

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088426.D
 Acq On : 26 Jun 2016 18:57
 Operator : UM/SJ
 Sample : H3663-17 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Manual Integrations
 APPROVED

sohil
 6/27/2016 8:02:07 PM

Quant Time: Jun 27 17:52:46 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	76168	20.00	ng	-0.06
21) Naphthalene-d8	7.83	136	309221	20.00	ng	-0.07
38) Acenaphthene-d10	9.58	164	146870	20.00	ng	-0.07
63) Phenanthrene-d10	11.05	188	254918	20.00	ng	-0.07
75) Chrysene-d12	13.68	240	173489	20.00	ng	-0.07
86) Perylene-d12	15.03	264	168271	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	235192	52.79	ng	-0.05
7) Phenol-d6	6.22	99	303100	56.13	ng	-0.05
23) Nitrobenzene-d5	7.12	82	184007	34.75	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	67129	43.29	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	331897	32.05	ng	-0.06
78) Terphenyl-d14	12.63	244	245584	32.21	ng	-0.07
Target Compounds						Qvalue
49) Dimethylphthalate	9.31	163	52768	4.96	ng	99
51) Acenaphthene	9.61	154	20227	2.14	ng	96
54) Dibenzofuran	9.78	168	31290	2.41	ng	# 88
70) Phenanthrene	11.07	178	348134	26.03	ng	99
71) Anthracene	11.13	178	107957	8.00	ng	98
72) Carbazole	11.30	167	39609	3.14	ng	97
74) Fluoranthene	12.26	202	486394	34.46	ng	94
77) Pyrene	12.48	202	344116	26.73	ng	99
80) Benzo(a)anthracene	13.67	228	230404	23.31	ng	99
82) Chrysene	13.70	228	382545	41.13	ng	97
85) Indeno(1,2,3-cd)pyrene	16.25	276	174521	20.20	ng	# 100
87) Benzo(b)fluoranthene	14.67	252	463041m	39.48	ng	
88) Benzo(k)fluoranthene	14.69	252	170010m	19.22	ng	
89) Benzo(a)pyrene	14.98	252	243824m	25.70	ng	
90) Dibenzo(a,h)anthracene	16.25	278	39519m	4.48	ng	
91) Benzo(g,h,i)perylene	16.62	276	163854	18.07	ng	98

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

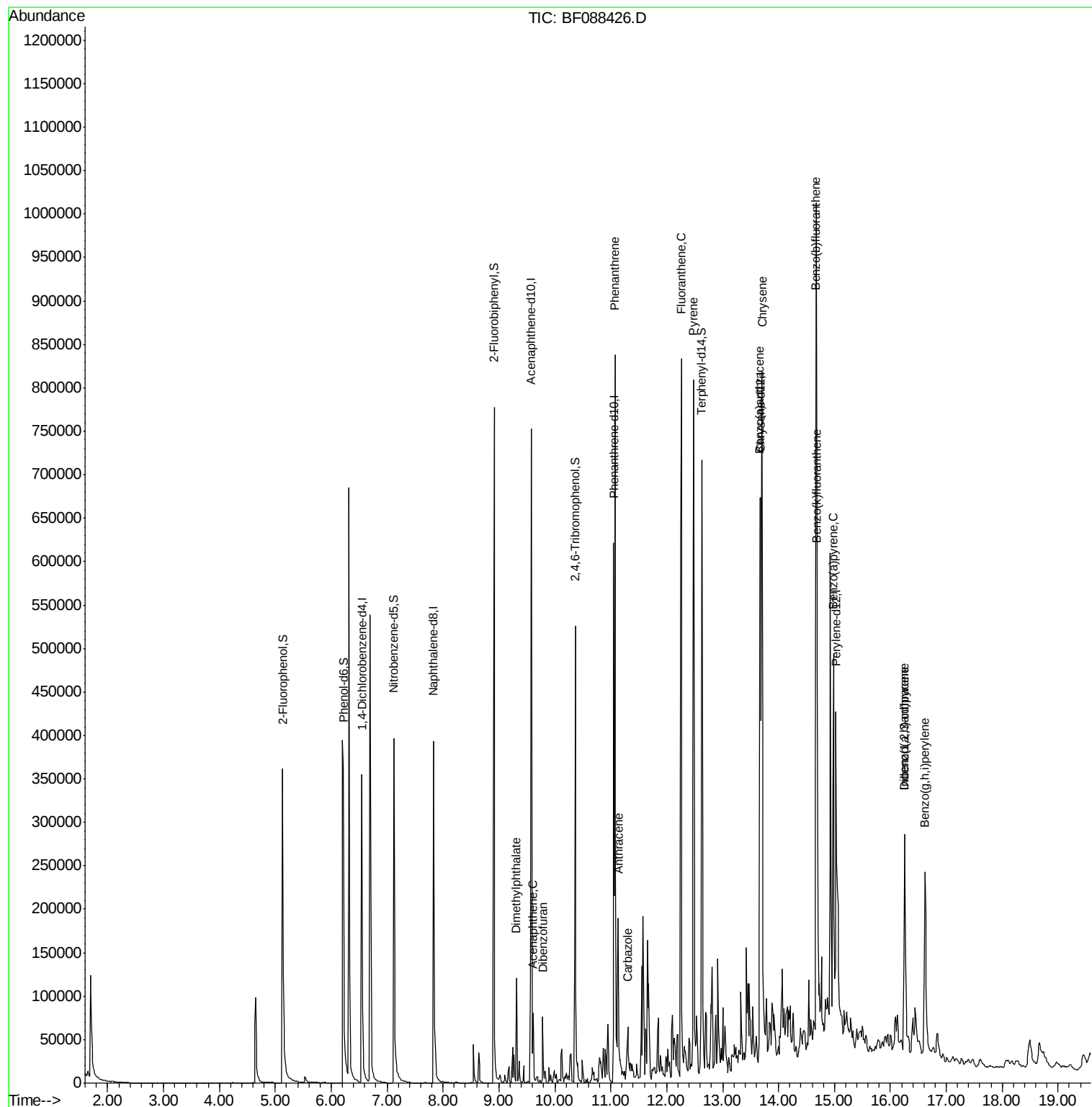
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
Data File : BF088426.D
Acq On : 26 Jun 2016 18:57
Operator : UM/SJ
Sample : H3663-17 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

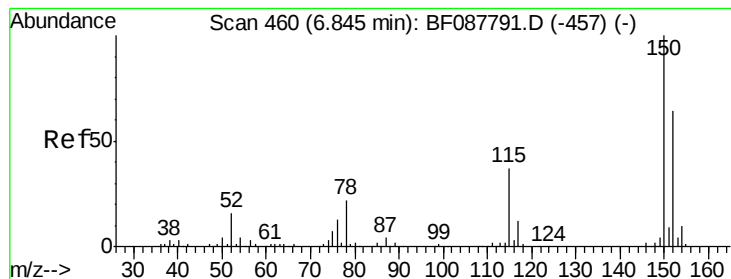
Instrument :
BNA_F
ClientSampleId :
TP-10

Manual Integrations
APPROVED

sohil
6/27/2016 8:02:07 PM

Quant Time: Jun 27 17:52:46 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 22 14:55:14 2016
Response via : Initial Calibration





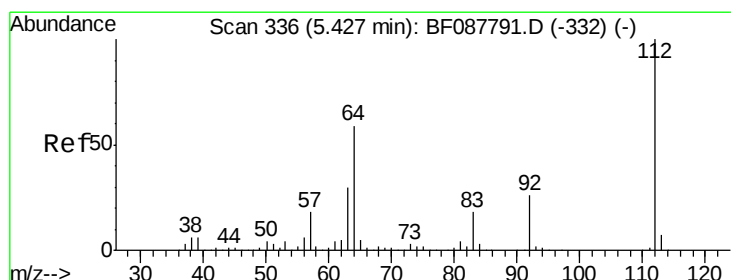
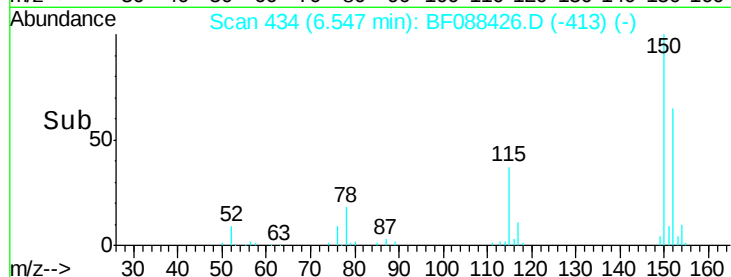
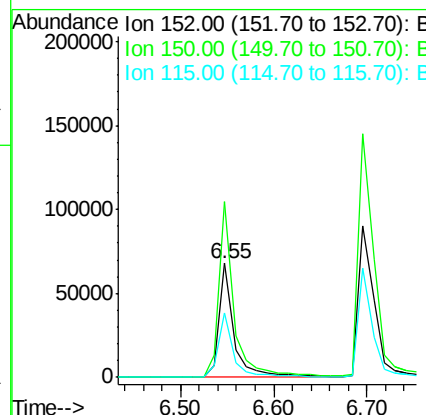
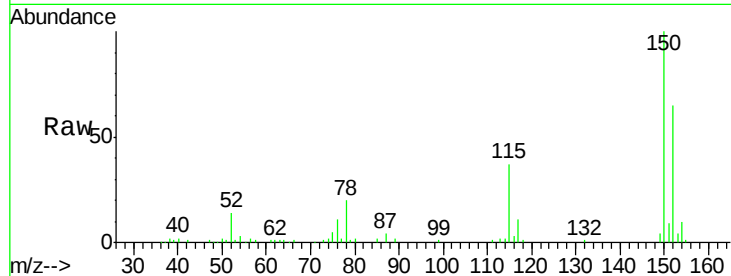
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.55 min Scan# 434
 Delta R.T. -0.06 min
 Lab File: BF088426.D
 Acq: 26 Jun 2016 18:57

Instrument :
 BNA_F
 ClientSampled :
 TP-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	123.8	185.6
115	56.6	39.6	59.4

