

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
 Data File : BF087997.D
 Acq On : 14 Jun 2016 9:15
 Operator : UM/SJ
 Sample : H3395-01DL 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-928-PLATFORM(0-4)DL

Manual Integrations
 APPROVED

umangi
 6/14/2016 7:48:59 PM

Quant Time: Jun 14 19:23:40 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	125922	20.00	ng	0.01
21) Naphthalene-d8	8.08	136	482138	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	233284	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	350038	20.00	ng	0.01
75) Chrysene-d12	13.95	240	237842	20.00	ng	0.00
86) Perylene-d12	15.37	264	238385	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	459722	62.41	ng	0.00
7) Phenol-d6	6.43	99	636803	71.34	ng	0.00
23) Nitrobenzene-d5	7.36	82	345632	41.86	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	118780	48.22	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	645493	40.57	ng	0.00
78) Terphenyl-d14	12.90	244	368020	35.21	ng	0.00
Target Compounds						
48) Acenaphthylene	9.70	152	171836	7.16	ng	Qvalue 97
49) Dimethylphthalate	9.55	163	45254	2.68	ng	99
70) Phenanthrene	11.35	178	229967	12.52	ng	97
71) Anthracene	11.39	178	138454	7.47	ng	98
74) Fluoranthene	12.54	202	942938	48.64	ng	97
77) Pyrene	12.77	202	823340	46.65	ng	100
80) Benzo(a)anthracene	13.94	228	535970	39.54	ng	# 89
82) Chrysene	13.98	228	357132m	28.01	ng	
85) Indeno(1,2,3-cd)pyrene	16.73	276	212074	17.90	ng	# 100
87) Benzo(b)fluoranthene	14.97	252	579582m	34.88	ng	
88) Benzo(k)fluoranthene	14.98	252	242151m	19.32	ng	
89) Benzo(a)pyrene	15.31	252	360810	26.84	ng	97
90) Dibenzo(a,h)anthracene	16.73	278	51896m	4.16	ng	
91) Benzo(g,h,i)perylene	17.14	276	172531	13.43	ng	97

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

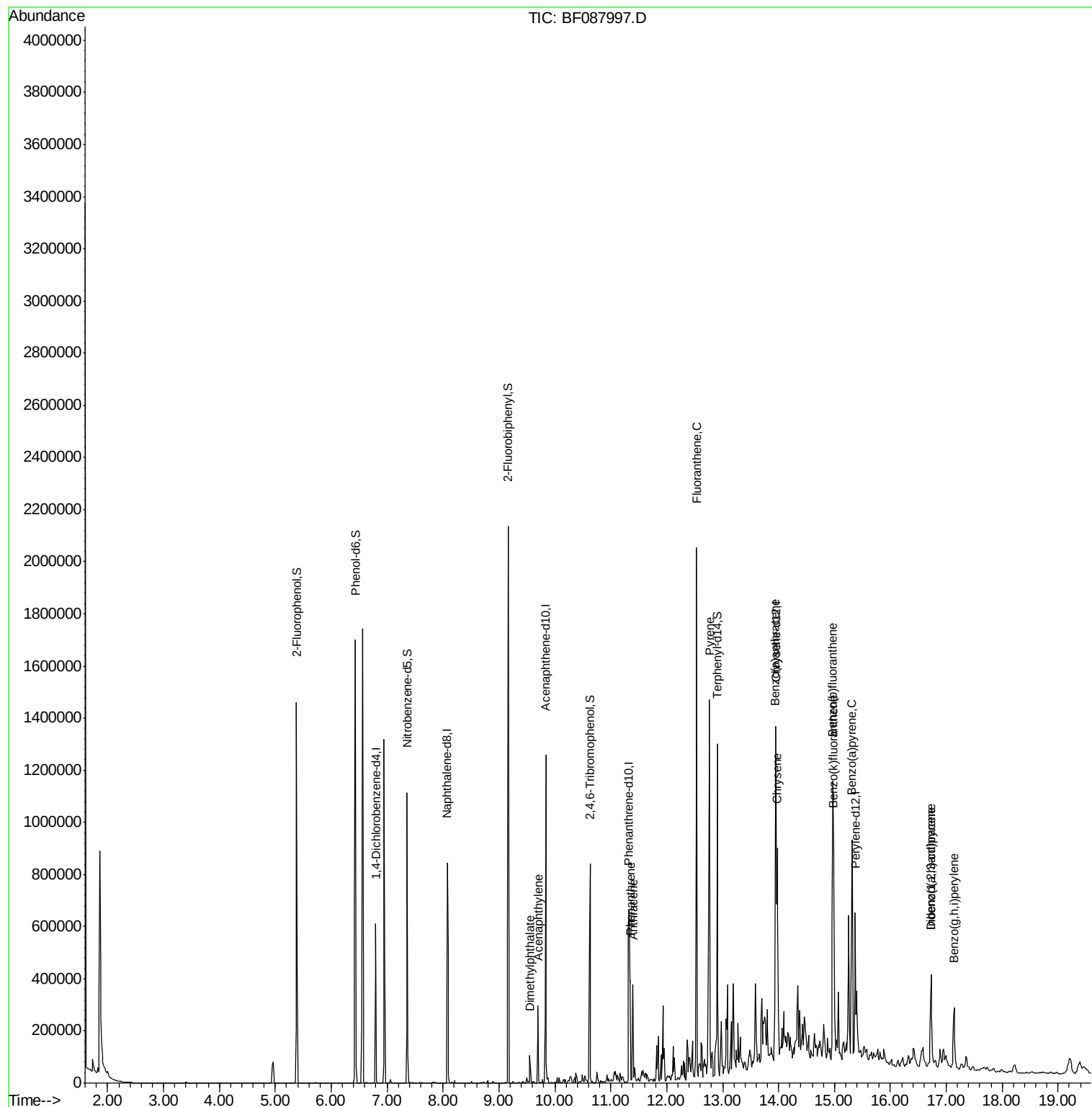
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
Data File : BF087997.D
Acq On : 14 Jun 2016 9:15
Operator : UM/SJ
Sample : H3395-01DL 2X
Misc :
ALS Vial : 36 Sample Multiplier: 1

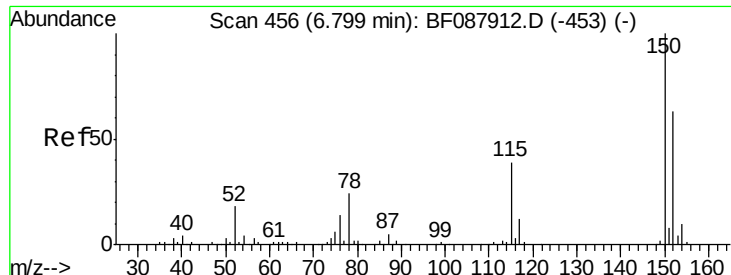
Instrument :
BNA_F
ClientSampleId :
STA-928-PLATFORM(0-4)DL

Manual Integrations
APPROVED

umangi
6/14/2016 7:48:59 PM

Quant Time: Jun 14 19:23:40 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 14:10:49 2016
Response via : Initial Calibration

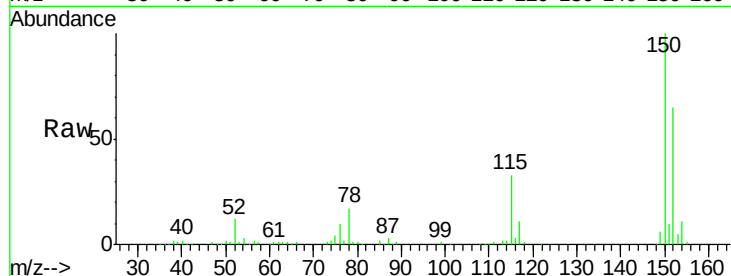




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF087997.D
Acq: 14 Jun 2016 9:15

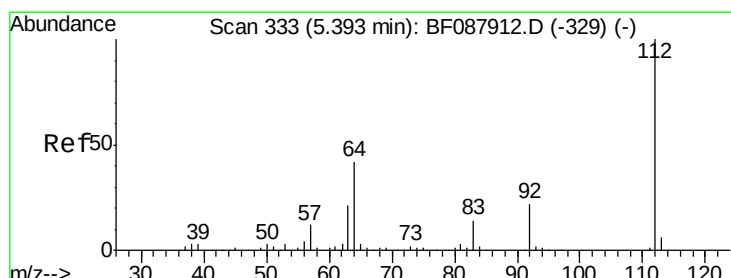
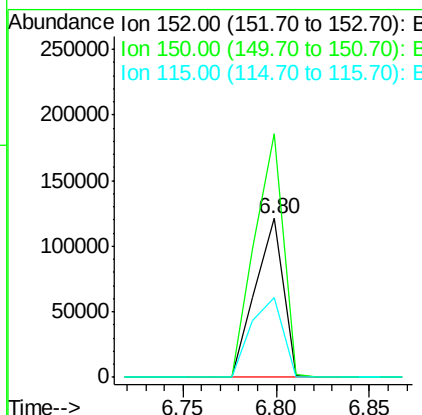
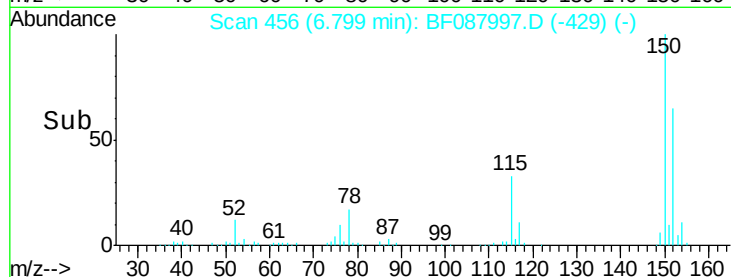
Instrument :
BNA_F
ClientSampleId :
STA-928-PLATFORM(0-4)DL



Tot Ion	Ratio	Resp	Lower	Upper
152	100	125922		
150	153.1	123.8	185.6	
115	50.3	39.6	59.4	

