

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
 Data File : BF112818.D
 Acq On : 4 Mar 2019 12:29
 Operator : JU/SJ
 Sample : K1670-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-032-A

Manual Integrations
 APPROVED

Sohil
 3/5/2019 11:00:34 AM

Quant Time: Mar 05 01:01:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	185039	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	715858	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	328228	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	607034	20.00	ng	0.00
76) Chrysene-d12	13.88	240	443868	20.00	ng	0.00
87) Perylene-d12	15.29	264	471811	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1032966	86.84	ng	0.01
7) Phenol-d6	6.38	99	1340408	89.70	ng	0.01
23) Nitrobenzene-d5	7.30	82	820626	68.60	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	371602	106.64	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1450491	69.86	ng	0.00
79) Terphenyl-d14	12.83	244	1254029	54.77	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.49	163	127926	5.286	ng	100
71) Phenanthrene	11.27	178	126555	4.190	ng	98
75) Fluoranthene	12.46	202	370113	11.438	ng	97
78) Pyrene	12.69	202	319684	8.543	ng	98
81) Benzo(a)anthracene	13.87	228	215841	7.016	ng	96
83) Chrysene	13.90	228	208055	6.904	ng	96
86) Indeno(1,2,3-cd)pyrene	16.65	276	90360	3.517	ng	# 94
88) Benzo(b)fluoranthene	14.89	252	254945m	8.354	ng	
89) Benzo(k)fluoranthene	14.92	252	92415m	3.343	ng	
90) Benzo(a)pyrene	15.23	252	167029	6.188	ng	99
92) Benzo(g,h,i)perylene	17.06	276	71635	3.097	ng	95

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

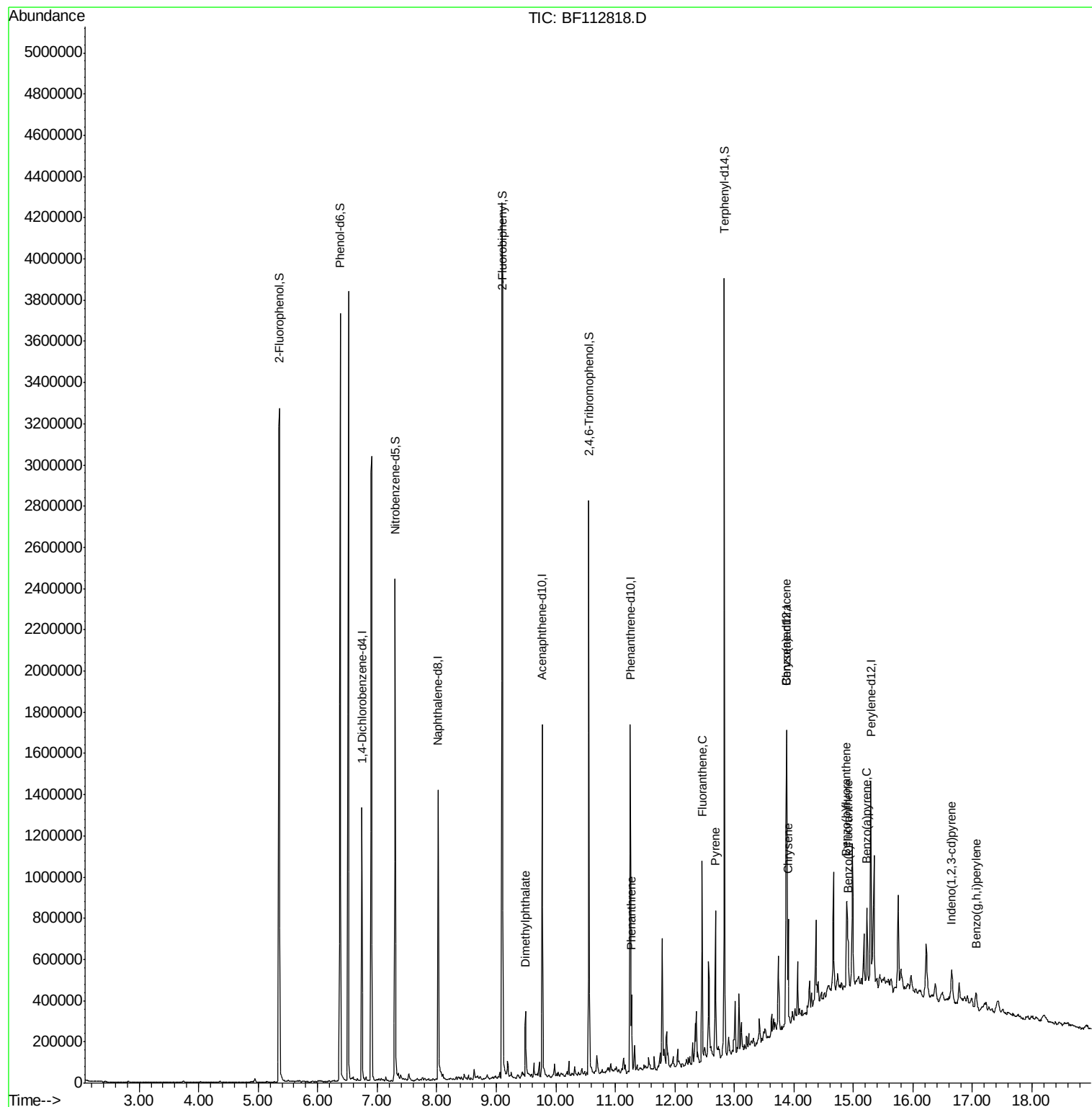
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
Data File : BF112818.D
Acq On : 4 Mar 2019 12:29
Operator : JU/SJ
Sample : K1670-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

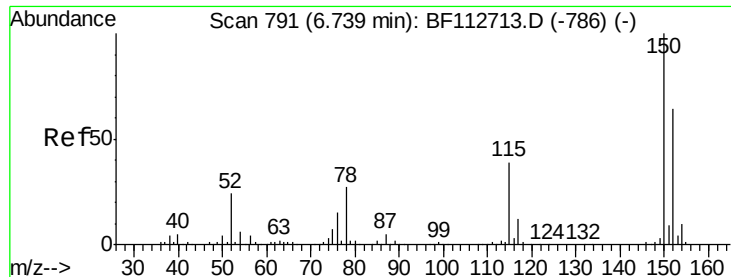
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-A

Manual Integrations
APPROVED

Sohil
3/5/2019 11:00:34 AM

Quant Time: Mar 05 01:01:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration





#1

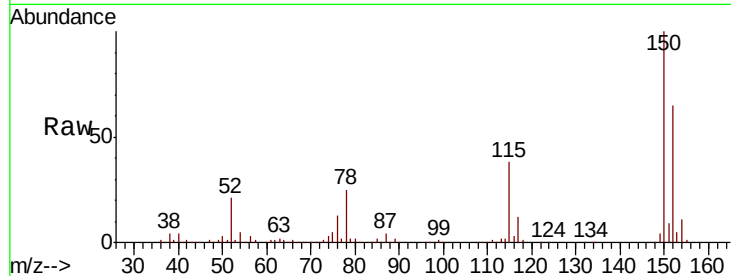
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112818.D
Acq: 4 Mar 2019 12:29

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.2	186.2
115	57.9	48.2	72.4

Manual Integrations
APPROVED

Sohil
3/5/2019 11:00:34 AM

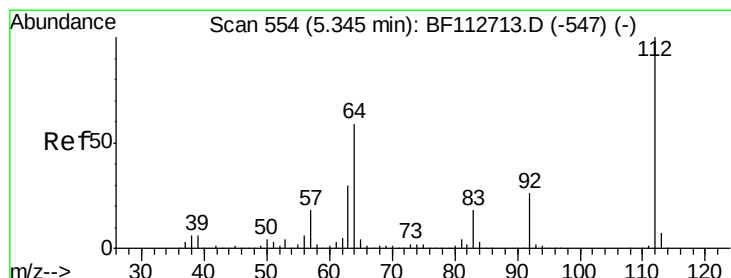
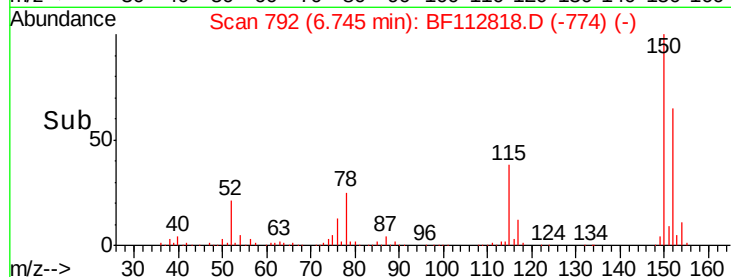
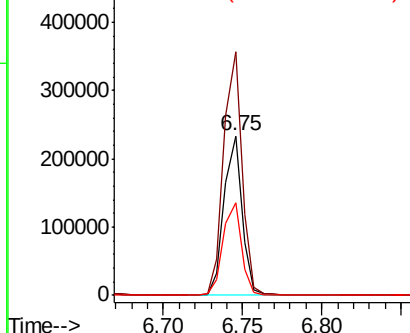