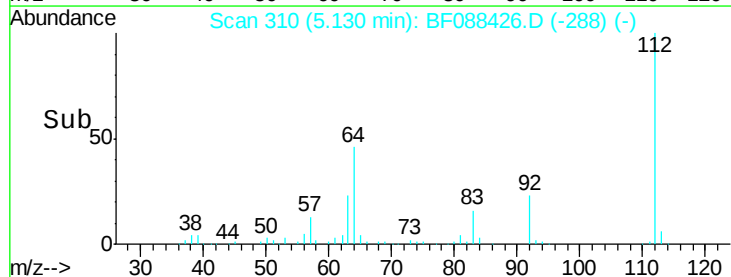
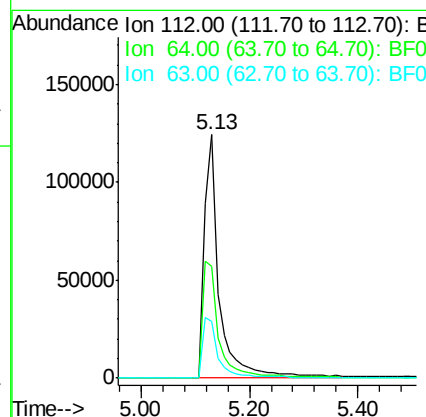
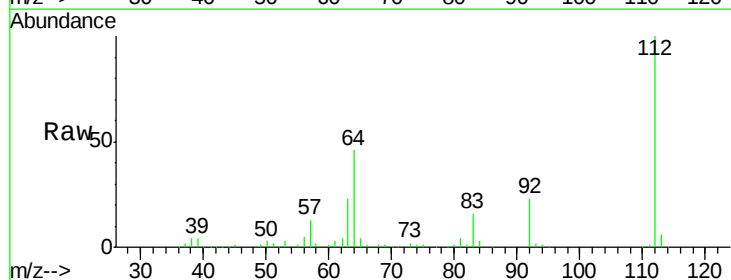
Manual Integrations
 APPROVED

sohil
 6/27/2016 8:02:07 PM



#5
 2-Fluorophenol
 Concen: 52.79 ng
 RT: 5.13 min Scan# 310
 Delta R.T. -0.05 min
 Lab File: BF088426.D
 Acq: 26 Jun 2016 18:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.2	42.2	63.2
63	23.2	21.8	32.8





#7

Phenol-d6

Concen: 56.13 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088426.D

Acq: 26 Jun 2016 18:57

Instrument :

BNA_F

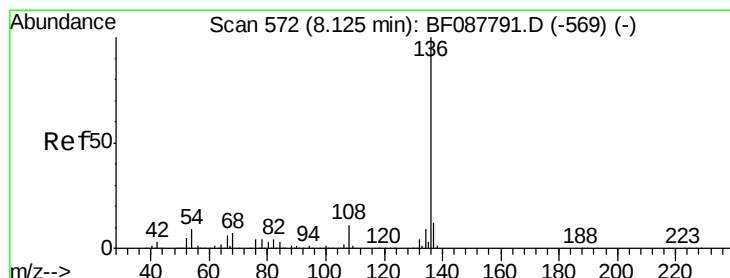
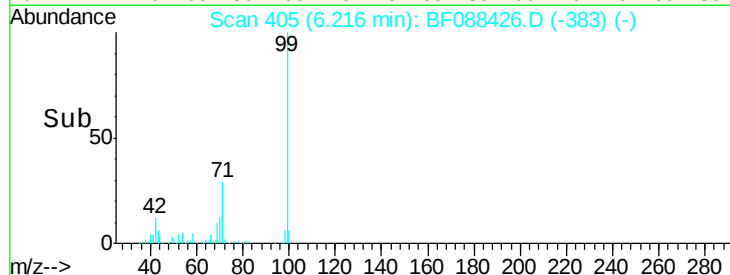
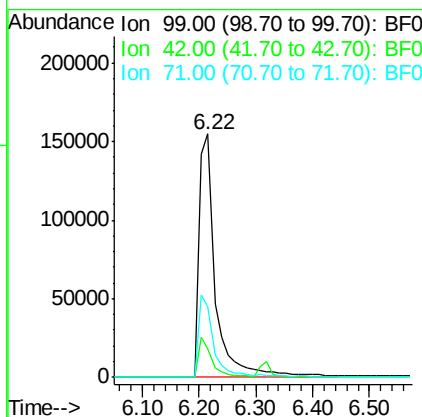
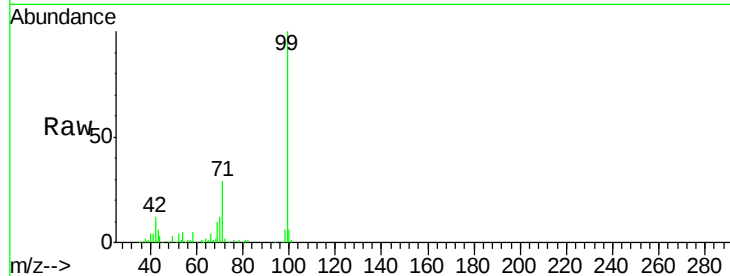
ClientSampled :

TP-10

Tot Ion:	99	Resp:	303100
Ion Ratio	Lower	Upper	
99	100		
42	11.7	12.2	18.2#
71	28.8	23.4	35.0

Manual Integrations
APPROVED

sohil
6/27/2016 8:02:07 PM



#21

Naphthalene-d8

Concen: 20.00 ng

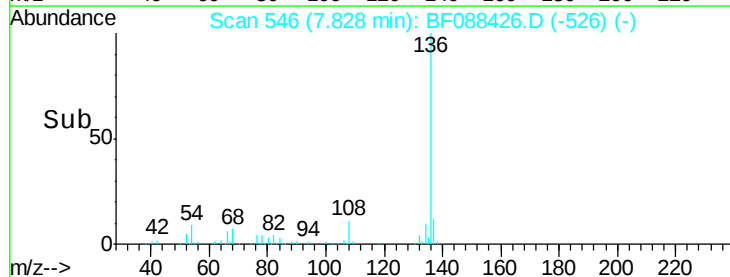
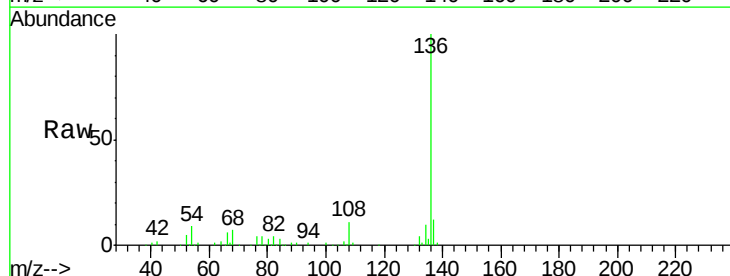
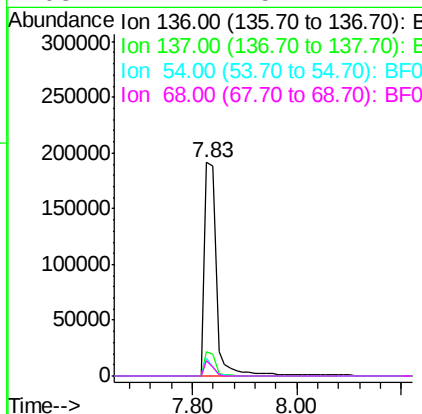
RT: 7.83 min Scan# 546

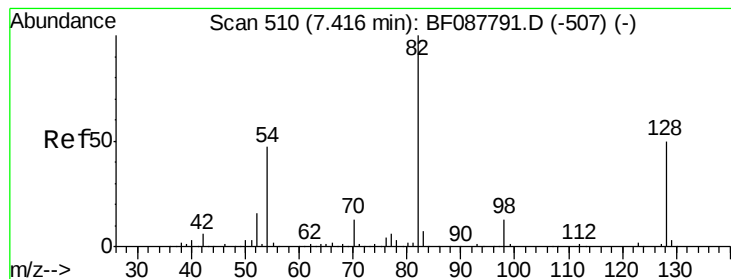
Delta R.T. -0.07 min

Lab File: BF088426.D

Acq: 26 Jun 2016 18:57

Tgt Ion:	136	Resp:	309221
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.1	13.7
54	8.6	6.6	10.0
68	7.2	5.1	7.7





#23

Nitrobenzene-d5

Concen: 34.75 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.06 min

Lab File: BF088426.D

Acq: 26 Jun 2016 18:57

Instrument :

BNA_F

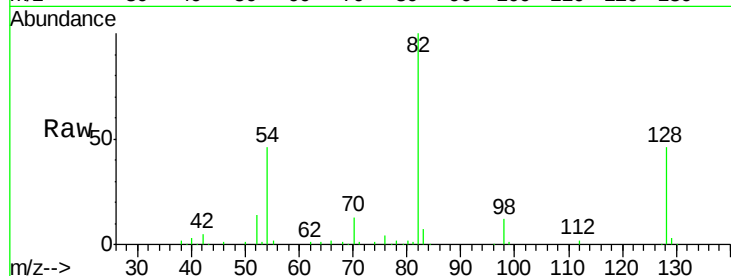
ClientSampled :

TP-10

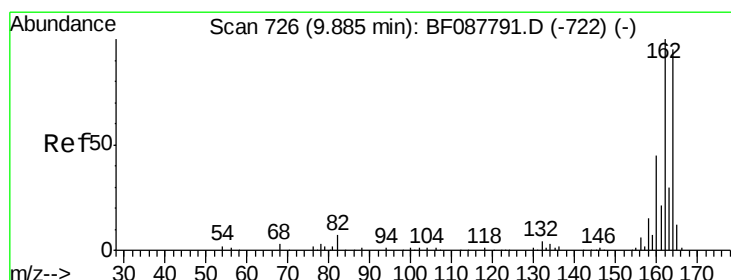
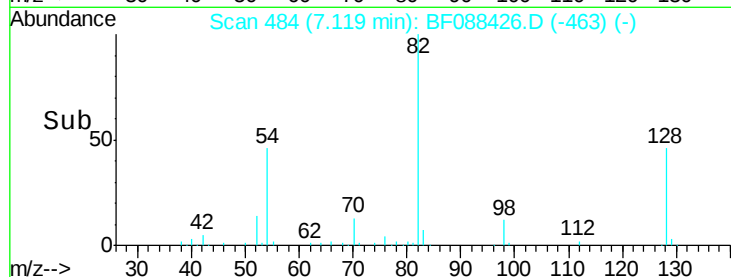
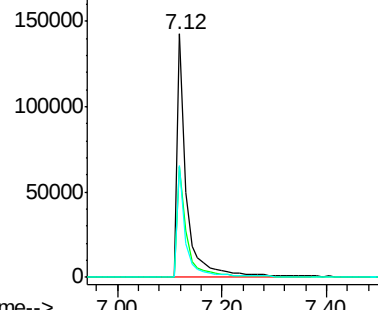
Tot Ion:	82	Resp:	184007
Ion Ratio	Lower	Upper	
82	100		
128	45.5	35.9	53.9
54	45.9	40.9	61.3

