

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117860.D
 Acq On : 19 Nov 2019 15:36
 Operator : JU
 Sample : K5865-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2-(4-6)

Manual Integrations
 APPROVED

mohammad
 11/20/2019 1:49:15 PM

Quant Time: Nov 20 00:50:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	213638	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	843617	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	457249	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	860029	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	561032	20.00	ng	-0.01
87) Perylene-d12	15.61	264	517516	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1143350	94.73	ng	0.00
7) Phenol-d6	6.53	99	1459869	100.28	ng	-0.01
23) Nitrobenzene-d5	7.47	82	891272	62.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	414239	85.57	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1751234	68.71	ng	-0.01
79) Terphenyl-d14	13.05	244	2017166	65.71	ng	0.00
Target Compounds						
10) Phenol	6.55	94	69489	4.594	ng	97
50) Dimethylphthalate	9.67	163	244294	7.619	ng	98
71) Phenanthrene	11.48	178	87476	2.023	ng	96
78) Pyrene	12.90	202	182345	4.022	ng	98
81) Benzo(a)anthracene	14.09	228	84572	2.281	ng	98
83) Chrysene	14.13	228	81094	2.257	ng	97
88) Benzo(b)fluoranthene	15.16	252	84521m	2.514	ng	

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

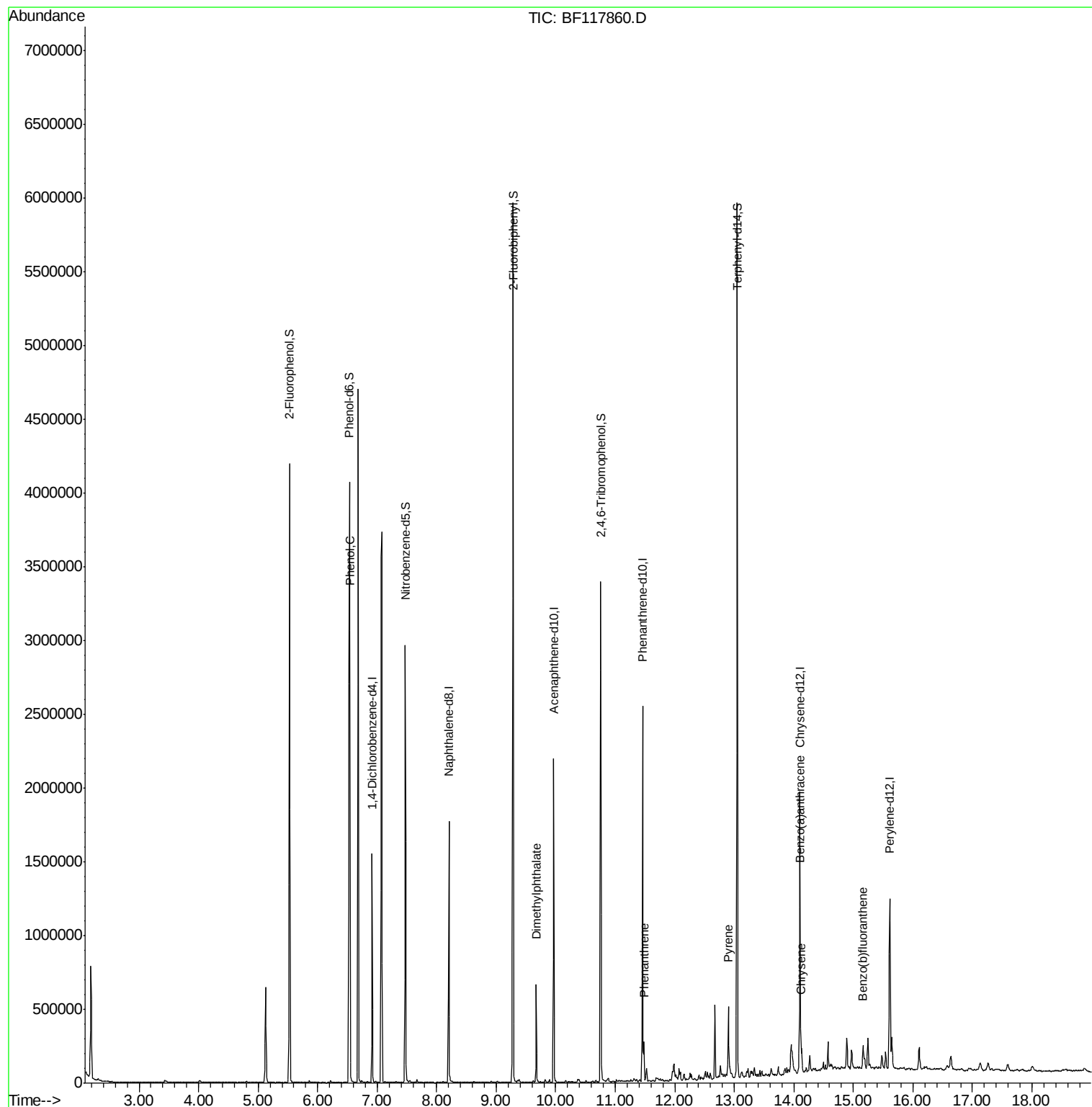
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117860.D
Acq On : 19 Nov 2019 15:36
Operator : JU
Sample : K5865-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

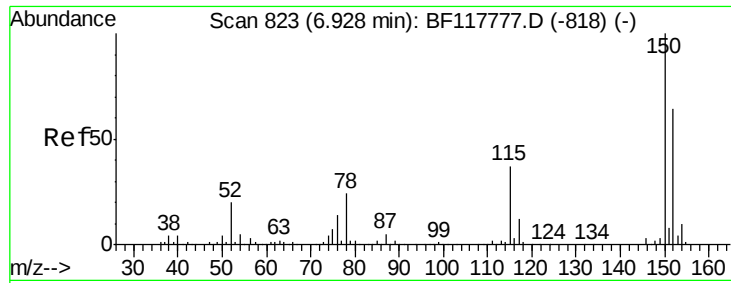
Instrument :
BNA_F
ClientSampleId :
2-(4-6)

Manual Integrations
APPROVED

mohammad
11/20/2019 1:49:15 PM

Quant Time: Nov 20 00:50:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 18:36:07 2019
Response via : Initial Calibration