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

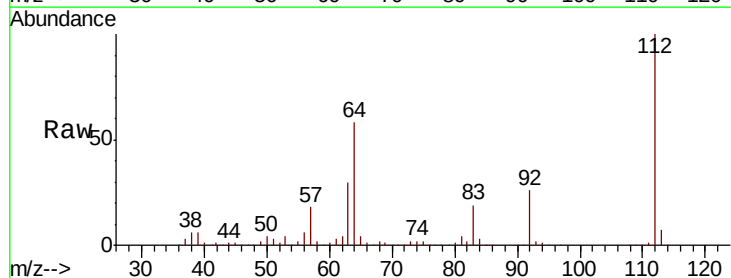
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 86.837 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112818.D
Acq: 4 Mar 2019 12:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.6	71.4
63	30.0	24.4	36.6

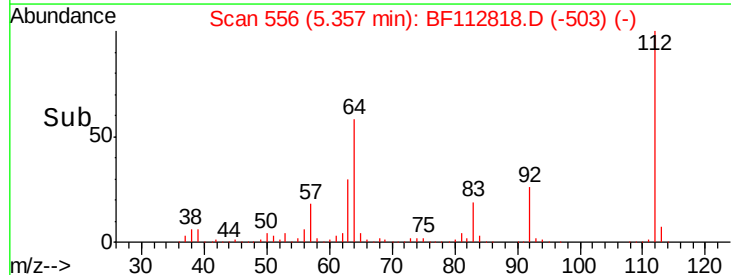
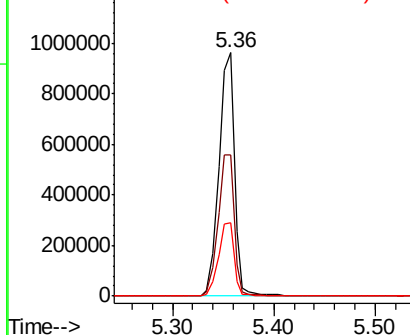


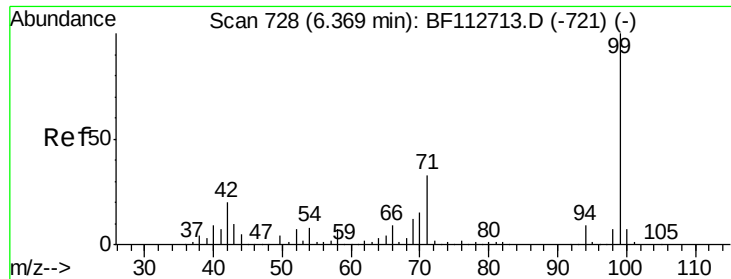
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 89.704 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112818.D

Acq: 4 Mar 2019 12:29

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-032-A

Tot Ion: 99 Resp: 1340408

Ion Ratio Lower Upper

99 100

42 19.1 16.3 24.5

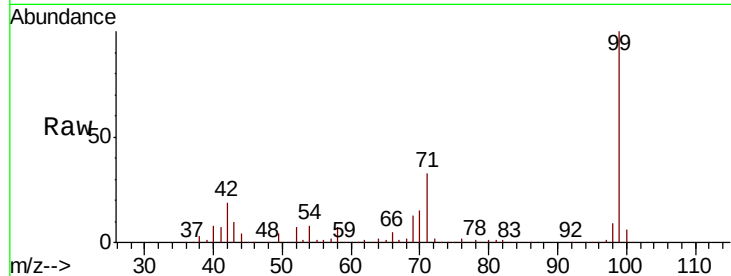
71 32.9 26.2 39.4

Manual Integrations

APPROVED

Sohil

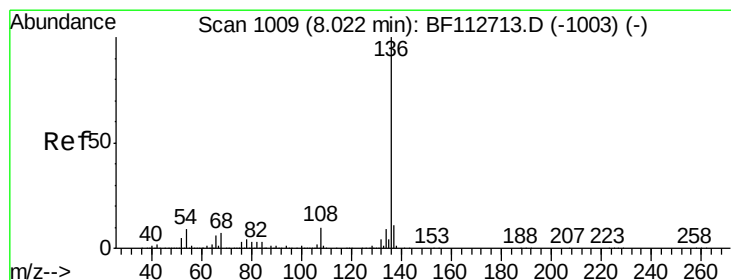
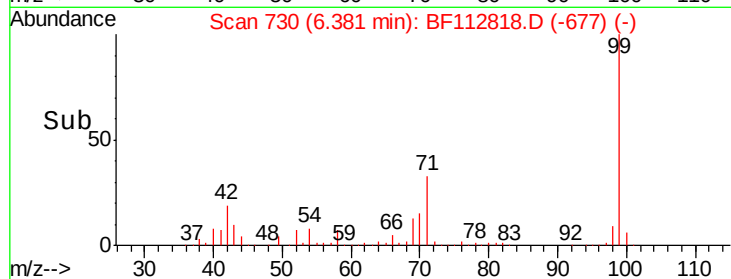
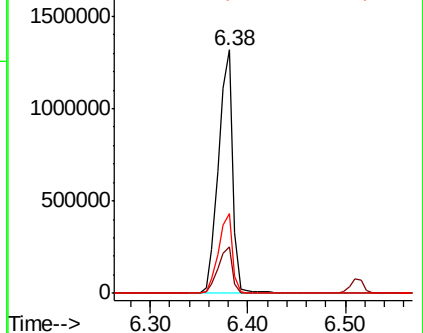
3/5/2019 11:00:34 AM



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF112818.D

Acq: 4 Mar 2019 12:29

Tgt Ion: 136 Resp: 715858

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.0 7.3 10.9

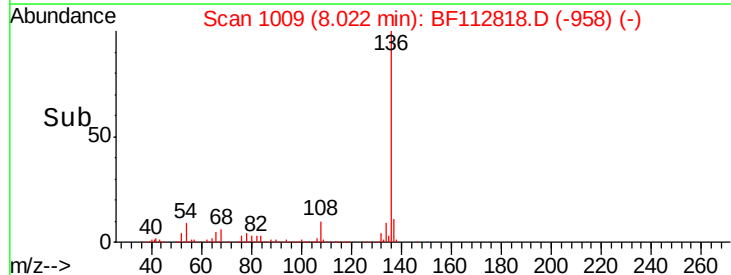
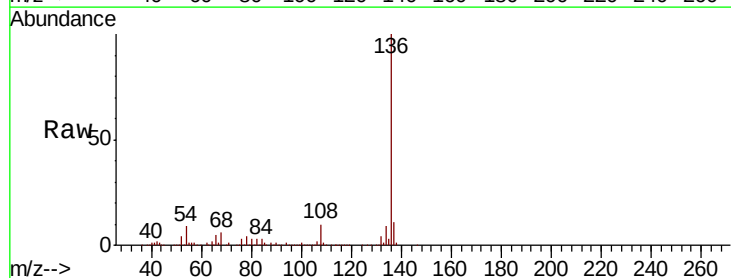
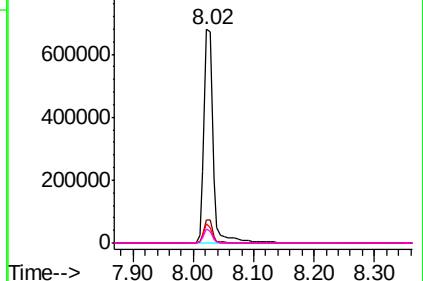
68 6.5 5.4 8.2

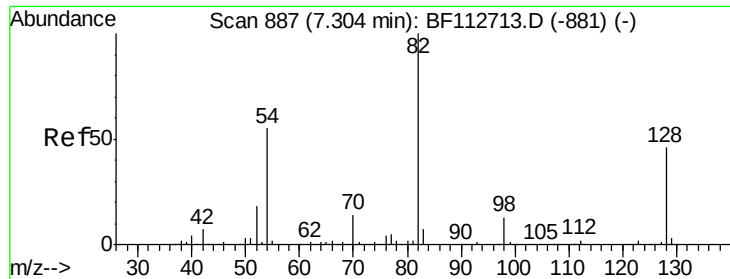
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





