

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091217\
 Data File : BF098453.D
 Acq On : 12 Sep 2017 16:35
 Operator : SJ/JU
 Sample : I5119-01RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-116A(0-5)COMPRES

Manual Integrations
 APPROVED

Sohil
 9/13/2017 5:00:03 PM

Quant Time: Sep 13 01:28:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	228022	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	927395	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	384391	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	597535	20.00	ng	-0.01
75) Chrysene-d12	13.81	240	426160	20.00	ng	0.00
86) Perylene-d12	15.21	264	363115	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	520102	33.72	ng	-0.01
7) Phenol-d6	6.32	99	766497	39.14	ng	0.00
23) Nitrobenzene-d5	7.23	82	407481	24.50	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	285744	111.38	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1023571	45.13	ng	-0.01
78) Terphenyl-d14	12.76	244	1315455	66.63	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.42	163	165832	5.573	ng	99
70) Phenanthrene	11.20	178	486620	15.362	ng	98
71) Anthracene	11.25	178	134936	4.149	ng	98
74) Fluoranthene	12.39	202	1312411	41.386	ng	98
77) Pyrene	12.62	202	1332138	39.625	ng	99
80) Benzo(a)anthracene	13.80	228	743312	29.750	ng	98
82) Chrysene	13.84	228	649351	25.711	ng	97
85) Indeno(1,2,3-cd)pyrene	16.55	276	276167	15.586	ng	95
87) Benzo(b)fluoranthene	14.82	252	769770m	33.715	ng	
88) Benzo(k)fluoranthene	14.84	252	289221m	13.569	ng	
89) Benzo(a)pyrene	15.16	252	582307	28.628	ng	98
90) Dibenzo(a,h)anthracene	16.56	278	71769m	4.850	ng	
91) Benzo(a,h,i)perylene	16.96	276	272028	18.278	ng	99

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

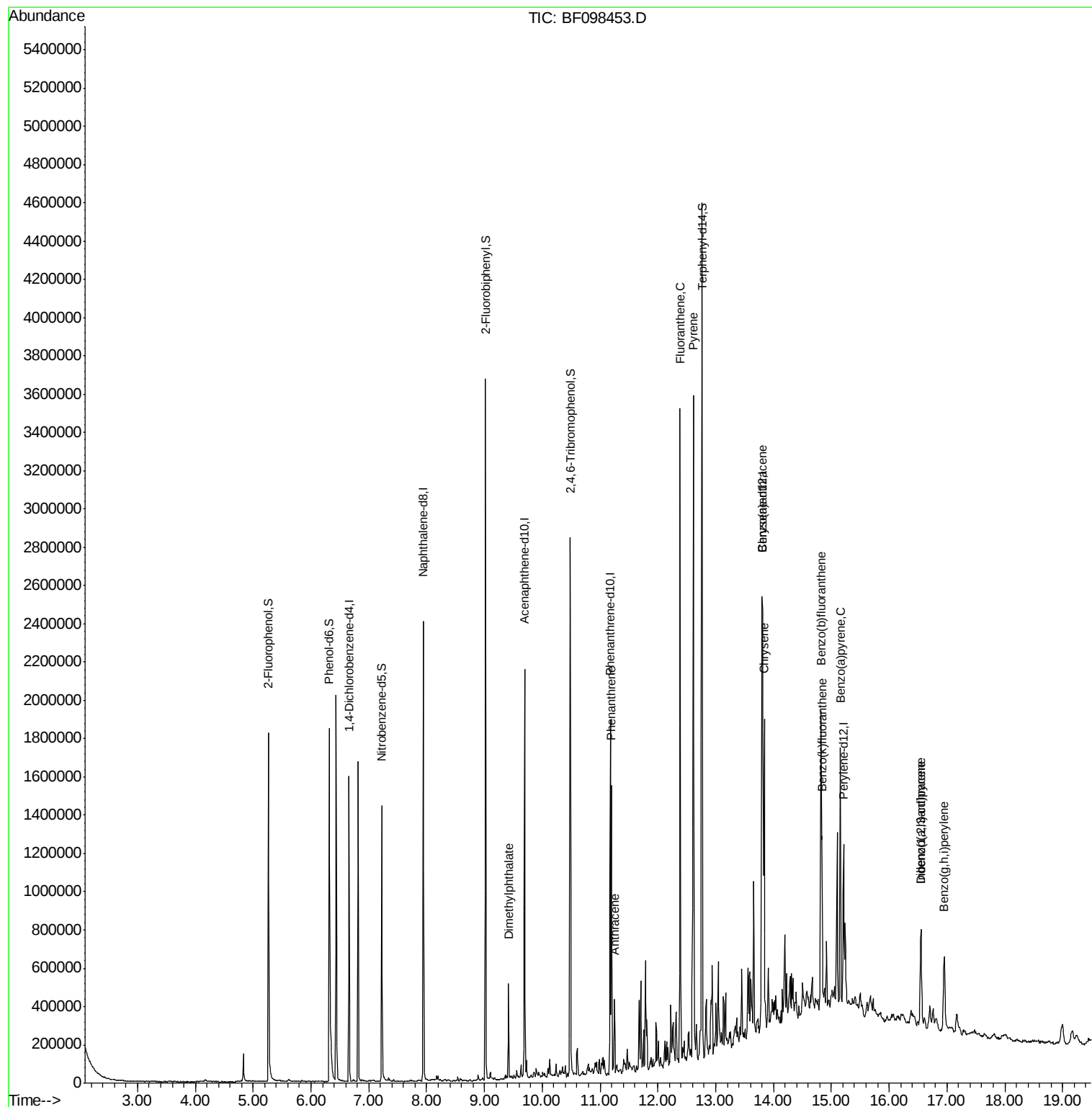
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091217\
Data File : BF098453.D
Acq On : 12 Sep 2017 16:35
Operator : SJ/JU
Sample : I5119-01RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

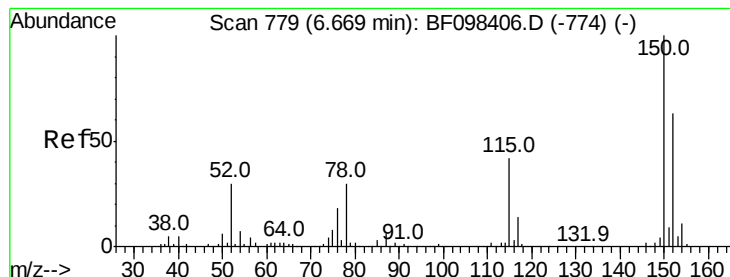
Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-116A(0-5)COMPRES

Manual Integrations
APPROVED

Sohil
9/13/2017 5:00:03 PM

Quant Time: Sep 13 01:28:46 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 02:14:50 2017
Response via : Initial Calibration





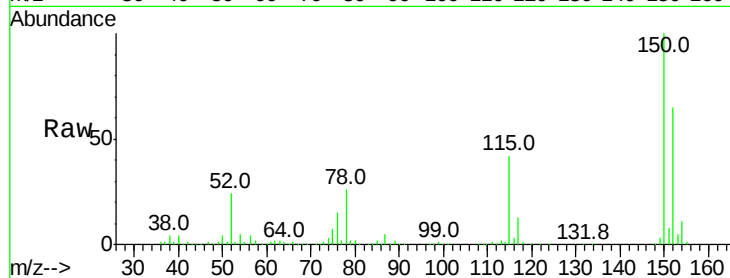
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.66 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF098453.D
 Acq: 12 Sep 2017 16:35

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-116A(0-5)COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.2	189.2
115	64.7	52.2	78.2

Manual Integrations
 APPROVED

Sohil
 9/13/2017 5:00:03 PM



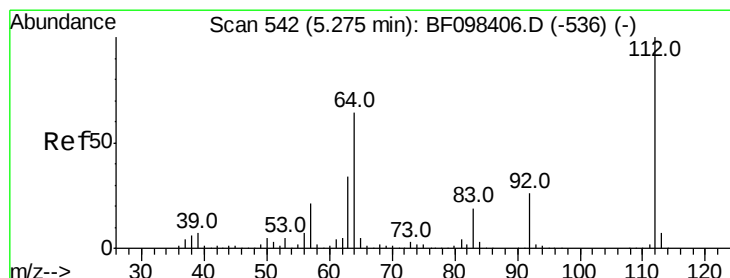
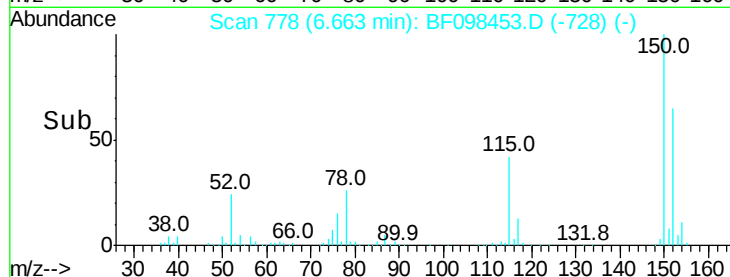
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

