

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
 Data File : BF113962.D
 Acq On : 24 Apr 2019 15:36
 Operator : JU/SJ
 Sample : K2542-19
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Manual Integrations
 APPROVED

Sohil
 4/25/2019 5:27:02 PM

Quant Time: Apr 25 05:55:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	130003	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	493650	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	249862	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	460597	20.00	ng	0.00
76) Chrysene-d12	14.06	240	322594	20.00	ng	-0.01
87) Perylene-d12	15.56	264	413777	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	711125	93.56	ng	0.00
7) Phenol-d6	6.52	99	913883	95.83	ng	0.00
23) Nitrobenzene-d5	7.45	82	555714	69.51	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	255126	83.82	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	967044	60.53	ng	0.00
79) Terphenyl-d14	13.00	244	946775	60.17	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.64	163	188799	10.448	ng	98
71) Phenanthrene	11.43	178	61029	2.637	ng	98
75) Fluoranthene	12.62	202	137699	5.452	ng	97
78) Pyrene	12.85	202	111184	4.928	ng	97
81) Benzo(a)anthracene	14.04	228	52366	2.755	ng	96
83) Chrysene	14.08	228	59142	3.195	ng	98
86) Indeno(1,2,3-cd)pyrene	17.04	276	51666	2.947	ng	96
88) Benzo(b)fluoranthene	15.13	252	94216m	3.599	ng	
90) Benzo(a)pyrene	15.50	252	62279	2.750	ng	99
92) Benzo(g,h,i)perylene	17.49	276	48959	2.282	ng	99

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

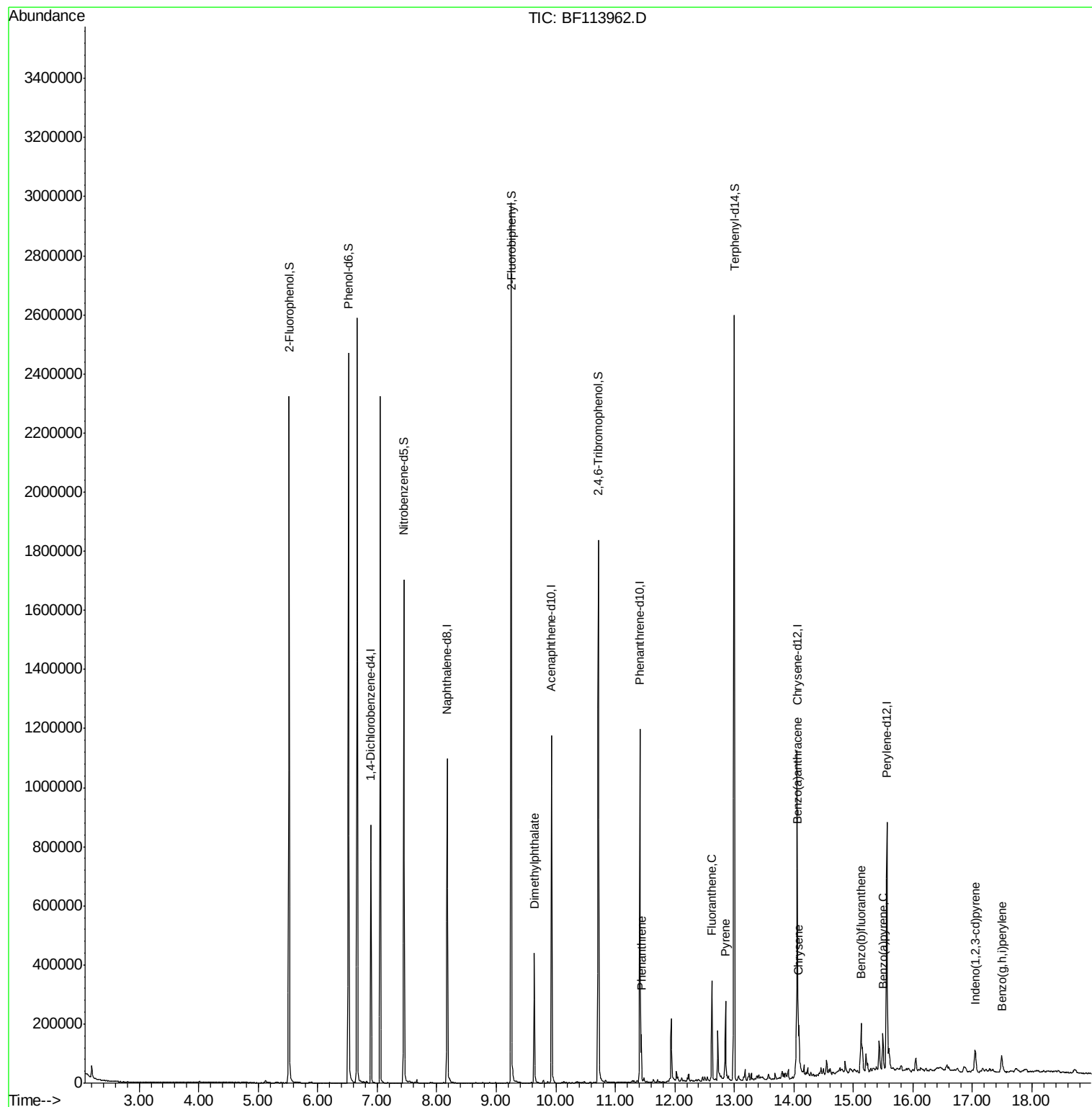
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113962.D
Acq On : 24 Apr 2019 15:36
Operator : JU/SJ
Sample : K2542-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

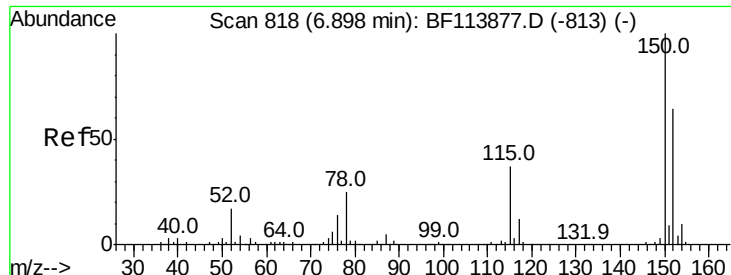
Instrument :
BNA_F
ClientSampled :
TP-8

Manual Integrations
APPROVED

Sohil
4/25/2019 5:27:02 PM

Quant Time: Apr 25 05:55:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 23 03:32:35 2019
Response via : Initial Calibration





#1

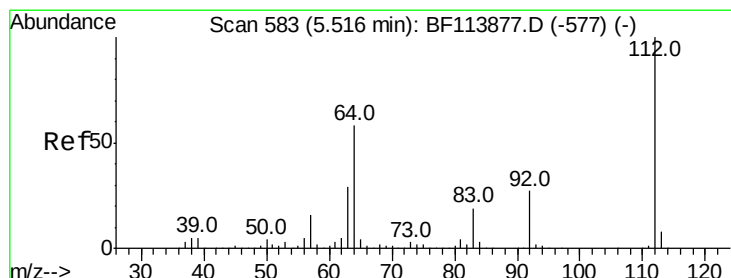
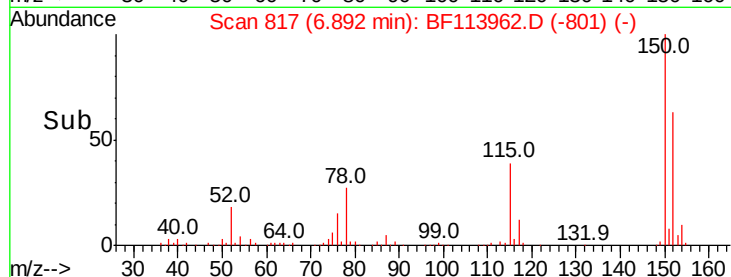
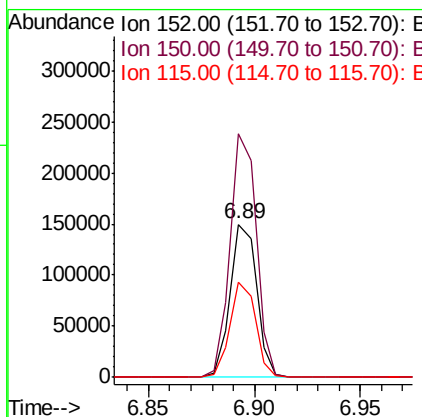
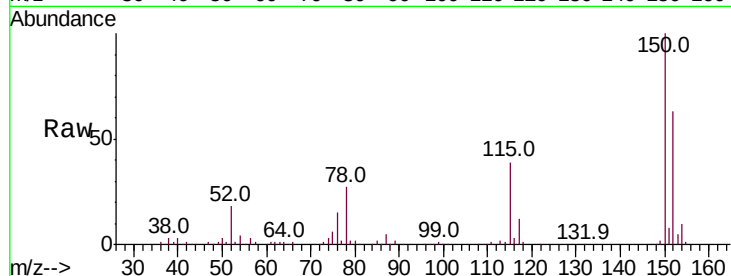
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113962.D
Acq: 24 Apr 2019 15:36