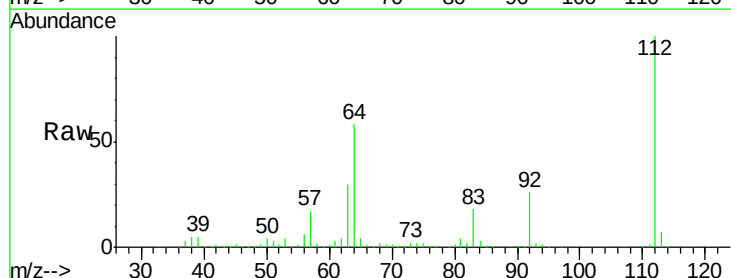
Manual Integrations
APPROVED

umangi
6/14/2016 7:48:59 PM

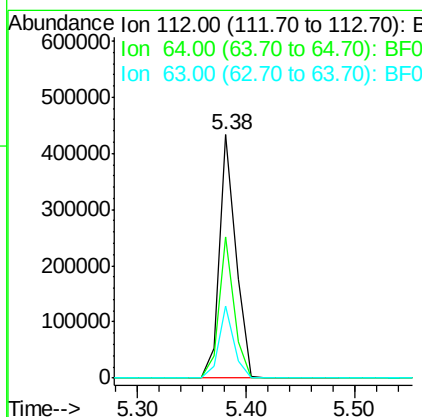
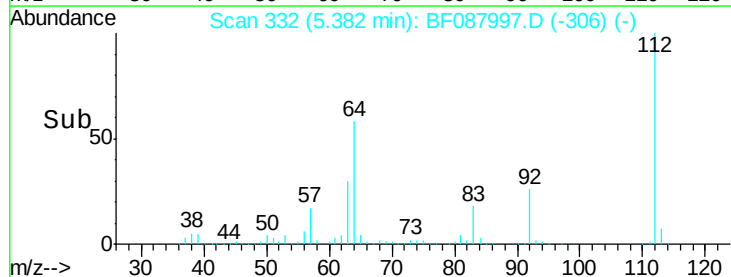


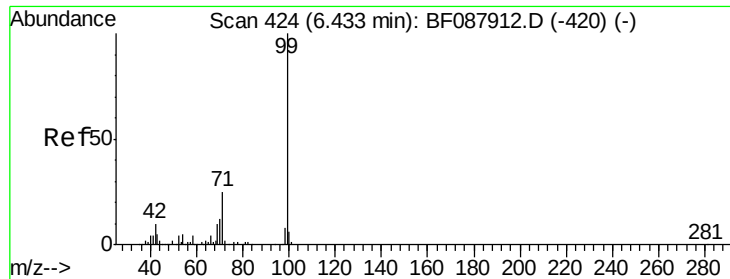
#5

2-Fluorophenol
Concen: 62.41 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.00 min
Lab File: BF087997.D
Acq: 14 Jun 2016 9:15



Tgt Ion	Ratio	Resp	Lower	Upper
112	100	459722		
64	58.2	42.2	63.2	
63	29.5	21.8	32.8	





#7

Phenol-d6

Concen: 71.34 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF087997.D

Acq: 14 Jun 2016 9:15

Instrument :

BNA_F

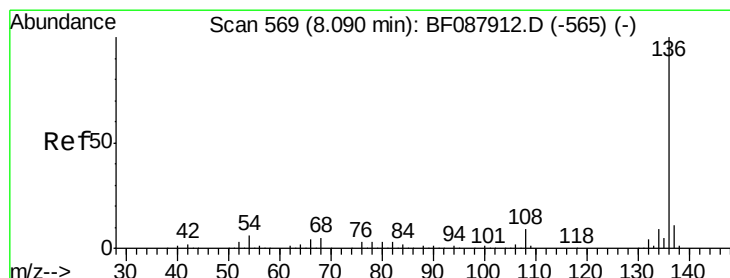
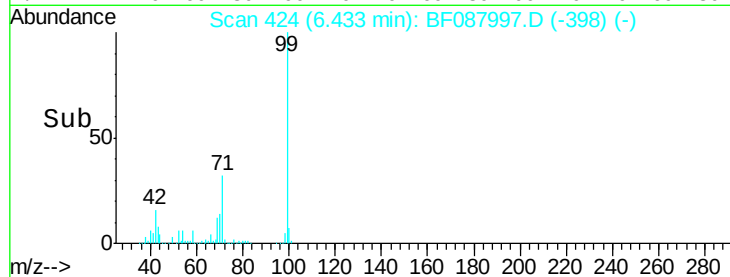
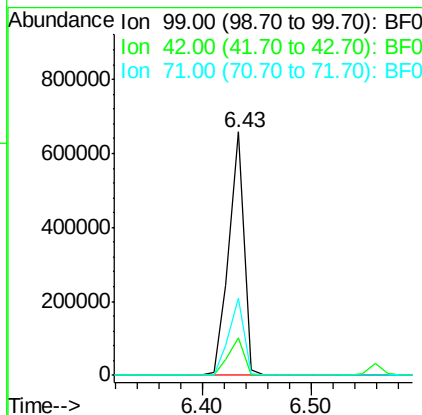
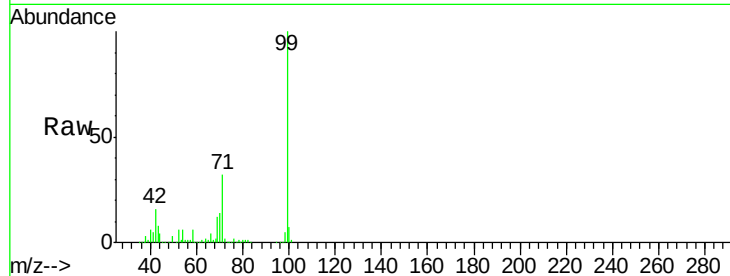
ClientSampleId :

STA-928-PLATFORM(0-4)DL

Tot Ion:	99	Resp:	636803
Ion Ratio	Lower	Upper	
99	100		
42	15.6	12.2	18.2
71	31.6	23.4	35.0

Manual Integrations
APPROVED

umangi
6/14/2016 7:48:59 PM



#21

Naphthalene-d8

Concen: 20.00 ng

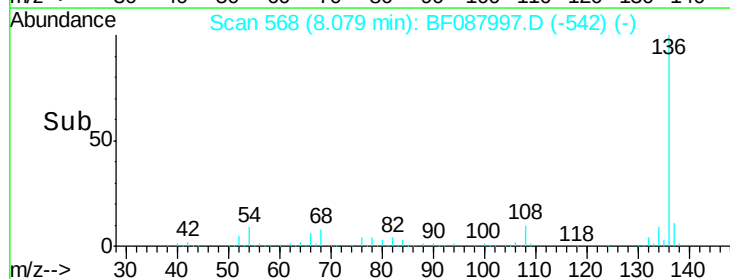
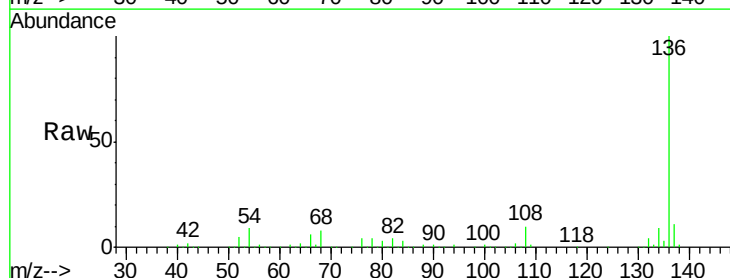
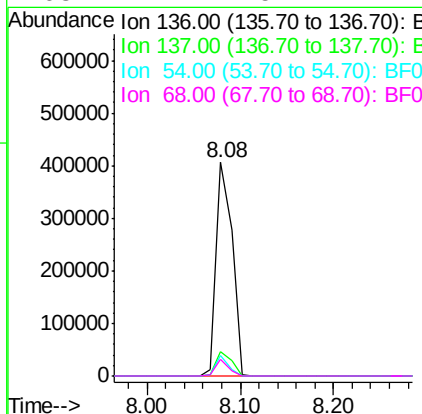
RT: 8.08 min Scan# 568

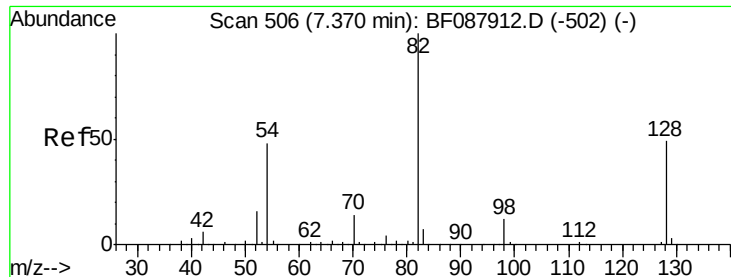
Delta R.T. -0.00 min

Lab File: BF087997.D

Acq: 14 Jun 2016 9:15

Tgt Ion:	136	Resp:	482138
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.1	13.7
54	9.4	6.6	10.0
68	7.7	5.1	7.7#





