

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
 Data File : BF086042.D
 Acq On : 4 Apr 2016 17:07
 Operator : UM/SJ
 Sample : H2180-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401

Manual Integrations
 APPROVED

Sohil
 4/5/2016 6:39:03 PM

Quant Time: Apr 05 01:48:25 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	6.76	152	123009	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	462721	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	200118	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	346870	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	232946	20.00	ng	-0.01
86) Perylene-d12	15.32	264	212310	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	792176	110.08	ng	-0.01
7) Phenol-d6	6.41	99	910332	99.59	ng	-0.01
23) Nitrobenzene-d5	7.33	82	636001	81.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	228412	121.61	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	905028	75.19	ng	-0.01
78) Terphenyl-d14	12.86	244	609109	61.47	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.66	152	52245	2.61	ng	98
49) Dimethylphthalate	9.52	163	131216	8.85	ng	99
70) Phenanthrene	11.31	178	183678	9.71	ng	99
71) Anthracene	11.36	178	55470	2.80	ng	97
74) Fluoranthene	12.49	202	325021	16.51	ng	99
77) Pyrene	12.72	202	282081	17.18	ng	98
80) Benzo(a)anthracene	13.91	228	162731	11.85	ng	97
82) Chrysene	13.94	228	125316	9.47	ng	98
83) Bis(2-ethylhexyl)phthalate	13.89	149	19783	2.02	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.68	276	94281	8.79	ng	95
87) Benzo(b)fluoranthene	14.93	252	231637m	17.34	ng	
88) Benzo(k)fluoranthene	14.95	252	53174m	4.50	ng	
89) Benzo(a)pyrene	15.27	252	139288	11.77	ng	97
90) Dibenzo(a,h)anthracene	16.68	278	23027	2.42	ng	# 82
91) Benzo(a,h,i)perylene	17.08	276	89792	9.75	ng	99

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

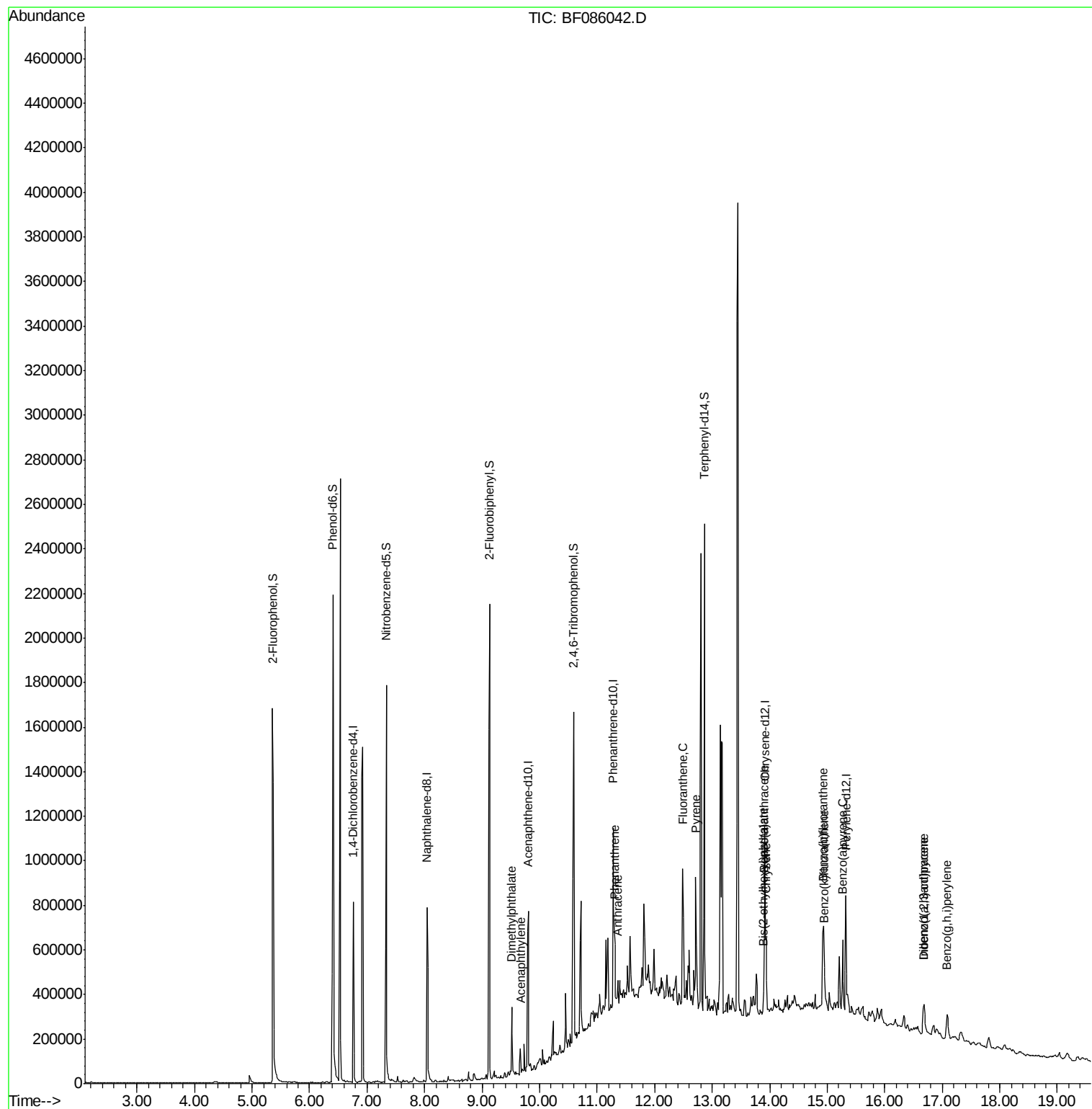
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
Data File : BF086042.D
Acq On : 4 Apr 2016 17:07
Operator : UM/SJ
Sample : H2180-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

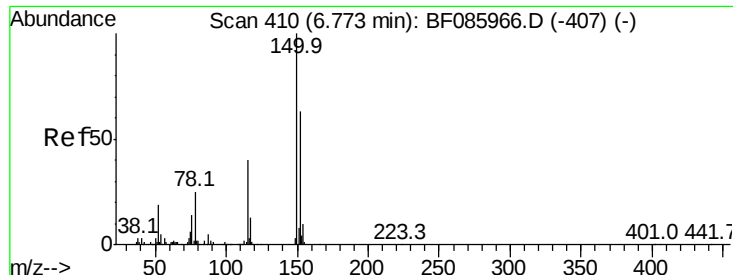
Instrument :
BNA_F
ClientSampleId :
TK2-1-20160401

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:03 PM

Quant Time: Apr 05 01:48:25 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

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA_F

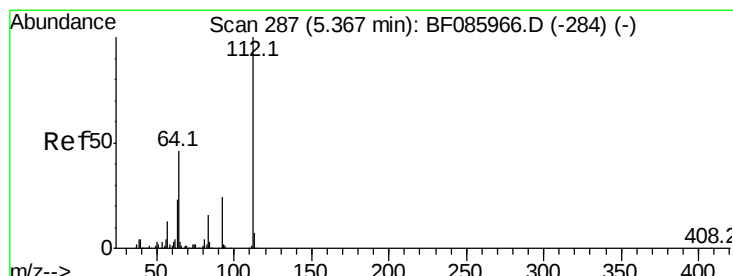
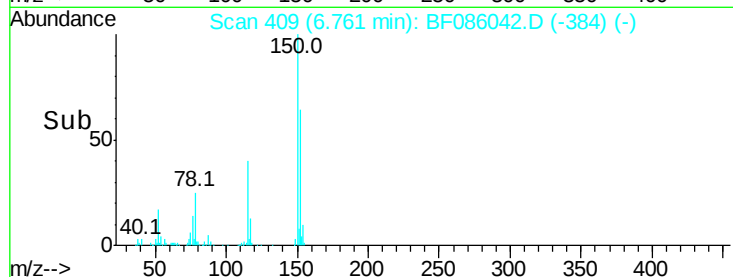
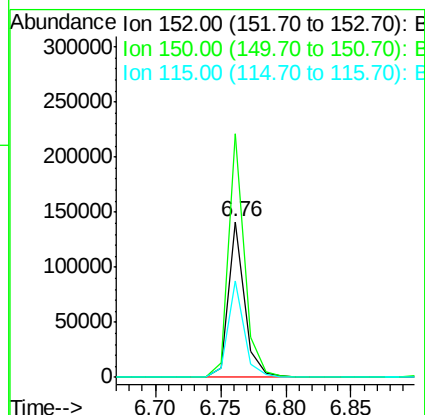
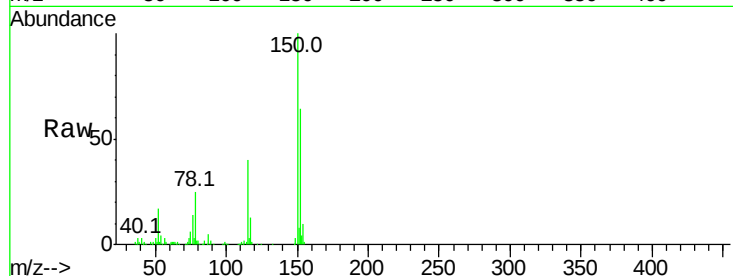
ClientSampleId :

TK2-1-20160401

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:03 PM

Tot Ion	152	Resp	123009
Ion Ratio	Lower	Upper	
152	100		
150	156.3	124.2	186.2
115	62.0	47.0	70.6



