

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
 Data File : BF097853.D
 Acq On : 19 Aug 2017 00:50
 Operator : SJ/JU
 Sample : I4649-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-13(0-10)COMP

Manual Integrations
 APPROVED

Sohil
 8/21/2017 6:20:05 AM

Quant Time: Aug 19 02:00:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	121716	20.00	ng	-0.02
21) Naphthalene-d8	8.06	136	492098	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	221591	20.00	ng	-0.02
63) Phenanthrene-d10	11.29	188	426385	20.00	ng	-0.01
75) Chrysene-d12	13.92	240	313803	20.00	ng	-0.02
86) Perylene-d12	15.36	264	280654	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	712092	88.99	ng	-0.01
7) Phenol-d6	6.40	99	956712	87.99	ng	0.00
23) Nitrobenzene-d5	7.33	82	566576	62.55	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	167981	87.37	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	712479	47.24	ng	-0.01
78) Terphenyl-d14	12.87	244	564698	37.53	ng	-0.02
Target Compounds						
10) Phenol	6.41	94	34413	2.706	ng	Qvalue 93
49) Dimethylphthalate	9.52	163	179250	11.066	ng	100
70) Phenanthrene	11.31	178	56591	2.491	ng	99
74) Fluoranthene	12.50	202	183041	7.718	ng	99
77) Pyrene	12.73	202	189730	7.392	ng	98
80) Benzo(a)anthracene	13.92	228	84170	4.475	ng	98
82) Chrysene	13.95	228	83070	4.440	ng	96
85) Indeno(1,2,3-cd)pyrene	16.74	276	42343	3.077	ng	# 90
87) Benzo(b)fluoranthene	14.94	252	100063m	5.656	ng	
89) Benzo(a)pyrene	15.29	252	68243	4.358	ng	97
91) Benzo(g,h,i)perylene	17.16	276	41353	3.108	ng	92

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

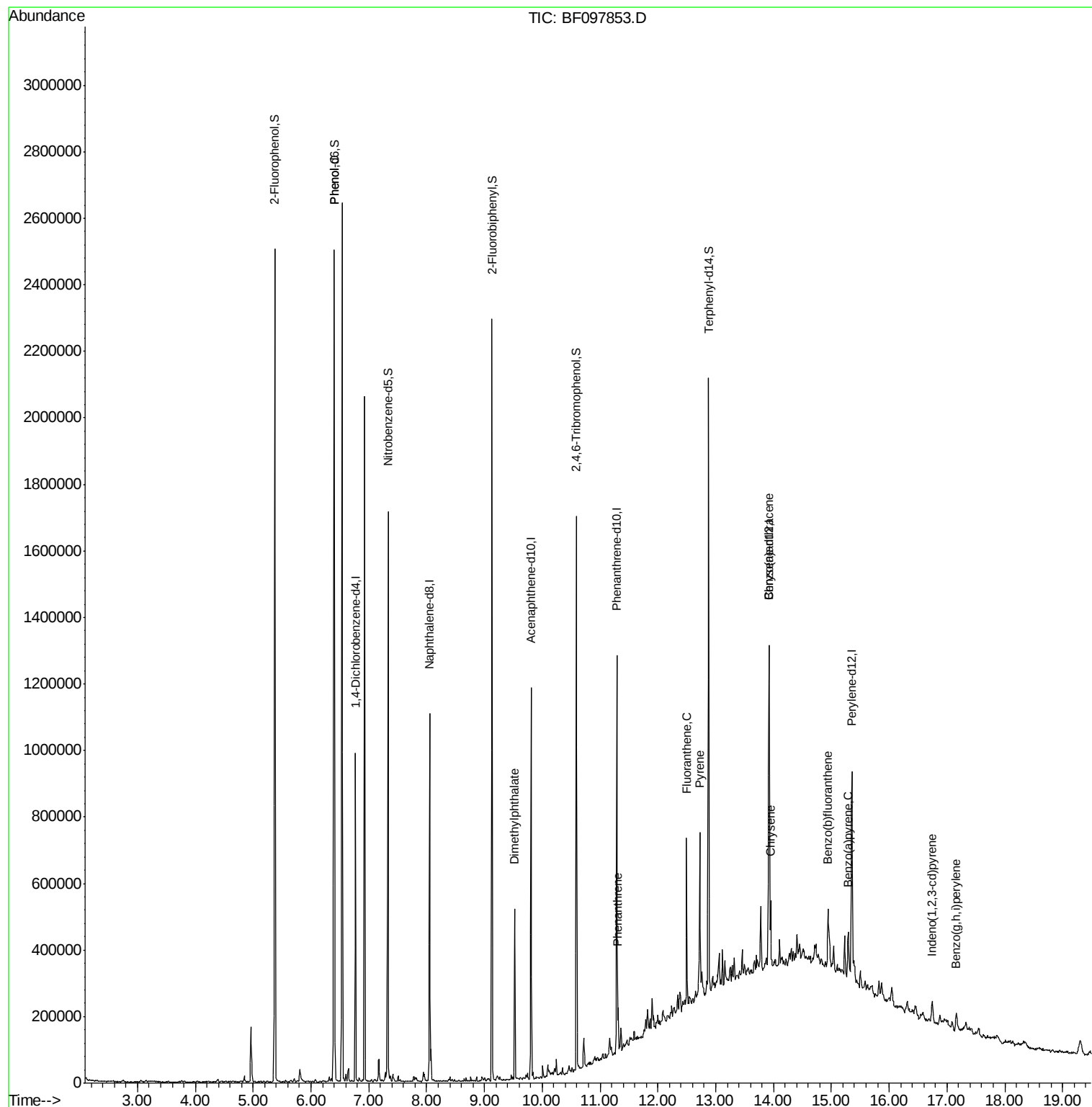
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
Data File : BF097853.D
Acq On : 19 Aug 2017 00:50
Operator : SJ/JU
Sample : I4649-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

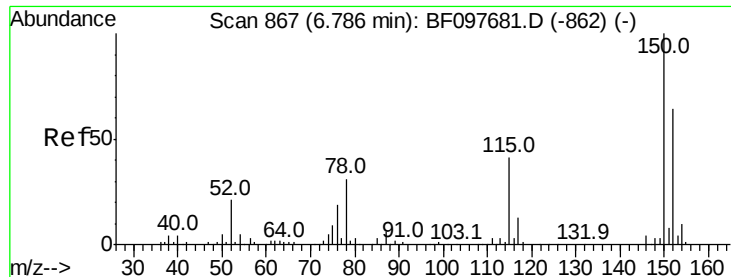
Instrument :
BNA_F
ClientSampleId :
B-13(0-10)COMP

Manual Integrations
APPROVED

Sohil
8/21/2017 6:20:05 AM

Quant Time: Aug 19 02:00:08 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration





#1

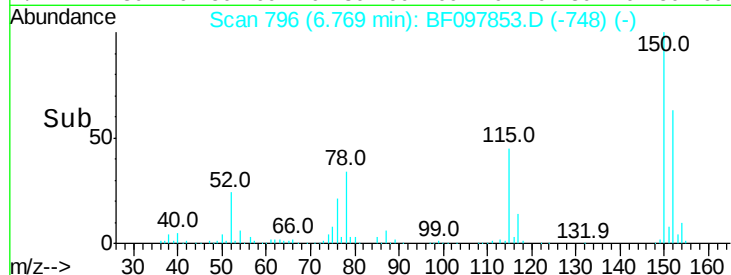
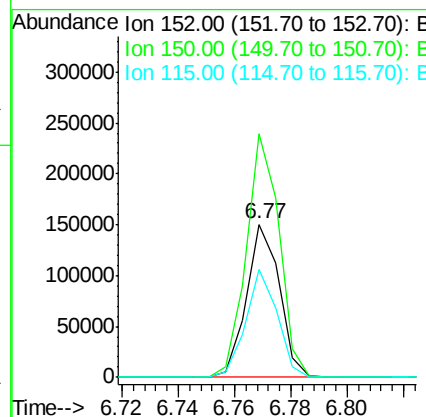
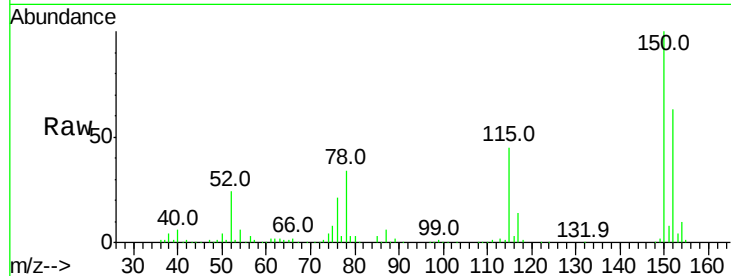
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF097853.D
Acq: 19 Aug 2017 00:50