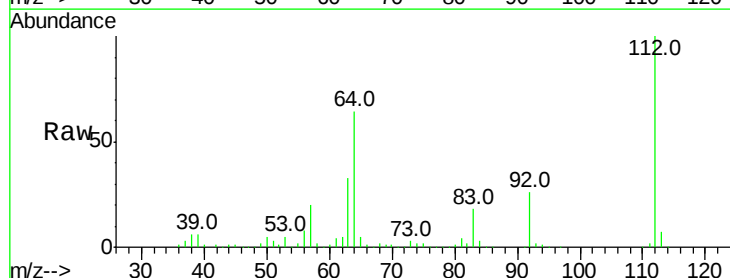
Ion 115.00 (114.70 to 115.70): E

Time-->



#5
 2-Fluorophenol
 Concen: 33.724 ng
 RT: 5.26 min Scan# 540
 Delta R.T. -0.01 min
 Lab File: BF098453.D
 Acq: 12 Sep 2017 16:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	46.0	69.0
63	33.1	23.4	35.0



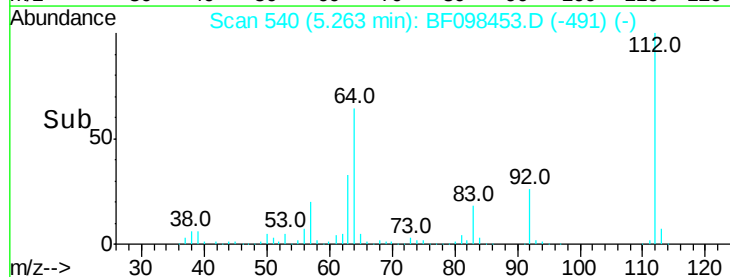
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 39.145 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF098453.D

Acq: 12 Sep 2017 16:35

Instrument :

BNA_F

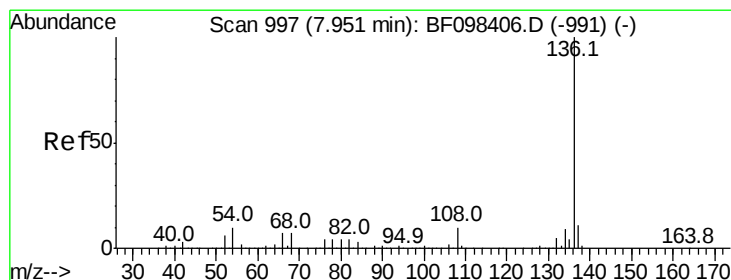
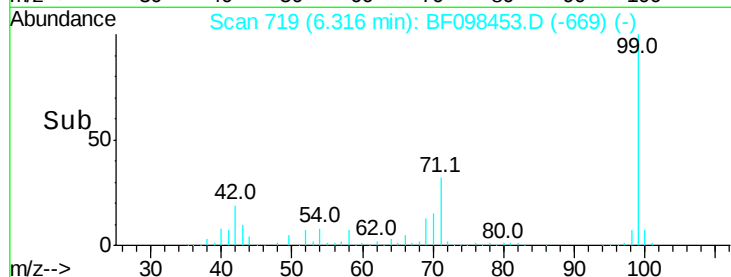
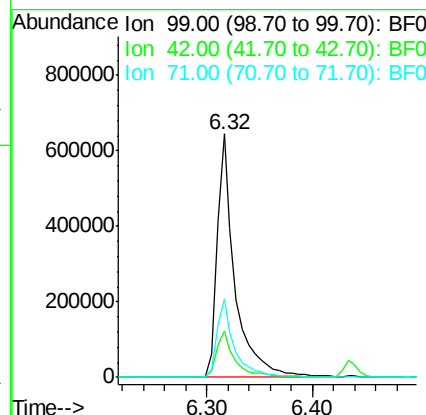
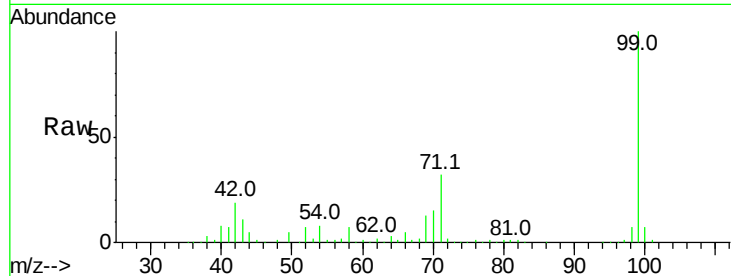
ClientSampleId :

SASP2P-TP-116A(0-5)COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		766497		
42	19.3	13.5	20.3		
71	32.3	24.5	36.7		

Manual Integrations
APPROVED

Sohil
9/13/2017 5:00:03 PM



#21

Naphthalene-d8

Concen: 20.000 ng

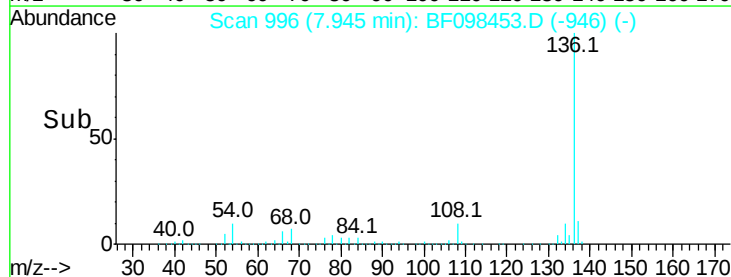
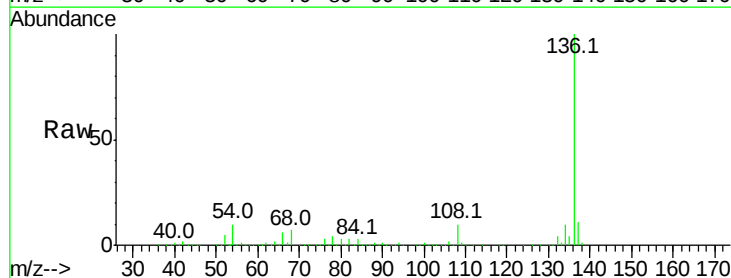
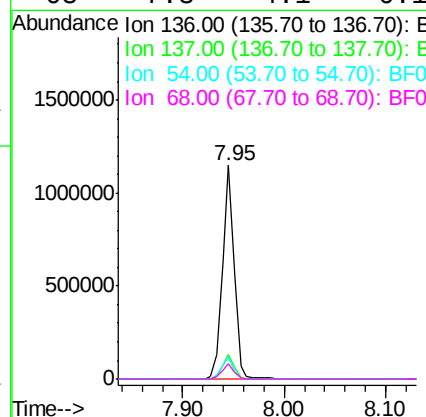
RT: 7.95 min Scan# 996

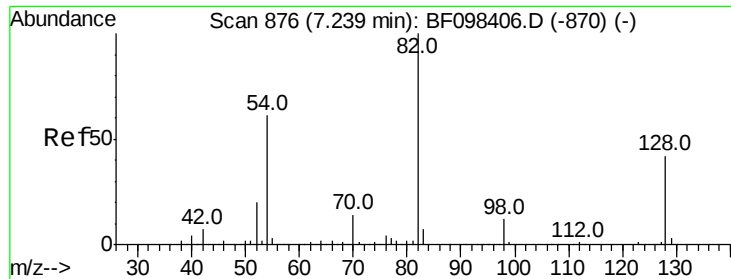
Delta R.T. -0.01 min

Lab File: BF098453.D

Acq: 12 Sep 2017 16:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		927395		
137	11.3	8.5	12.7		
54	10.1	4.9	7.3#		
68	7.3	4.1	6.1#		





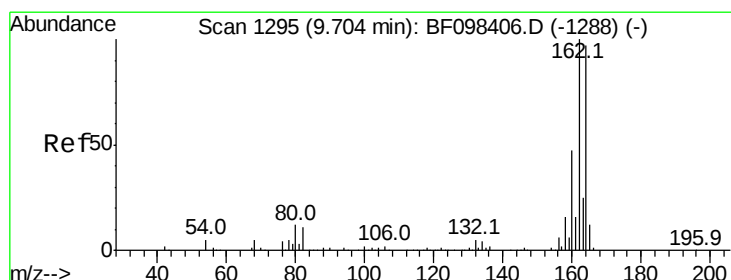
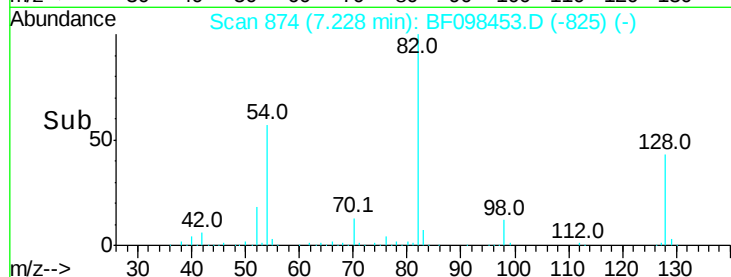
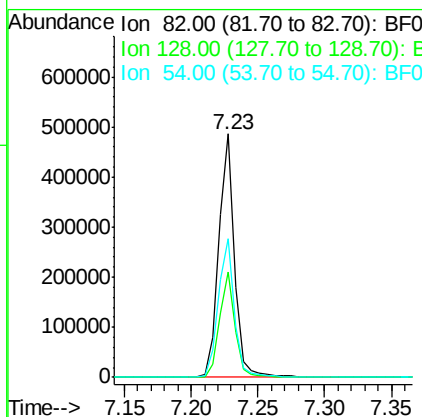
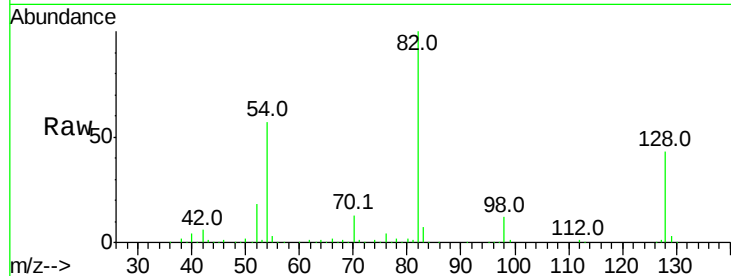
#23
 Nitrobenzene-d5
 Concen: 24.495 ng
 RT: 7.23 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: BF098453.D
 Acq: 12 Sep 2017 16:35

