

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
 Data File : BF109847.D
 Acq On : 12 Oct 2018 21:23
 Operator : JU/SJ
 Sample : J5394-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-027-B

Manual Integrations
 APPROVED

Sohil
 10/15/2018 10:28:41 AM

Quant Time: Oct 15 07:02:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	97321	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	395896	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	168600	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	259199	20.00	ng	0.00
75) Chrysene-d12	13.83	240	200156	20.00	ng	0.00
86) Perylene-d12	15.23	264	169508	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	535033	97.58	ng	0.00
7) Phenol-d6	6.35	99	731615	99.89	ng	-0.01
23) Nitrobenzene-d5	7.26	82	472205	65.75	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	150166	81.74	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	779693	63.69	ng	0.00
78) Terphenyl-d14	12.78	244	521615	50.45	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.44	163	98686	7.981	ng	99
70) Phenanthrene	11.22	178	32076	2.473	ng	98
71) Anthracene	11.28	178	27622m	2.060	ng	
74) Fluoranthene	12.40	202	86260	6.366	ng	97
77) Pyrene	12.63	202	78502	5.353	ng	98
80) Benzo(a)anthracene	13.82	228	51793	4.689	ng	97
82) Chrysene	13.86	228	51196	4.413	ng	97
85) Indeno(1,2,3-cd)pyrene	16.59	276	21633	2.605	ng	93
87) Benzo(b)fluoranthene	14.84	252	52351m	5.589	ng	
88) Benzo(k)fluoranthene	14.86	252	27022m	2.871	ng	
89) Benzo(a)pyrene	15.17	252	40885	4.810	ng	# 95
91) Benzo(a,h,i)perylene	16.99	276	17960	2.576	ng	99

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

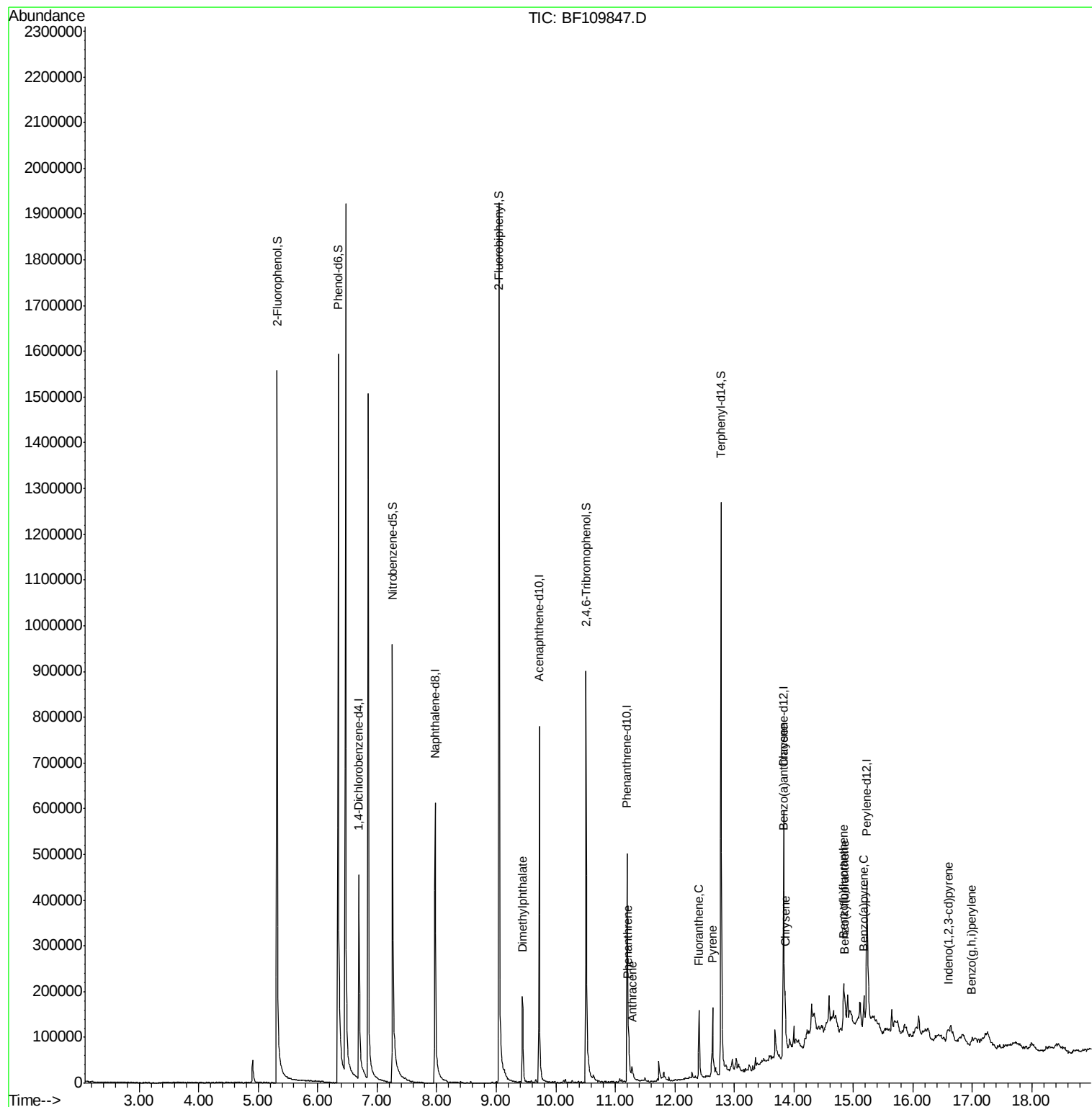
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
Data File : BF109847.D
Acq On : 12 Oct 2018 21:23
Operator : JU/SJ
Sample : J5394-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

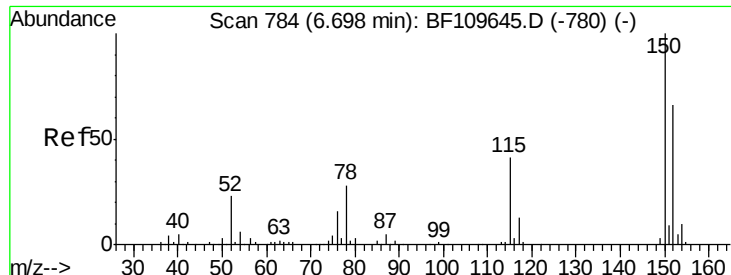
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-027-B

Manual Integrations
APPROVED

Sohil
10/15/2018 10:28:41 AM

Quant Time: Oct 15 07:02:21 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 16:02:11 2018
Response via : Initial Calibration





#1

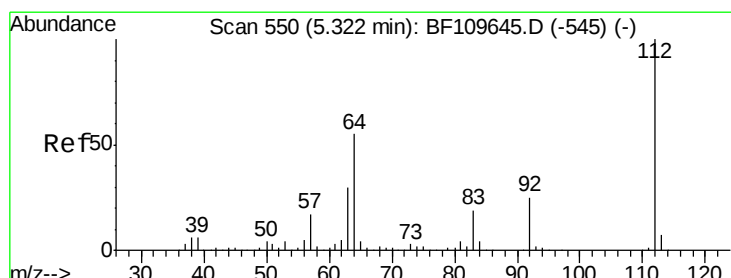
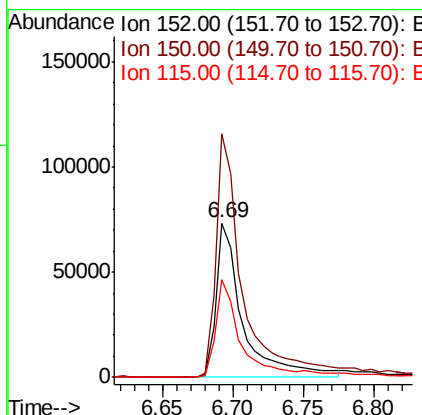
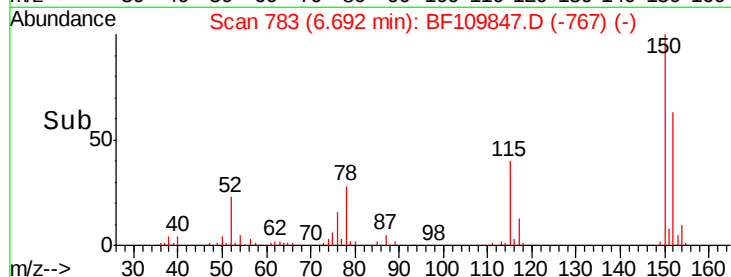
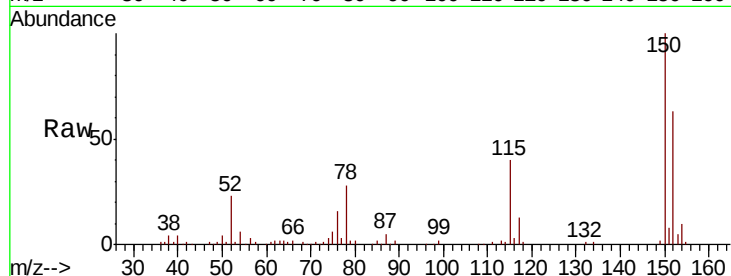
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-027-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	122.7	184.1
115	63.5	49.1	73.7

