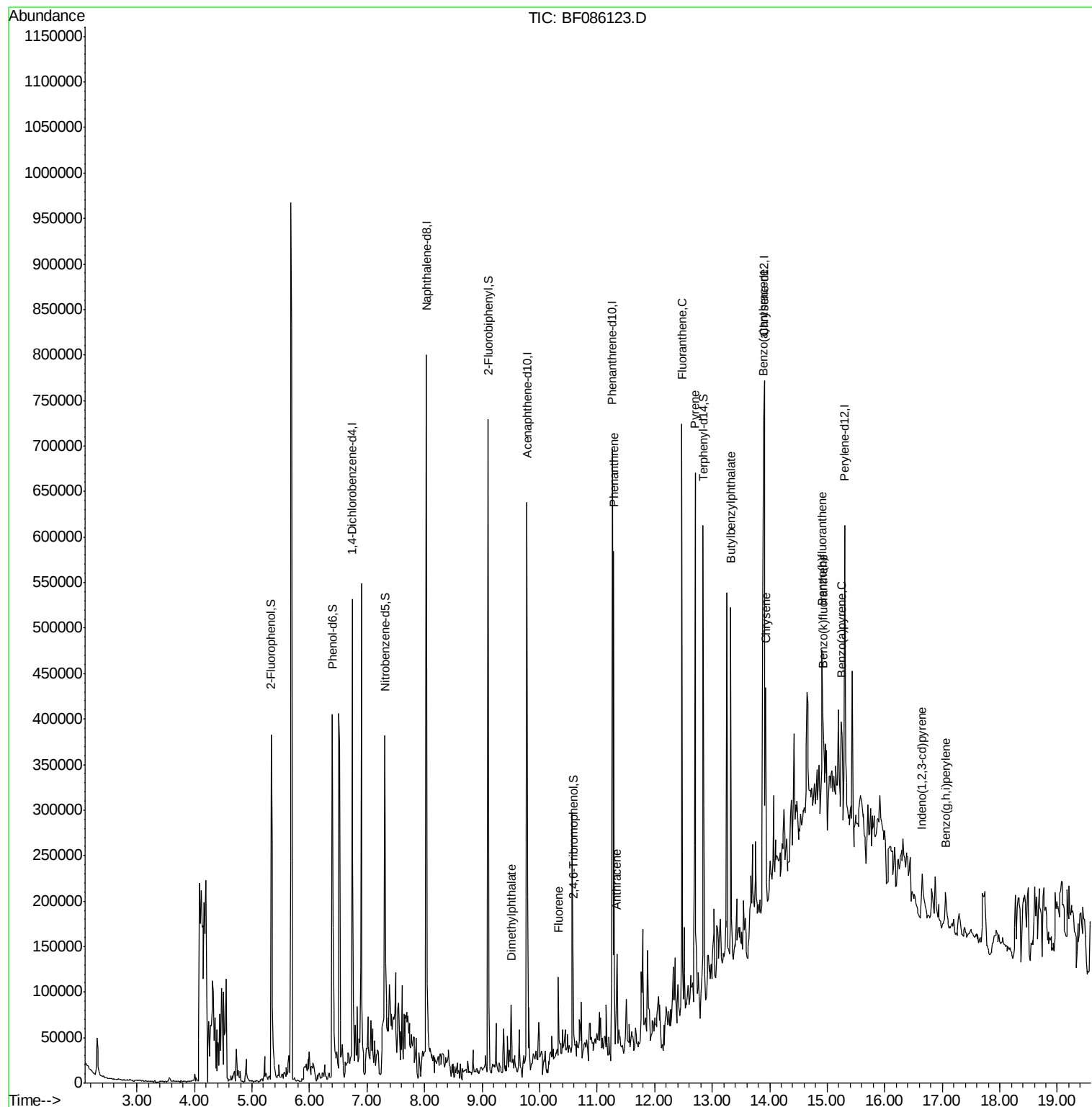
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
Data File : BF086123.D
Acq On : 7 Apr 2016 3:13
Operator : UM/SJ
Sample : H2191-02 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

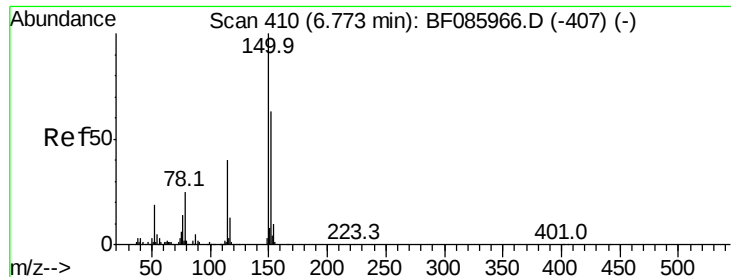
Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

Manual Integrations
APPROVED

Sohil
4/7/2016 10:50:38 AM

Quant Time: Apr 07 09:15:17 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration





#1

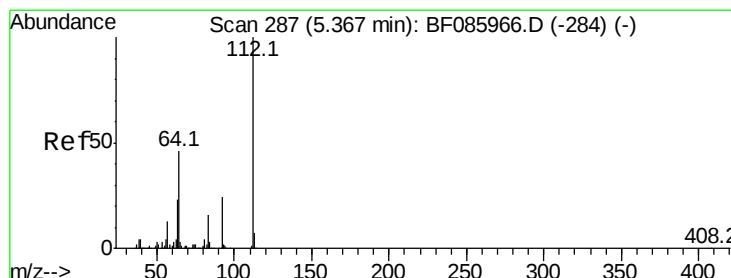
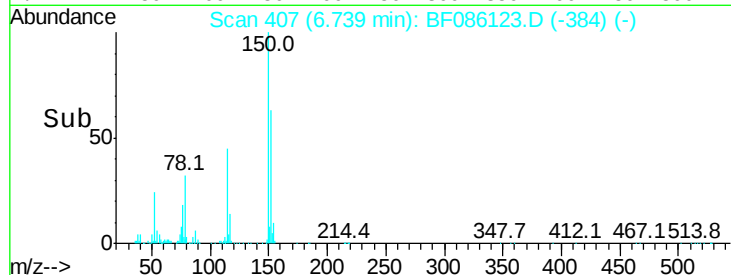
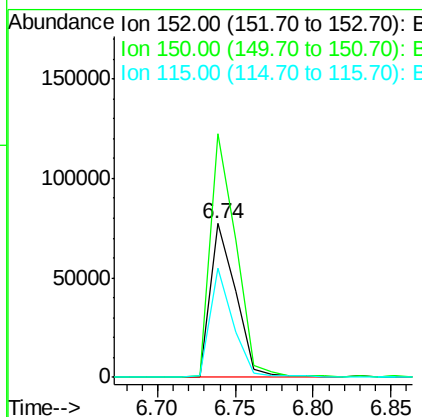
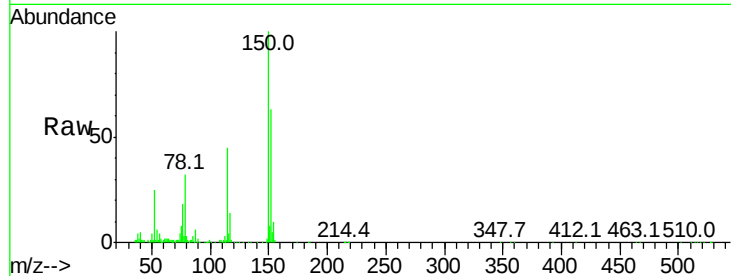
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.74 min Scan# 407
Delta R.T. -0.03 min
Lab File: BF086123.D
Acq: 7 Apr 2016 3:13

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

Manual Integrations
APPROVED

Sohil
4/7/2016 10:50:38 AM

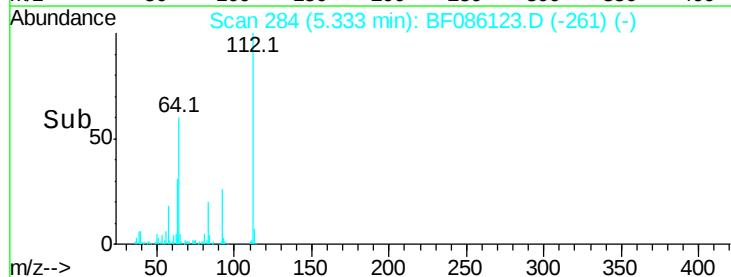
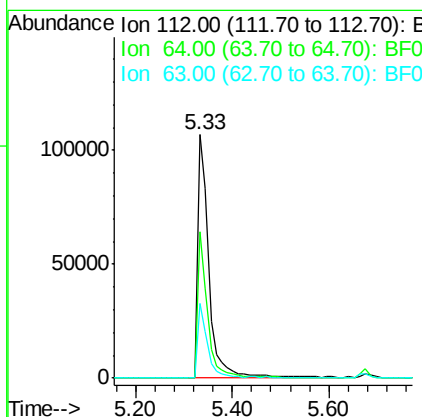
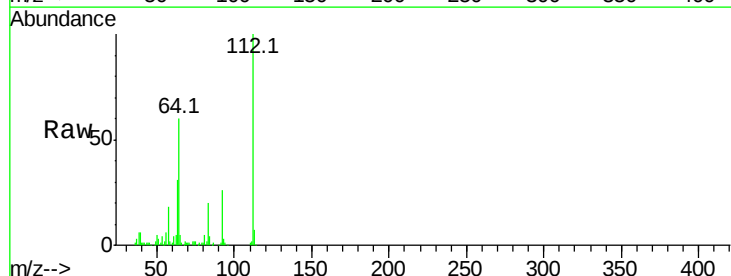
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.2	186.2
115	71.2	47.0	70.6