Manual Integrations
APPROVED

sohil
6/27/2016 8:02:07 PM



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.58 min Scan# 699

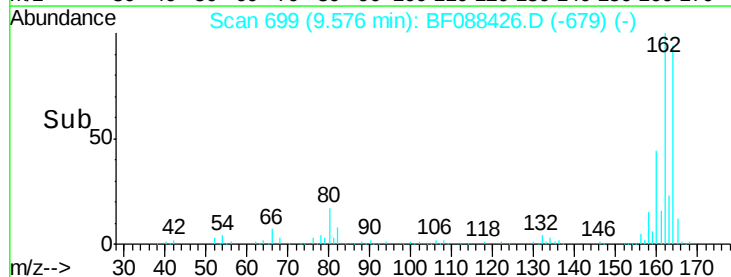
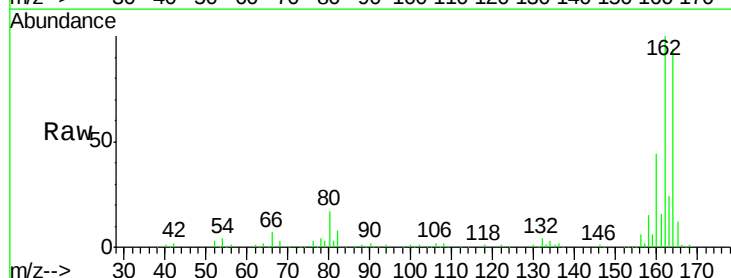
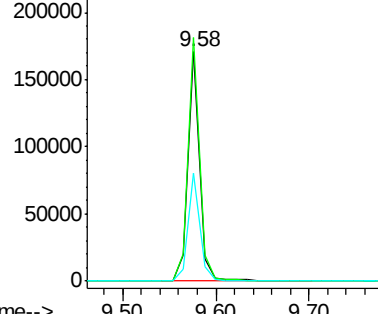
Delta R.T. -0.07 min

Lab File: BF088426.D

Acq: 26 Jun 2016 18:57

Tgt Ion:	164	Resp:	146870
Ion Ratio	Lower	Upper	
164	100		
162	106.3	85.4	128.2
160	47.0	39.5	59.3

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





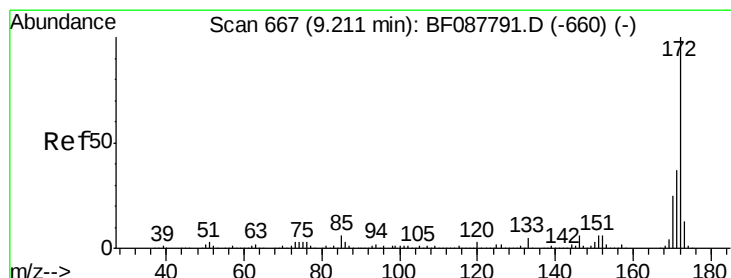
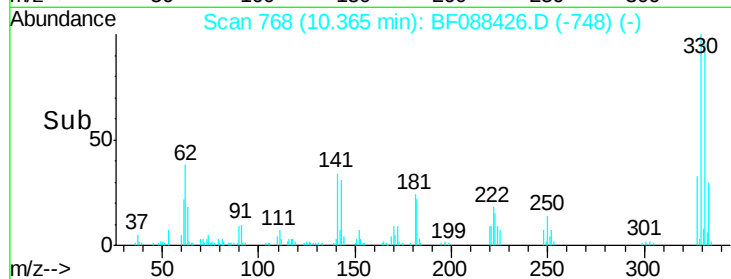
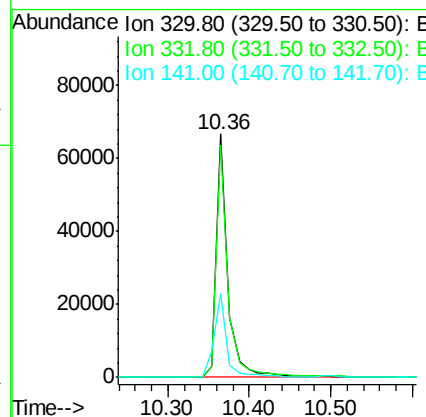
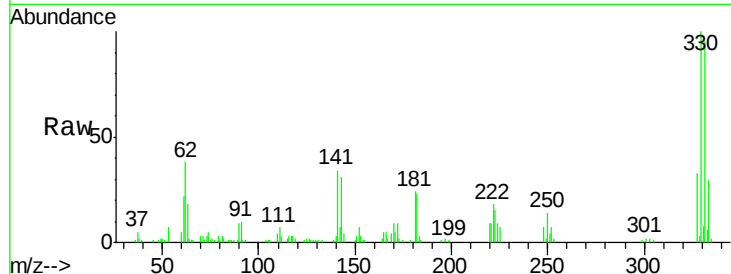
#41
 2,4,6-Tribromophenol
 Concen: 43.29 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.07 min
 Lab File: BF088426.D
 Acq: 26 Jun 2016 18:57

Instrument :
 BNA_F
 ClientSampled :
 TP-10

Tot Ion	Ratio	Resp	Lower	Upper
330	100	67129		
332	97.0	0.0	0.0	0.0
141	37.8	0.0	0.0	0.0

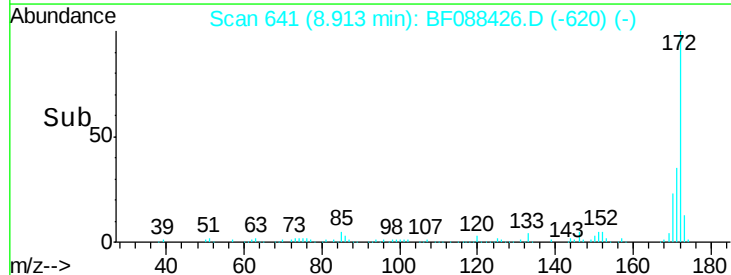
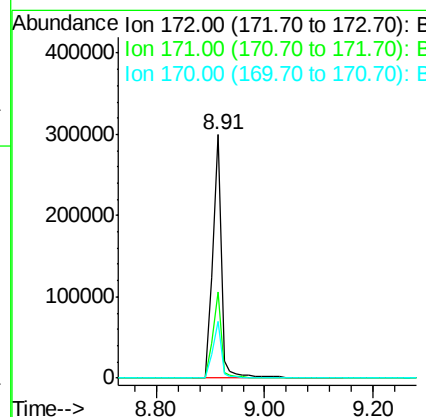
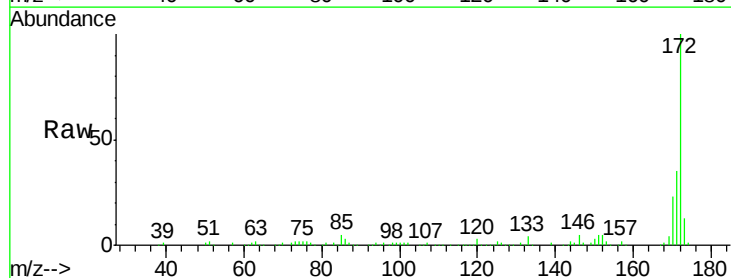
Manual Integrations
 APPROVED

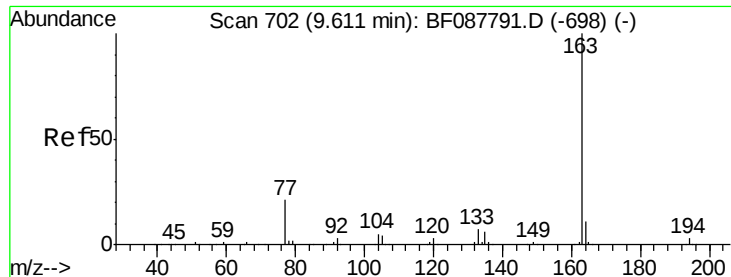
sohil
 6/27/2016 8:02:07 PM



#44
 2-Fluorobiphenyl
 Concen: 32.05 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.06 min
 Lab File: BF088426.D
 Acq: 26 Jun 2016 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	331897		
171	35.3	28.6	43.0	
170	23.4	19.2	28.8	





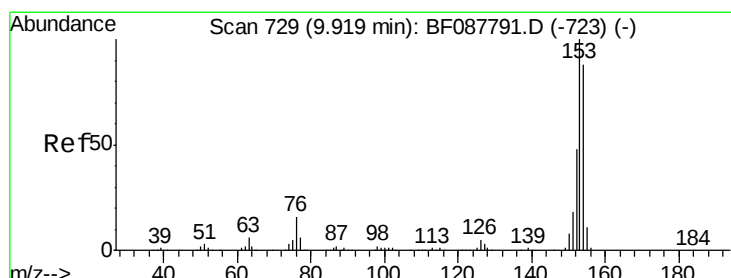
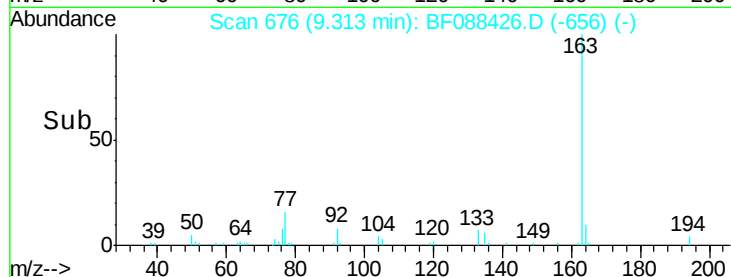
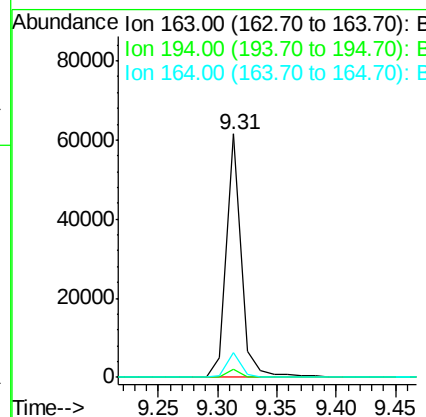
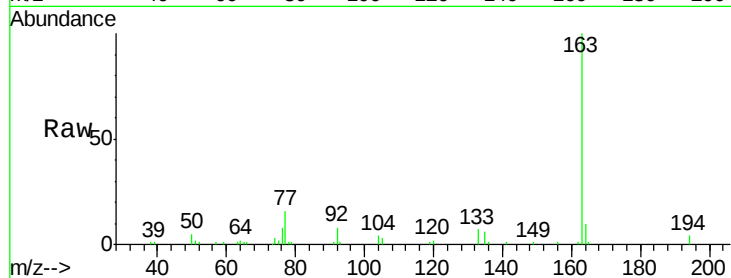
#49
Dimethylphthalate
Concen: 4.96 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.07 min
Lab File: BF088426.D
Acq: 26 Jun 2016 18:57

