

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032819\
 Data File : BF113388.D
 Acq On : 28 Mar 2019 21:58
 Operator : JU/SJ
 Sample : K2130-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-034-A

Manual Integrations
 APPROVED

Sohil
 3/29/2019 4:47:23 PM

Quant Time: Mar 29 04:31:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	188393	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	725468	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	349306	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	635249	20.00	ng	0.00
76) Chrysene-d12	13.84	240	450510	20.00	ng	0.00
87) Perylene-d12	15.24	264	467847	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	924536	80.24	ng	0.00
7) Phenol-d6	6.35	99	1195000	81.99	ng	0.00
23) Nitrobenzene-d5	7.26	82	729174	59.66	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	329512	76.37	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1347114	54.02	ng	0.00
79) Terphenyl-d14	12.79	244	1134747	55.52	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.45	163	132959	5.136	ng	Qvalue 100
71) Phenanthrene	11.23	178	65396	2.073	ng	98
75) Fluoranthene	12.42	202	201751	5.657	ng	98
78) Pyrene	12.65	202	182971	5.861	ng	98
81) Benzo(a)anthracene	13.83	228	113224	4.391	ng	98
83) Chrysene	13.86	228	93486	3.569	ng	98
88) Benzo(b)fluoranthene	14.84	252	113236m	3.896	ng	
90) Benzo(a)pyrene	15.19	252	74134	2.877	ng	# 92

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

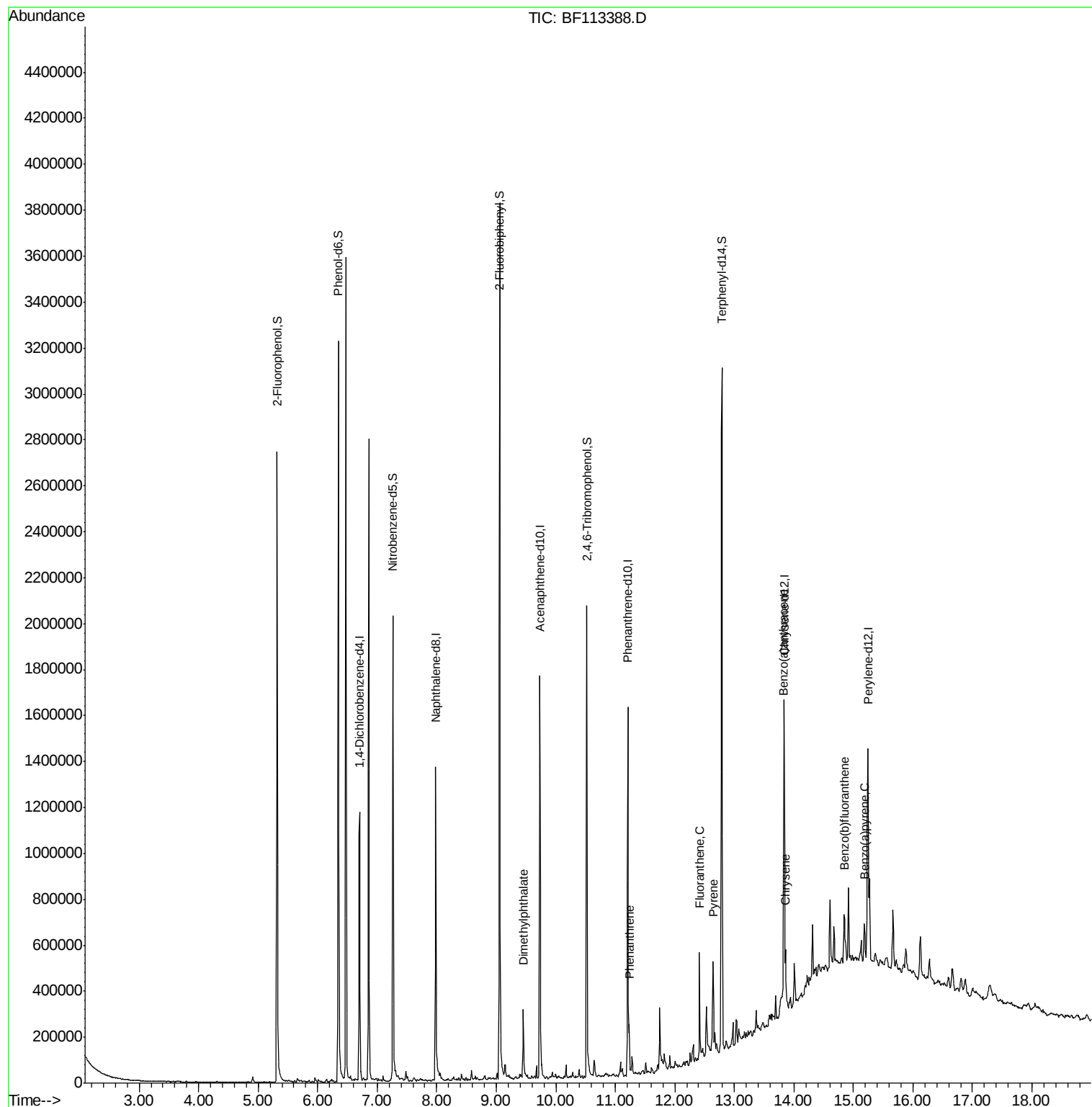
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032819\
Data File : BF113388.D
Acq On : 28 Mar 2019 21:58
Operator : JU/SJ
Sample : K2130-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-A

Manual Integrations
APPROVED

Sohil
3/29/2019 4:47:23 PM

Quant Time: Mar 29 04:31:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 03:32:08 2019
Response via : Initial Calibration





#1

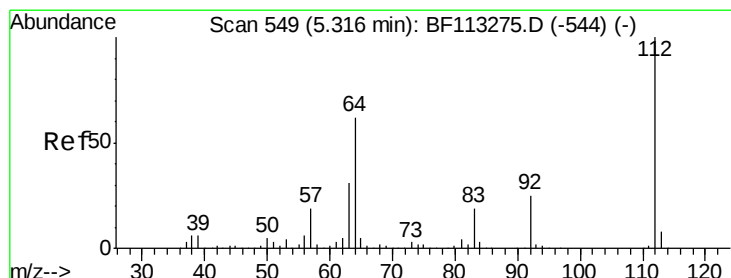
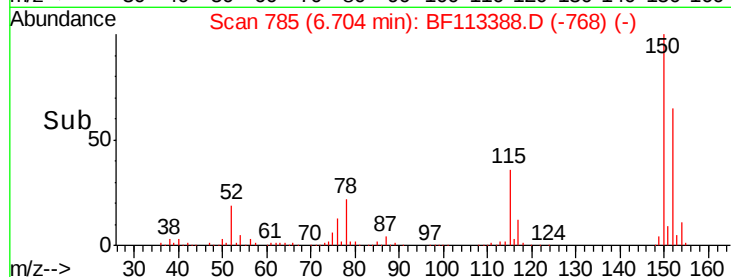
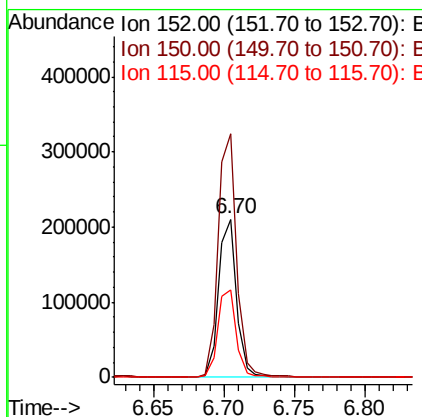
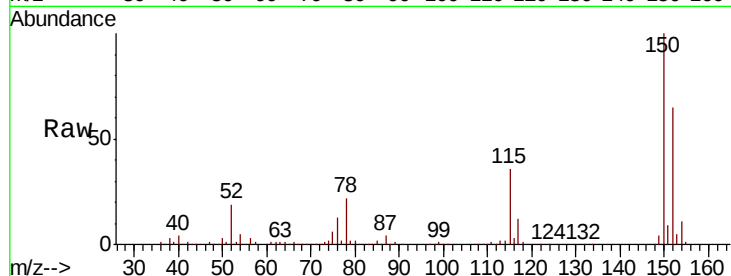
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.7	187.1
115	55.5	46.0	69.0