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-116A(0-5)COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.1	34.0	51.0	
54	56.9	42.2	63.2	

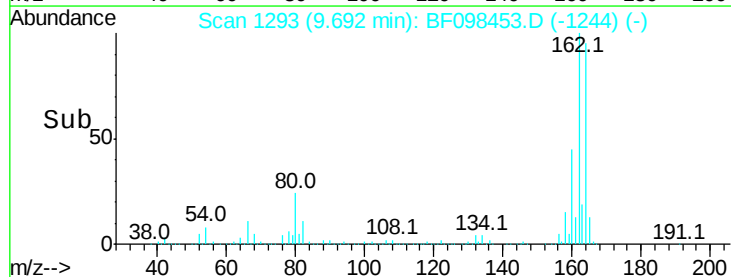
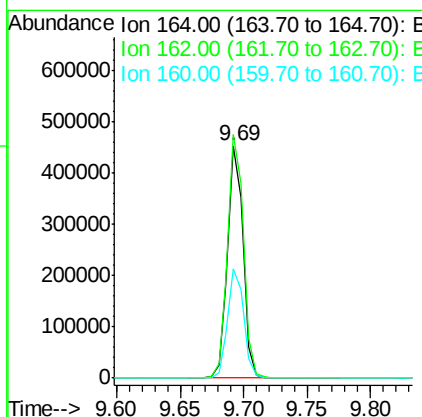
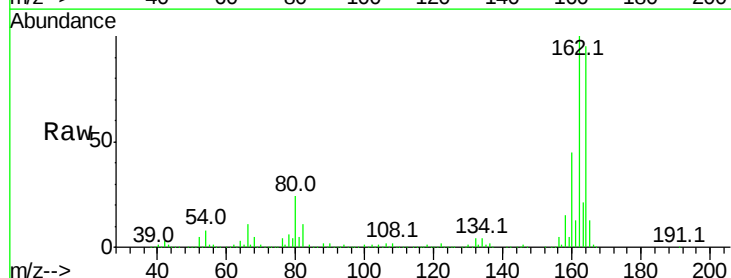
Manual Integrations
 APPROVED

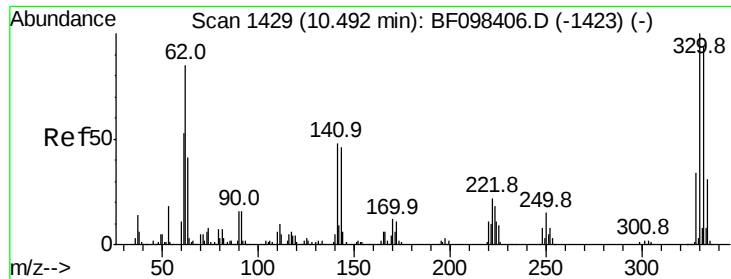
Sohil
 9/13/2017 5:00:03 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF098453.D
 Acq: 12 Sep 2017 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.8	82.6	123.8	
160	47.2	36.2	54.2	





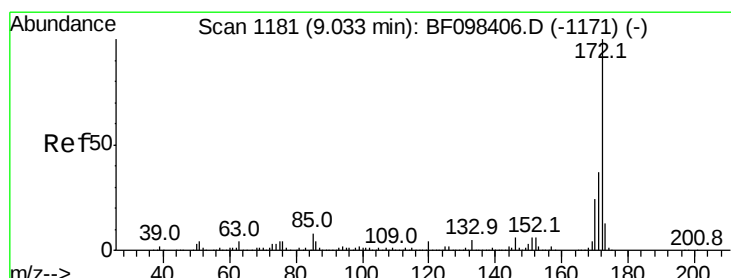
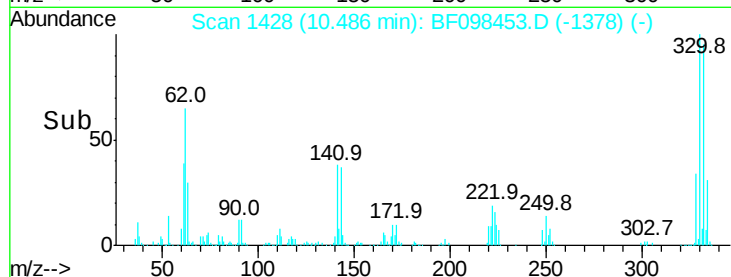
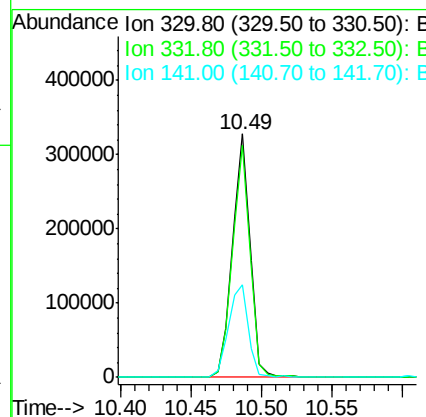
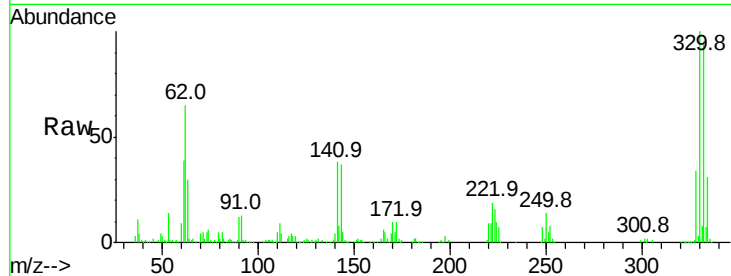
#41
 2,4,6-Tribromophenol
 Concen: 111.380 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF098453.D
 Acq: 12 Sep 2017 16:35

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-116A(0-5)COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	285744		
332	95.4	76.6	115.0	
141	43.4	31.4	47.2	

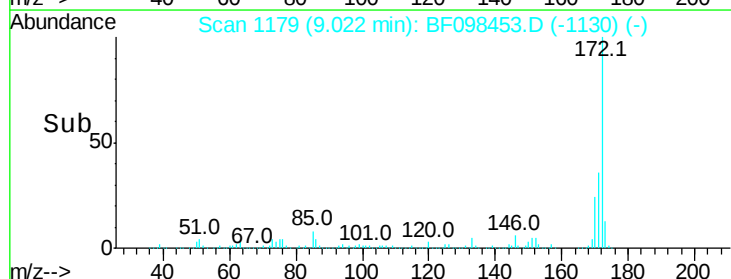
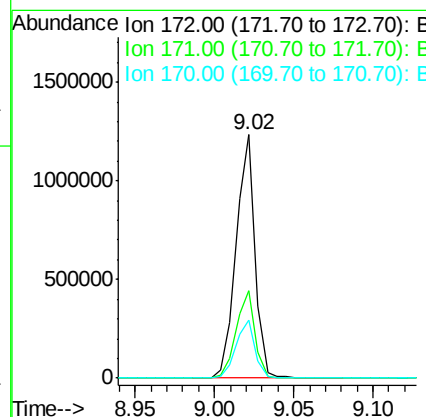
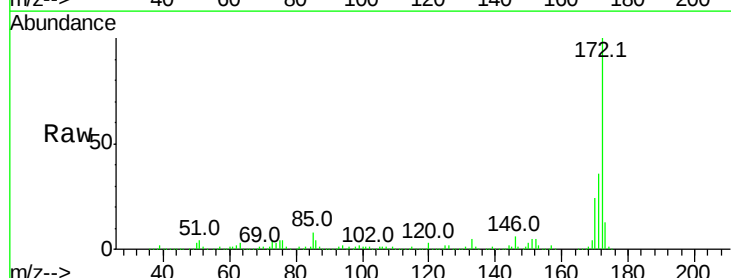
Manual Integrations
 APPROVED

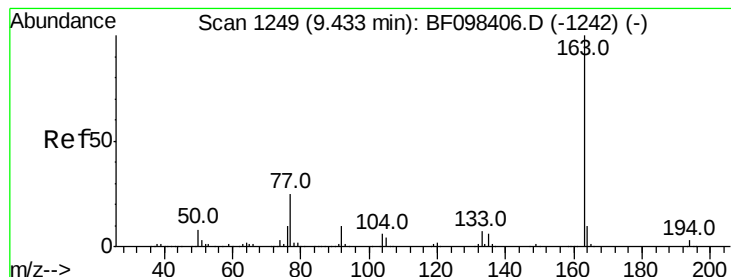
Sohil
 9/13/2017 5:00:03 PM



#44
 2-Fluorobiphenyl
 Concen: 45.133 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF098453.D
 Acq: 12 Sep 2017 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1023571		
171	36.0	29.6	44.4	
170	23.9	19.8	29.8	