#5

2-Fluorophenol
Concen: 34.27 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.03 min
Lab File: BF086123.D
Acq: 7 Apr 2016 3:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	39.9	59.9
63	30.7	20.2	30.2





#7

Phenol-d6

Concen: 31.72 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086123.D

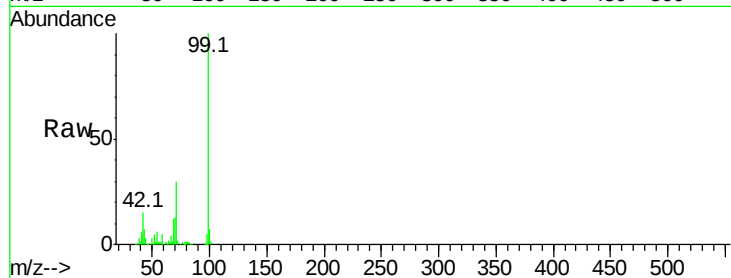
Acq: 7 Apr 2016 3:13

Instrument :

BNA_F

ClientSampleId :

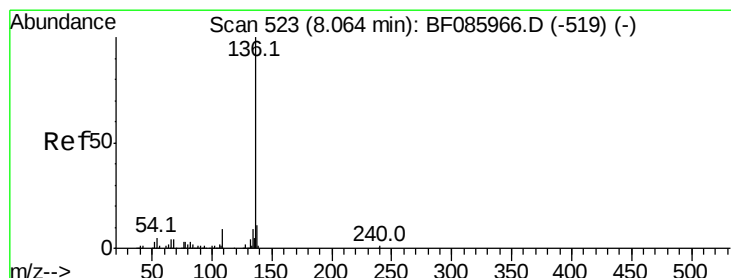
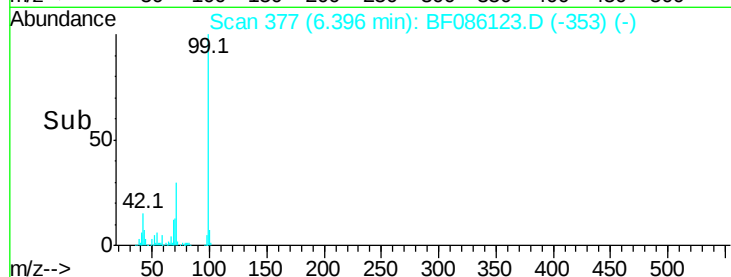
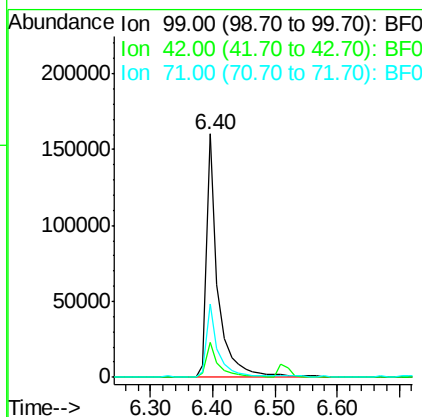
TEC-B1COMP



Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		207260		
42	14.5	11.1	16.7		
71	30.1	24.9	37.3		

Manual Integrations
APPROVED

Sohil
4/7/2016 10:50:38 AM



#21

Naphthalene-d8

Concen: 20.00 ng

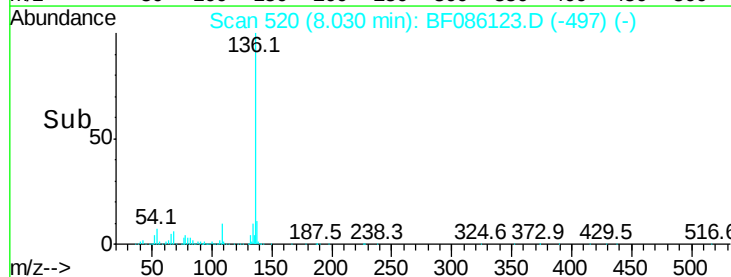
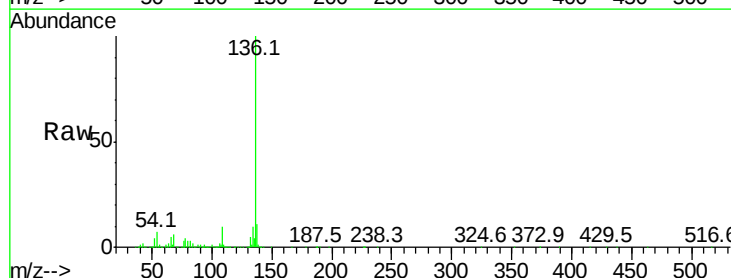
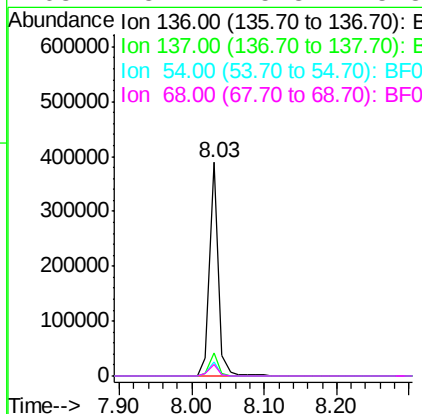
RT: 8.03 min Scan# 520

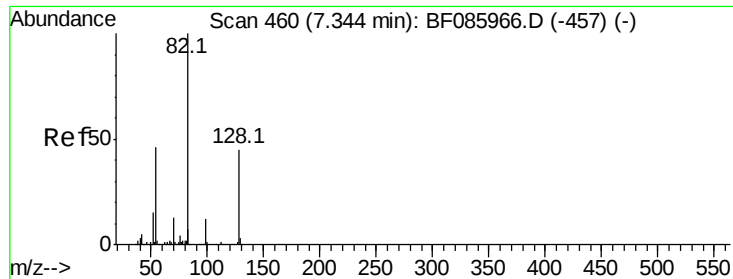
Delta R.T. -0.03 min

Lab File: BF086123.D

Acq: 7 Apr 2016 3:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		330034		
137	11.0	9.1	13.7		
54	6.7	7.4	11.0#		
68	5.7	5.8	8.8#		





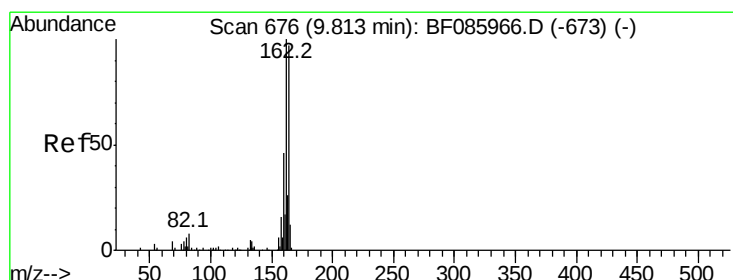
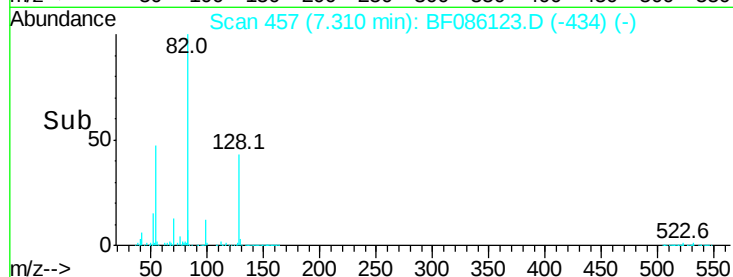
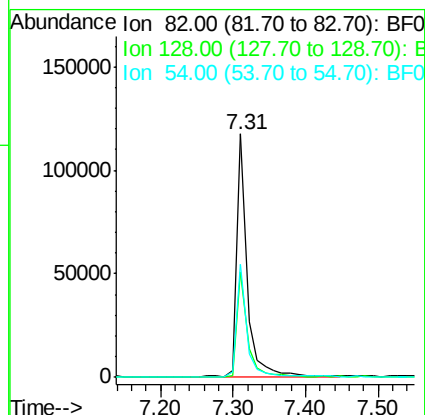
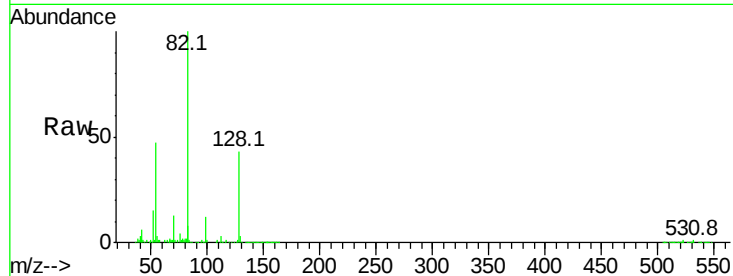
#23
Nitrobenzene-d5
Concen: 21.68 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF086123.D
Acq: 7 Apr 2016 3:13

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	41.8	62.8
54	46.5	33.4	50.0