#1

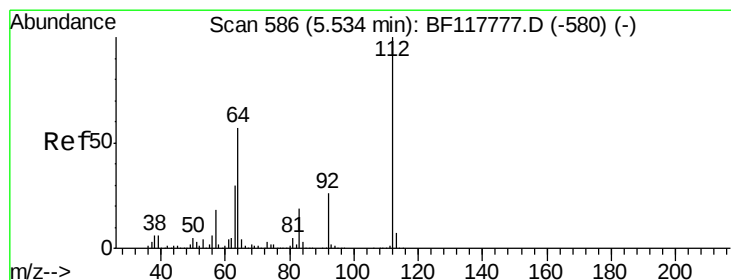
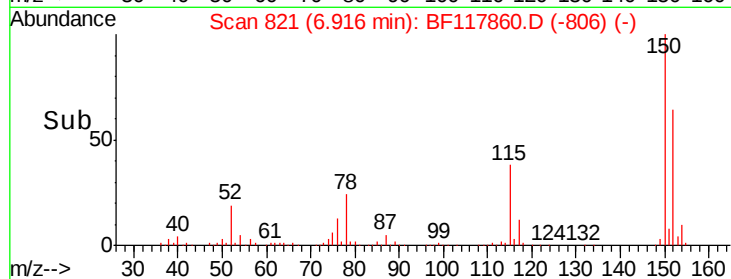
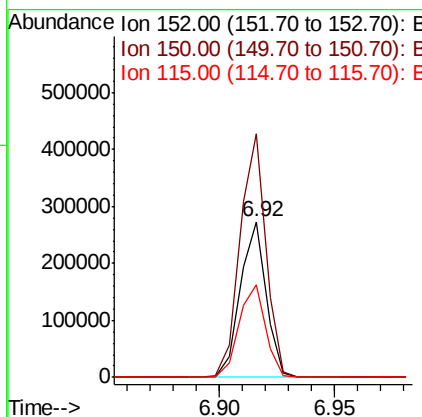
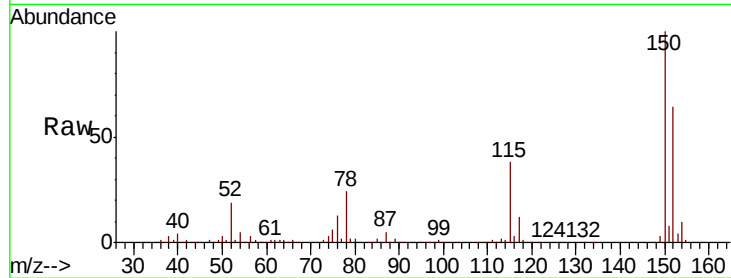
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Instrument :
BNA_F
ClientSampleId :
2-(4-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	125.3	187.9
115	59.1	47.0	70.4

Manual Integrations
APPROVED

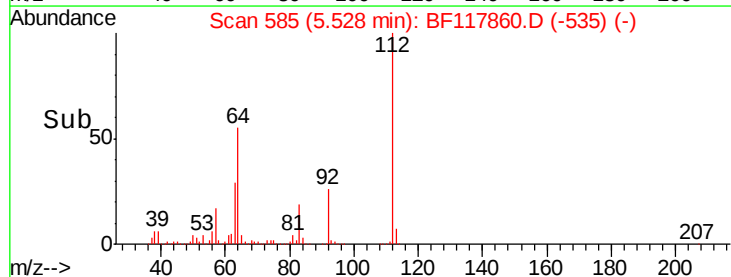
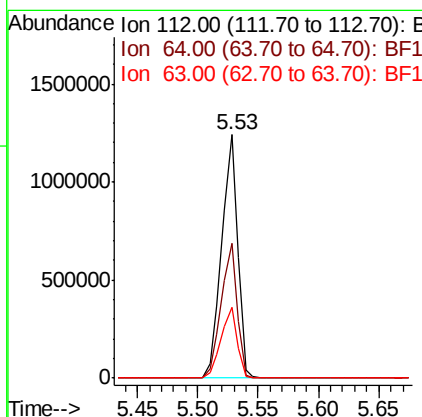
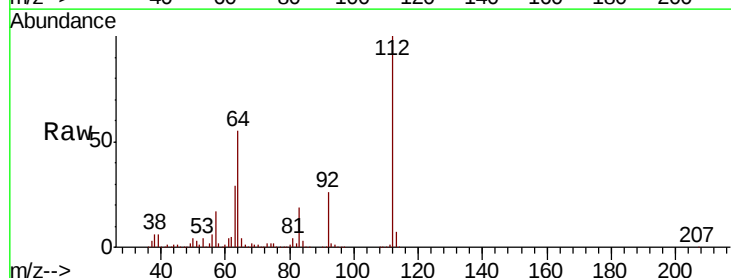
mohammad
11/20/2019 1:49:15 PM

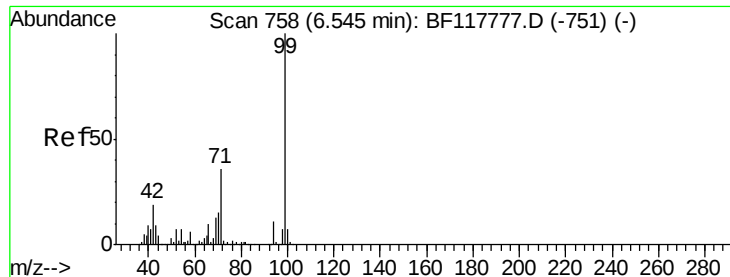


#5

2-Fluorophenol
Concen: 94.733 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	45.6	68.4
63	29.3	24.1	36.1





#7

Phenol-d6

Concen: 100.283 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117860.D

Acq: 19 Nov 2019 15:36

Instrument :

BNA_F

ClientSampleId :

2-(4-6)

Tot Ion: 99 Resp: 1459869

Ion Ratio Lower Upper

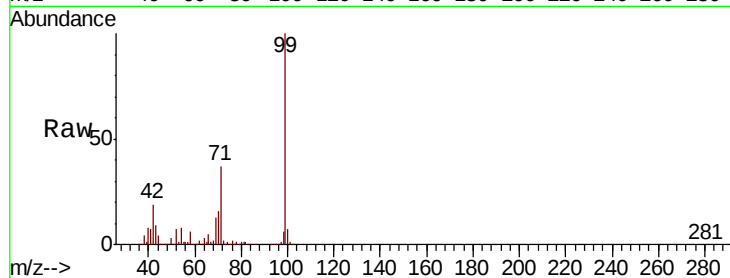
99 100

42 18.8 14.9 22.3

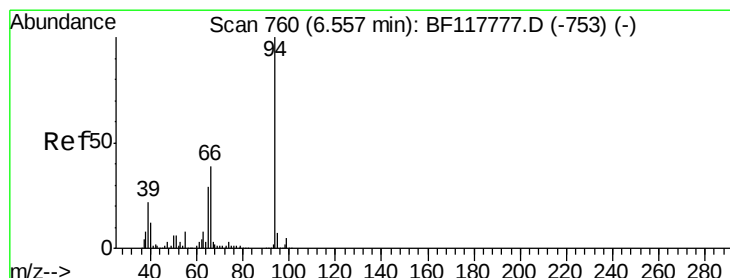
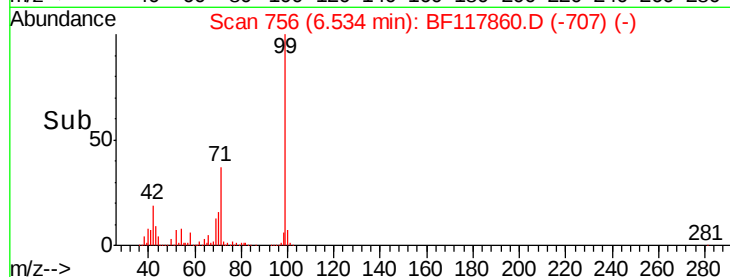
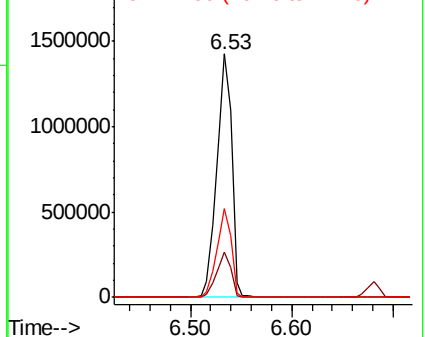
71 36.6 28.6 43.0