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	125.9	188.9
115	61.9	45.9	68.9

Manual Integrations
APPROVED

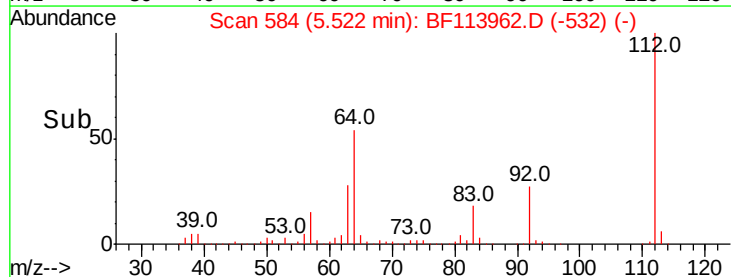
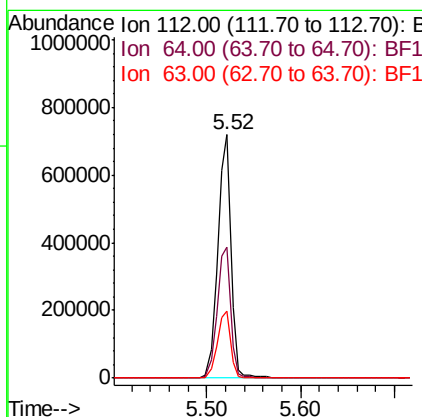
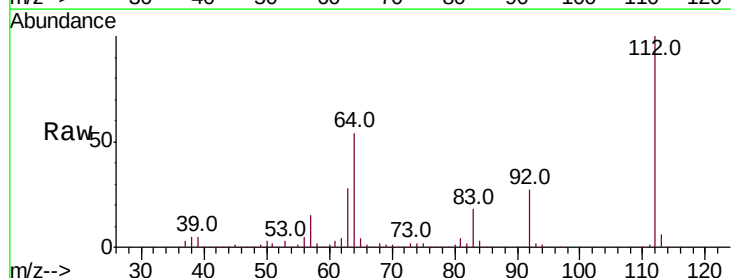
Sohil
4/25/2019 5:27:02 PM

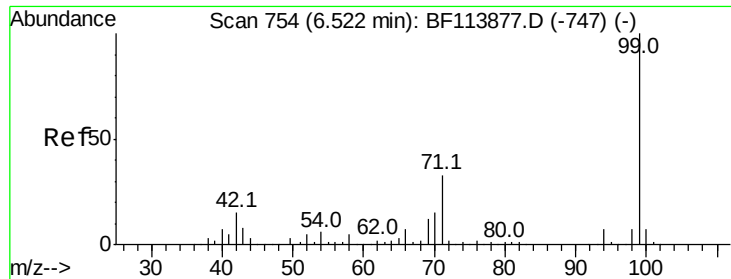


#5

2-Fluorophenol
Concen: 93.558 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF113962.D
Acq: 24 Apr 2019 15:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	46.6	69.8
63	27.7	23.1	34.7





#7

Phenol-d6

Concen: 95.832 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF113962.D

Acq: 24 Apr 2019 15:36

Instrument :

BNA_F

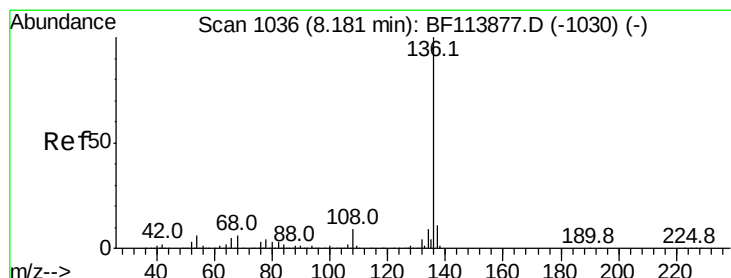
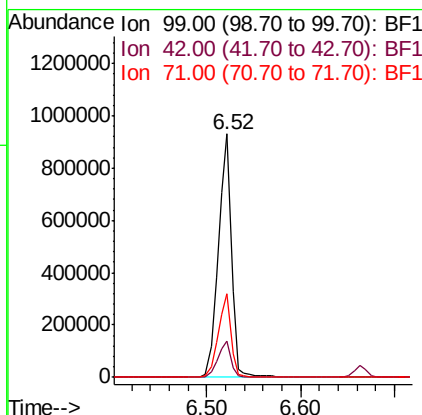
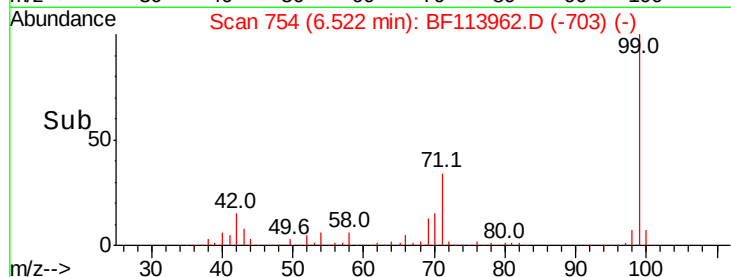
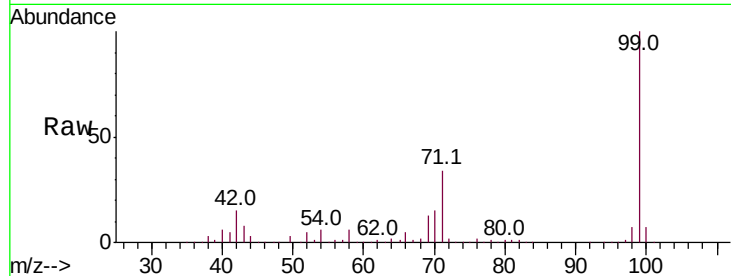
ClientSampled :

TP-8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		913883		
42	14.9	12.5	18.7		
71	34.5	26.9	40.3		

Manual Integrations
APPROVED

Sohil
4/25/2019 5:27:02 PM



#21

Naphthalene-d8

Concen: 20.000 ng

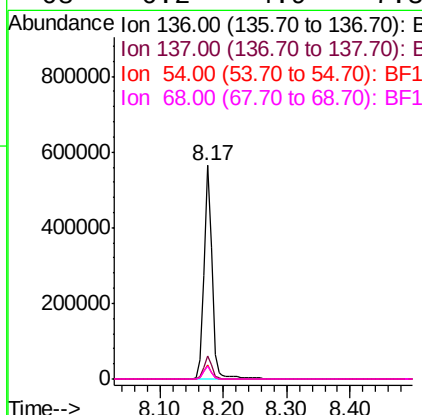
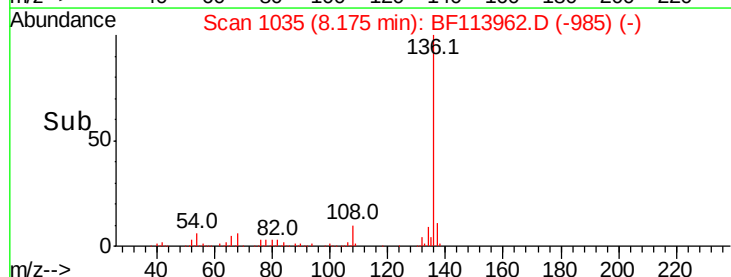
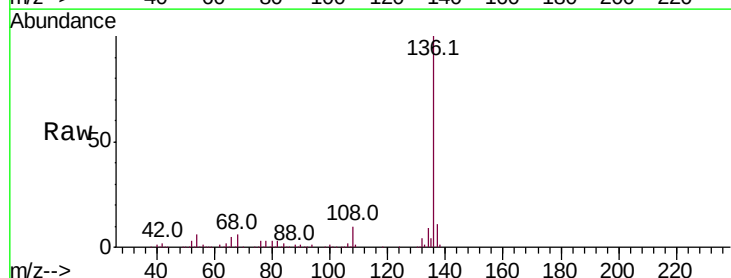
RT: 8.17 min Scan# 1035