Instrument :
BNA_F
ClientSampleId :
B-13(0-10)COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.2	189.2
115	70.8	52.2	78.2

Manual Integrations
APPROVED

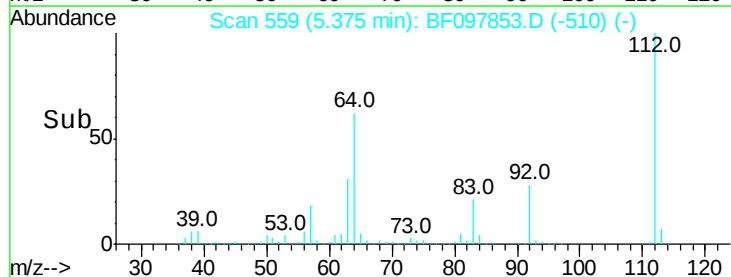
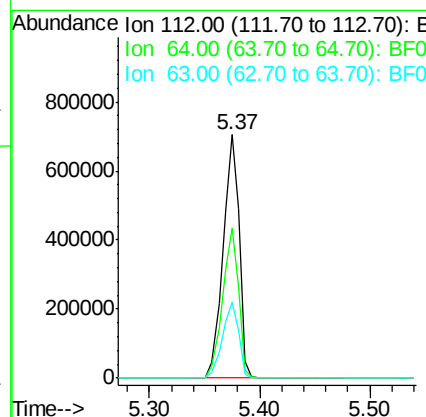
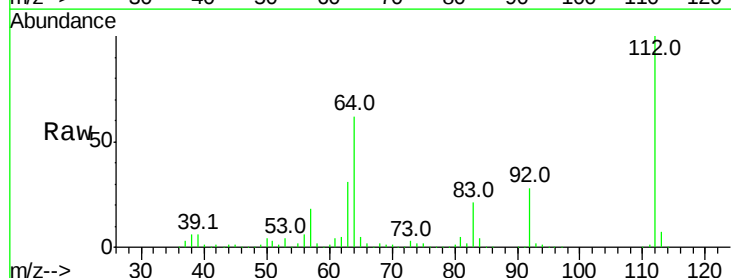
Sohil
8/21/2017 6:20:05 AM

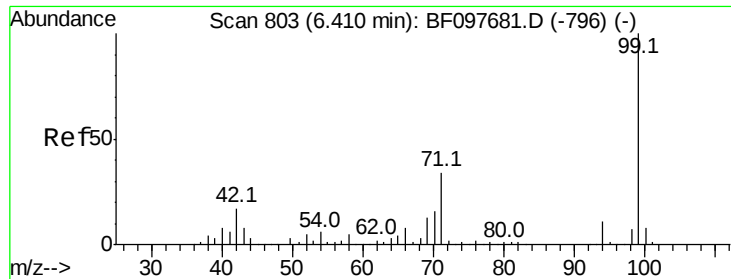


#5

2-Fluorophenol
Concen: 88.990 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097853.D
Acq: 19 Aug 2017 00:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	46.0	69.0
63	31.3	23.4	35.0





#7

Phenol-d6

Concen: 87.995 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF097853.D

Acq: 19 Aug 2017 00:50

Instrument :

BNA_F

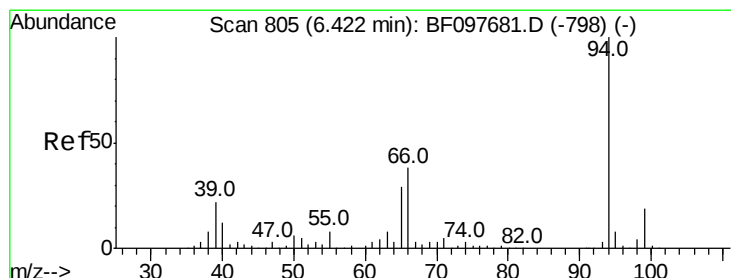
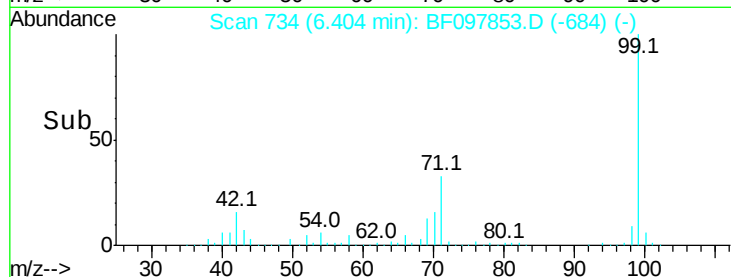
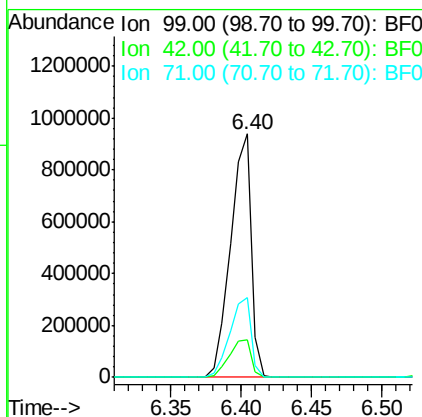
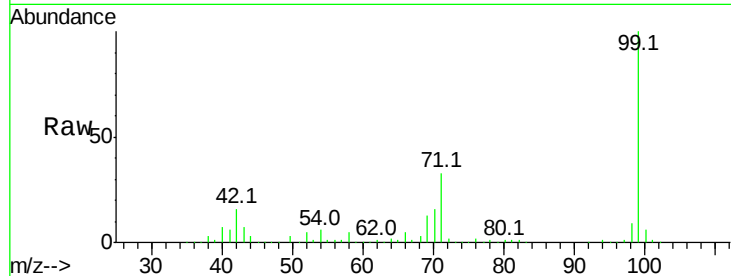
ClientSampleId :

B-13(0-10)COMP

Tot Ion:	99	Resp:	956712
Ion Ratio	Lower	Upper	
99	100		
42	15.5	13.5	20.3
71	32.8	24.5	36.7

Manual Integrations
APPROVED

Sohil
8/21/2017 6:20:05 AM



#10

Phenol

Concen: 2.706 ng

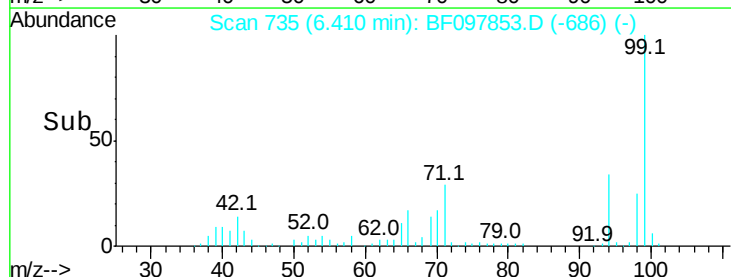
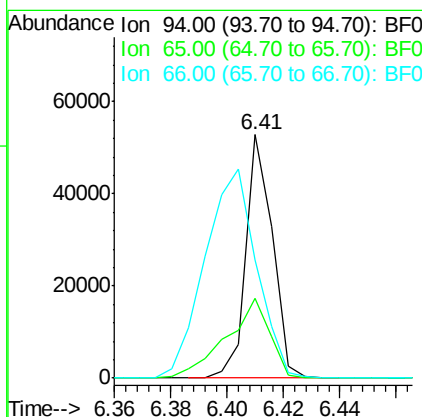
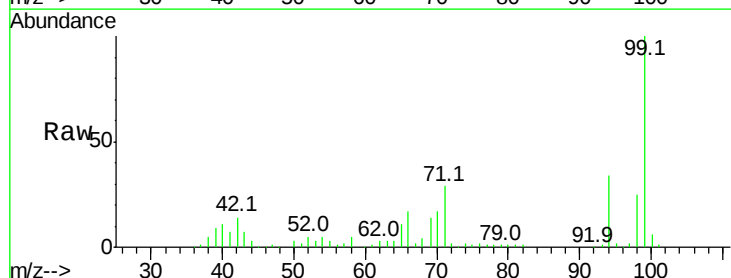
RT: 6.41 min Scan# 735

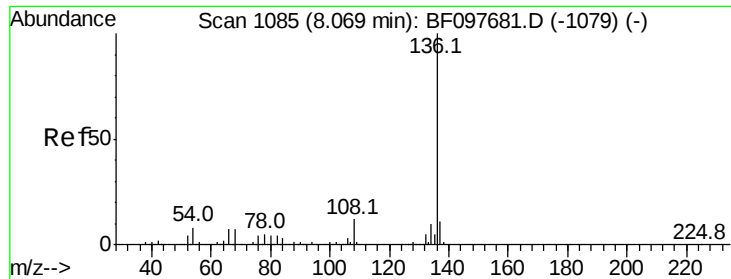
Delta R.T. -0.01 min

Lab File: BF097853.D

Acq: 19 Aug 2017 00:50

Tgt Ion:	94	Resp:	34413
Ion Ratio	Lower	Upper	
94	100		
65	32.5	9.9	49.9
66	48.8	23.1	63.1