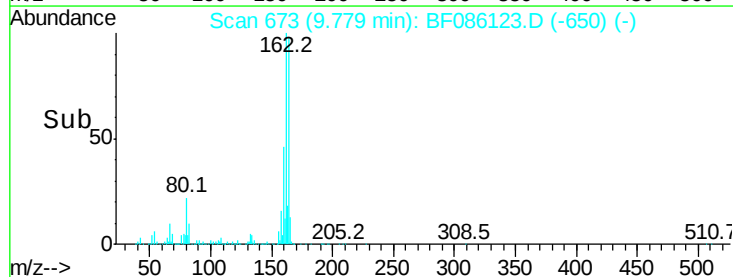
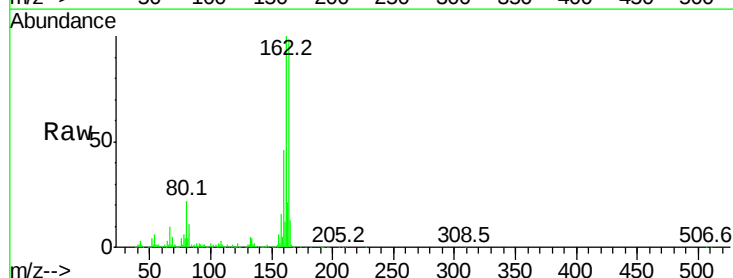
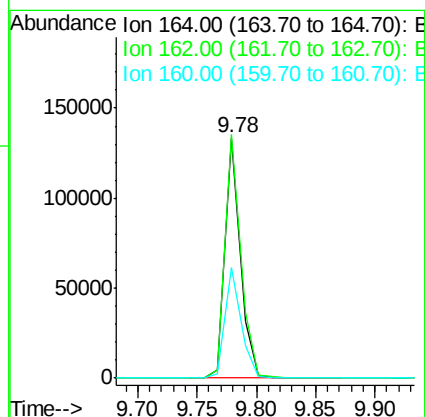
Manual Integrations
APPROVED

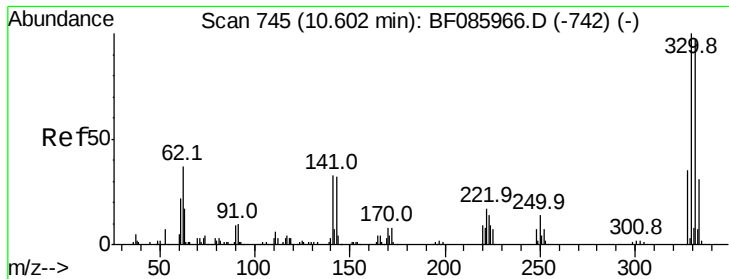
Sohil
4/7/2016 10:50:38 AM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.03 min
Lab File: BF086123.D
Acq: 7 Apr 2016 3:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.1	123.1
160	46.3	37.4	56.2





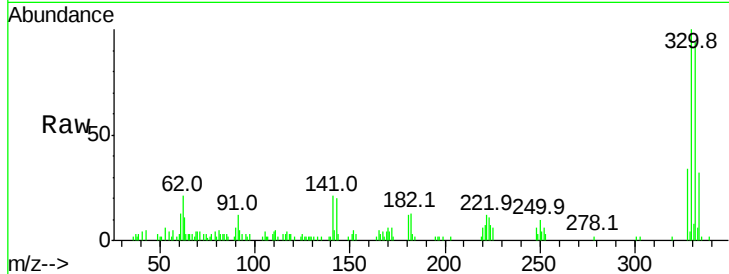
#41
 2,4,6-Tribromophenol
 Concen: 24.88 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.02 min
 Lab File: BF086123.D
 Acq: 7 Apr 2016 3:13

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1COMP

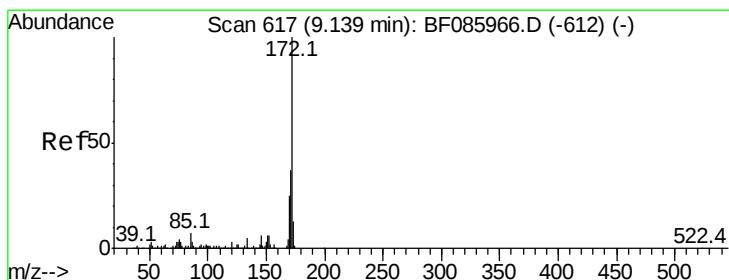
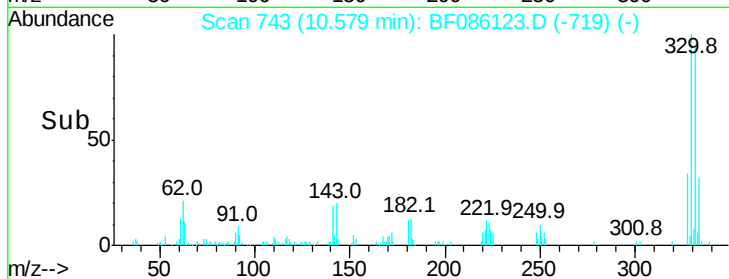
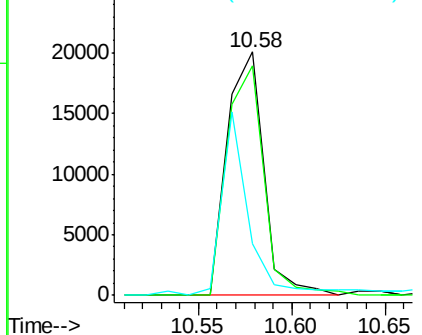
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	78.2	117.2
141	59.2	31.5	47.3

Manual Integrations
 APPROVED

Sohil
 4/7/2016 10:50:38 AM



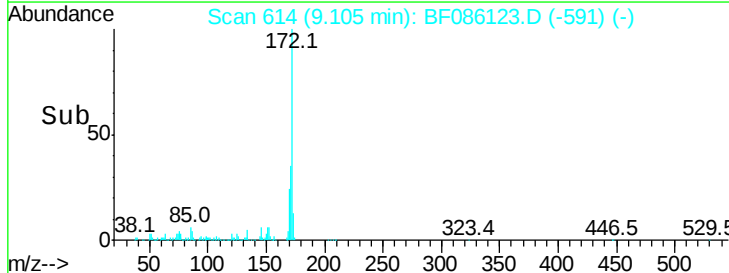
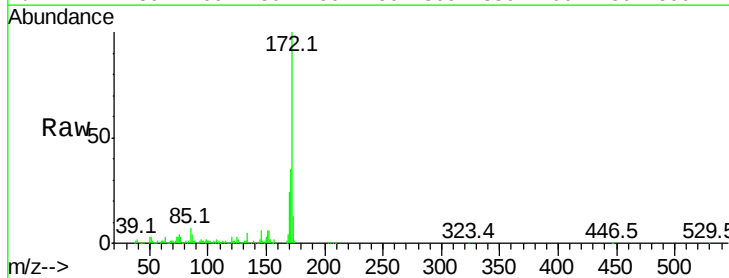
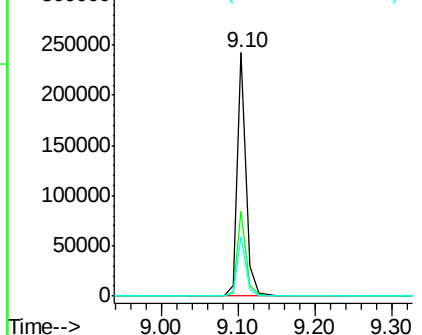
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

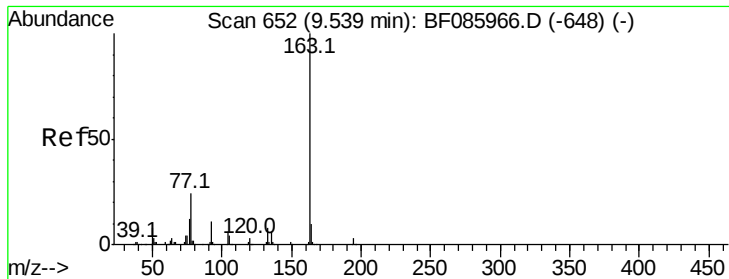


#44
 2-Fluorobiphenyl
 Concen: 28.13 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF086123.D
 Acq: 7 Apr 2016 3:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.4	44.2
170	24.1	19.8	29.6

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





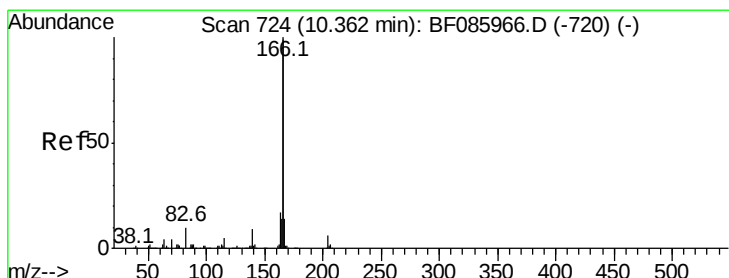
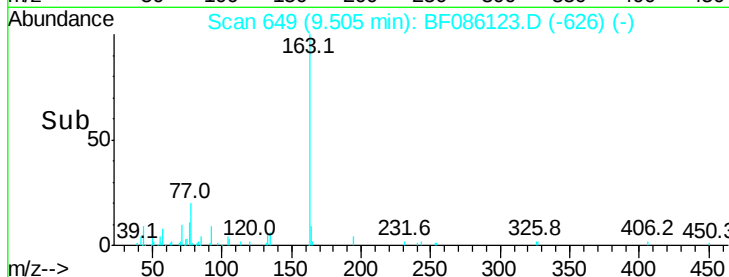
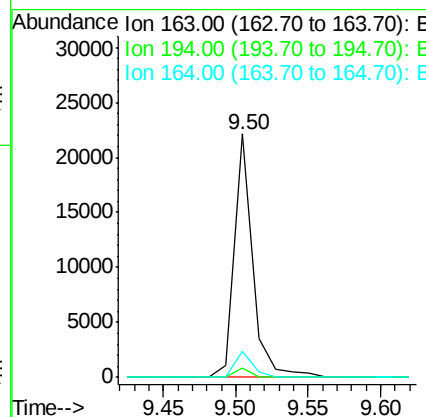
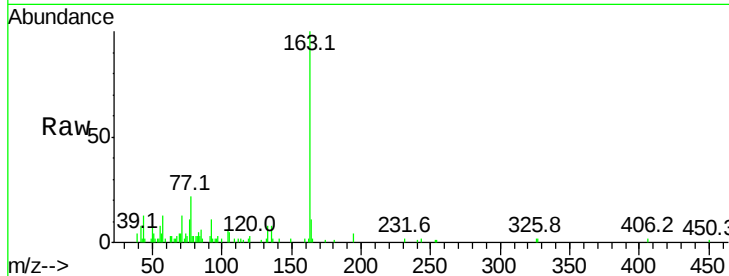
#49
Dimethylphthalate
Concen: 2.22 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.03 min
Lab File: BF086123.D
Acq: 7 Apr 2016 3:13