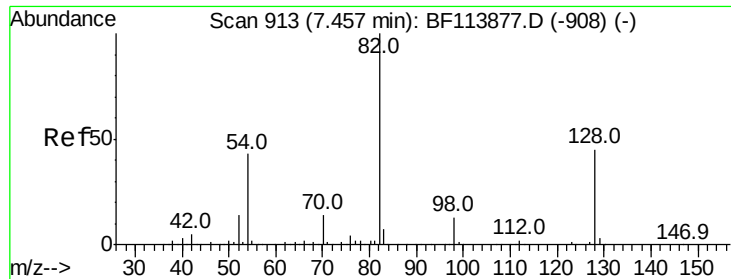
Delta R.T. -0.01 min

Lab File: BF113962.D

Acq: 24 Apr 2019 15:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		493650		
137	11.0	8.6	12.8		
54	6.4	5.0	7.6		
68	6.2	4.9	7.3		





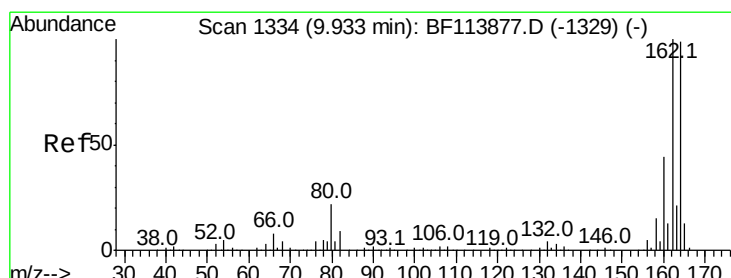
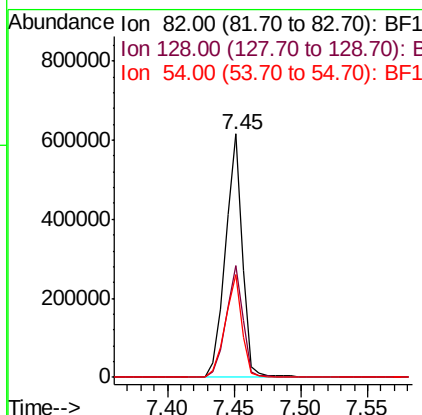
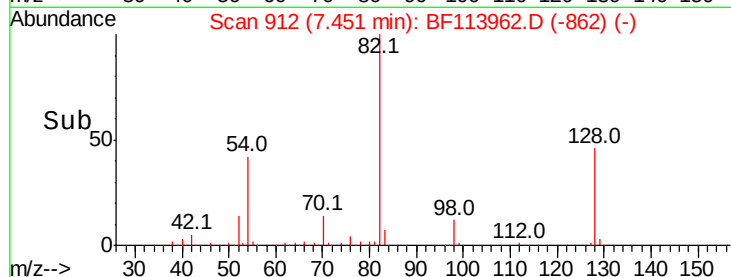
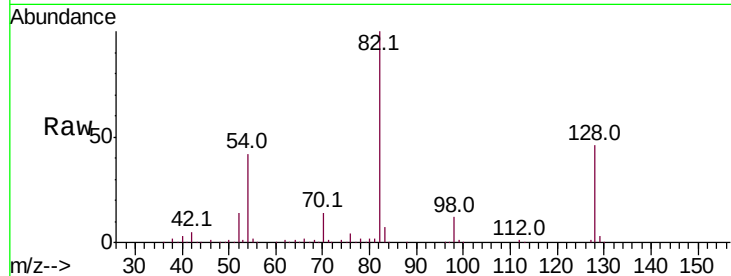
#23
Nitrobenzene-d5
Concen: 69.507 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF113962.D
Acq: 24 Apr 2019 15:36

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Resp	Lower	Upper
82	100	555714		
128	46.1	36.8	55.2	
54	42.2	33.8	50.6	

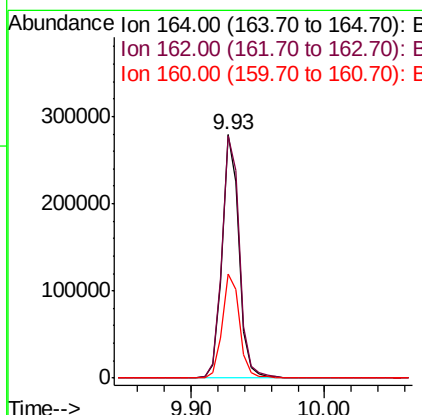
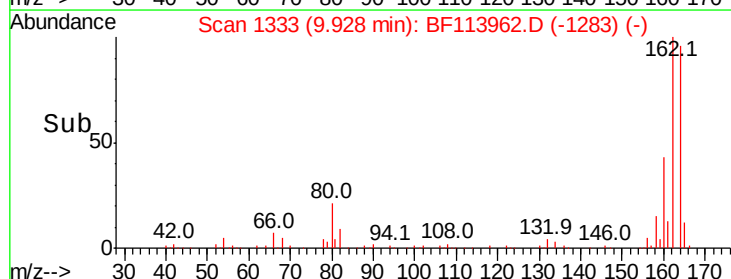
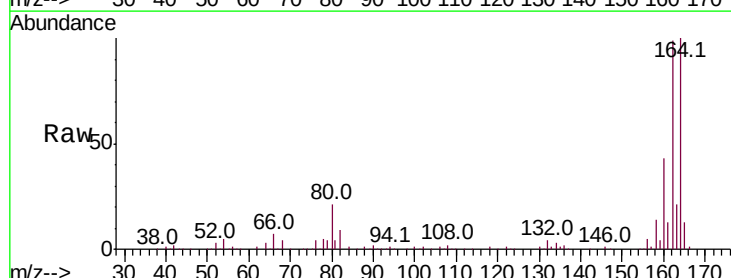
Manual Integrations
APPROVED

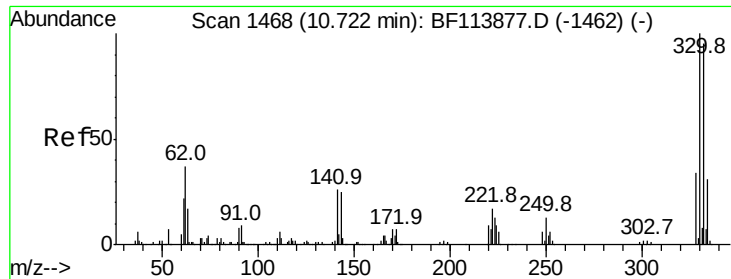
Sohil
4/25/2019 5:27:02 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF113962.D
Acq: 24 Apr 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	249862		
162	99.4	81.1	121.7	
160	42.8	35.8	53.6	





#42

2,4,6-Tribromophenol

Concen: 83.817 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF113962.D

Acq: 24 Apr 2019 15:36

Instrument :

BNA_F

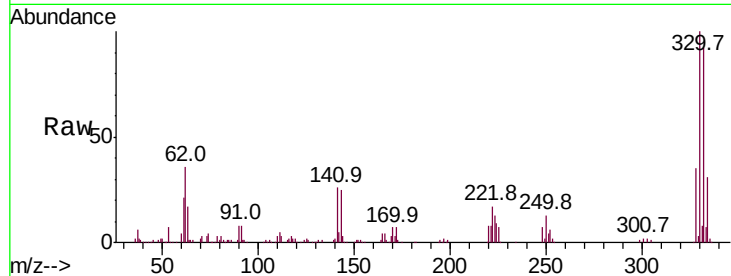
ClientSampled :