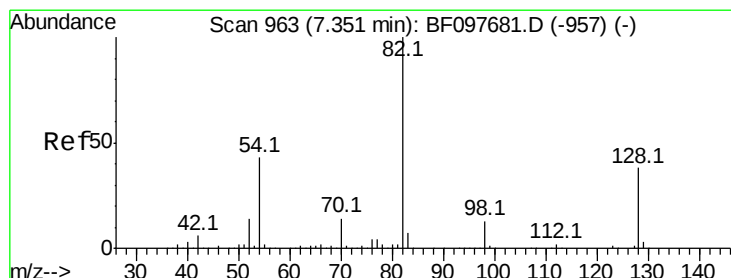
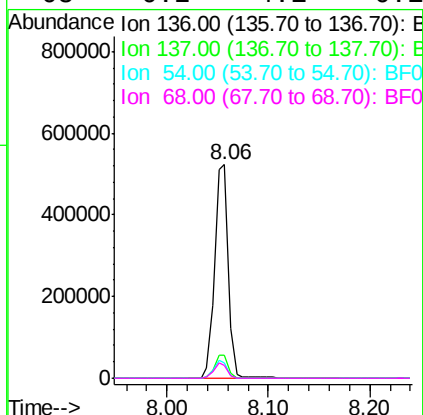
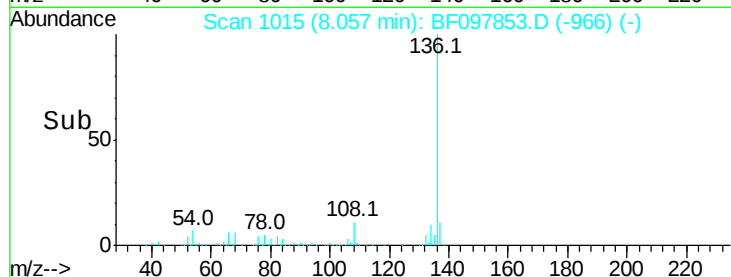
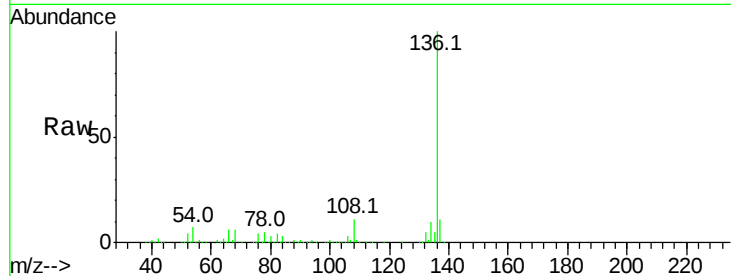
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF097853.D
Acq: 19 Aug 2017 00:50

Instrument :
BNA_F
ClientSampleId :
B-13(0-10)COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100	492098		
137	10.9		8.5	12.7
54	6.9		4.9	7.3
68	6.2		4.1	6.1#

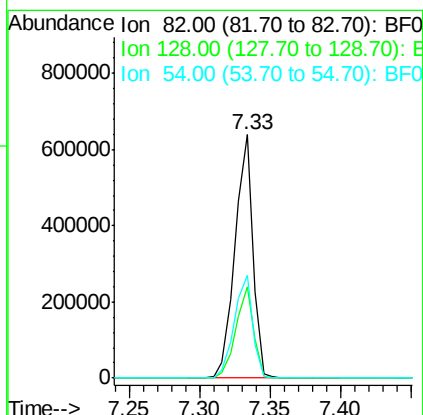
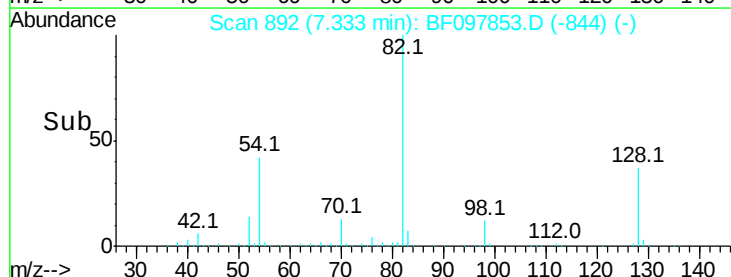
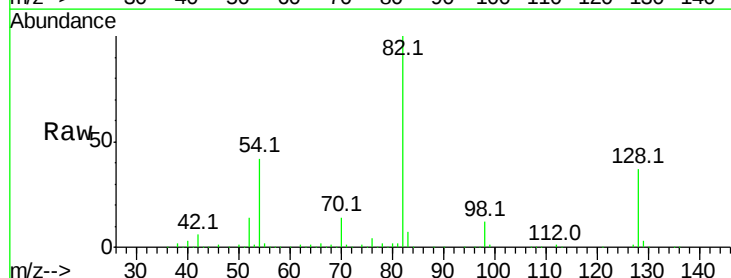
Manual Integrations
APPROVED

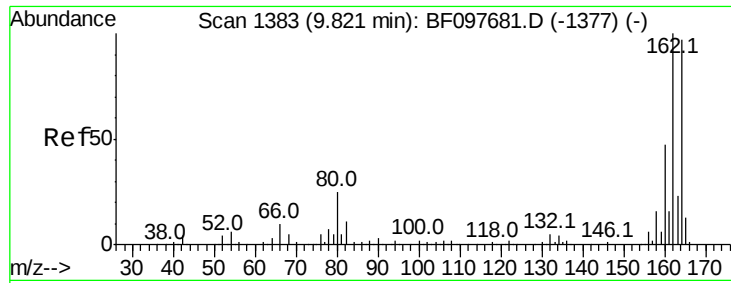
Sohil
8/21/2017 6:20:05 AM



#23
Nitrobenzene-d5
Concen: 62.547 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF097853.D
Acq: 19 Aug 2017 00:50

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	566576		
128	37.3		34.0	51.0
54	42.4		42.2	63.2





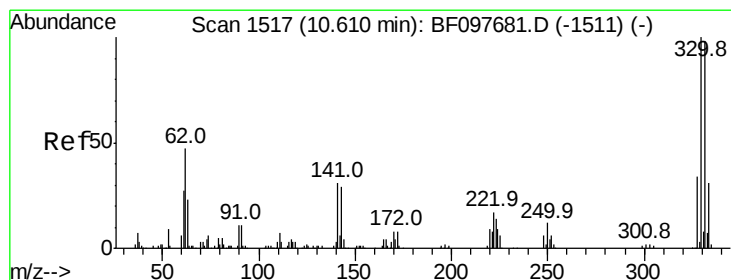
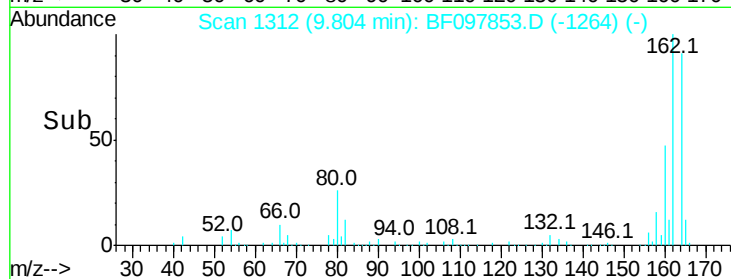
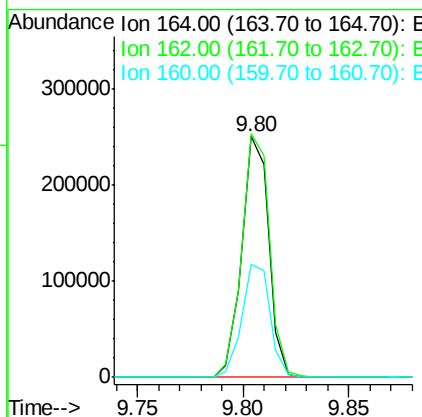
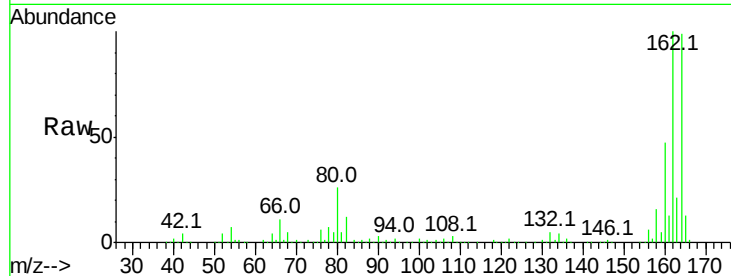
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: BF097853.D
 Acq: 19 Aug 2017 00:50