#5

2-Fluorophenol

Concen: 110.08 ng

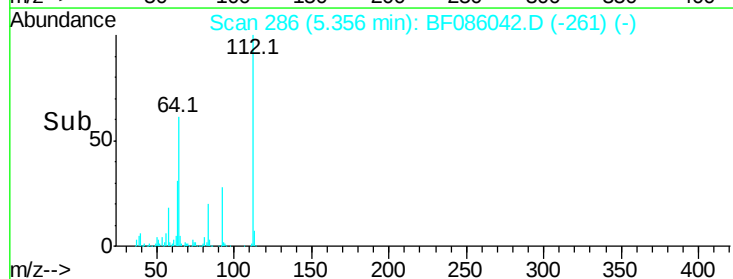
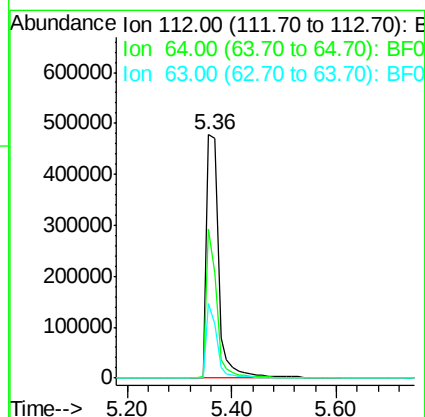
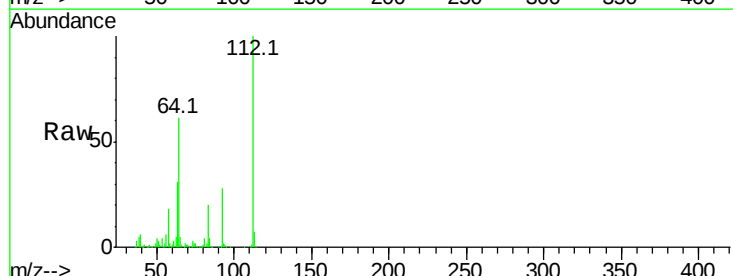
RT: 5.36 min Scan# 286

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Tgt Ion	112	Resp	792176
Ion Ratio	Lower	Upper	
112	100		
64	61.1	39.9	59.9#
63	30.7	20.2	30.2#





#7

Phenol-d6

Concen: 99.59 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA_F

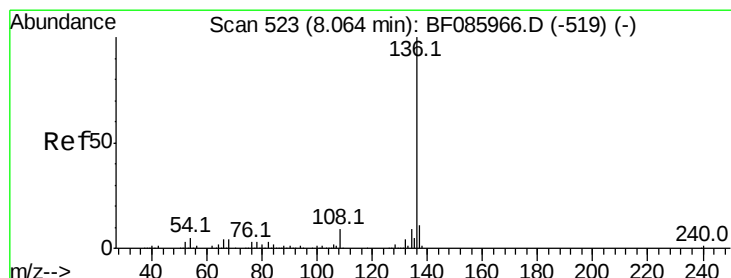
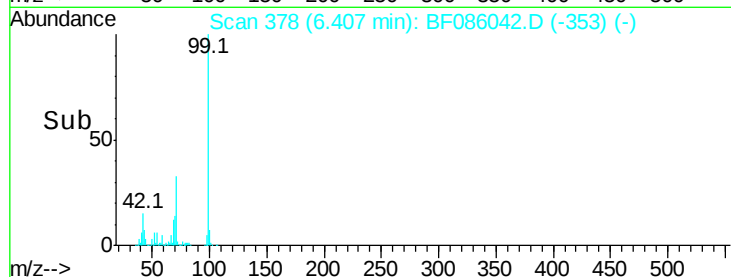
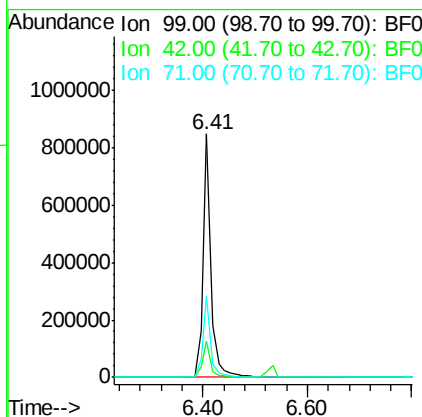
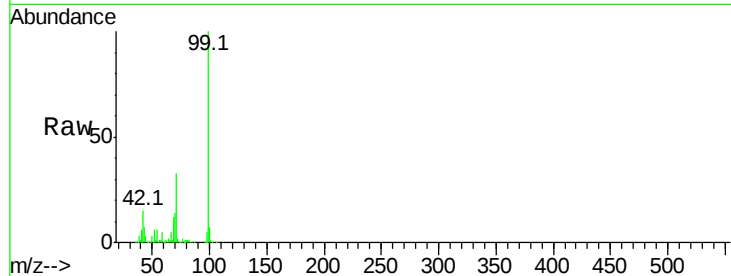
ClientSampleId :

TK2-1-20160401

Tot Ion:	99	Resp:	910332
Ion Ratio	Lower	Upper	
99	100		
42	15.1	11.1	16.7
71	33.0	24.9	37.3

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:03 PM



#21

Naphthalene-d8

Concen: 20.00 ng

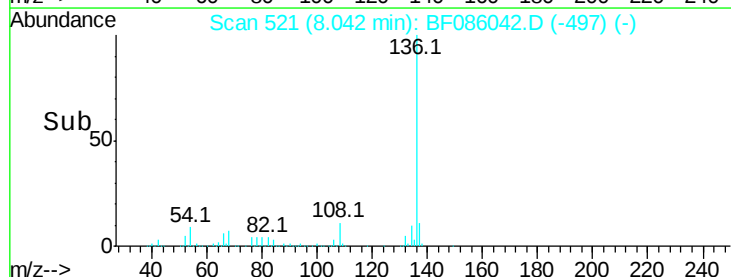
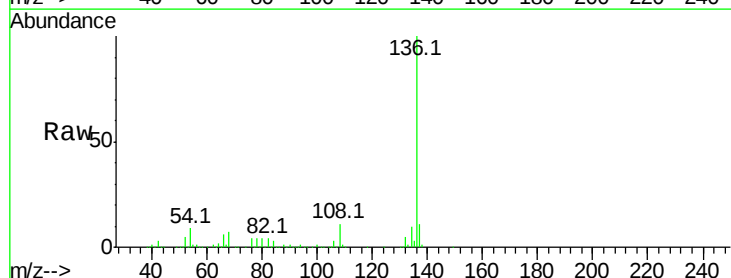
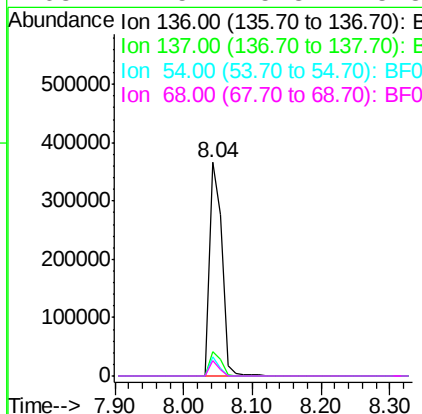
RT: 8.04 min Scan# 521

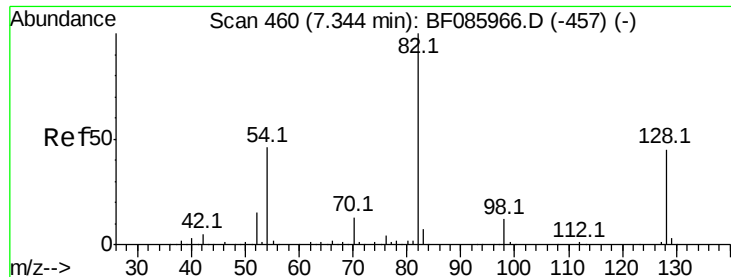
Delta R.T. -0.02 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Tgt Ion:	136	Resp:	462721
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.1	13.7
54	9.2	7.4	11.0
68	7.5	5.8	8.8





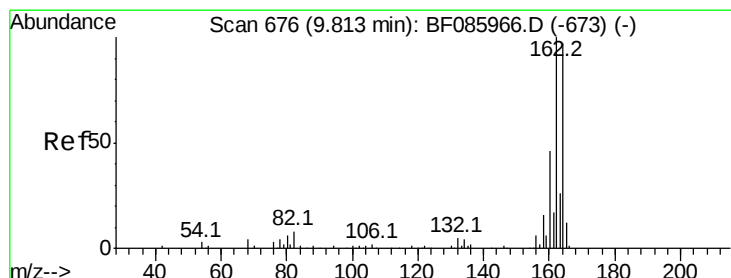
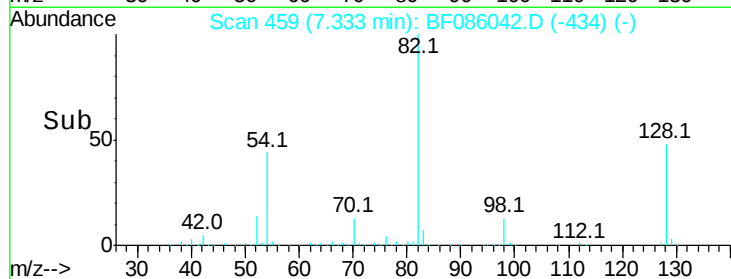
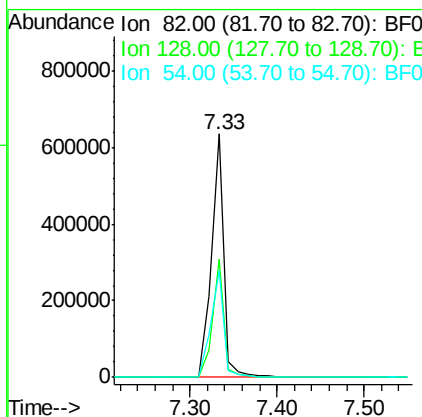
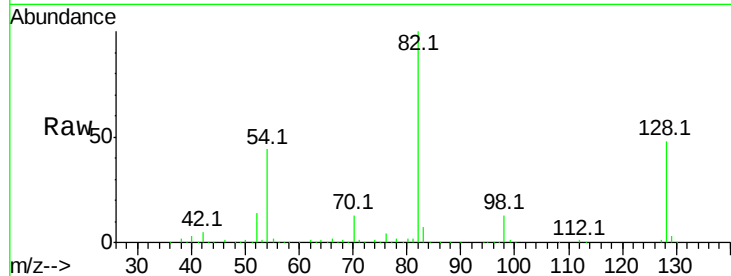
#23
 Nitrobenzene-d5
 Concen: 81.06 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF086042.D
 Acq: 4 Apr 2016 17:07

Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.4	41.8	62.8
54	43.7	33.4	50.0