TP-8

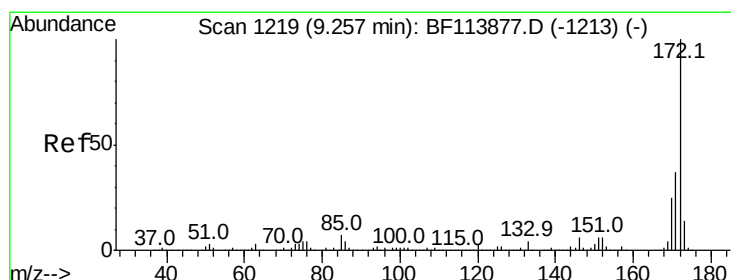
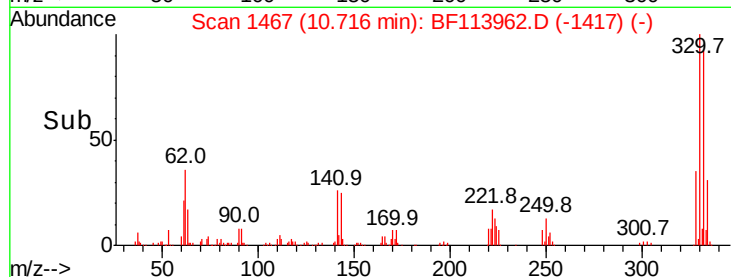
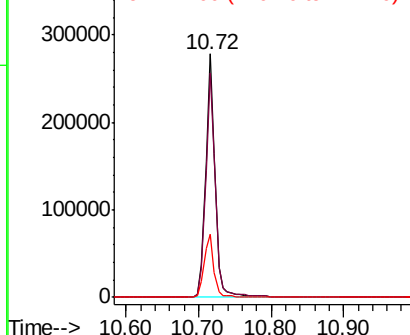
Tot Ion:	330	Resp:	255126
Ion Ratio	Lower	Upper	
330	100		
332	94.8	77.5	116.3
141	26.5	22.2	33.2

Manual Integrations
APPROVED

Sohil
4/25/2019 5:27:02 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



#45

2-Fluorobiphenyl

Concen: 60.533 ng

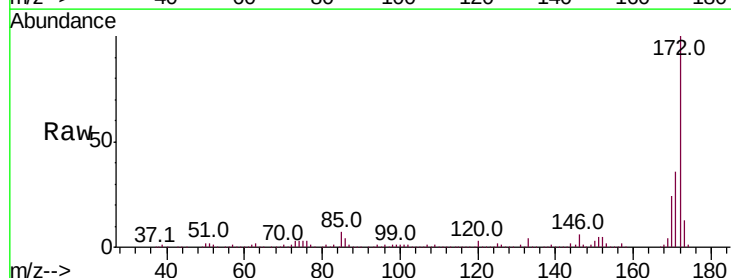
RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

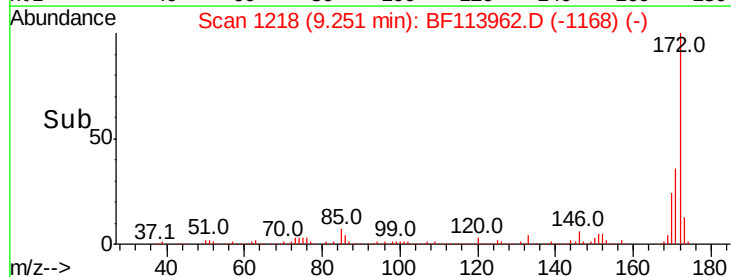
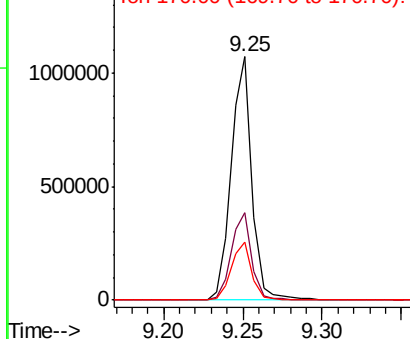
Lab File: BF113962.D

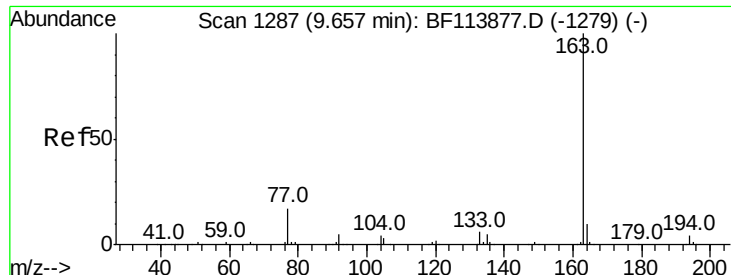
Acq: 24 Apr 2019 15:36

Tgt Ion:	172	Resp:	967044
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.4	44.0
170	23.8	19.9	29.9



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





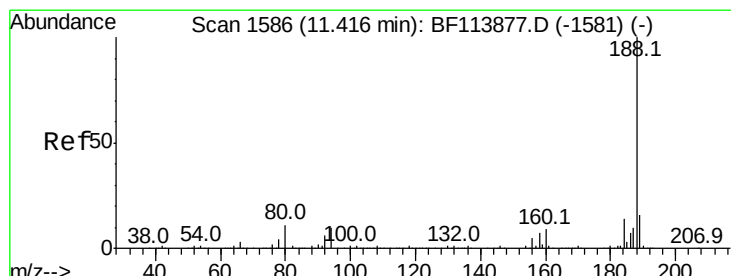
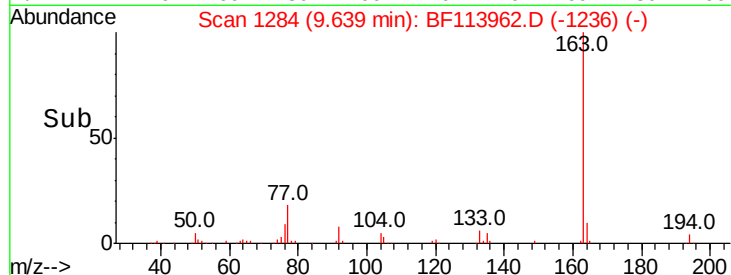
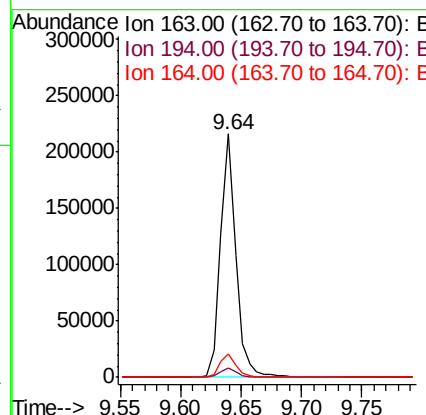
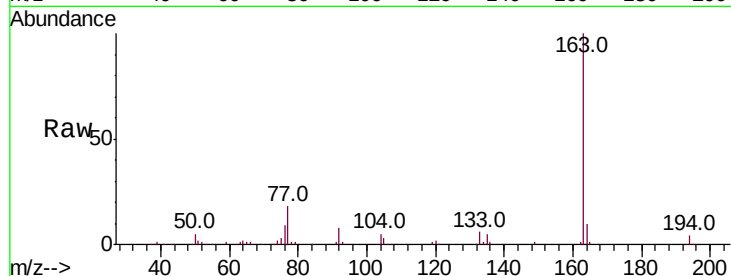
#50
Dimethylphthalate
Concen: 10.448 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF113962.D
Acq: 24 Apr 2019 15:36

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Resp	Lower	Upper
163	100	188799		
194	3.8		3.4	5.2
164	9.7		8.5	12.7

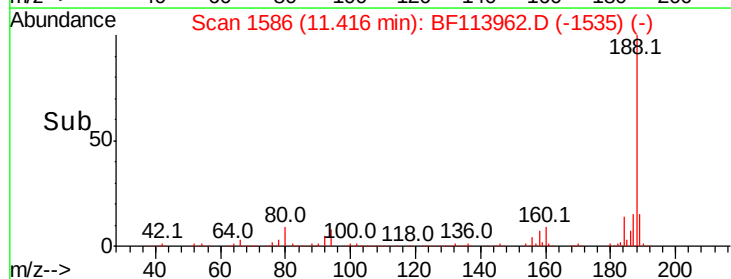
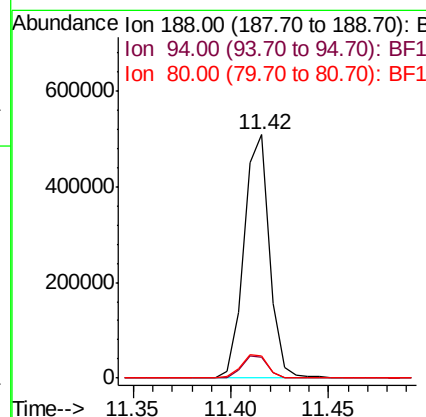
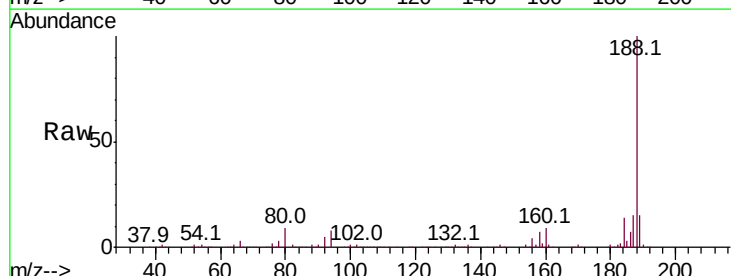
Manual Integrations
APPROVED

