

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
 Data File : BF096941.D
 Acq On : 21 Jul 2017 13:50
 Operator : SJ/JU
 Sample : I4253-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-06-BASE

Manual Integrations
 APPROVED

Sohil
 7/24/2017 3:05:08 PM

Quant Time: Jul 22 00:01:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	100432	20.00	ng	-0.05
21) Naphthalene-d8	7.83	136	450985	20.00	ng	-0.05
38) Acenaphthene-d10	9.58	164	208795	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	312590	20.00	ng	-0.05
75) Chrysene-d12	13.69	240	220424	20.00	ng	-0.05
86) Perylene-d12	15.04	264	210050	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	678329	101.55	ng	-0.04
7) Phenol-d6	6.21	99	779893	97.30	ng	-0.04
23) Nitrobenzene-d5	7.12	82	467751	64.24	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	155949	87.50	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	764184	57.82	ng	-0.05
78) Terphenyl-d14	12.65	244	521971	41.07	ng	-0.05
Target Compounds						Qvalue
10) Phenol	6.22	94	21831	2.409	ng	95
49) Dimethylphthalate	9.31	163	161400	10.266	ng	97
70) Phenanthrene	11.08	178	201720	11.868	ng	98
71) Anthracene	11.13	178	43842	2.551	ng	95
74) Fluoranthene	12.26	202	256803	15.785	ng	98
77) Pyrene	12.49	202	239870	11.991	ng	99
80) Benzo(a)anthracene	13.67	228	109944	8.005	ng	97
82) Chrysene	13.71	228	103522	7.657	ng	97
85) Indeno(1,2,3-cd)pyrene	16.30	276	49632	7.131	ng	97
87) Benzo(b)fluoranthene	14.67	252	127116m	10.034	ng	
88) Benzo(k)fluoranthene	14.70	252	34834m	2.904	ng	
89) Benzo(a)pyrene	14.99	252	96005	8.263	ng	97
91) Benzo(a,h,i)perylene	16.68	276	46160m	4.032	ng	

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

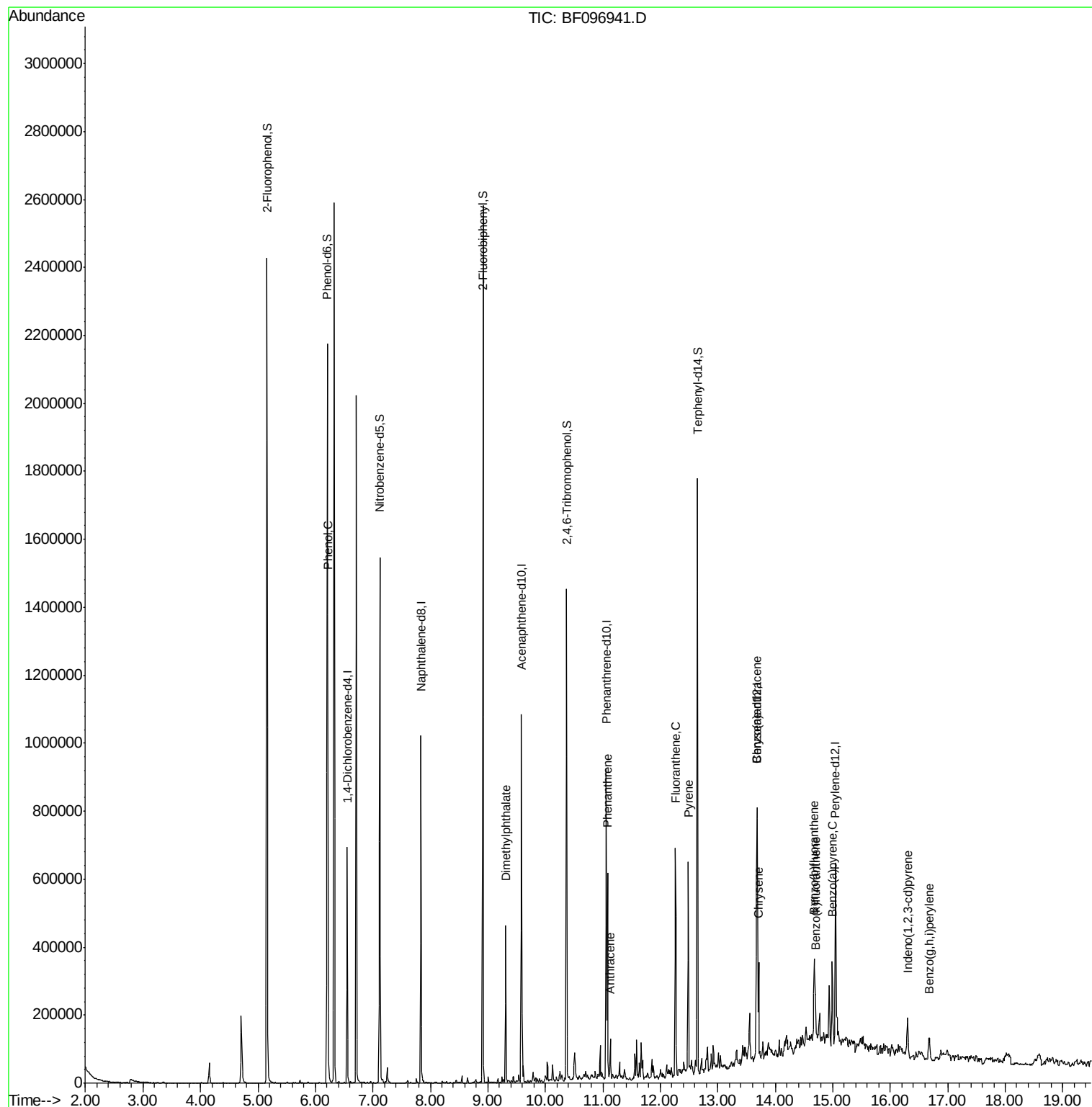
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
Data File : BF096941.D
Acq On : 21 Jul 2017 13:50
Operator : SJ/JU
Sample : I4253-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

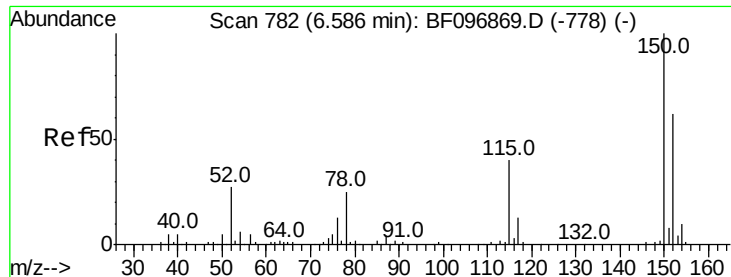
Instrument :
BNA_F
ClientSampleId :
E2-06-BASE

Manual Integrations
APPROVED

Sohil
7/24/2017 3:05:08 PM

Quant Time: Jul 22 00:01:52 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration





#1

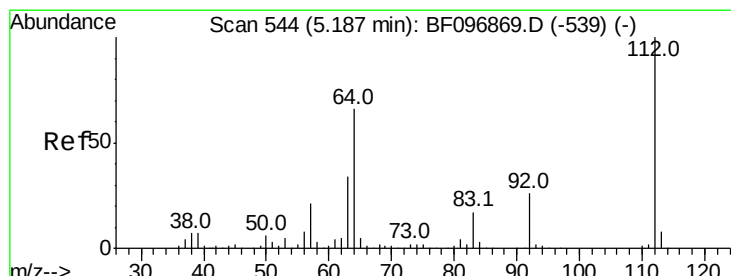
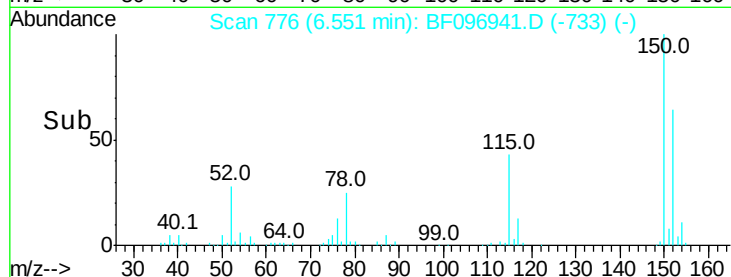
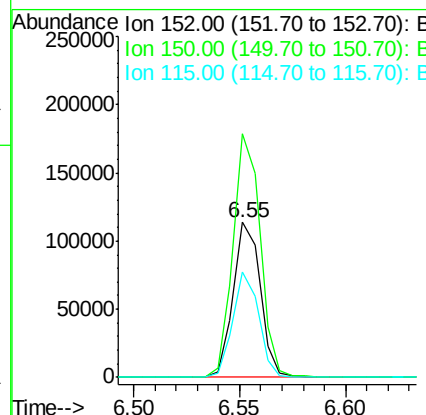
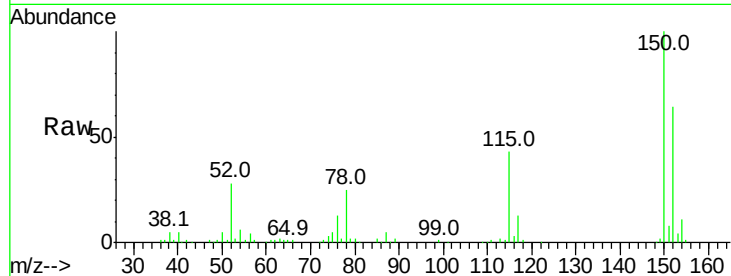
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.55 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

Instrument :
BNA_F
ClientSampleId :
E2-06-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	126.2	189.2
115	68.4	52.2	78.2