Manual Integrations
APPROVED

mohammad
11/20/2019 1:49:15 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.594 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117860.D

Acq: 19 Nov 2019 15:36

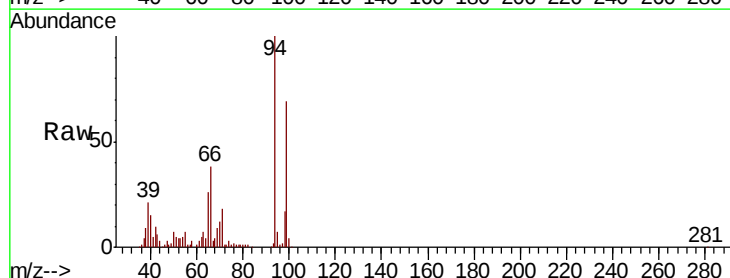
Tgt Ion: 94 Resp: 69489

Ion Ratio Lower Upper

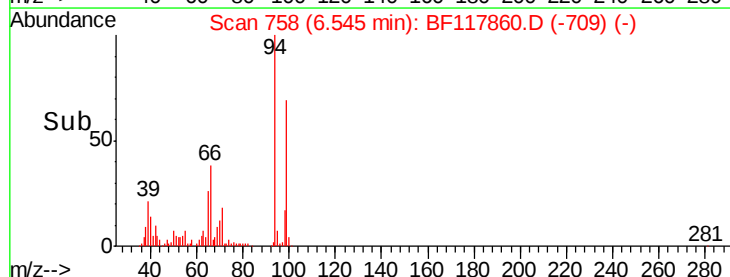
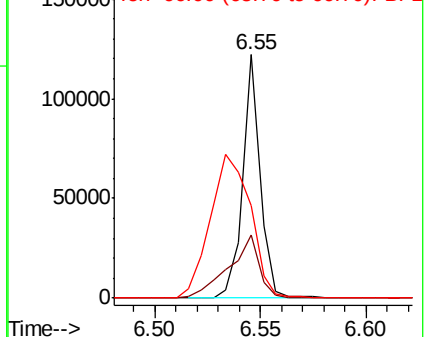
94 100

65 26.2 8.9 48.9

66 38.0 18.7 58.7



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





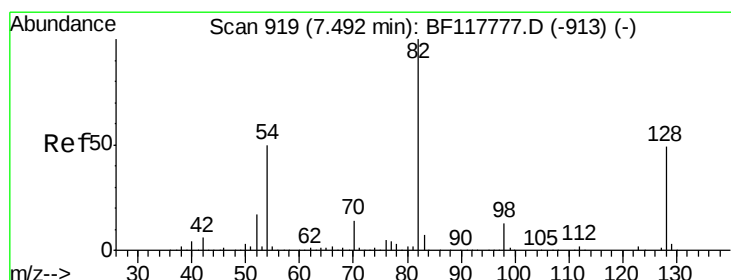
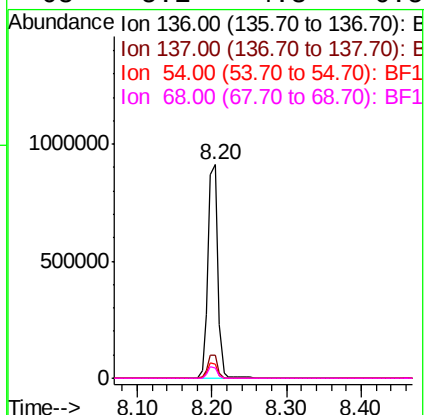
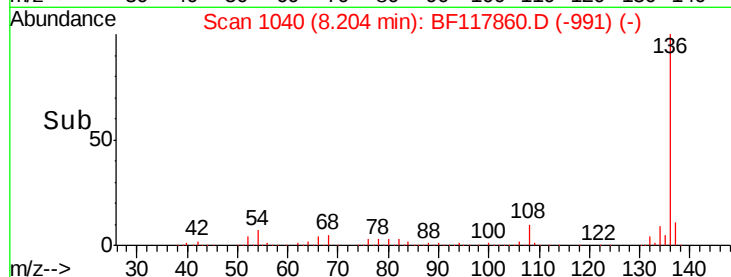
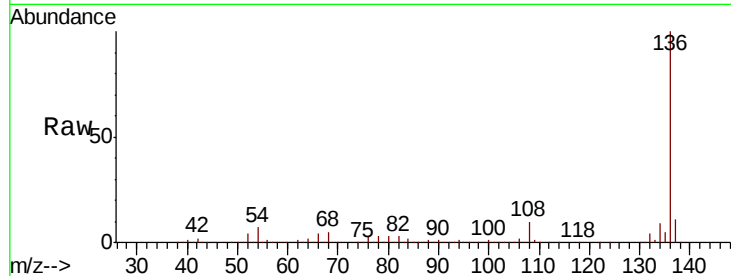
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Instrument :
BNA_F
ClientSampleId :
2-(4-6)