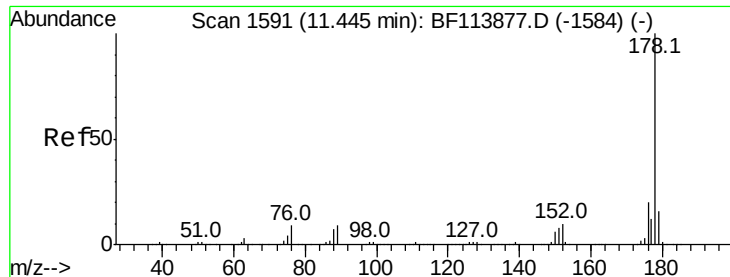
Sohil
4/25/2019 5:27:02 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF113962.D
Acq: 24 Apr 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	460597		
94	8.4		8.2	12.4
80	9.1		9.0	13.6





#71

Phenanthrene

Concen: 2.637 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF113962.D

Acq: 24 Apr 2019 15:36

Instrument :

BNA_F

ClientSampleId :

TP-8

Tot Ion:178 Resp: 61029

Ion Ratio Lower Upper

178 100

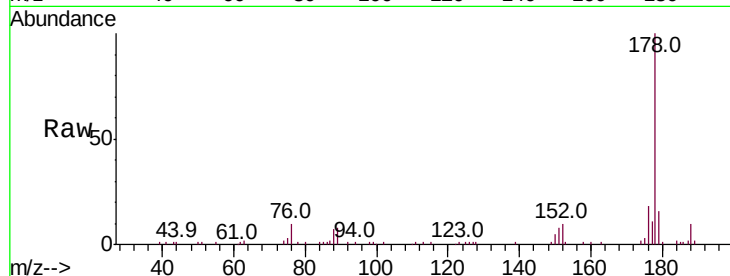
176 18.2 16.1 24.1

179 16.1 12.8 19.2

Manual Integrations
APPROVED

Sohil

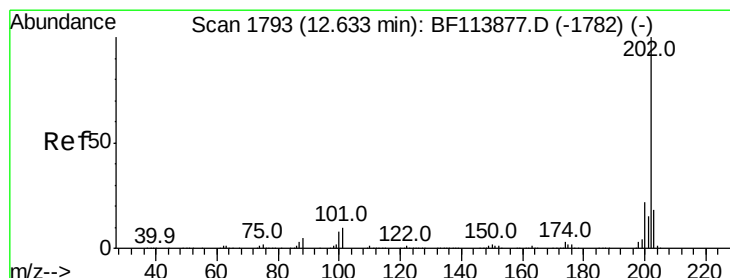
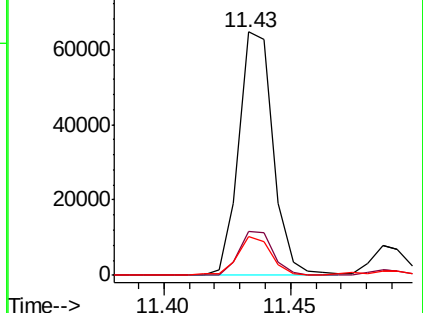
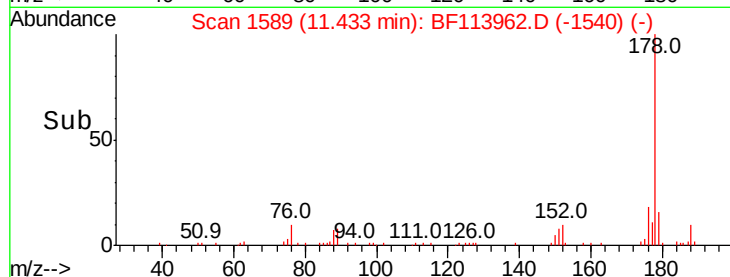
4/25/2019 5:27:02 PM



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



#75

Fluoranthene

Concen: 5.452 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF113962.D

Acq: 24 Apr 2019 15:36

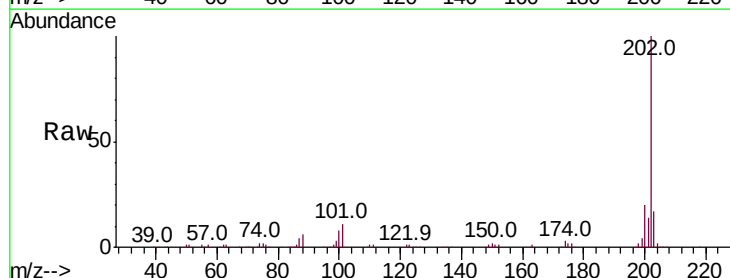
Tgt Ion:202 Resp: 137699

Ion Ratio Lower Upper

202 100

101 11.1 0.0 32.9

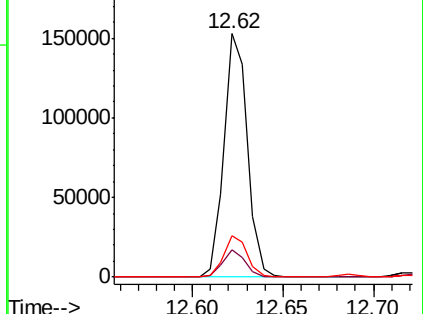
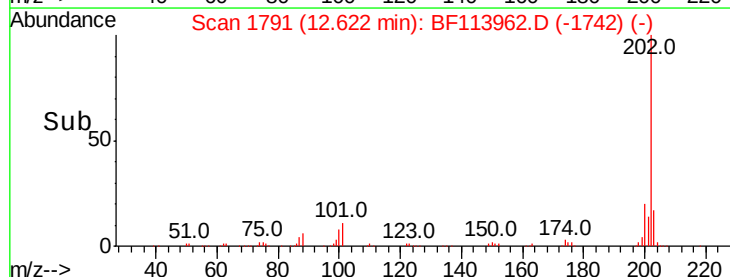
203 17.2 0.0 38.2