Instrument :
 BNA_F
 ClientSampleId :
 B-13(0-10)COMP

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.6	123.8
160	47.1	36.2	54.2

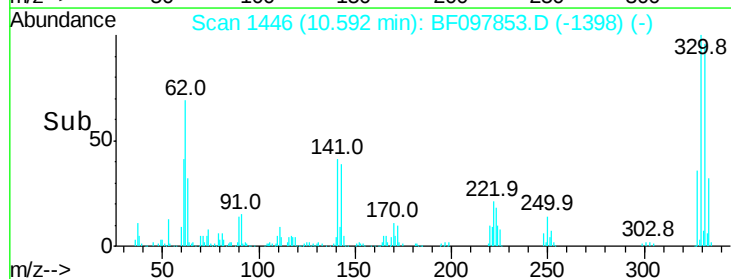
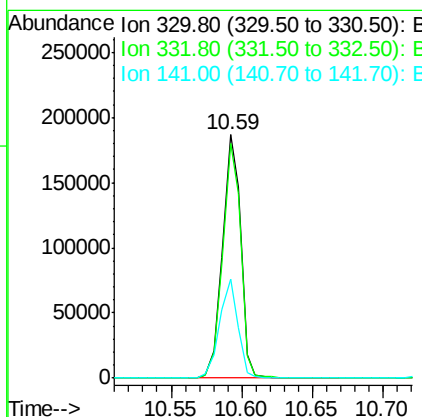
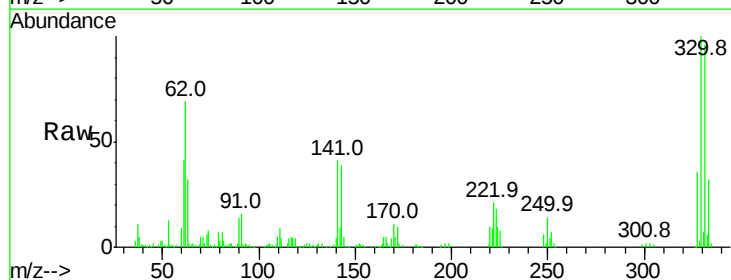
Manual Integrations
 APPROVED

Sohil
 8/21/2017 6:20:05 AM



#41
 2,4,6-Tribromophenol
 Concen: 87.369 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF097853.D
 Acq: 19 Aug 2017 00:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	41.7	31.4	47.2





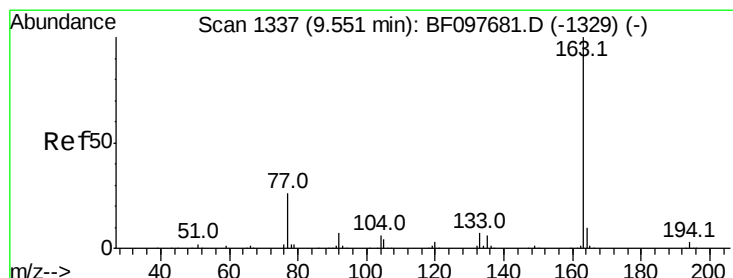
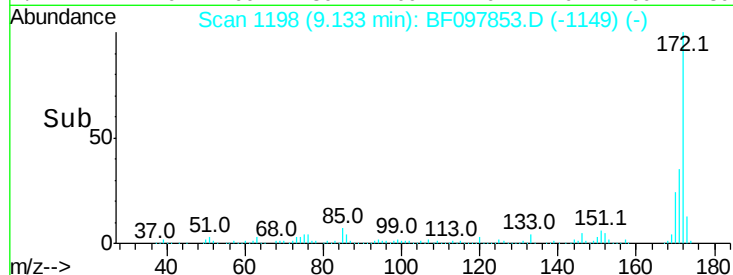
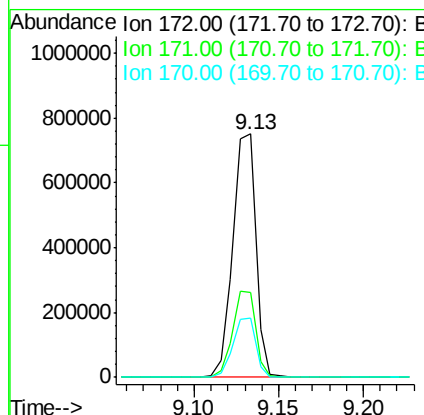
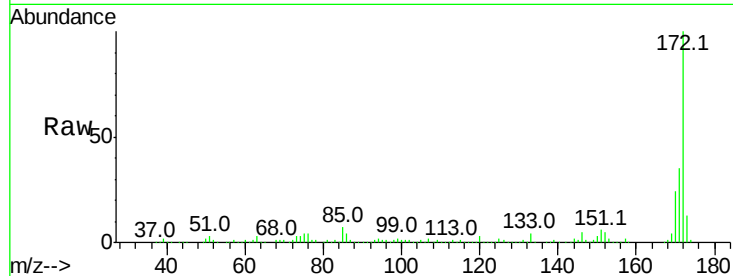
#44
 2-Fluorobiphenyl
 Concen: 47.239 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097853.D
 Acq: 19 Aug 2017 00:50

Instrument :
 BNA_F
 ClientSampleId :
 B-13(0-10)COMP

Tot Ion:	172	Resp:	712479
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.6	44.4
170	24.2	19.8	29.8

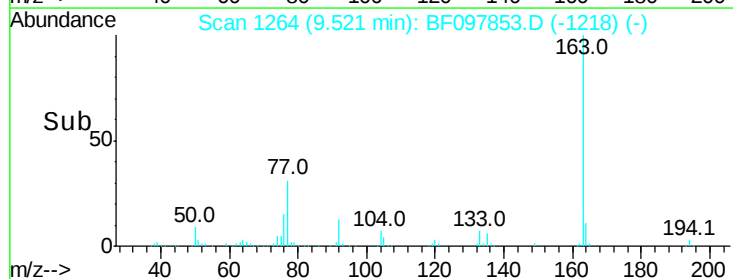
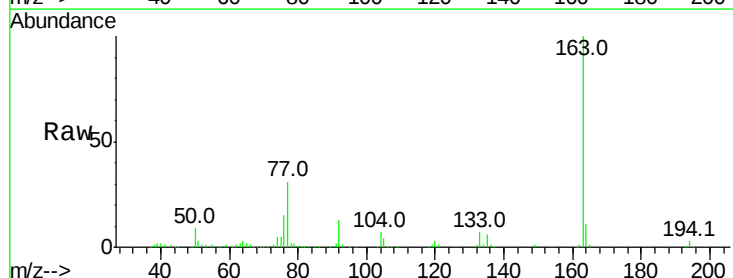
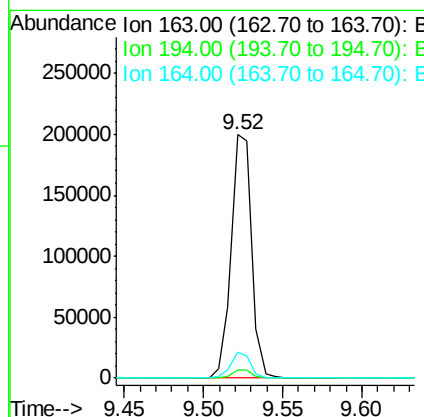
Manual Integrations
 APPROVED

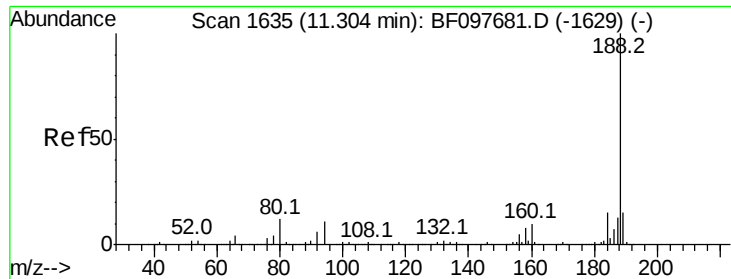
Sohil
 8/21/2017 6:20:05 AM



#49
 Dimethylphthalate
 Concen: 11.066 ng
 RT: 9.52 min Scan# 1264
 Delta R.T. -0.03 min
 Lab File: BF097853.D
 Acq: 19 Aug 2017 00:50

Tgt Ion:	163	Resp:	179250
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.6	4.0
164	10.5	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF097853.D

Acq: 19 Aug 2017 00:50

Instrument :