Manual Integrations
APPROVED

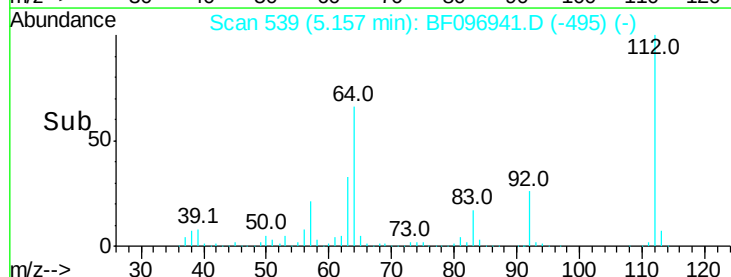
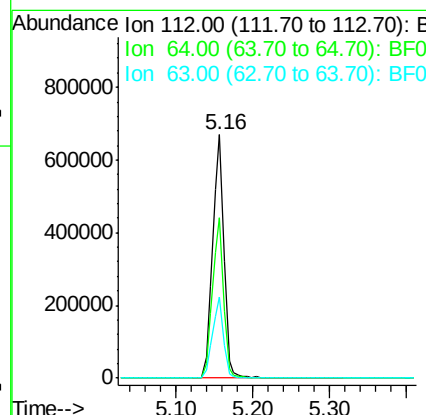
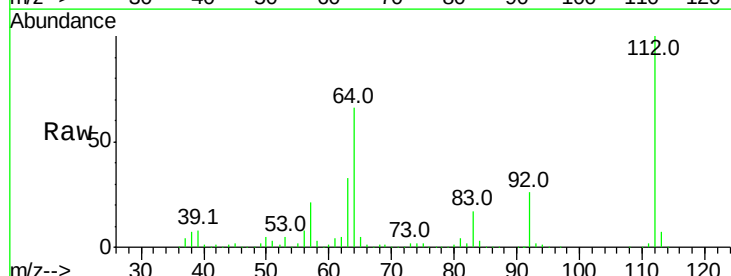
Sohil
7/24/2017 3:05:08 PM

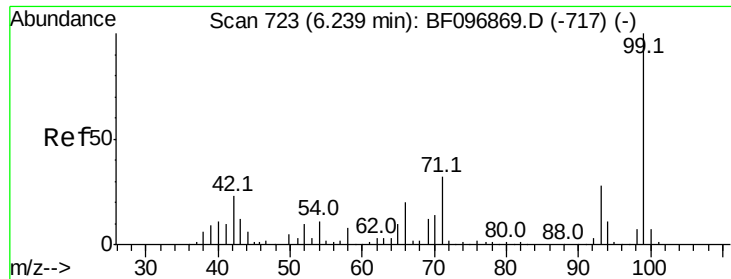


#5

2-Fluorophenol
Concen: 101.554 ng
RT: 5.16 min Scan# 539
Delta R.T. -0.04 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	46.0	69.0
63	33.4	23.4	35.0





#7

Phenol-d6

Concen: 97.297 ng

RT: 6.21 min Scan# 718

Delta R.T. -0.04 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Instrument :

BNA_F

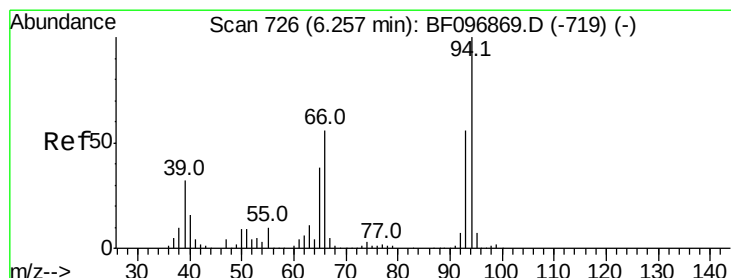
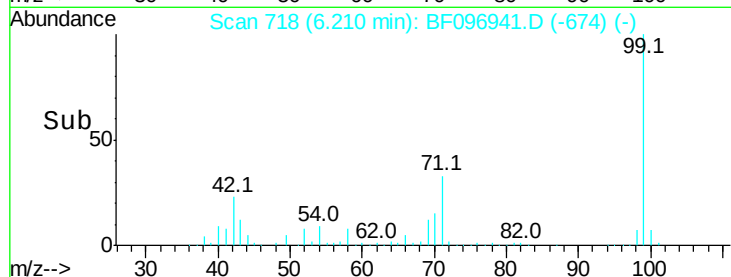
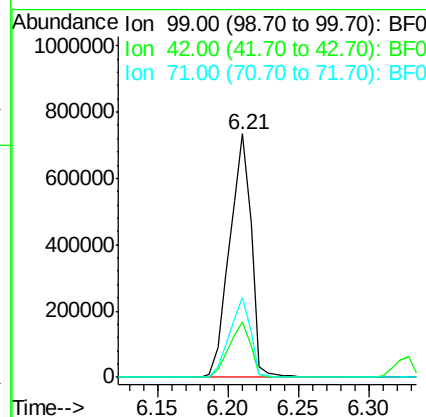
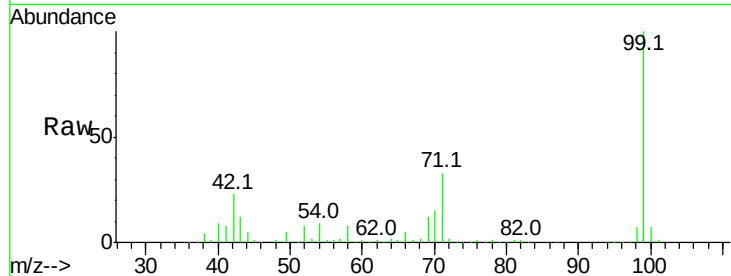
ClientSampled :

E2-06-BASE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		779893		
42	23.0	13.5	20.3#		
71	32.9	24.5	36.7		

Manual Integrations
APPROVED

Sohil
7/24/2017 3:05:08 PM



#10

Phenol

Concen: 2.409 ng

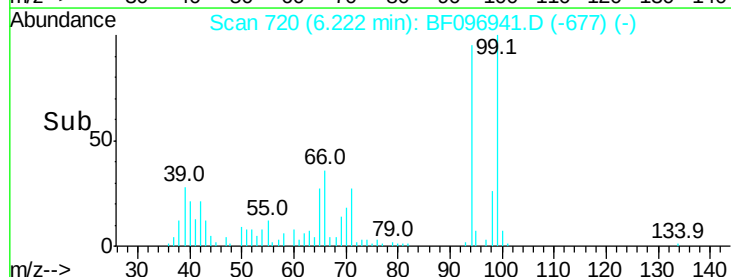
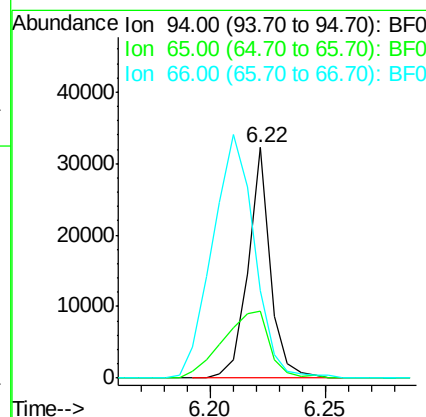
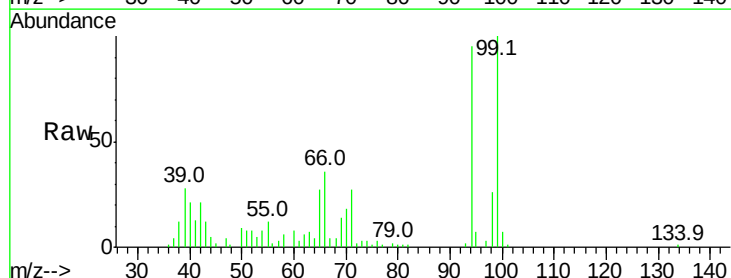
RT: 6.22 min Scan# 720

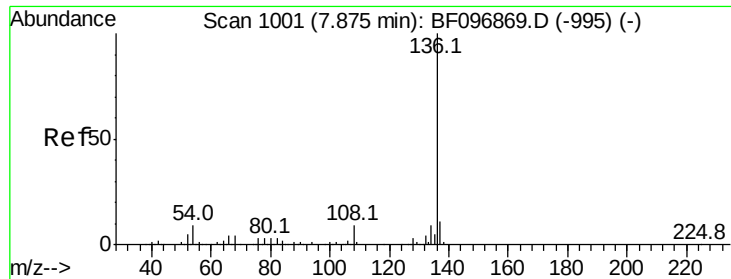
Delta R.T. -0.05 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		21831		
65	28.9	9.9	49.9		
66	38.1	23.1	63.1		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.83 min Scan# 994

Delta R.T. -0.05 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Instrument :

