

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101409.D
 Acq On : 14 Dec 2017 22:30
 Operator : SJ/JU
 Sample : I6843-01 100X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-02

Manual Integrations
 APPROVED

Sohil
 12/15/2017 6:44:32 PM

Quant Time: Dec 15 01:18:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 15:42:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	179049	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	742816	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	327480	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	610669	20.00	ng	0.00
75) Chrysene-d12	13.99	240	427196	20.00	ng	-0.01
86) Perylene-d12	15.46	264	337282	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.54	99	829	0.06	ng	0.08
23) Nitrobenzene-d5	7.42	82	403	0.03	ng	0.04
41) 2,4,6-Tribromophenol	10.66	330	108	0.03	ng	0.01
44) 2-Fluorobiphenyl	9.17	172	1697	0.08	ng	0.00
78) Terphenyl-d14	12.93	244	2474	0.14	ng	0.00
Target Compounds						
31) Naphthalene	8.12	128	116221	3.108	ng	Qvalue 100
57) Fluorene	10.40	166	58770	2.592	ng	96
70) Phenanthrene	11.37	178	525957	15.487	ng	99
71) Anthracene	11.42	178	220844	6.366	ng	99
72) Carbazole	11.58	167	71637	2.206	ng	97
74) Fluoranthene	12.56	202	466849	13.097	ng	96
77) Pyrene	12.79	202	347428	10.836	ng	100
80) Benzo(a)anthracene	13.98	228	152548	5.408	ng	99
82) Chrysene	14.02	228	119560	4.489	ng	98
87) Benzo(b)fluoranthene	15.04	252	101651m	4.945	ng	
88) Benzo(k)fluoranthene	15.06	252	44366m	2.220	ng	
89) Benzo(a)pyrene	15.40	252	72116	3.805	ng	99
91) Benzo(a,h,i)perylene	17.39	276	34320	2.130	ng	97

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

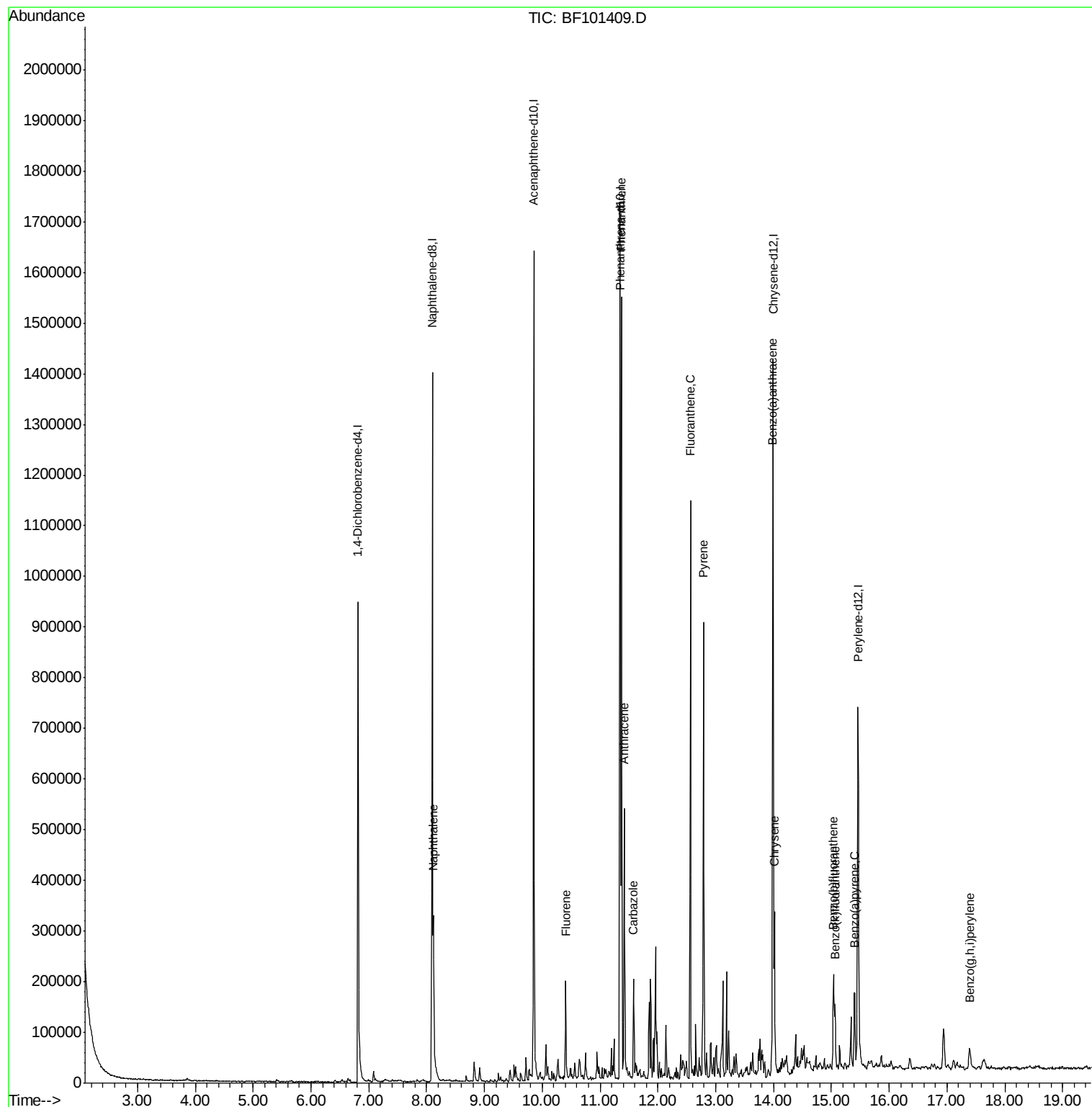
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101409.D
Acq On : 14 Dec 2017 22:30
Operator : SJ/JU
Sample : I6843-01 100X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-04-02