#49

Dimethylphthalate

Concen: 5.573 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BF098453.D

Acq: 12 Sep 2017 16:35

Instrument :

BNA_F

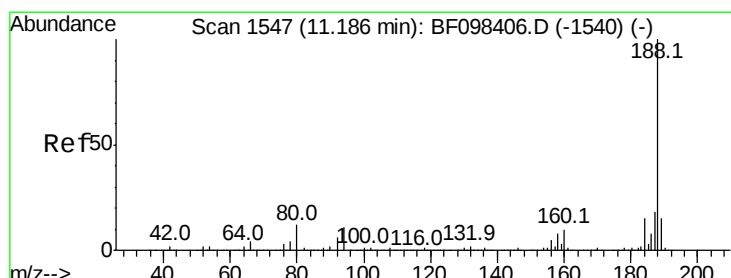
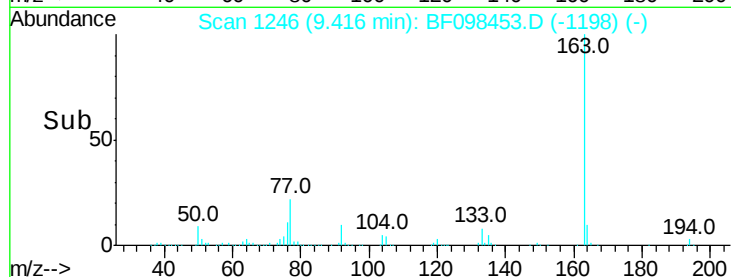
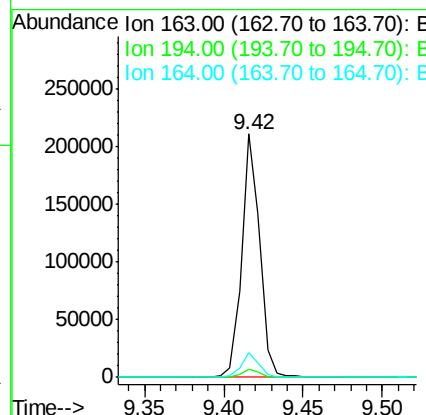
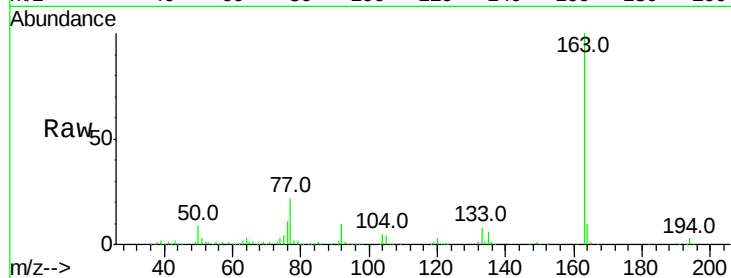
ClientSampleId :

SASP2P-TP-116A(0-5)COMP

Tot Ion:	163	Resp:	165832
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.6	4.0
164	9.9	8.4	12.6

Manual Integrations
APPROVED

Sohil
9/13/2017 5:00:03 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

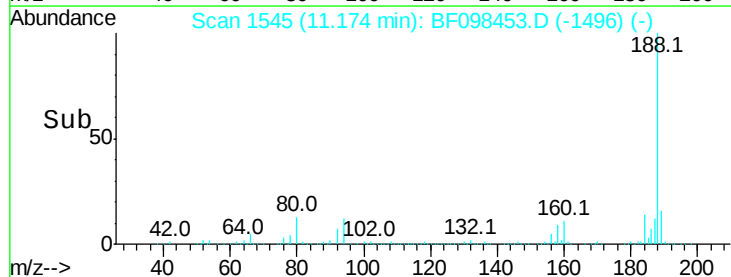
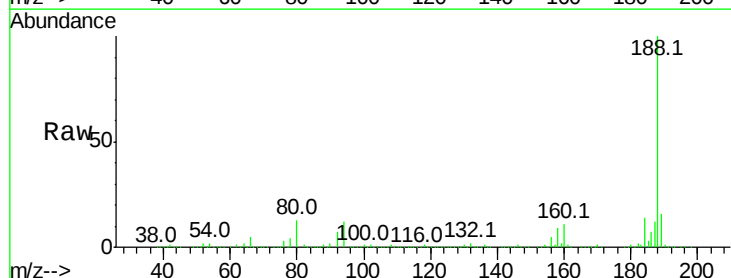
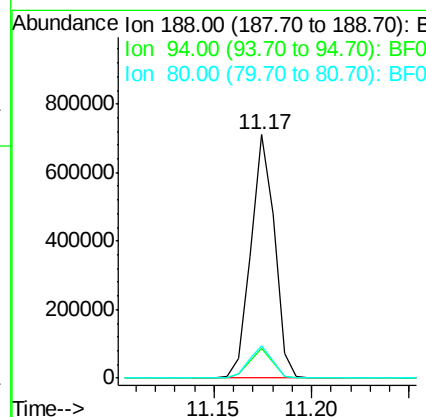
RT: 11.17 min Scan# 1545

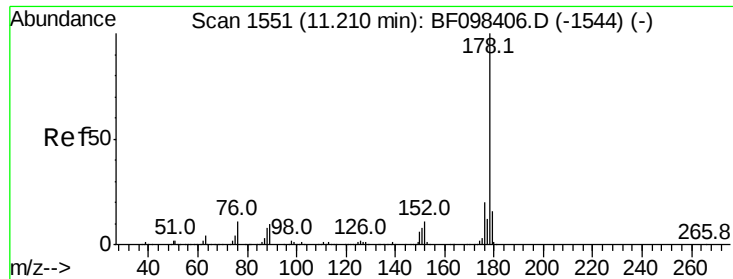
Delta R.T. -0.01 min

Lab File: BF098453.D

Acq: 12 Sep 2017 16:35

Tgt Ion:	188	Resp:	597535
Ion Ratio	Lower	Upper	
188	100		
94	12.4	9.4	14.2
80	13.3	10.2	15.2





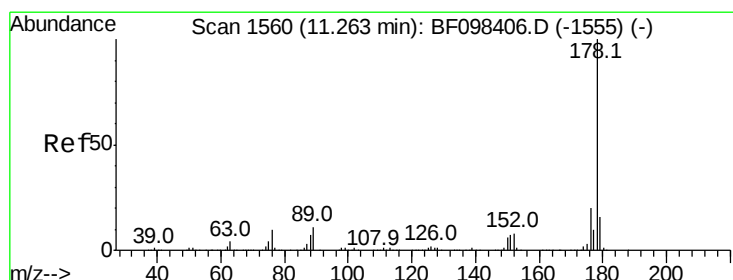
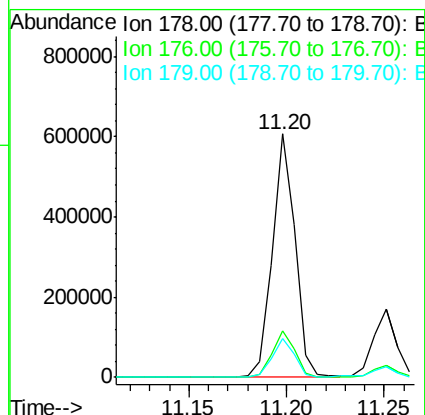
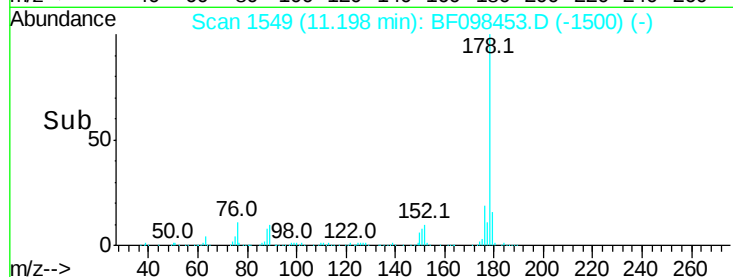
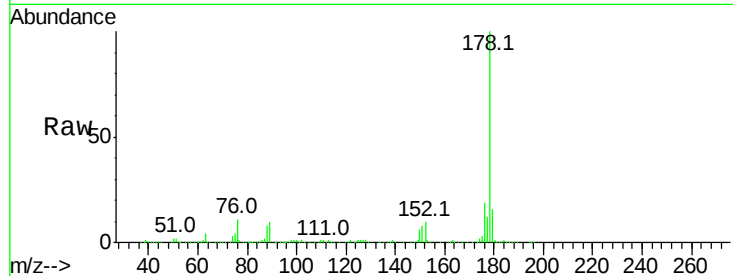
#70
Phenanthrene
Concen: 15.362 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF098453.D
Acq: 12 Sep 2017 16:35

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-116A(0-5)COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.8	12.6	19.0