BNA_F

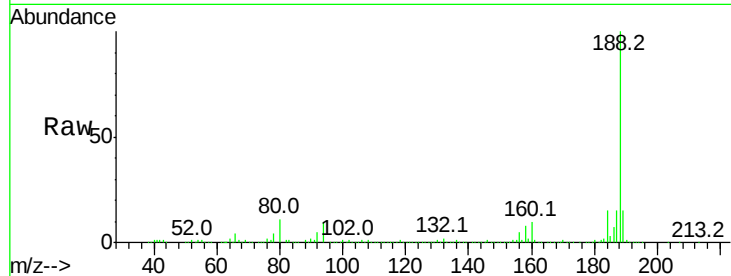
ClientSampleId :

B-13(0-10)COMP

Tot Ion:188	Resp:	426385
Ion Ratio	Lower	Upper
188 100		
94 10.4	9.4	14.2
80 10.7	10.2	15.2

Manual Integrations
APPROVED

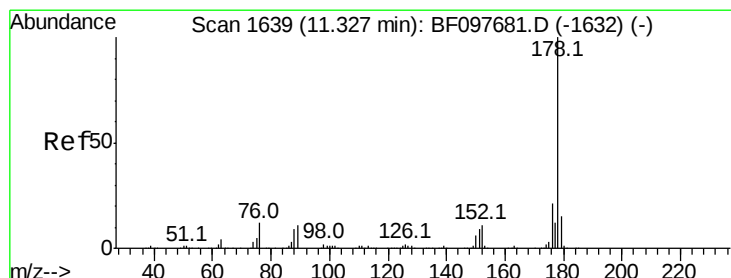
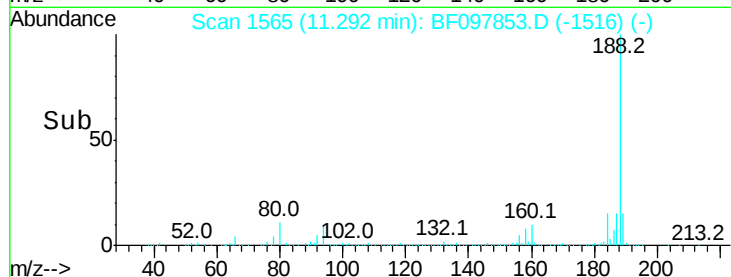
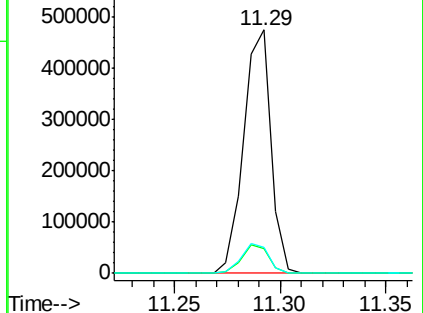
Sohil
8/21/2017 6:20:05 AM



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: 2.491 ng

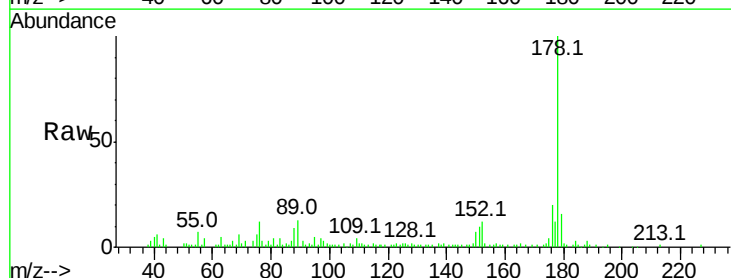
RT: 11.31 min Scan# 1568

Delta R.T. -0.02 min

Lab File: BF097853.D

Acq: 19 Aug 2017 00:50

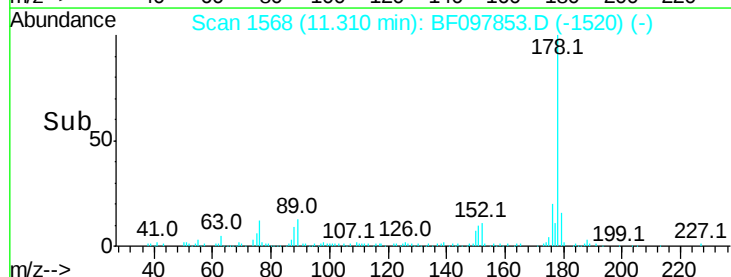
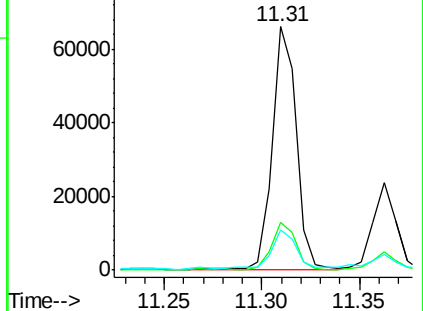
Tgt Ion:178	Resp:	56591
Ion Ratio	Lower	Upper
178 100		
176 19.8	16.2	24.4
179 16.3	12.6	19.0

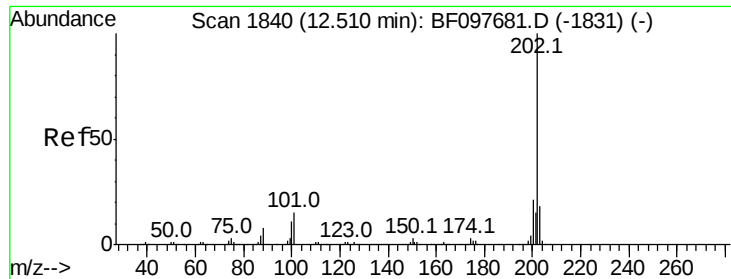


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.718 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF097853.D

Acq: 19 Aug 2017 00:50

Instrument :

BNA_F

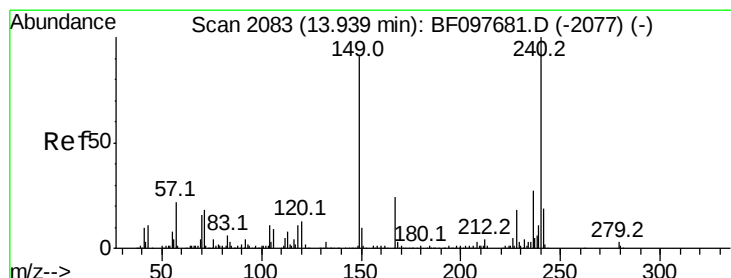
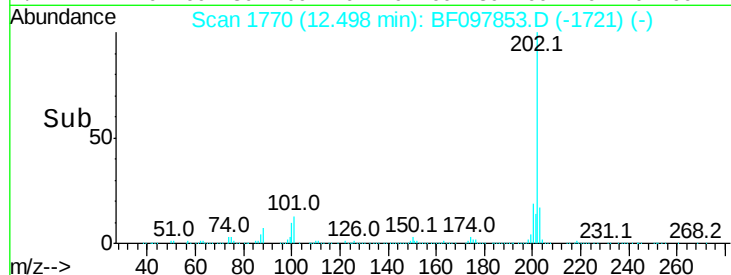
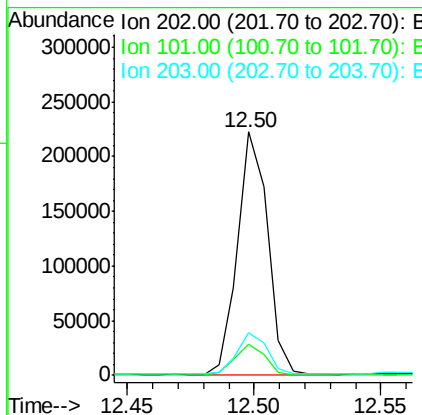
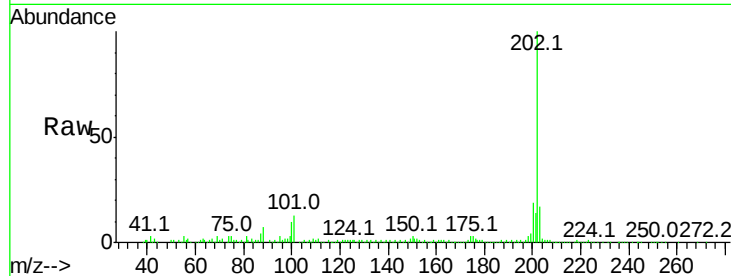
ClientSampleId :

B-13(0-10)COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	183041		
101	12.9	0.0	33.2	
203	17.4	0.0	38.1	