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.8	2.9	4.3	
164	10.6	8.3	12.5	

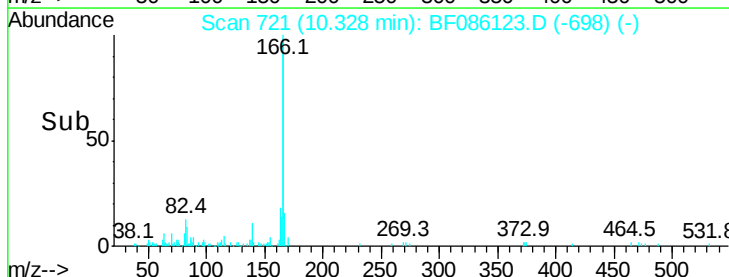
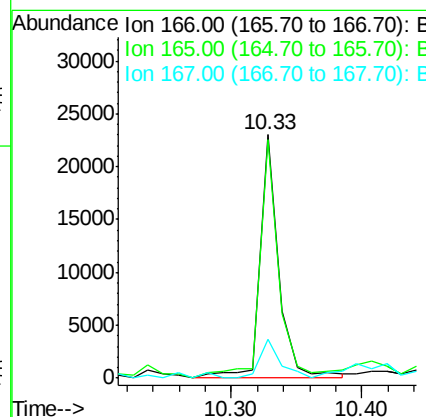
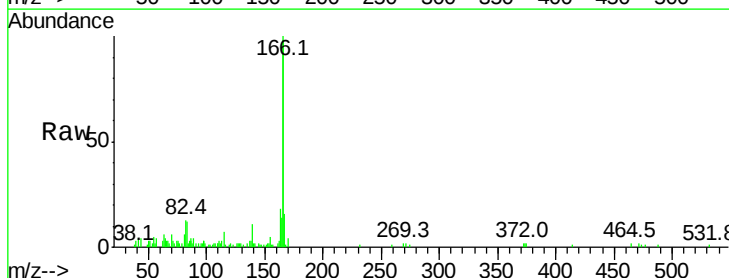
Manual Integrations
APPROVED

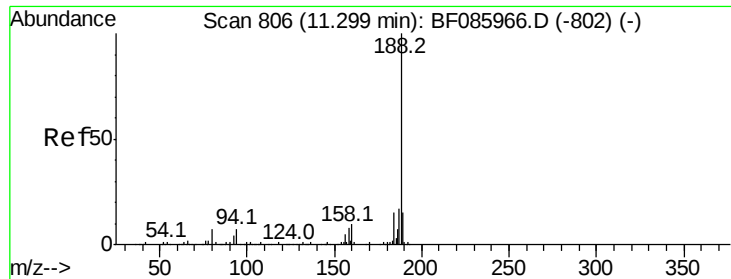
Sohil
4/7/2016 10:50:38 AM



#57
Fluorene
Concen: 2.92 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.03 min
Lab File: BF086123.D
Acq: 7 Apr 2016 3:13

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	98.2	79.4	119.0	
167	15.7	11.0	16.4	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.03 min

Lab File: BF086123.D

Acq: 7 Apr 2016 3:13

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMP

Tot Ion:188 Resp: 220978

Ion Ratio Lower Upper

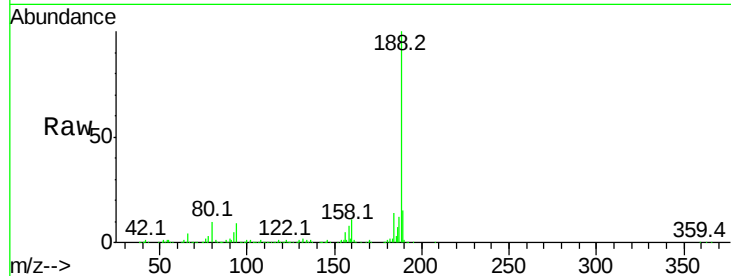
188 100

94 9.1 5.4 8.0#

80 9.8 5.5 8.3#

Manual Integrations
APPROVED

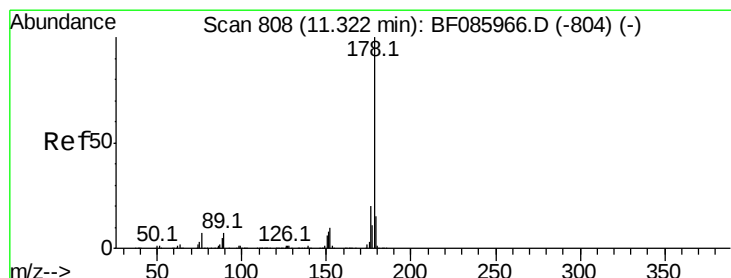
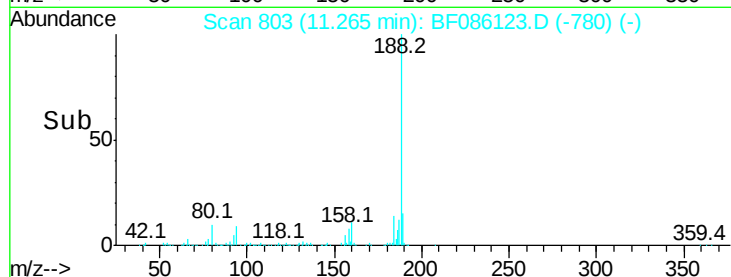
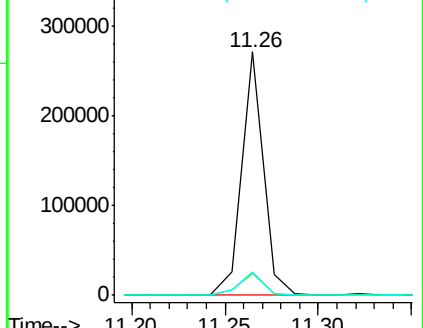
Sohil
4/7/2016 10:50:38 AM



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: 15.72 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF086123.D

Acq: 7 Apr 2016 3:13

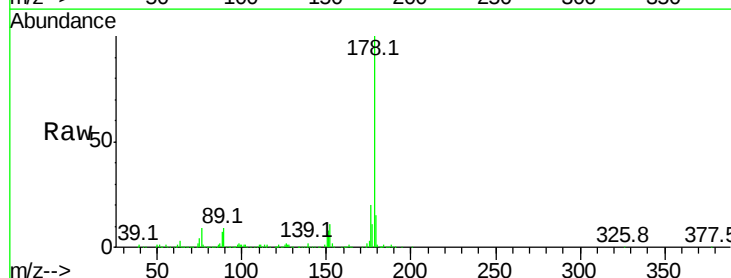
Tgt Ion:178 Resp: 189525

Ion Ratio Lower Upper

178 100

176 20.0 16.3 24.5

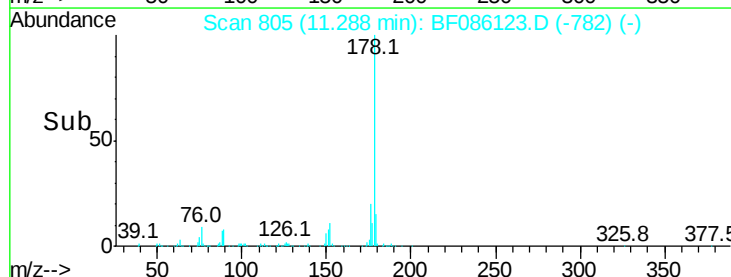
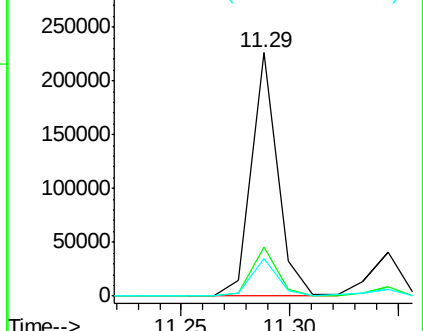
179 15.5 12.6 18.8