Manual Integrations
APPROVED

Sohil
12/15/2017 6:44:32 PM

Quant Time: Dec 15 01:18:58 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 15:42:32 2017
Response via : Initial Calibration





#1

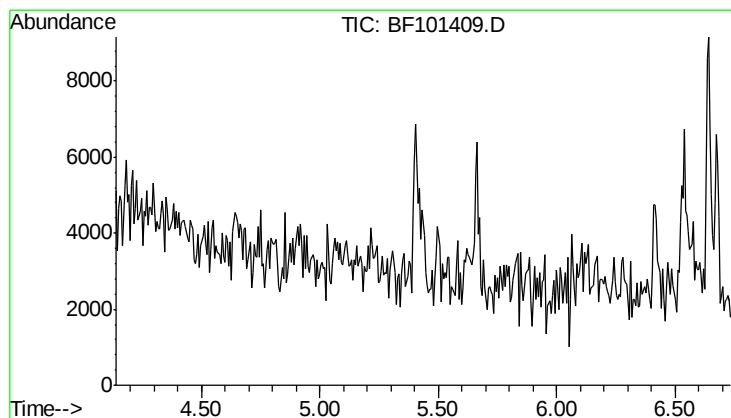
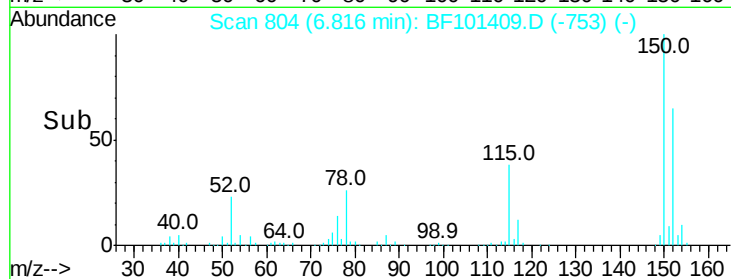
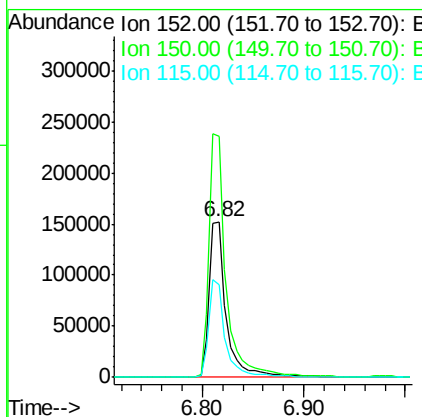
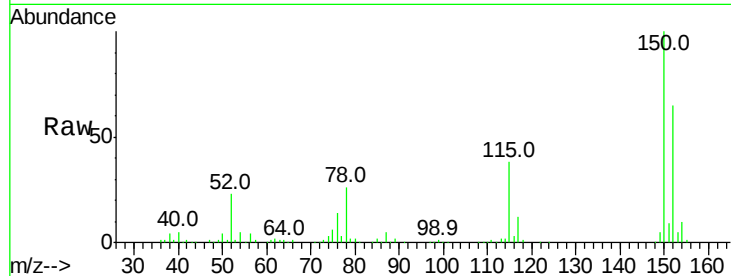
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF101409.D
Acq: 14 Dec 2017 22:30