Instrument :
BNA_F
ClientSampleId :
TP-10

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	9.9	8.3	12.5

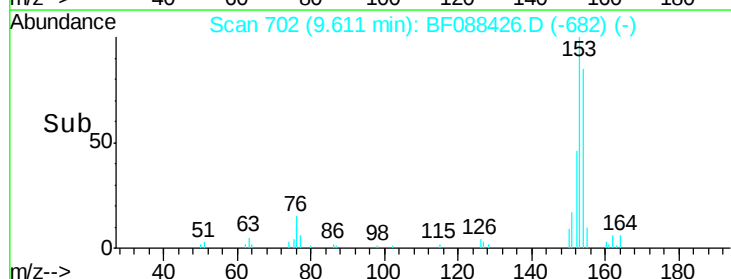
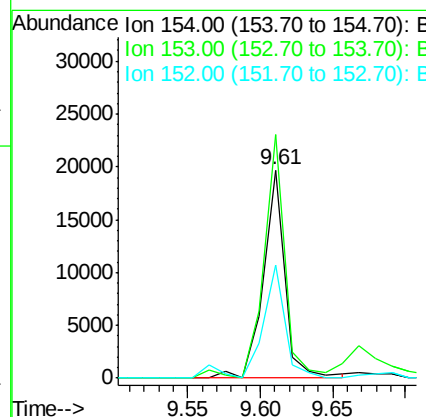
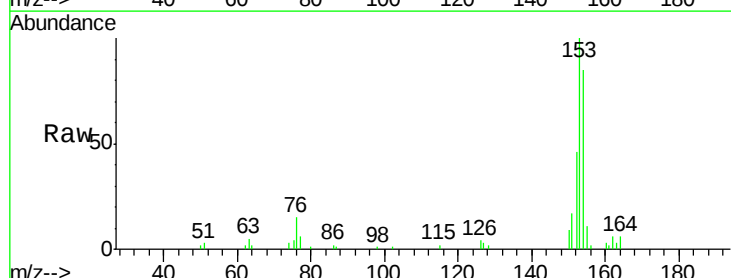
Manual Integrations
APPROVED

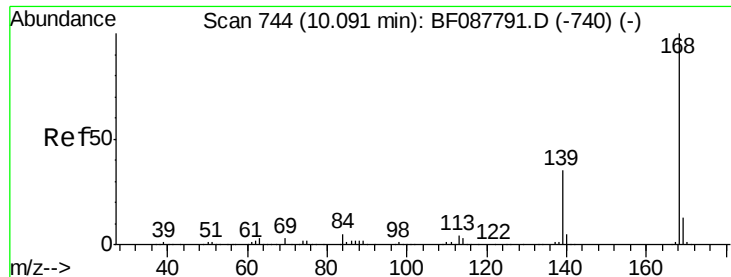
sohil
6/27/2016 8:02:07 PM



#51
Acenaphthene
Concen: 2.14 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.07 min
Lab File: BF088426.D
Acq: 26 Jun 2016 18:57

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.2	89.5	134.3
152	54.2	42.7	64.1





#54

Dibenzenofuran

Concen: 2.41 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.07 min

Lab File: BF088426.D

Acq: 26 Jun 2016 18:57

Instrument :

BNA_F

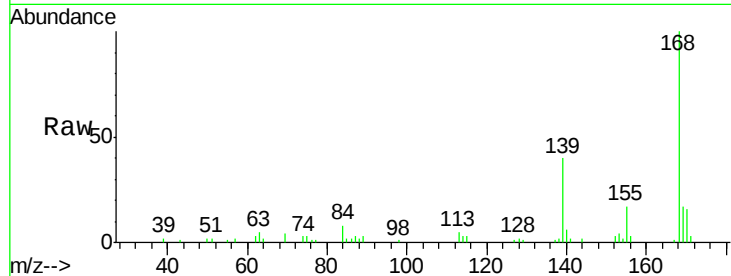
ClientSampled :

TP-10

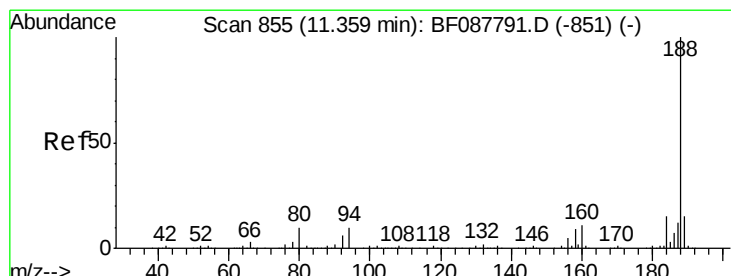
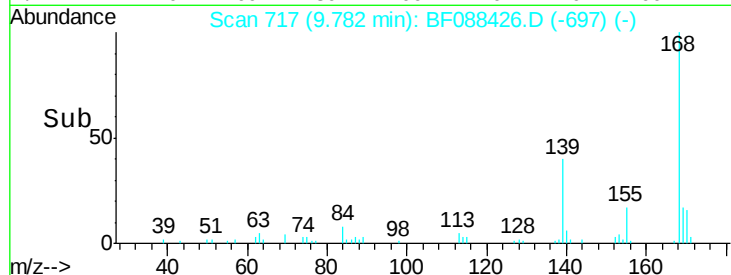
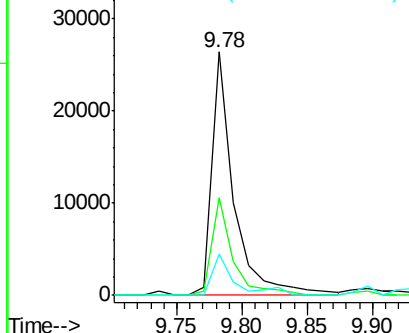
Tot Ion:	168	Resp:	31290
Ion Ratio	Lower	Upper	
168	100		
139	40.3	26.4	39.6#
169	17.1	10.4	15.6#

Manual Integrations
APPROVED

sohil
6/27/2016 8:02:07 PM



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

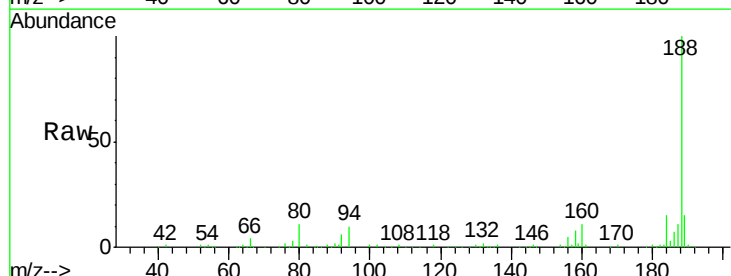
RT: 11.05 min Scan# 828

Delta R.T. -0.07 min

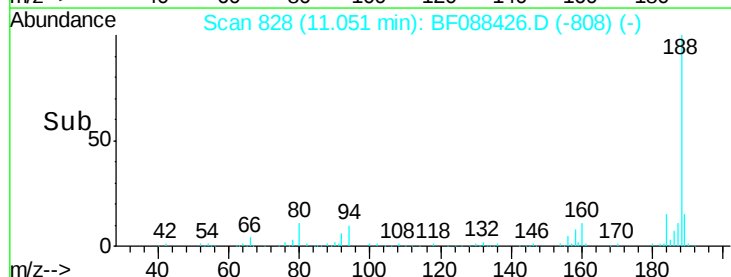
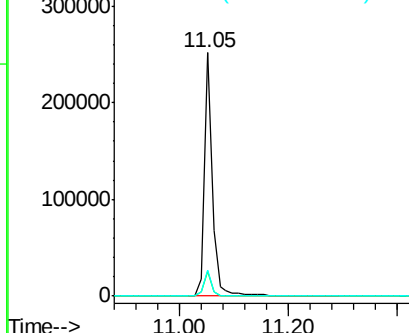
Lab File: BF088426.D

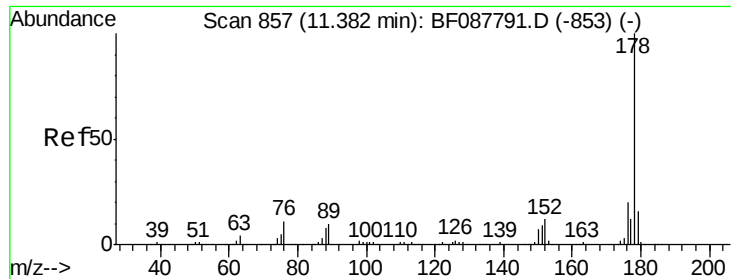
Acq: 26 Jun 2016 18:57

Tgt Ion:	188	Resp:	254918
Ion Ratio	Lower	Upper	
188	100		
94	10.2	9.0	13.6
80	10.8	10.0	15.0



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





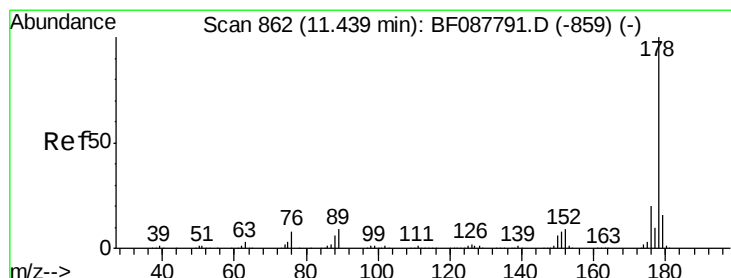
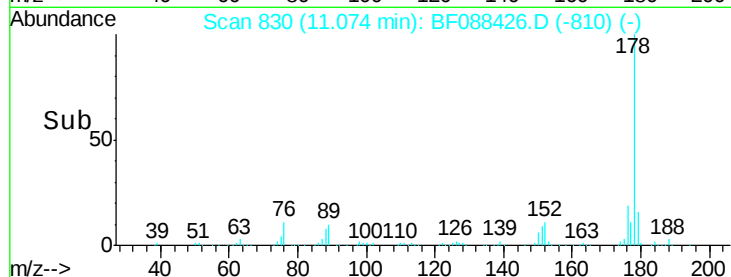
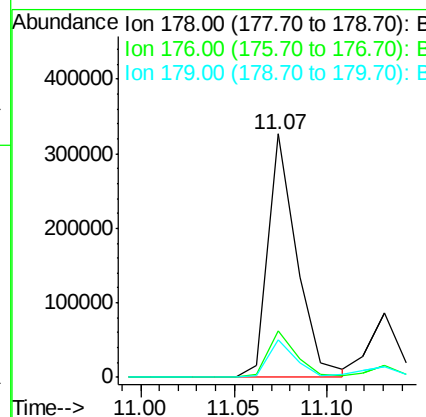
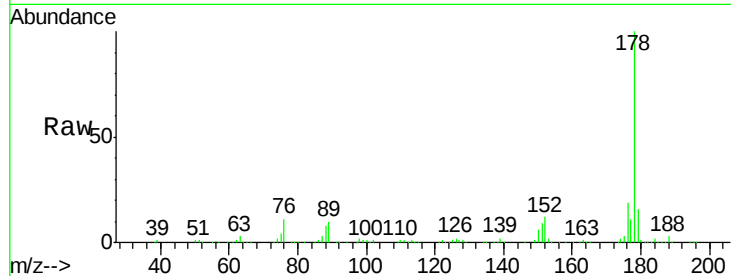
#70
Phenanthrene
Concen: 26.03 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.07 min
Lab File: BF088426.D
Acq: 26 Jun 2016 18:57