Manual Integrations
APPROVED

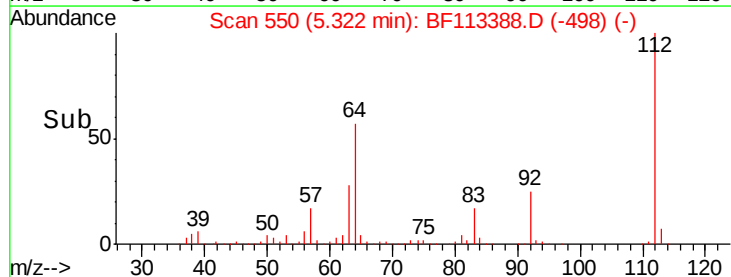
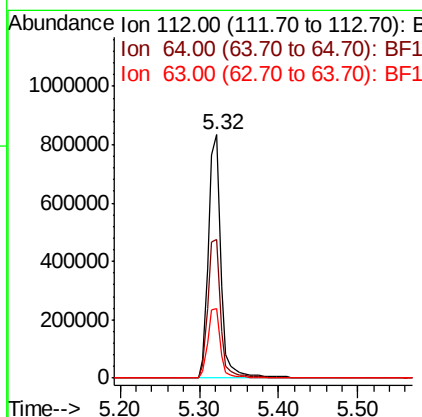
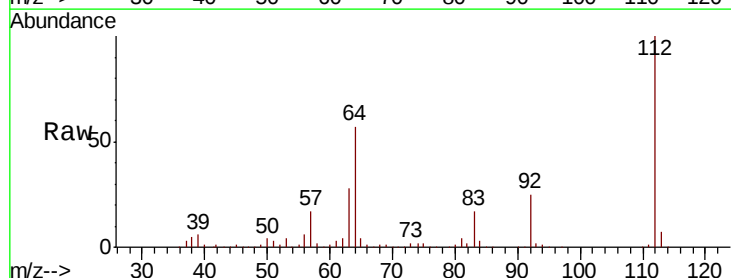
Sohil
3/29/2019 4:47:23 PM



#5

2-Fluorophenol
Concen: 80.243 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	49.2	73.8
63	28.3	24.9	37.3





#7

Phenol-d6

Concen: 81.987 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113388.D

Acq: 28 Mar 2019 21:58

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-034-A

Tot Ion: 99 Resp: 1195000

Ion Ratio Lower Upper

99 100

42 17.7 14.8 22.2

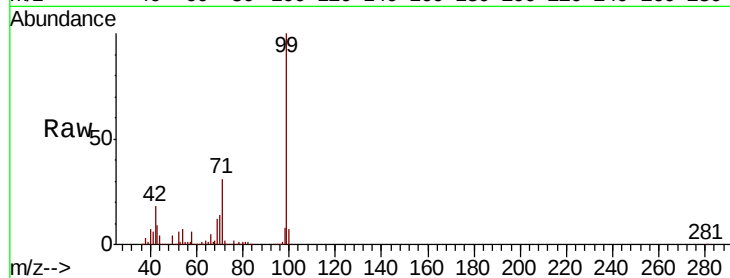
71 31.1 24.9 37.3

Manual Integrations

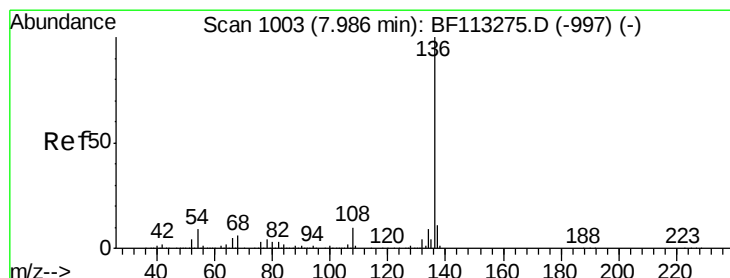
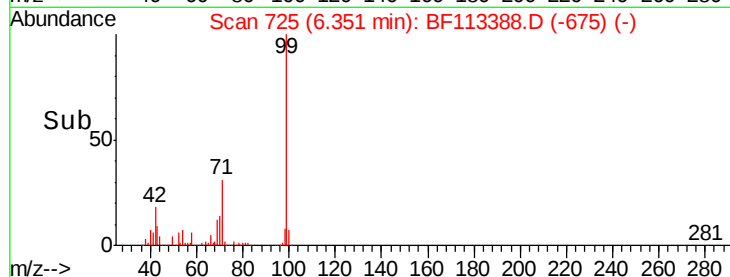
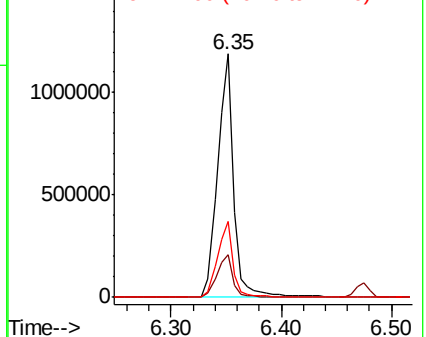
APPROVED