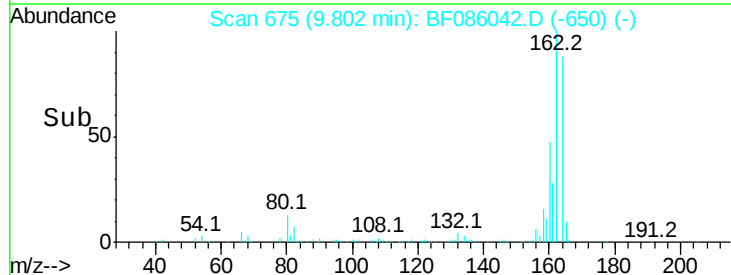
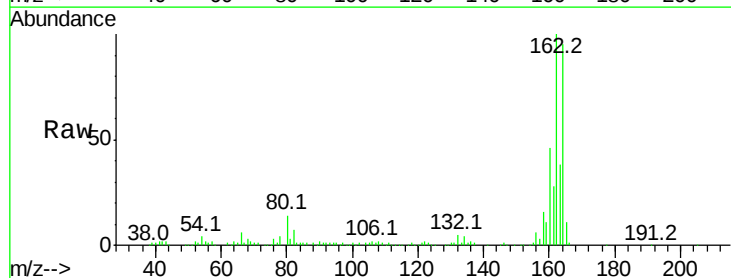
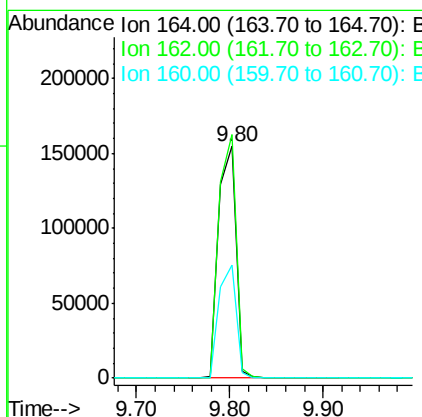
Manual Integrations
 APPROVED

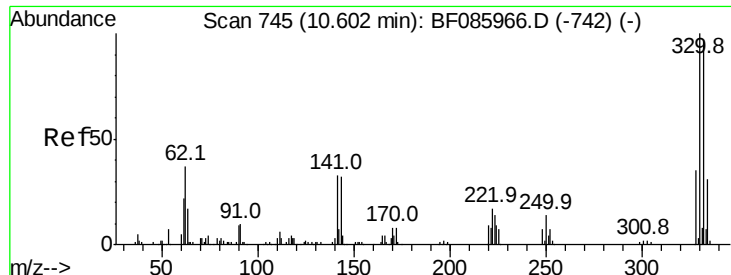
Sohil
 4/5/2016 6:39:03 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF086042.D
 Acq: 4 Apr 2016 17:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	82.1	123.1
160	48.8	37.4	56.2





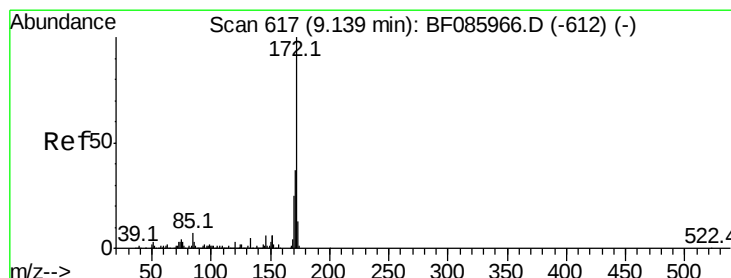
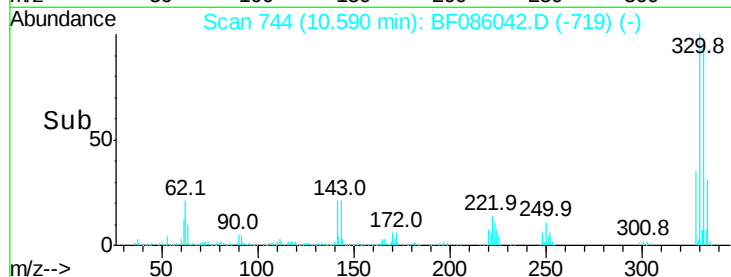
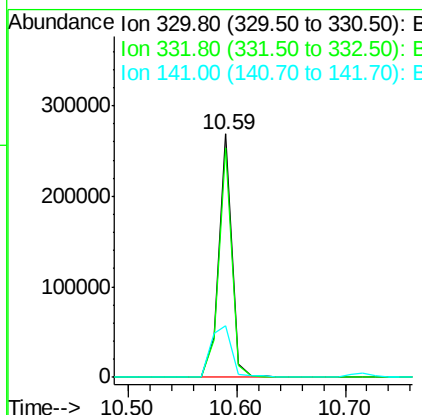
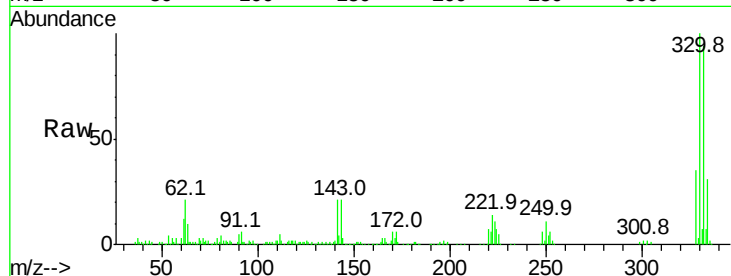
#41
 2,4,6-Tribromophenol
 Concen: 121.61 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF086042.D
 Acq: 4 Apr 2016 17:07

Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401

Tot Ion	Ratio	Resp	Lower	Upper
330	100	228412		
332	94.1	78.2	117.2	
141	33.0	31.5	47.3	

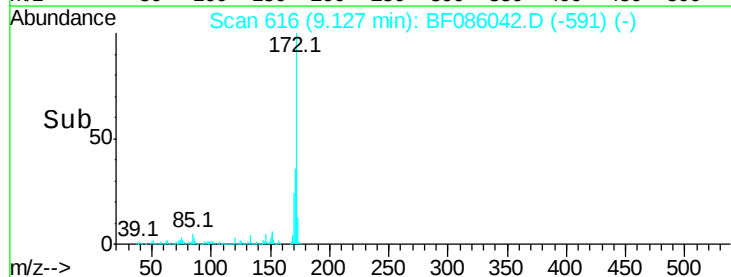
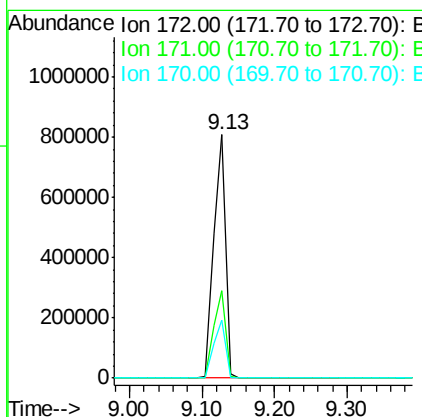
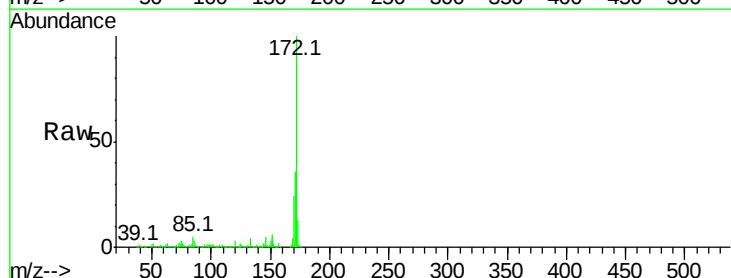
Manual Integrations
 APPROVED

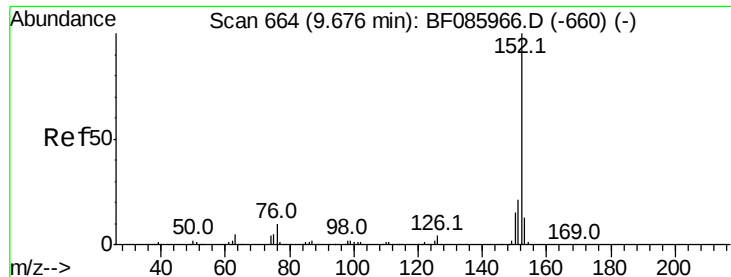
Sohil
 4/5/2016 6:39:03 PM



#44
 2-Fluorobiphenyl
 Concen: 75.19 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF086042.D
 Acq: 4 Apr 2016 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	905028		
171	35.8	29.4	44.2	
170	24.1	19.8	29.6	





#48

Acenaphthylene

Concen: 2.61 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA_F

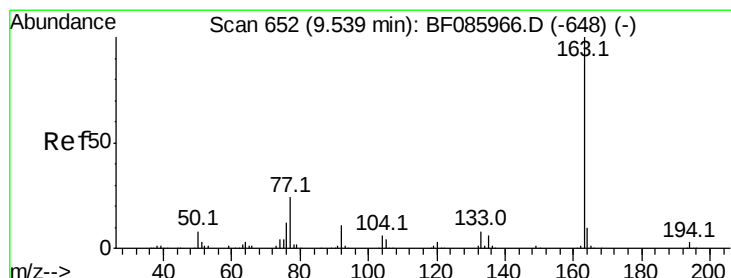
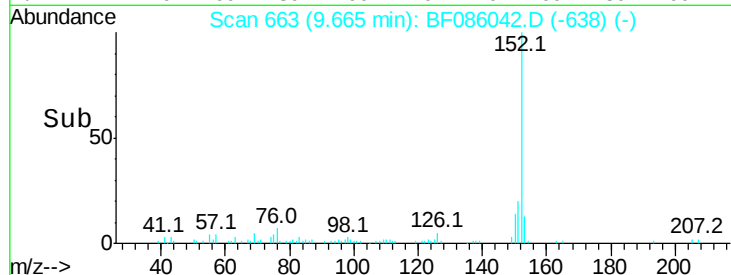
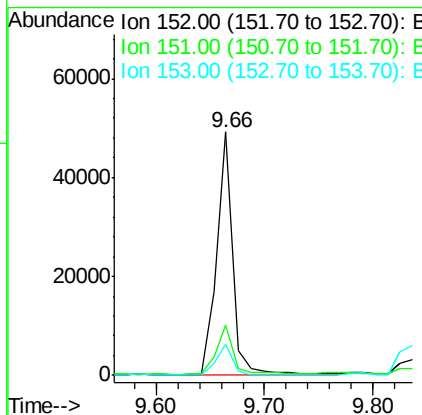
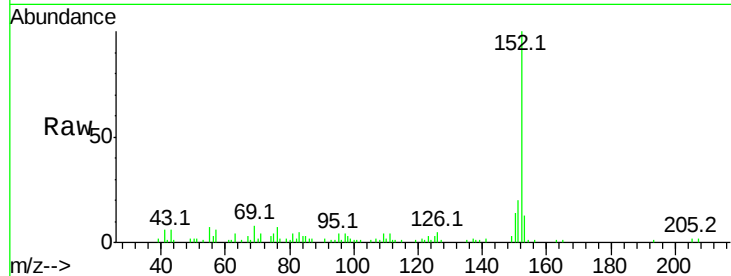
ClientSampleId :