Instrument :
BNA_F
ClientSampleId :
TP-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.6
179	15.6	13.0	19.4

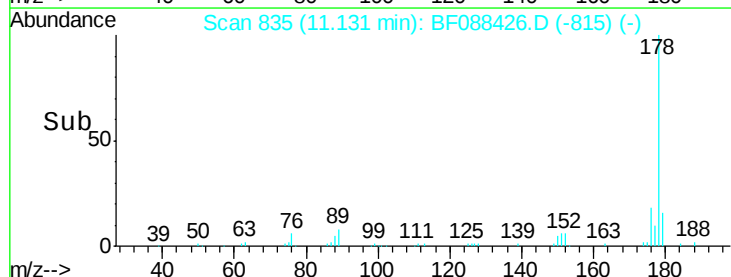
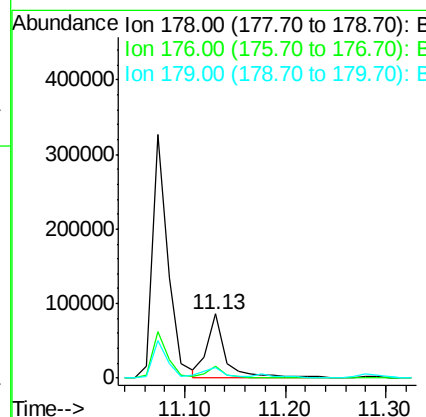
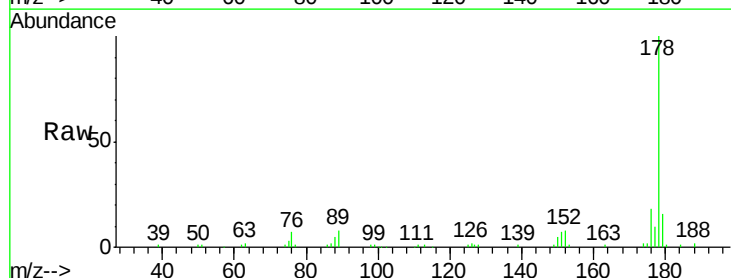
Manual Integrations
APPROVED

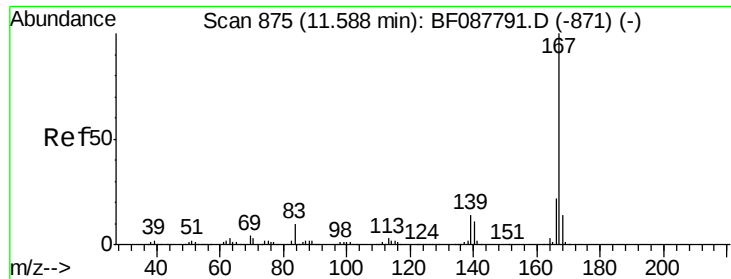
sohil
6/27/2016 8:02:07 PM



#71
Anthracene
Concen: 8.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.07 min
Lab File: BF088426.D
Acq: 26 Jun 2016 18:57

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.6	23.4
179	16.3	12.8	19.2





#72

Carbazole

Concen: 3.14 ng

RT: 11.30 min Scan# 850

Delta R.T. -0.06 min

Lab File: BF088426.D

Acq: 26 Jun 2016 18:57

Instrument :

BNA_F

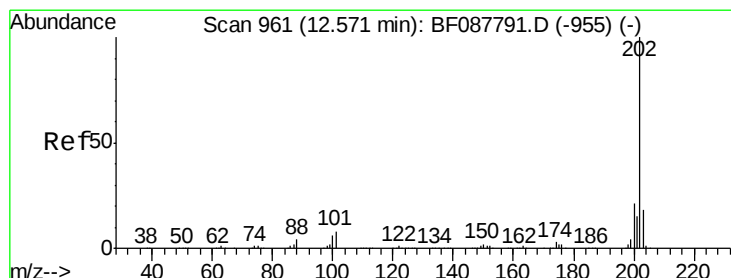
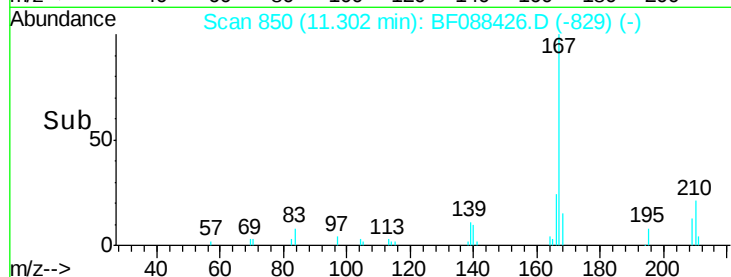
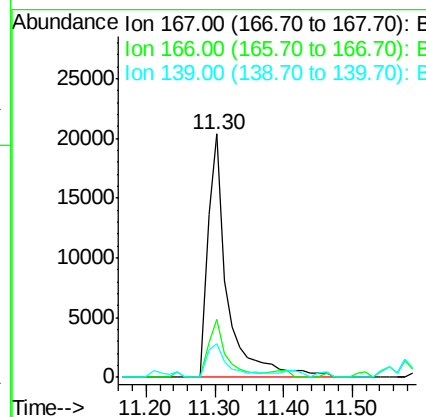
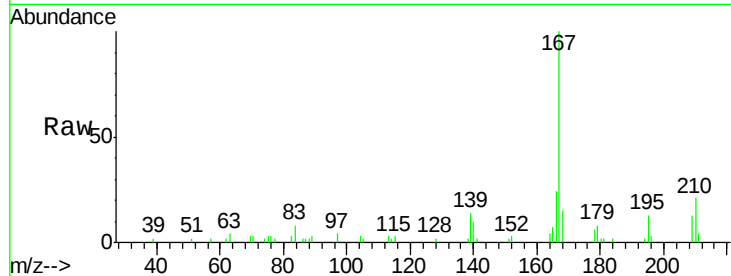
ClientSampled :

TP-10

Tot Ion:	167	Resp:	39609
Ion Ratio	Lower	Upper	
167	100		
166	24.1	17.8	26.6
139	13.7	11.2	16.8

Manual Integrations
APPROVED

sohil
6/27/2016 8:02:07 PM



#74

Fluoranthene

Concen: 34.46 ng

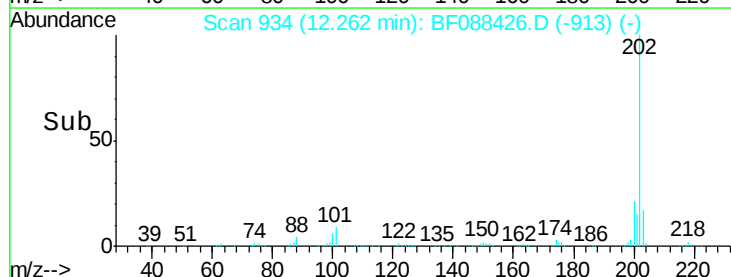
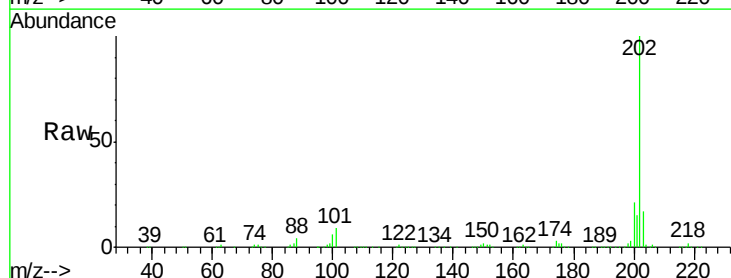
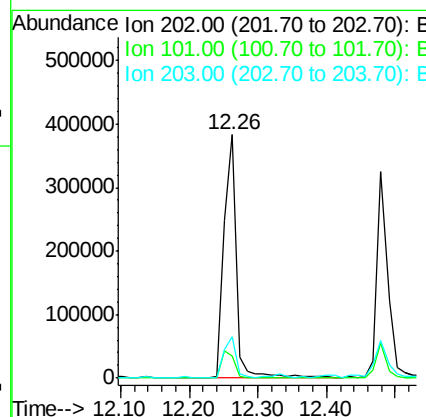
RT: 12.26 min Scan# 934

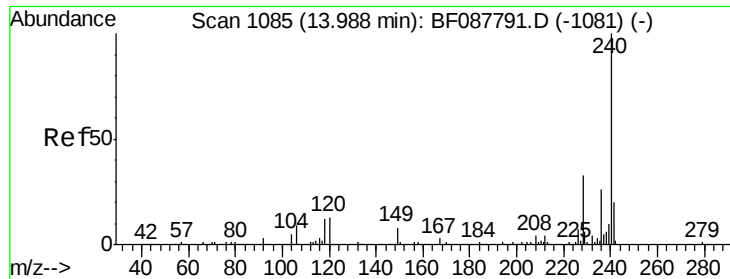
Delta R.T. -0.06 min

Lab File: BF088426.D

Acq: 26 Jun 2016 18:57

Tgt Ion:	202	Resp:	486394
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	33.1
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.07 min

Lab File: BF088426.D

Acq: 26 Jun 2016 18:57

Instrument :