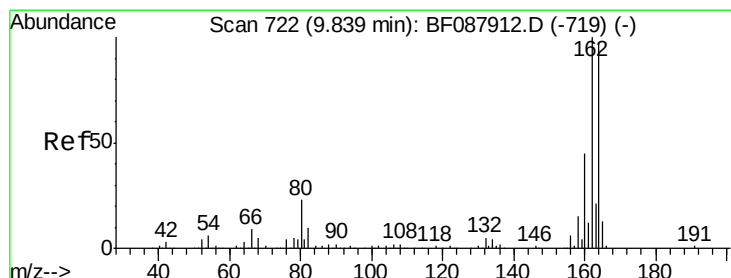
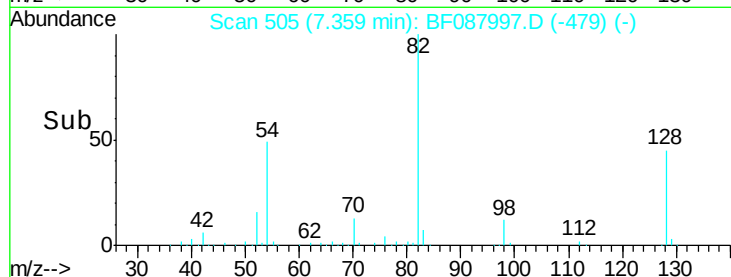
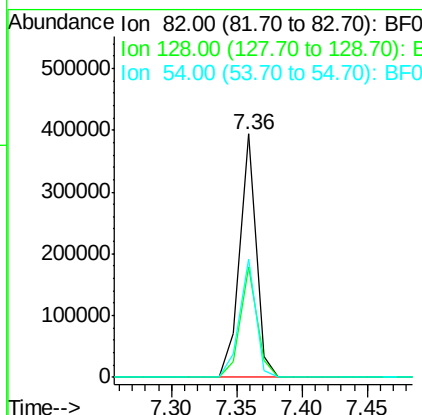
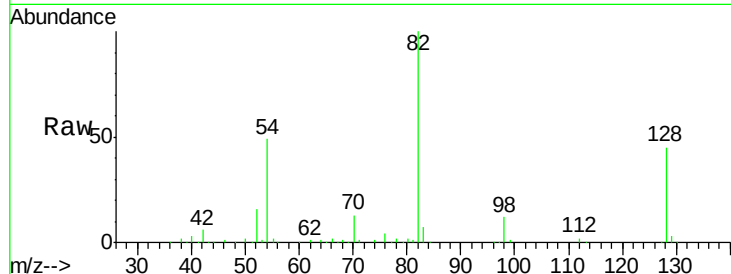
#23
 Nitrobenzene-d5
 Concen: 41.86 ng
 RT: 7.36 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: BF087997.D
 Acq: 14 Jun 2016 9:15

Instrument :
 BNA_F
 ClientSampleId :
 STA-928-PLATFORM(0-4)DL

Tot Ion:	82	Resp:	345632
Ion Ratio	Lower	Upper	
82	100		
128	45.1	35.9	53.9
54	48.6	40.9	61.3

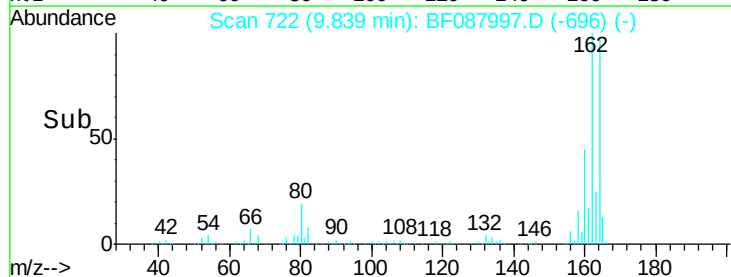
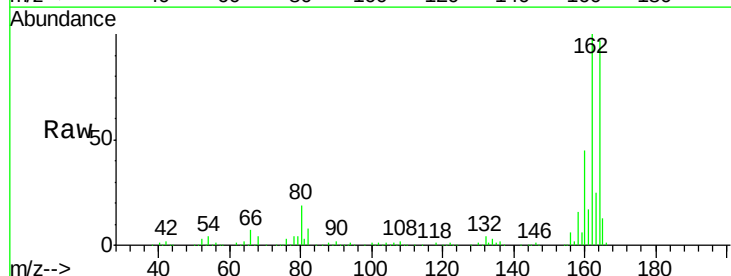
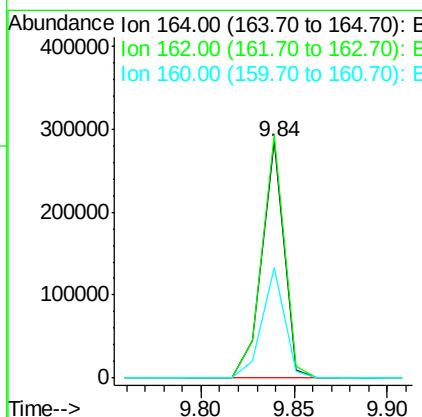
Manual Integrations
 APPROVED

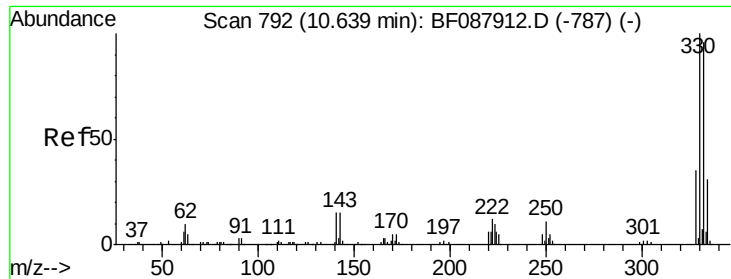
umangi
 6/14/2016 7:48:59 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: BF087997.D
 Acq: 14 Jun 2016 9:15

Tgt Ion:	164	Resp:	233284
Ion Ratio	Lower	Upper	
164	100		
162	102.9	85.4	128.2
160	46.6	39.5	59.3





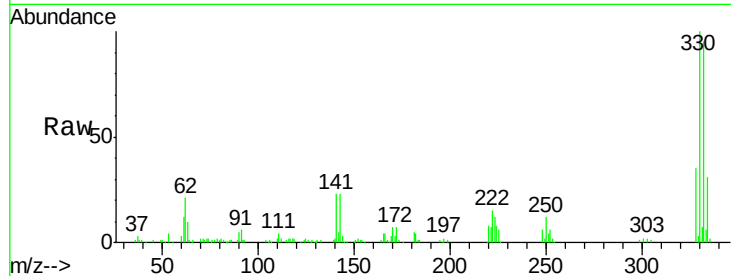
#41
 2,4,6-Tribromophenol
 Concen: 48.22 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: BF087997.D
 Acq: 14 Jun 2016 9:15

Instrument :
 BNA_F
 ClientSampleId :
 STA-928-PLATFORM(0-4)DL

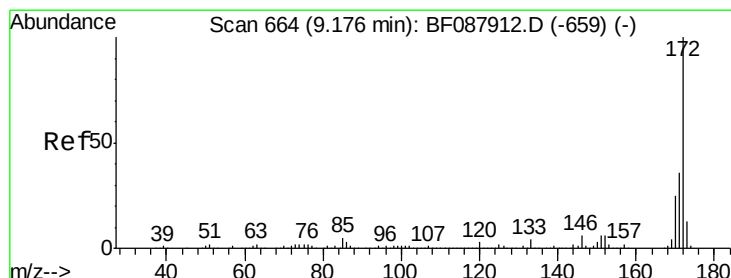
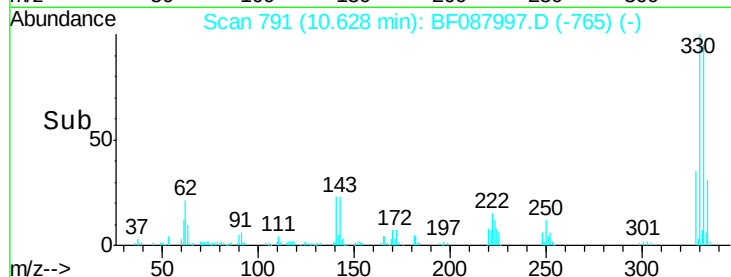
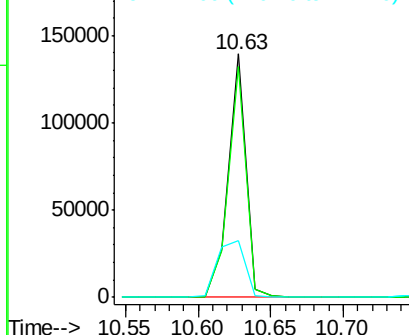
Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	95.1	0.0	0.0#
141	36.6	0.0	0.0#

Manual Integrations
 APPROVED

umangi
 6/14/2016 7:48:59 PM

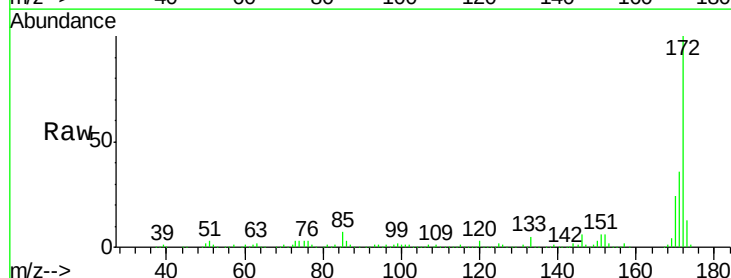


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

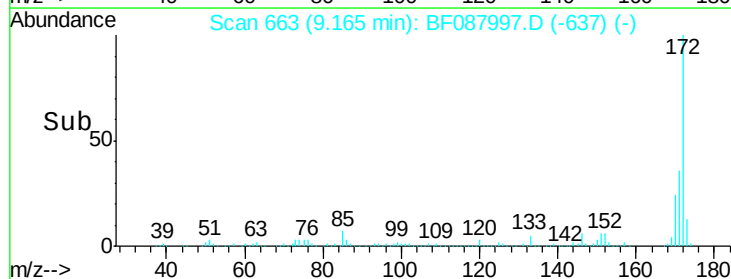
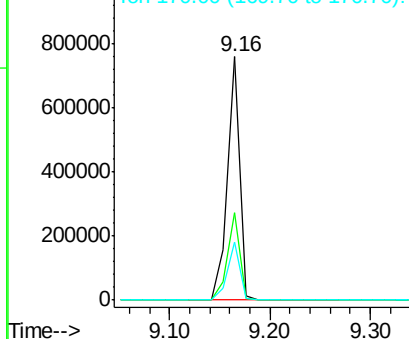