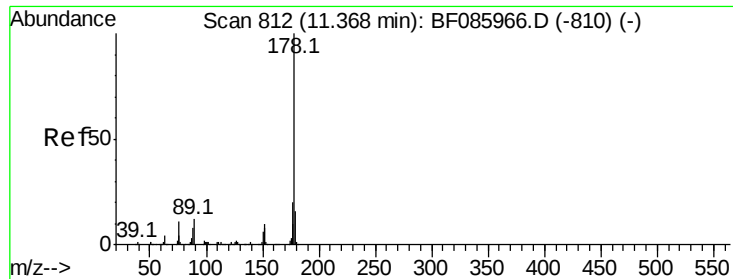


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





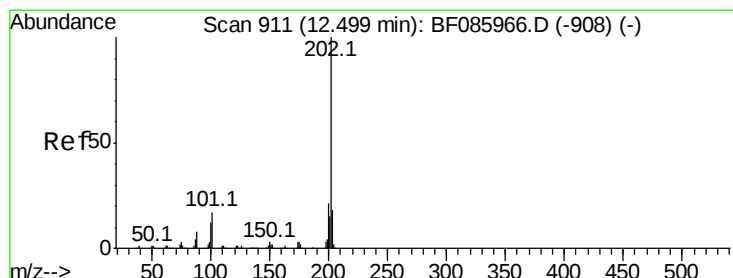
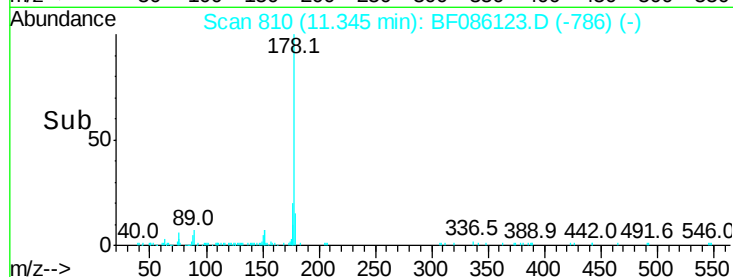
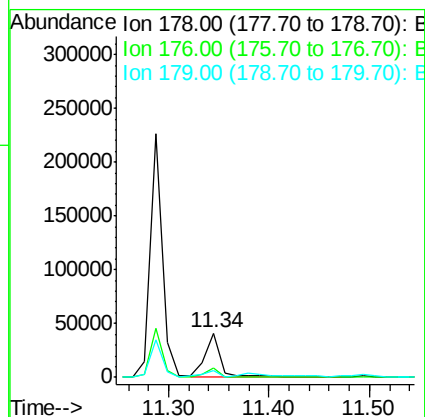
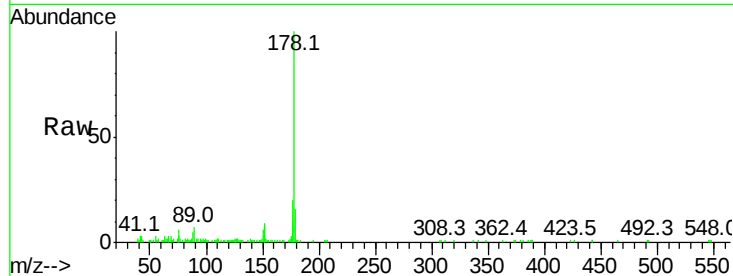
#71
 Anthracene
 Concen: 3.41 ng
 RT: 11.34 min Scan# 810
 Delta R.T. -0.02 min
 Lab File: BF086123.D
 Acq: 7 Apr 2016 3:13

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	15.7	13.0	19.4

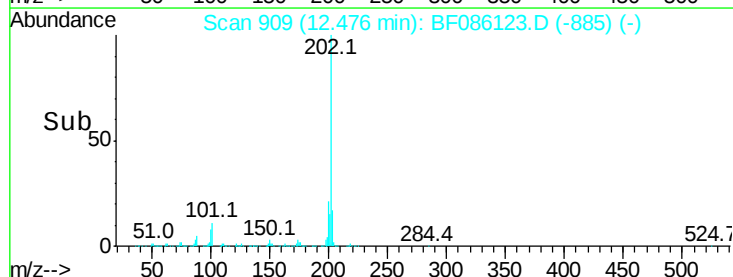
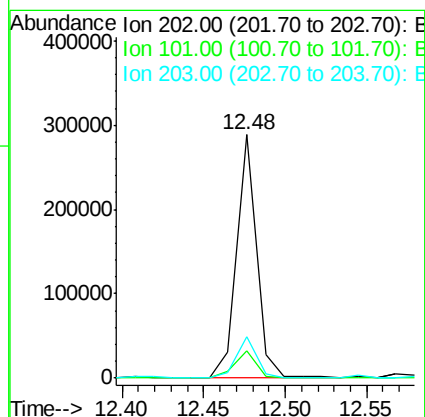
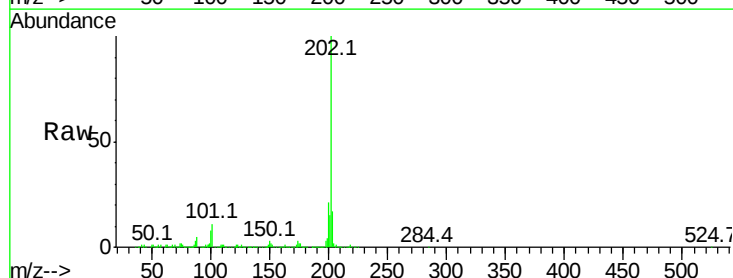
Manual Integrations
 APPROVED

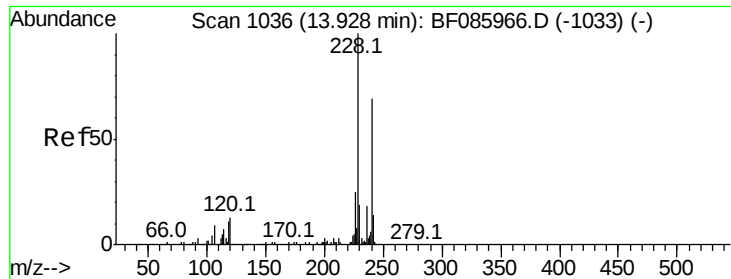
Sohil
 4/7/2016 10:50:38 AM



#74
 Fluoranthene
 Concen: 19.11 ng
 RT: 12.48 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: BF086123.D
 Acq: 7 Apr 2016 3:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	36.6
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF086123.D

Acq: 7 Apr 2016 3:13

Instrument :

BNA_F

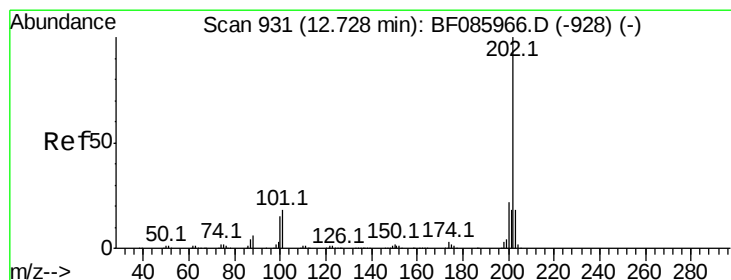
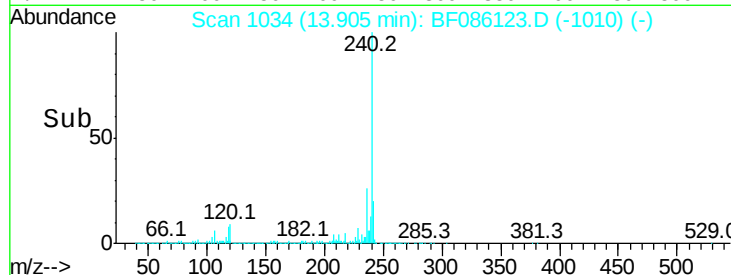
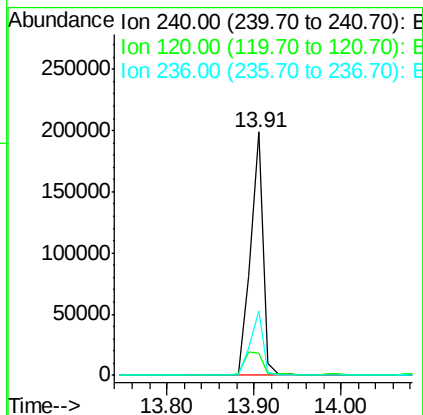
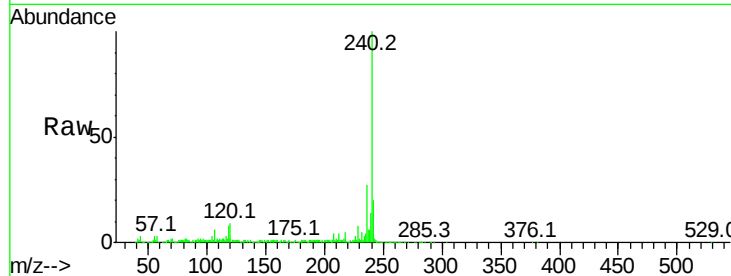
ClientSampleId :

TEC-B1COMP

Tot Ion:	240	Resp:	204056
Ion Ratio	Lower	Upper	
240	100		
120	9.3	13.8	20.8#
236	26.7	20.6	30.8