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.6	5.4	8.2
68	5.1	4.3	6.5

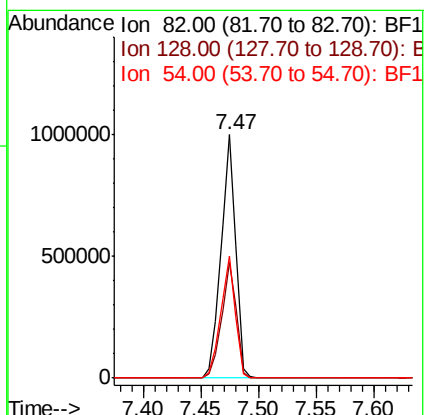
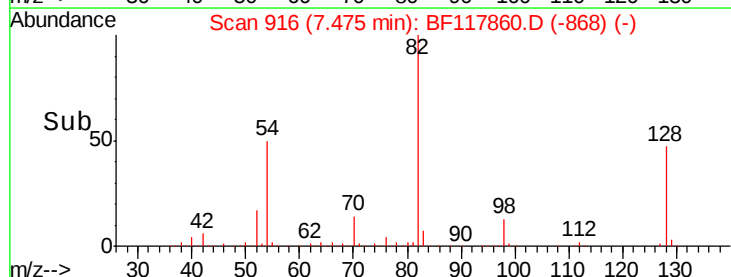
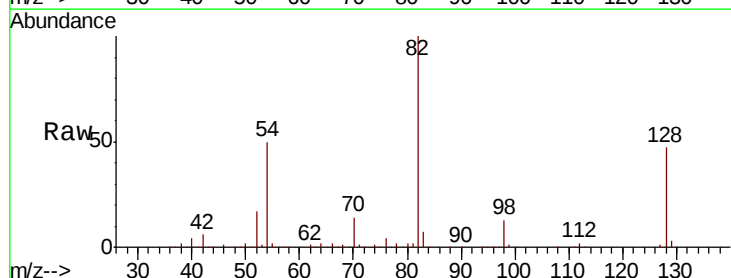
Manual Integrations
APPROVED

mohammad
11/20/2019 1:49:15 PM



#23
Nitrobenzene-d5
Concen: 62.804 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	47.3	38.9	58.3
54	50.0	39.8	59.6





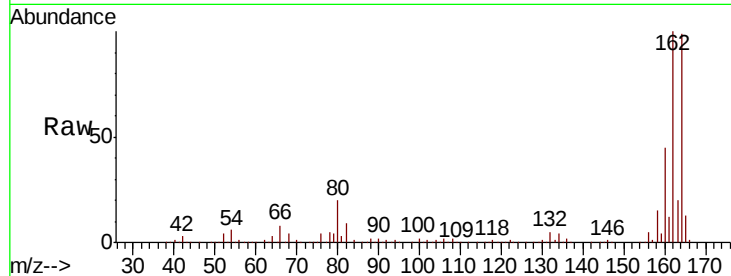
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Instrument :
BNA_F
ClientSampleId :
2-(4-6)

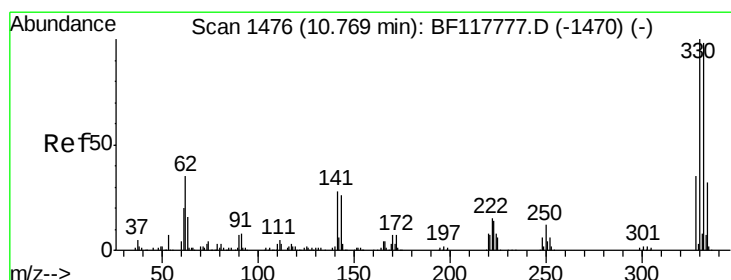
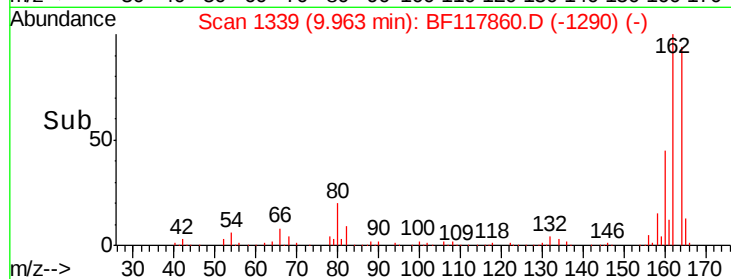
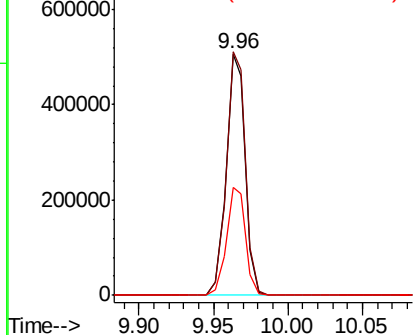
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.3	121.9
160	44.9	36.6	55.0

Manual Integrations
APPROVED

mohammad
11/20/2019 1:49:15 PM

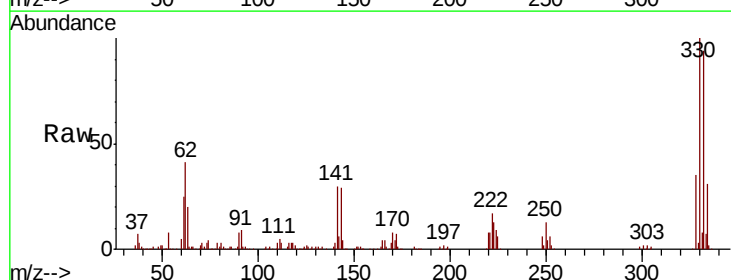


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

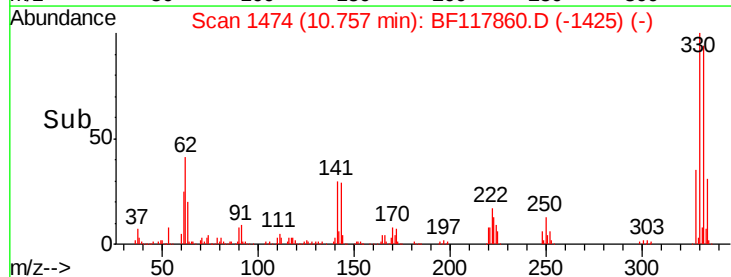
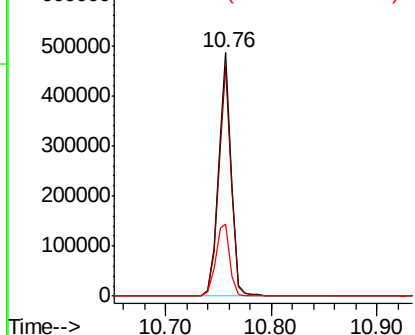


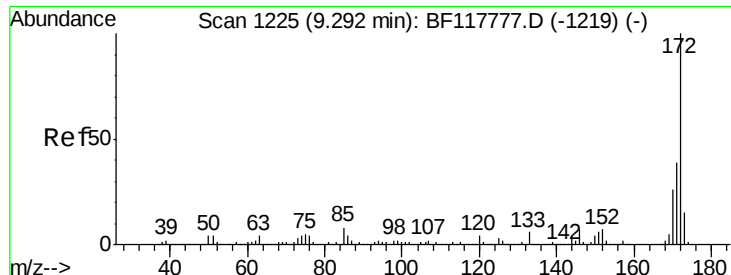
#42
2,4,6-Tribromophenol
Concen: 85.572 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.4	76.7	115.1
141	33.4	27.7	41.5