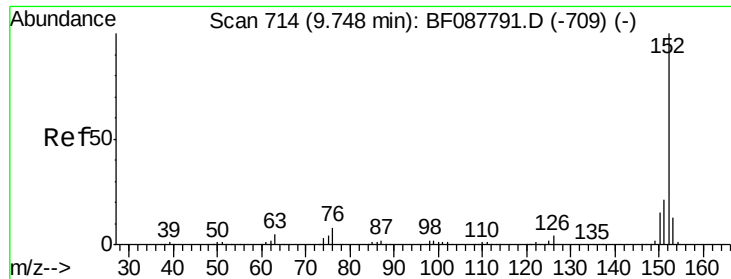
#44
 2-Fluorobiphenyl
 Concen: 40.57 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF087997.D
 Acq: 14 Jun 2016 9:15

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.9	19.2	28.8



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





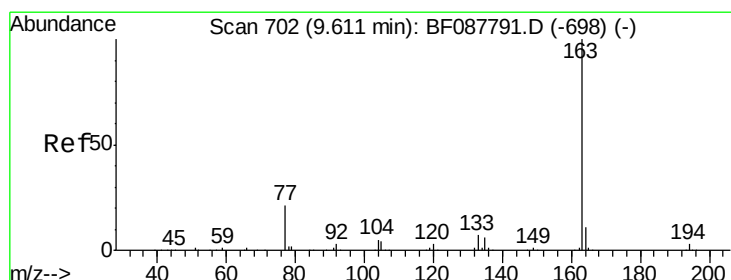
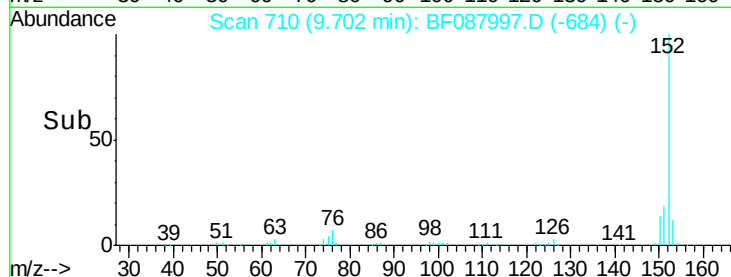
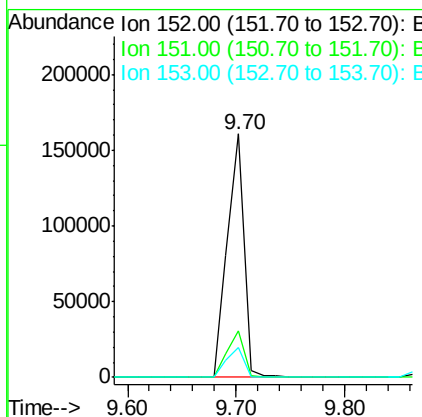
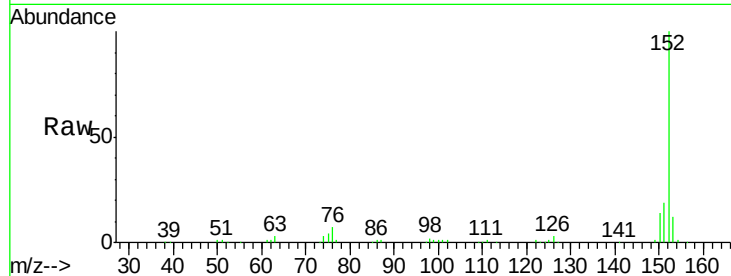
#48
Acenaphthylene
Concen: 7.16 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.00 min
Lab File: BF087997.D
Acq: 14 Jun 2016 9:15

Instrument :
BNA_F
ClientSampleId :
STA-928-PLATFORM(0-4)DL

Tot Ion:	152	Resp:	171836
Ion Ratio	Lower	Upper	
152	100		
151	19.0	16.2	24.4
153	12.3	11.0	16.6

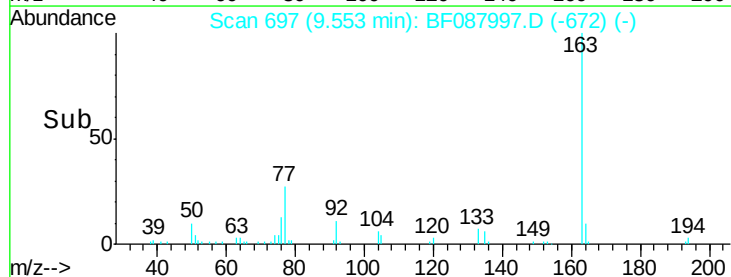
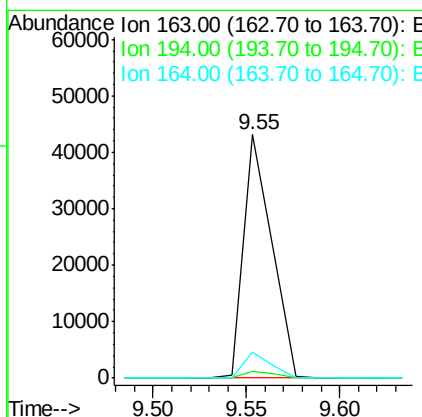
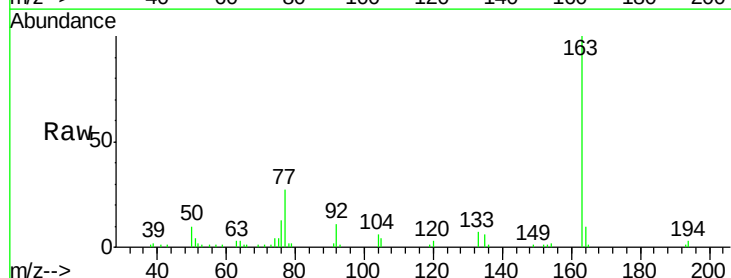
Manual Integrations
APPROVED

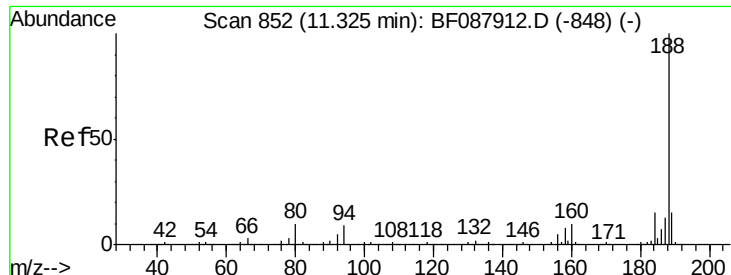
umangi
6/14/2016 7:48:59 PM



#49
Dimethylphthalate
Concen: 2.68 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.01 min
Lab File: BF087997.D
Acq: 14 Jun 2016 9:15

Tgt Ion:	163	Resp:	45254
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.8	4.2
164	10.4	8.3	12.5





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. 0.01 min

Lab File: BF087997.D

Acq: 14 Jun 2016 9:15

Instrument :

BNA_F

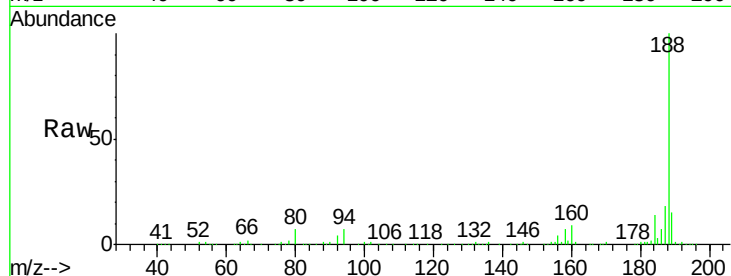
ClientSampleId :

STA-928-PLATFORM(0-4)DL

Tot Ion:	188	Resp:	350038
Ion Ratio	Lower	Upper	
188	100		
94	6.7	9.0	13.6#
80	6.6	10.0	15.0#

Manual Integrations
APPROVED

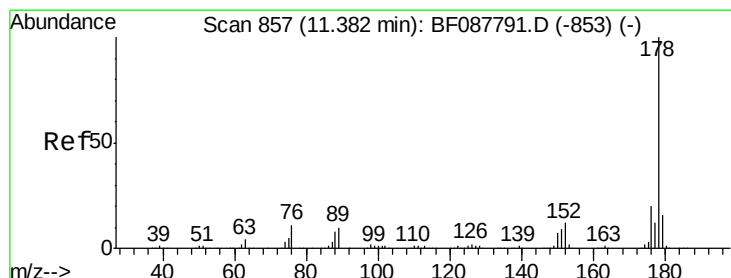
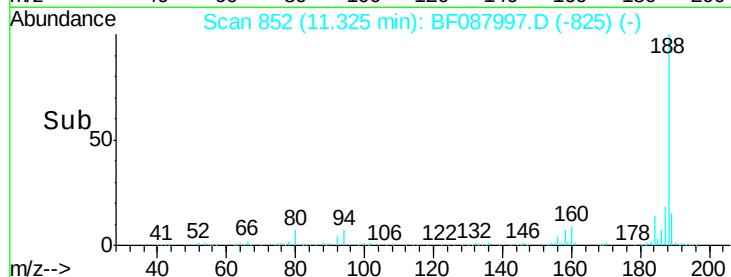
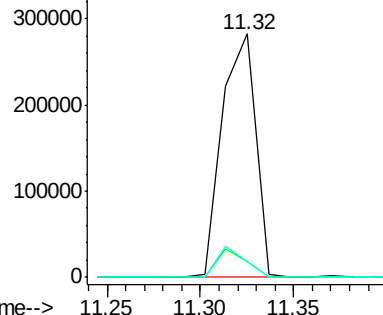
umangi
6/14/2016 7:48:59 PM