Manual Integrations
APPROVED

Sohil
8/21/2017 6:20:05 AM



#75

Chrysene-d12

Concen: 20.000 ng

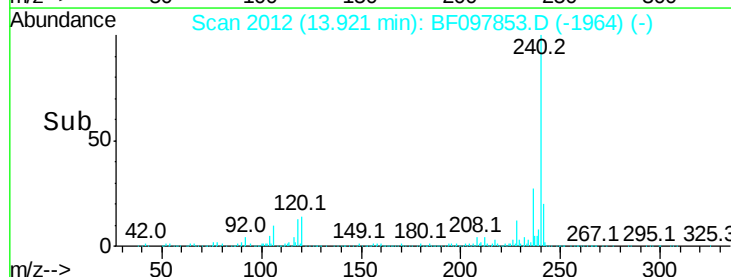
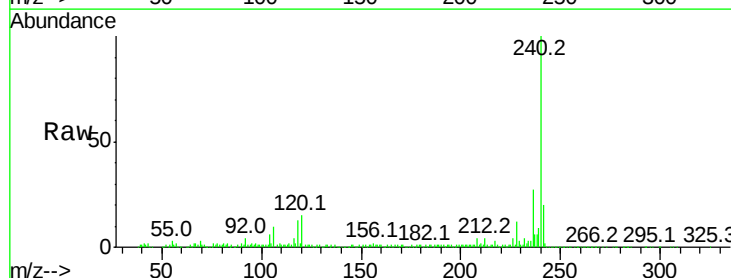
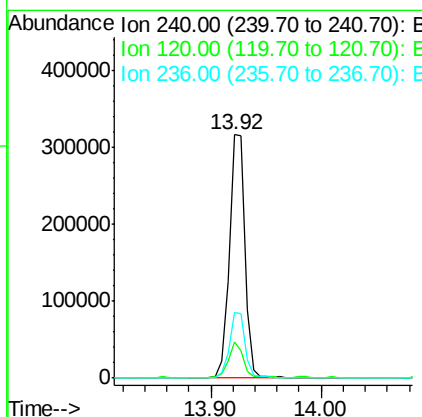
RT: 13.92 min Scan# 2012

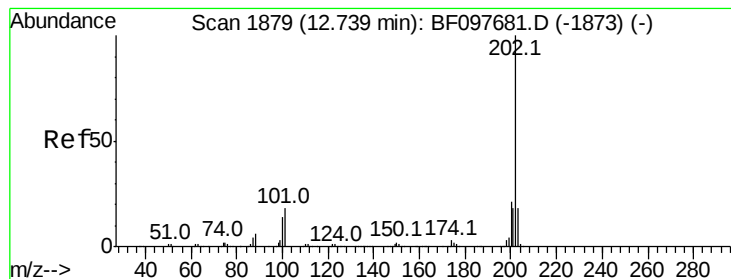
Delta R.T. -0.02 min

Lab File: BF097853.D

Acq: 19 Aug 2017 00:50

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	313803		
120	14.8	5.8	8.8#	
236	27.0	20.5	30.7	





#77

Pvrene

Concen: 7.392 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF097853.D

Acq: 19 Aug 2017 00:50

Instrument :

BNA_F

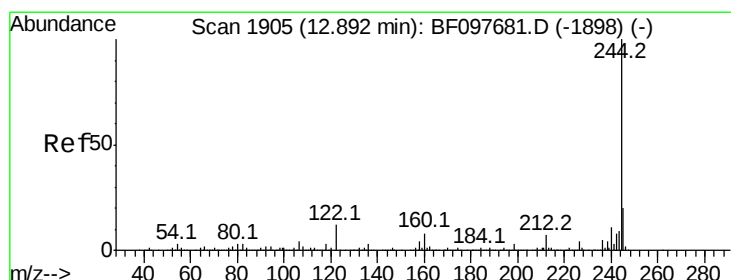
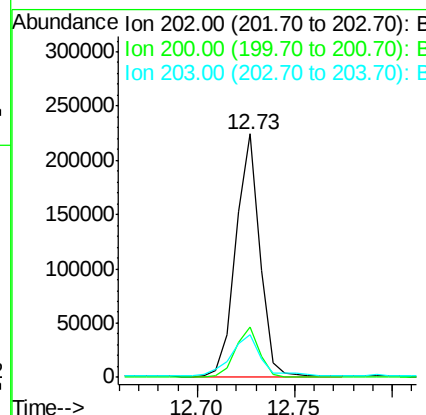
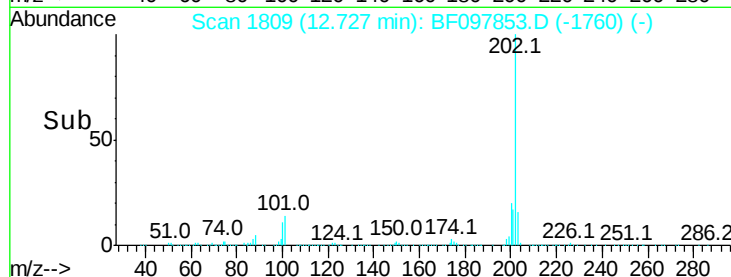
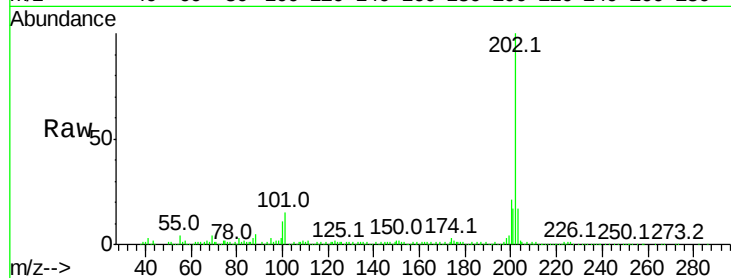
ClientSampleId :

B-13(0-10)COMP

Tot Ion:	202	Resp:	189730
Ion Ratio		Lower	Upper
202	100		
200	20.6	17.6	26.4
203	17.4	14.4	21.6

Manual Integrations
APPROVED

Sohil
8/21/2017 6:20:05 AM



#78

Terphenyl-d14

Concen: 37.526 ng

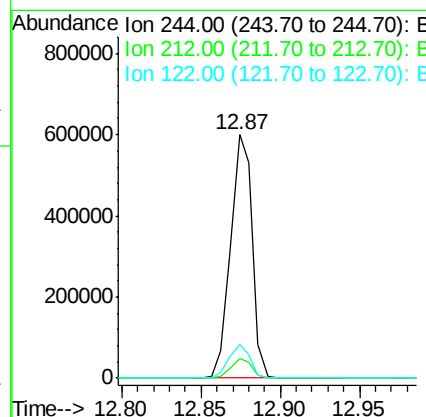
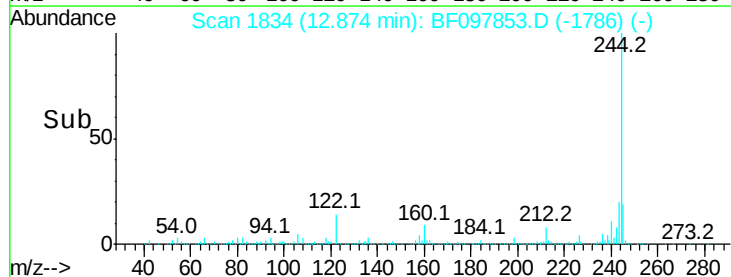
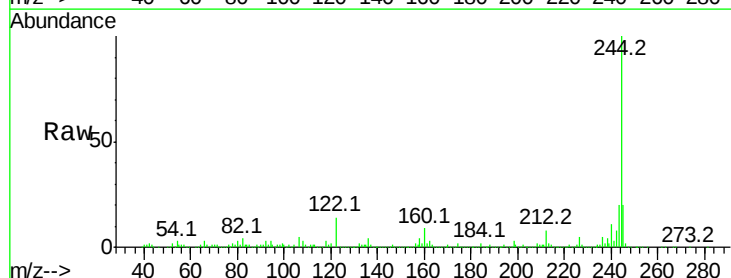
RT: 12.87 min Scan# 1834

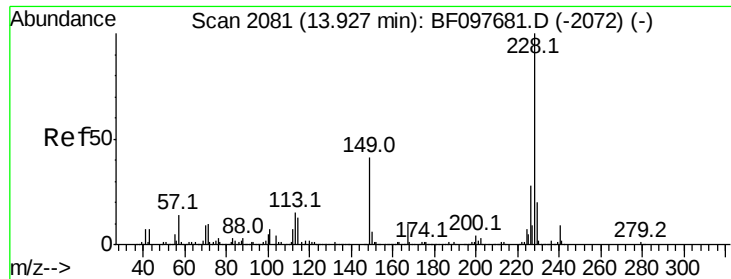
Delta R.T. -0.02 min

Lab File: BF097853.D

Acq: 19 Aug 2017 00:50

Tgt Ion:	244	Resp:	564698
Ion Ratio		Lower	Upper
244	100		
212	7.9	6.0	9.0
122	14.0	10.3	15.5