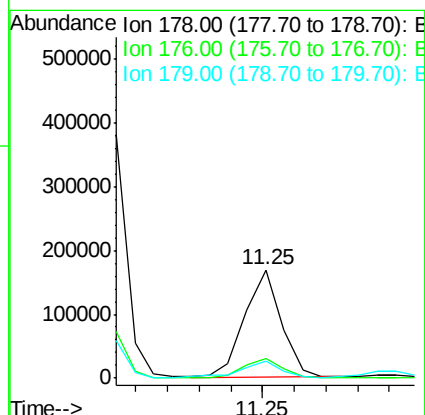
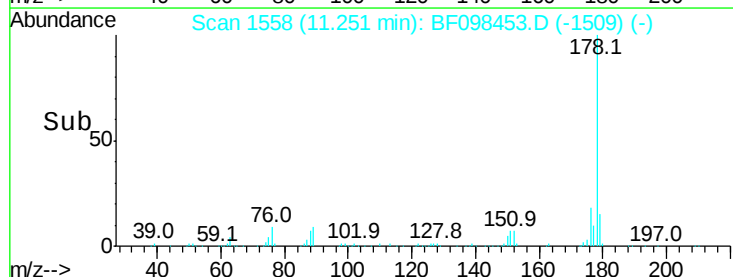
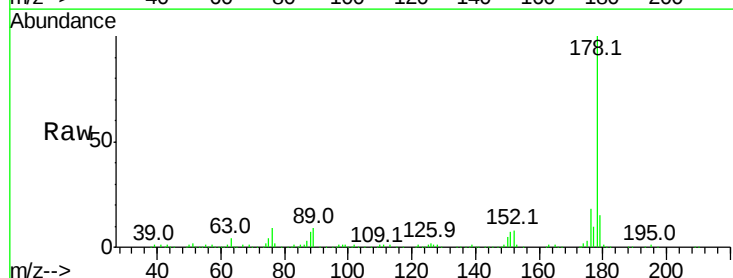
Manual Integrations
APPROVED

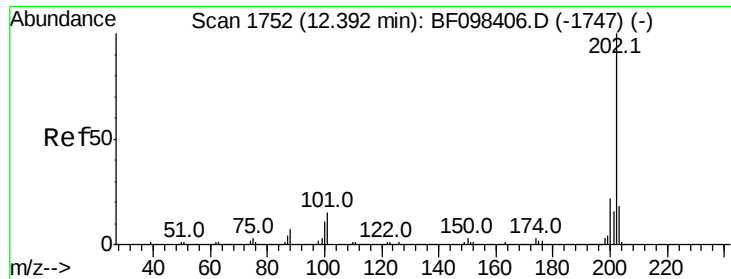
Sohil
9/13/2017 5:00:03 PM



#71
Anthracene
Concen: 4.149 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF098453.D
Acq: 12 Sep 2017 16:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	15.5	12.7	19.1





#74

Fluoranthene

Concen: 41.386 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF098453.D

Acq: 12 Sep 2017 16:35

Instrument :

BNA_F

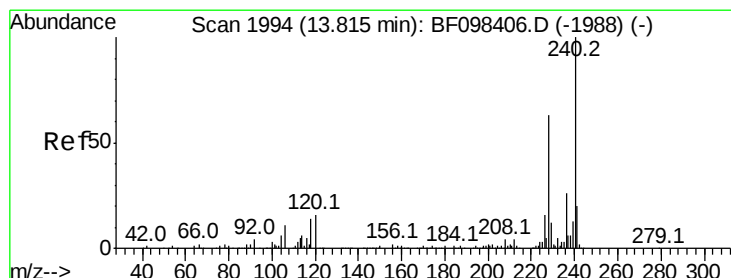
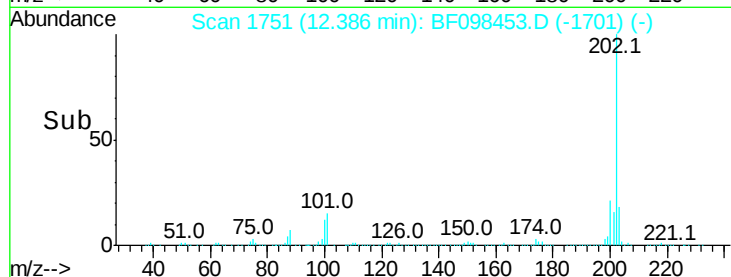
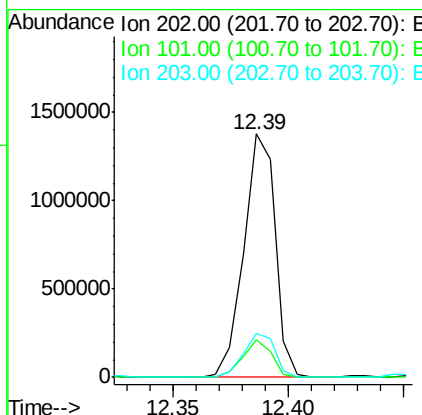
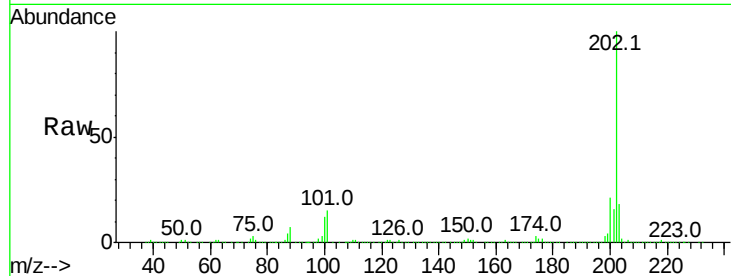
ClientSampleId :

SASP2P-TP-116A(0-5)COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1312411		
101	15.2	0.0	33.2	
203	18.0	0.0	38.1	

Manual Integrations
APPROVED

Sohil
9/13/2017 5:00:03 PM



#75

Chrysene-d12

Concen: 20.000 ng

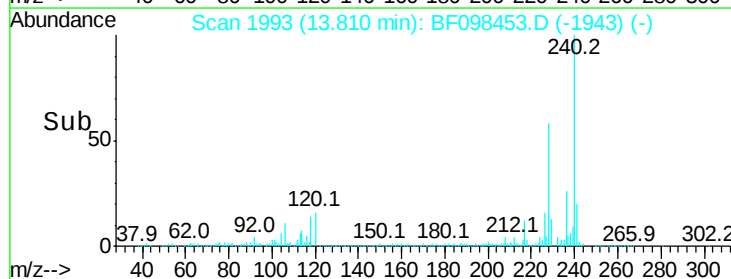
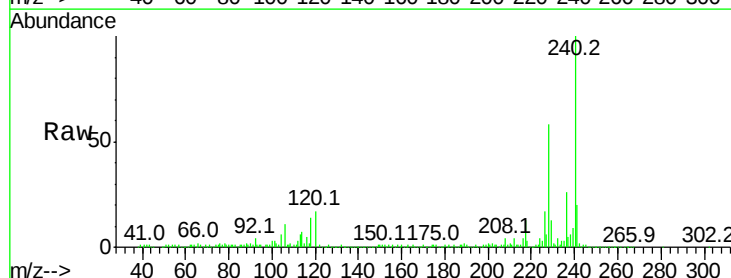
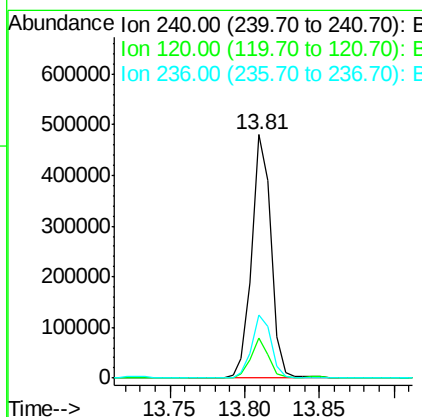
RT: 13.81 min Scan# 1993

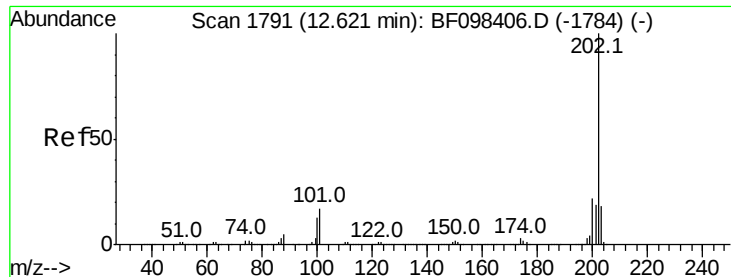
Delta R.T. -0.01 min

Lab File: BF098453.D

Acq: 12 Sep 2017 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	426160		
120	16.5	5.8	8.8#	
236	26.0	20.5	30.7	