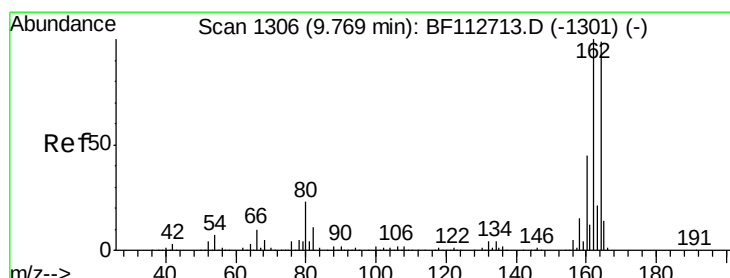
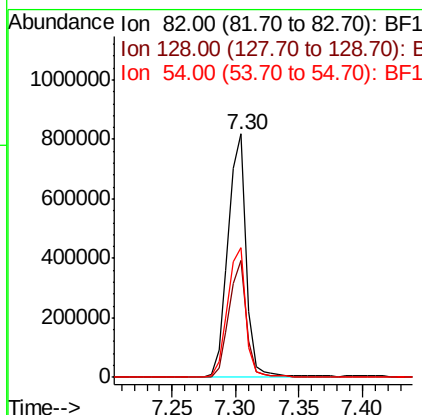
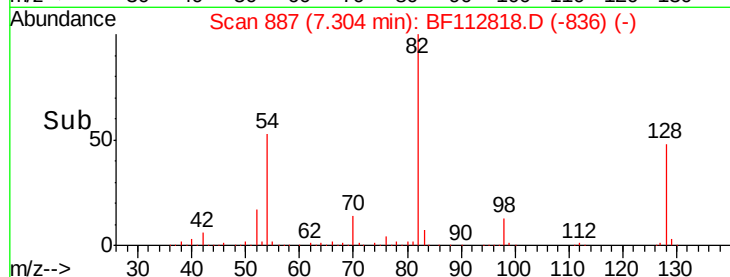
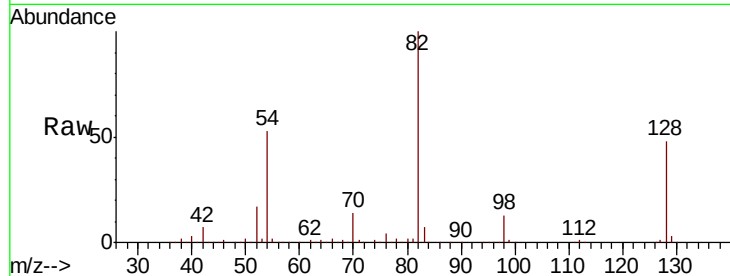
#23
Nitrobenzene-d5
Concen: 68.595 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF112818.D
Acq: 4 Mar 2019 12:29

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.2	36.3	54.5
54	53.1	43.7	65.5

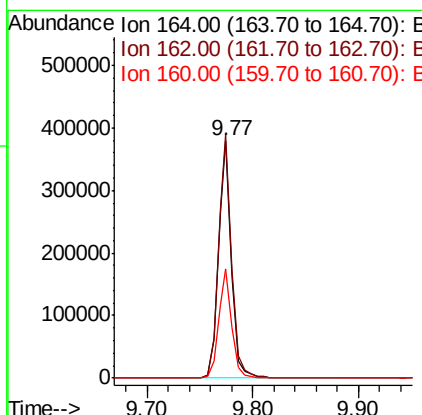
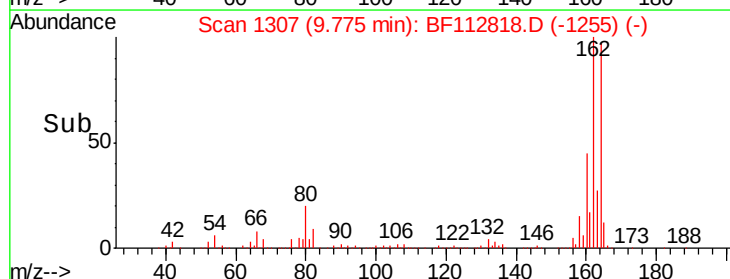
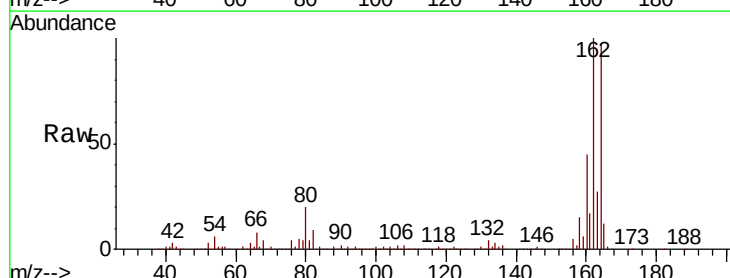
Manual Integrations
APPROVED

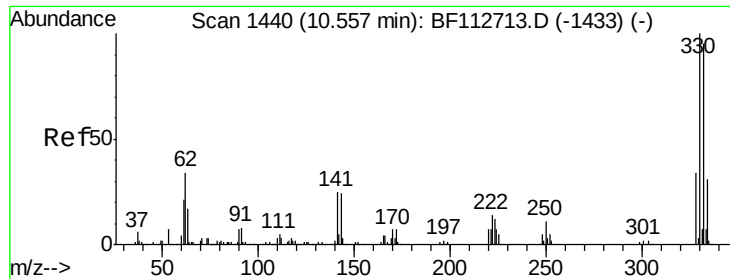
Sohil
3/5/2019 11:00:34 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112818.D
Acq: 4 Mar 2019 12:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	80.6	120.8
160	46.0	36.0	54.0





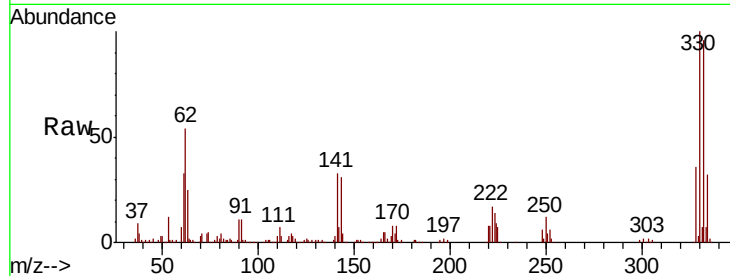
#42
 2,4,6-Tribromophenol
 Concen: 106.643 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112818.D
 Acq: 4 Mar 2019 12:29

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-032-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	371602		
332	96.3	76.2	114.4	
141	30.6	27.0	40.6	

Manual Integrations
 APPROVED

Sohil
 3/5/2019 11:00:34 AM

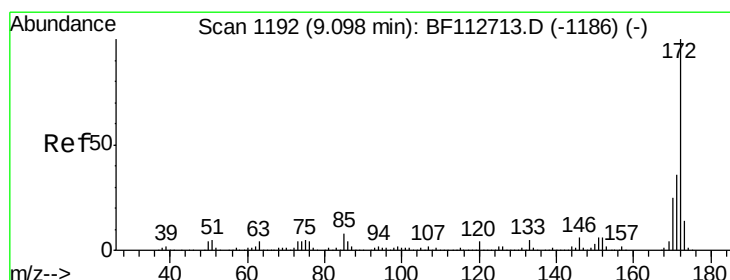
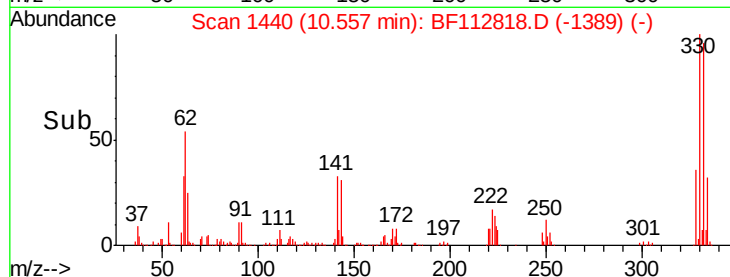
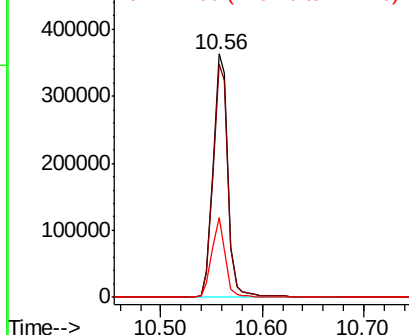


Abundance

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: 69.858 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112818.D
 Acq: 4 Mar 2019 12:29