Sohil

3/29/2019 4:47:23 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF113388.D

Acq: 28 Mar 2019 21:58

Tgt Ion: 136 Resp: 725468

Ion Ratio Lower Upper

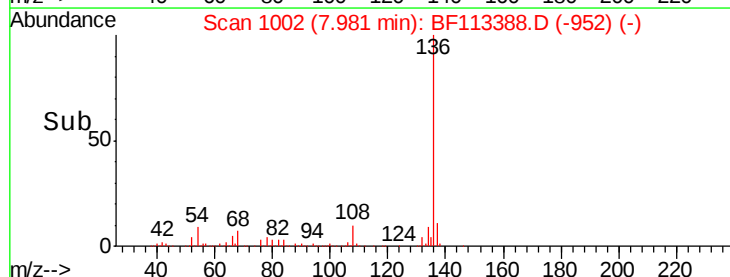
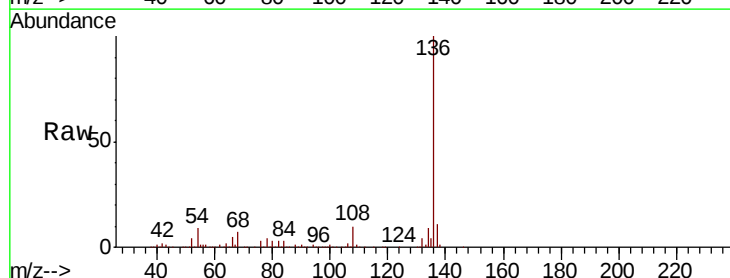
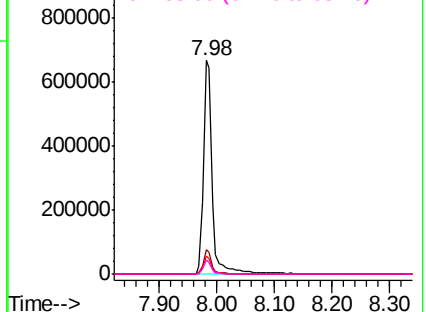
136 100

137 11.3 8.9 13.3

54 8.7 7.0 10.6

68 6.5 4.8 7.2

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





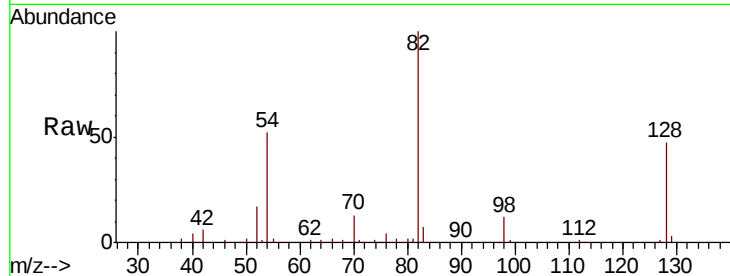
#23
Nitrobenzene-d5
Concen: 59.657 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.00 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-A

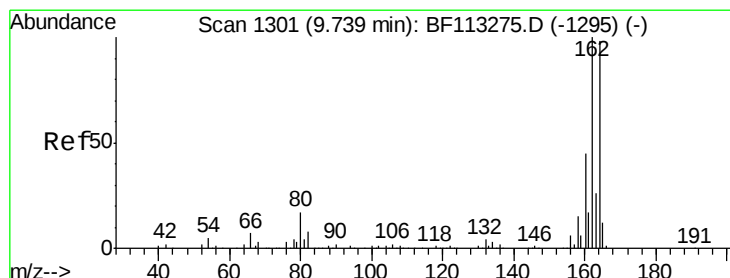
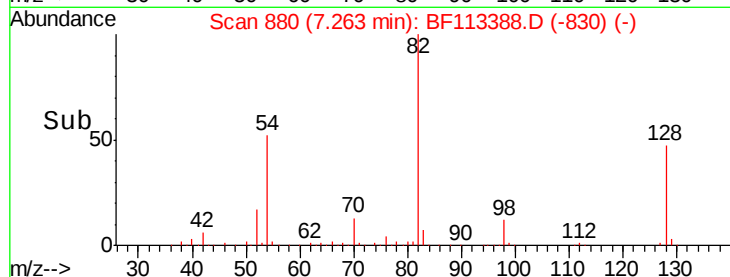
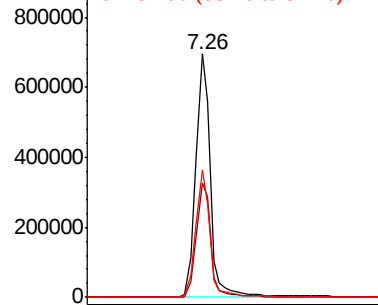
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.5	54.7
54	52.4	42.2	63.2

Manual Integrations
APPROVED

Sohil
3/29/2019 4:47:23 PM

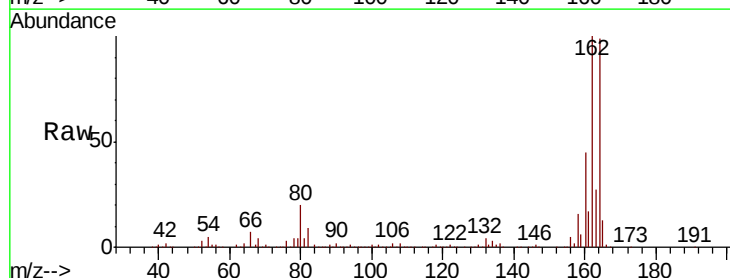


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

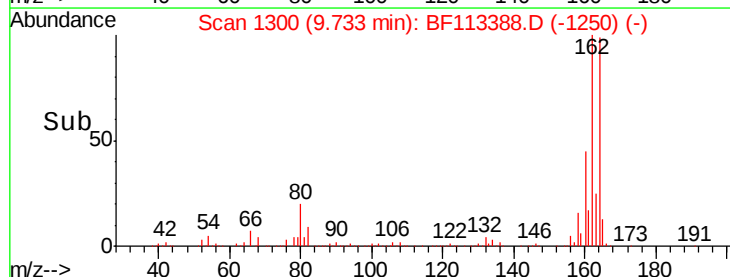
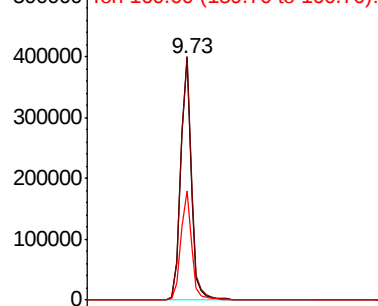


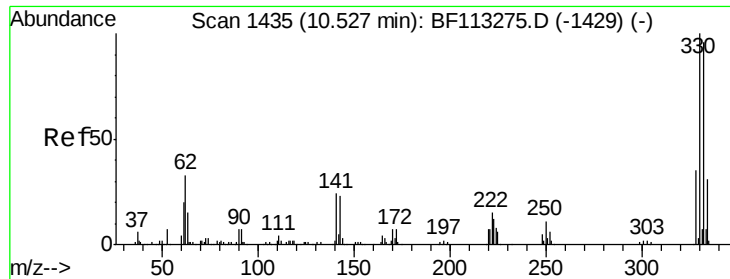
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.8	122.6
160	45.1	36.4	54.6



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





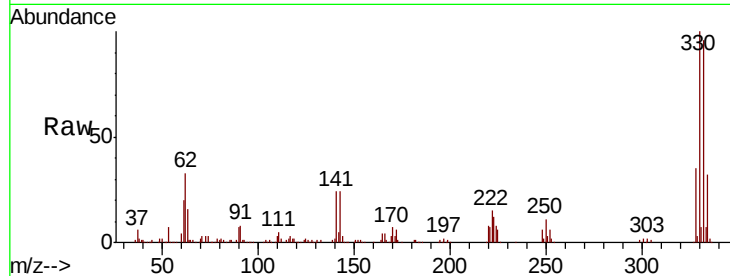
#42
 2,4,6-Tribromophenol
 Concen: 76.369 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113388.D
 Acq: 28 Mar 2019 21:58