#77

Pvrene

Concen: 39.625 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF098453.D

Acq: 12 Sep 2017 16:35

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-116A(0-5)COMP

Tot Ion:202 Resp: 1332138

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

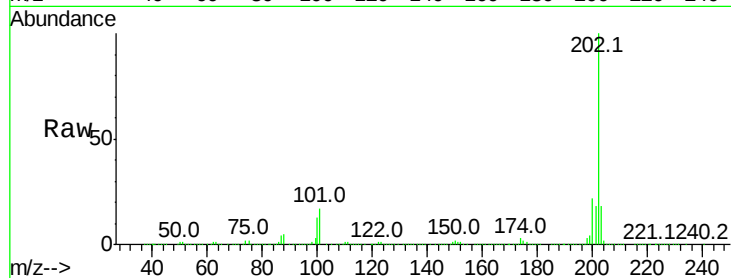
203 17.7 14.4 21.6

Manual Integrations

APPROVED

Sohil

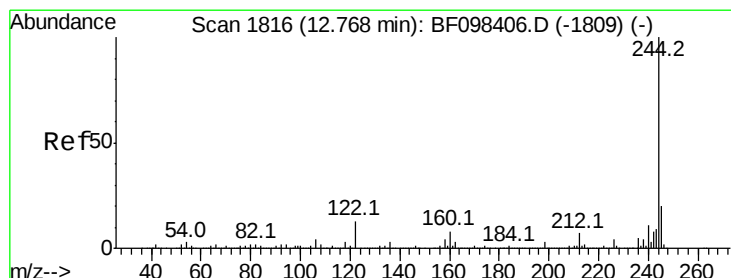
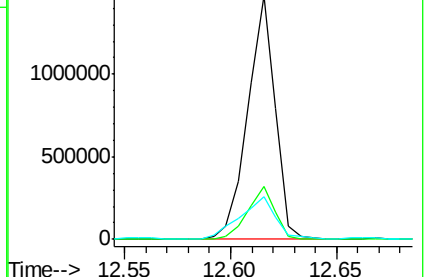
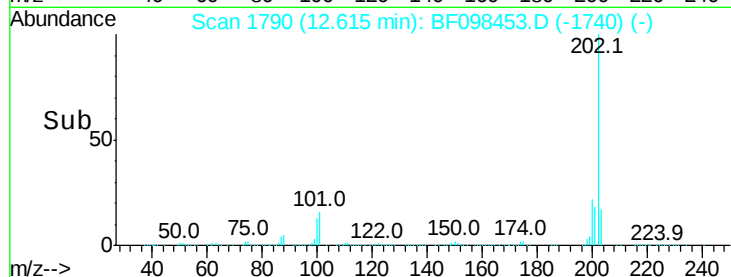
9/13/2017 5:00:03 PM



Abundance Ion 202.00 (201.70 to 202.70): E

2000000 Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 66.627 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF098453.D

Acq: 12 Sep 2017 16:35

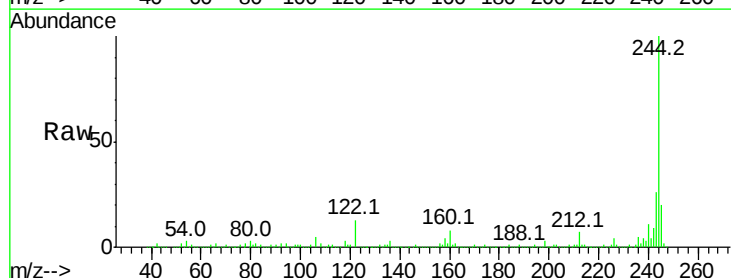
Tgt Ion:244 Resp: 1315455

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

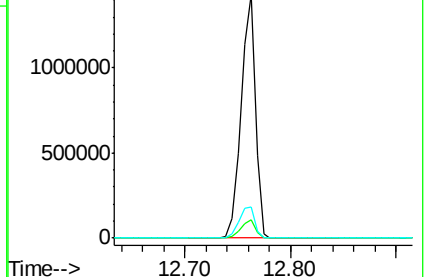
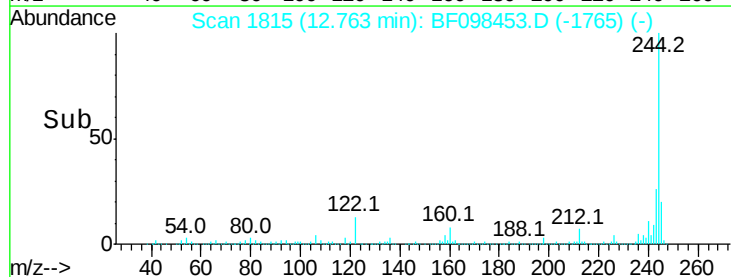
122 12.7 10.3 15.5

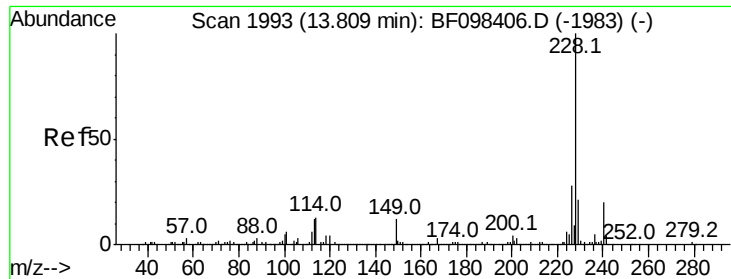


Abundance Ion 244.00 (243.70 to 244.70): E

2000000 Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





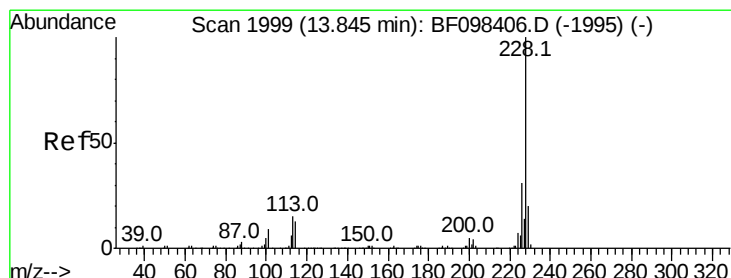
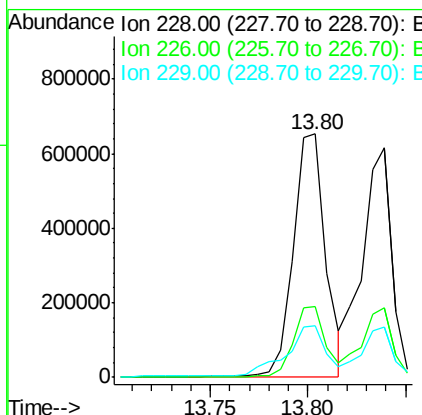
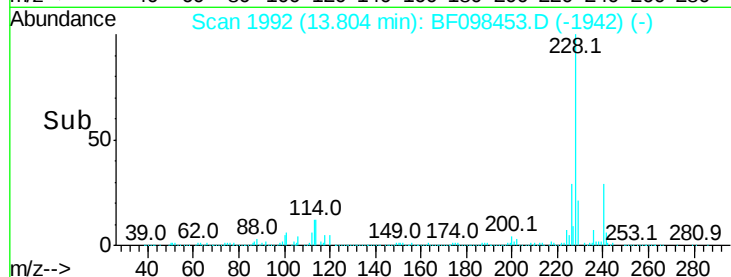
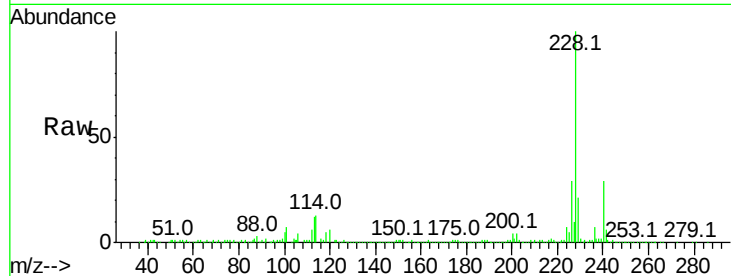
#80
Benzo(a)anthracene
Concen: 29.750 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF098453.D
Acq: 12 Sep 2017 16:35

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-116A(0-5)COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	21.4	16.3	24.5

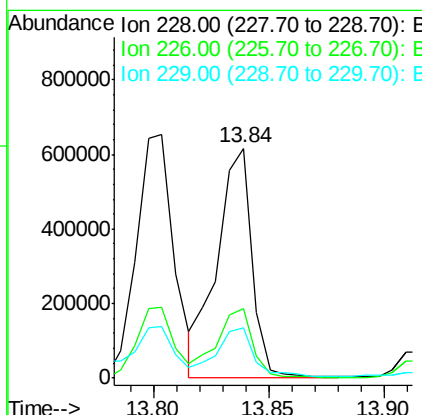
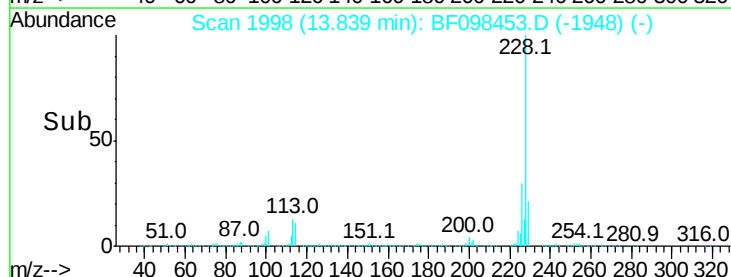
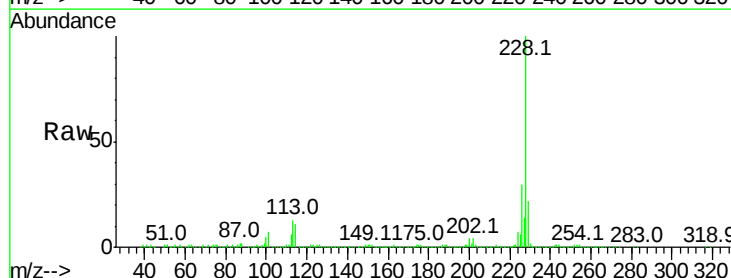
Manual Integrations
APPROVED