Manual Integrations
APPROVED

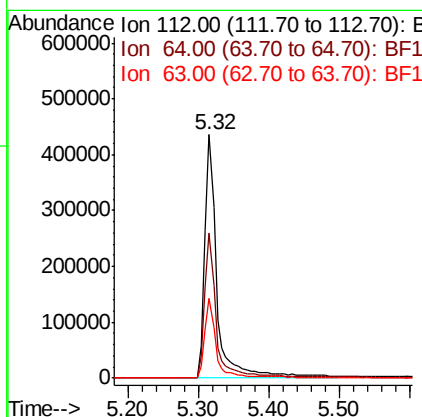
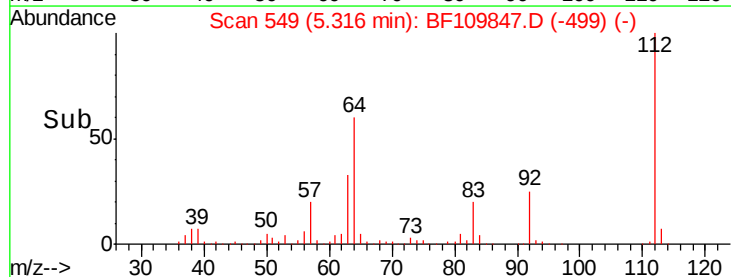
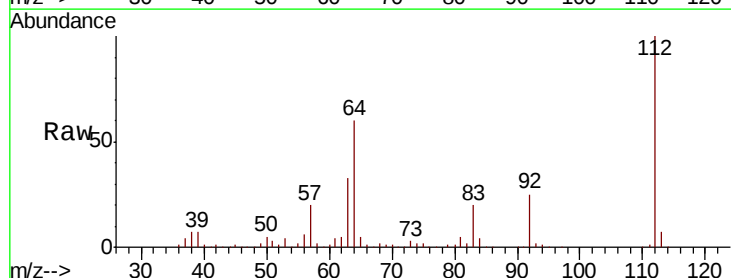
Sohil
10/15/2018 10:28:41 AM

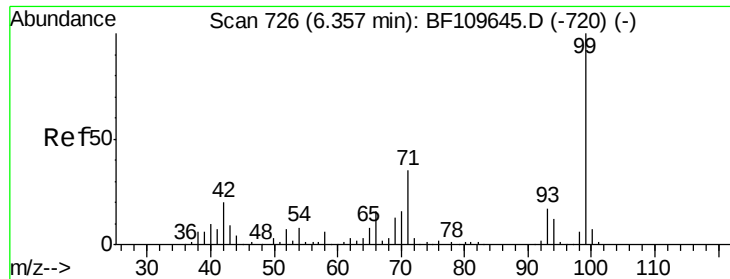


#5

2-Fluorophenol
Concen: 97.584 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	44.1	66.1
63	32.7	23.7	35.5





#7

Phenol-d6

Concen: 99.888 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109847.D

Acq: 12 Oct 2018 21:23

Instrument :

BNA_F

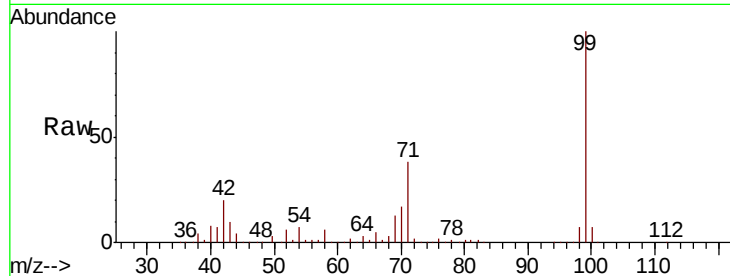
ClientSampleId :

FK-GF-02-027-B

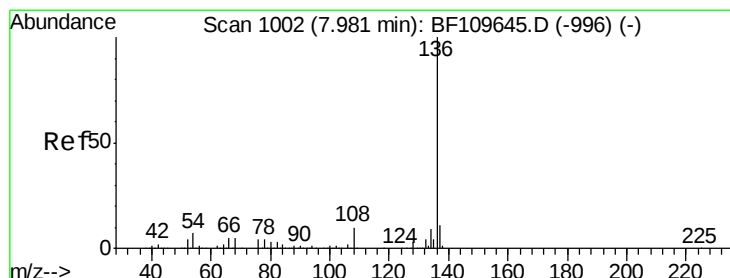
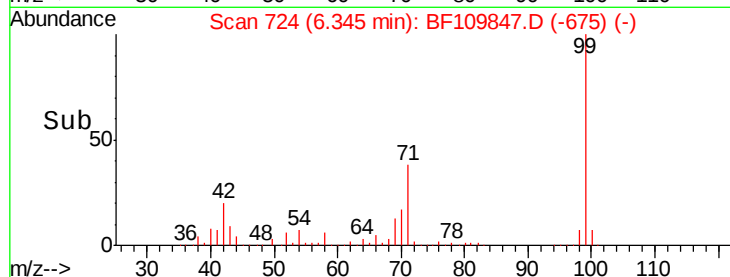
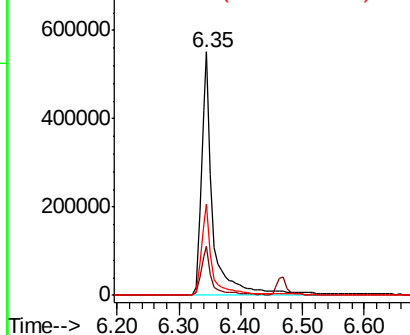
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		731615		
42	20.0	15.8	23.6		
71	37.6	28.0	42.0		

Manual Integrations
APPROVED

Sohil
10/15/2018 10:28:41 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: 7.97 min Scan# 1001

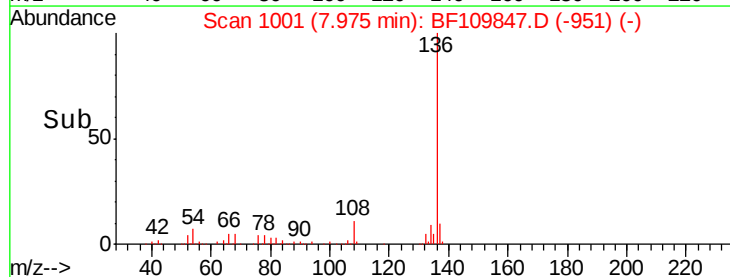
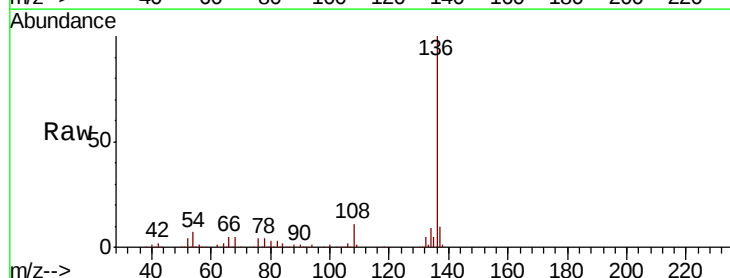
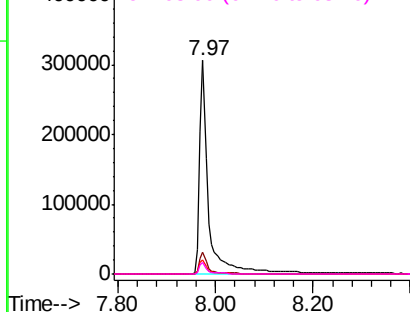
Delta R.T. -0.01 min

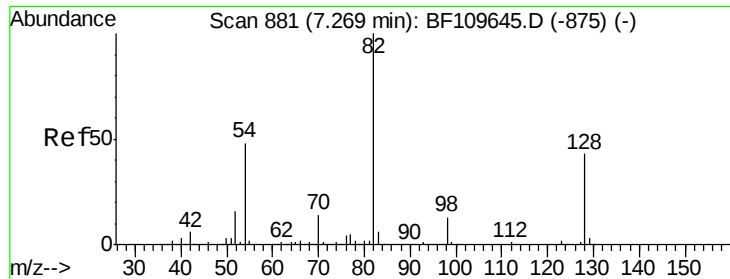
Lab File: BF109847.D

Acq: 12 Oct 2018 21:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		395896		
137	10.3	8.8	13.2		
54	6.7	5.4	8.2		
68	5.3	4.2	6.2		