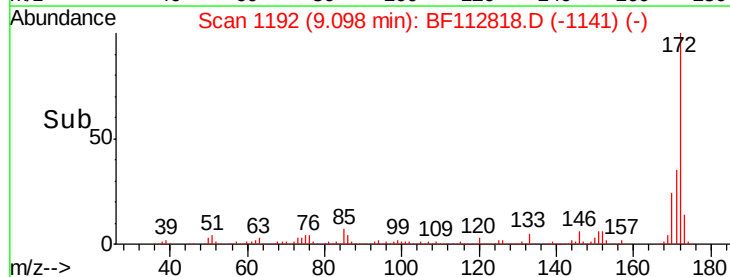
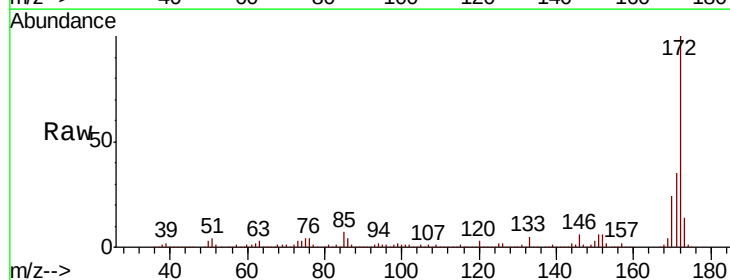
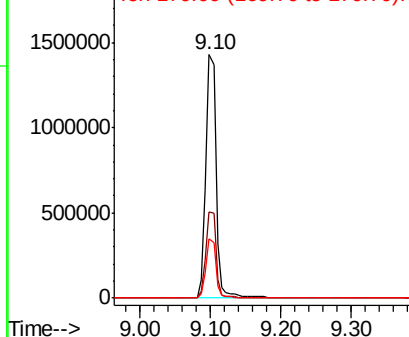
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1450491		
171	35.3	29.0	43.4	
170	24.3	20.0	30.0	

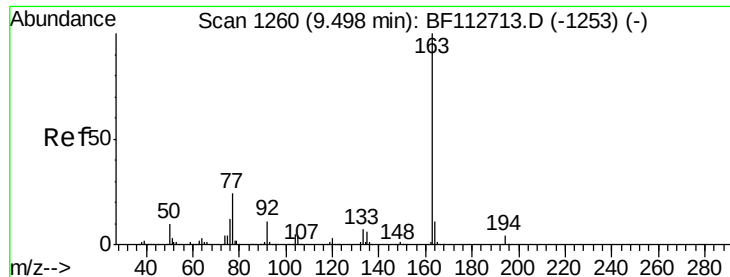
Abundance

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





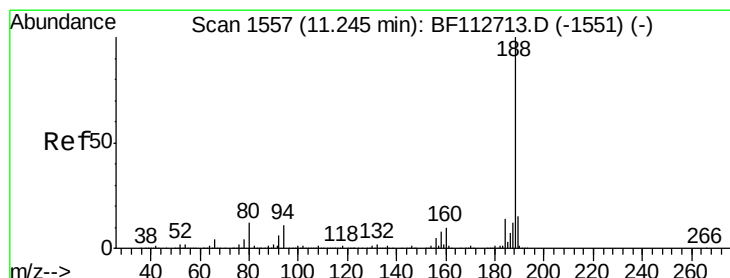
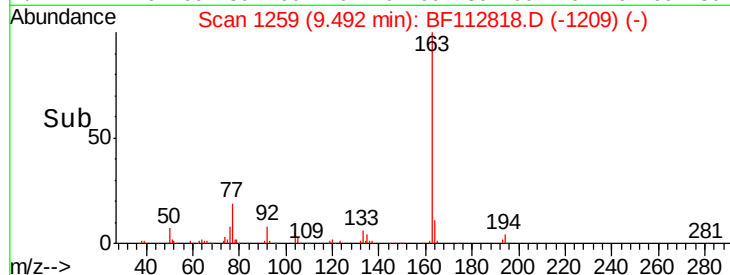
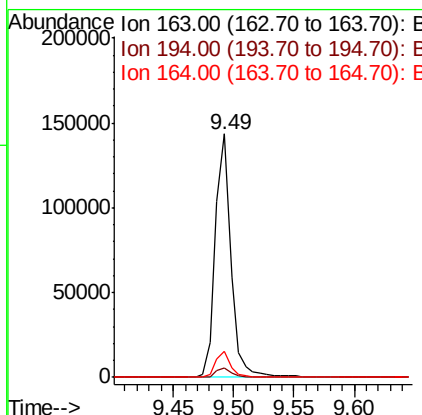
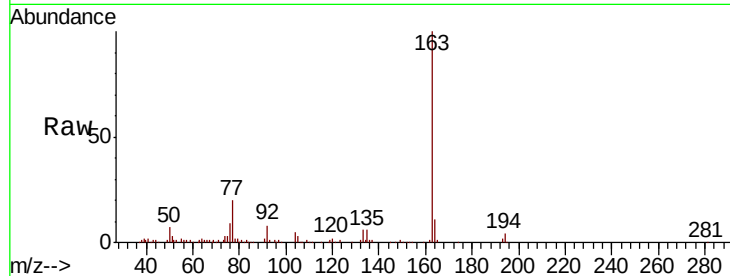
#50
Dimethylphthalate
Concen: 5.286 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112818.D
Acq: 4 Mar 2019 12:29

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		127926		
194	3.9		3.0	4.4	
164	10.5		8.4	12.6	

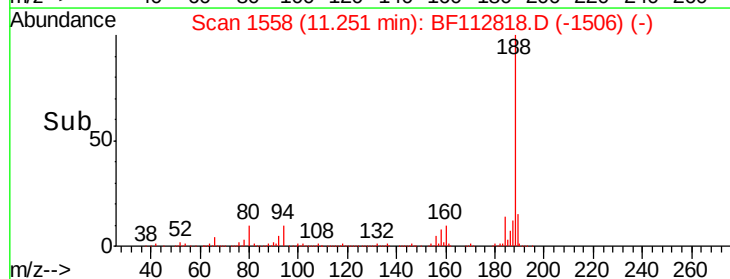
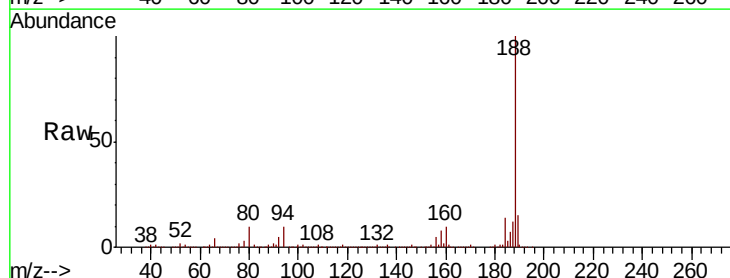
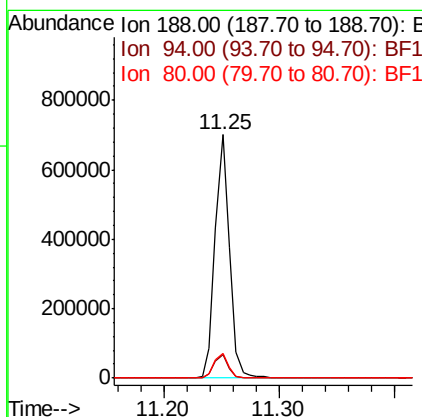
Manual Integrations
APPROVED

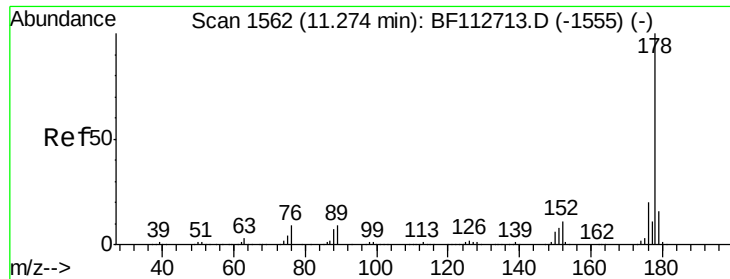
Sohil
3/5/2019 11:00:34 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112818.D
Acq: 4 Mar 2019 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		607034		
94	9.7		9.0	13.4	
80	10.2		9.2	13.8	





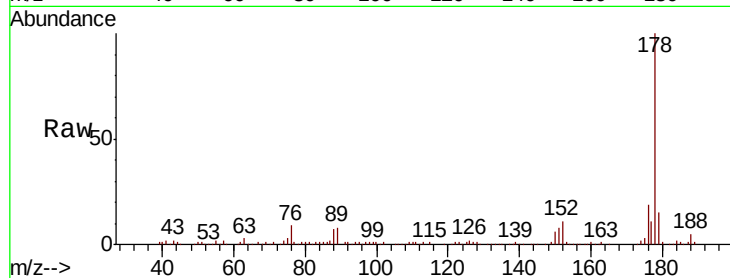
#71
Phenanthrene
Concen: 4.190 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF112818.D
Acq: 4 Mar 2019 12:29