TK2-1-20160401

Tot Ion:	152	Resp:	52245
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.8	25.2
153	12.6	10.9	16.3

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:03 PM



#49

Dimethylphthalate

Concen: 8.85 ng

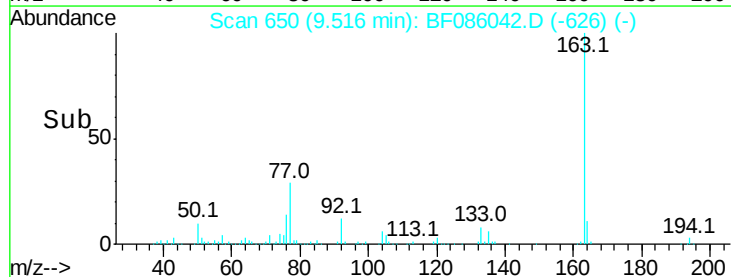
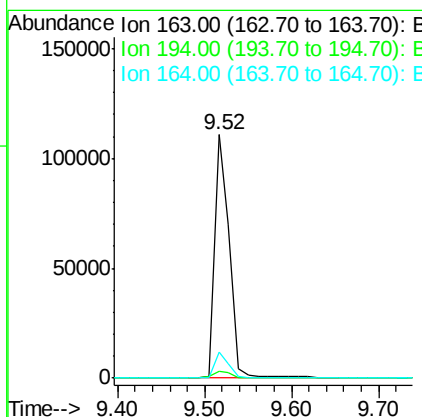
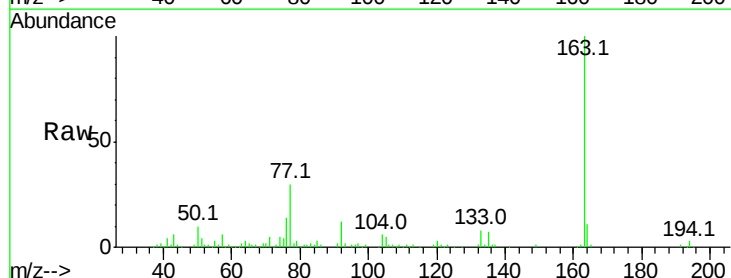
RT: 9.52 min Scan# 650

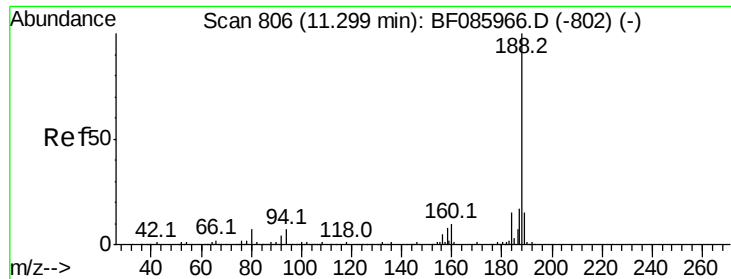
Delta R.T. -0.02 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Tgt Ion:	163	Resp:	131216
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.9	4.3
164	10.6	8.3	12.5





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.02 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401

Tot Ion:188 Resp: 346870

Ion Ratio Lower Upper

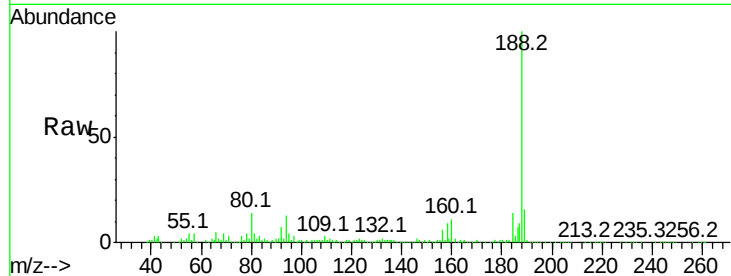
188 100

94 13.3 5.4 8.0#

80 14.2 5.5 8.3#

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:03 PM

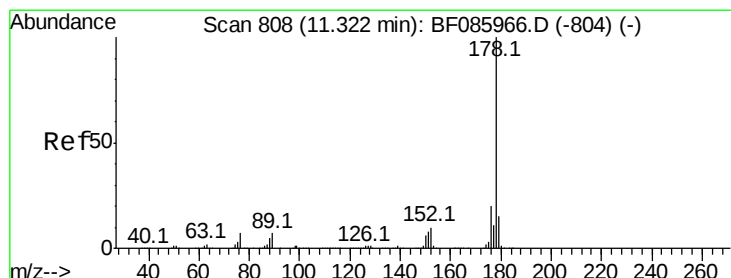
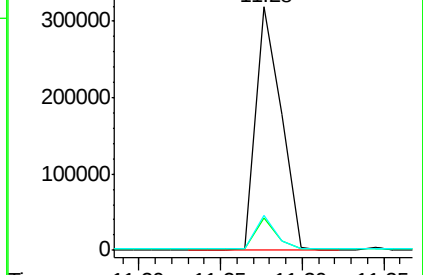
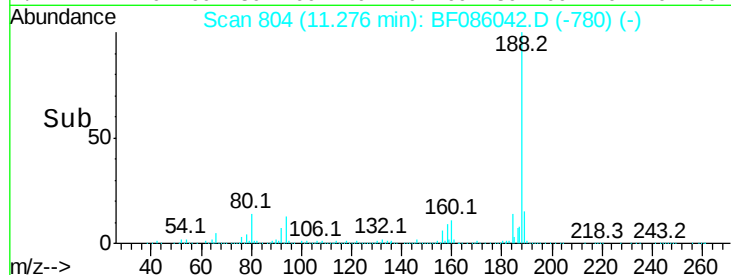


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



#70

Phenanthrene

Concen: 9.71 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

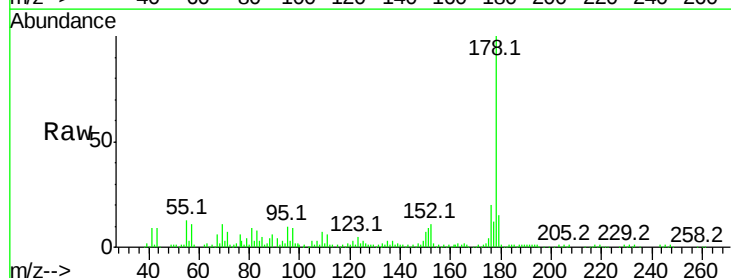
Tgt Ion:178 Resp: 183678

Ion Ratio Lower Upper

178 100

176 19.5 16.3 24.5

179 15.4 12.6 18.8

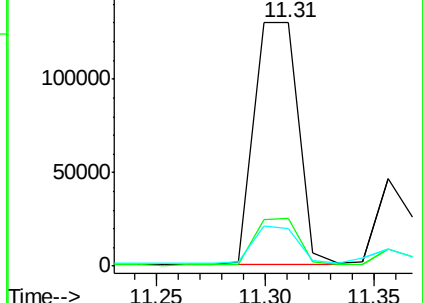
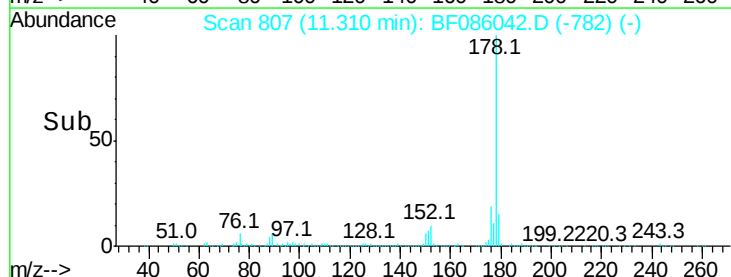


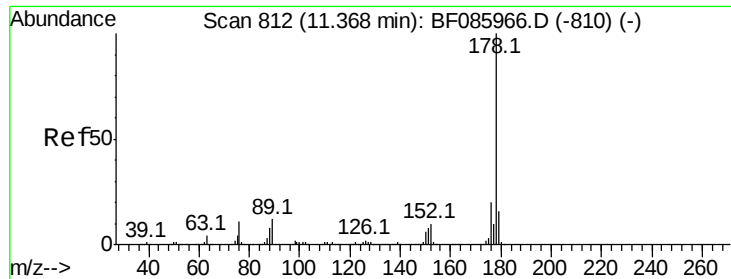
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->





#71

Anthracene

Concen: 2.80 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF086042.D

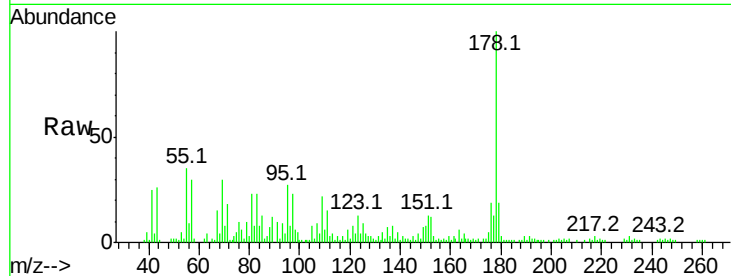
Acq: 4 Apr 2016 17:07

Instrument :

BNA_F

ClientSampleId :