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





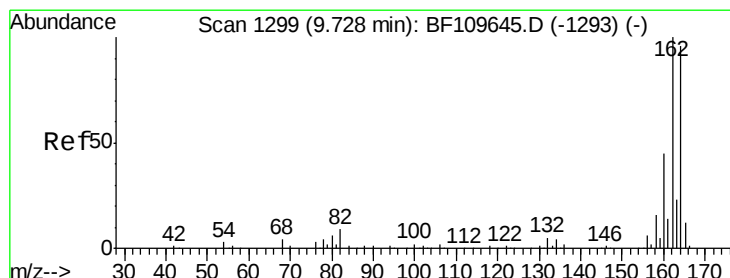
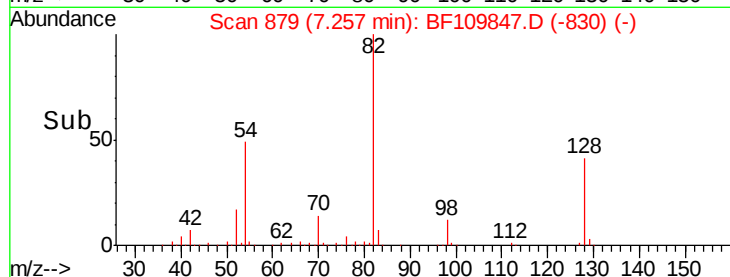
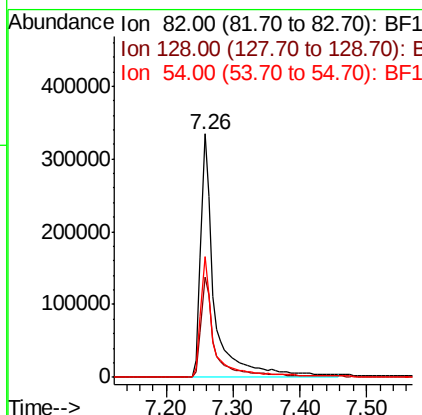
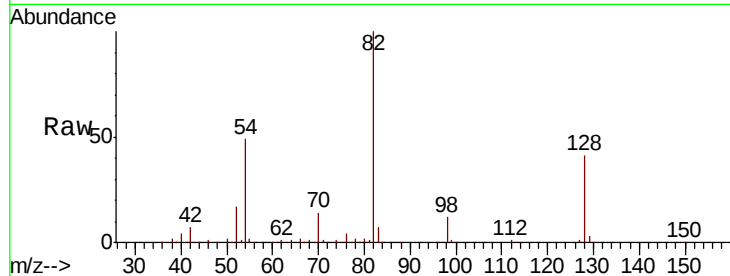
#23
 Nitrobenzene-d5
 Concen: 65.748 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF109847.D
 Acq: 12 Oct 2018 21:23

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-027-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.2	51.2
54	49.4	38.6	58.0

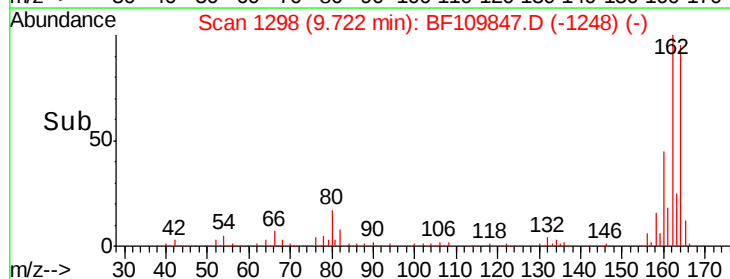
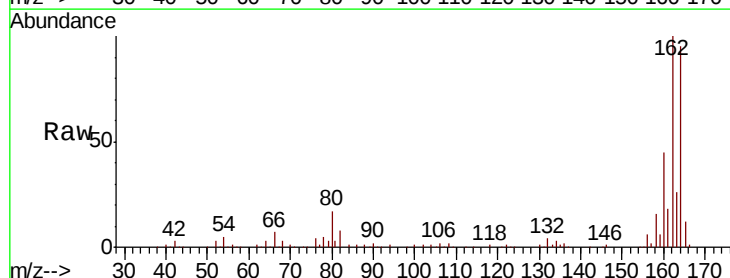
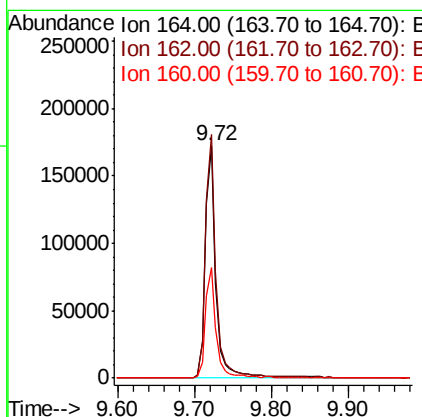
Manual Integrations
 APPROVED

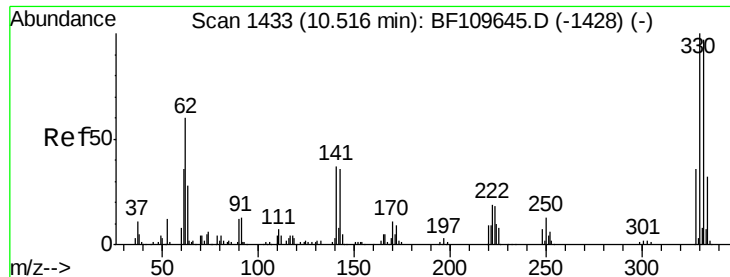
Sohil
 10/15/2018 10:28:41 AM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF109847.D
 Acq: 12 Oct 2018 21:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	83.0	124.6
160	47.6	37.0	55.6





#41

2,4,6-Tribromophenol

Concen: 81.742 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF109847.D

Acq: 12 Oct 2018 21:23

Instrument :

BNA_F

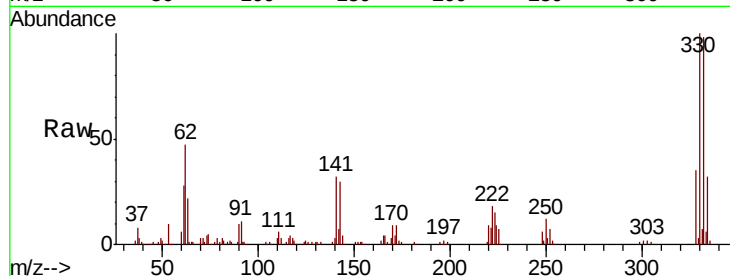
ClientSampleId :

FK-GF-02-027-B

Tot Ion:	330	Resp:	150166
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.1	115.7
141	35.4	27.0	40.4

Manual Integrations
APPROVED

Sohil
10/15/2018 10:28:41 AM

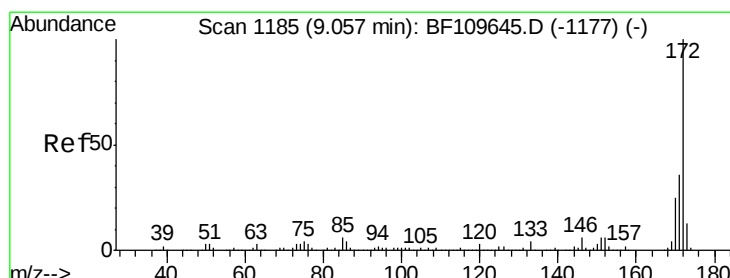
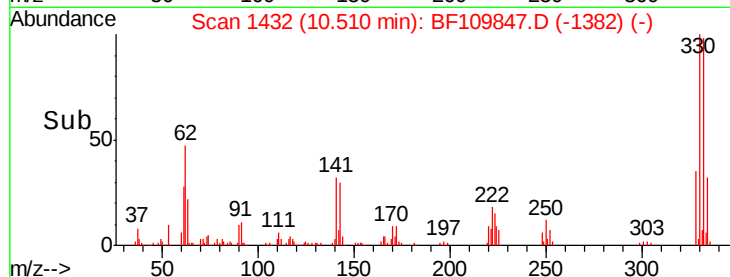
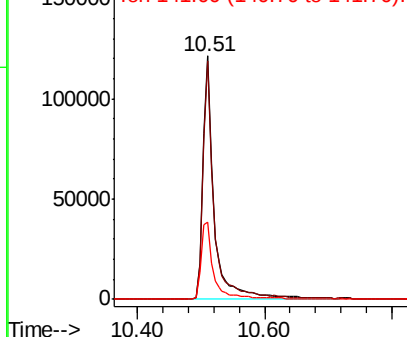


Abundance

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



#44

2-Fluorobiphenyl

Concen: 63.691 ng

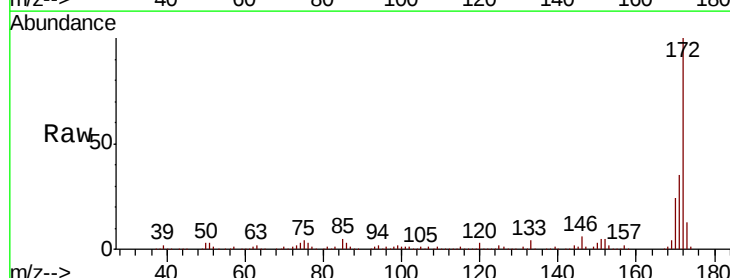
RT: 9.05 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BF109847.D