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.3	24.5
179	15.2	12.7	19.1

Manual Integrations
APPROVED

Sohil
3/5/2019 11:00:34 AM

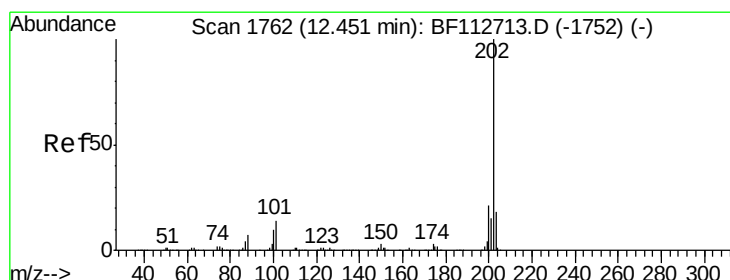
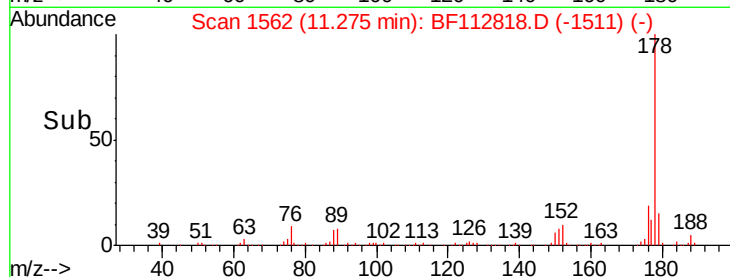
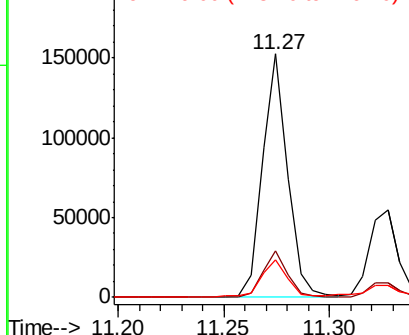


Abundance

Ion 178.00 (177.70 to 178.70): E

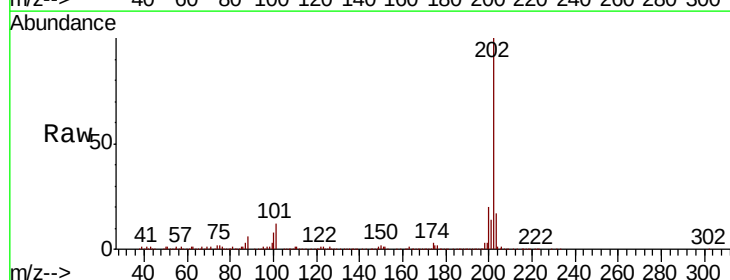
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 11.438 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.01 min
Lab File: BF112818.D
Acq: 4 Mar 2019 12:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	33.8
203	17.4	0.0	38.4

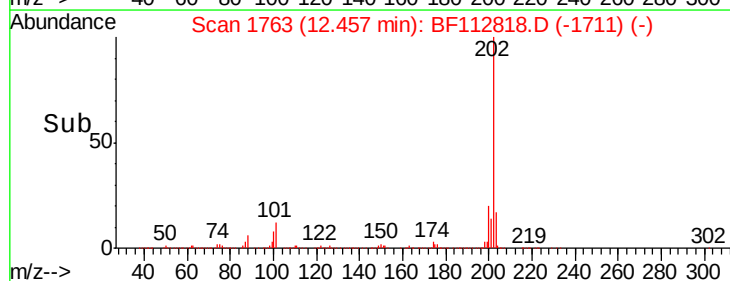
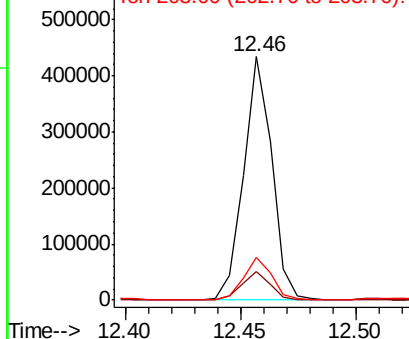


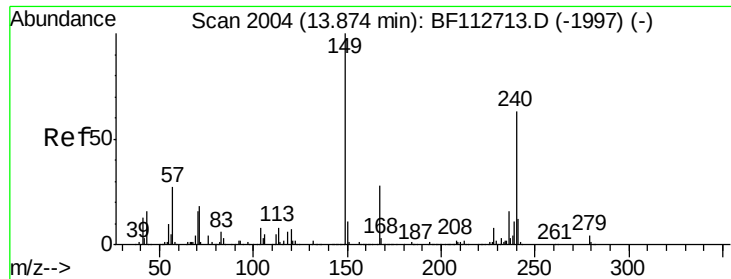
Abundance

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





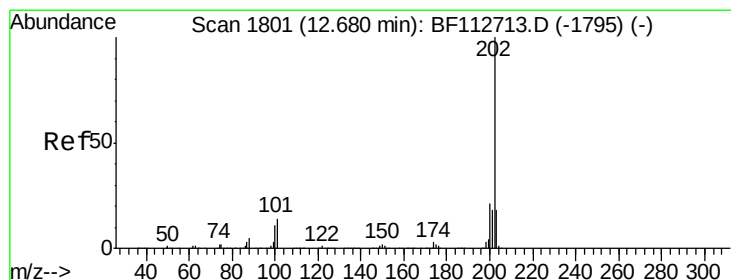
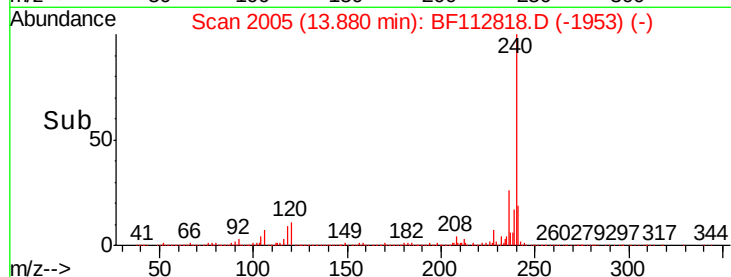
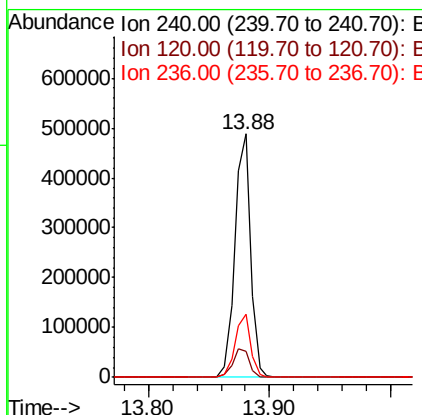
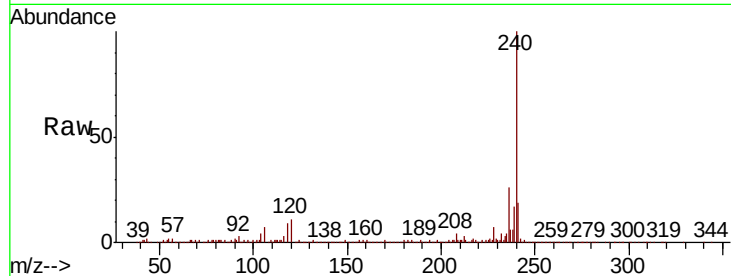
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. 0.01 min
 Lab File: BF112818.D
 Acq: 4 Mar 2019 12:29

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-032-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	26.0	20.7	31.1

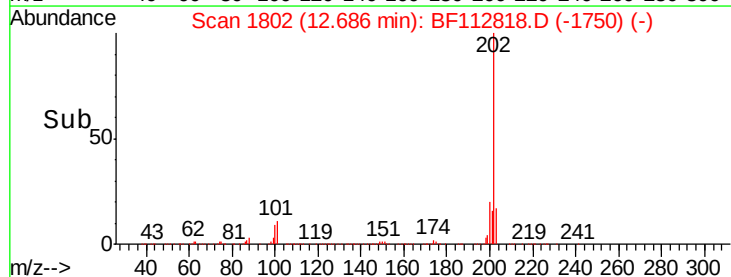
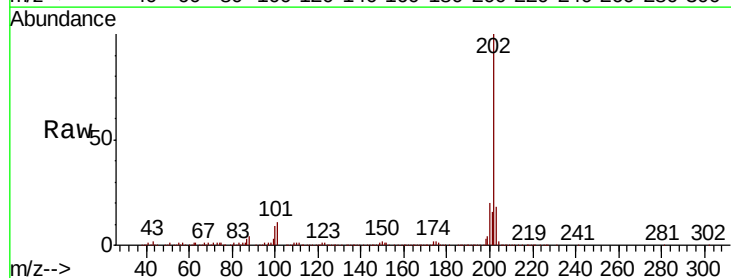
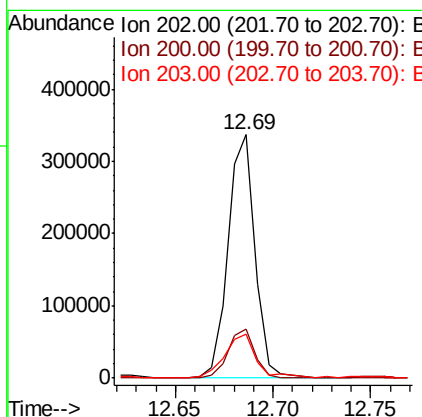
Manual Integrations
 APPROVED