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-034-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	329512		
332	97.2		77.8	116.6
141	27.9		22.7	34.1

Manual Integrations
 APPROVED

Sohil
 3/29/2019 4:47:23 PM

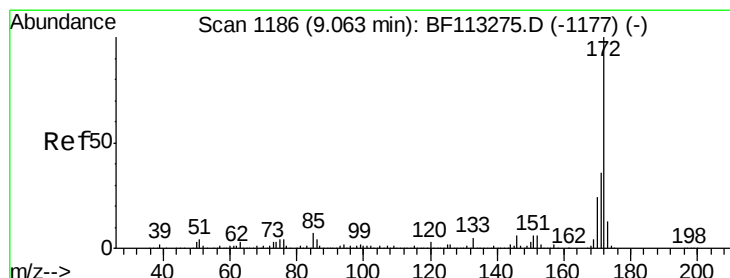
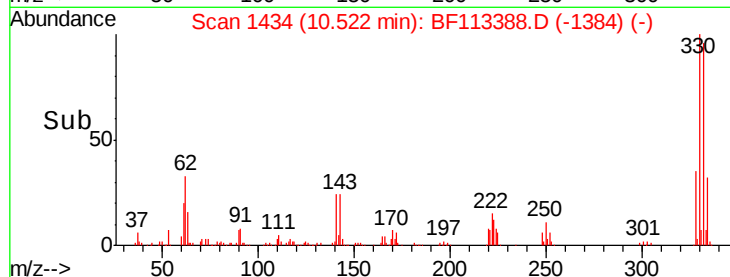
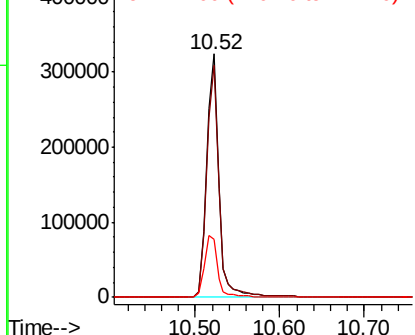


Abundance

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: 54.017 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: BF113388.D
 Acq: 28 Mar 2019 21:58

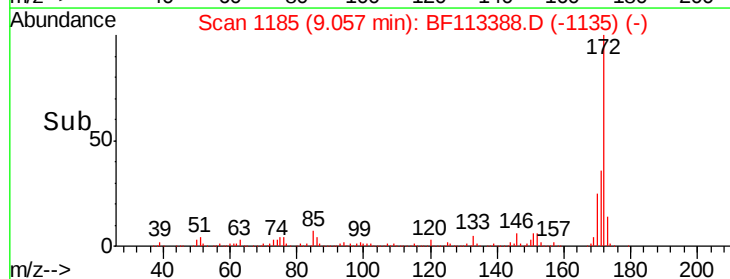
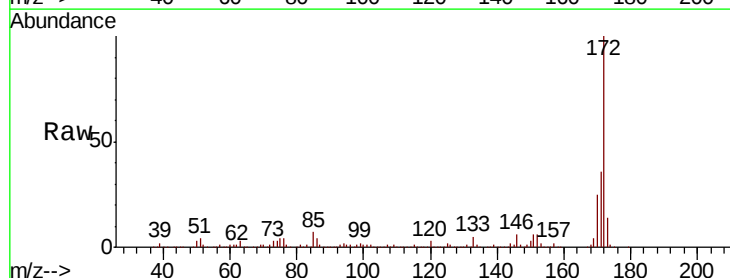
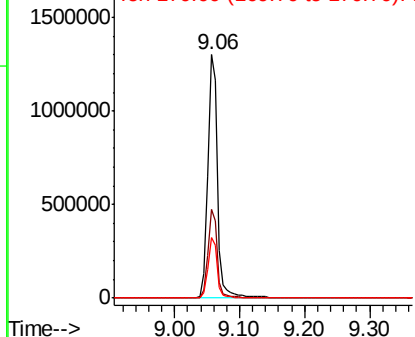
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1347114		
171	36.5		29.0	43.6
170	24.7		19.5	29.3

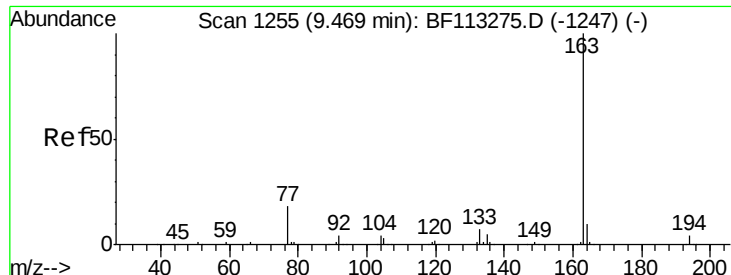
Abundance

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





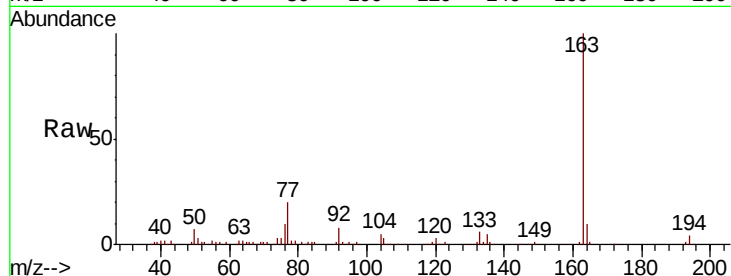
#50
Dimethylphthalate
Concen: 5.136 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-A

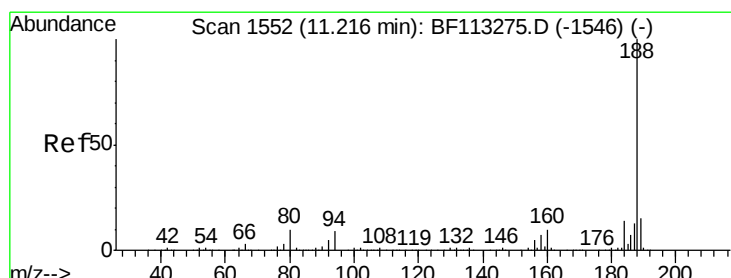
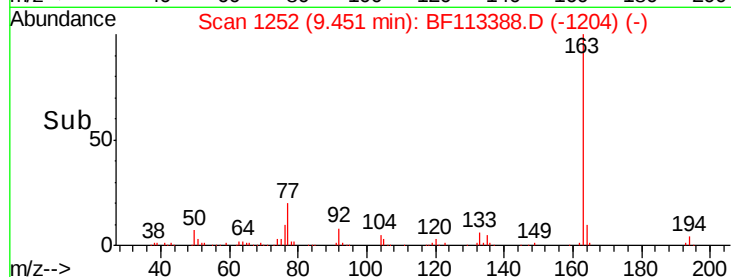
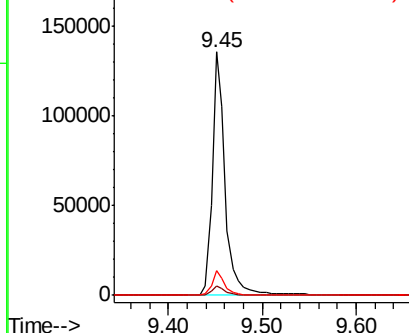
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	3.6		3.0	4.6	
164	9.9		8.1	12.1	