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



#70

Phenanthrene

Concen: 12.52 ng

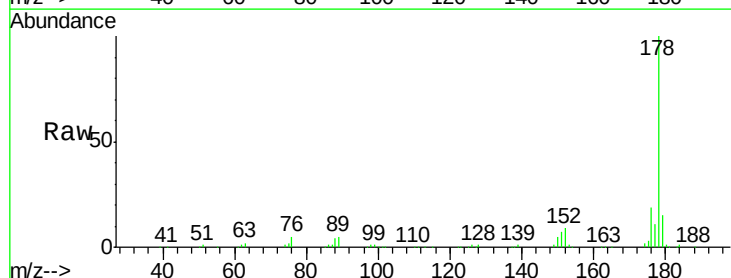
RT: 11.35 min Scan# 854

Delta R.T. -0.00 min

Lab File: BF087997.D

Acq: 14 Jun 2016 9:15

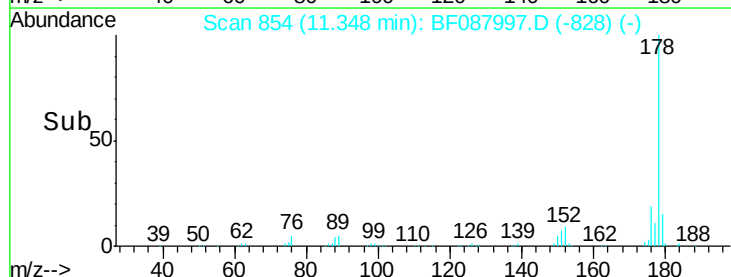
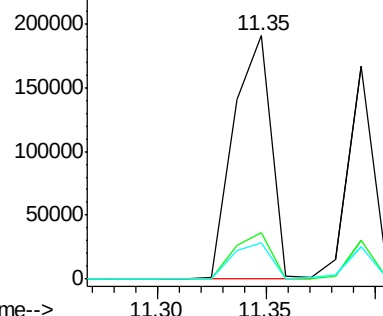
Tgt Ion:	178	Resp:	229967
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.8	23.6
179	14.7	13.0	19.4

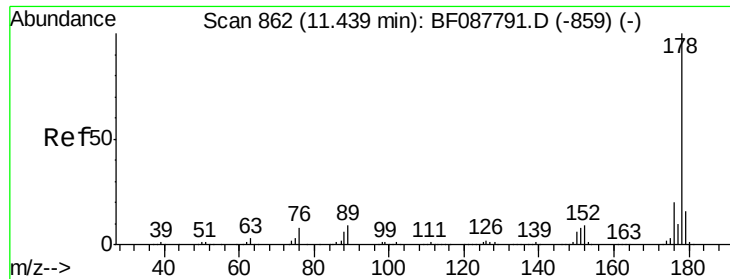


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





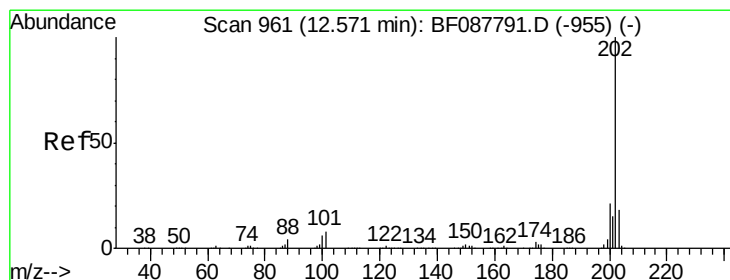
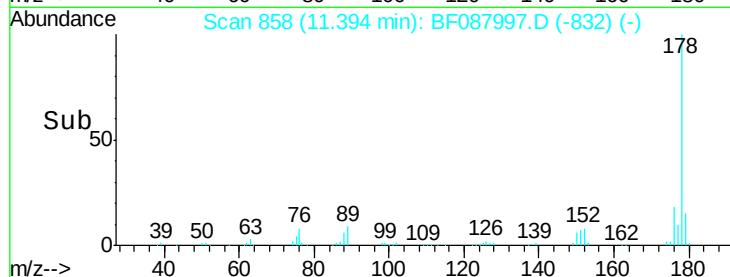
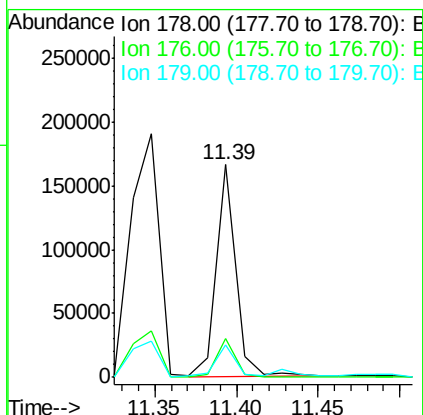
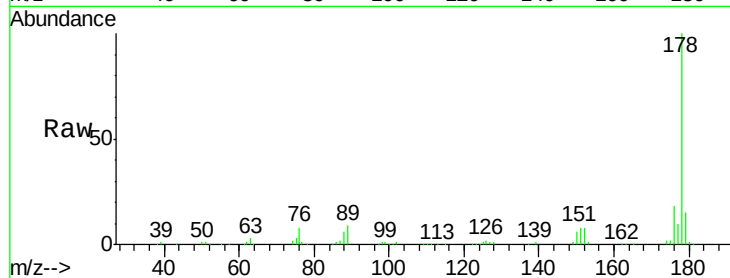
#71
 Anthracene
 Concen: 7.47 ng
 RT: 11.39 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: BF087997.D
 Acq: 14 Jun 2016 9:15

Instrument :
 BNA_F
 ClientSampleId :
 STA-928-PLATFORM(0-4)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	15.1	12.8	19.2

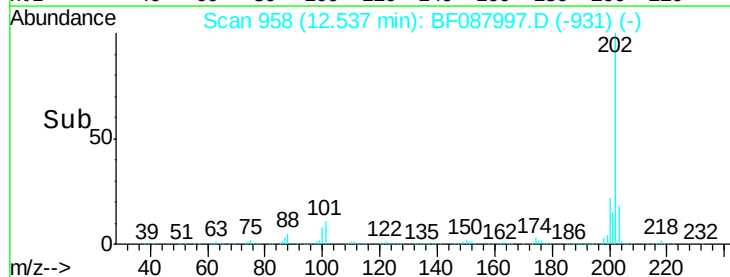
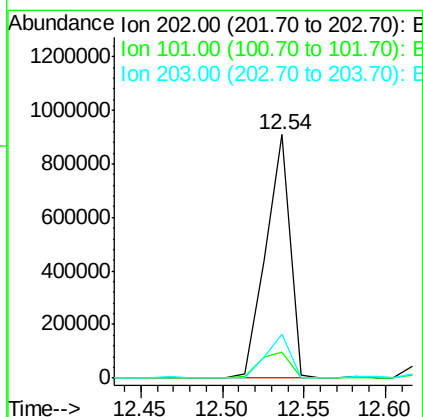
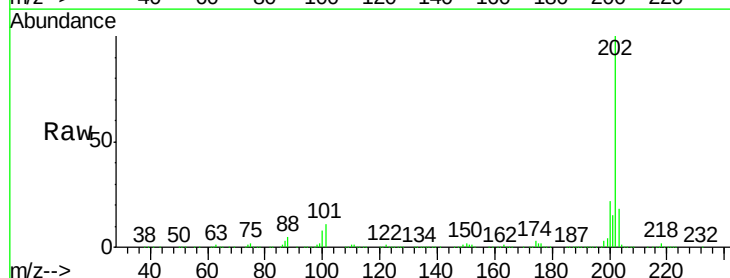
Manual Integrations
 APPROVED

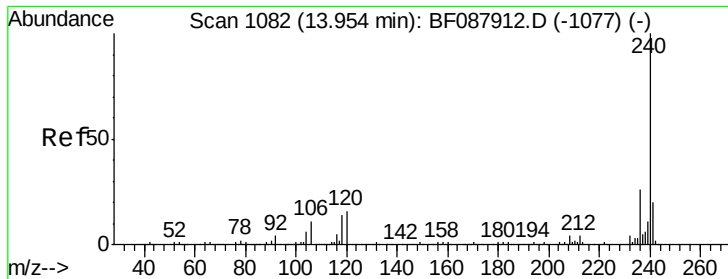
umangi
 6/14/2016 7:48:59 PM



#74
 Fluoranthene
 Concen: 48.64 ng
 RT: 12.54 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: BF087997.D
 Acq: 14 Jun 2016 9:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	33.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BF087997.D

Acq: 14 Jun 2016 9:15

Instrument :

BNA_F

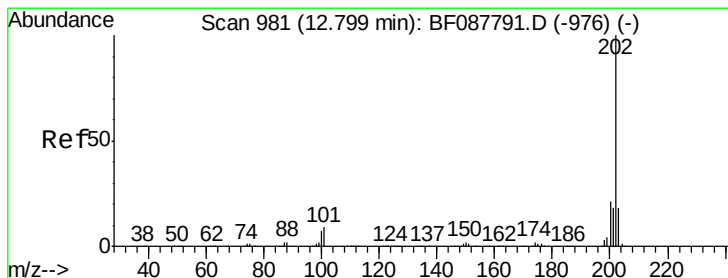
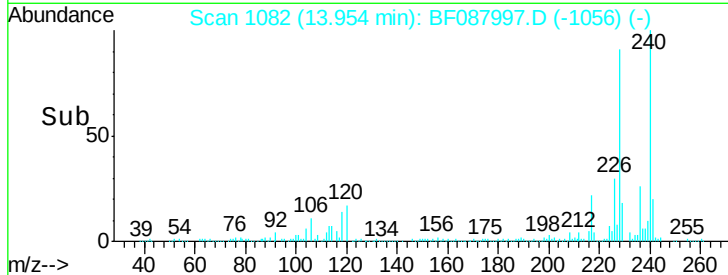
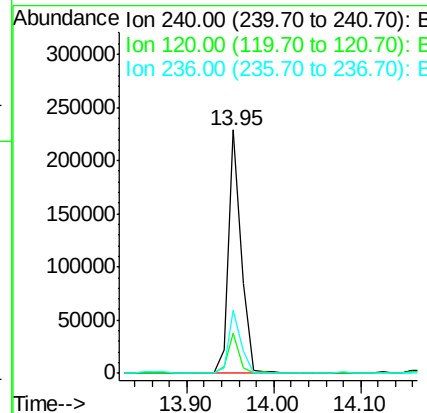
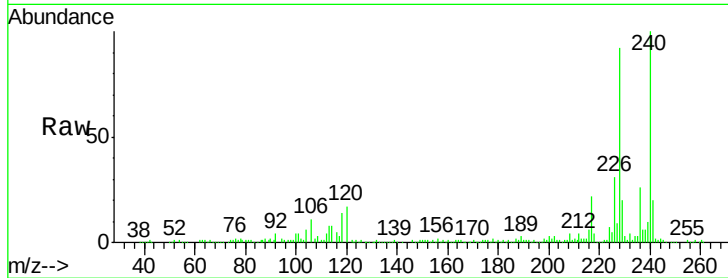
ClientSampleId :