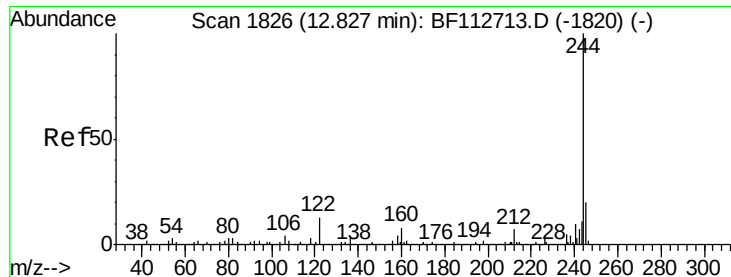
Sohil
 3/5/2019 11:00:34 AM



#78
 Pyrene
 Concen: 8.543 ng
 RT: 12.69 min Scan# 1802
 Delta R.T. 0.01 min
 Lab File: BF112818.D
 Acq: 4 Mar 2019 12:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.0	25.4
203	17.8	14.4	21.6





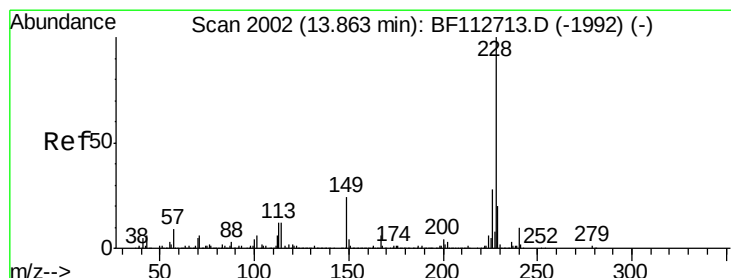
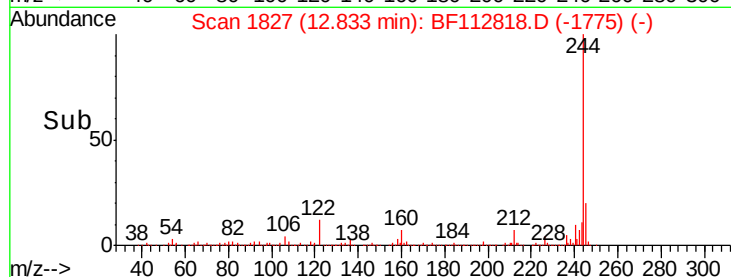
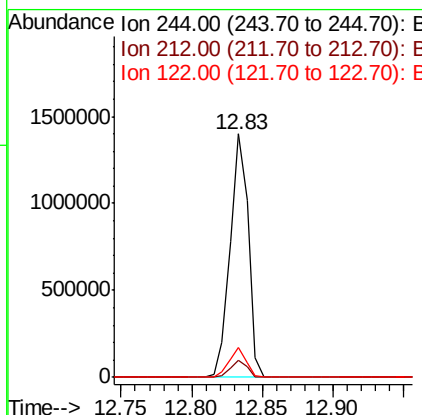
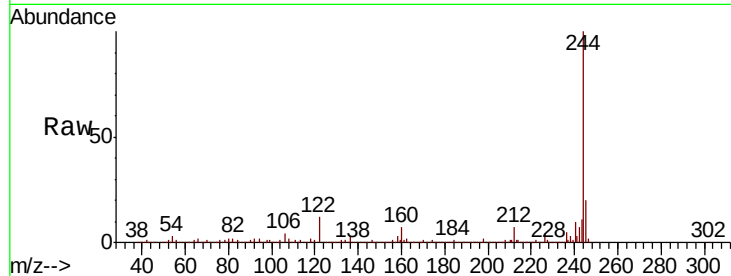
#79
 Terphenyl-d14
 Concen: 54.767 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF112818.D
 Acq: 4 Mar 2019 12:29

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-032-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	12.1	10.5	15.7

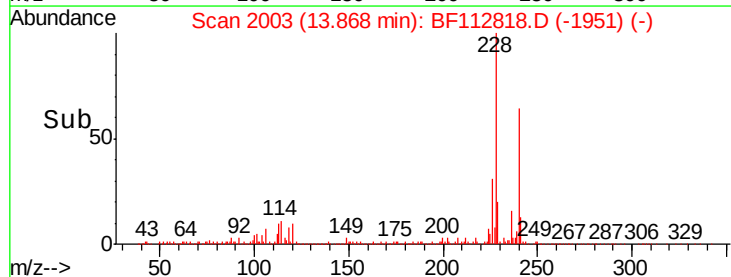
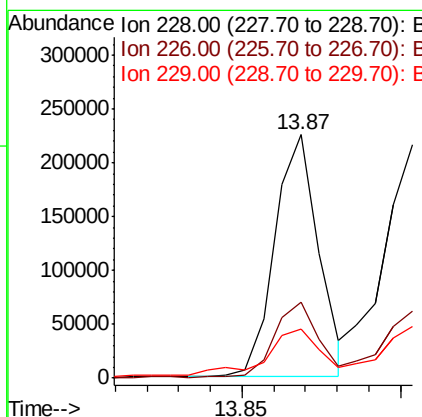
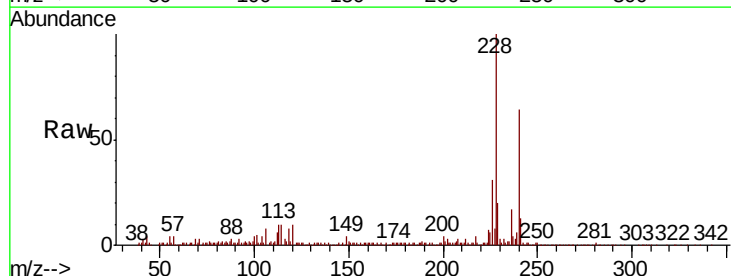
Manual Integrations
 APPROVED

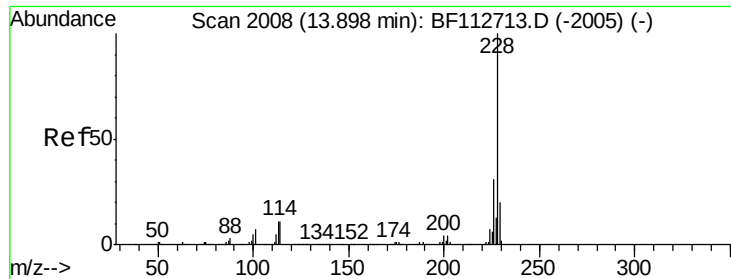
Sohil
 3/5/2019 11:00:34 AM



#81
 Benzo(a)anthracene
 Concen: 7.016 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. 0.01 min
 Lab File: BF112818.D
 Acq: 4 Mar 2019 12:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.2	33.4
229	20.2	16.0	24.0