Acq: 12 Oct 2018 21:23

Tgt Ion:	172	Resp:	779693
Ion Ratio	Lower	Upper	
172	100		
171	35.4	28.6	43.0
170	23.6	19.7	29.5

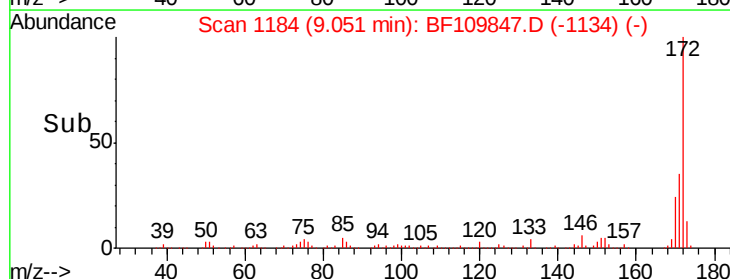
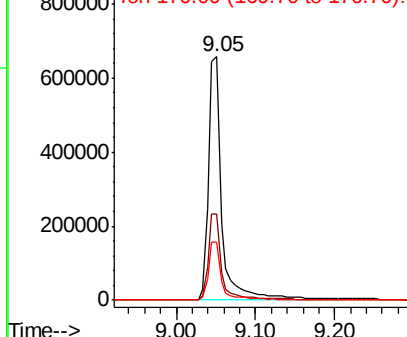


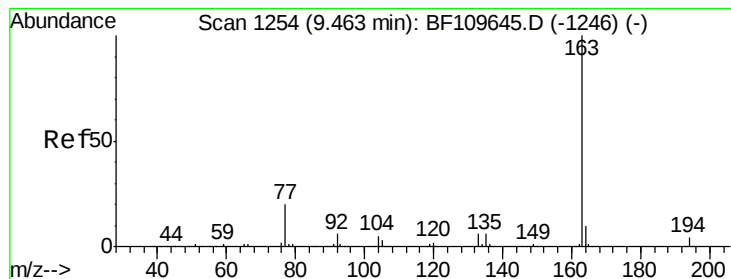
Abundance

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





#49

Dimethylphthalate

Concen: 7.981 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.02 min

Lab File: BF109847.D

Acq: 12 Oct 2018 21:23

Instrument :

BNA_F

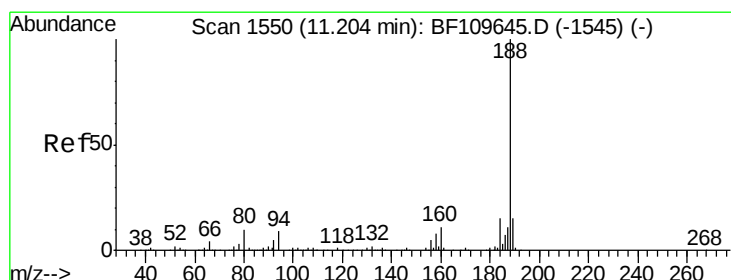
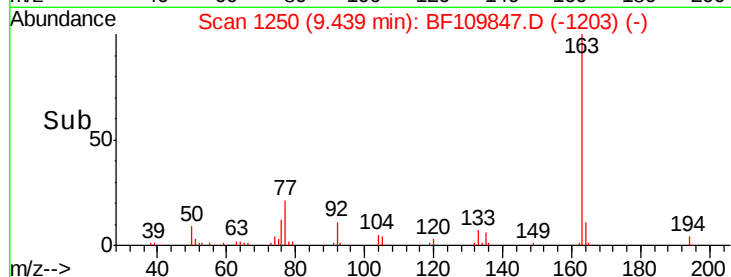
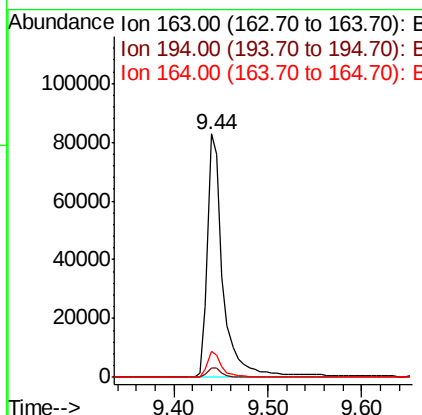
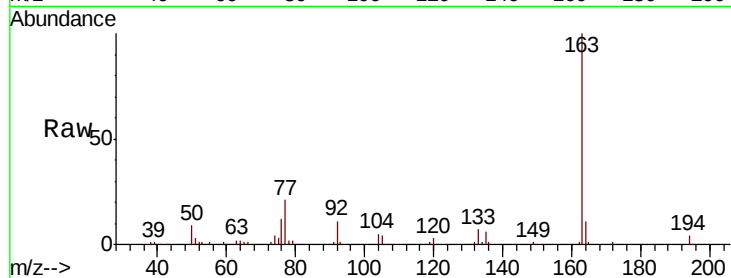
ClientSampleId :

FK-GF-02-027-B

Tot Ion:	163	Resp:	98686
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.2	4.8
164	10.7	8.1	12.1

Manual Integrations
APPROVED

Sohil
10/15/2018 10:28:41 AM



#63

Phenanthrene-d10

Concen: 20.000 ng

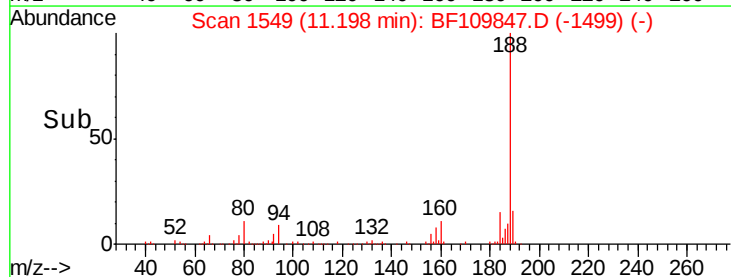
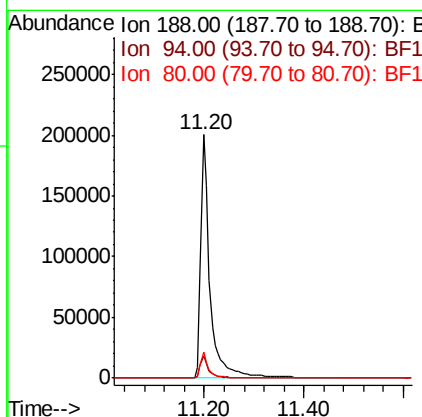
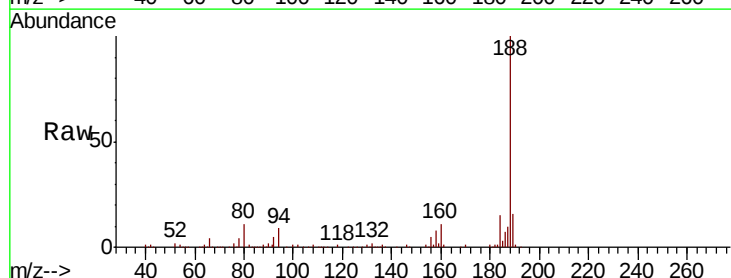
RT: 11.20 min Scan# 1549

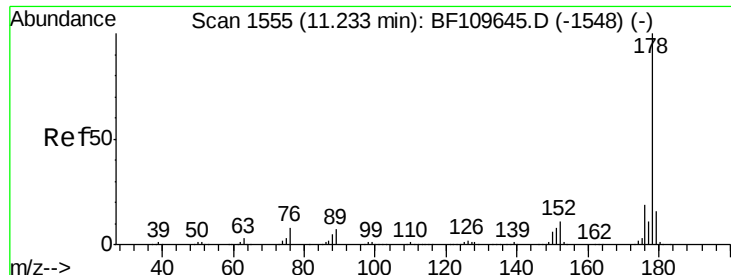
Delta R.T. -0.01 min

Lab File: BF109847.D

Acq: 12 Oct 2018 21:23

Tgt Ion:	188	Resp:	259199
Ion Ratio	Lower	Upper	
188	100		
94	9.1	7.2	10.8
80	10.6	7.9	11.9