BNA_F

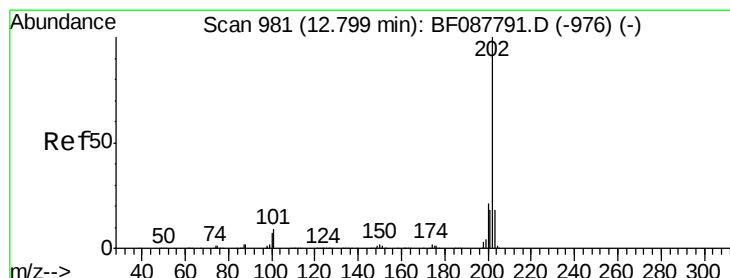
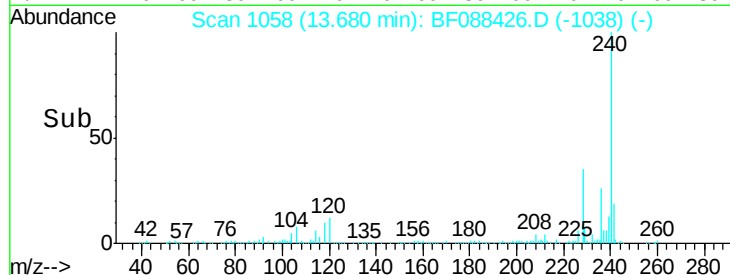
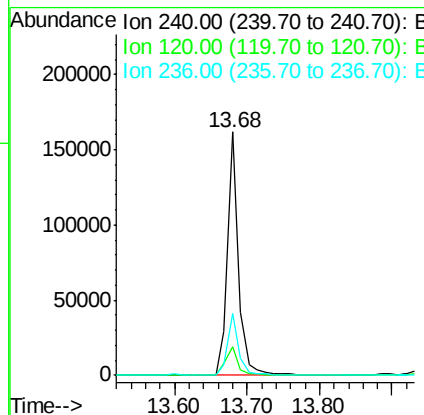
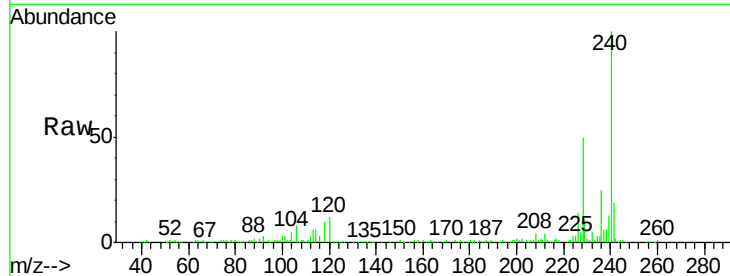
ClientSampleId :

TP-10

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.9	6.8	10.2#
236	25.5	20.2	30.2

Manual Integrations
APPROVED

sohil
6/27/2016 8:02:07 PM



#77

Pyrene

Concen: 26.73 ng

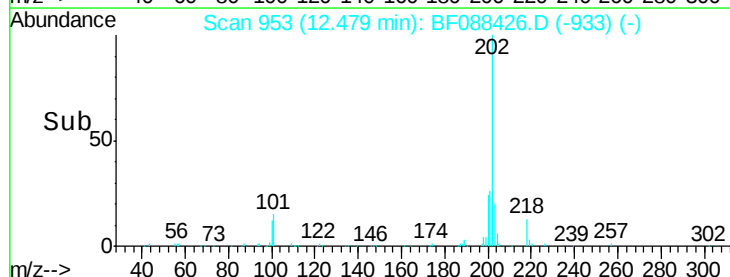
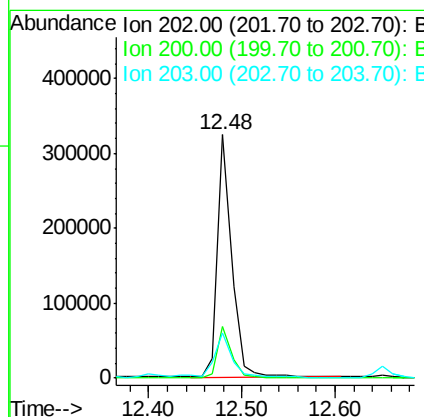
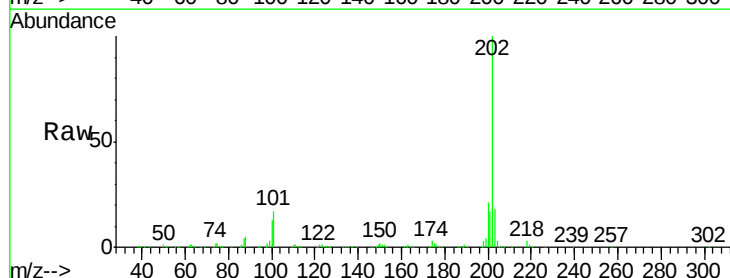
RT: 12.48 min Scan# 953

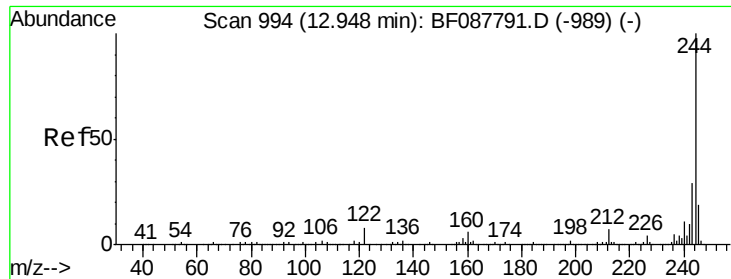
Delta R.T. -0.07 min

Lab File: BF088426.D

Acq: 26 Jun 2016 18:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.4	14.5	21.7





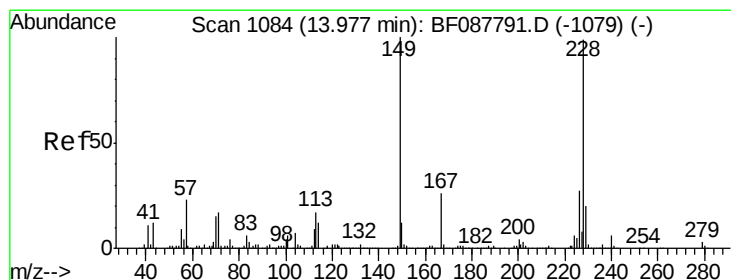
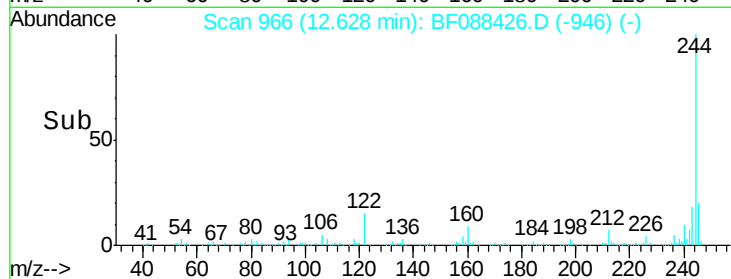
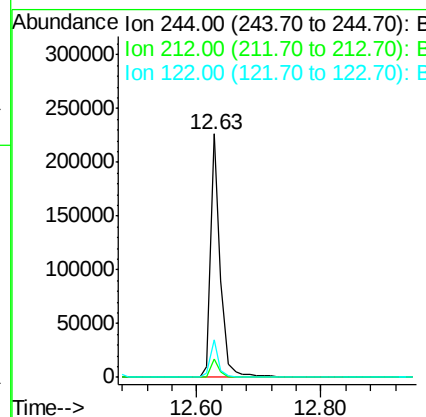
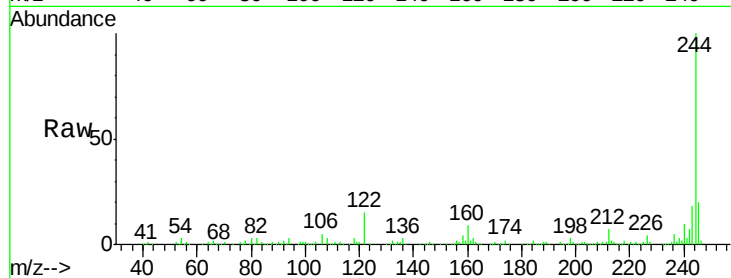
#78
 Terphenyl-d14
 Concen: 32.21 ng
 RT: 12.63 min Scan# 966
 Delta R.T. -0.07 min
 Lab File: BF088426.D
 Acq: 26 Jun 2016 18:57

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	15.2	11.2	16.8

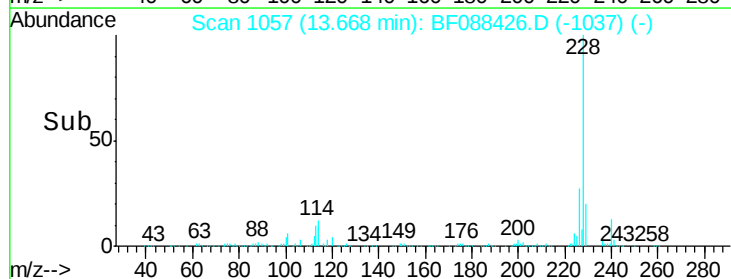
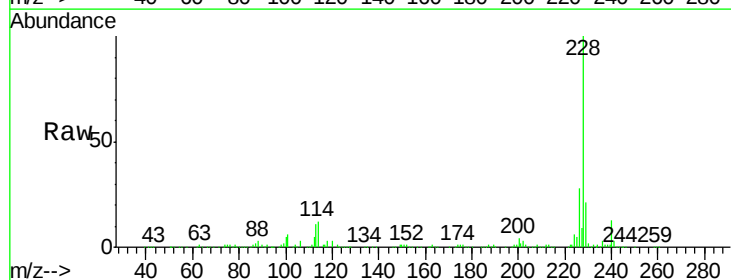
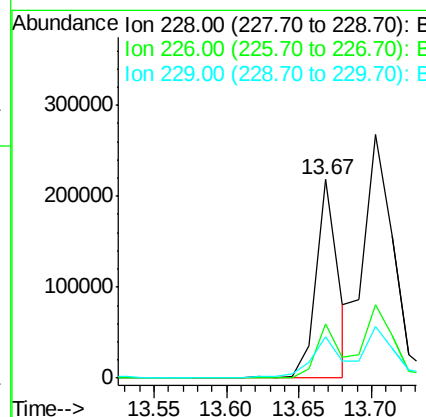
Manual Integrations
 APPROVED