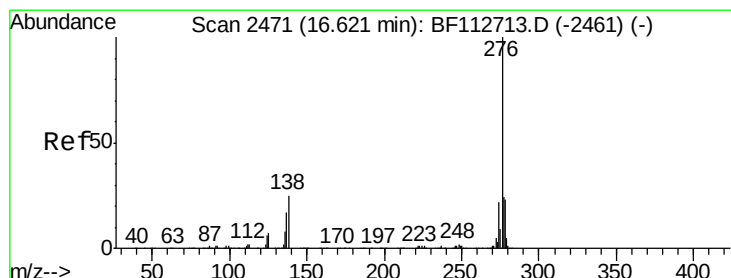
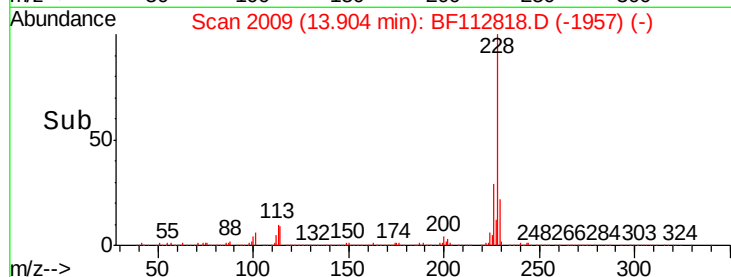
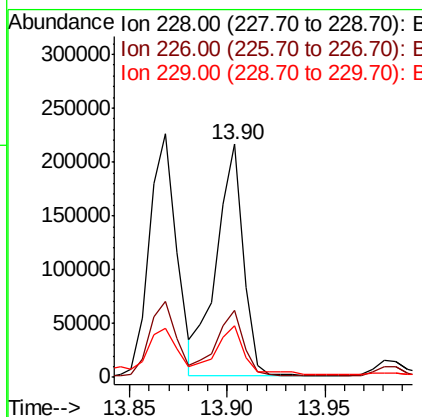
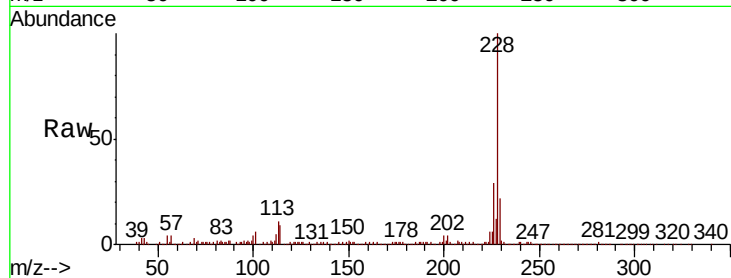
#83
Chrysene
Concen: 6.904 ng
RT: 13.90 min Scan# 2009
Delta R.T. 0.01 min
Lab File: BF112818.D
Acq: 4 Mar 2019 12:29

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-A

Tot Ion:	228	Resp:	208055
Ion Ratio		Lower	Upper
228	100		
226	29.0	24.9	37.3
229	22.0	16.3	24.5

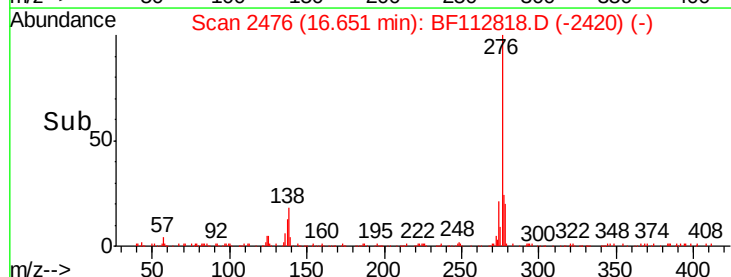
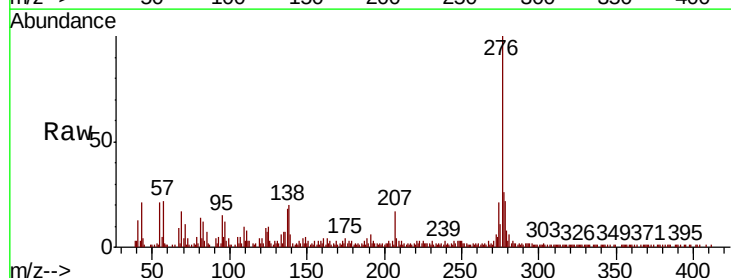
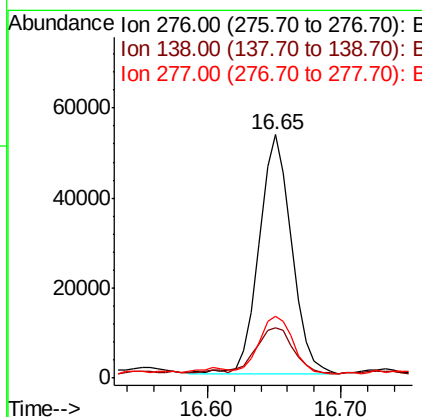
Manual Integrations
APPROVED

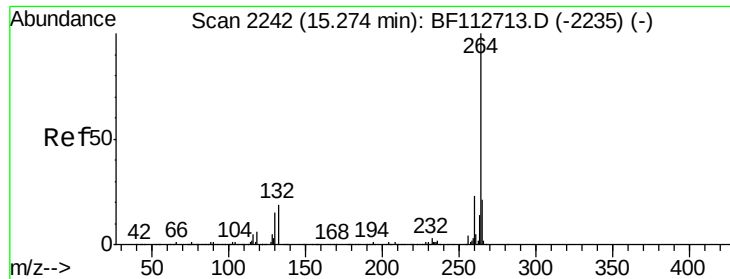
Sohil
3/5/2019 11:00:34 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.517 ng
RT: 16.65 min Scan# 2476
Delta R.T. 0.03 min
Lab File: BF112818.D
Acq: 4 Mar 2019 12:29

Tgt Ion:	276	Resp:	90360
Ion Ratio		Lower	Upper
276	100		
138	22.8	23.2	34.8#
277	24.6	19.9	29.9





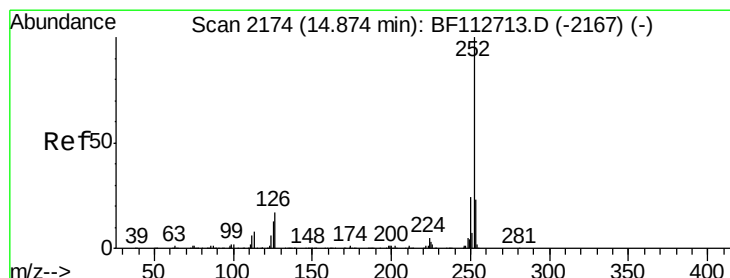
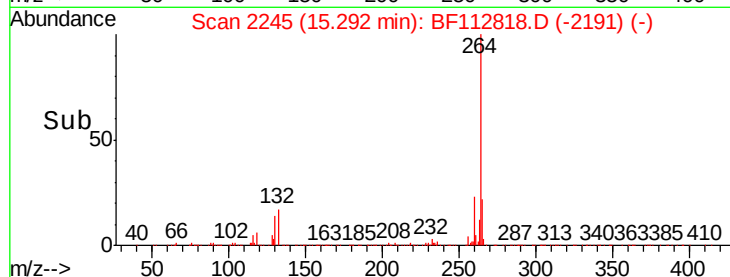
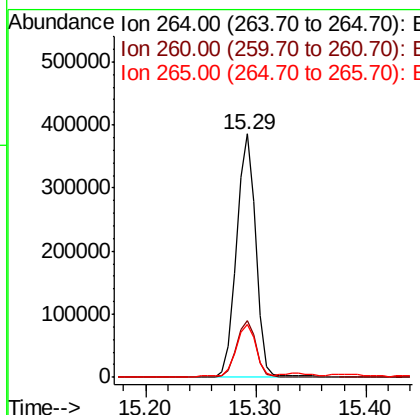
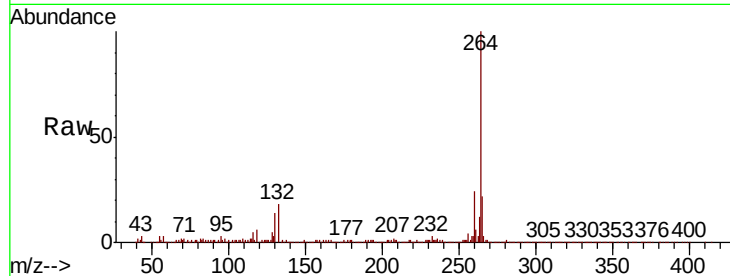
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.02 min
Lab File: BF112818.D
Acq: 4 Mar 2019 12:29

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.8	17.2	25.8

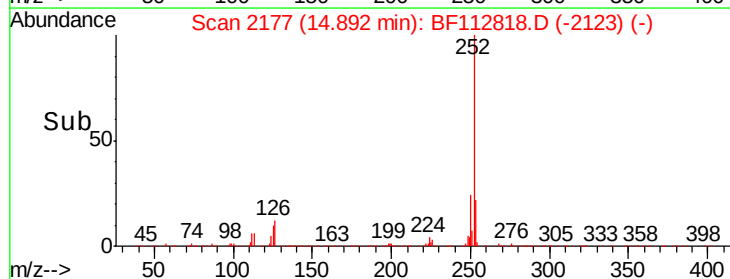
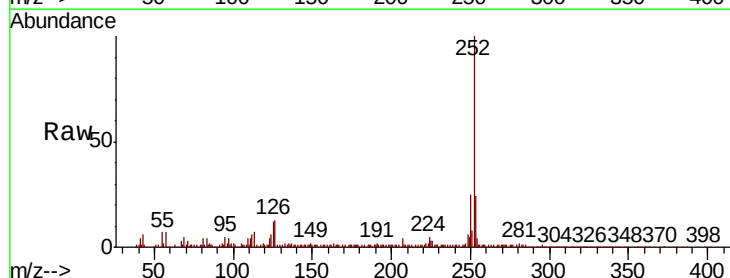
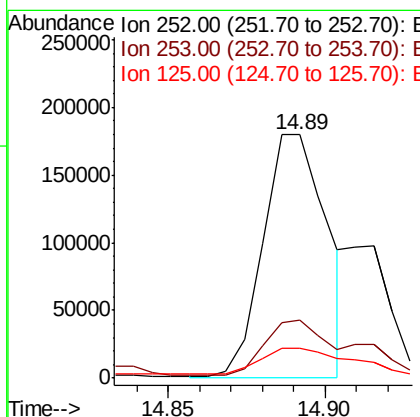
Manual Integrations
APPROVED