Manual Integrations
APPROVED

Sohil
3/29/2019 4:47:23 PM

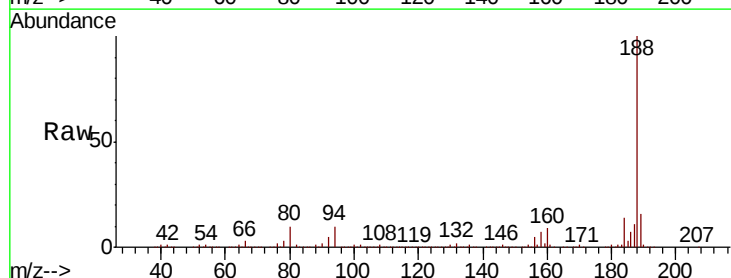


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

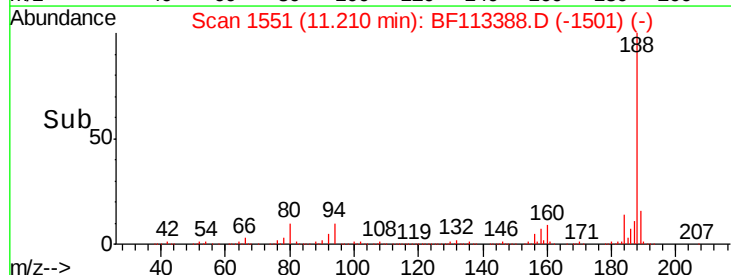
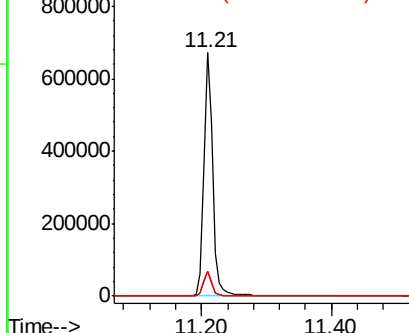


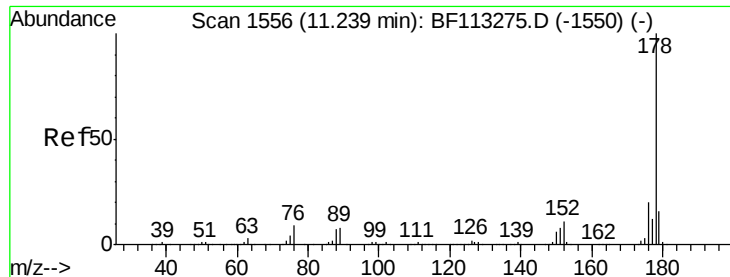
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	10.2		7.0	10.6	
80	10.4		7.7	11.5	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 2.073 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113388.D

Acq: 28 Mar 2019 21:58

Instrument :

BNA_F

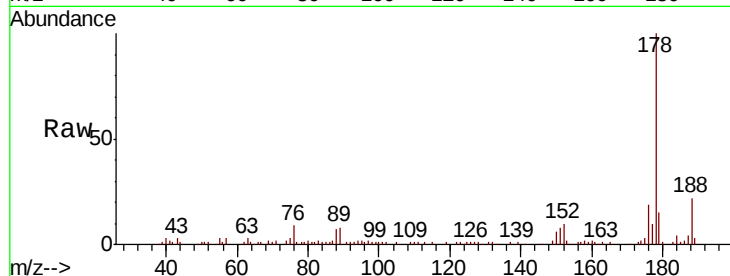
ClientSampleId :

FK-GF-02-034-A

Tot Ion:	178	Resp:	65396
Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.2
179	15.3	12.7	19.1

Manual Integrations
APPROVED

Sohil
3/29/2019 4:47:23 PM

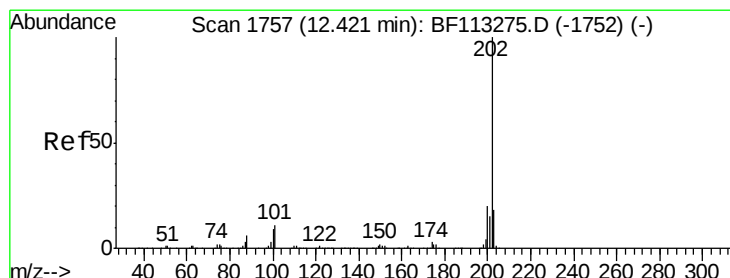
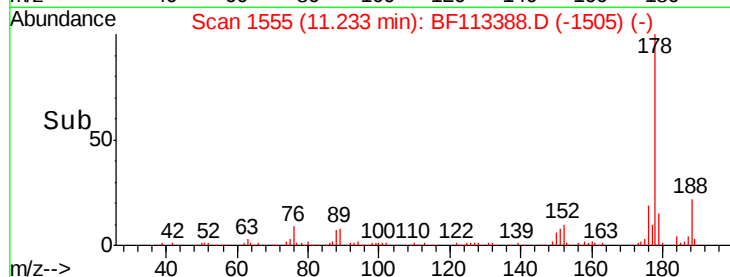
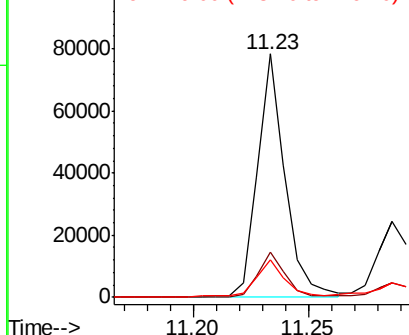


Abundance

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: 5.657 ng

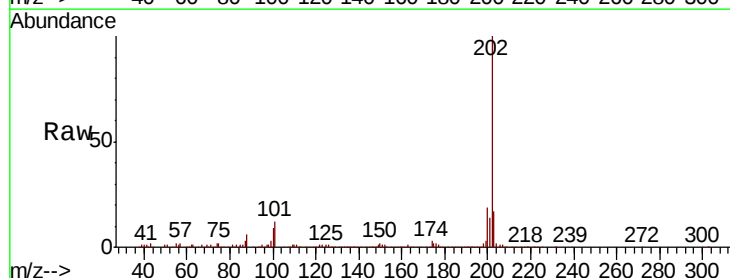
RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF113388.D

Acq: 28 Mar 2019 21:58

Tgt Ion:	202	Resp:	201751
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.4
203	16.8	0.0	38.0