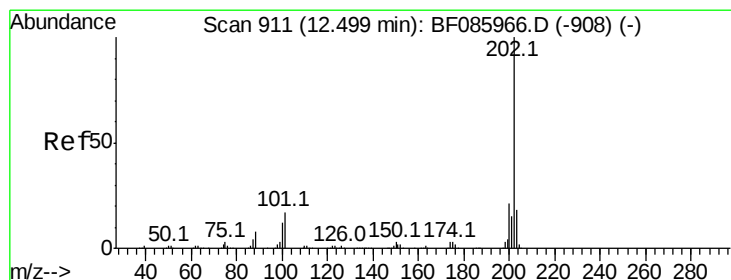
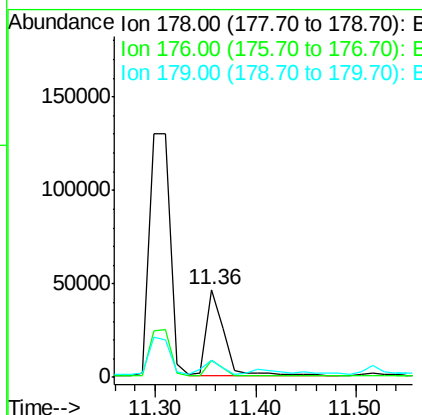
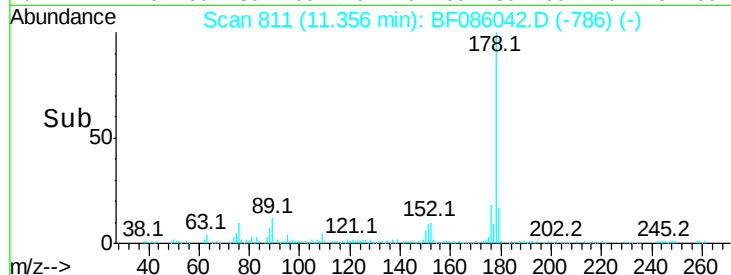
TK2-1-20160401



Tot Ion:	178	Resp:	55470
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.9	23.9
179	18.9	13.0	19.4

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:03 PM



#74

Fluoranthene

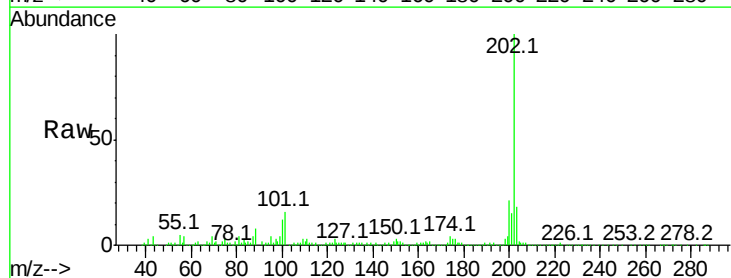
Concen: 16.51 ng

RT: 12.49 min Scan# 910

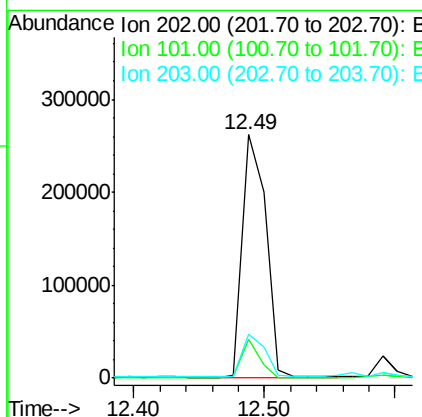
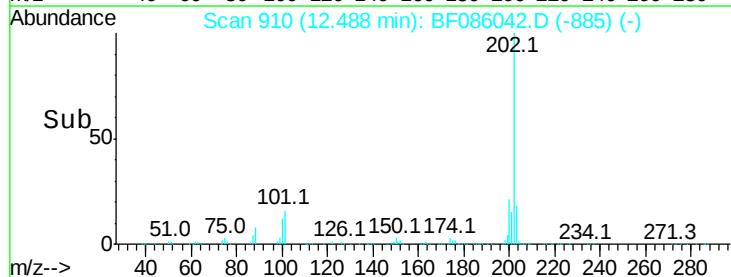
Delta R.T. -0.01 min

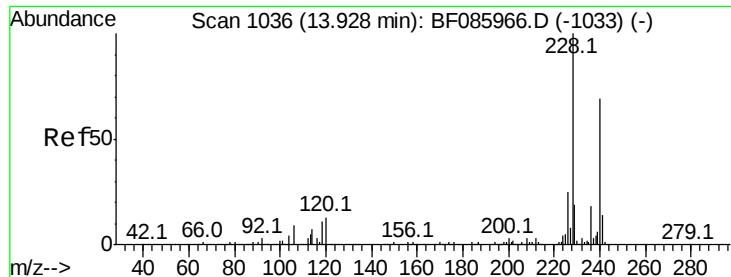
Lab File: BF086042.D

Acq: 4 Apr 2016 17:07



Tgt Ion:	202	Resp:	325021
Ion Ratio	Lower	Upper	
202	100		
101	16.0	0.0	36.6
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA_F

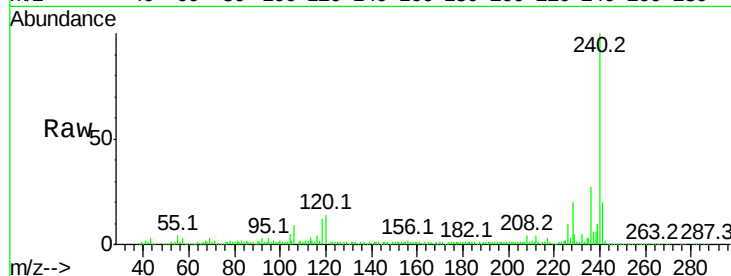
ClientSampleId :

TK2-1-20160401

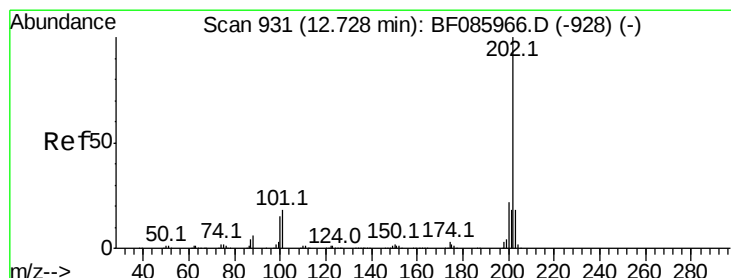
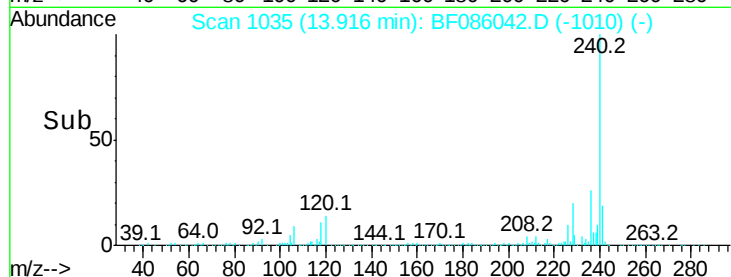
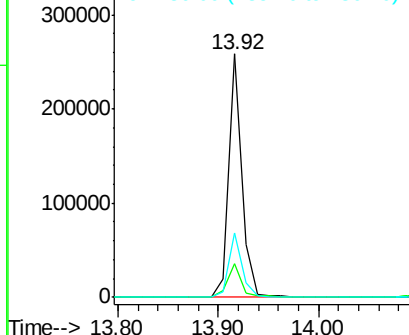
Tot Ion:	240	Resp:	232946
Ion Ratio	Lower	Upper	
240	100		
120	14.0	13.8	20.8
236	26.6	20.6	30.8

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:03 PM



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 17.18 ng

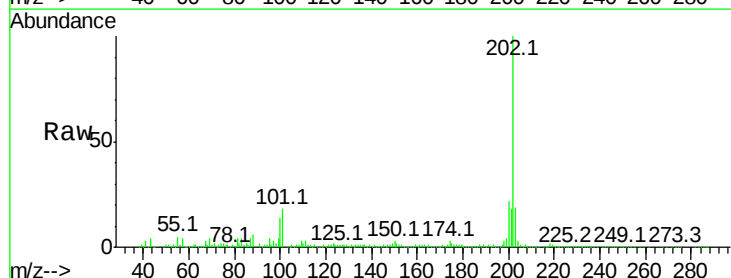
RT: 12.72 min Scan# 930

Delta R.T. -0.01 min

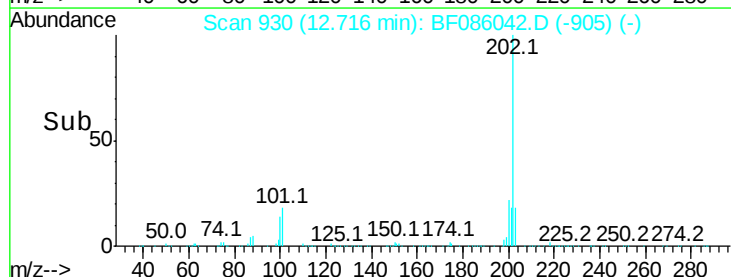
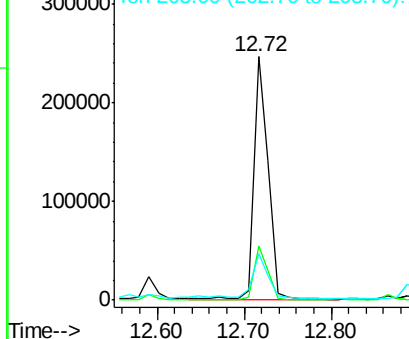
Lab File: BF086042.D

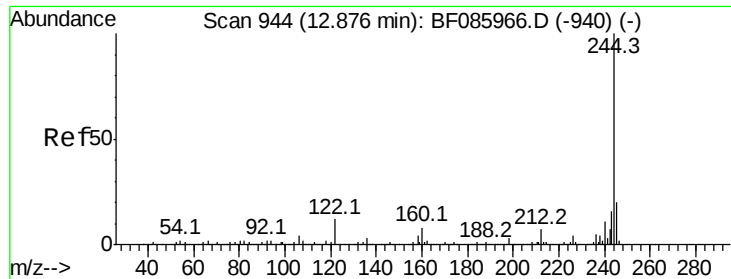
Acq: 4 Apr 2016 17:07

Tgt Ion:	202	Resp:	282081
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.6	26.4
203	18.9	14.0	21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.47 ng