BNA_F

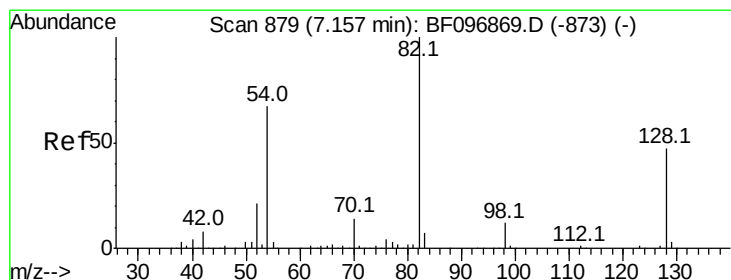
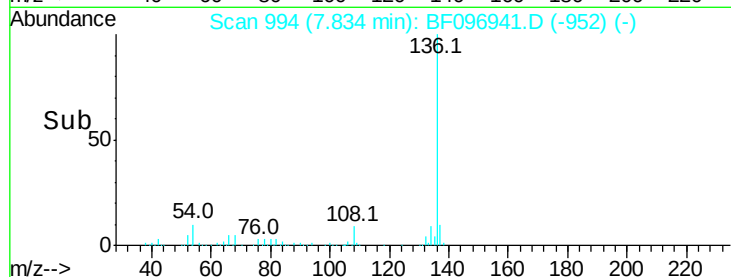
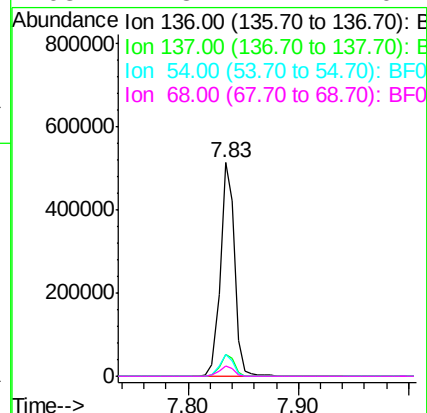
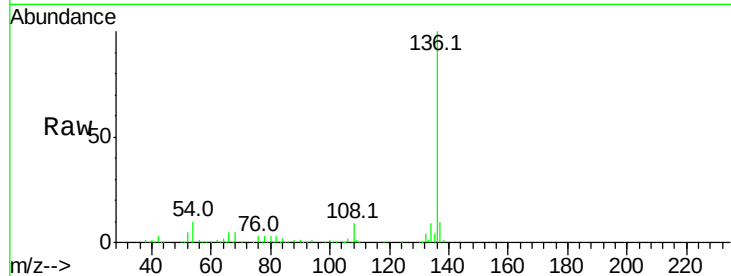
ClientSampleId :

E2-06-BASE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.2	8.5	12.7	
54	10.5	4.9	7.3#	
68	4.8	4.1	6.1	

Manual Integrations
APPROVED

Sohil
7/24/2017 3:05:08 PM



#23

Nitrobenzene-d5

Concen: 64.244 ng

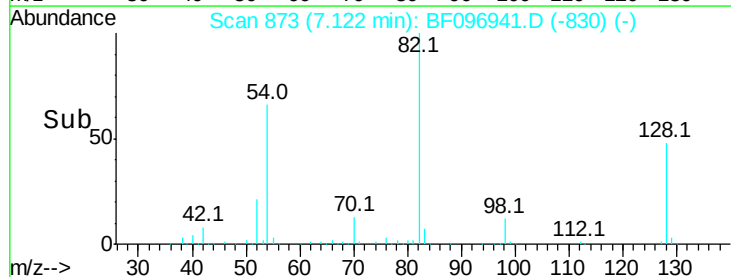
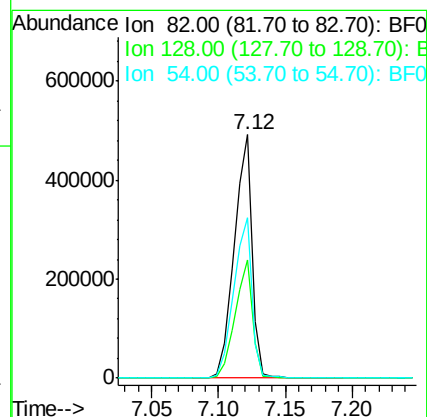
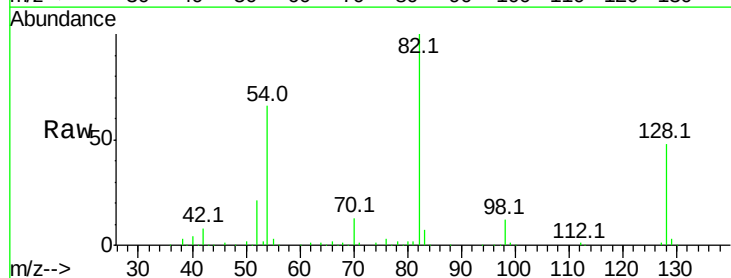
RT: 7.12 min Scan# 873

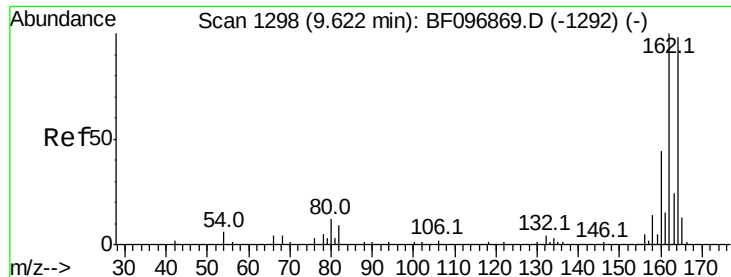
Delta R.T. -0.05 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.4	34.0	51.0	
54	65.9	42.2	63.2#	





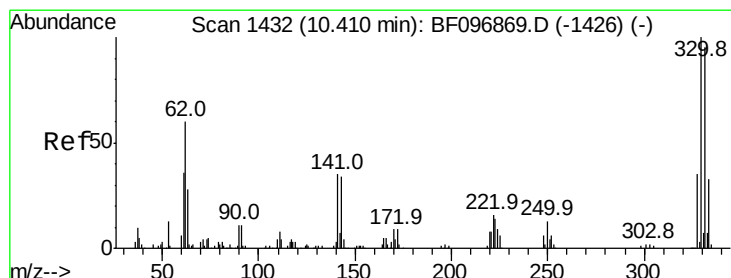
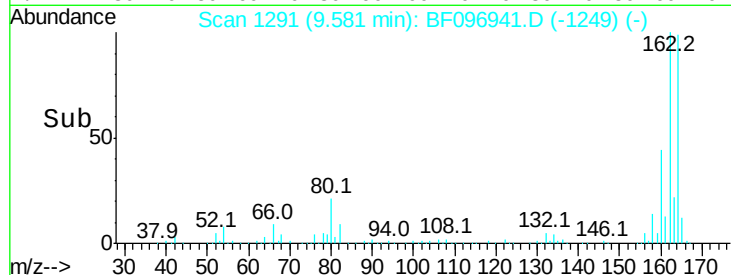
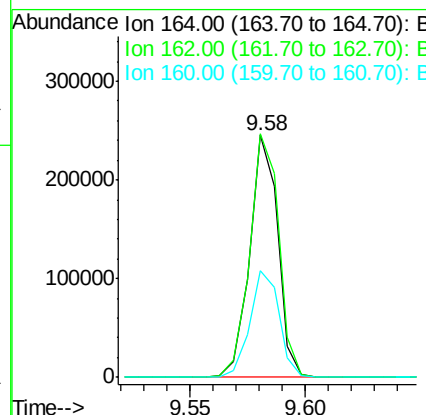
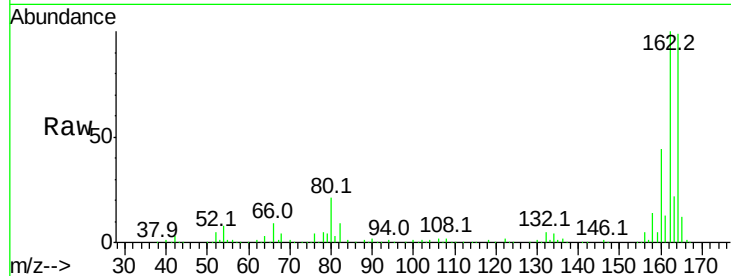
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.58 min Scan# 1291
Delta R.T. -0.05 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

Instrument :
BNA_F
ClientSampleId :
E2-06-BASE

Tot Ion	Ratio	Resp	Lower	Upper
164	100	208795		
162	100.5	82.6	123.8	
160	43.9	36.2	54.2	

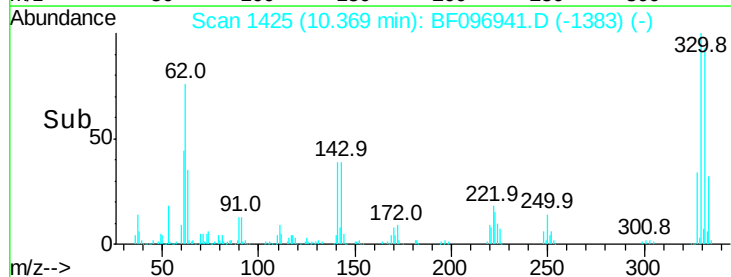
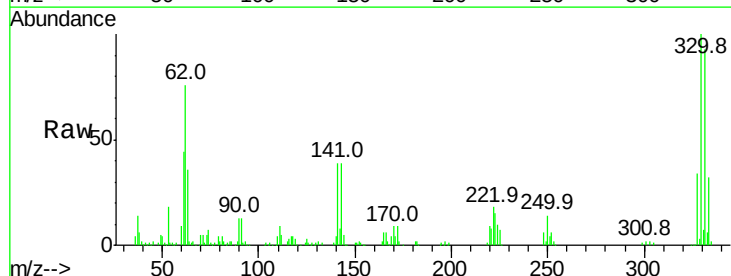
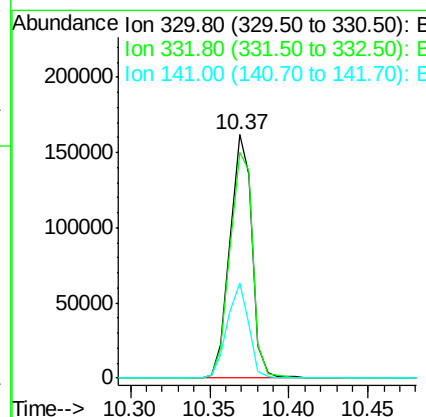
Manual Integrations
APPROVED