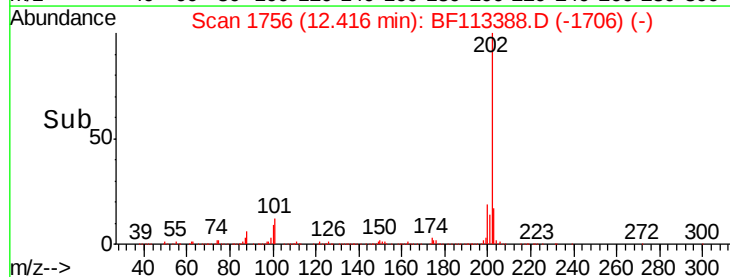
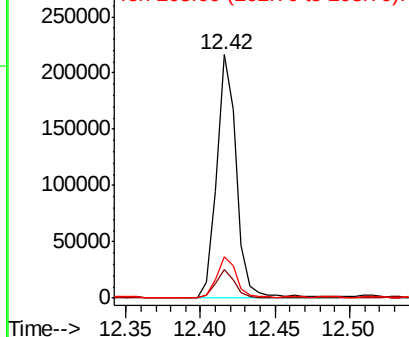


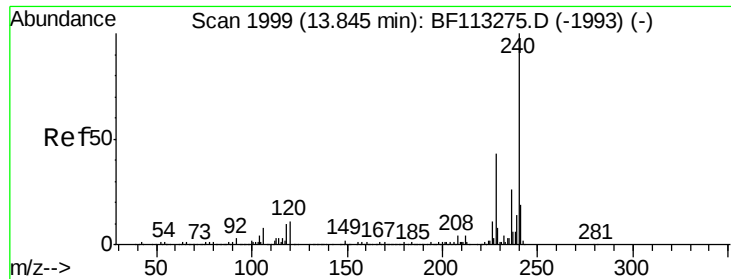
Abundance

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





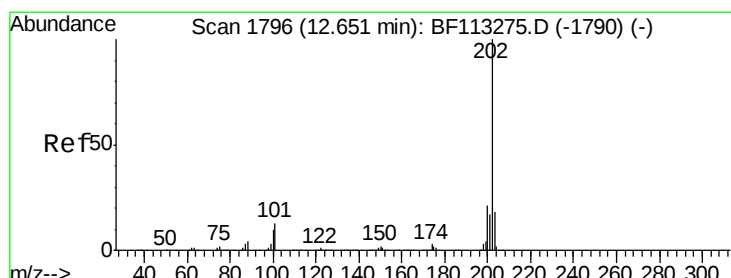
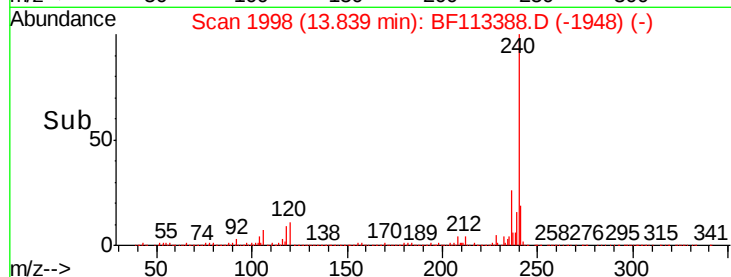
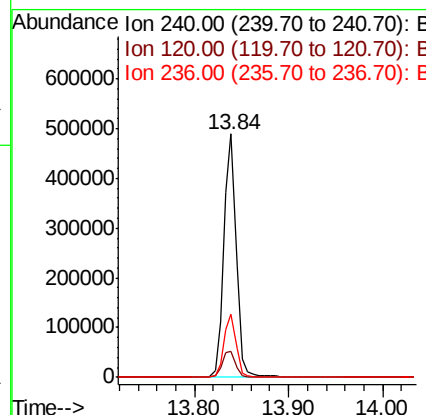
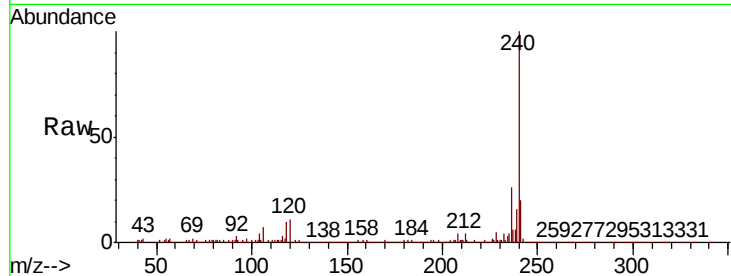
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-A

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	10.7	8.8	13.2	
236	26.1	20.9	31.3	

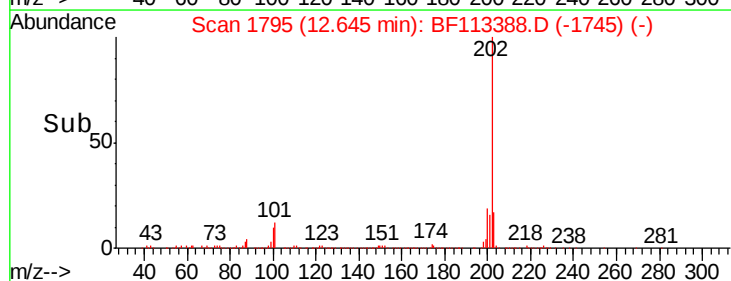
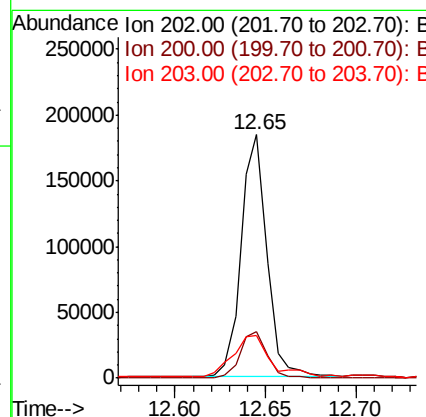
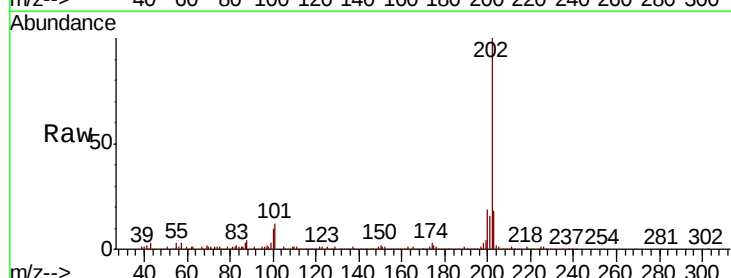
Manual Integrations
APPROVED

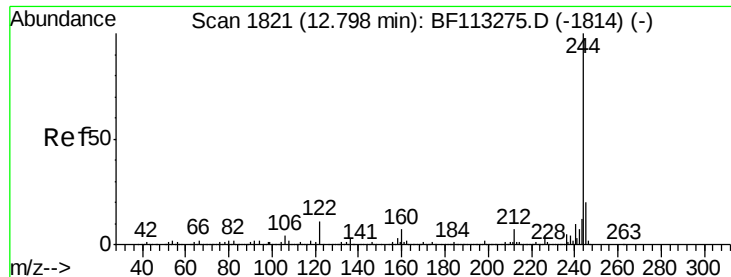
Sohil
3/29/2019 4:47:23 PM



#78
Pyrene
Concen: 5.861 ng
RT: 12.65 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.1	16.8	25.2	
203	17.7	14.4	21.6	