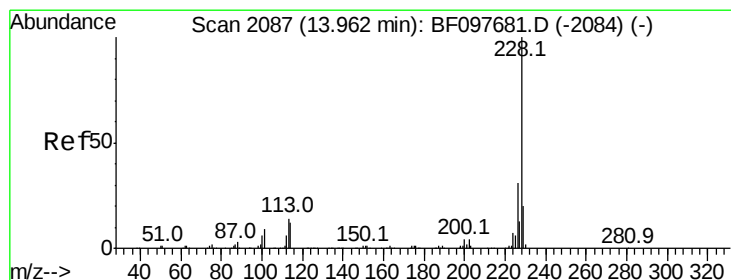
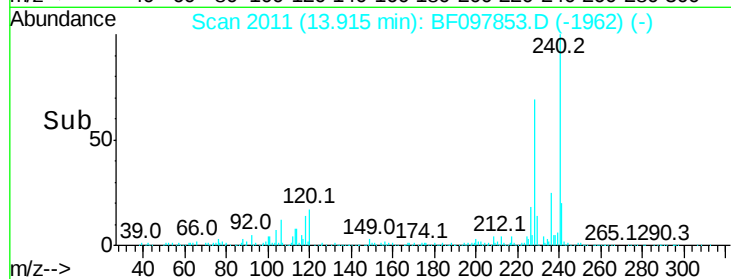
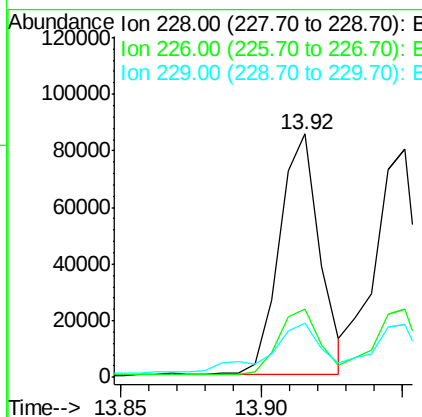
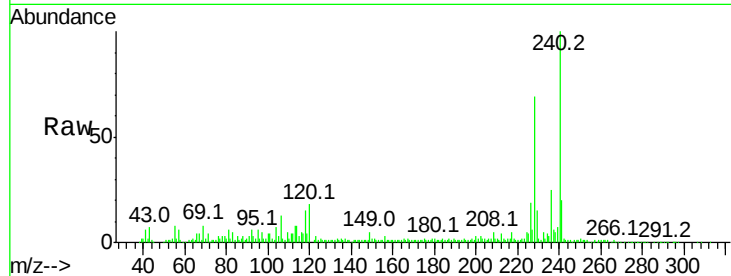
#80
Benzo(a)anthracene
Concen: 4.475 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF097853.D
Acq: 19 Aug 2017 00:50

Instrument :
BNA_F
ClientSampleId :
B-13(0-10)COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	22.4	16.3	24.5

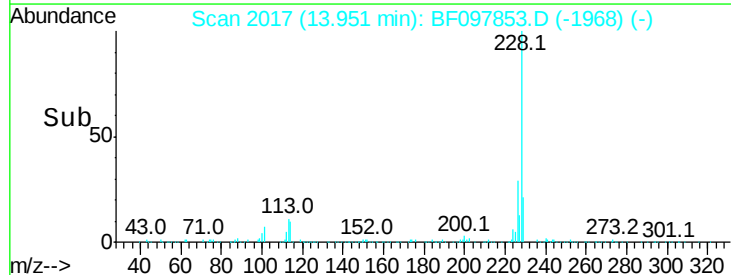
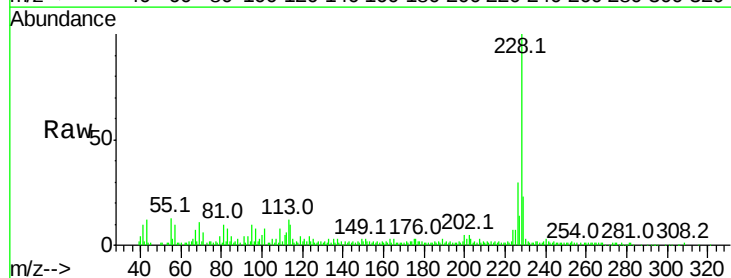
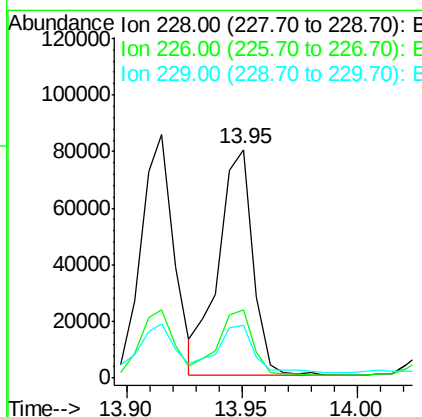
Manual Integrations
APPROVED

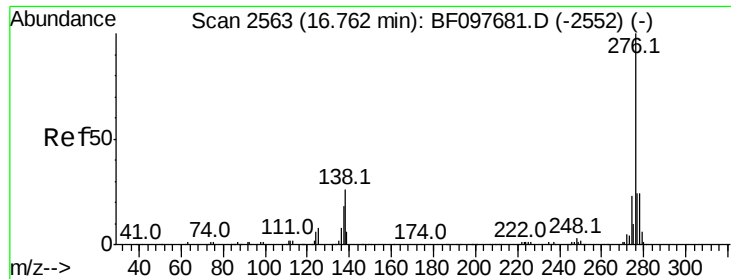
Sohil
8/21/2017 6:20:05 AM



#82
Chrysene
Concen: 4.440 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF097853.D
Acq: 19 Aug 2017 00:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	23.2	15.8	23.6





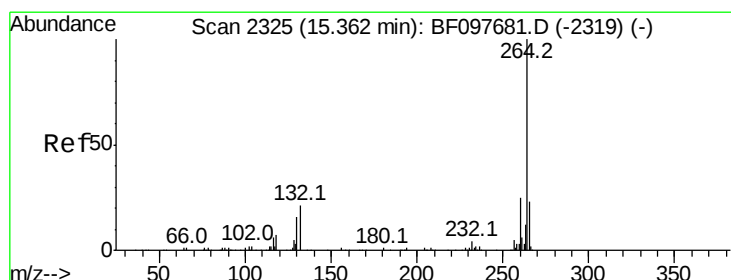
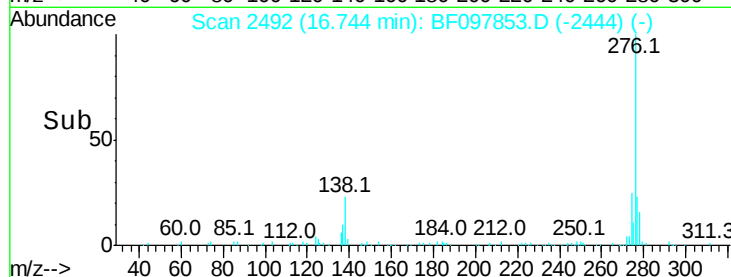
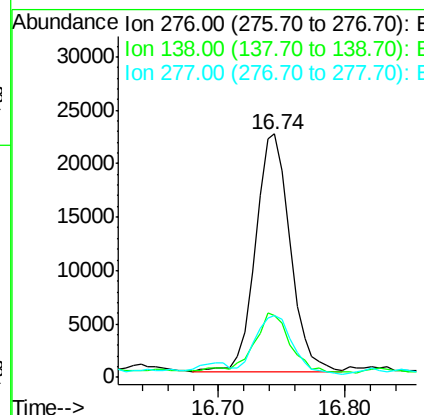
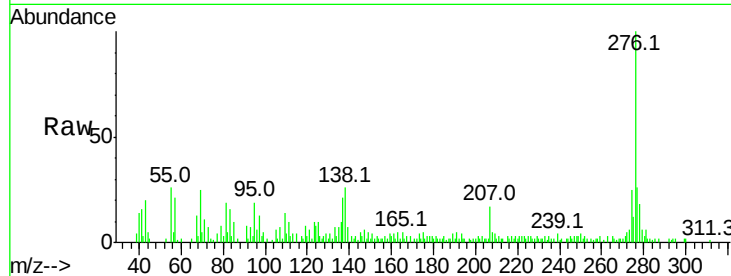
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.077 ng
RT: 16.74 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BF097853.D
Acq: 19 Aug 2017 00:50

Instrument :
BNA_F
ClientSampleId :
B-13(0-10)COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.3	27.8	41.6#
277	26.6	20.2	30.4