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





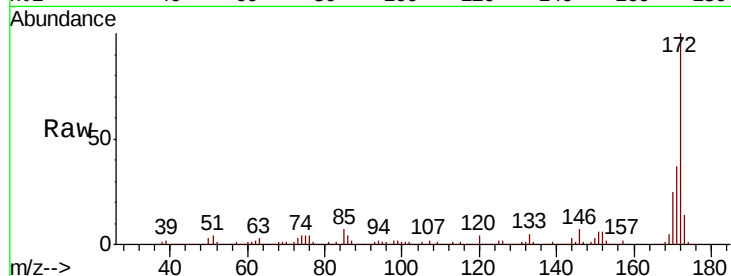
#45
2-Fluorobiphenyl
Concen: 68.710 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Instrument :
BNA_F
ClientSampled :
2-(4-6)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.9	46.3
170	25.1	21.0	31.4

Manual Integrations
APPROVED

mohammad
11/20/2019 1:49:15 PM

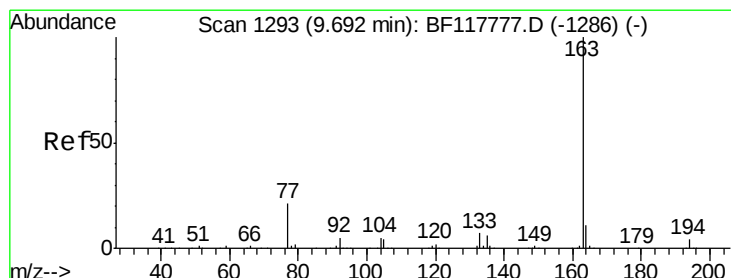
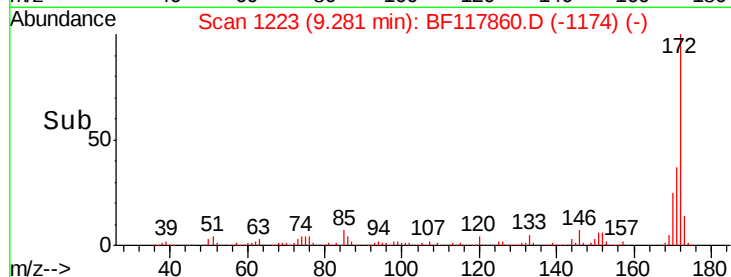
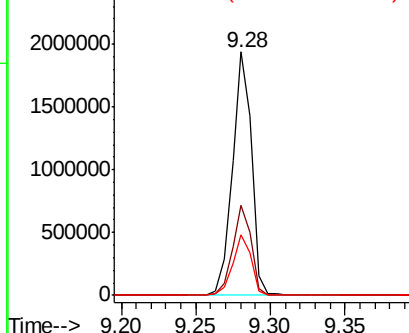


Abundance

Ion 172.00 (171.70 to 172.70): E

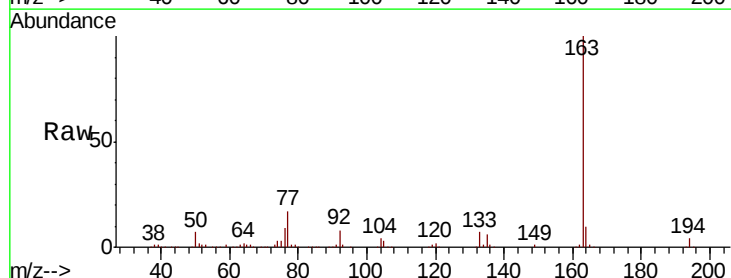
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.619 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.8	8.7	13.1

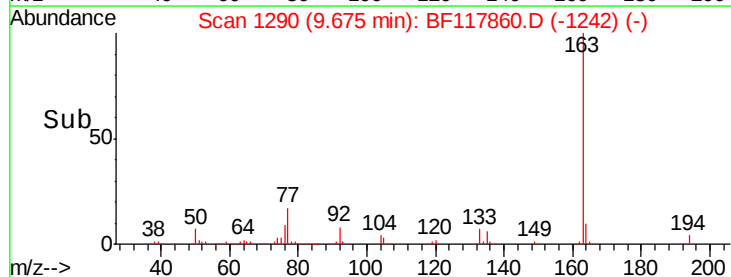
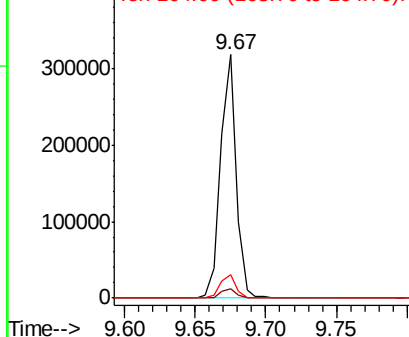


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





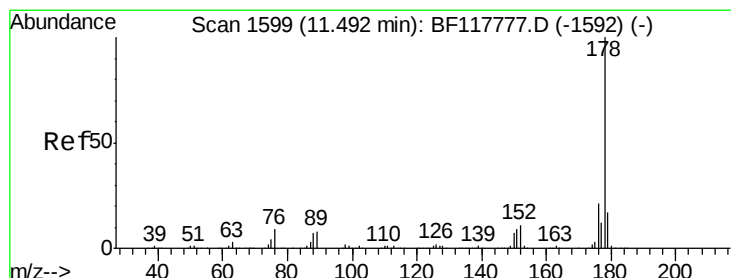
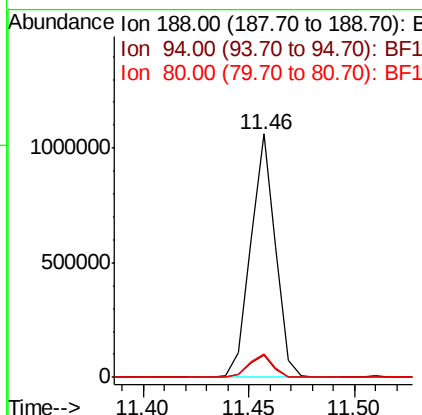
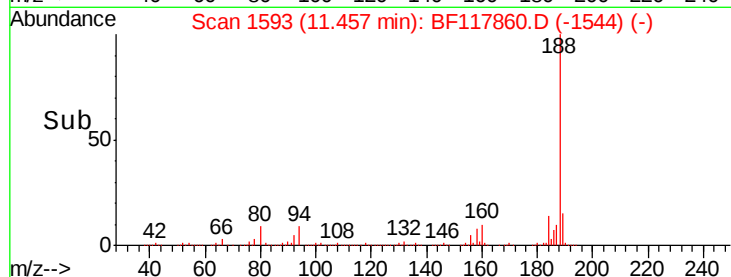
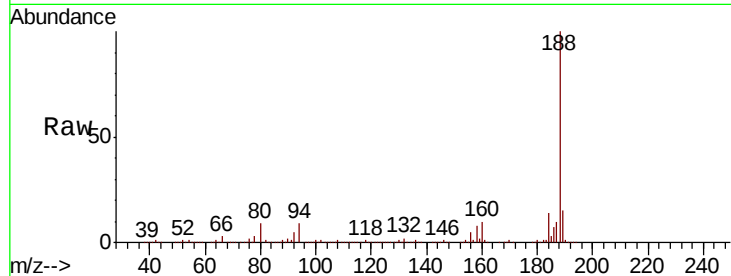
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Instrument :
BNA_F
ClientSampled :
2-(4-6)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	860029		
94	9.1		6.6	10.0
80	9.4		7.2	10.8