Instrument :
BNA_F
ClientSampleId :
WC-04-02

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	59.7	50.1	75.1

Manual Integrations
APPROVED

Sohil
12/15/2017 6:44:32 PM

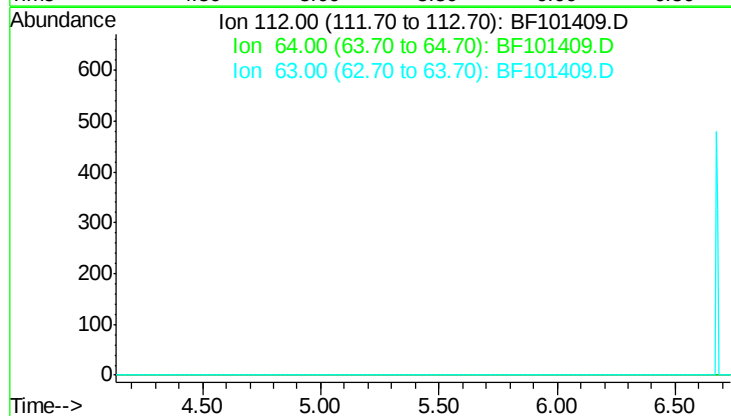


#5

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.43 min

Lab File: BF101409.D
Acq: 14 Dec 2017 22:30

Tgt Ion	Sig	Exp Ratio
112	100	
64	59.9	
63	29.6	





#7

Phenol-d6

Concen: 0.055 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.08 min

Lab File: BF101409.D

Acq: 14 Dec 2017 22:30

Instrument :

BNA_F

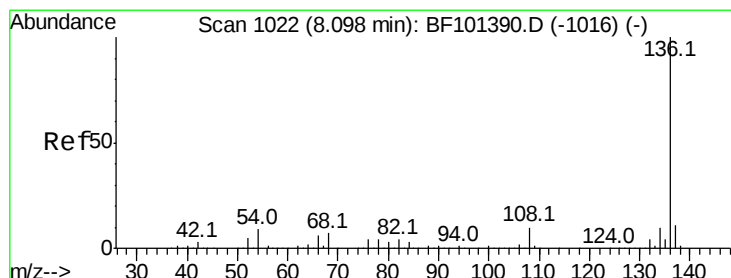
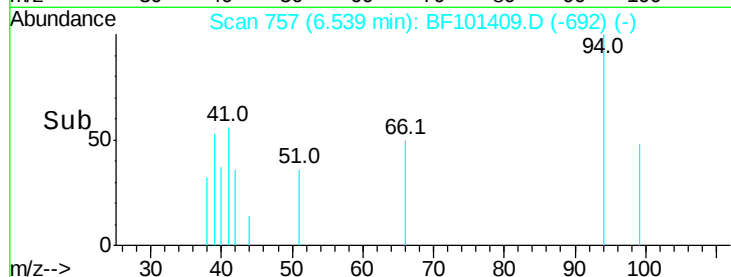
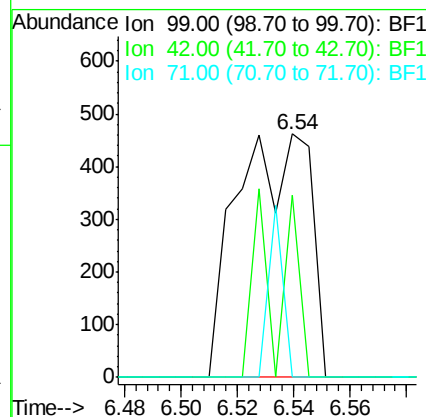
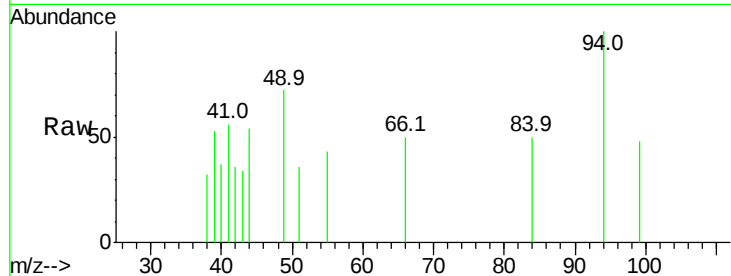
ClientSampled :