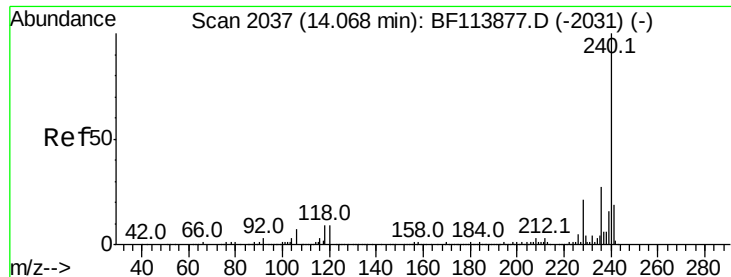


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





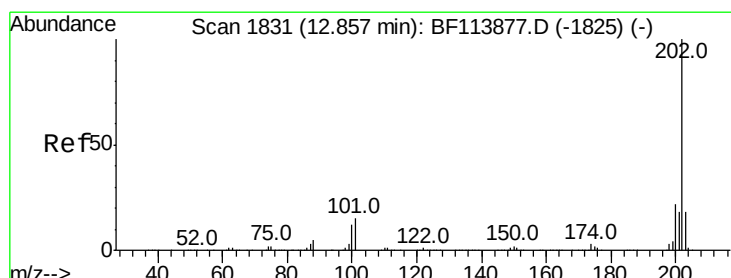
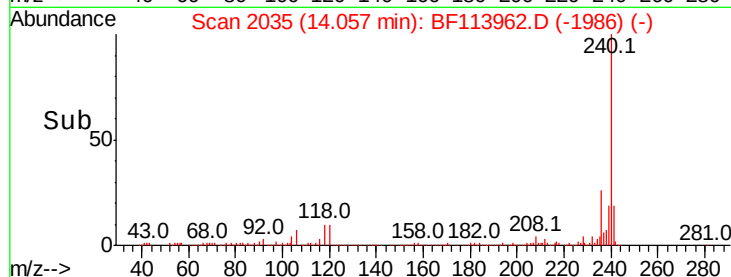
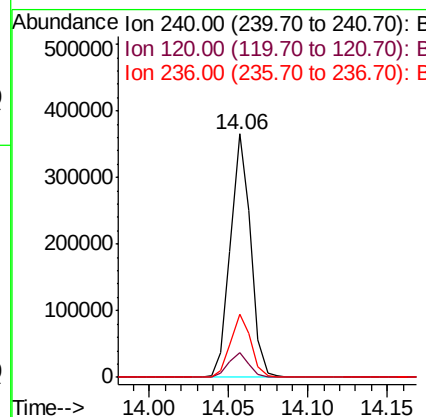
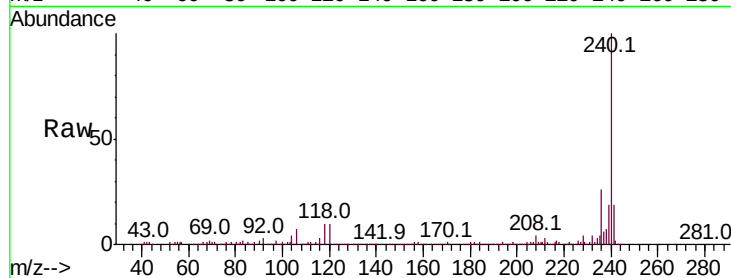
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF113962.D
 Acq: 24 Apr 2019 15:36

Instrument :
 BNA_F
 ClientSampled :
 TP-8

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	9.3	13.9
236	25.8	21.2	31.8

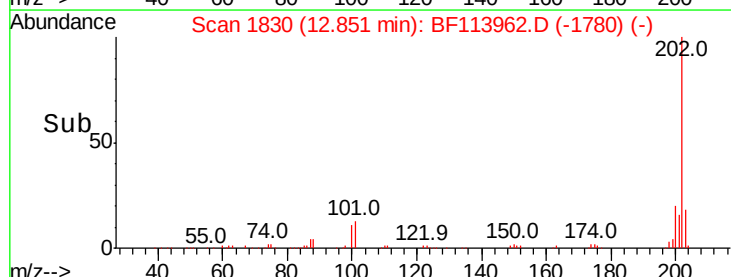
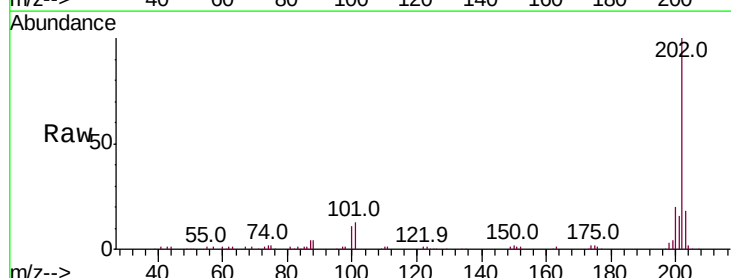
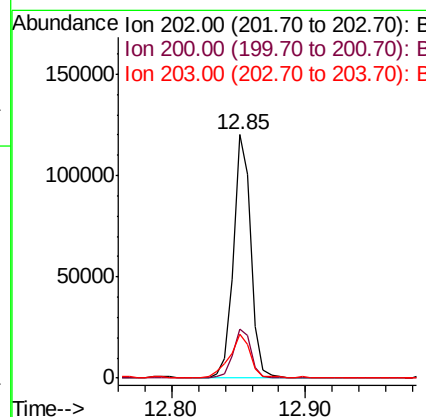
Manual Integrations
 APPROVED

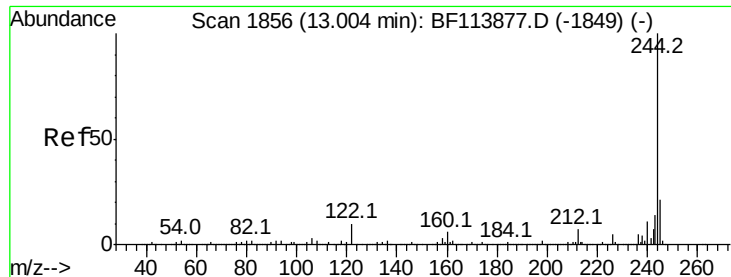
Sohil
 4/25/2019 5:27:02 PM



#78
 Pyrene
 Concen: 4.928 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF113962.D
 Acq: 24 Apr 2019 15:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.7	26.5
203	18.0	15.0	22.6





#79

Terphenyl-d14

Concen: 60.169 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF113962.D

Acq: 24 Apr 2019 15:36

Instrument :

BNA_F

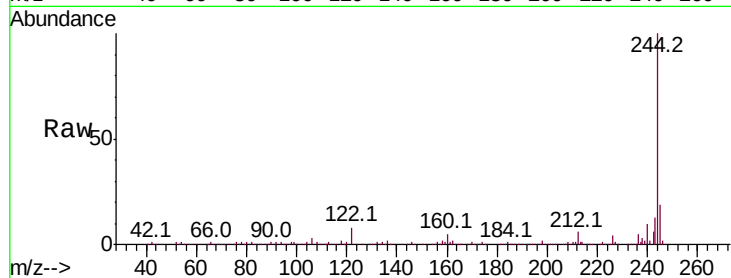
ClientSampled :

TP-8

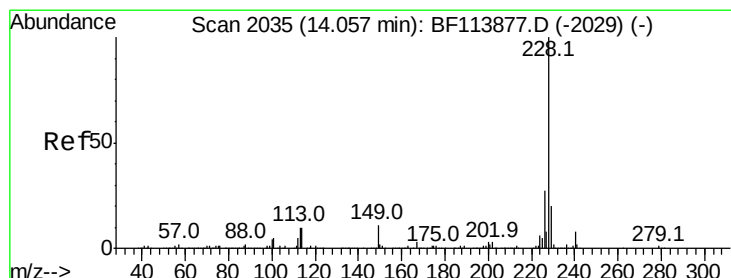
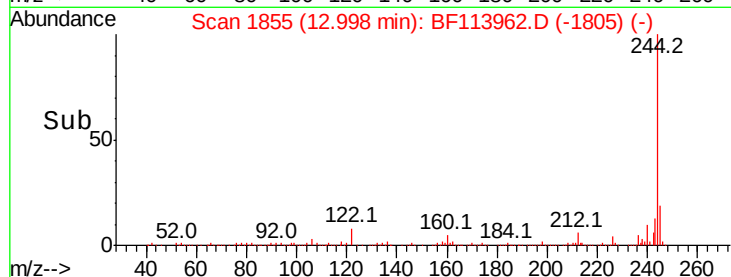
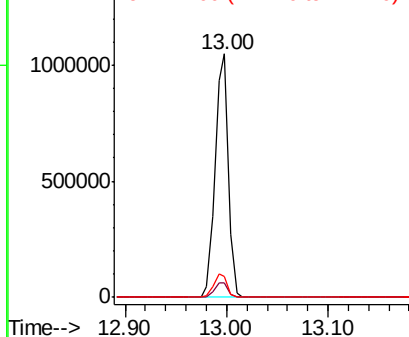
Tot Ion:	244	Resp:	946775
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.4	8.2
122	8.5	7.6	11.4

Manual Integrations
APPROVED

Sohil
4/25/2019 5:27:02 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 2.755 ng

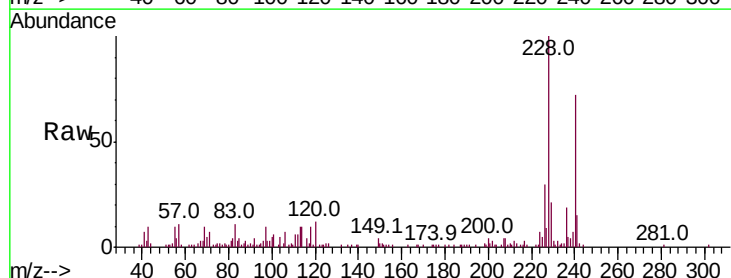
RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