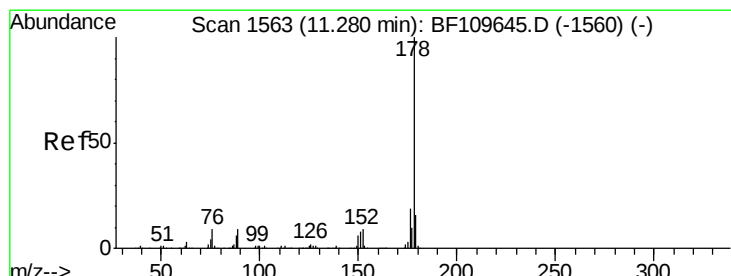
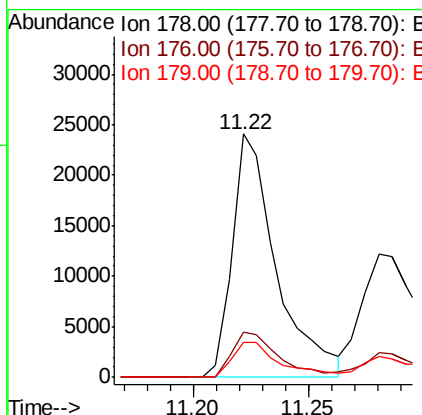
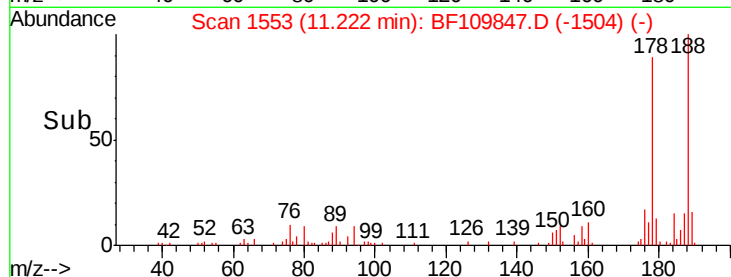
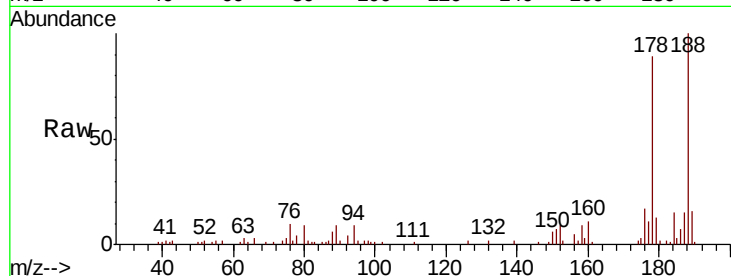
#70
Phenanthrene
Concen: 2.473 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-027-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	14.3	12.5	18.7

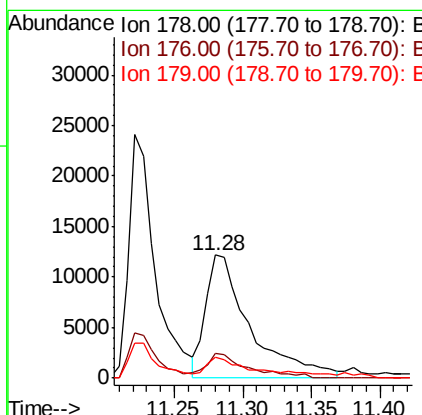
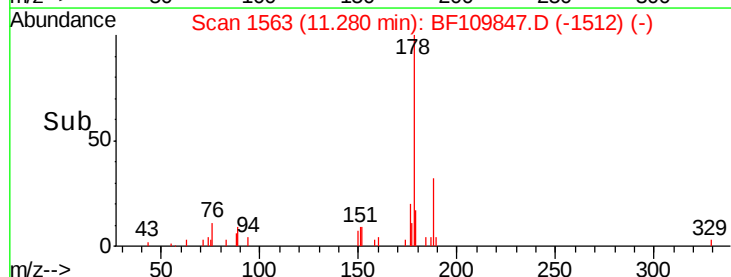
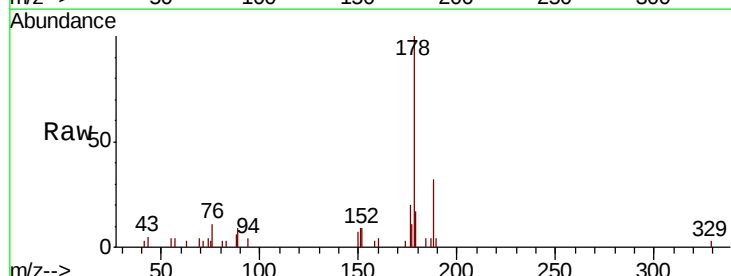
Manual Integrations
APPROVED

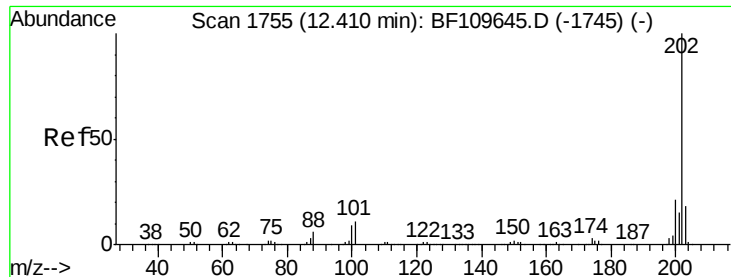
Sohil
10/15/2018 10:28:41 AM



#71
Anthracene
Concen: 2.060 ng m
RT: 11.28 min Scan# 1563
Delta R.T. -0.00 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.4	23.2
179	16.9	12.6	18.8





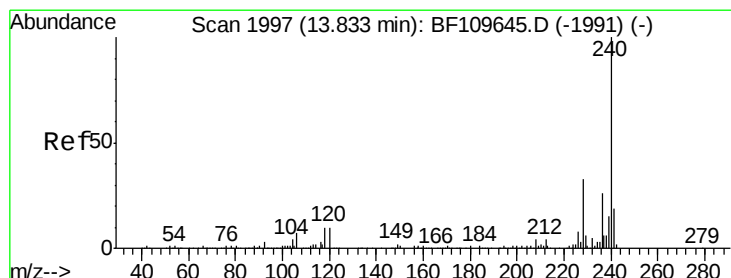
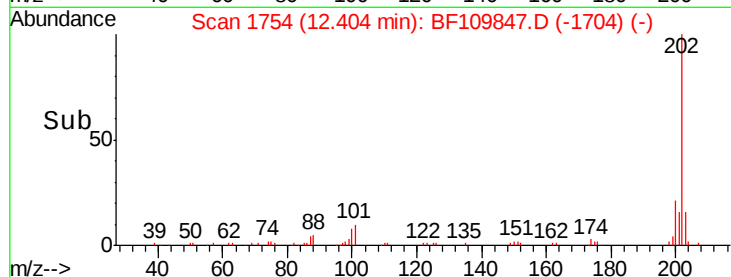
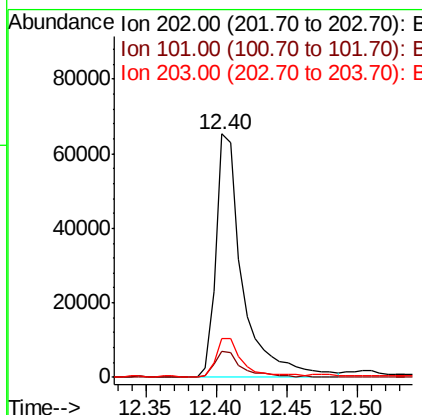
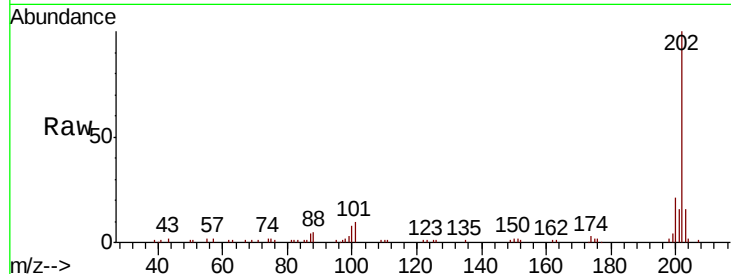
#74
Fluoranthene
Concen: 6.366 ng
RT: 12.40 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-027-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.4	0.0	31.4
203	15.9	0.0	37.7

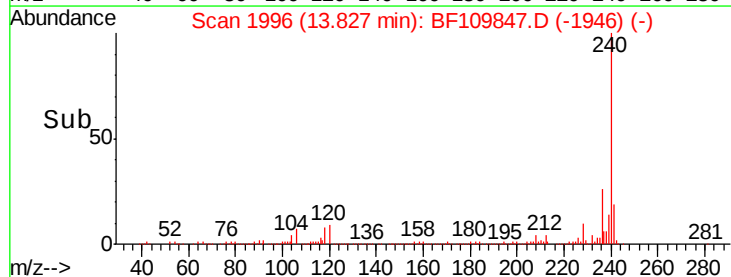
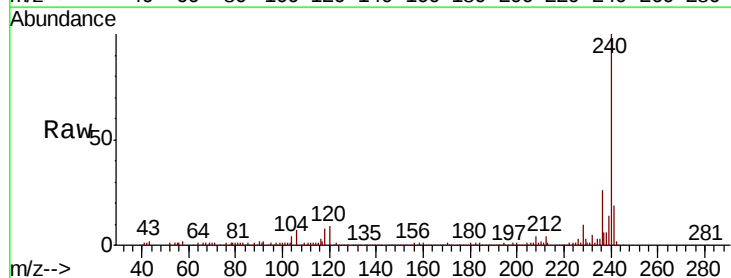
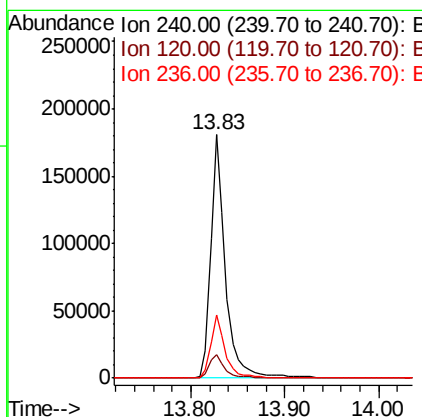
Manual Integrations
APPROVED