RT: 12.86 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF086042.D

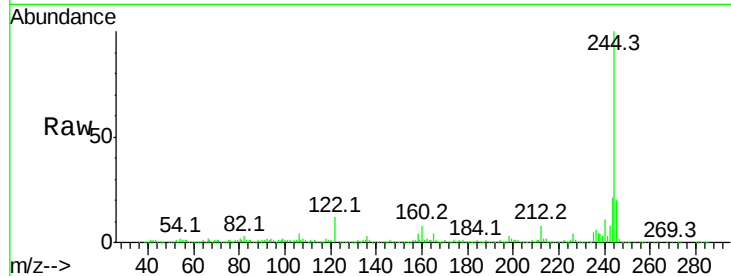
Acq: 4 Apr 2016 17:07

Instrument :

BNA_F

ClientSampleId :

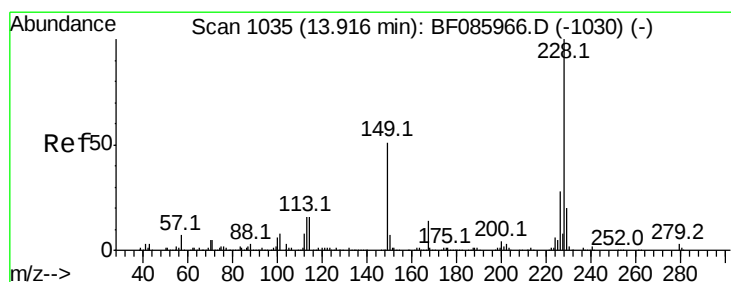
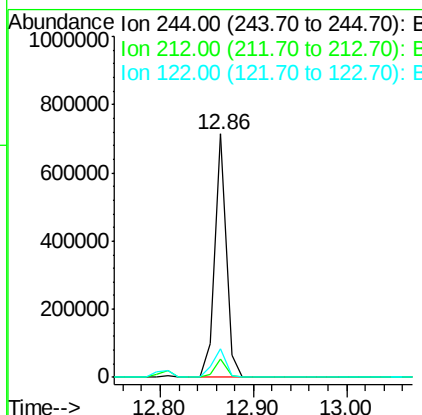
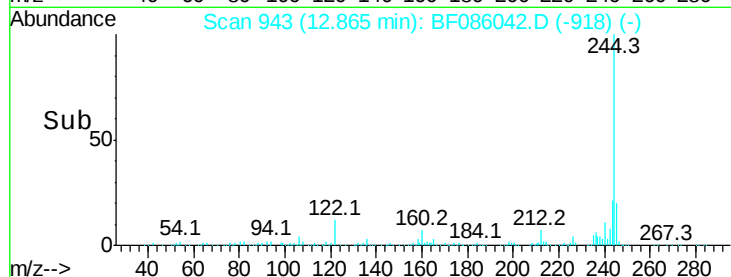
TK2-1-20160401



Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.1	9.1
122	11.9	10.2	15.4

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:03 PM



#80

Benzo(a)anthracene

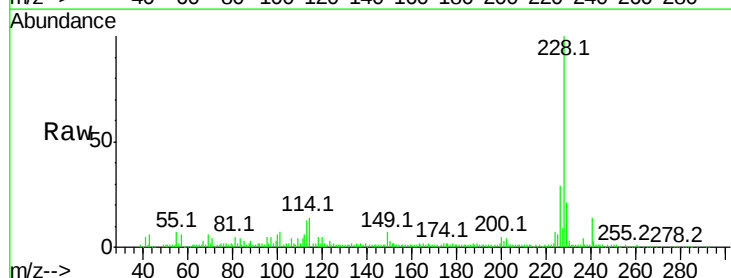
Concen: 11.85 ng

RT: 13.91 min Scan# 1034

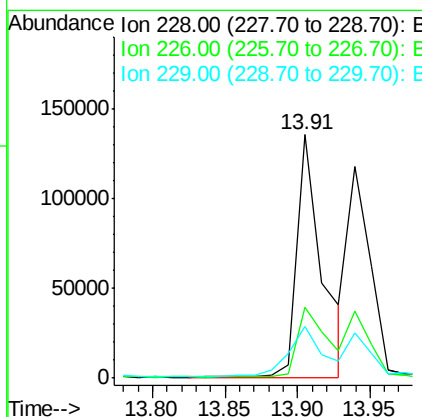
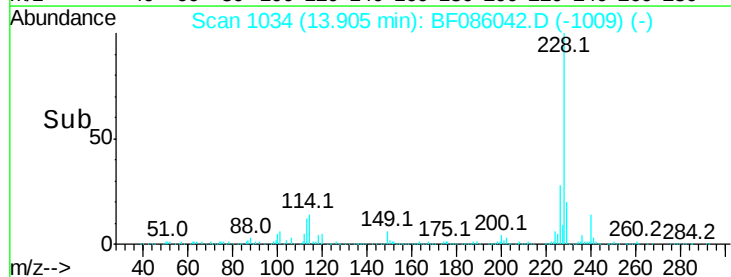
Delta R.T. -0.01 min

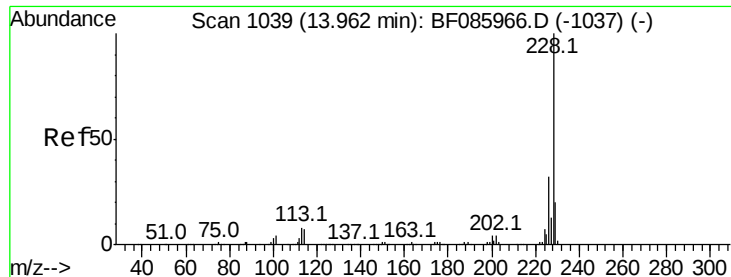
Lab File: BF086042.D

Acq: 4 Apr 2016 17:07



Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.1	33.1
229	21.4	16.2	24.4





#82

Chrysene

Concen: 9.47 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA_F

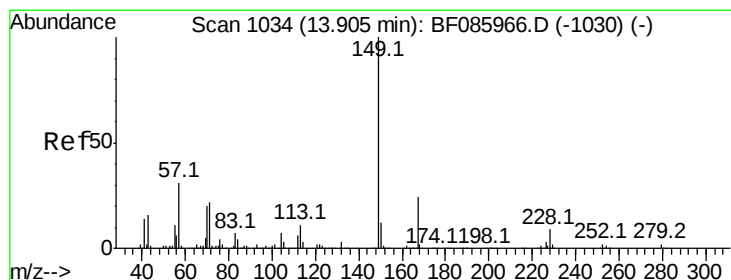
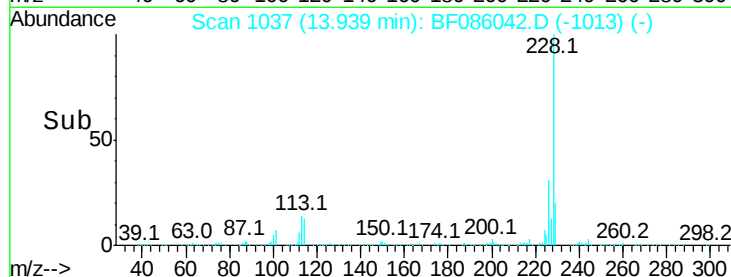
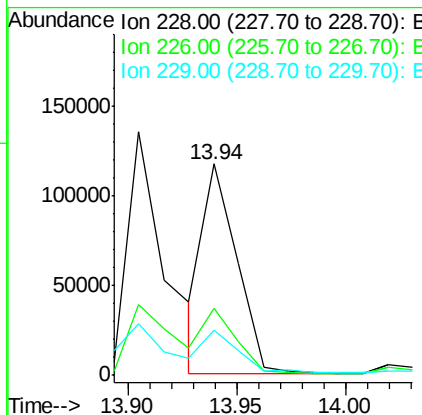
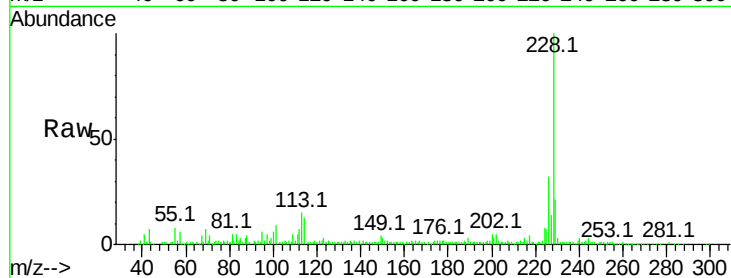
ClientSampleId :

TK2-1-20160401

Tot Ion:	228	Resp:	125316
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.0	37.6
229	21.3	15.7	23.5

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:03 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.02 ng

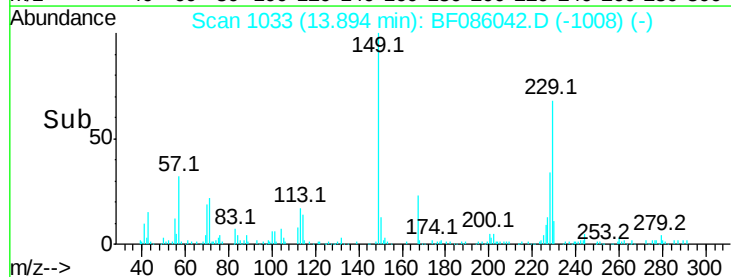
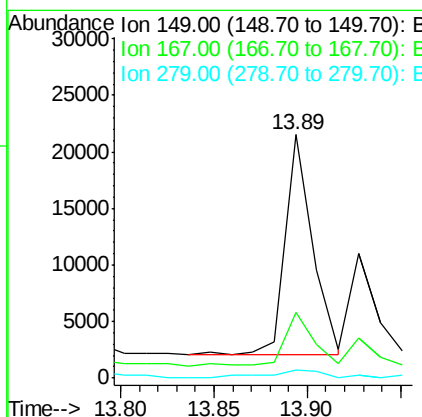
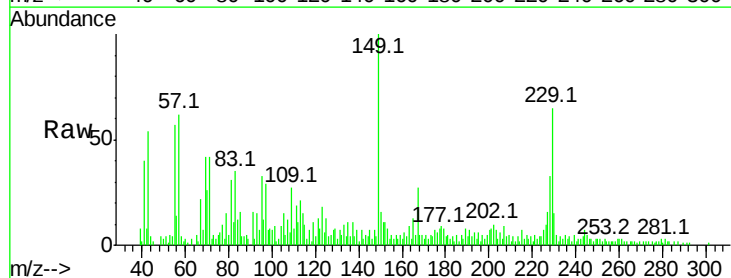
RT: 13.89 min Scan# 1033