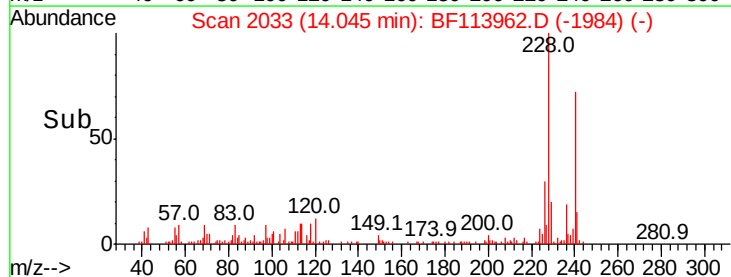
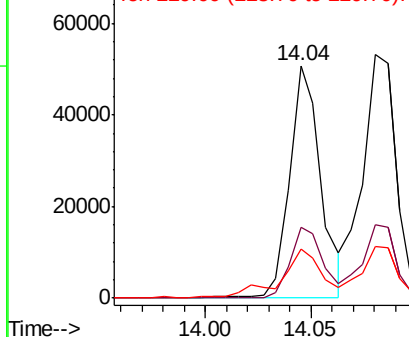
Lab File: BF113962.D

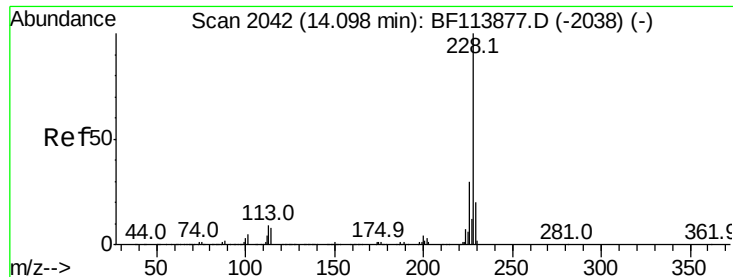
Acq: 24 Apr 2019 15:36

Tgt Ion:	228	Resp:	52366
Ion Ratio	Lower	Upper	
228	100		
226	30.5	22.2	33.2
229	21.3	16.0	24.0



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





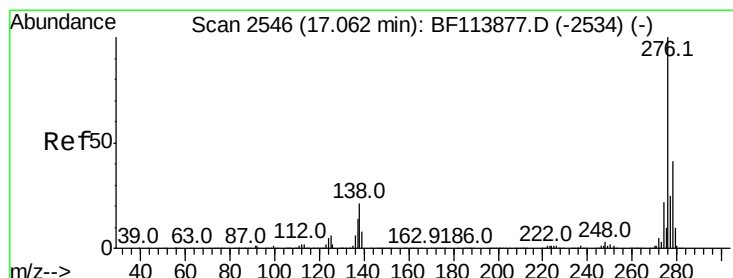
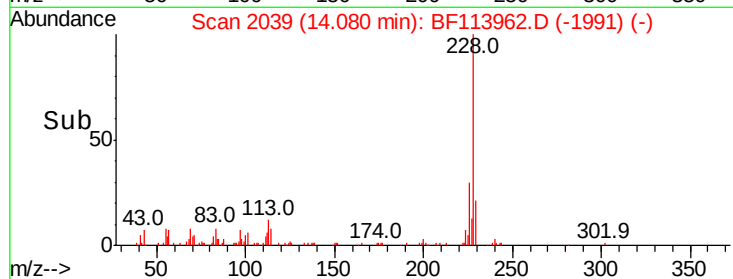
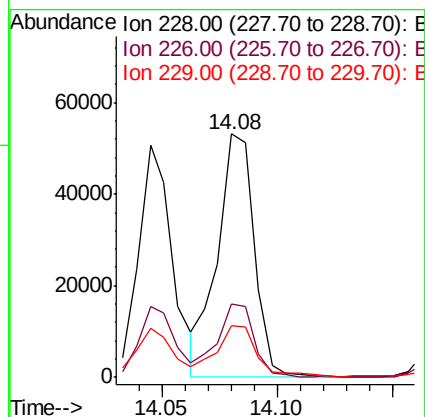
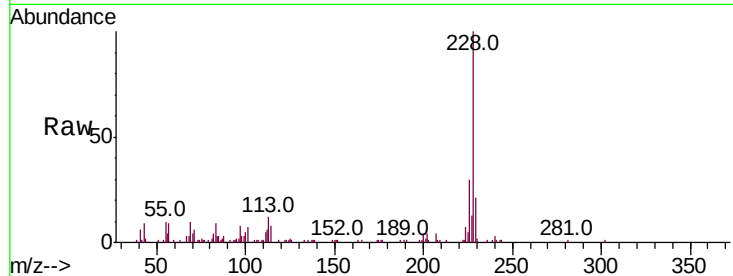
#83
Chrysene
Concen: 3.195 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.02 min
Lab File: BF113962.D
Acq: 24 Apr 2019 15:36

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion:	228	Resp:	59142
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.2	37.8
229	21.2	16.7	25.1

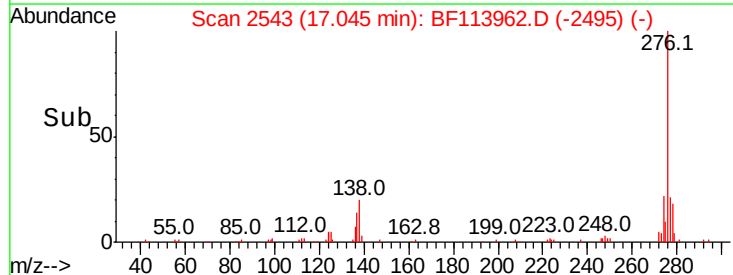
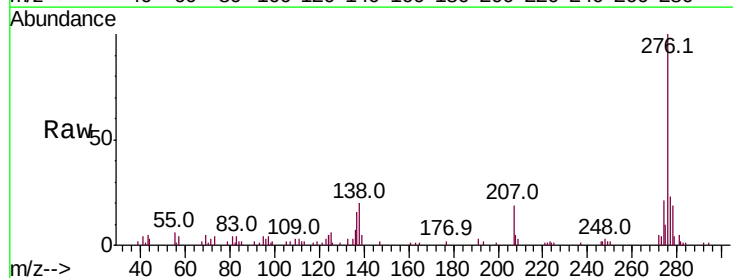
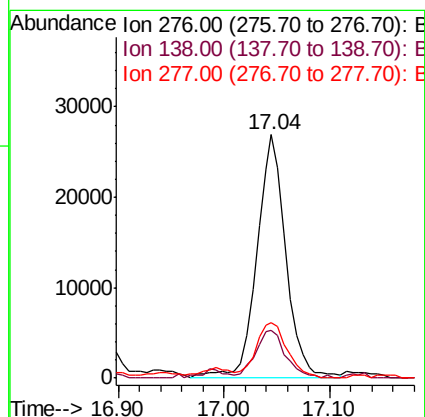
Manual Integrations
APPROVED

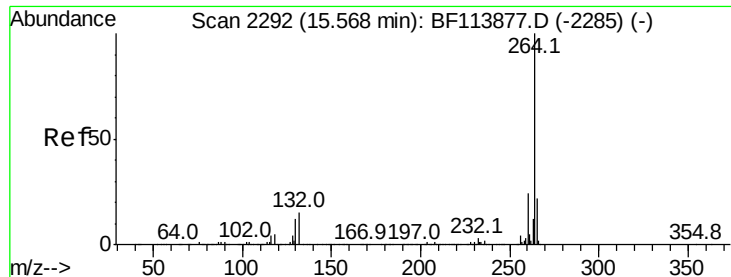
Sohil
4/25/2019 5:27:02 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.947 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.02 min
Lab File: BF113962.D
Acq: 24 Apr 2019 15:36

Tgt Ion:	276	Resp:	51666
Ion Ratio	Lower	Upper	
276	100		
138	20.6	19.6	29.4
277	24.7	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF113962.D

Acq: 24 Apr 2019 15:36

Instrument :