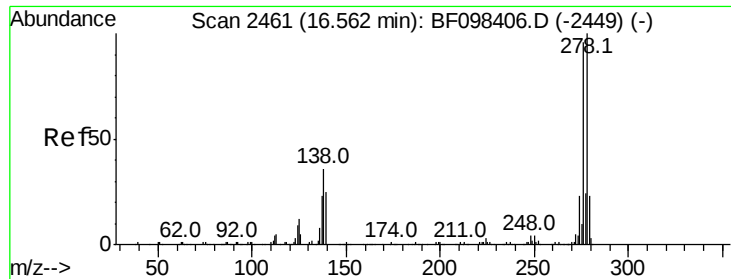
Sohil
9/13/2017 5:00:03 PM



#82
Chrysene
Concen: 25.711 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF098453.D
Acq: 12 Sep 2017 16:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	21.7	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.586 ng

RT: 16.55 min Scan# 2459

Delta R.T. -0.01 min

Lab File: BF098453.D

Acq: 12 Sep 2017 16:35

Instrument :

BNA_F

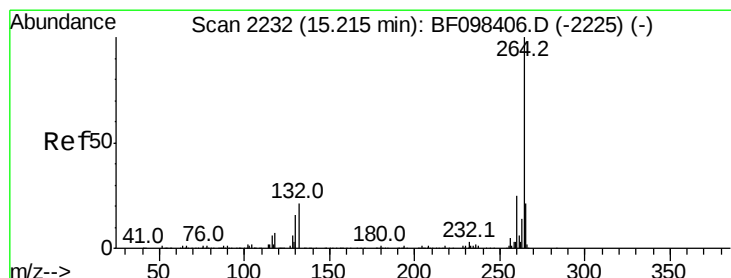
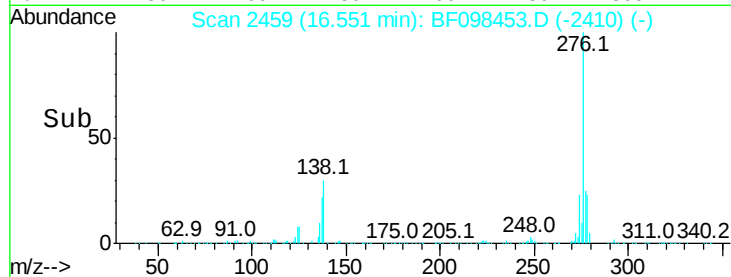
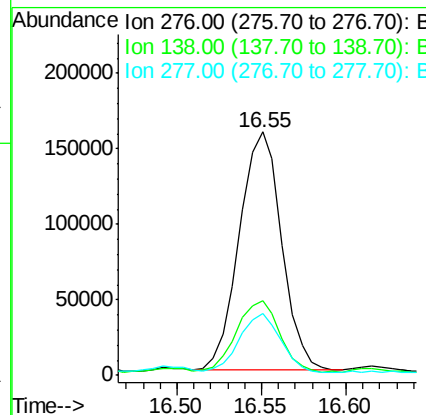
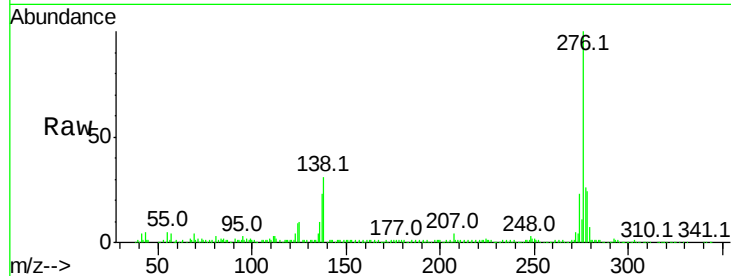
ClientSampleId :

SASP2P-TP-116A(0-5)COMP

Tot Ion:	276	Resp:	276167
Ion Ratio	Lower	Upper	
276	100		
138	30.4	27.8	41.6
277	24.4	20.2	30.4

Manual Integrations
APPROVED

Sohil
9/13/2017 5:00:03 PM



#86

Perylene-d12

Concen: 20.000 ng

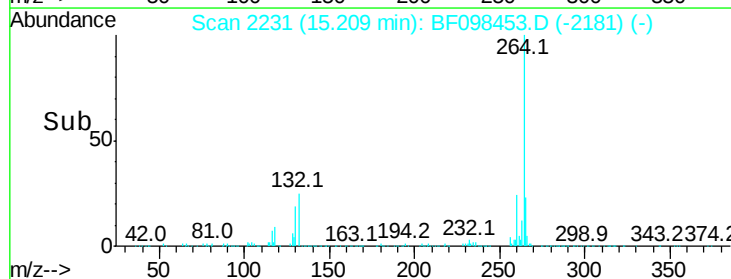
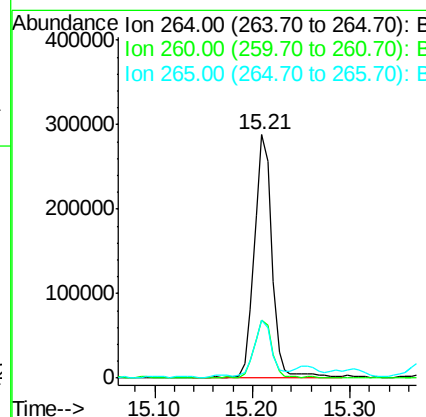
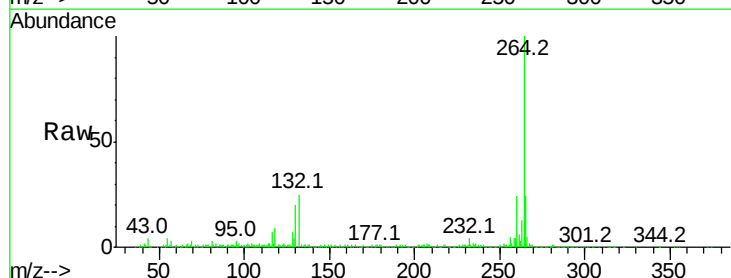
RT: 15.21 min Scan# 2231

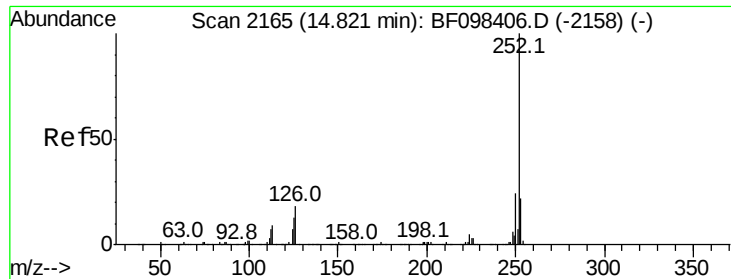
Delta R.T. -0.01 min

Lab File: BF098453.D

Acq: 12 Sep 2017 16:35

Tgt Ion:	264	Resp:	363115
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.5	29.3
265	23.8	17.2	25.8





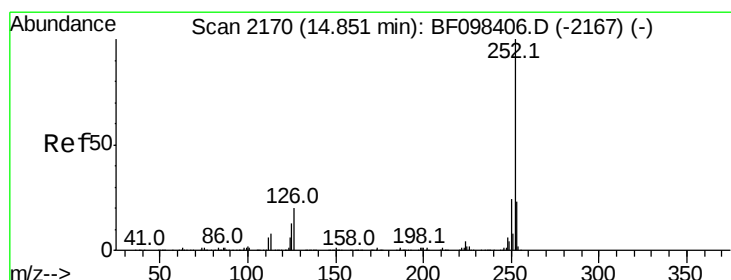
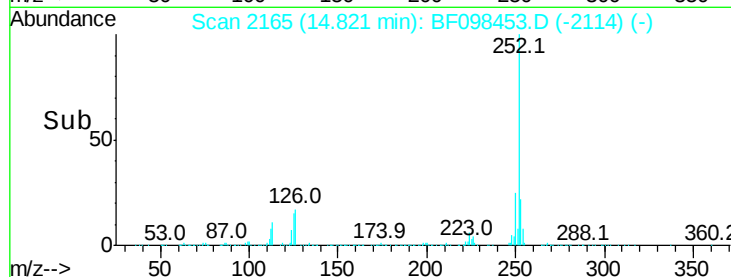
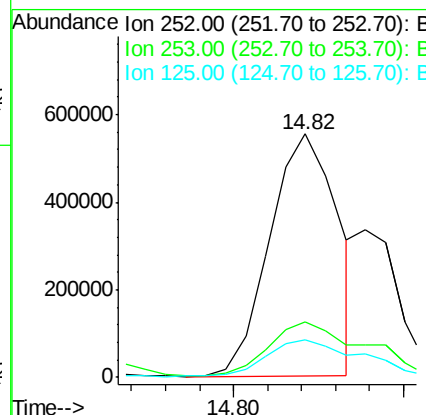
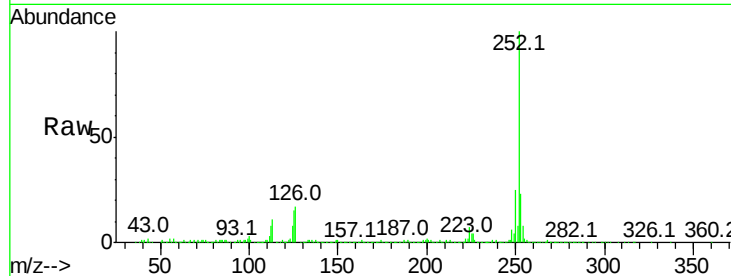
#87
Benzo(b)fluoranthene
Concen: 33.715 ng m
RT: 14.82 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BF098453.D
Acq: 12 Sep 2017 16:35