STA-928-PLATFORM(0-4)DL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	237842		
120	16.5	6.8	10.2	#
236	26.0	20.2	30.2	

Manual Integrations
APPROVED

umangi
6/14/2016 7:48:59 PM



#77

Pyrene

Concen: 46.65 ng

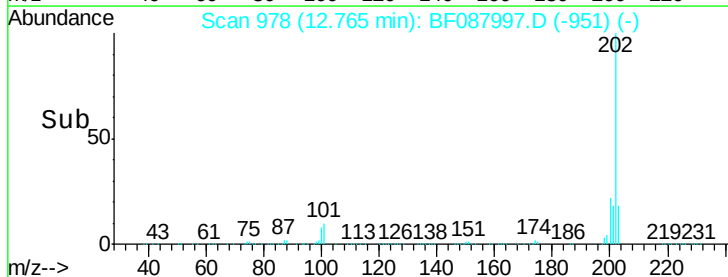
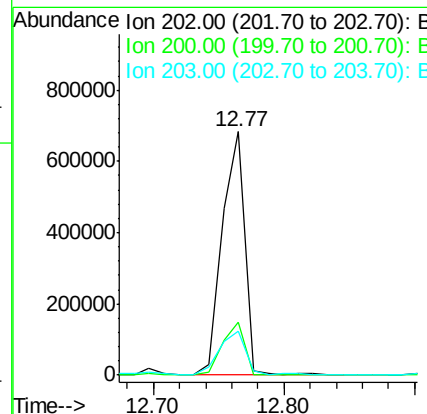
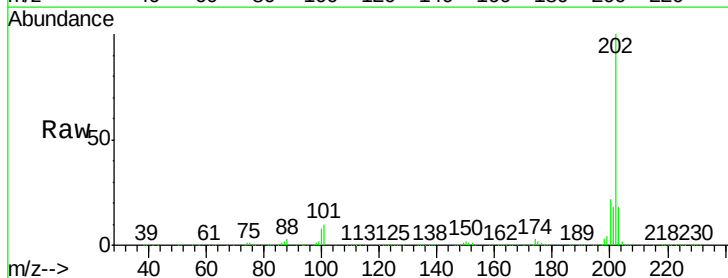
RT: 12.77 min Scan# 978

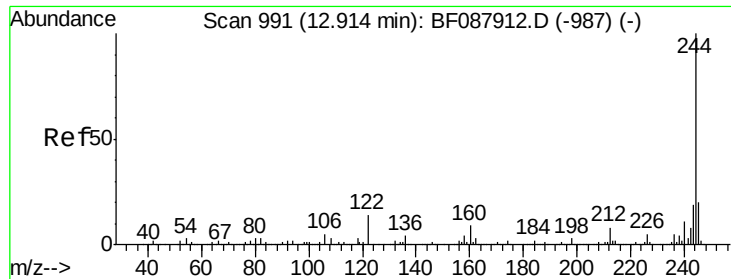
Delta R.T. 0.01 min

Lab File: BF087997.D

Acq: 14 Jun 2016 9:15

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	823340		
200	21.6	17.4	26.2	
203	17.9	14.5	21.7	





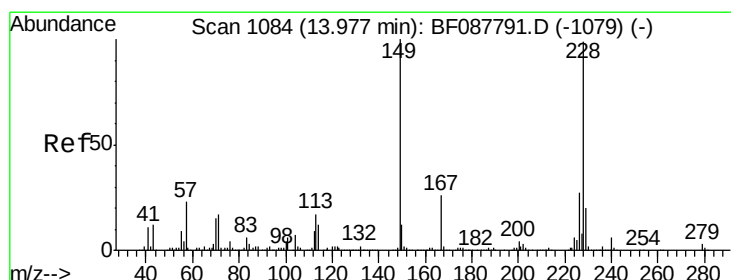
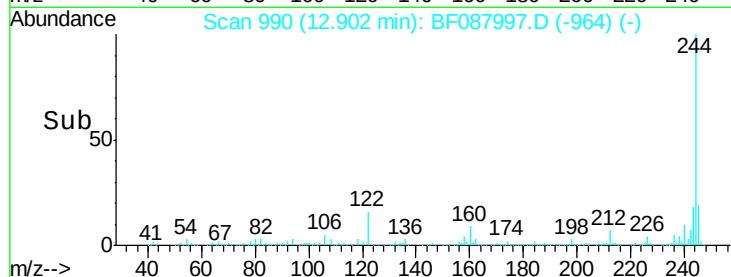
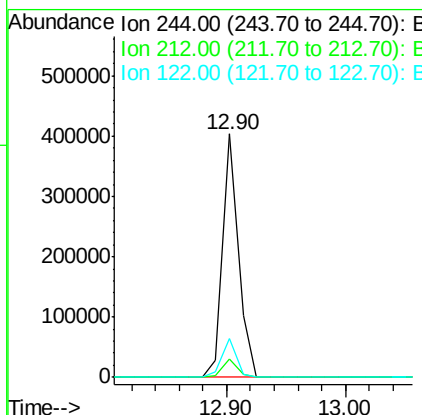
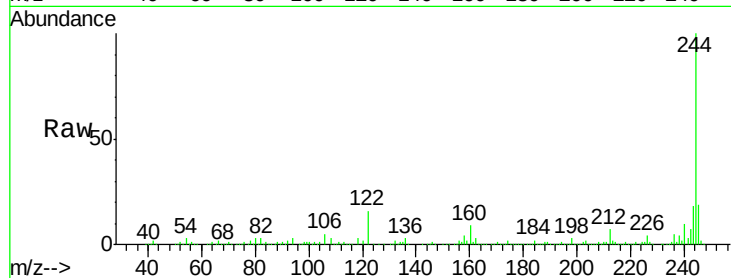
#78
 Terphenyl-d14
 Concen: 35.21 ng
 RT: 12.90 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: BF087997.D
 Acq: 14 Jun 2016 9:15

Instrument :
 BNA_F
 ClientSampleId :
 STA-928-PLATFORM(0-4)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	16.0	11.2	16.8

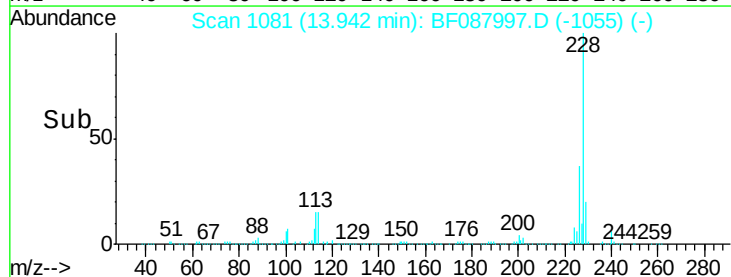
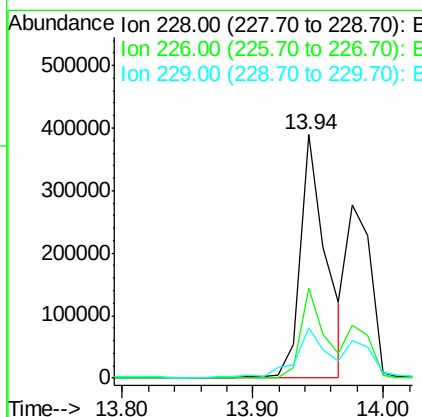
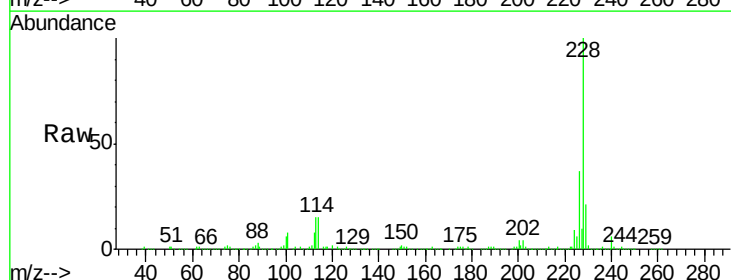
Manual Integrations
 APPROVED

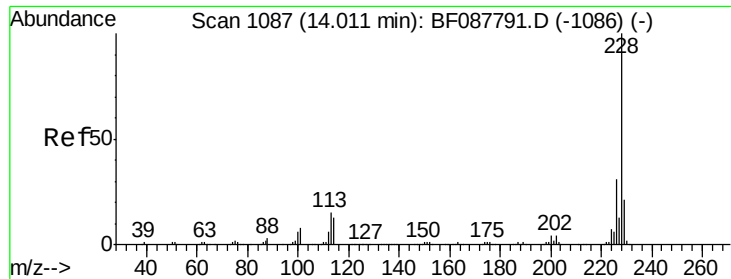
umangi
 6/14/2016 7:48:59 PM



#80
 Benzo(a)anthracene
 Concen: 39.54 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: BF087997.D
 Acq: 14 Jun 2016 9:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.2	22.3	33.5#
229	20.7	16.0	24.0





#82

Chrysene

Concen: 28.01 ng/mL

RT: 13.98 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF087997.D

Acq: 14 Jun 2016 9:15

Instrument :

BNA_F

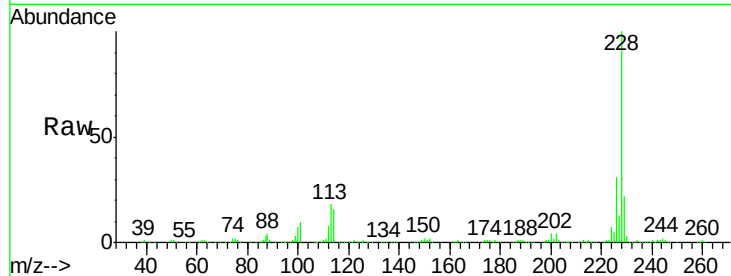
ClientSampleId :