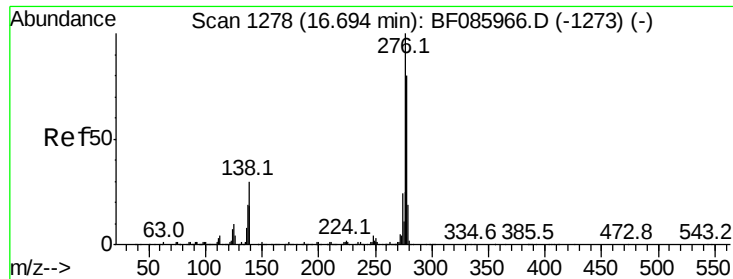
Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Tgt Ion:	149	Resp:	19783
Ion Ratio	Lower	Upper	
149	100		
167	27.0	19.4	29.2
279	3.3	1.5	2.3#





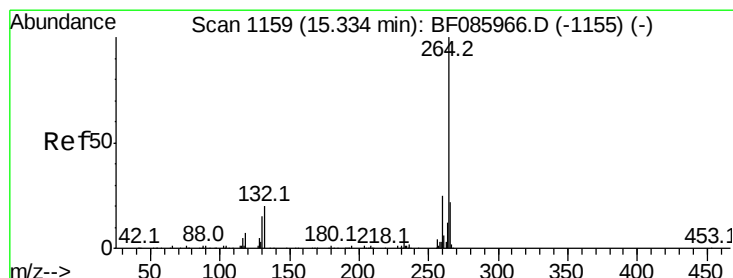
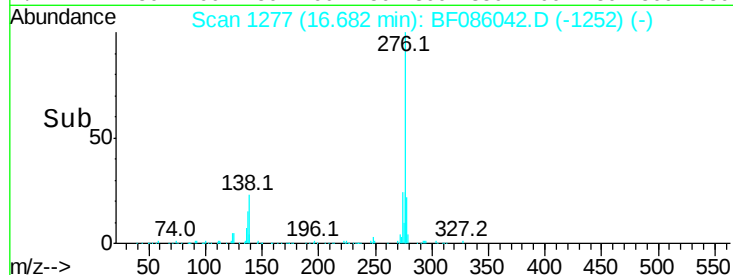
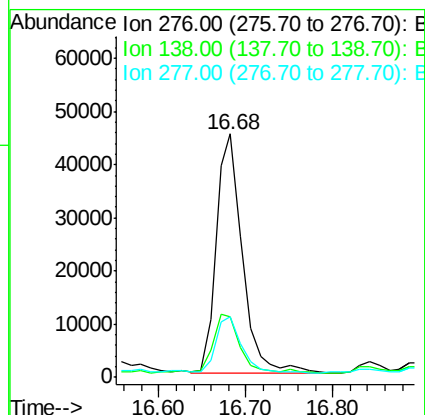
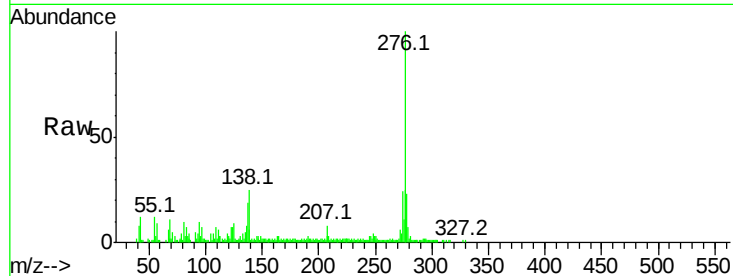
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.79 ng
 RT: 16.68 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF086042.D
 Acq: 4 Apr 2016 17:07

Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401

Tot Ion:	276	Resp:	94281
Ion Ratio	Lower	Upper	
276	100		
138	25.7	24.2	36.4
277	24.1	20.0	30.0

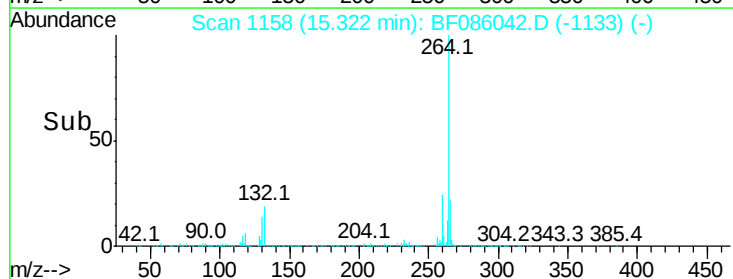
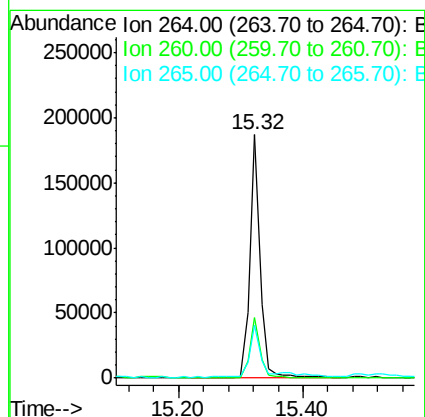
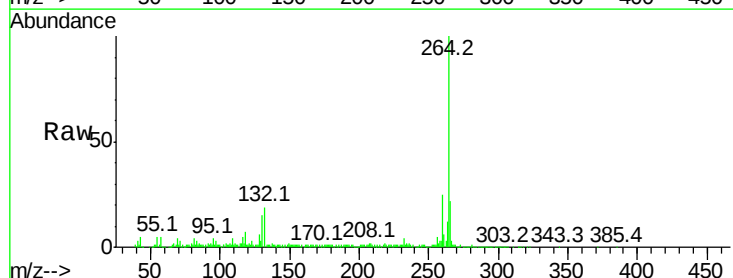
Manual Integrations
 APPROVED

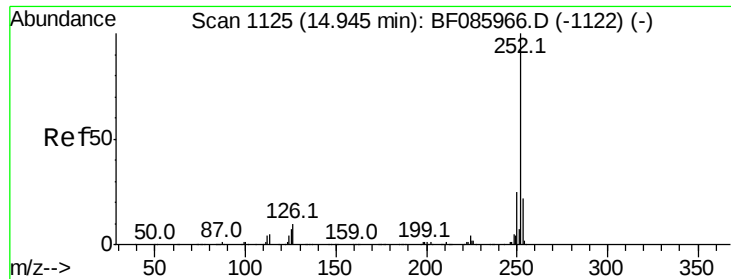
Sohil
 4/5/2016 6:39:03 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BF086042.D
 Acq: 4 Apr 2016 17:07

Tgt Ion:	264	Resp:	212310
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.4	29.2
265	22.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 17.34 ng m

RT: 14.93 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Instrument :

BNA_F

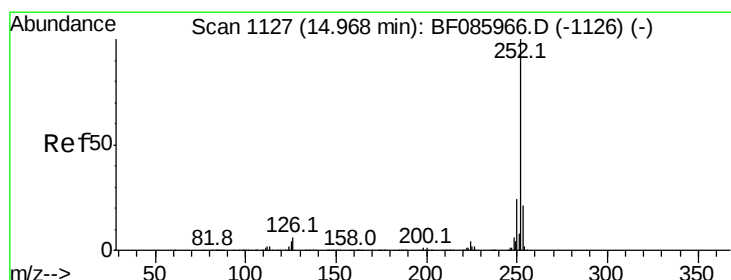
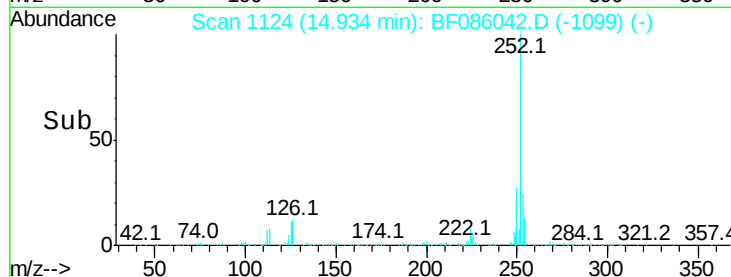
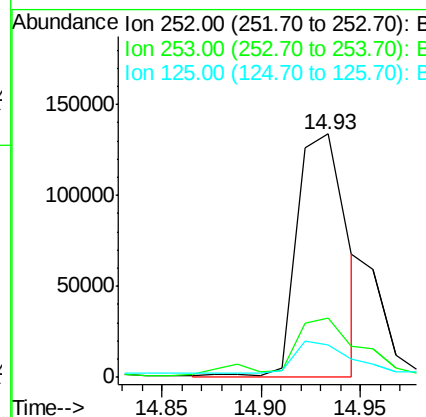
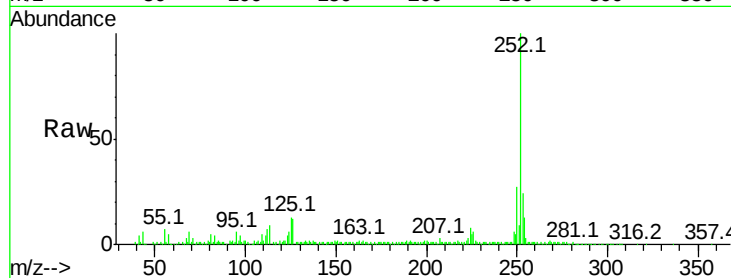
ClientSampleId :

TK2-1-20160401

Tot Ion:	252	Resp:	231637
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.6	26.4
125	13.1	10.3	15.5