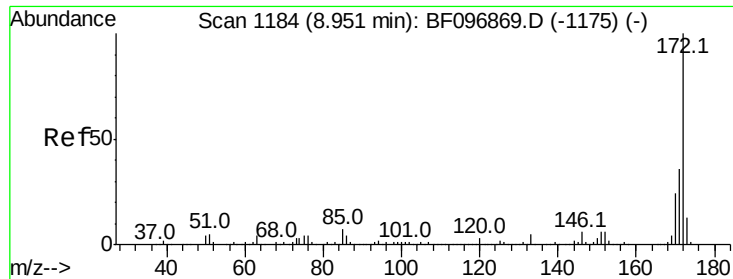
Sohil
7/24/2017 3:05:08 PM



#41
2,4,6-Tribromophenol
Concen: 87.502 ng
RT: 10.37 min Scan# 1425
Delta R.T. -0.05 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	155949		
332	95.8	76.6	115.0	
141	37.9	31.4	47.2	





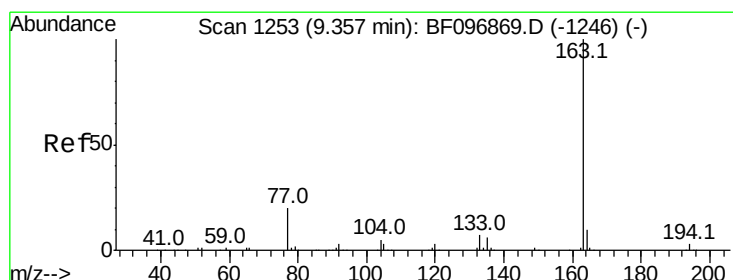
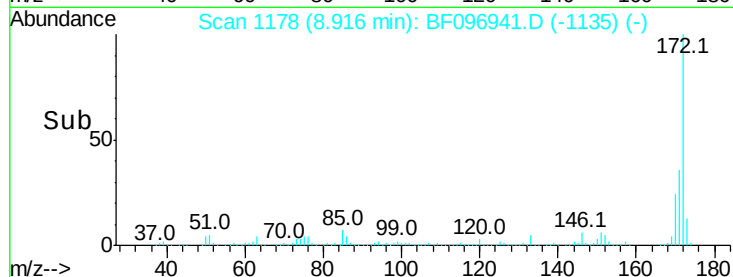
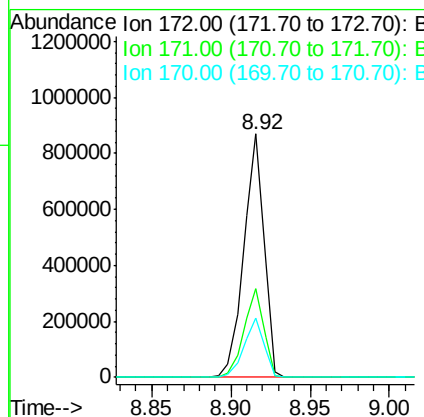
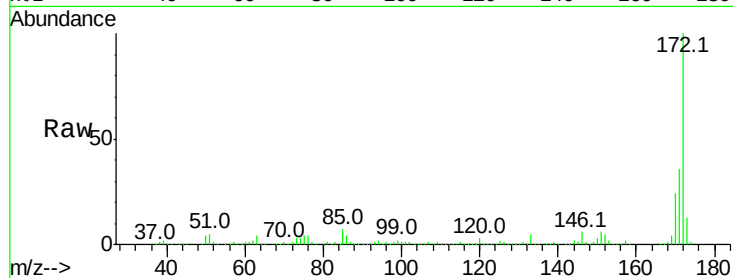
#44
2-Fluorobiphenyl
Concen: 57.825 ng
RT: 8.92 min Scan# 1178
Delta R.T. -0.05 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

Instrument :
BNA_F
ClientSampleId :
E2-06-BASE

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.6	44.4	
170	24.3	19.8	29.8	

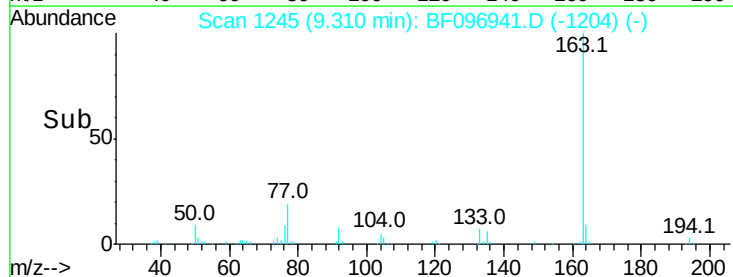
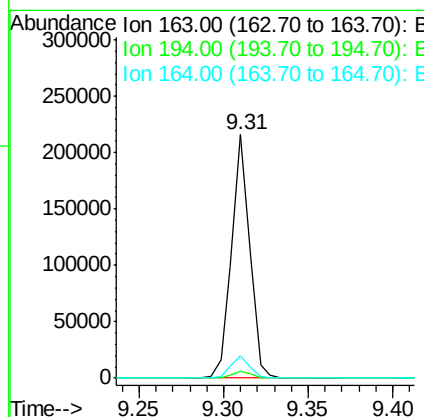
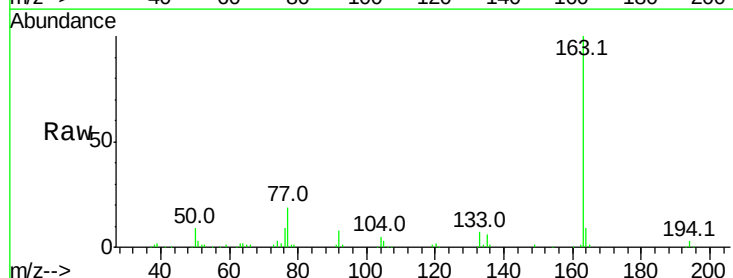
Manual Integrations
APPROVED

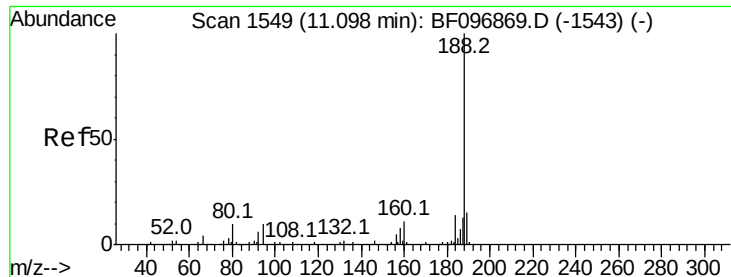
Sohil
7/24/2017 3:05:08 PM



#49
Dimethylphthalate
Concen: 10.266 ng
RT: 9.31 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	2.9	2.6	4.0	
164	9.3	8.4	12.6	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.06 min Scan# 1542

Delta R.T. -0.05 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Instrument :

BNA_F

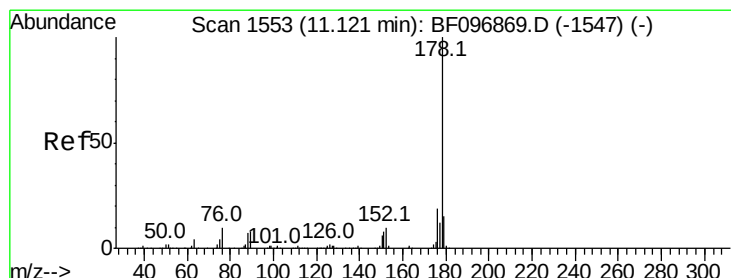
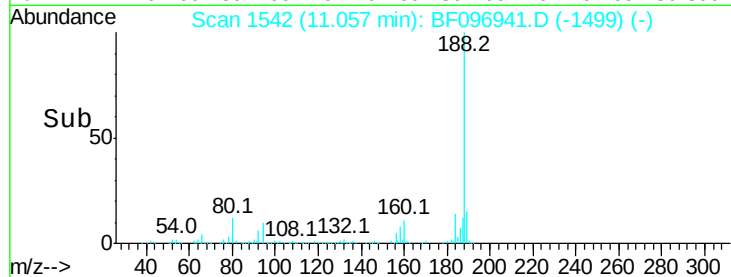
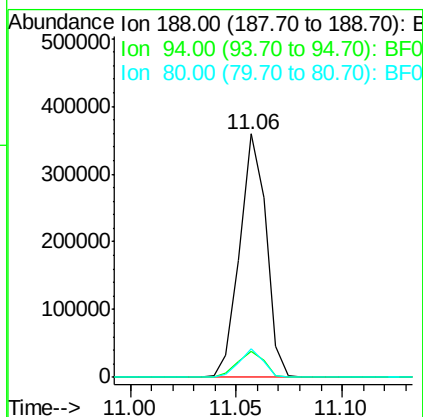
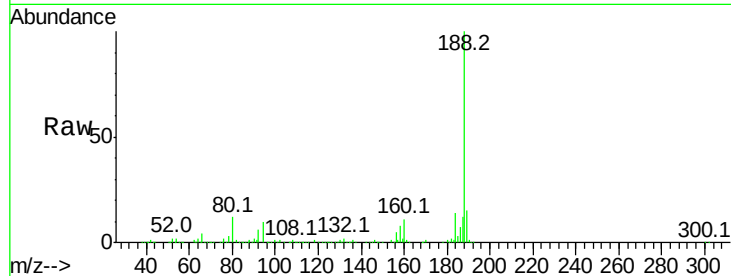
ClientSampleId :

E2-06-BASE

Tot Ion:	188	Resp:	312590
Ion Ratio	Lower	Upper	
188	100		
94	10.5	9.4	14.2
80	11.6	10.2	15.2