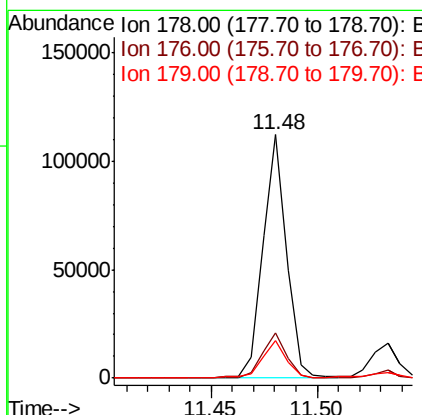
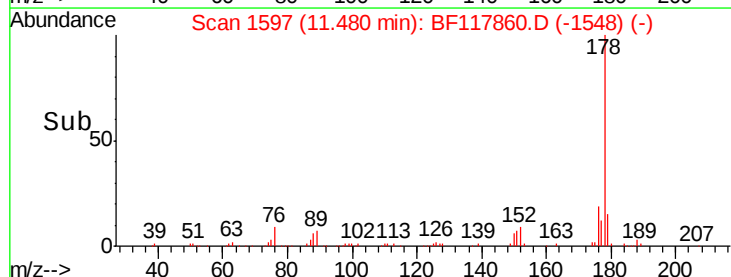
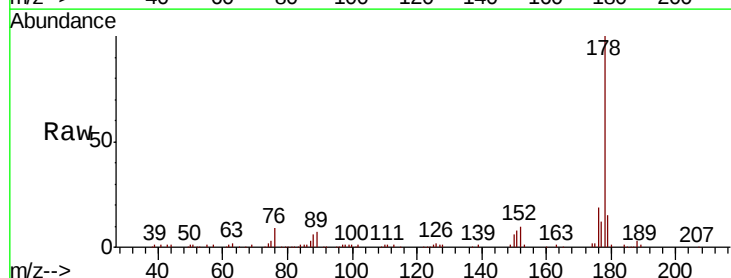
Manual Integrations
APPROVED

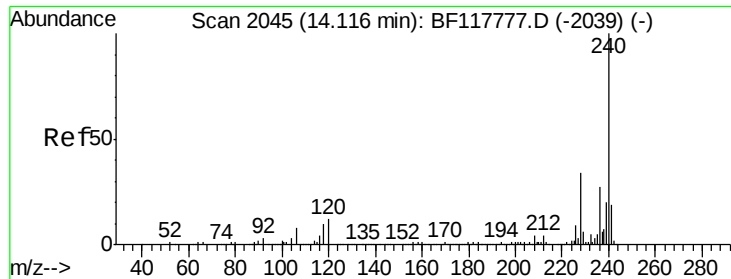
mohammad
11/20/2019 1:49:15 PM



#71
Phenanthrene
Concen: 2.023 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	87476		
176	18.7		16.6	25.0
179	15.5		13.2	19.8





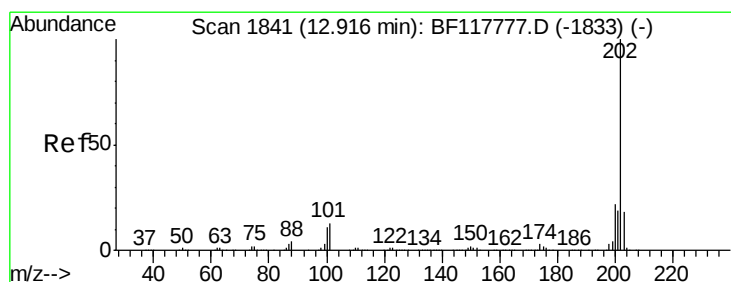
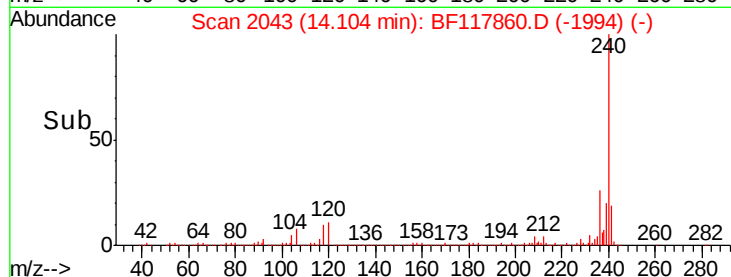
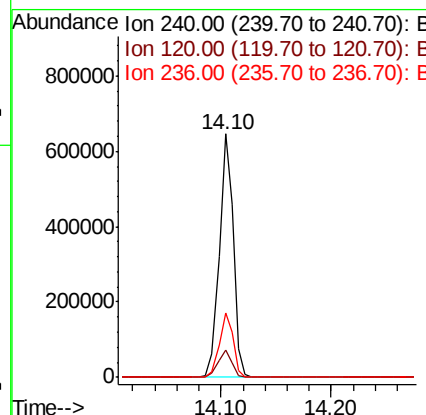
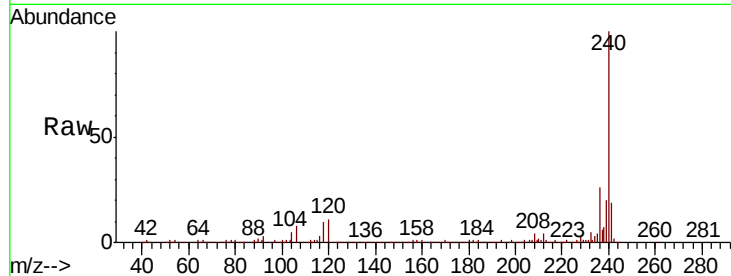
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Instrument :
BNA_F
ClientSampleId :
2-(4-6)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.5	14.3
236	26.4	21.3	31.9