#79

Terphenyl-d14

Concen: 55.519 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BF113388.D

Acq: 28 Mar 2019 21:58

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-034-A

Tot Ion:244 Resp: 1134747

Ion Ratio Lower Upper

244 100

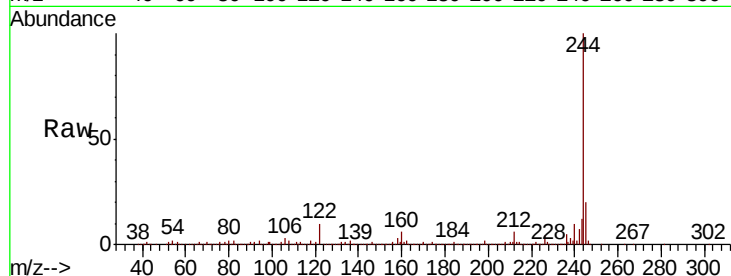
212 6.4 5.5 8.3

122 10.2 8.6 13.0

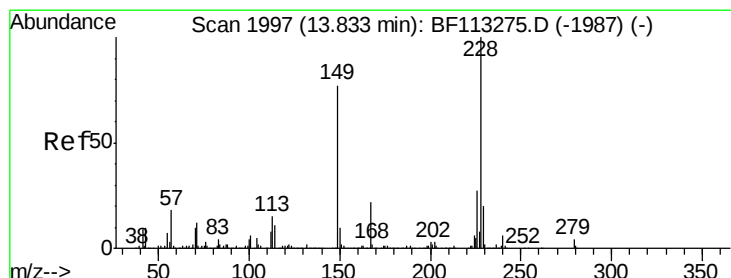
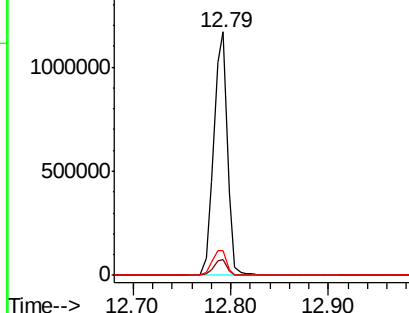
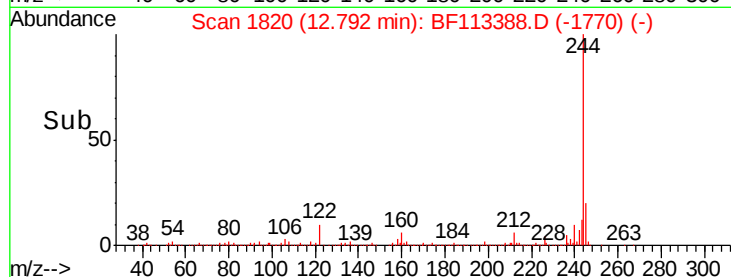
Manual Integrations
APPROVED

Sohil

3/29/2019 4:47:23 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: 4.391 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF113388.D

Acq: 28 Mar 2019 21:58

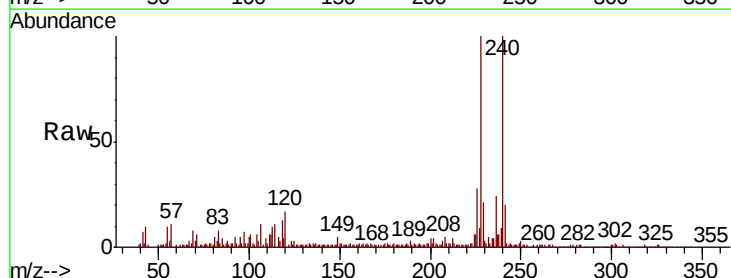
Tgt Ion:228 Resp: 113224

Ion Ratio Lower Upper

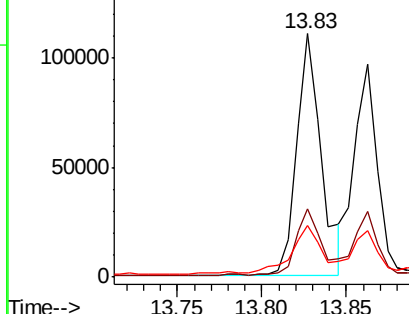
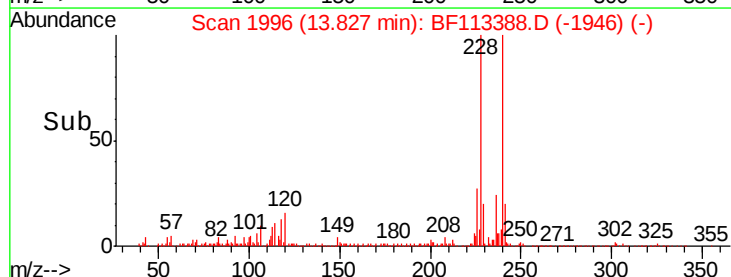
228 100

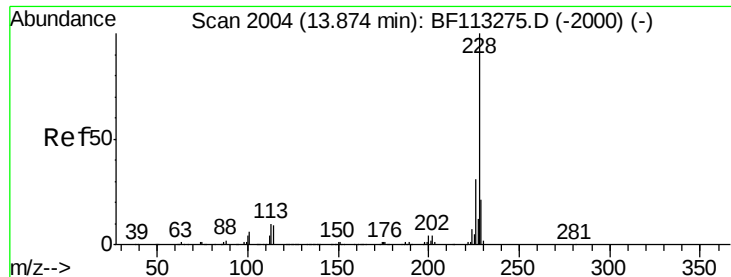
226 28.0 21.8 32.8

229 21.1 16.2 24.4



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





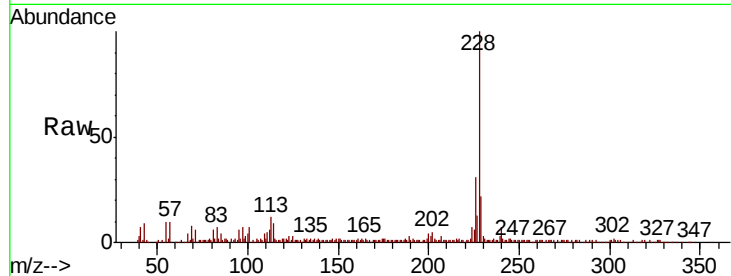
#83
Chrysene
Concen: 3.569 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-A