Manual Integrations
APPROVED

Sohil
7/24/2017 3:05:08 PM



#70

Phenanthrene

Concen: 11.868 ng

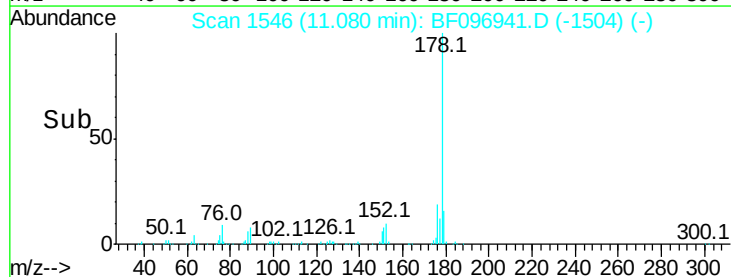
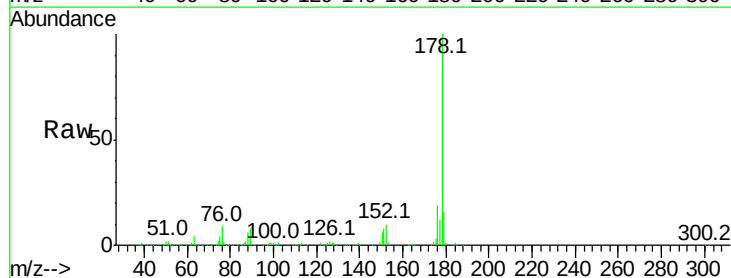
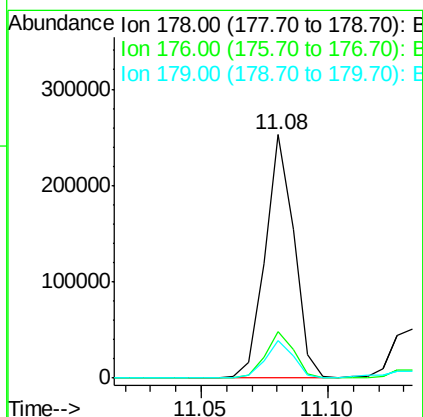
RT: 11.08 min Scan# 1546

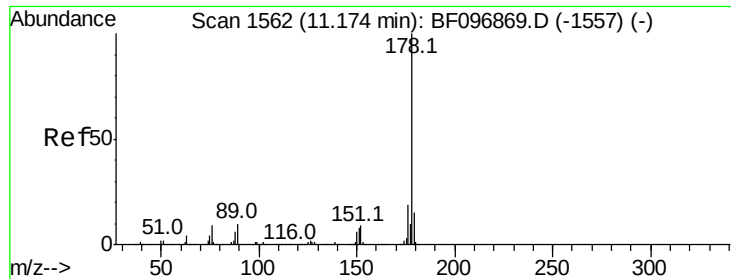
Delta R.T. -0.05 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Tgt Ion:	178	Resp:	201720
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.2	24.4
179	15.5	12.6	19.0





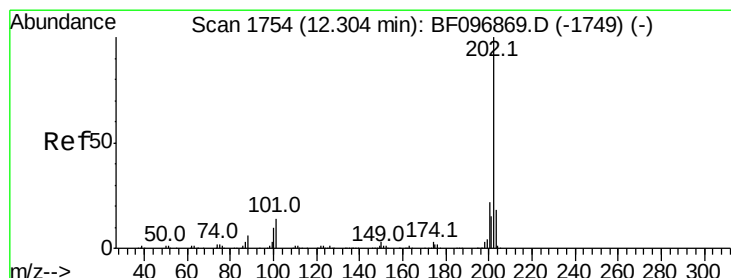
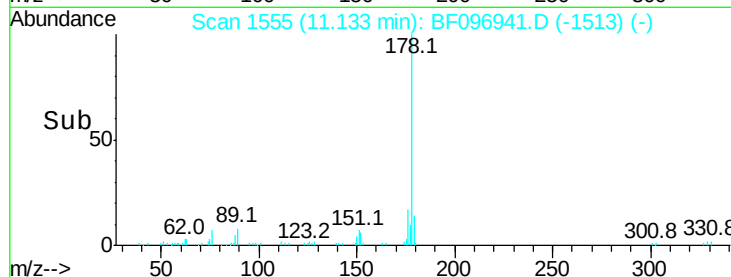
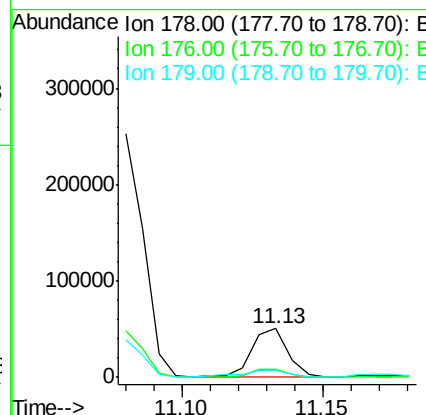
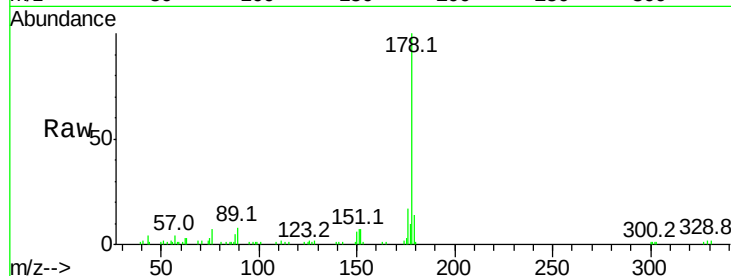
#71
 Anthracene
 Concen: 2.551 ng
 RT: 11.13 min Scan# 1555
 Delta R.T. -0.05 min
 Lab File: BF096941.D
 Acq: 21 Jul 2017 13:50

Instrument :
 BNA_F
 ClientSampleId :
 E2-06-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.8	23.8
179	13.8	12.7	19.1

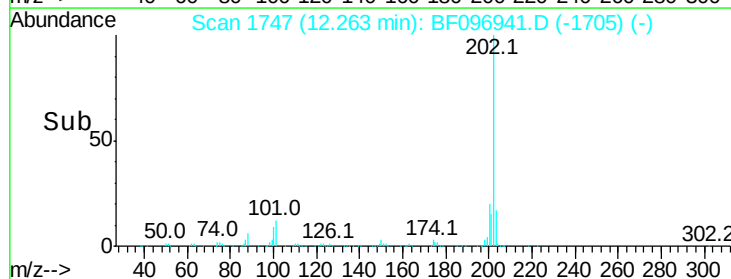
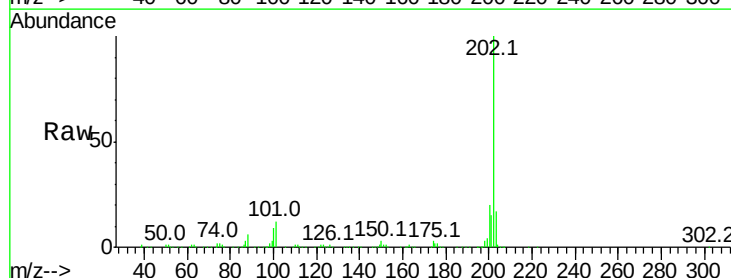
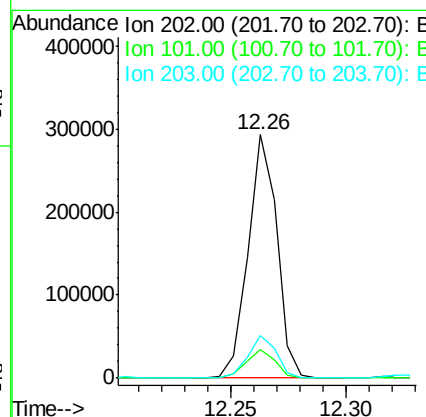
Manual Integrations
 APPROVED

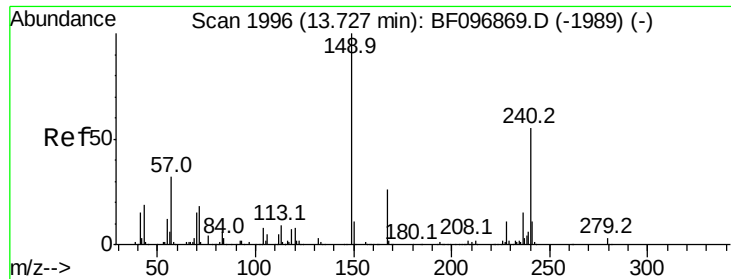
Sohil
 7/24/2017 3:05:08 PM



#74
 Fluoranthene
 Concen: 15.785 ng
 RT: 12.26 min Scan# 1747
 Delta R.T. -0.05 min
 Lab File: BF096941.D
 Acq: 21 Jul 2017 13:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.2
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.69 min Scan# 1989

Delta R.T. -0.05 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Instrument :

BNA_F

ClientSampleId :