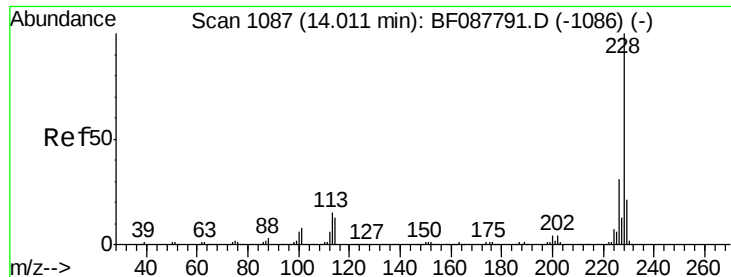
sohil
 6/27/2016 8:02:07 PM



#80
 Benzo(a)anthracene
 Concen: 23.31 ng
 RT: 13.67 min Scan# 1057
 Delta R.T. -0.07 min
 Lab File: BF088426.D
 Acq: 26 Jun 2016 18:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.3	33.5
229	20.9	16.0	24.0





#82

Chrysene

Concen: 41.13 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.07 min

Lab File: BF088426.D

Acq: 26 Jun 2016 18:57

Instrument :

BNA_F

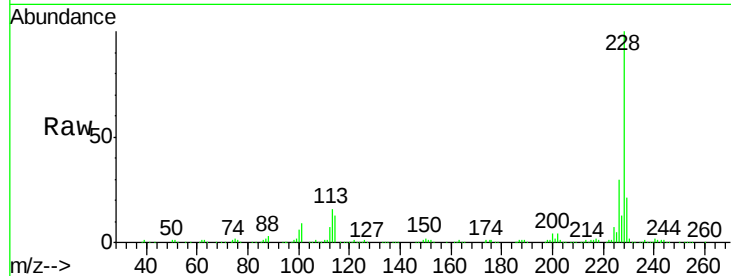
ClientSampled :

TP-10

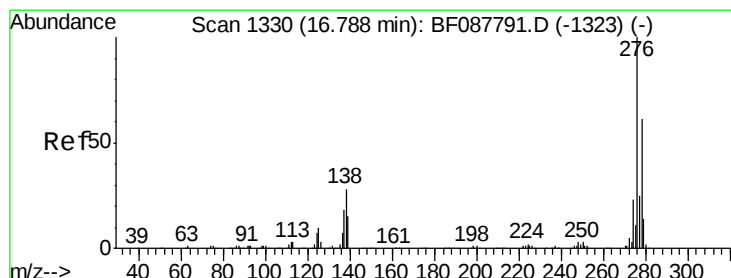
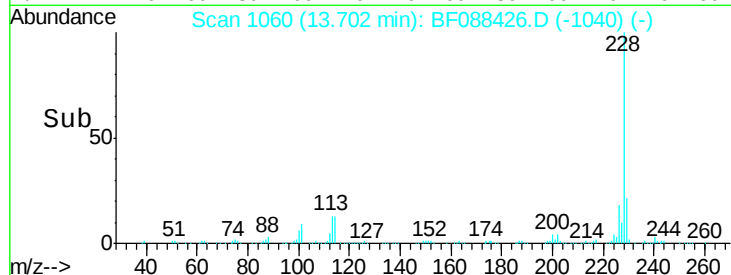
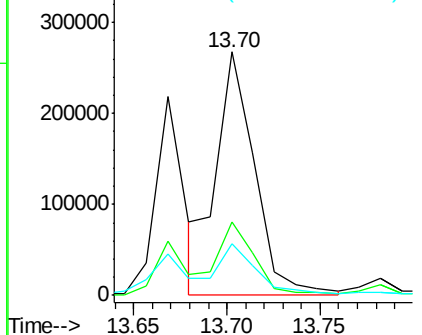
Tot Ion:	228	Resp:	382545
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.4	38.2
229	21.2	16.3	24.5

Manual Integrations
APPROVED

sohil
6/27/2016 8:02:07 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 20.20 ng

RT: 16.25 min Scan# 1283

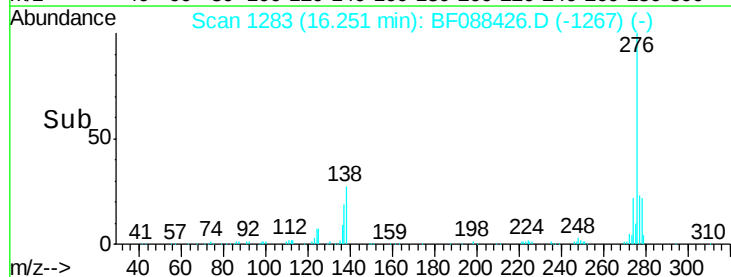
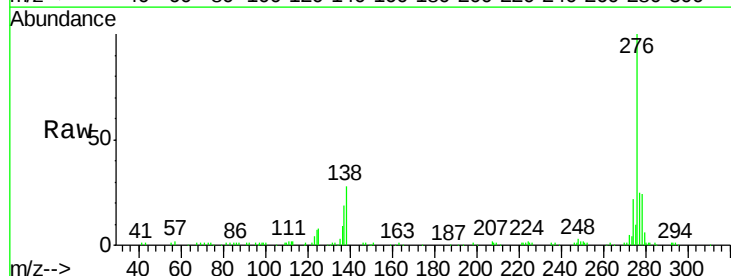
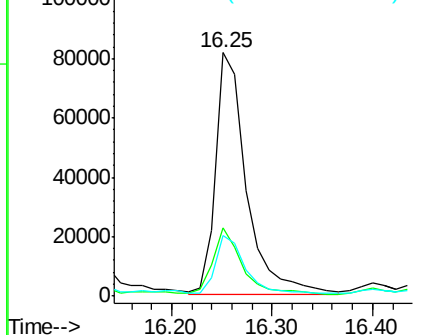
Delta R.T. -0.11 min

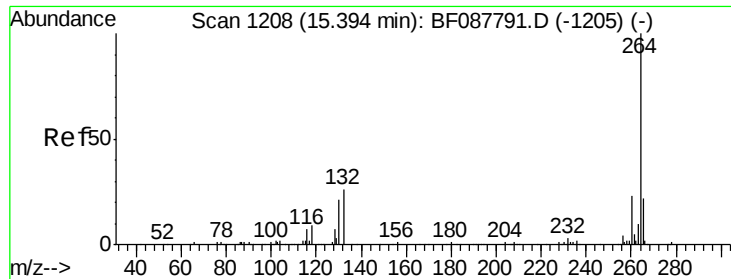
Lab File: BF088426.D

Acq: 26 Jun 2016 18:57

Tgt Ion:	276	Resp:	174521
Ion Ratio	Lower	Upper	
276	100		
138	26.6	0.0	0.0#
277	23.2	0.0	0.0#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





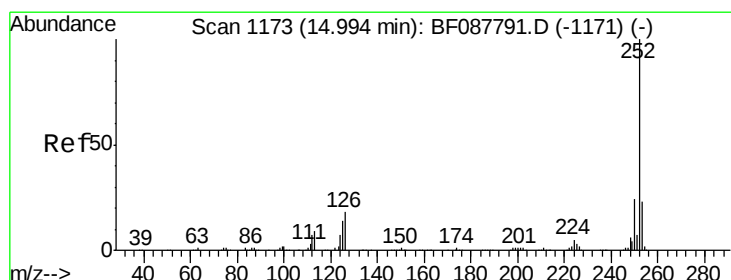
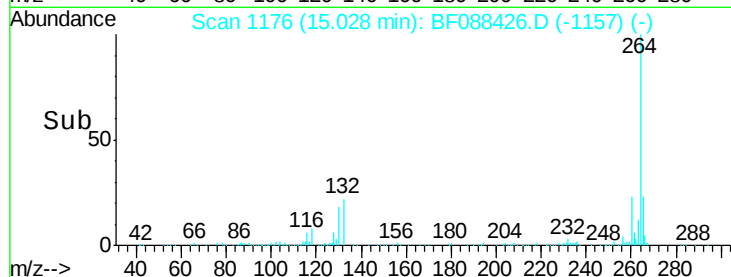
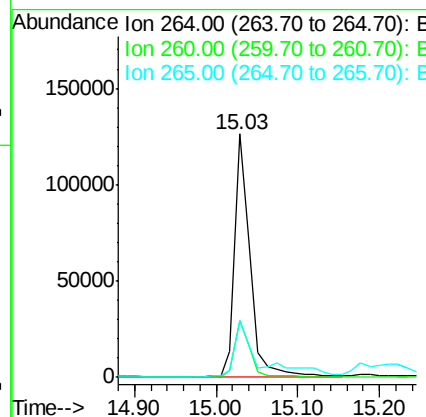
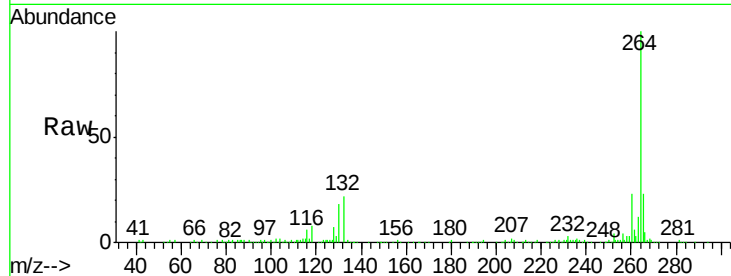
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.08 min
Lab File: BF088426.D
Acq: 26 Jun 2016 18:57

Instrument :
BNA_F
ClientSampleId :
TP-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	23.3	16.9	25.3

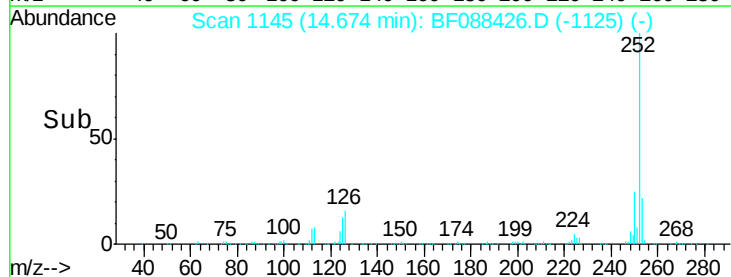
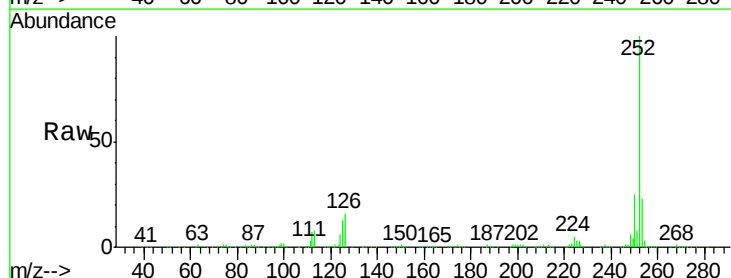
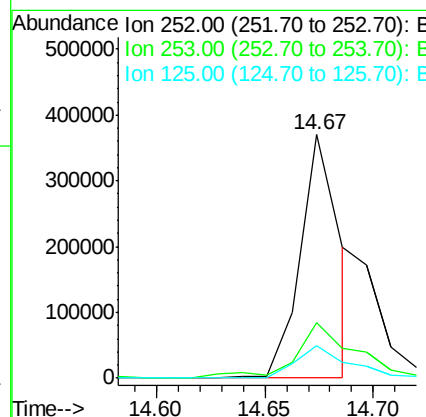
Manual Integrations
APPROVED