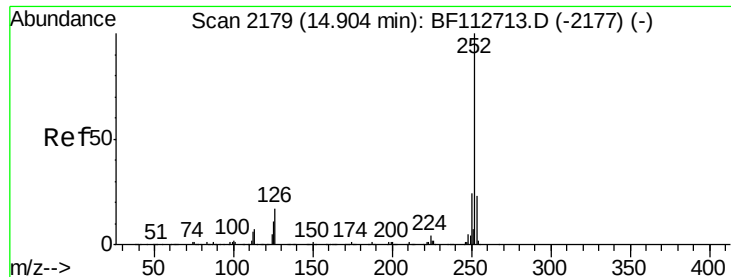
Sohil
3/5/2019 11:00:34 AM



#88
Benzo(b)fluoranthene
Concen: 8.354 ng m
RT: 14.89 min Scan# 2177
Delta R.T. 0.02 min
Lab File: BF112818.D
Acq: 4 Mar 2019 12:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	12.0	10.2	15.2





#89

Benzo(k)fluoranthene

Concen: 3.343 ng

RT: 14.92 min Scan# 2181

Delta R.T. 0.01 min

Lab File: BF112818.D

Acq: 4 Mar 2019 12:29

Instrument :

BNA_F

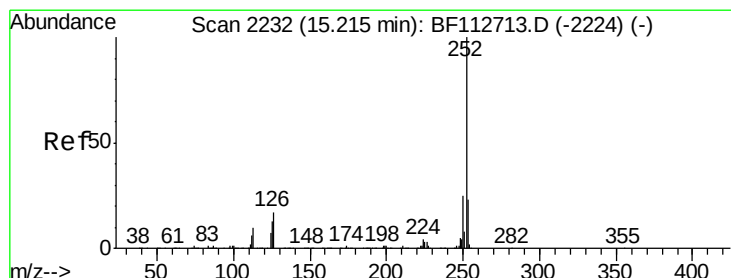
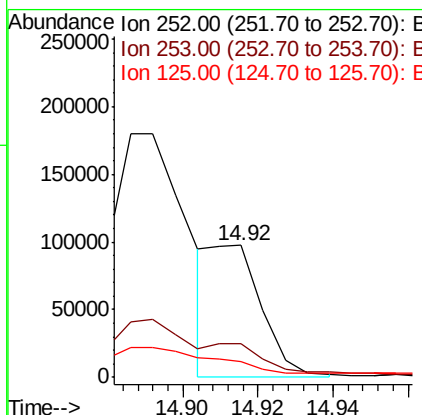
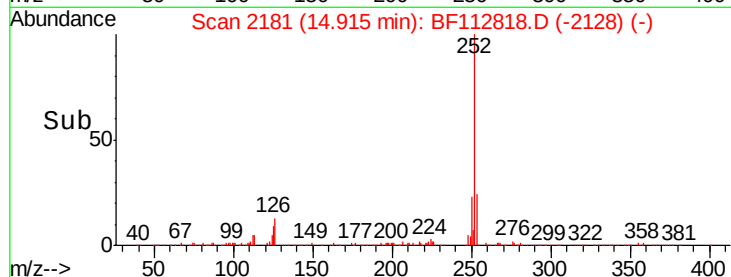
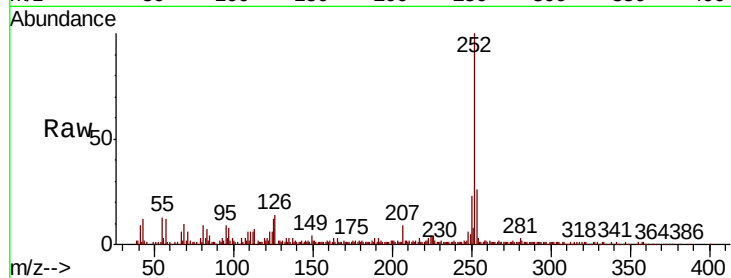
ClientSampleId :

FK-GF-02-032-A

Tot Ion:	252	Resp:	92415
Ion Ratio	Lower	Upper	
252	100		
253	25.9	18.2	27.2
125	11.6	9.8	14.6

Manual Integrations
APPROVED

Sohil
3/5/2019 11:00:34 AM



#90

Benzo(a)pyrene

Concen: 6.188 ng

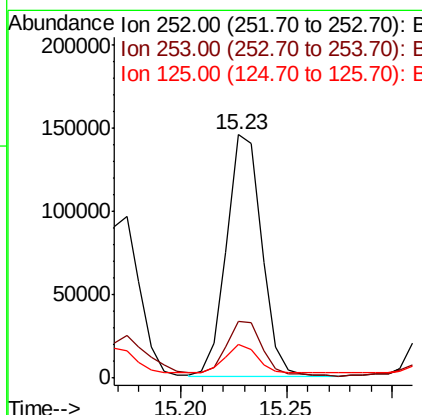
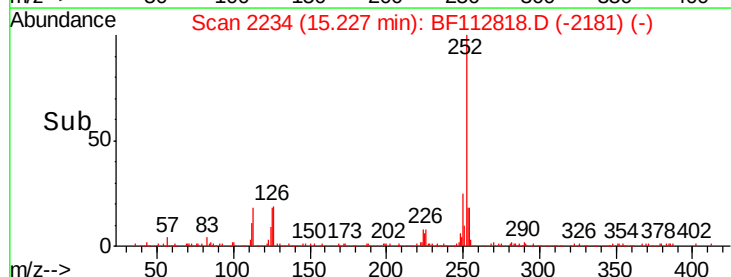
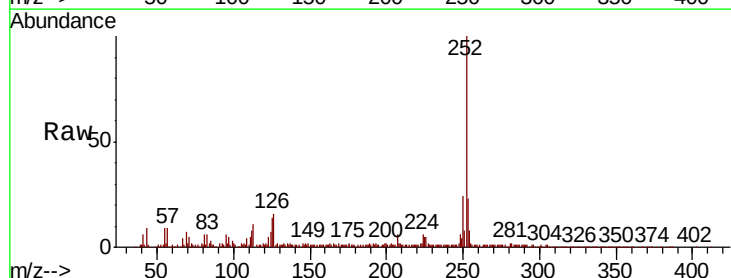
RT: 15.23 min Scan# 2234

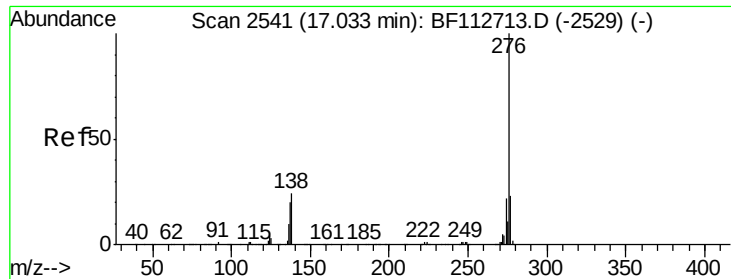
Delta R.T. 0.01 min

Lab File: BF112818.D

Acq: 4 Mar 2019 12:29

Tgt Ion:	252	Resp:	167029
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.0	27.0
125	13.8	10.7	16.1





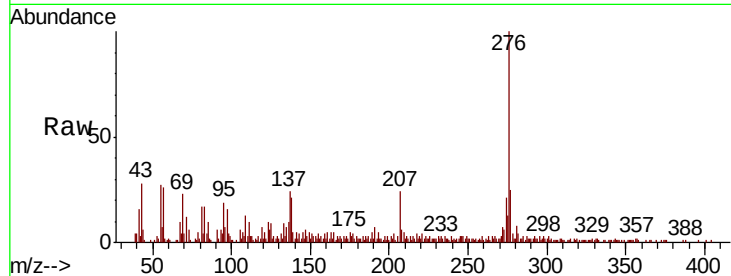
#92
 Benzo(a,h,i)perylene
 Concen: 3.097 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. 0.03 min
 Lab File: BF112818.D
 Acq: 4 Mar 2019 12:29

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-032-A

Tot Ion:	276	Resp:	71635
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.6	27.8
138	21.4	19.4	29.0

Manual Integrations
 APPROVED

Sohil
 3/5/2019 11:00:34 AM



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