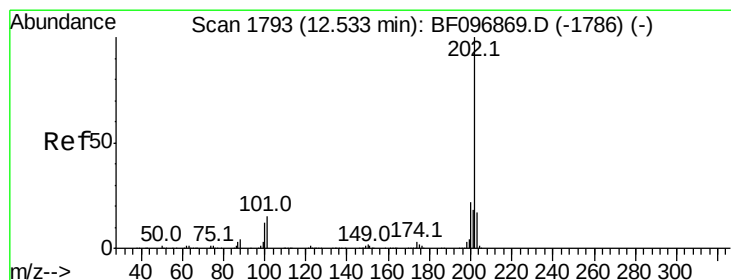
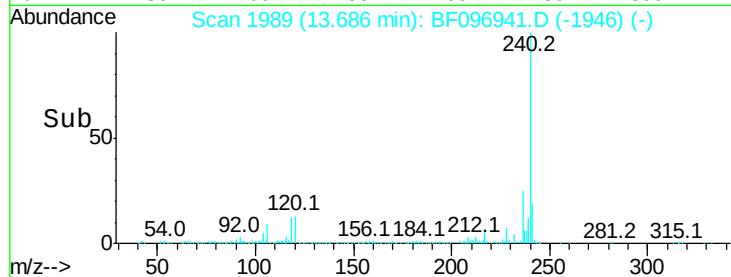
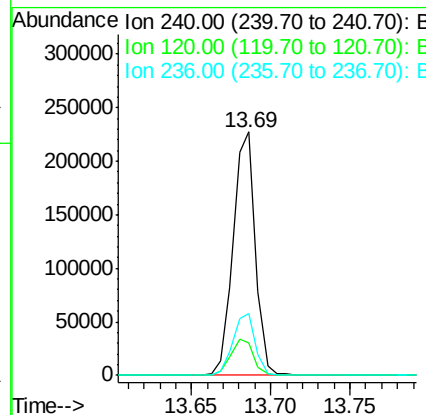
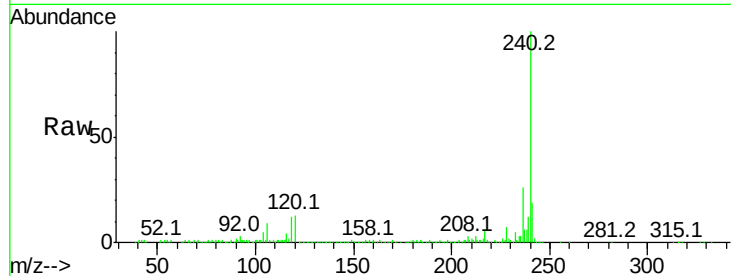
E2-06-BASE

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	5.8	8.8#
236	25.7	20.5	30.7

Manual Integrations
APPROVED

Sohil

7/24/2017 3:05:08 PM



#77

Pyrene

Concen: 11.991 ng

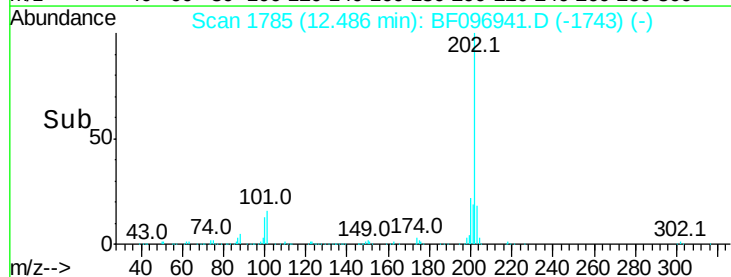
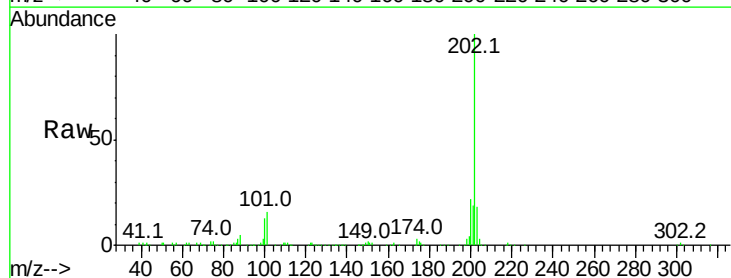
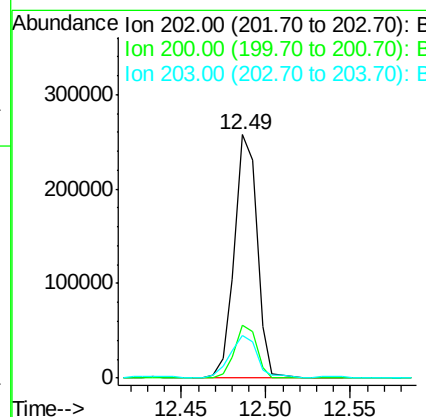
RT: 12.49 min Scan# 1785

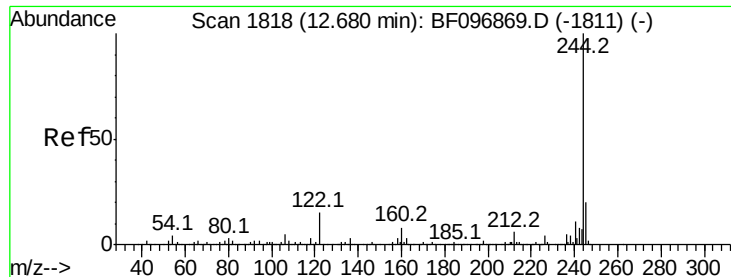
Delta R.T. -0.05 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	17.6	14.4	21.6





#78

Terphenyl-d14

Concen: 41.068 ng

RT: 12.65 min Scan# 1812

Delta R.T. -0.05 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Instrument :

BNA_F

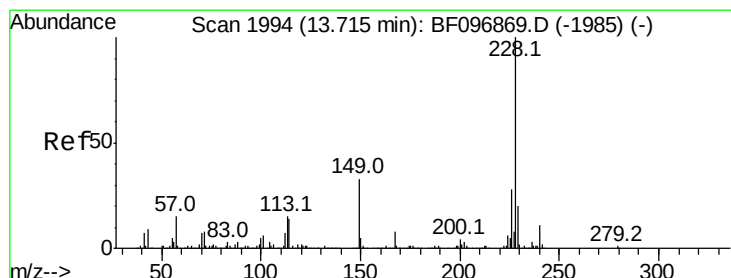
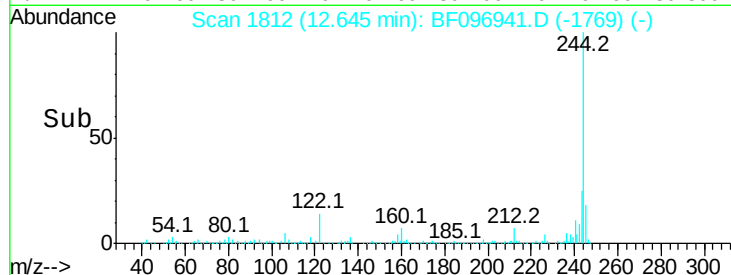
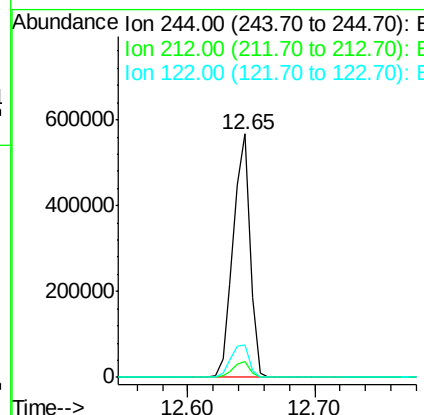
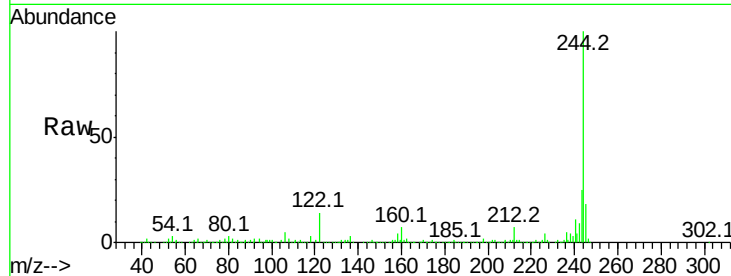
ClientSampleId :

E2-06-BASE

Tot Ion:	244	Resp:	521971
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.0	9.0
122	13.6	10.3	15.5

Manual Integrations
APPROVED

Sohil
7/24/2017 3:05:08 PM



#80

Benzo(a)anthracene

Concen: 8.005 ng

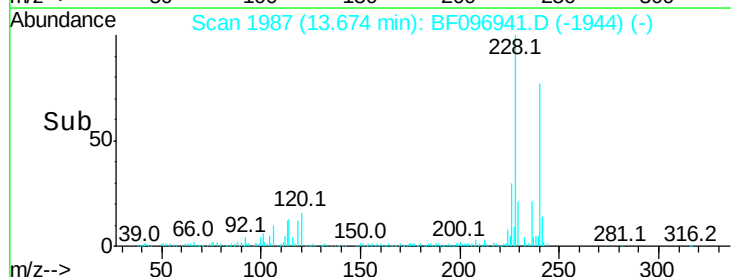
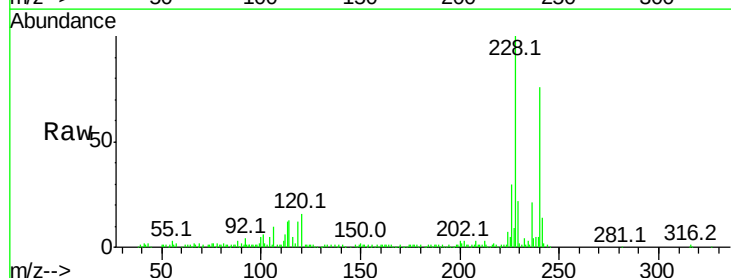
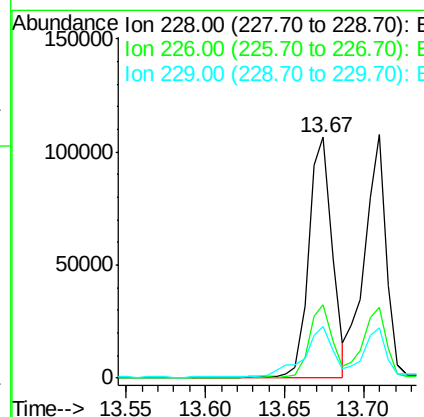
RT: 13.67 min Scan# 1987