BNA_F

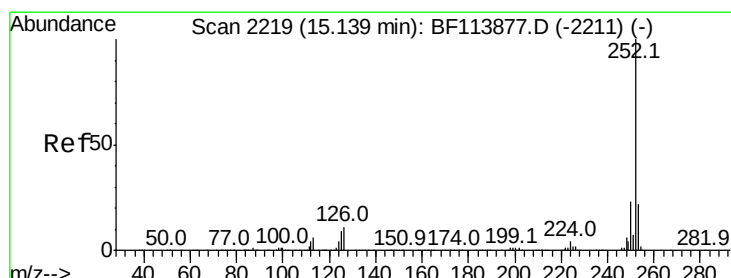
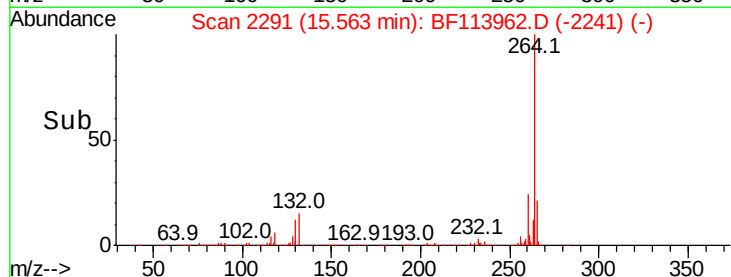
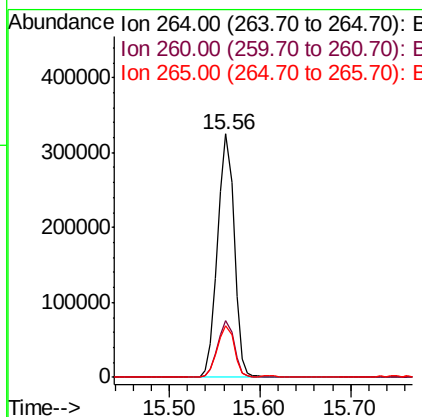
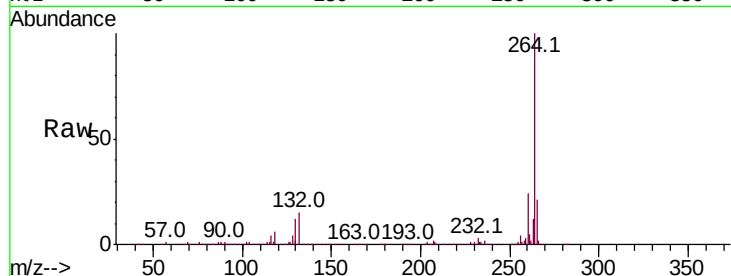
ClientSampled :

TP-8

Tot Ion:	264	Resp:	413777
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.9	28.3
265	21.0	17.3	25.9

Manual Integrations
APPROVED

Sohil
4/25/2019 5:27:02 PM



#88

Benzo(b)fluoranthene

Concen: 3.599 ng m

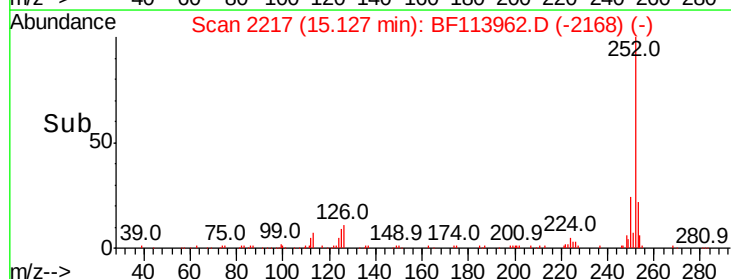
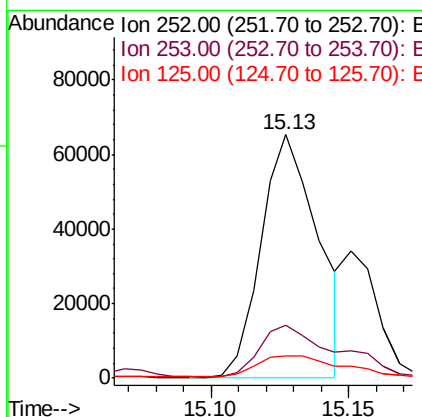
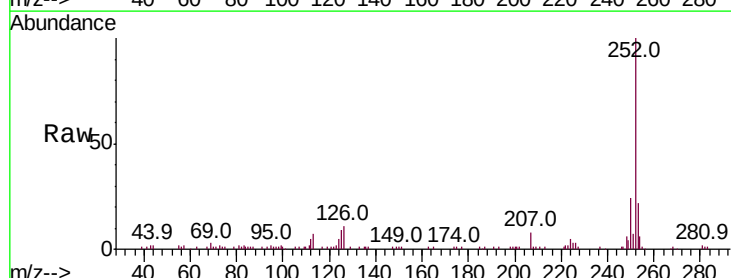
RT: 15.13 min Scan# 2217

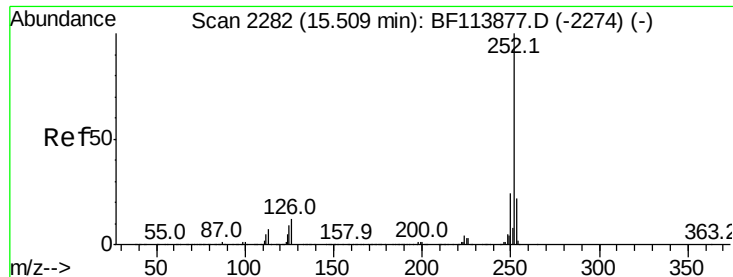
Delta R.T. -0.01 min

Lab File: BF113962.D

Acq: 24 Apr 2019 15:36

Tgt Ion:	252	Resp:	94216
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.8	26.6
125	9.2	7.0	10.6





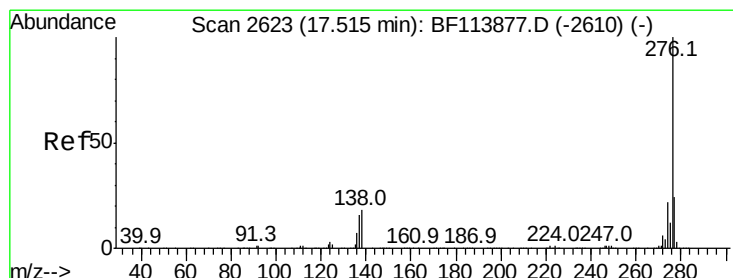
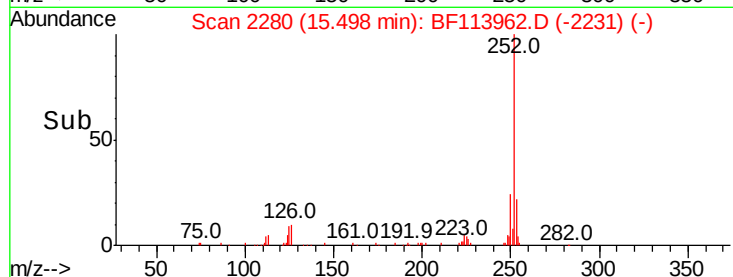
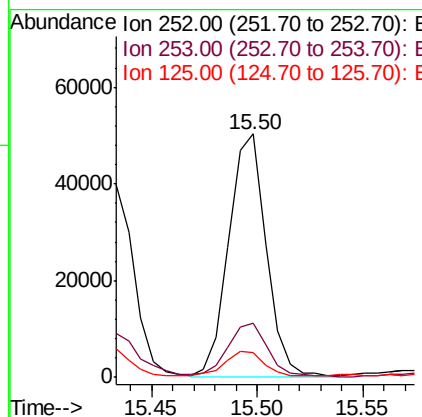
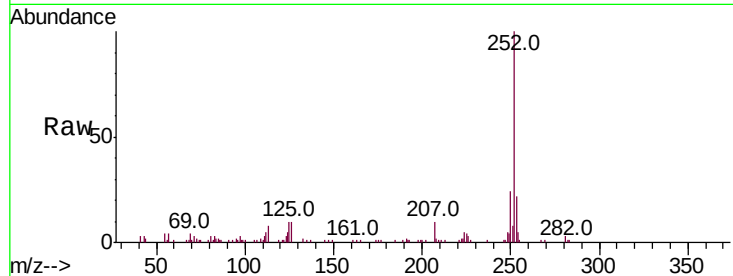
#90
Benzo(a)pyrene
Concen: 2.750 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF113962.D
Acq: 24 Apr 2019 15:36

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	10.3	8.5	12.7

Manual Integrations
APPROVED

Sohil
4/25/2019 5:27:02 PM



#92
Benzo(g,h,i)perylene
Concen: 2.282 ng
RT: 17.49 min Scan# 2619
Delta R.T. -0.02 min
Lab File: BF113962.D
Acq: 24 Apr 2019 15:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	20.2	16.6	25.0