STA-928-PLATFORM(0-4)DL

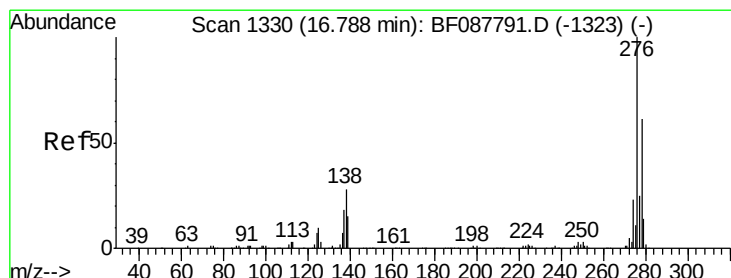
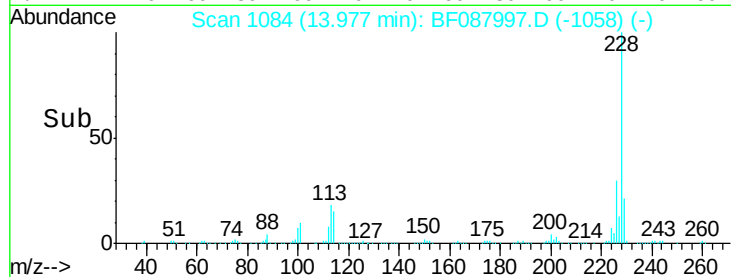
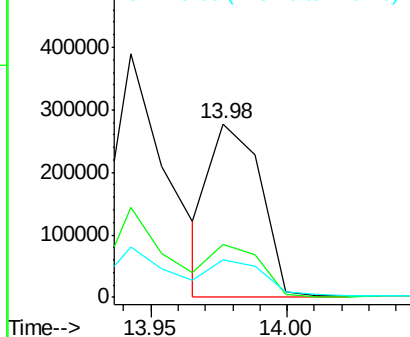
Tot Ion:	228	Resp:	357132
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.4	38.2
229	21.9	16.3	24.5

Manual Integrations
APPROVED

umangi
6/14/2016 7:48:59 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: 17.90 ng/mL

RT: 16.73 min Scan# 1325

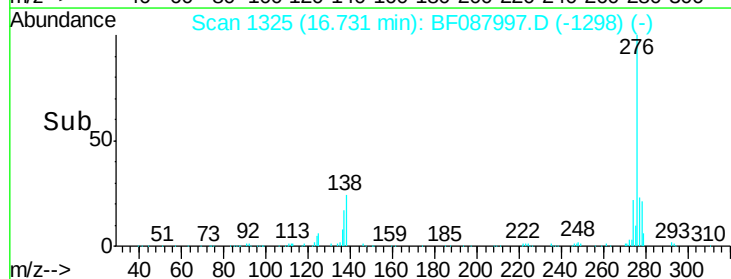
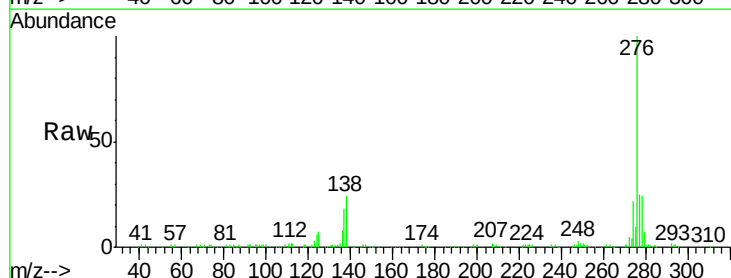
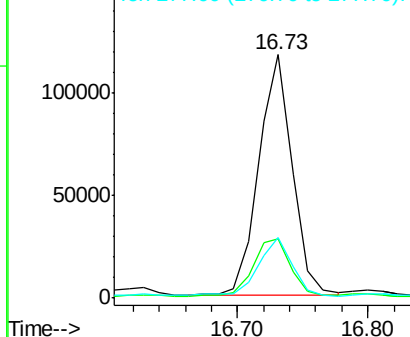
Delta R.T. 0.01 min

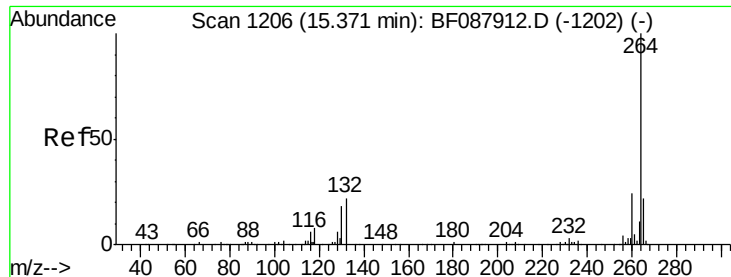
Lab File: BF087997.D

Acq: 14 Jun 2016 9:15

Tgt Ion:	276	Resp:	212074
Ion Ratio	Lower	Upper	
276	100		
138	26.5	0.0	0.0#
277	25.0	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





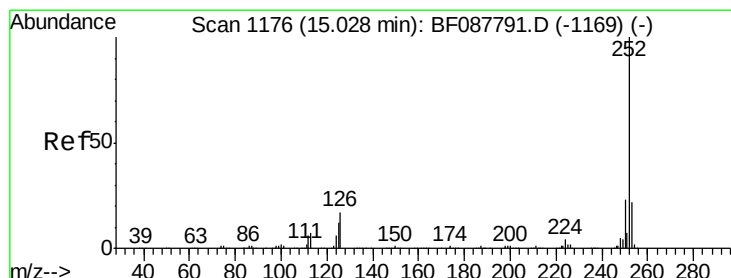
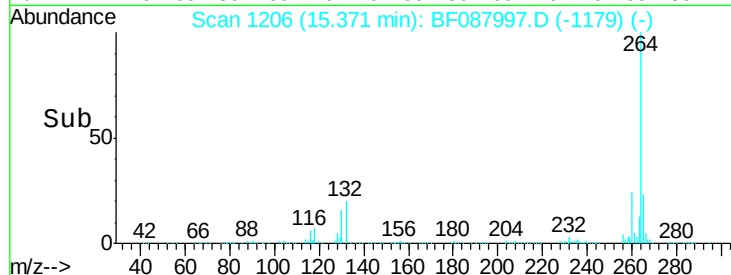
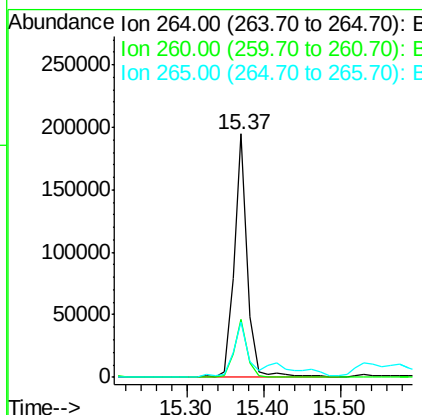
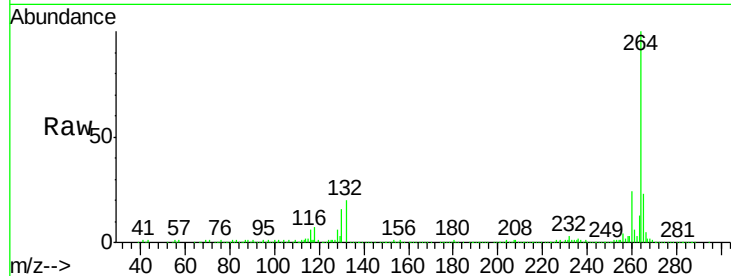
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BF087997.D
Acq: 14 Jun 2016 9:15

Instrument :
BNA_F
ClientSampleId :
STA-928-PLATFORM(0-4)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.0	16.9	25.3

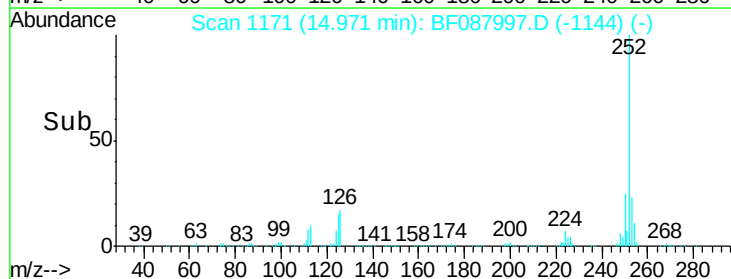
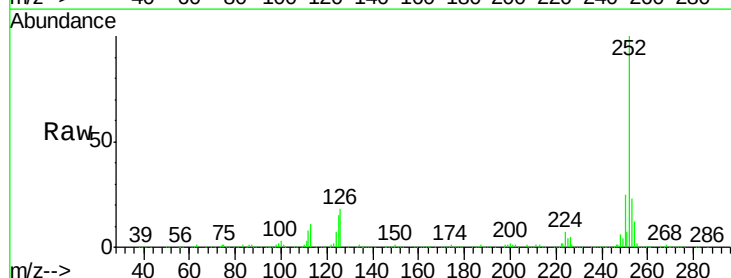
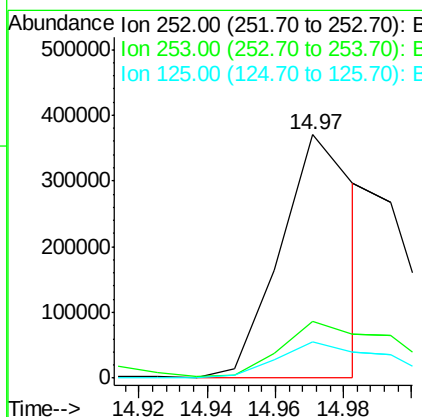
Manual Integrations
APPROVED