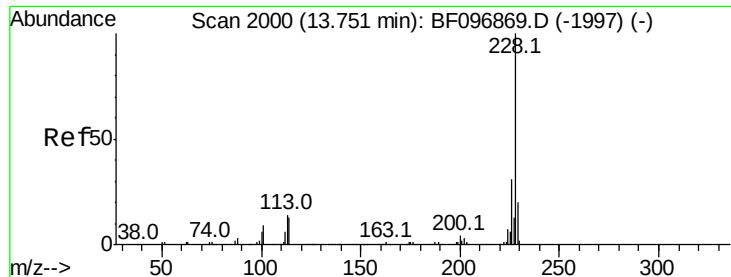
Delta R.T. -0.05 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Tgt Ion:	228	Resp:	109944
Ion Ratio	Lower	Upper	
228	100		
226	30.4	22.6	33.8
229	21.5	16.3	24.5





#82

Chrysene

Concen: 7.657 ng

RT: 13.71 min Scan# 1993

Delta R.T. -0.05 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Instrument :

BNA_F

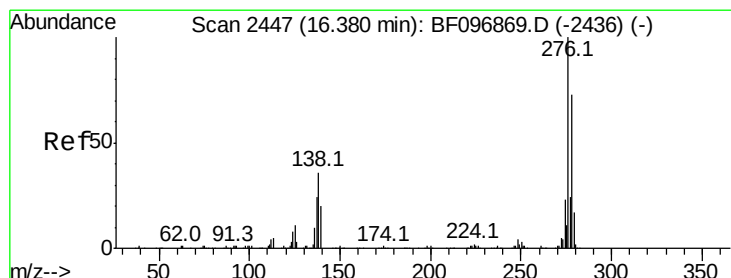
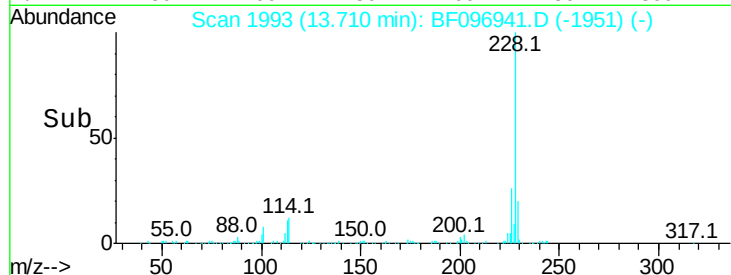
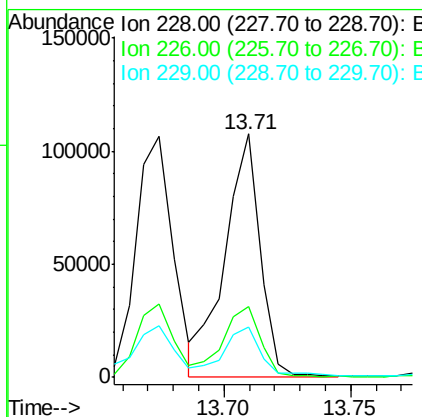
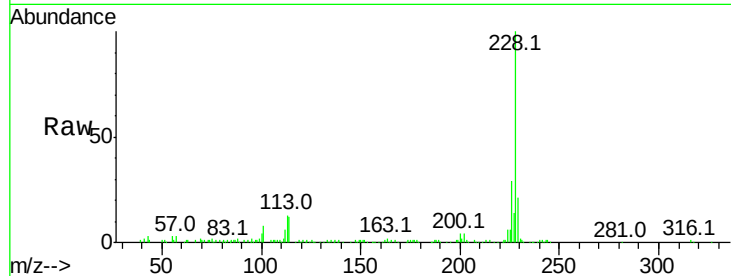
ClientSampled :

E2-06-BASE

Tot Ion:	228	Resp:	103522
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.9	37.3
229	20.7	15.8	23.6

Manual Integrations
APPROVED

Sohil
7/24/2017 3:05:08 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.131 ng

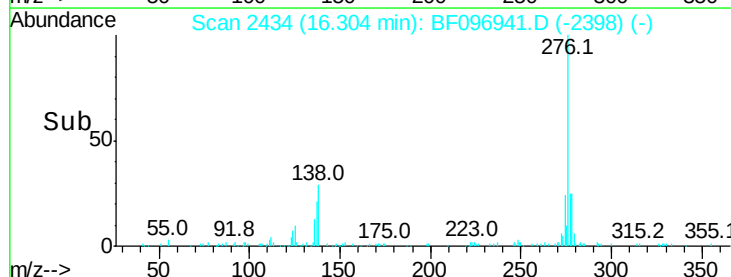
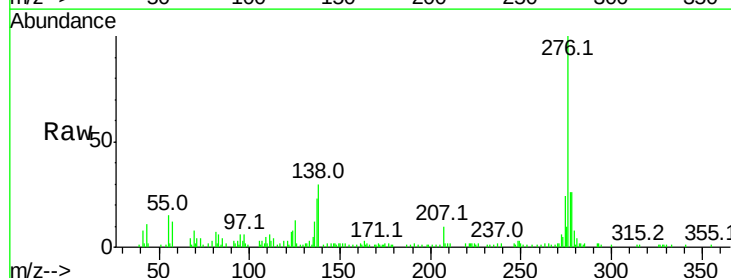
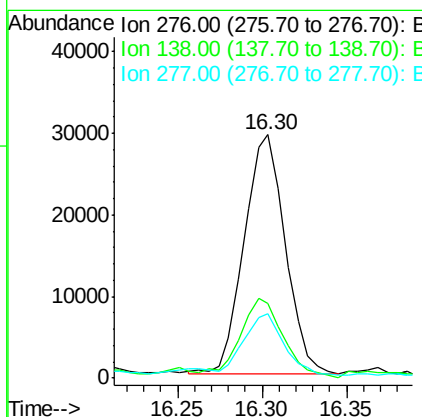
RT: 16.30 min Scan# 2434

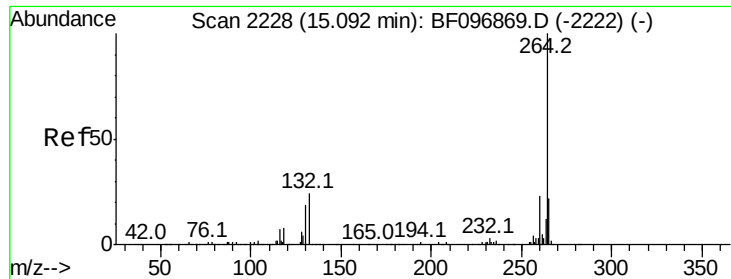
Delta R.T. -0.09 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Tgt Ion:	276	Resp:	49632
Ion Ratio	Lower	Upper	
276	100		
138	35.5	27.8	41.6
277	28.1	20.2	30.4





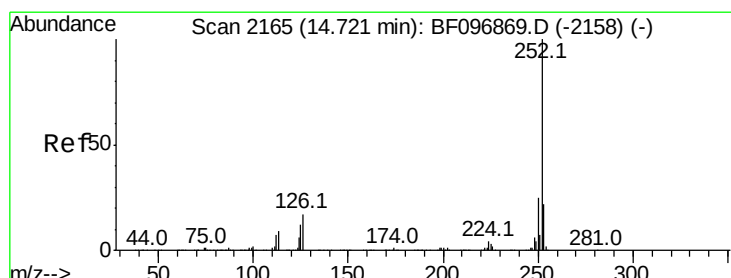
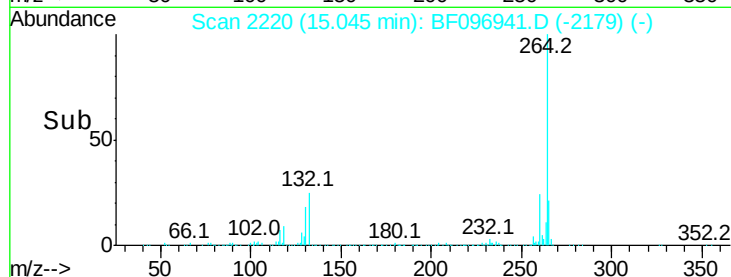
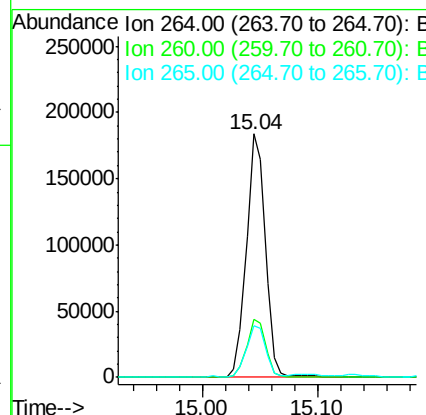
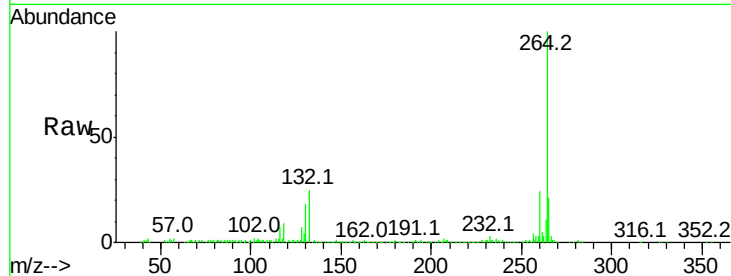
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.04 min Scan# 2220
Delta R.T. -0.06 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

Instrument :
BNA_F
ClientSampleId :
E2-06-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.2	17.2	25.8