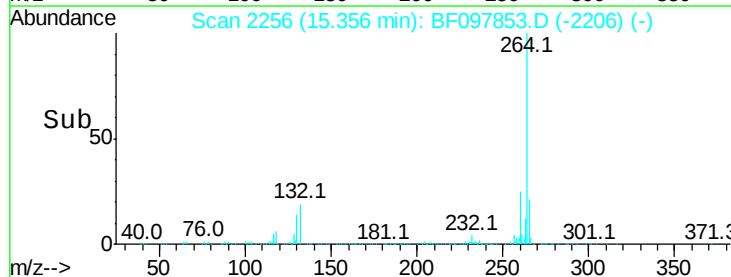
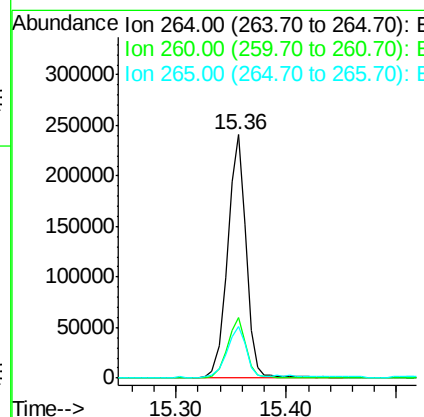
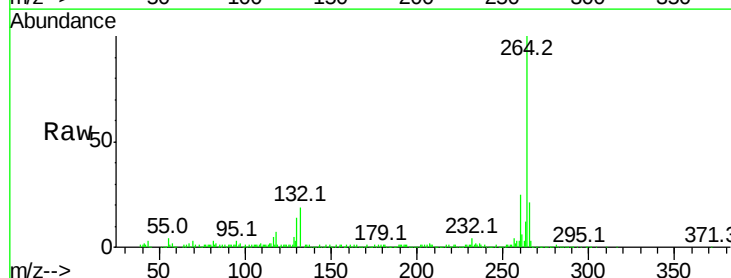
Manual Integrations
APPROVED

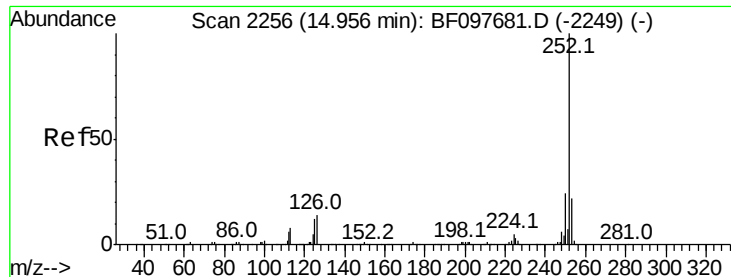
Sohil
8/21/2017 6:20:05 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF097853.D
Acq: 19 Aug 2017 00:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	21.3	17.2	25.8





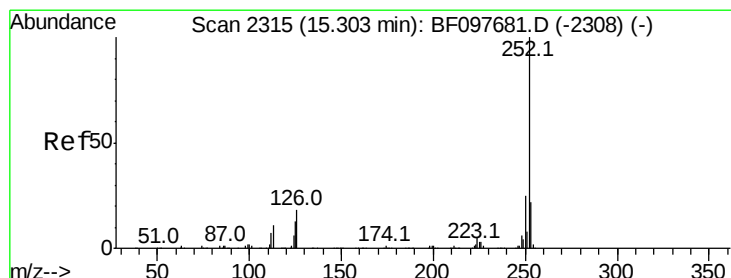
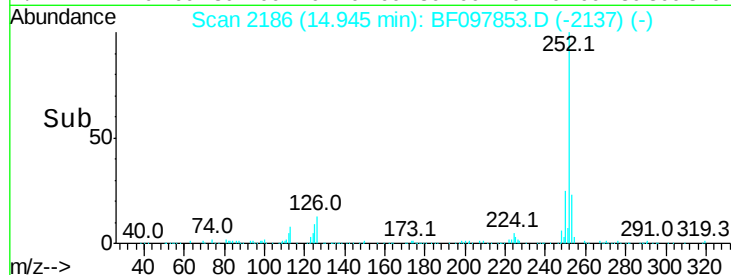
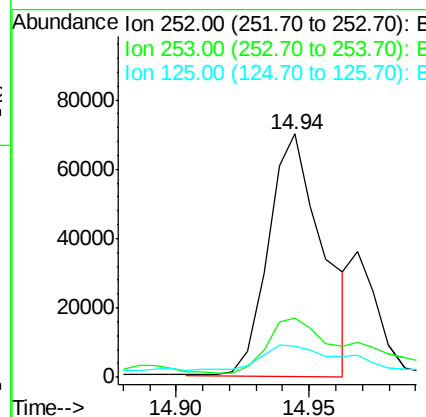
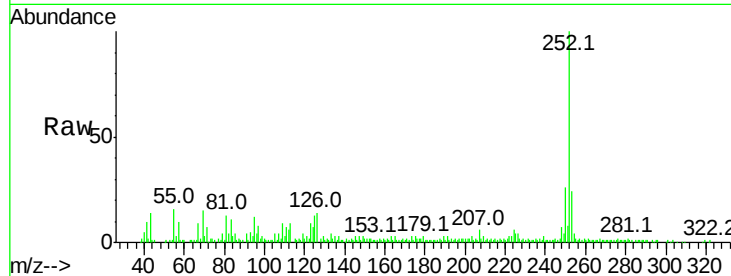
#87
Benzo(b)fluoranthene
Concen: 5.656 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF097853.D
Acq: 19 Aug 2017 00:50

Instrument :
BNA_F
ClientSampleId :
B-13(0-10)COMP

Tot Ion	Ratio	Resp	Lower	Upper
252	100	100063		
253	24.4		18.1	27.1
125	12.6		9.8	14.8

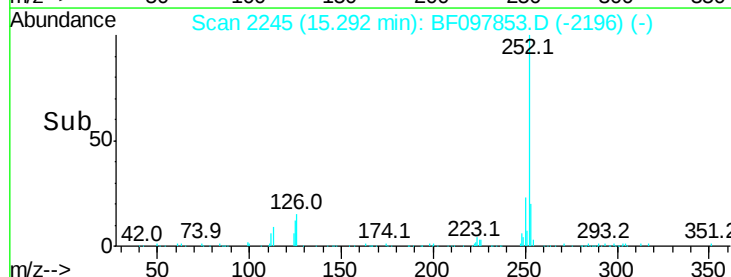
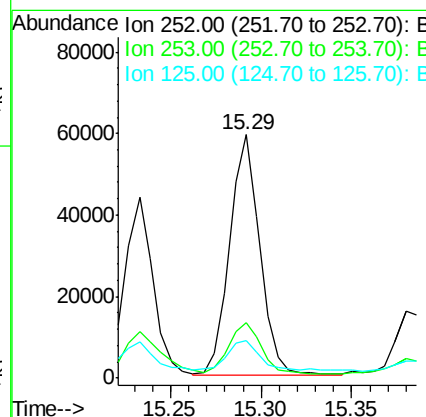
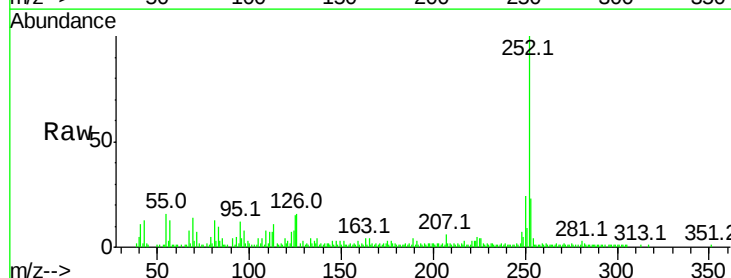
Manual Integrations
APPROVED

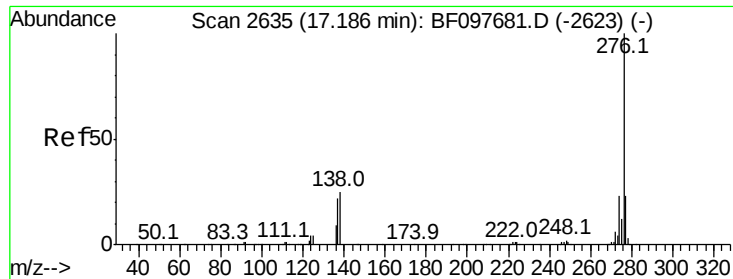
Sohil
8/21/2017 6:20:05 AM



#89
Benzo(a)pyrene
Concen: 4.358 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.01 min
Lab File: BF097853.D
Acq: 19 Aug 2017 00:50

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	68243		
253	23.0		17.5	26.3
125	15.3		11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 3.108 ng
 RT: 17.16 min Scan# 2563
 Delta R.T. -0.02 min
 Lab File: BF097853.D
 Acq: 19 Aug 2017 00:50

Instrument :
 BNA_F
 ClientSampleId :
 B-13(0-10)COMP

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.7	18.6	28.0
138	25.6	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 8/21/2017 6:20:05 AM