Manual Integrations
APPROVED

Sohil
4/7/2016 10:50:38 AM



#77

Pyrene

Concen: 15.40 ng

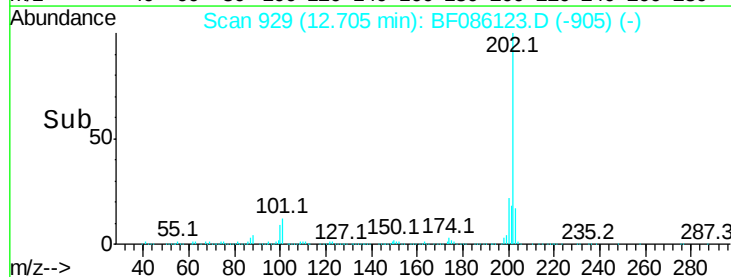
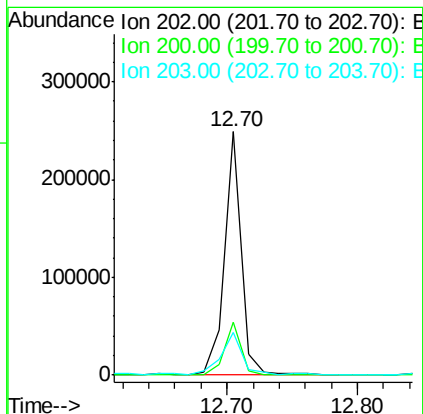
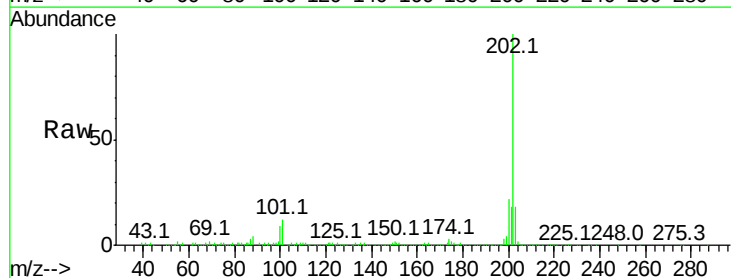
RT: 12.70 min Scan# 929

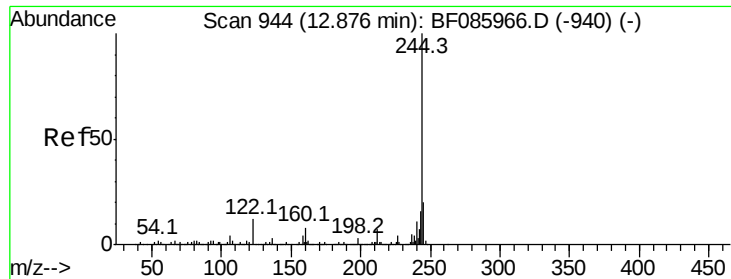
Delta R.T. -0.02 min

Lab File: BF086123.D

Acq: 7 Apr 2016 3:13

Tgt Ion:	202	Resp:	221388
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.6	26.4
203	17.6	14.0	21.0





#78

Terphenyl-d14

Concen: 18.25 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086123.D

Acq: 7 Apr 2016 3:13

Instrument :

BNA_F

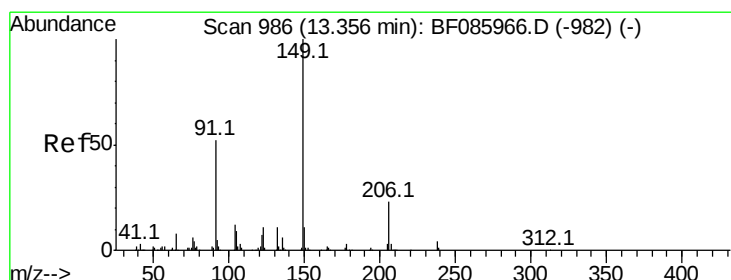
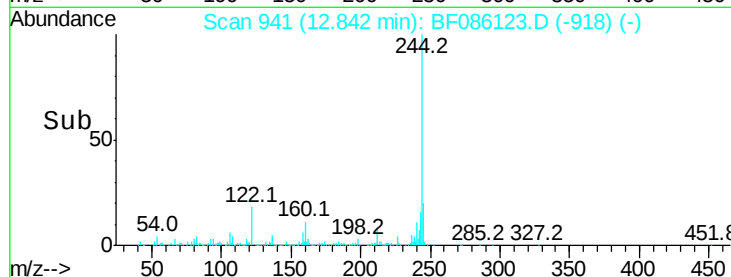
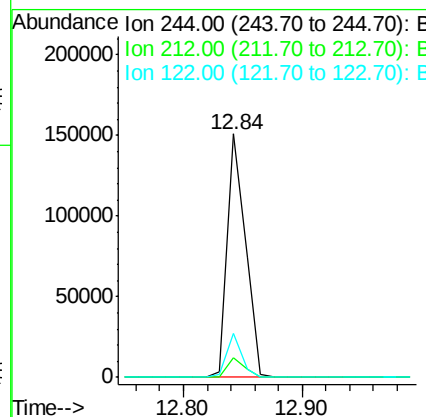
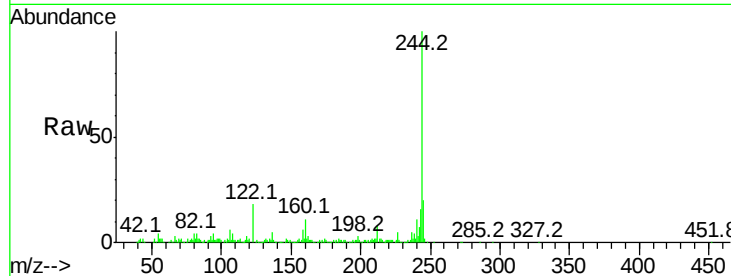
ClientSampleId :

TEC-B1COMP

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.9	6.1	9.1	
122	18.1	10.2	15.4	

Manual Integrations
APPROVED

Sohil
4/7/2016 10:50:38 AM



#79

Butylbenzylphthalate

Concen: 13.00 ng

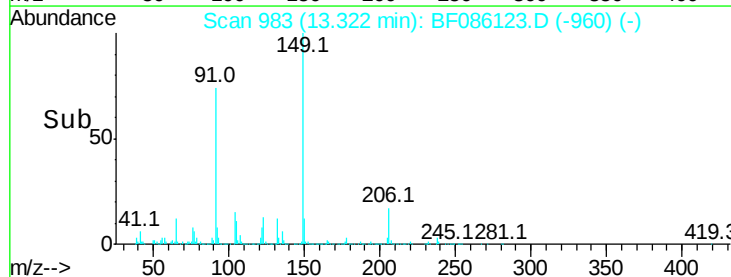
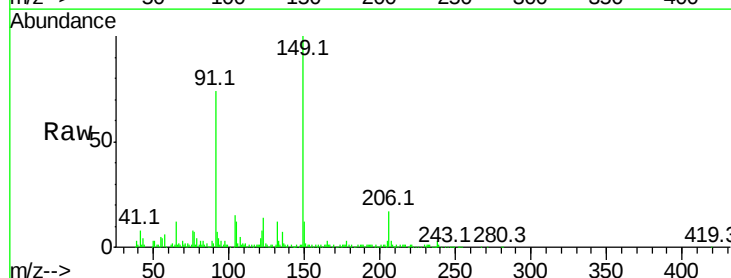
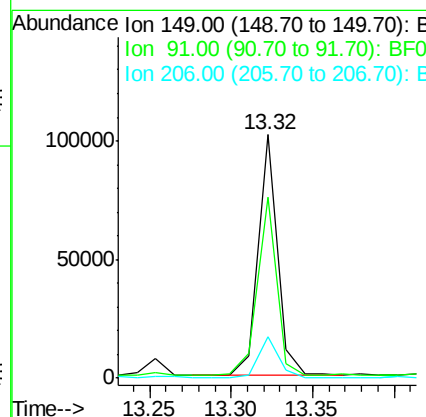
RT: 13.32 min Scan# 983

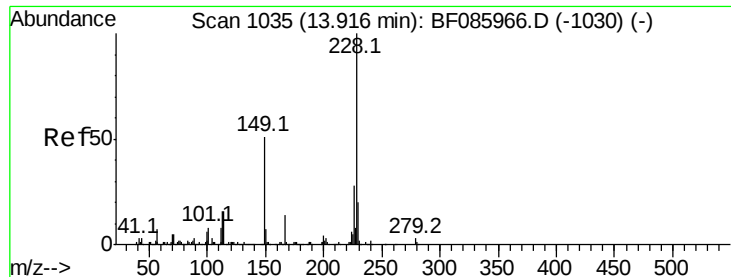
Delta R.T. -0.03 min

Lab File: BF086123.D

Acq: 7 Apr 2016 3:13

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
91	74.1	45.8	68.8	
206	16.8	17.8	26.8	





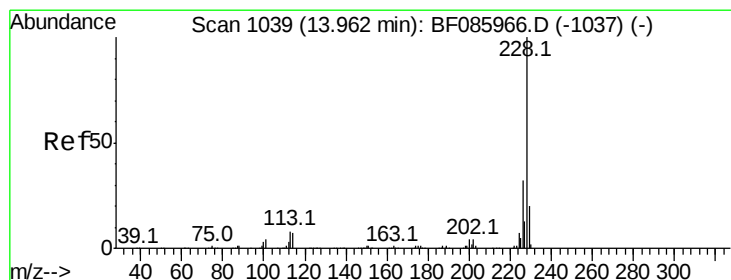
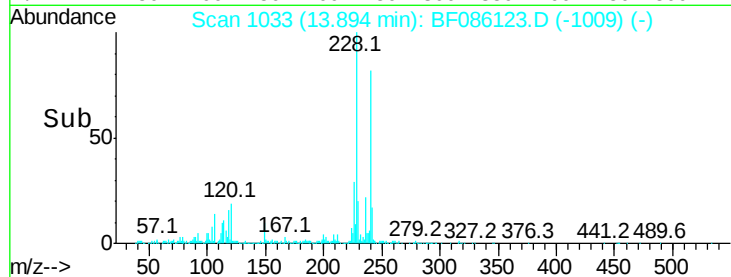
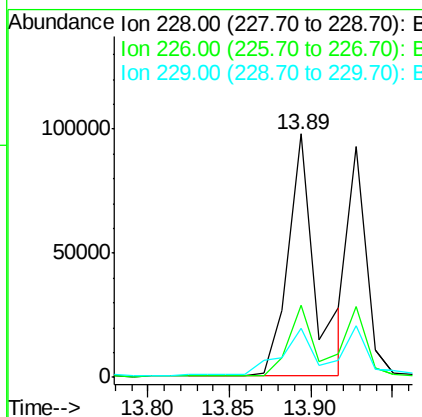
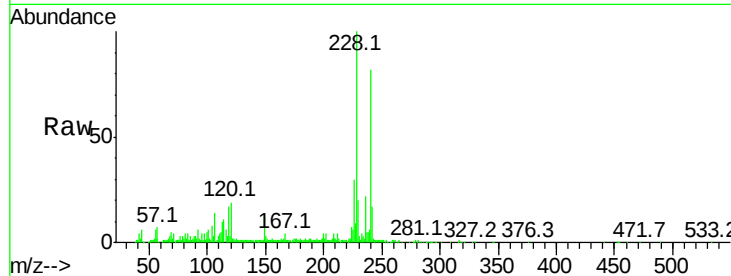
#80
Benzo(a)anthracene
Concen: 9.58 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF086123.D
Acq: 7 Apr 2016 3:13