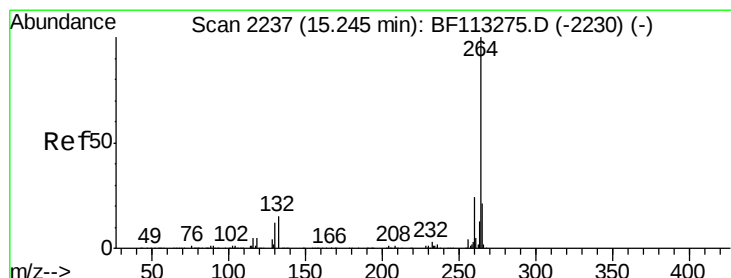
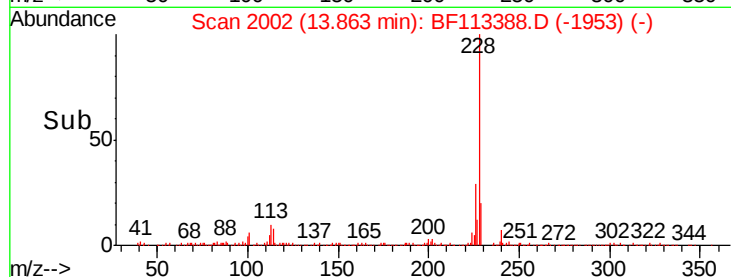
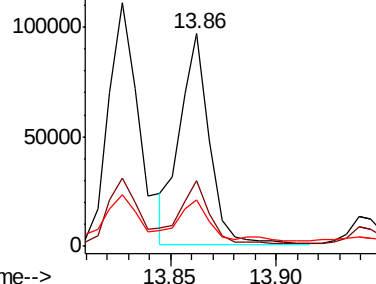
Tot Ion:	228	Resp:	93486
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.3	36.5
229	21.9	16.3	24.5

Manual Integrations
APPROVED

Sohil
3/29/2019 4:47:23 PM

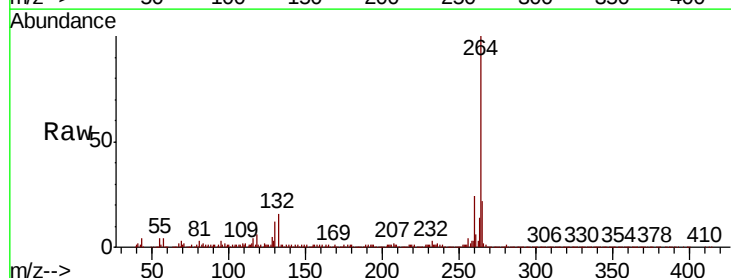


Abundance Ion 228.00 (227.70 to 228.70): E
150000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

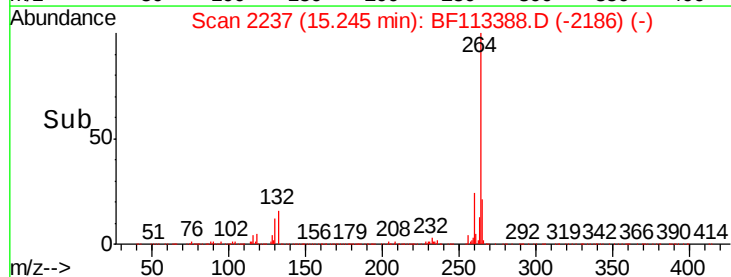
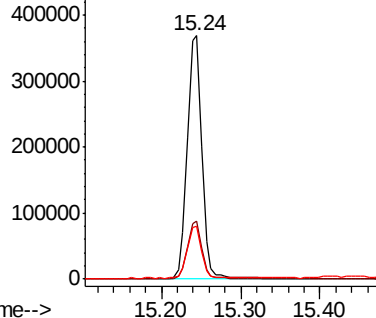


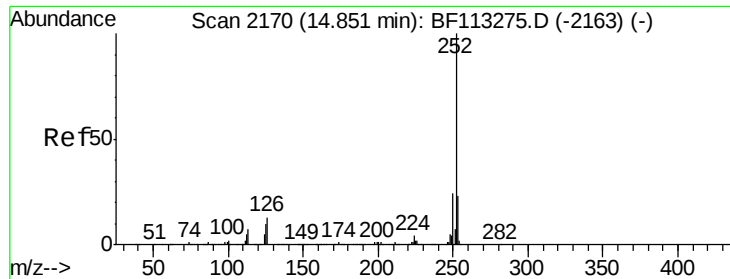
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.00 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Tgt Ion:	264	Resp:	467847
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.1	28.7
265	21.7	17.1	25.7



Abundance Ion 264.00 (263.70 to 264.70): E
500000 Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





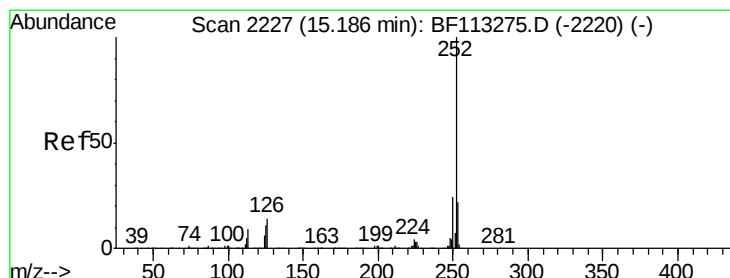
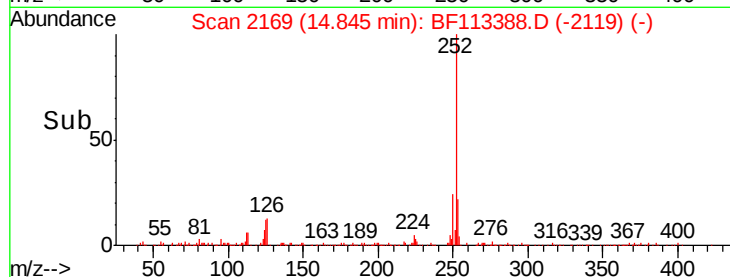
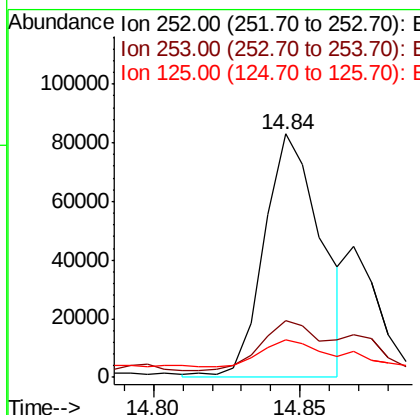
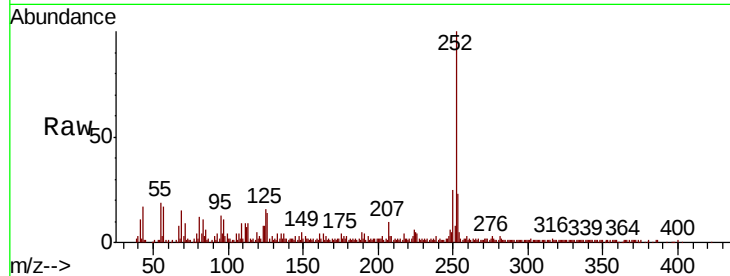
#88
Benzo(b)fluoranthene
Concen: 3.896 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-034-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	15.6	7.6	11.4

Manual Integrations
APPROVED

Sohil
3/29/2019 4:47:23 PM



#90
Benzo(a)pyrene
Concen: 2.877 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF113388.D
Acq: 28 Mar 2019 21:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	15.8	8.8	13.2