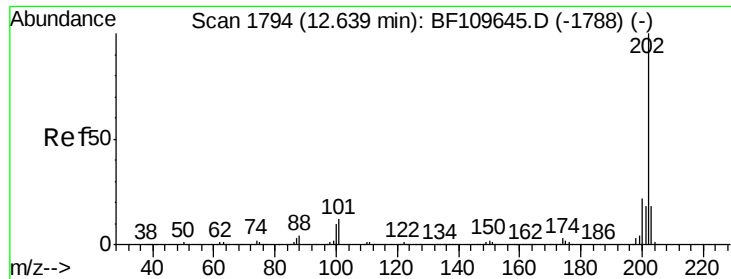
Sohil
10/15/2018 10:28:41 AM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.5	8.3	12.5
236	25.9	21.2	31.8





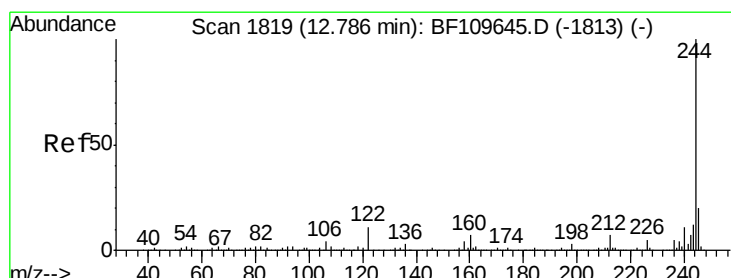
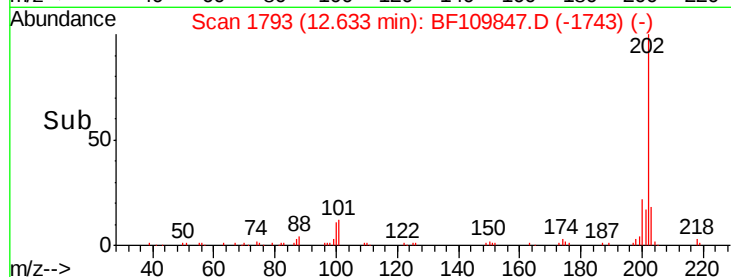
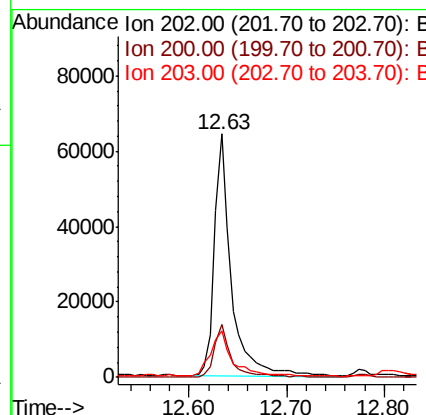
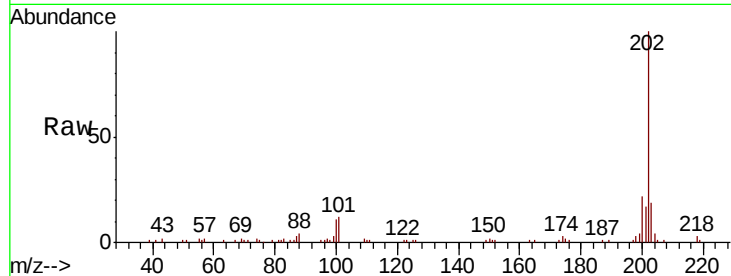
#77
Pvrene
Concen: 5.353 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-027-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.8	26.6
203	18.9	14.2	21.4

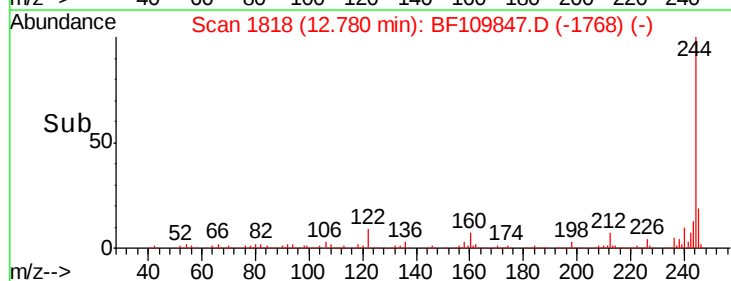
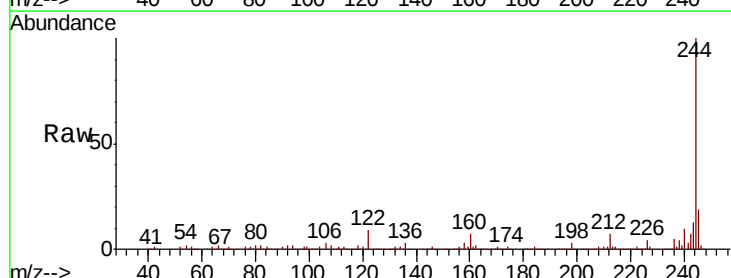
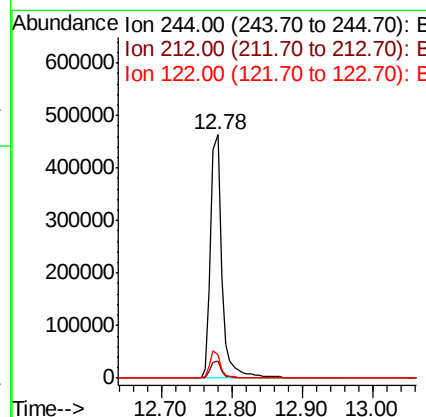
Manual Integrations
APPROVED

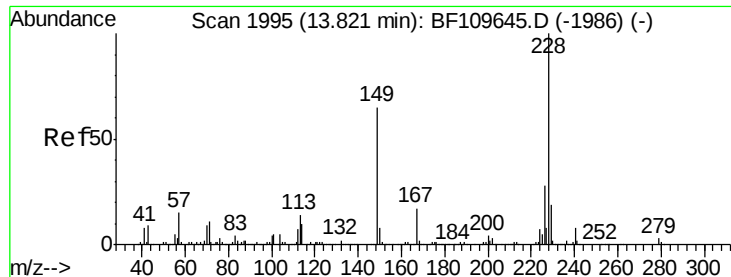
Sohil
10/15/2018 10:28:41 AM



#78
Terphenyl-d14
Concen: 50.449 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	9.5	8.7	13.1





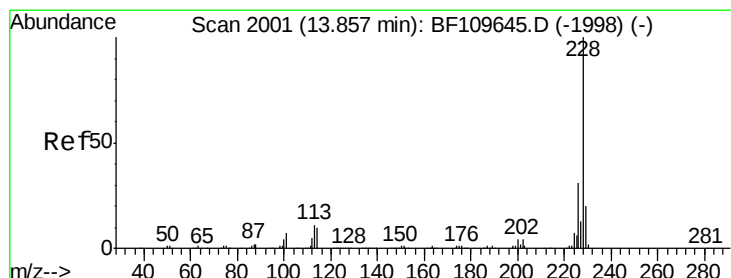
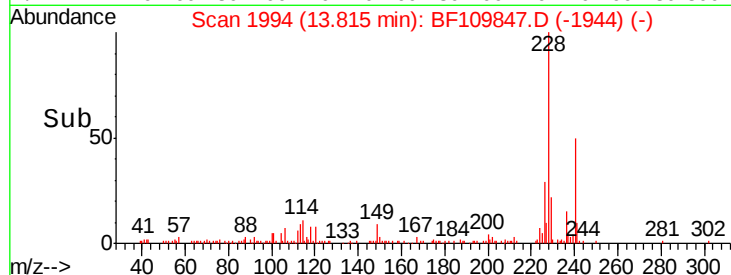
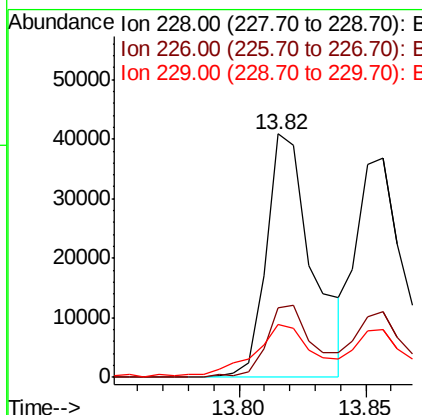
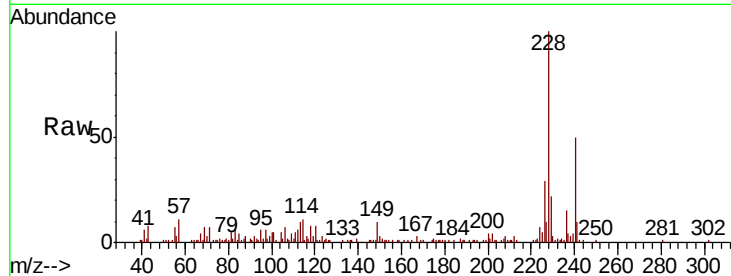
#80
Benzo(a)anthracene
Concen: 4.689 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-027-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.1	33.1
229	21.8	15.6	23.4