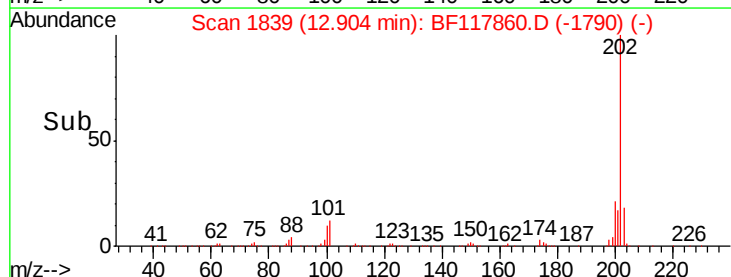
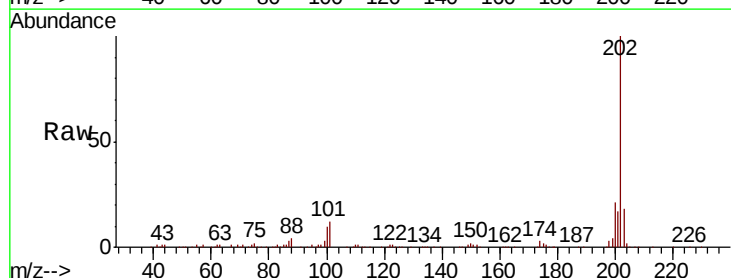
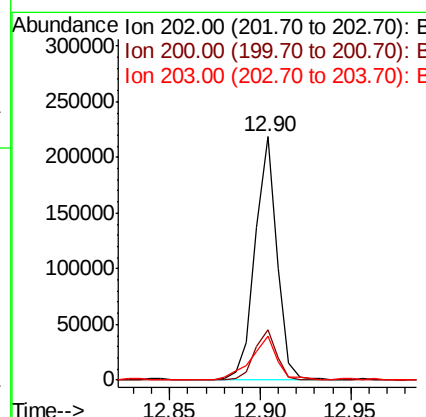
Manual Integrations
APPROVED

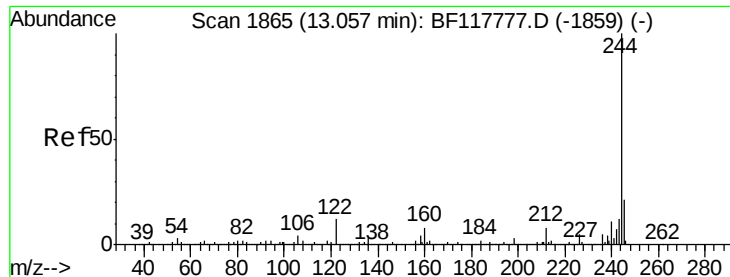
mohammad
11/20/2019 1:49:15 PM



#78
Pyrene
Concen: 4.022 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.8	26.8
203	18.1	14.6	22.0





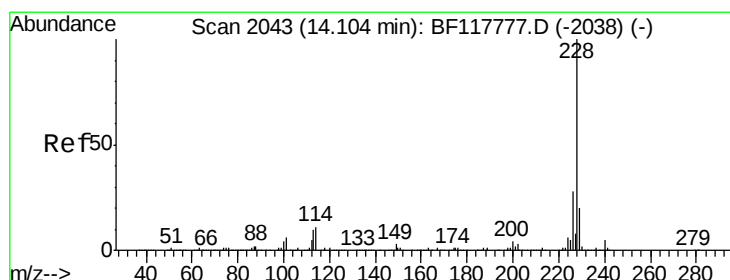
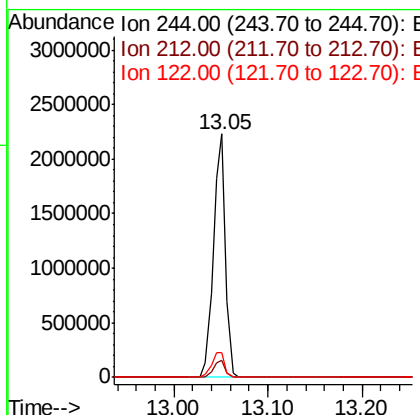
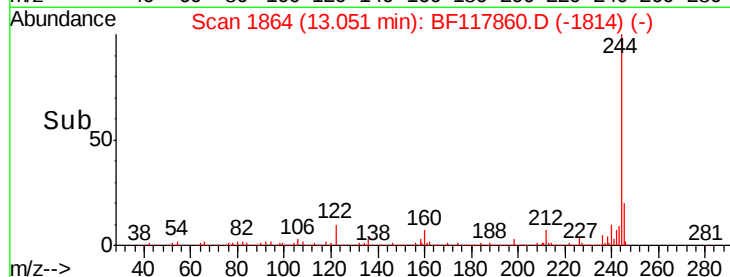
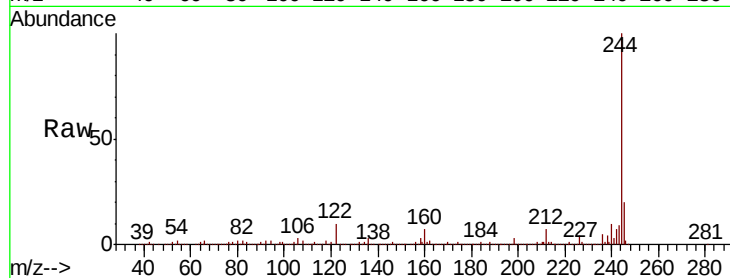
#79
 Terphenyl-d14
 Concen: 65.711 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF117860.D
 Acq: 19 Nov 2019 15:36

Instrument :
 BNA_F
 ClientSampled :
 2-(4-6)

Tot Ion:244 Resp: 2017166
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.3 9.5
 122 10.4 9.4 14.2

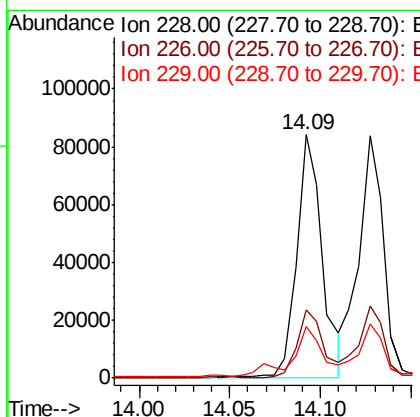
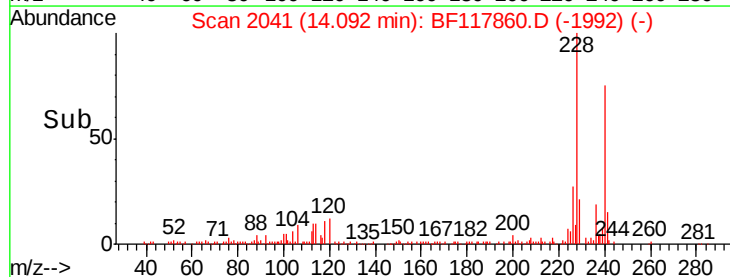
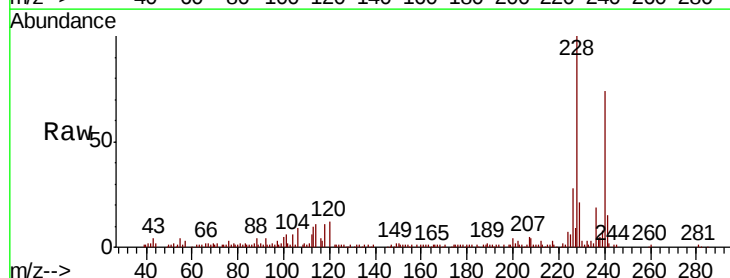
Manual Integrations
 APPROVED