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-116A(0-5)COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	15.4	9.8	14.8

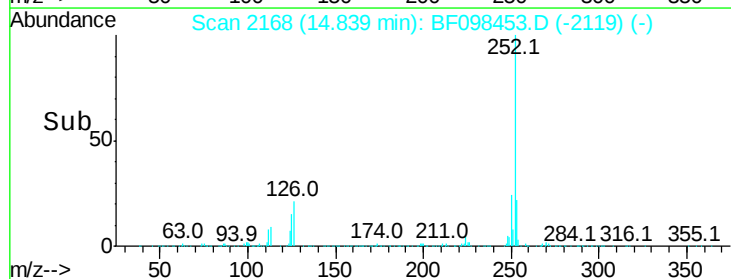
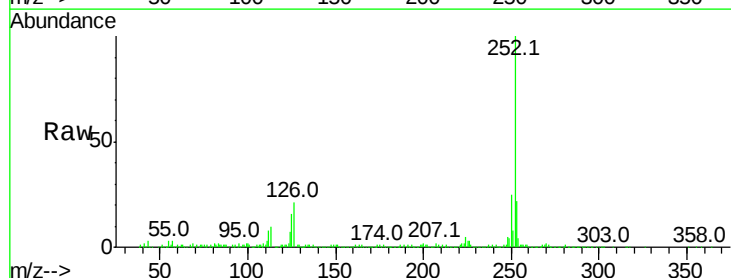
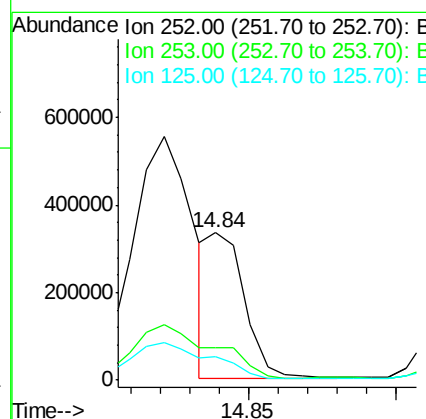
Manual Integrations
APPROVED

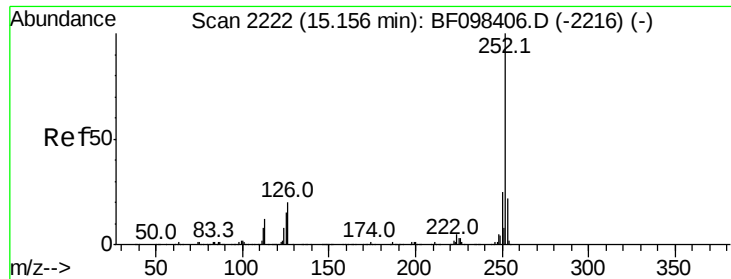
Sohil
9/13/2017 5:00:03 PM



#88
Benzo(k)fluoranthene
Concen: 13.569 ng m
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF098453.D
Acq: 12 Sep 2017 16:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	16.2	13.1	19.7





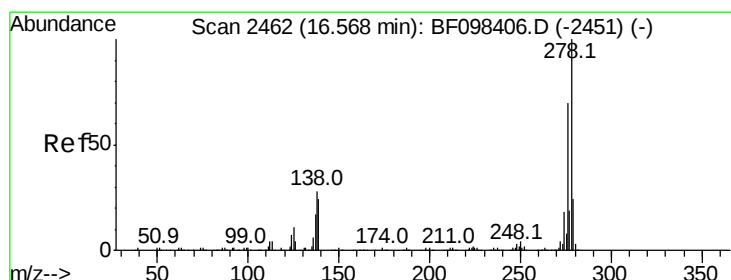
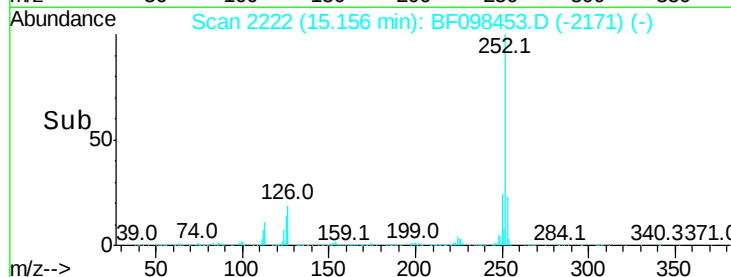
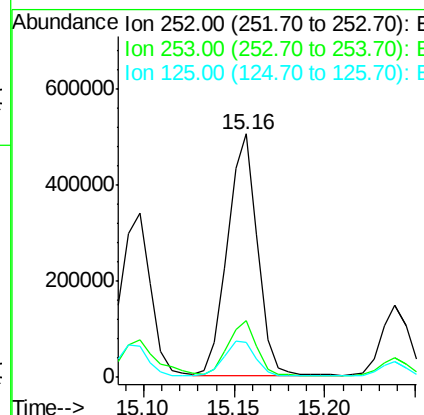
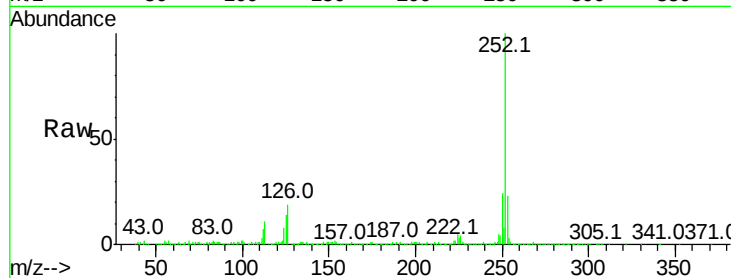
#89
Benzo(a)pyrene
Concen: 28.628 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.00 min
Lab File: BF098453.D
Acq: 12 Sep 2017 16:35

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-116A(0-5)COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	14.4	11.0	16.4

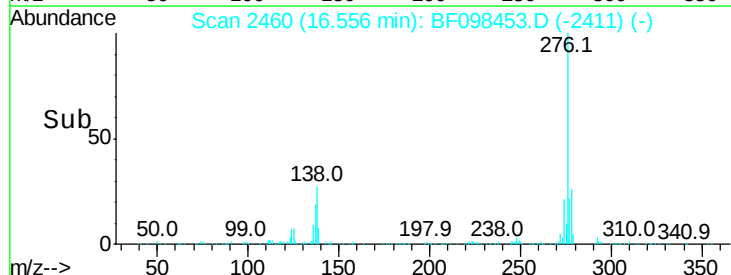
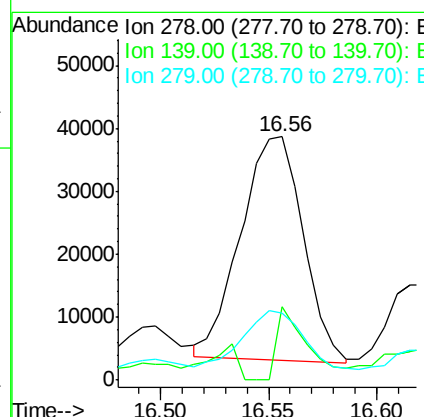
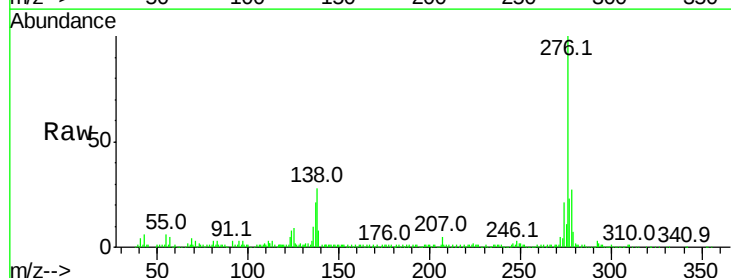
Manual Integrations
APPROVED

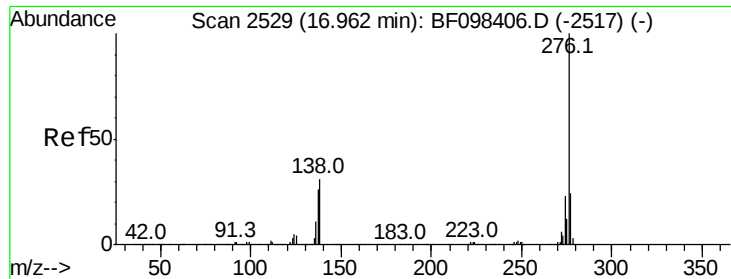
Sohil
9/13/2017 5:00:03 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.850 ng m
RT: 16.56 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BF098453.D
Acq: 12 Sep 2017 16:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.1	16.6	24.8#
279	27.4	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 18.278 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. -0.01 min
 Lab File: BF098453.D
 Acq: 12 Sep 2017 16:35

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-116A(0-5)COMPRES

Tot Ion:	276	Resp:	272028
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.6	28.0
138	31.4	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 9/13/2017 5:00:03 PM