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:03 PM



#88

Benzo(k)fluoranthene

Concen: 4.50 ng m

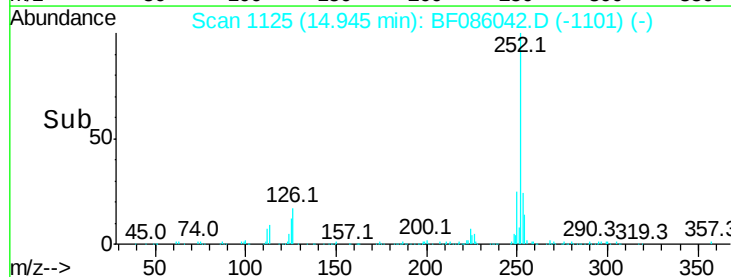
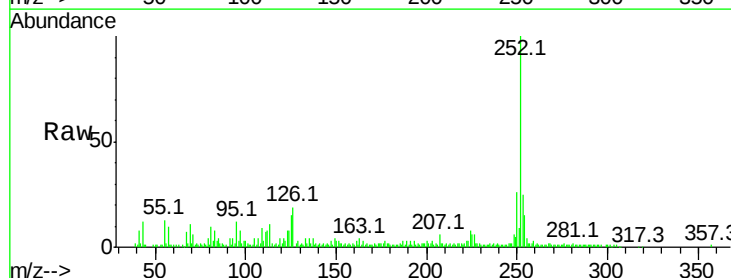
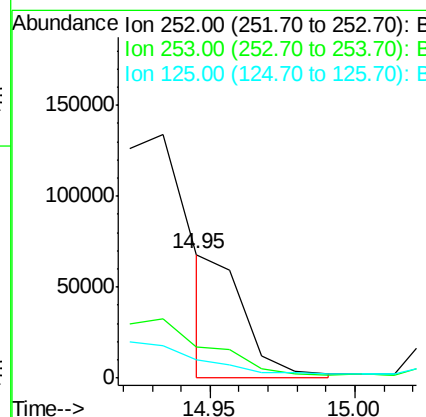
RT: 14.95 min Scan# 1125

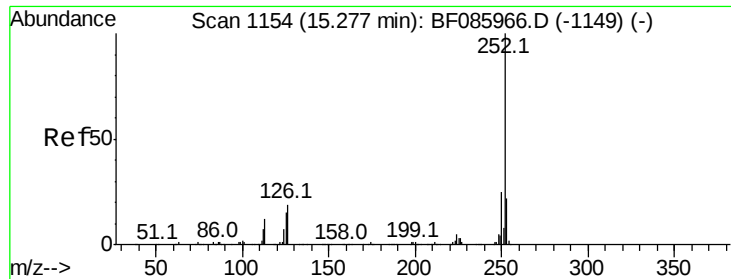
Delta R.T. -0.02 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Tgt Ion:	252	Resp:	53174
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.8	26.6
125	15.1	7.7	11.5#





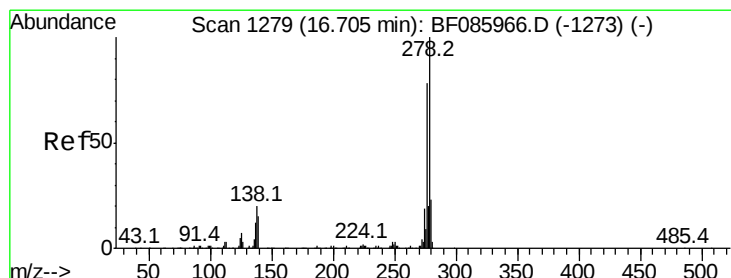
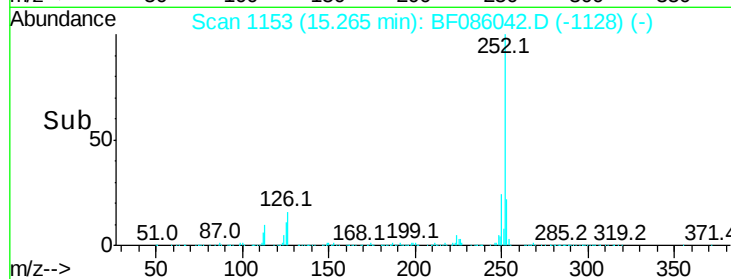
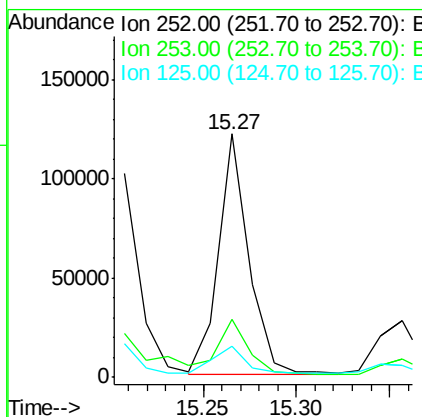
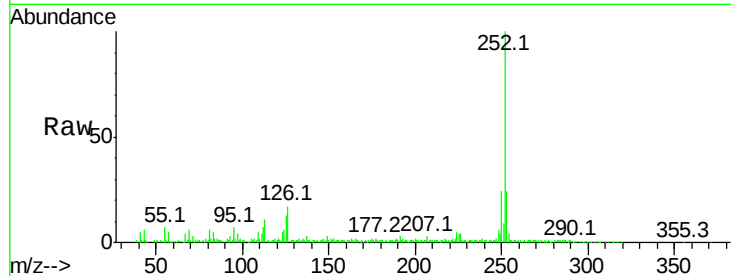
#89
Benzo(a)pyrene
Concen: 11.77 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF086042.D
Acq: 4 Apr 2016 17:07

Instrument :
BNA_F
ClientSampleId :
TK2-1-20160401

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	13.0	10.3	15.5

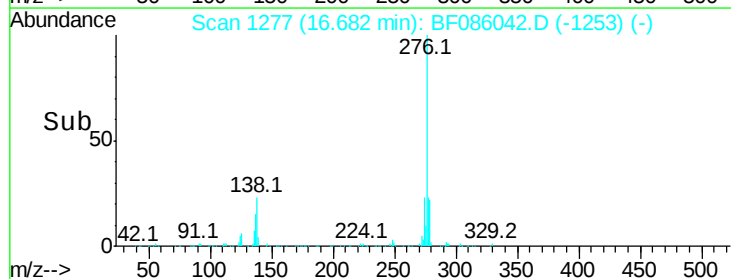
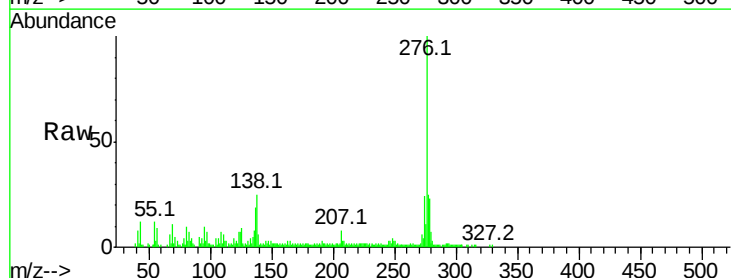
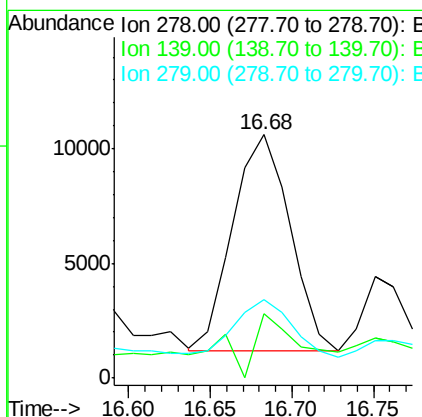
Manual Integrations
APPROVED

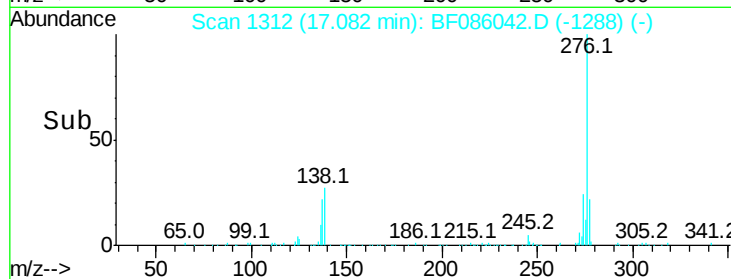
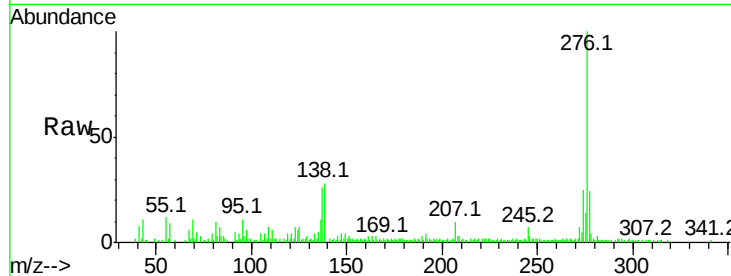
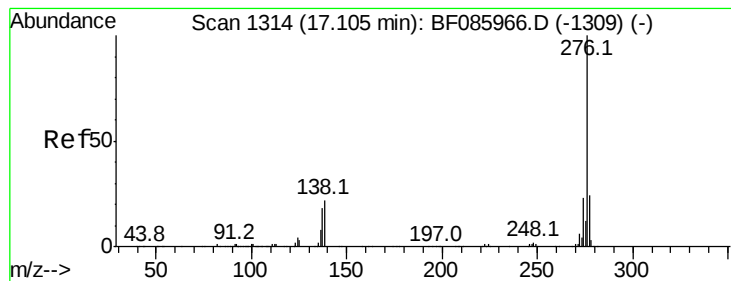
Sohil
4/5/2016 6:39:03 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.42 ng
RT: 16.68 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF086042.D
Acq: 4 Apr 2016 17:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.6	14.4	21.6#
279	32.1	19.1	28.7#





#91

Benzo(a,h,i)perylene

Concen: 9.75 ng

RT: 17.08 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF086042.D

Acq: 4 Apr 2016 17:07

Tot Ion:	276	Resp:	89792
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.8	28.2
138	28.1	22.6	34.0

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:03 PM