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.1	33.1
229	20.4	16.2	24.4

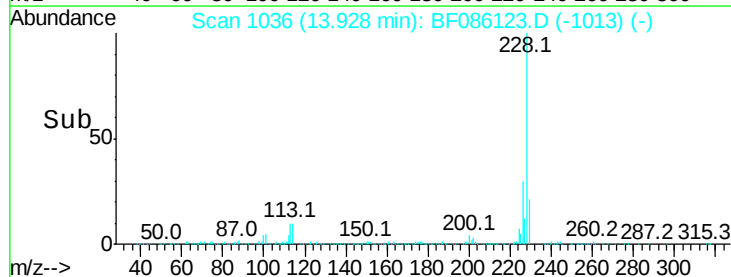
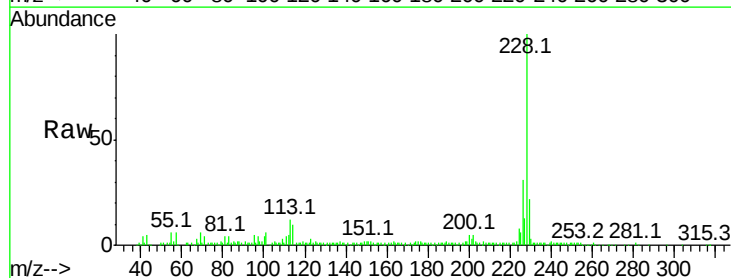
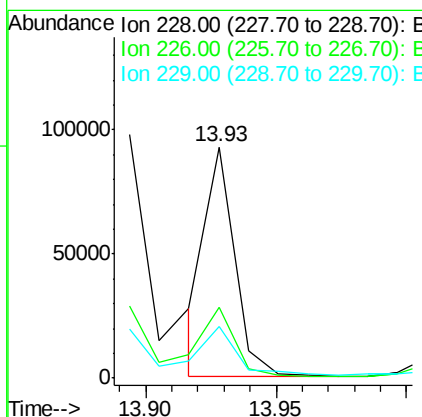
Manual Integrations
APPROVED

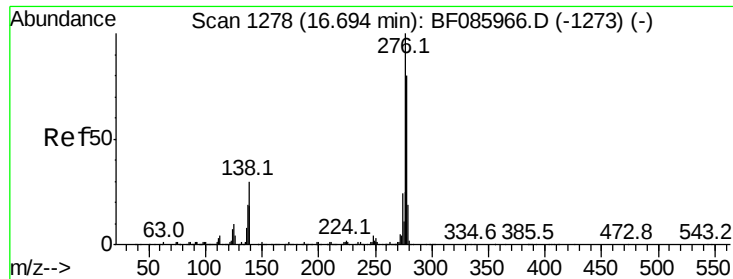
Sohil
4/7/2016 10:50:38 AM



#82
Chrysene
Concen: 6.23 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BF086123.D
Acq: 7 Apr 2016 3:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.2	15.7	23.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.06 ng

RT: 16.65 min Scan# 1274

Delta R.T. -0.05 min

Lab File: BF086123.D

Acq: 7 Apr 2016 3:13

Instrument :

BNA_F

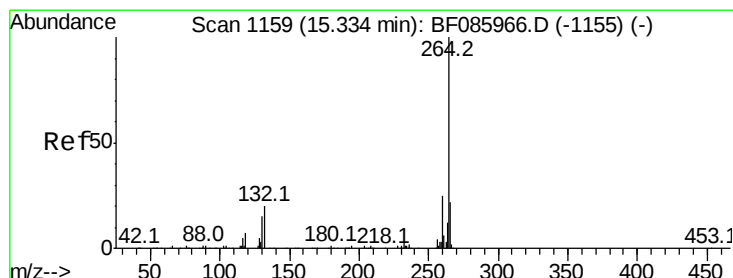
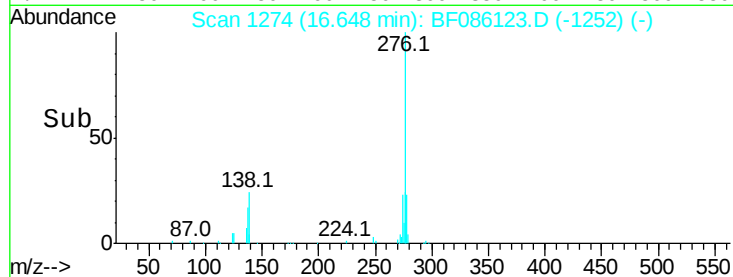
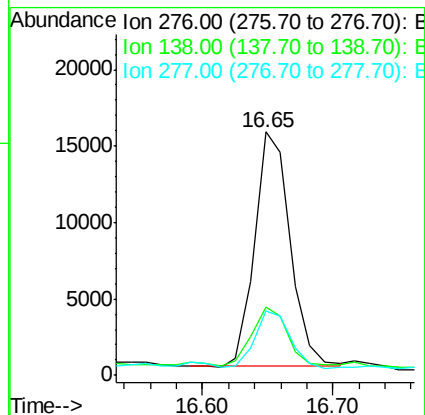
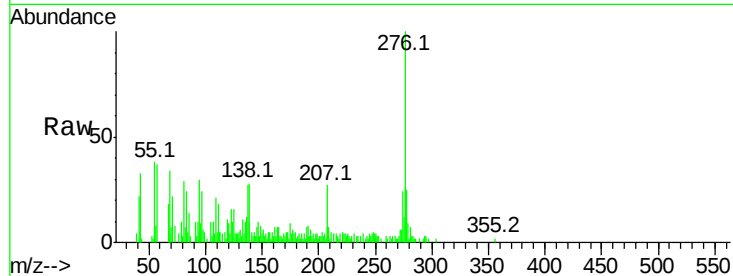
ClientSampleId :

TEC-B1COMP

Tot Ion:	276	Resp:	28732
Ion Ratio	Lower	Upper	
276	100		
138	24.4	24.2	36.4
277	23.9	20.0	30.0

Manual Integrations
APPROVED

Sohil
4/7/2016 10:50:38 AM



#86

Perylene-d12

Concen: 20.00 ng

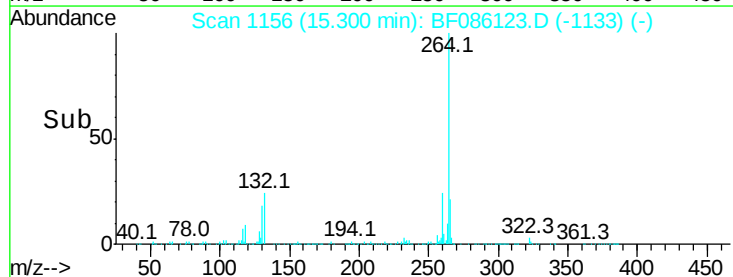
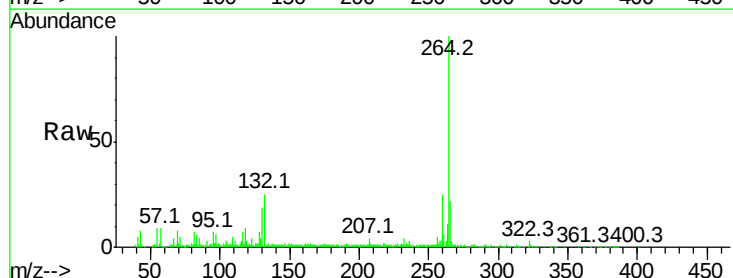
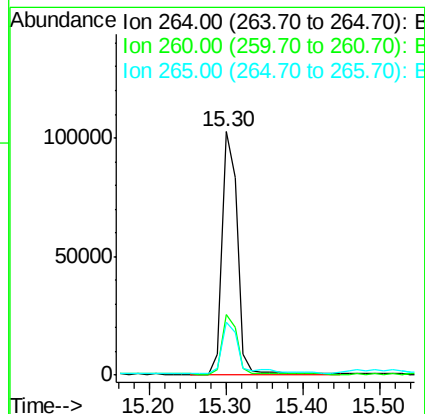
RT: 15.30 min Scan# 1156