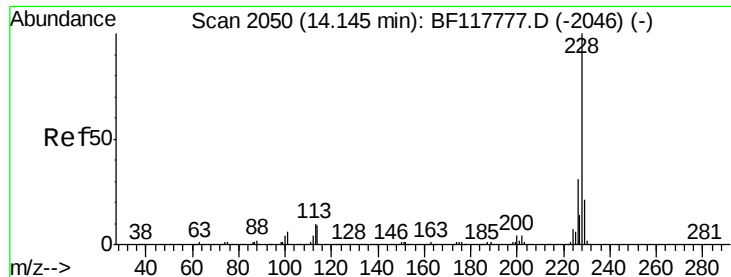
mohammad
 11/20/2019 1:49:15 PM



#81
 Benzo(a)anthracene
 Concen: 2.281 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: BF117860.D
 Acq: 19 Nov 2019 15:36

Tgt Ion:228 Resp: 84572
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.2 33.2
 229 21.4 15.9 23.9





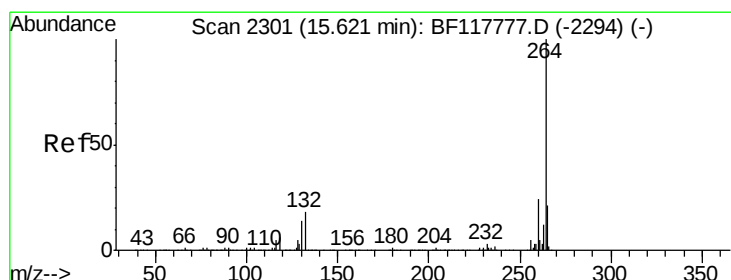
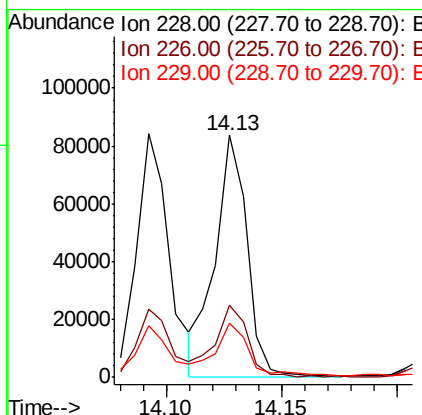
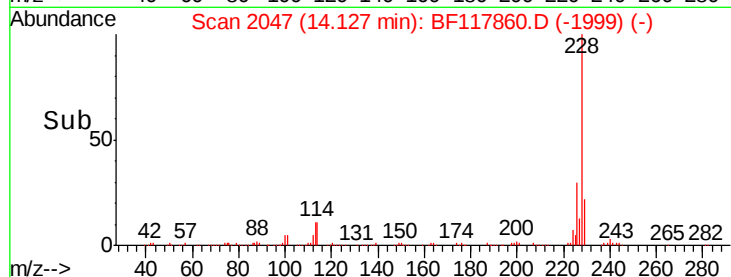
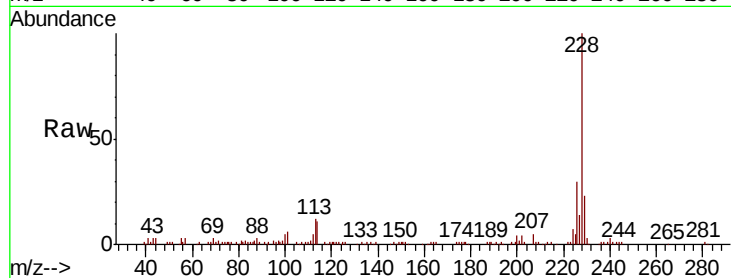
#83
Chrysene
Concen: 2.257 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Instrument :
BNA_F
ClientSampled :
2-(4-6)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.4
229	22.5	16.6	25.0

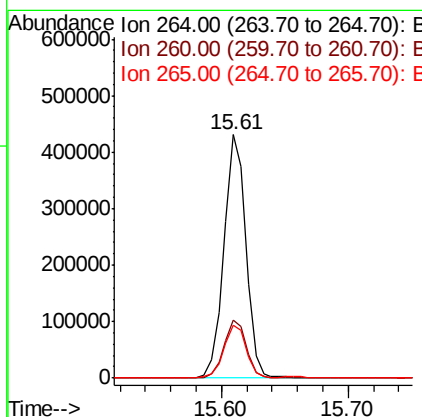
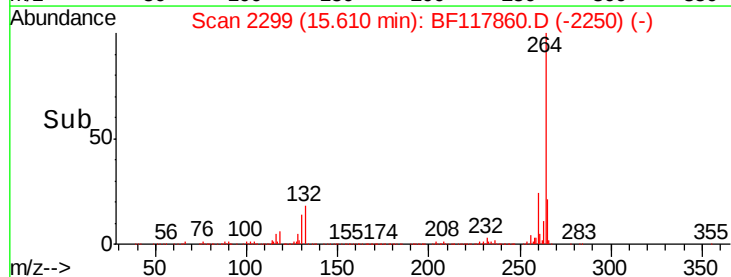
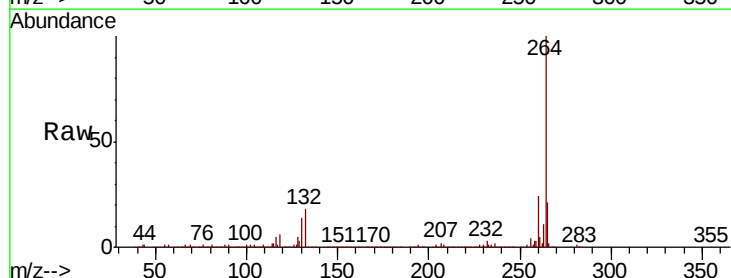
Manual Integrations
APPROVED

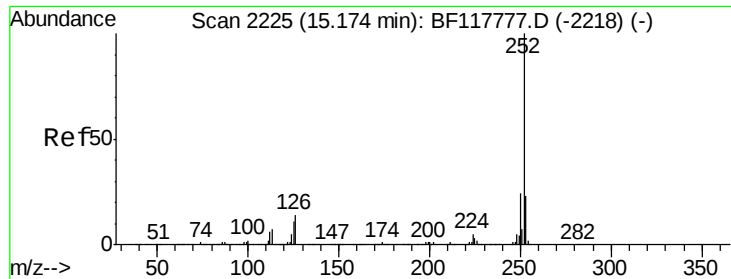
mohammad
11/20/2019 1:49:15 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.0
265	21.5	17.1	25.7





#88
Benzo(b)fluoranthene
Concen: 2.514 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Instrument :
BNA_F
ClientSampleId :
2-(4-6)

Tot Ion:	252	Resp:	84521
Ion Ratio	Lower	Upper	
252	100		
253	24.6	18.0	27.0
125	11.3	8.6	13.0

Manual Integrations
APPROVED

mohammad
11/20/2019 1:49:15 PM