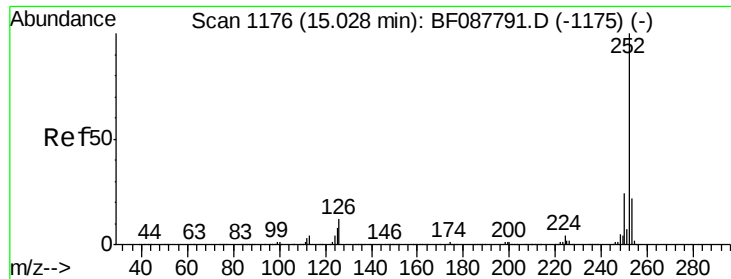
sohil
6/27/2016 8:02:07 PM



#87
Benzo(b)fluoranthene
Concen: 39.48 ng m
RT: 14.67 min Scan# 1145
Delta R.T. -0.07 min
Lab File: BF088426.D
Acq: 26 Jun 2016 18:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	13.3	7.1	10.7#





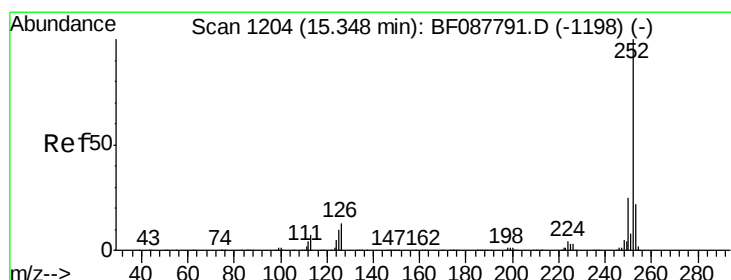
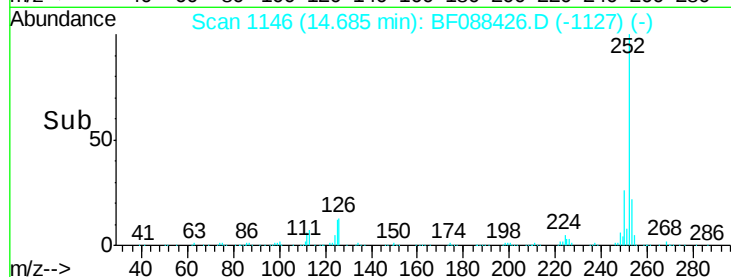
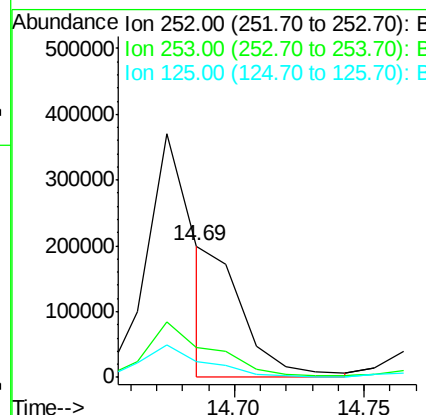
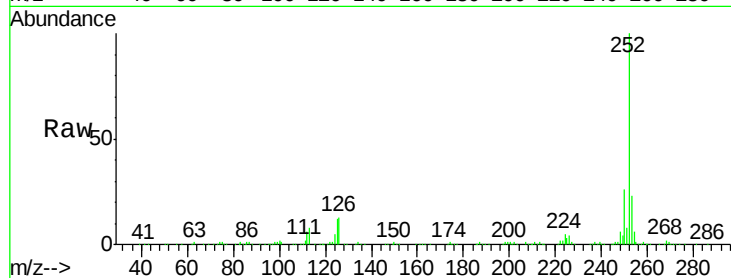
#88
Benzo(k)fluoranthene
Concen: 19.22 ng m
RT: 14.69 min Scan# 1146
Delta R.T. -0.08 min
Lab File: BF088426.D
Acq: 26 Jun 2016 18:57

Instrument :
BNA_F
ClientSampled :
TP-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	12.4	11.2	16.8

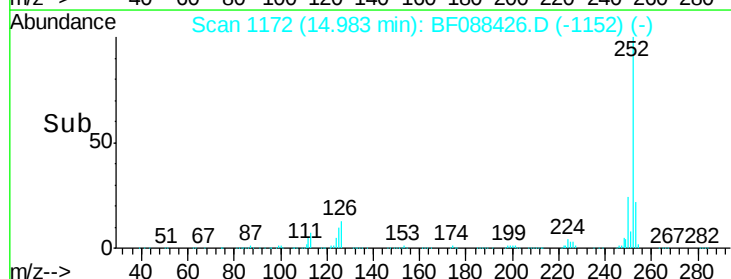
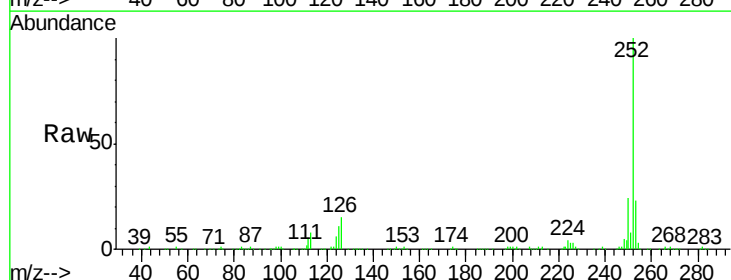
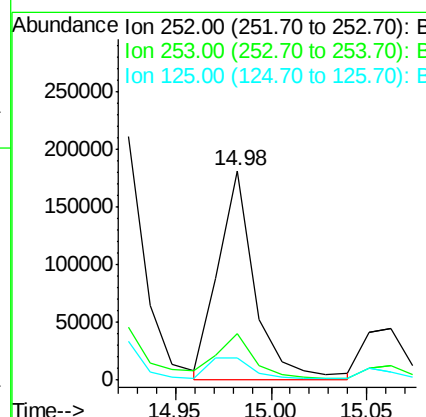
Manual Integrations
APPROVED

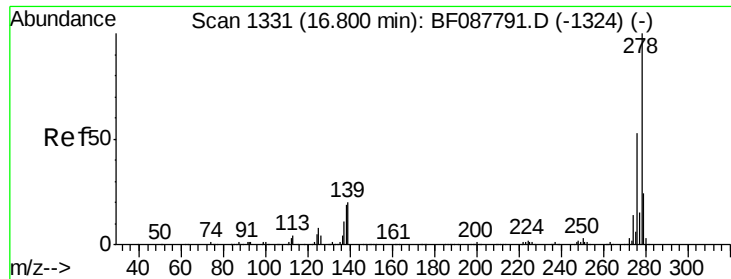
sohil
6/27/2016 8:02:07 PM



#89
Benzo(a)pyrene
Concen: 25.70 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.07 min
Lab File: BF088426.D
Acq: 26 Jun 2016 18:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	10.9	12.5	18.7#





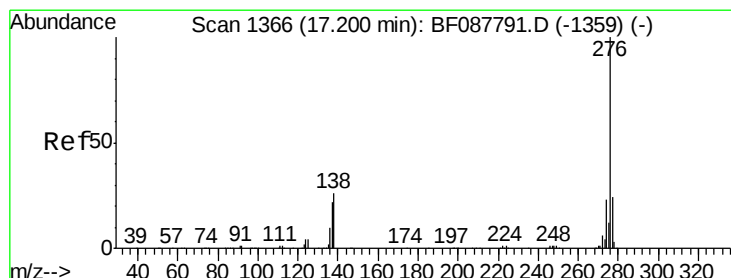
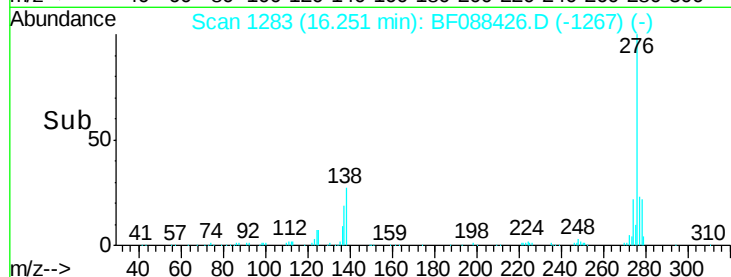
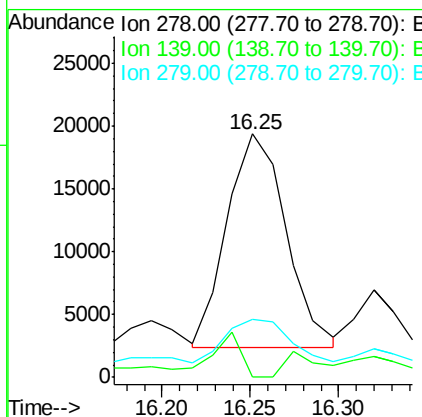
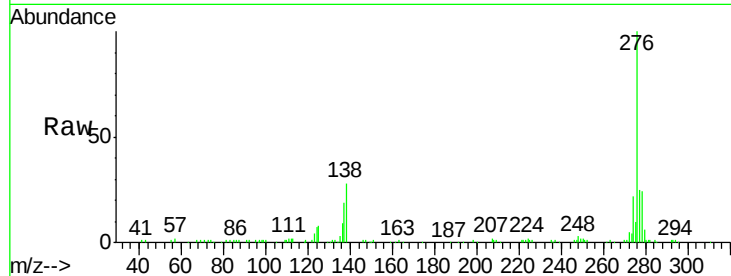
#90
Dibenzo(a,h)anthracene
Concen: 4.48 ng/mL
RT: 16.25 min Scan# 1283
Delta R.T. -0.11 min
Lab File: BF088426.D
Acq: 26 Jun 2016 18:57

Instrument :
BNA_F
ClientSampled :
TP-10

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	24.1	19.4	29.2

Manual Integrations
APPROVED

sohil
6/27/2016 8:02:07 PM



#91
Benzo(g,h,i)perylene
Concen: 18.07 ng/mL
RT: 16.62 min Scan# 1315
Delta R.T. -0.13 min
Lab File: BF088426.D
Acq: 26 Jun 2016 18:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.9	28.3
138	27.4	21.4	32.2