WC-04-02

Tot Ion:	99	Resp:	829
Ion Ratio	Lower	Upper	
99	100		
42	74.7	14.5	21.7#
71	0.0	25.4	38.0#

Manual Integrations
APPROVED

Sohil
12/15/2017 6:44:32 PM



#21

Naphthalene-d8

Concen: 20.000 ng

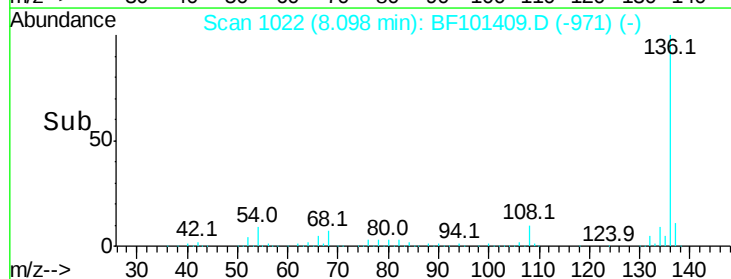
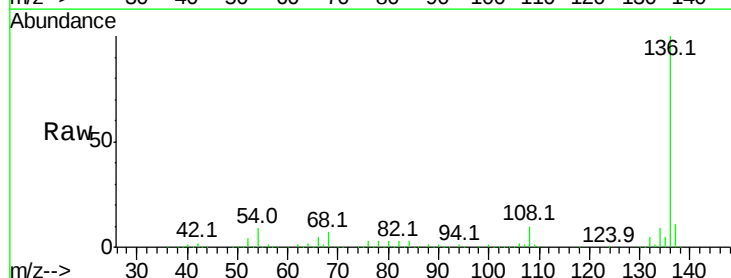
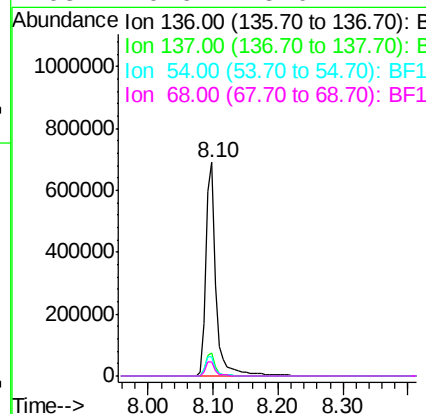
RT: 8.10 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF101409.D

Acq: 14 Dec 2017 22:30

Tgt Ion:	136	Resp:	742816
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	8.9	6.6	9.8
68	6.6	5.0	7.4





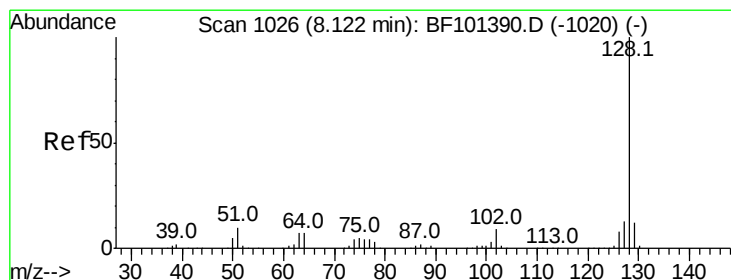
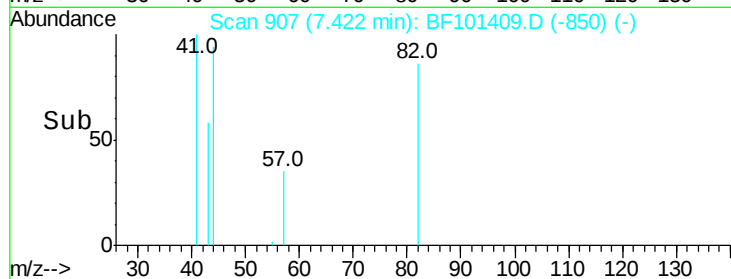
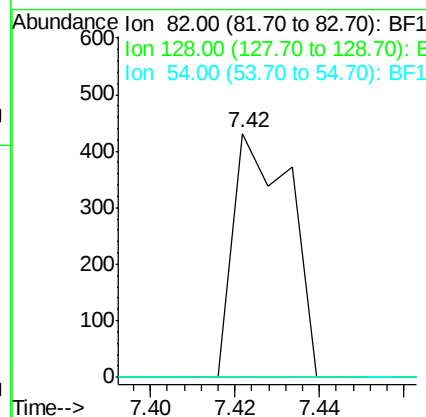
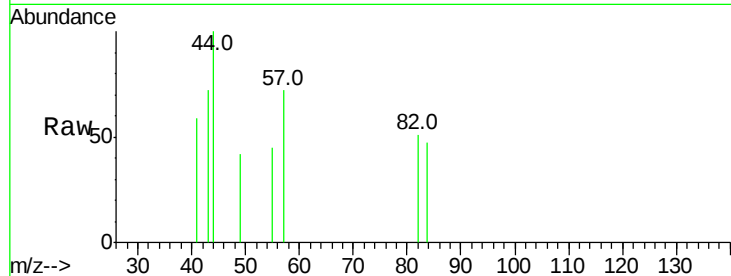
#23
Nitrobenzene-d5
Concen: 0.030 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.04 min
Lab File: BF101409.D
Acq: 14 Dec 2017 22:30