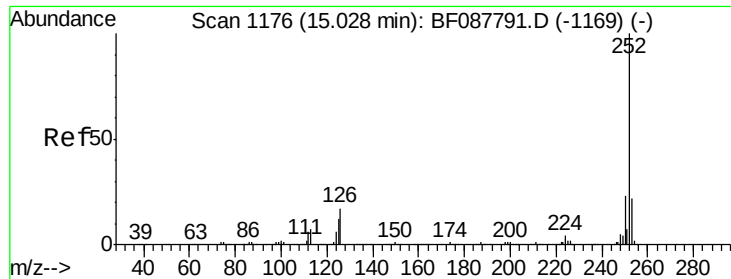
umangi
6/14/2016 7:48:59 PM



#87
Benzo(b)fluoranthene
Concen: 34.88 ng m
RT: 14.97 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF087997.D
Acq: 14 Jun 2016 9:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	14.8	7.1	10.7#





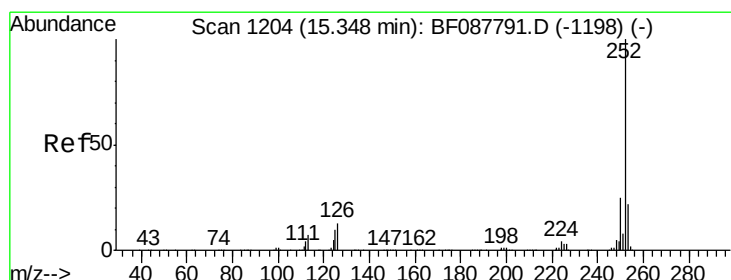
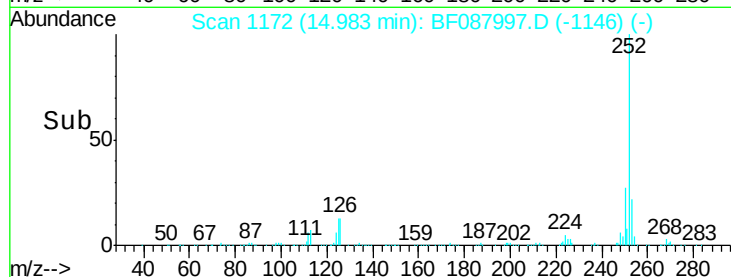
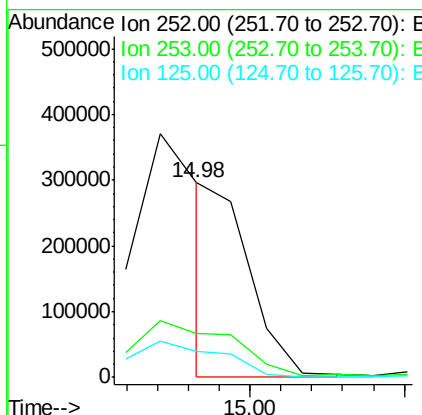
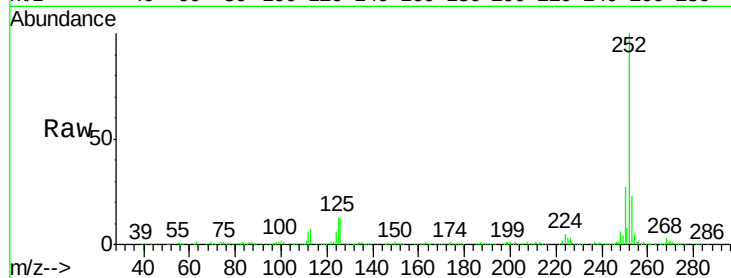
#88
Benzo(k)fluoranthene
Concen: 19.32 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF087997.D
Acq: 14 Jun 2016 9:15

Instrument :
BNA_F
ClientSampleId :
STA-928-PLATFORM(0-4)DL

Tot Ion:	252	Resp:	242151
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.0	27.0
125	13.3	11.2	16.8

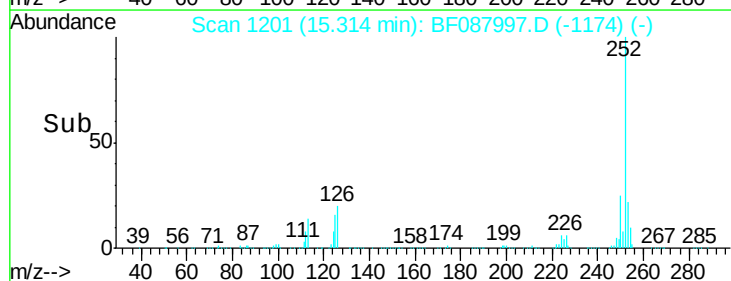
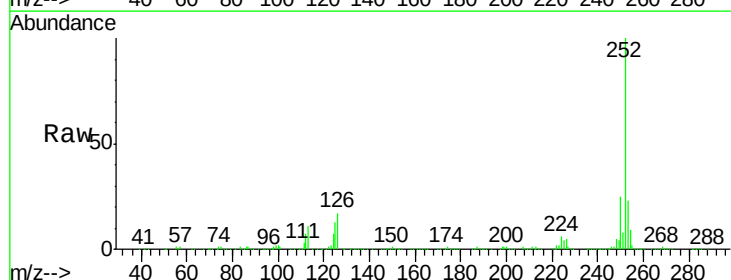
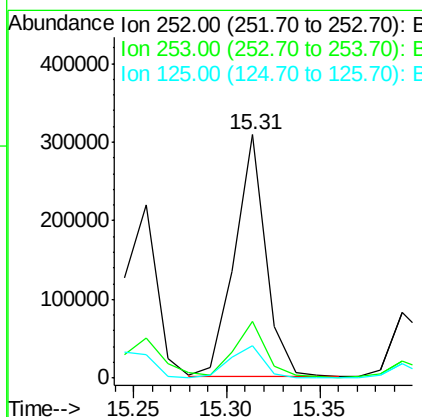
Manual Integrations
APPROVED

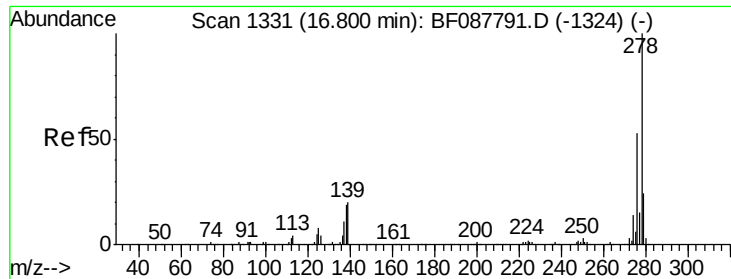
umangi
6/14/2016 7:48:59 PM



#89
Benzo(a)pyrene
Concen: 26.84 ng
RT: 15.31 min Scan# 1201
Delta R.T. 0.01 min
Lab File: BF087997.D
Acq: 14 Jun 2016 9:15

Tgt Ion:	252	Resp:	360810
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.9	26.9
125	13.4	12.5	18.7





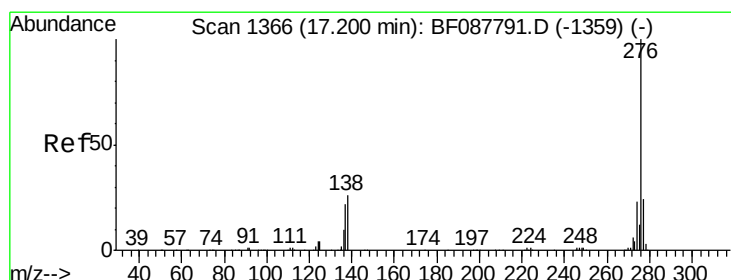
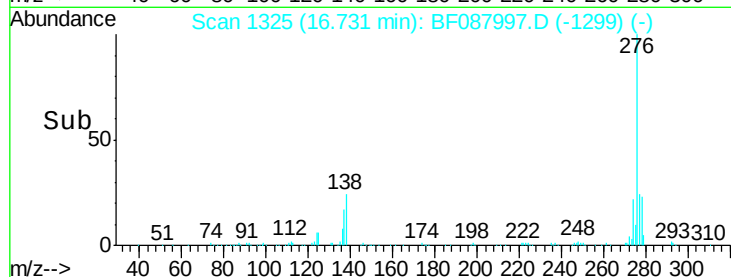
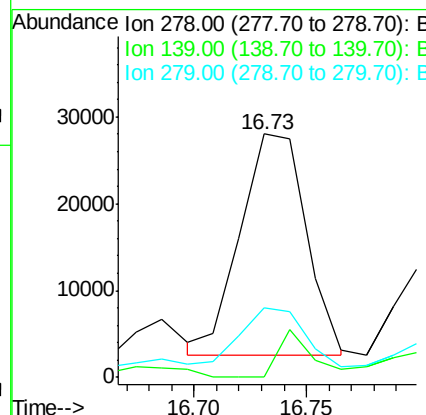
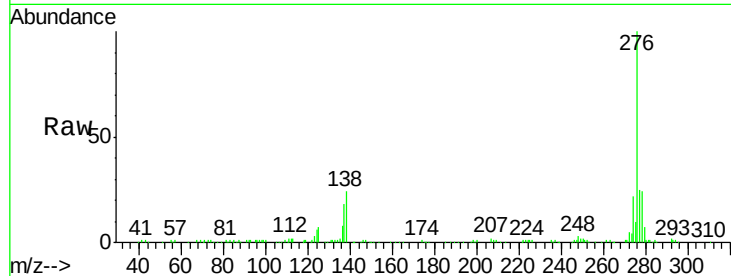
#90
Dibenzo(a,h)anthracene
Concen: 4.16 ng/mL
RT: 16.73 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF087997.D
Acq: 14 Jun 2016 9:15

Instrument :
BNA_F
ClientSampleId :
STA-928-PLATFORM(0-4)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5
279	28.7	19.4	29.2

Manual Integrations
APPROVED

umangi
6/14/2016 7:48:59 PM



#91
Benzo(g,h,i)perylene
Concen: 13.43 ng/mL
RT: 17.14 min Scan# 1361
Delta R.T. 0.01 min
Lab File: BF087997.D
Acq: 14 Jun 2016 9:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.9	28.3
138	24.2	21.4	32.2