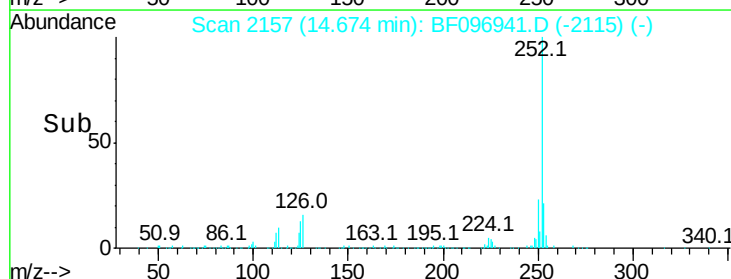
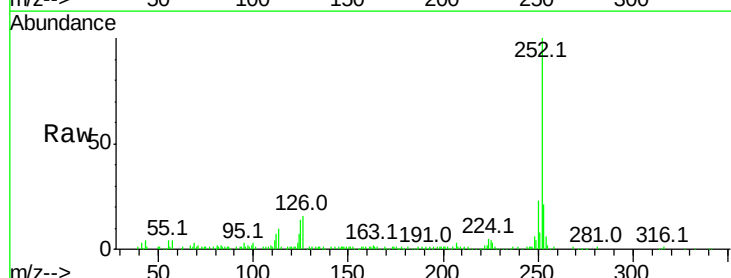
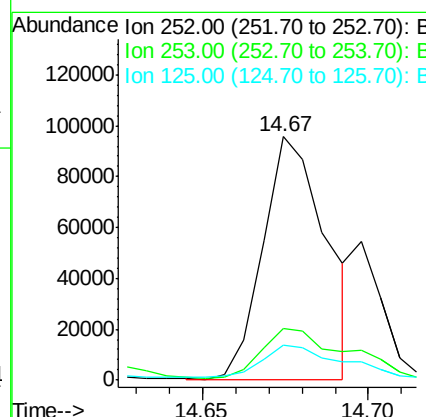
Manual Integrations
APPROVED

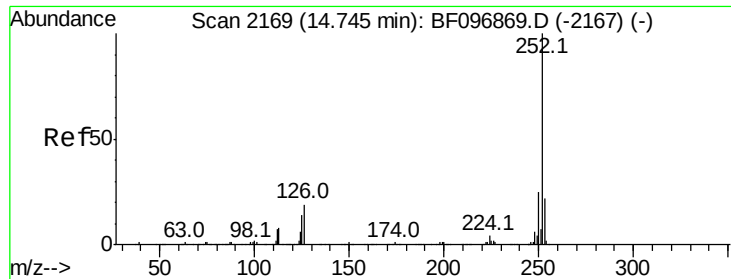
Sohil
7/24/2017 3:05:08 PM



#87
Benzo(b)fluoranthene
Concen: 10.034 ng m
RT: 14.67 min Scan# 2157
Delta R.T. -0.05 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.1	27.1
125	14.2	9.8	14.8





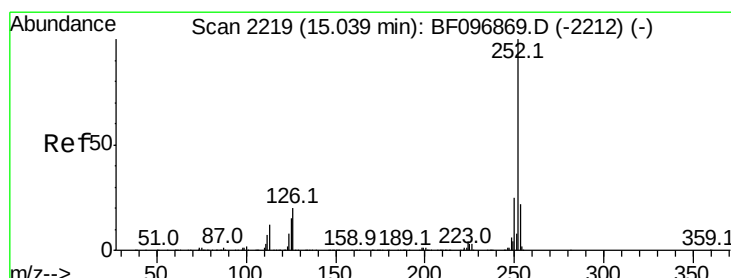
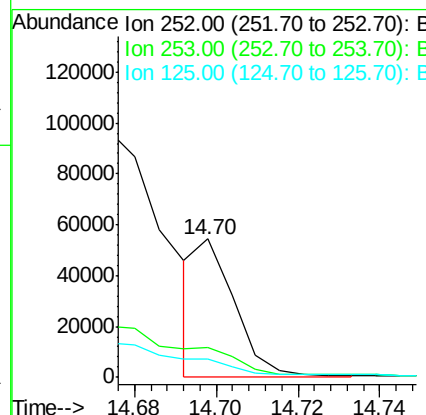
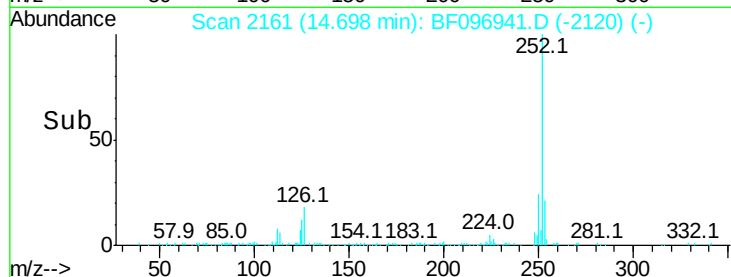
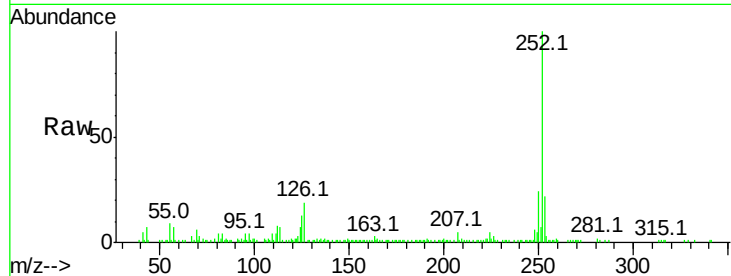
#88
Benzo(k)fluoranthene
Concen: 2.904 ng m
RT: 14.70 min Scan# 2161
Delta R.T. -0.06 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

Instrument :
BNA_F
ClientSampleId :
E2-06-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.4	27.6
125	13.4	13.1	19.7

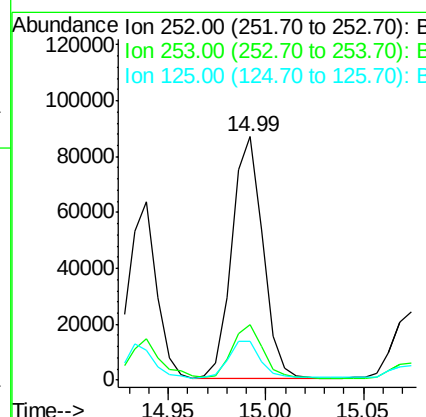
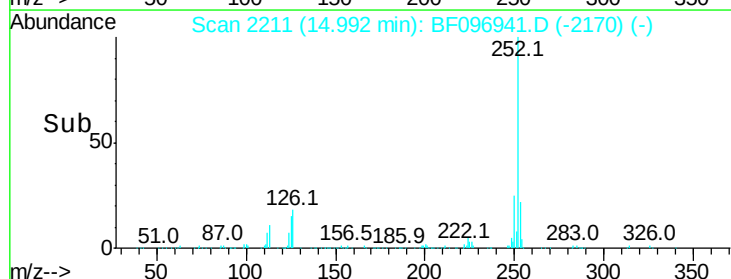
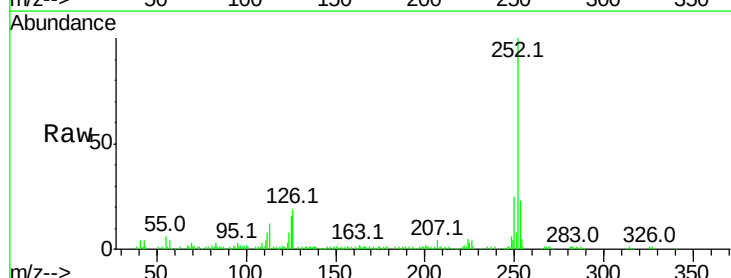
Manual Integrations
APPROVED

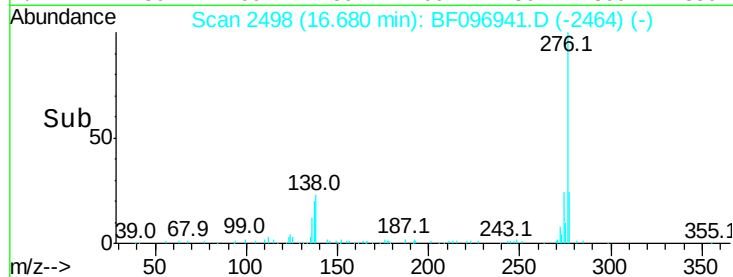
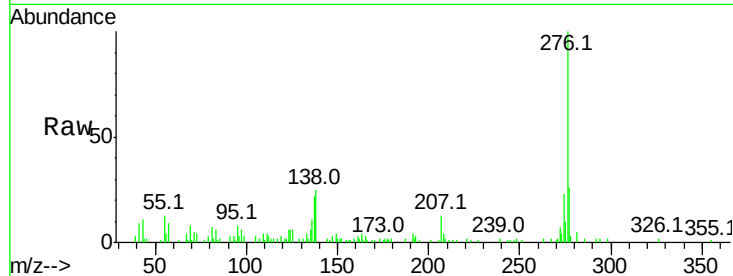
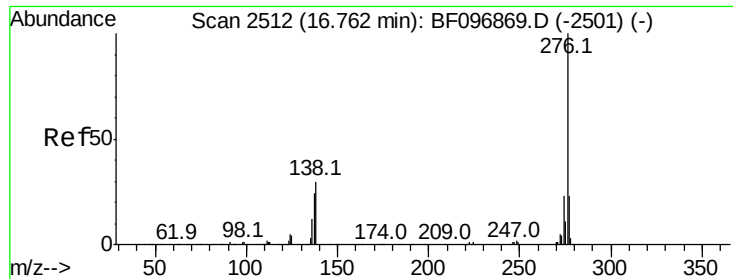
Sohil
7/24/2017 3:05:08 PM



#89
Benzo(a)pyrene
Concen: 8.263 ng
RT: 14.99 min Scan# 2211
Delta R.T. -0.06 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	16.0	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 4.032 ng m

RT: 16.68 min Scan# 2498

Delta R.T. -0.10 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Instrument :

BNA_F

ClientSampleId :

E2-06-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.6	28.0
138	25.0	25.4	38.0

Manual Integrations
APPROVED

Sohil
7/24/2017 3:05:08 PM