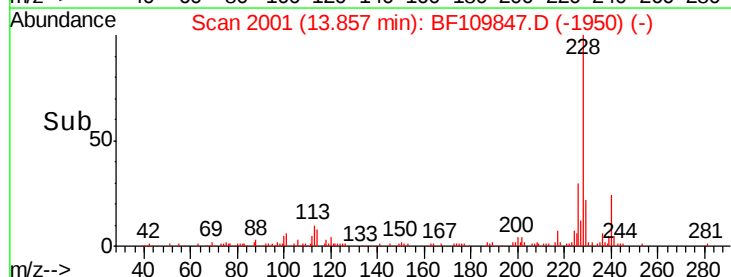
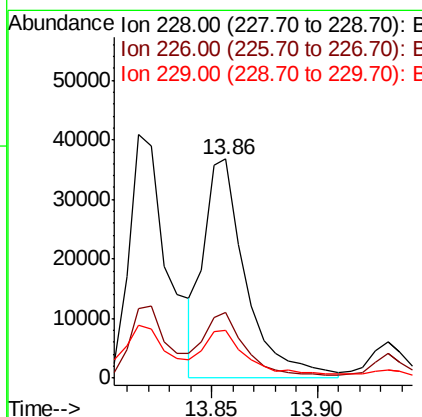
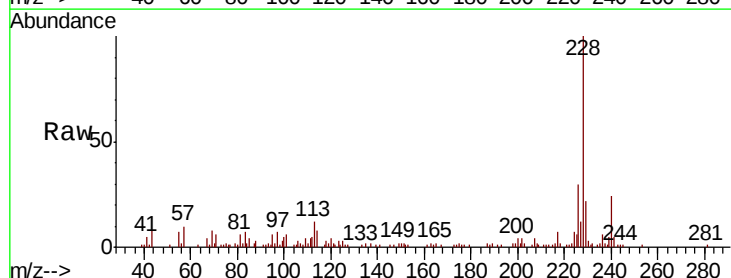
Manual Integrations
APPROVED

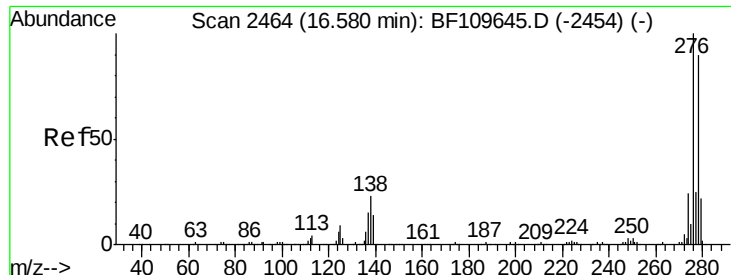
Sohil
10/15/2018 10:28:41 AM



#82
Chrysene
Concen: 4.413 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.00 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.7	37.1
229	21.7	15.9	23.9





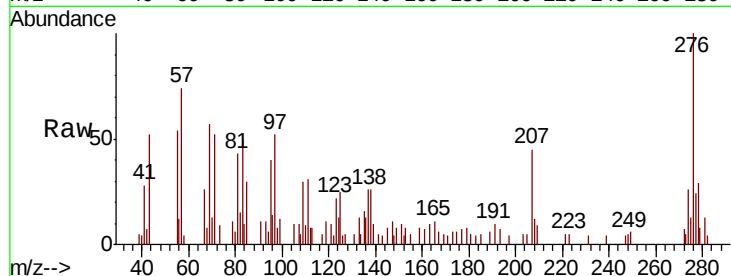
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.605 ng
RT: 16.59 min Scan# 2465
Delta R.T. 0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Instrument :
BNA_F
ClientSampled :
FK-GF-02-027-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	18.5	27.7
277	29.7	20.0	30.0

Manual Integrations
APPROVED

Sohil
10/15/2018 10:28:41 AM

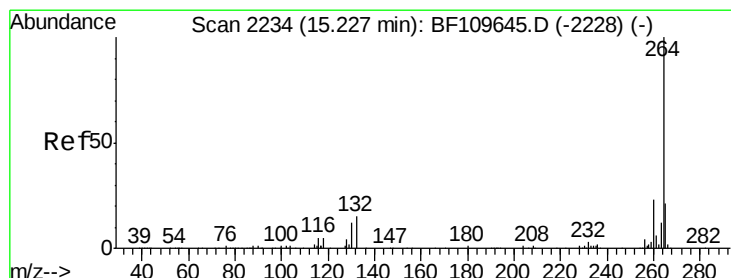
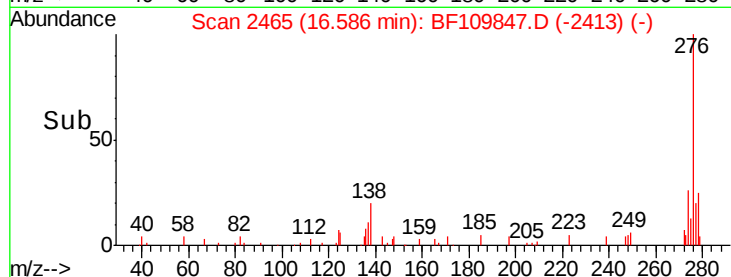
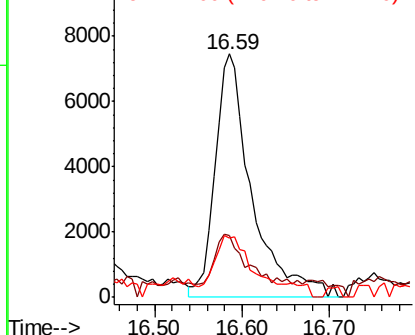


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

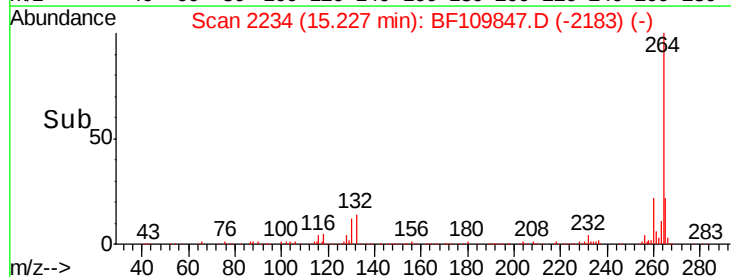
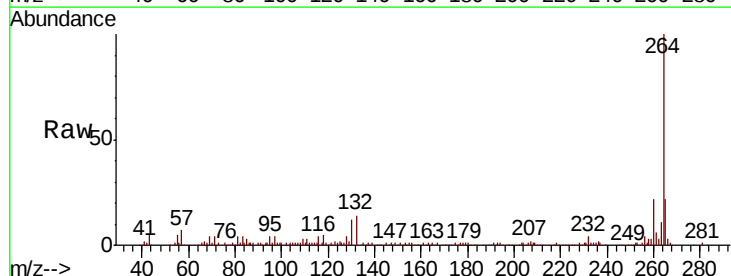
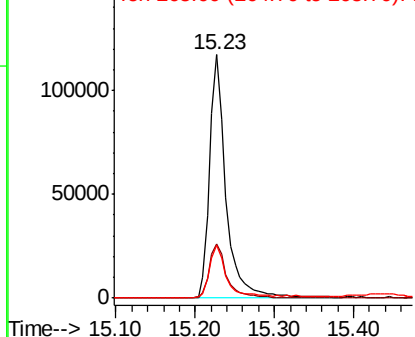
Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.7	28.1
265	21.5	16.7	25.1

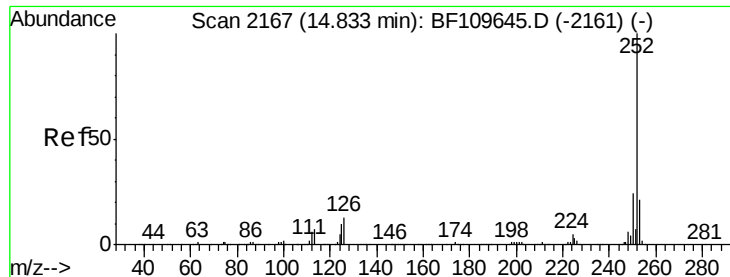
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