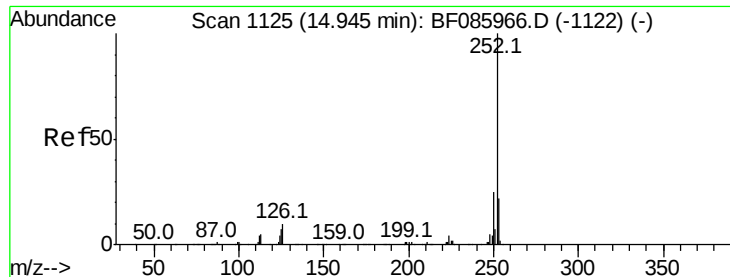
Delta R.T. -0.03 min

Lab File: BF086123.D

Acq: 7 Apr 2016 3:13

Tgt Ion:	264	Resp:	143318
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.4	29.2
265	21.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 9.18 ng m

RT: 14.91 min Scan# 1122

Delta R.T. -0.03 min

Lab File: BF086123.D

Acq: 7 Apr 2016 3:13

Instrument :

BNA_F

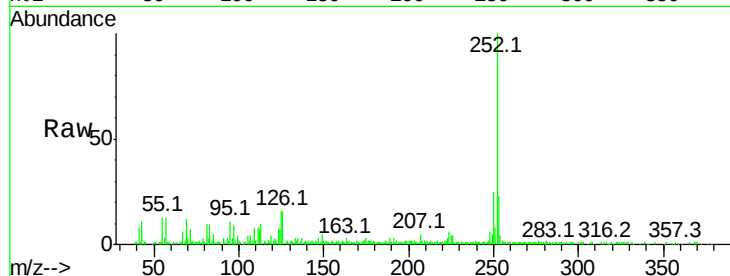
ClientSampleId :

TEC-B1COMP

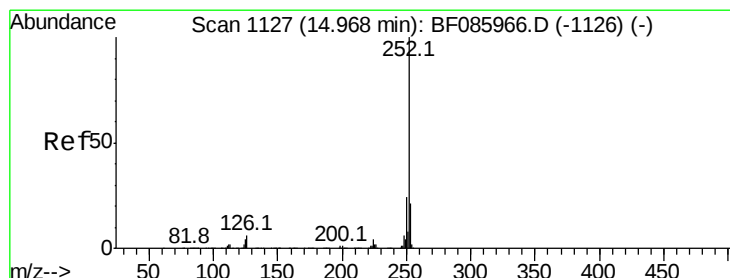
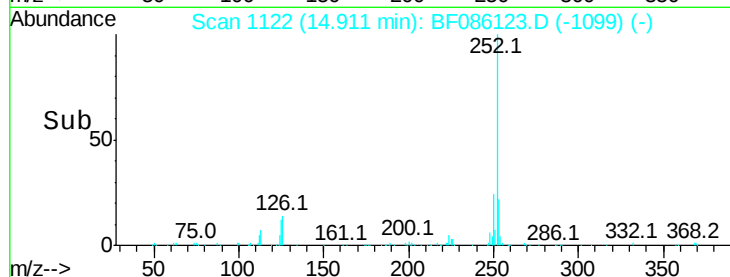
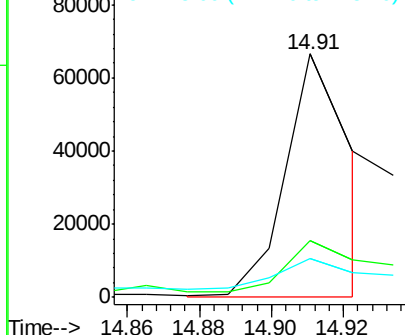
Tot Ion:	252	Resp:	82723
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.6	26.4
125	15.9	10.3	15.5#

Manual Integrations
APPROVED

Sohil
4/7/2016 10:50:38 AM



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



#88

Benzo(k)fluoranthene

Concen: 4.35 ng m

RT: 14.92 min Scan# 1123

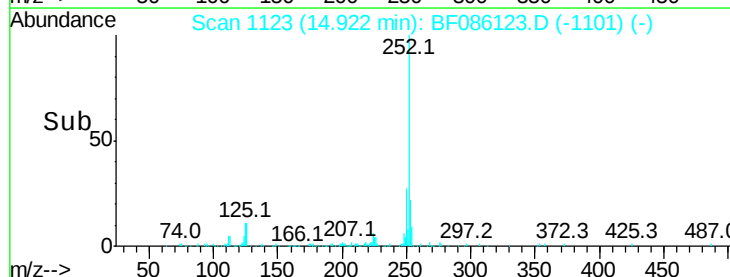
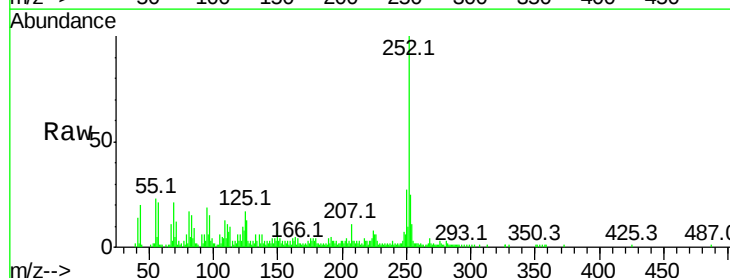
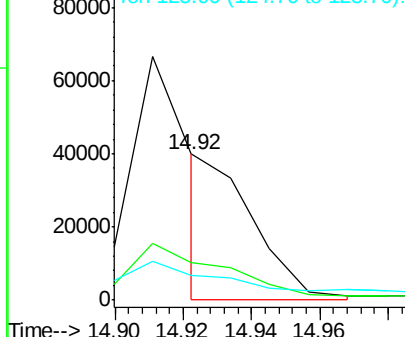
Delta R.T. -0.05 min

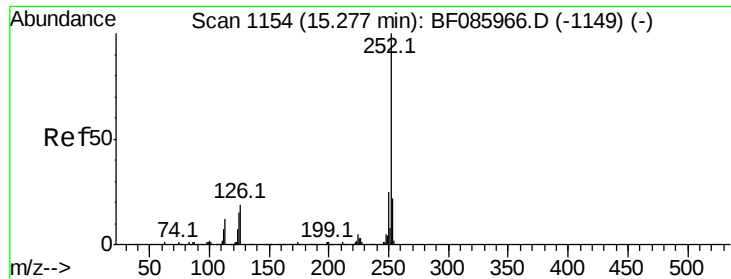
Lab File: BF086123.D

Acq: 7 Apr 2016 3:13

Tgt Ion:	252	Resp:	34720
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.8	26.6
125	16.9	7.7	11.5#

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





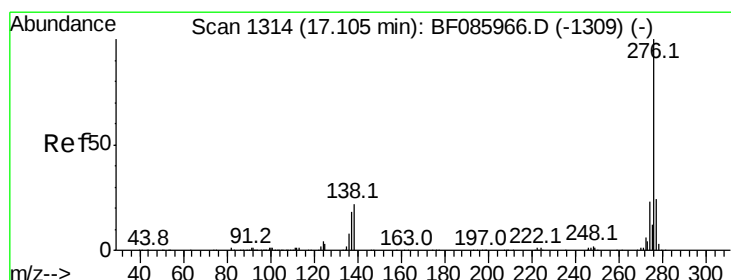
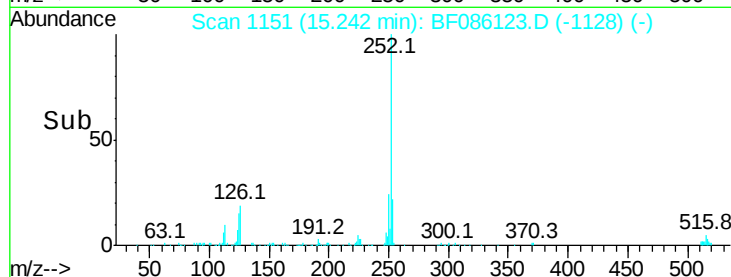
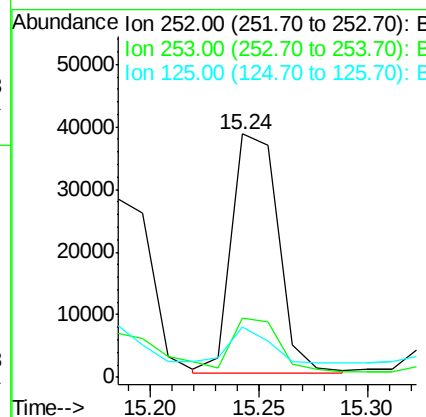
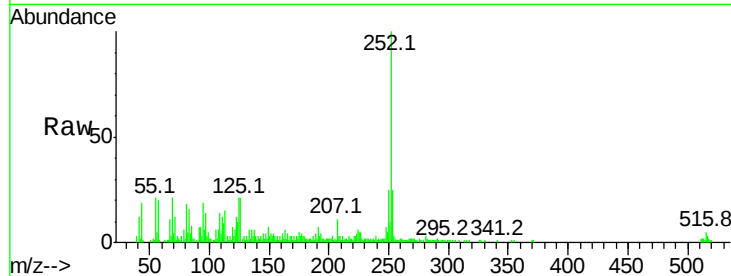
#89
Benzo(a)pyrene
Concen: 7.15 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF086123.D
Acq: 7 Apr 2016 3:13

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.4	26.0
125	20.7	10.3	15.5

Manual Integrations
APPROVED

Sohil
4/7/2016 10:50:38 AM



#91
Benzo(g,h,i)perylene
Concen: 4.72 ng
RT: 17.06 min Scan# 1310
Delta R.T. -0.05 min
Lab File: BF086123.D
Acq: 7 Apr 2016 3:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	18.8	28.2
138	29.1	22.6	34.0