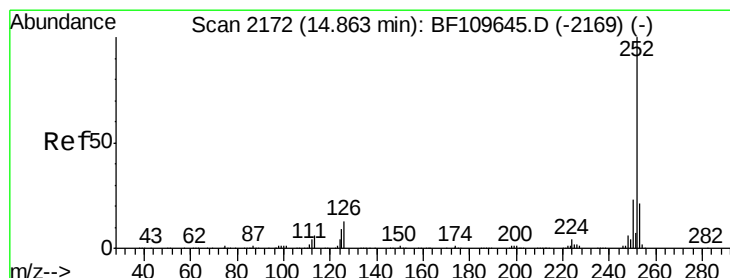
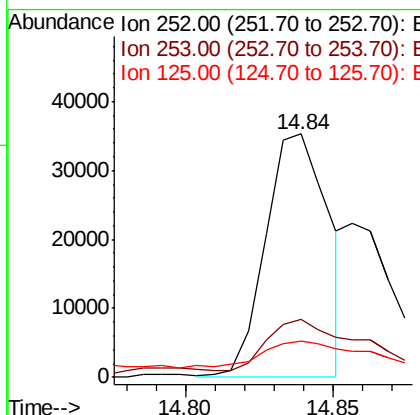
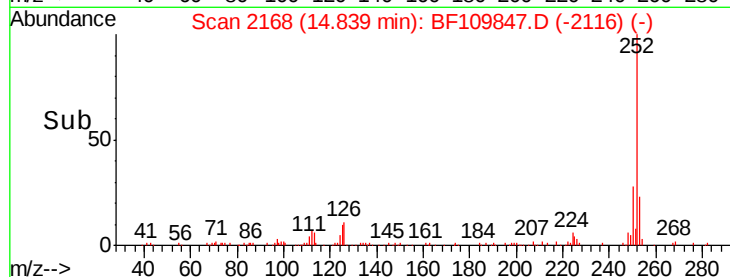
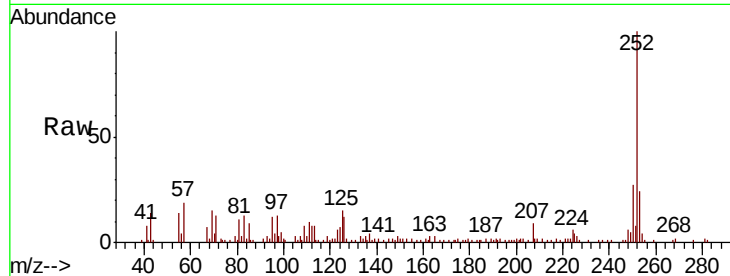
#87
Benzo(b)fluoranthene
Concen: 5.589 ng m
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-027-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	15.0	8.2	12.4

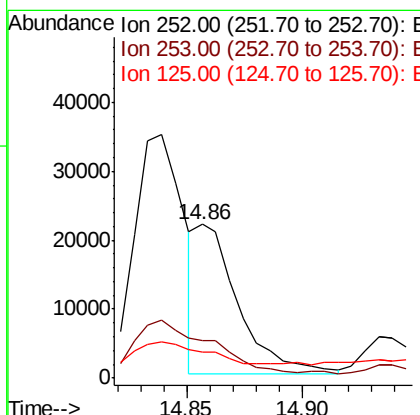
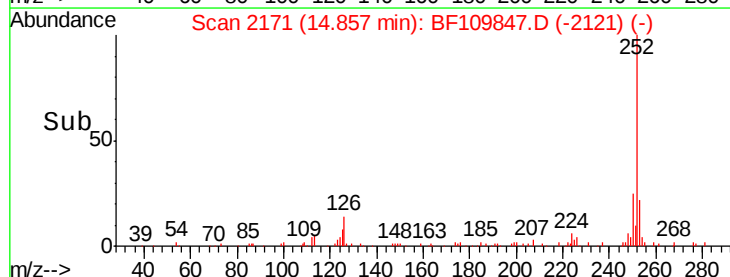
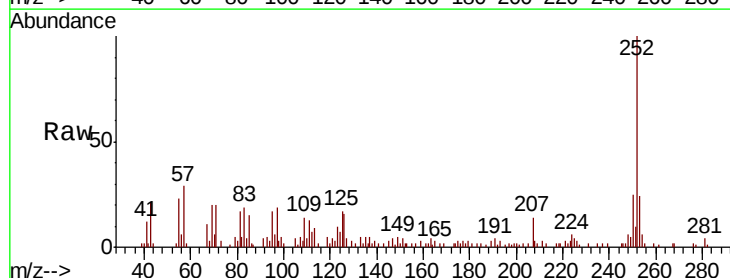
Manual Integrations
APPROVED

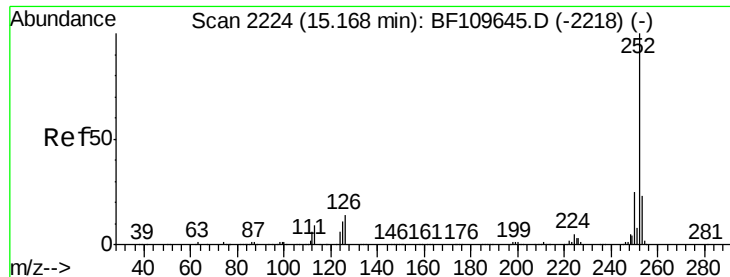
Sohil
10/15/2018 10:28:41 AM



#88
Benzo(k)fluoranthene
Concen: 2.871 ng m
RT: 14.86 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.2	25.8
125	16.9	7.4	11.0





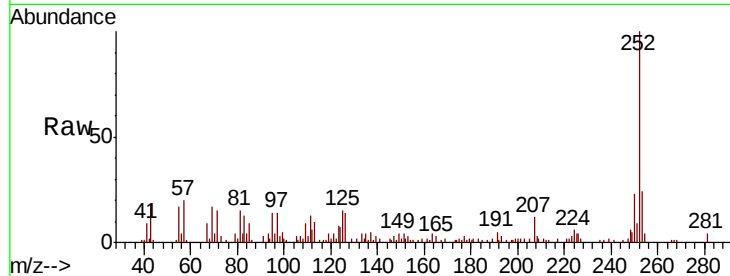
#89
Benzo(a)pyrene
Concen: 4.810 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-027-B

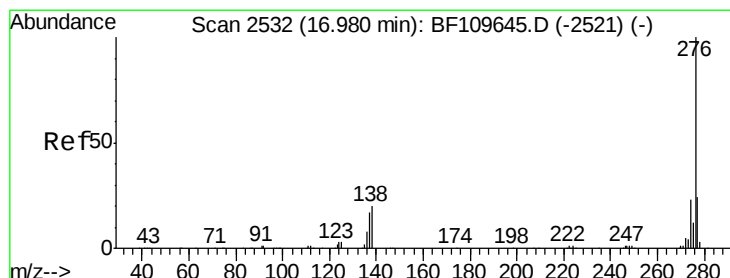
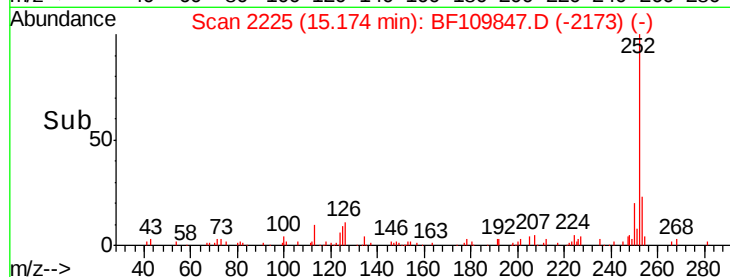
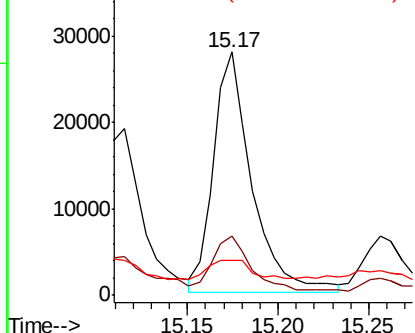
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.4
125	14.6	9.0	13.6

Manual Integrations
APPROVED

Sohil
10/15/2018 10:28:41 AM

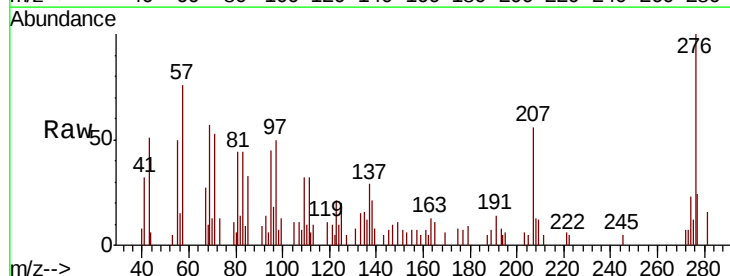


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.576 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF109847.D
Acq: 12 Oct 2018 21:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	20.6	16.0	24.0



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