Instrument :
BNA_F
ClientSampleId :
WC-04-02

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	36.1	54.1#
54	0.0	41.4	62.2#

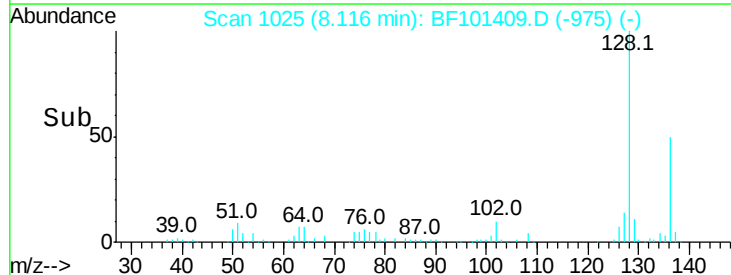
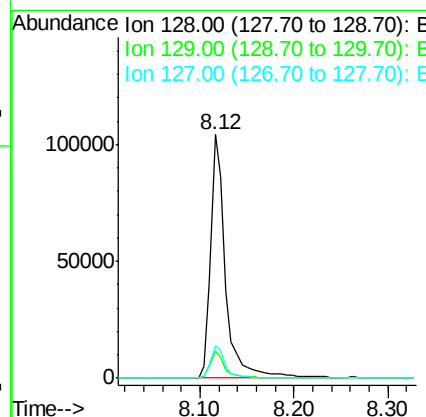
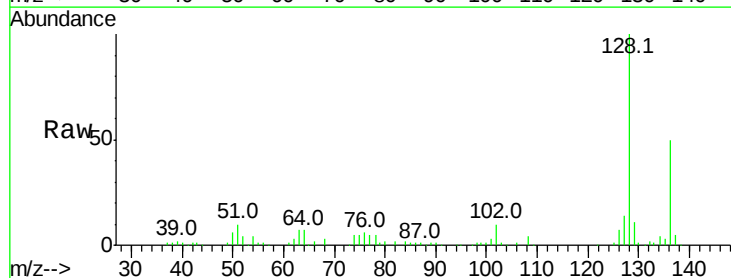
Manual Integrations
APPROVED

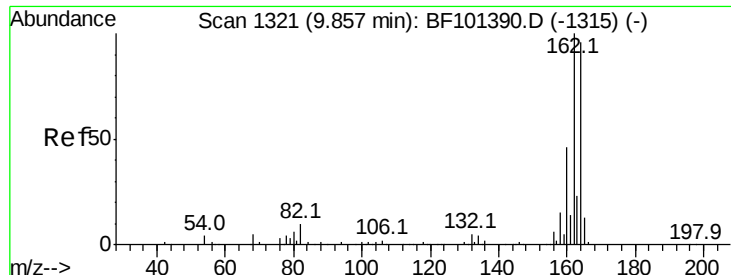
Sohil
12/15/2017 6:44:32 PM



#31
Naphthalene
Concen: 3.108 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF101409.D
Acq: 14 Dec 2017 22:30

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.5	10.9	16.3





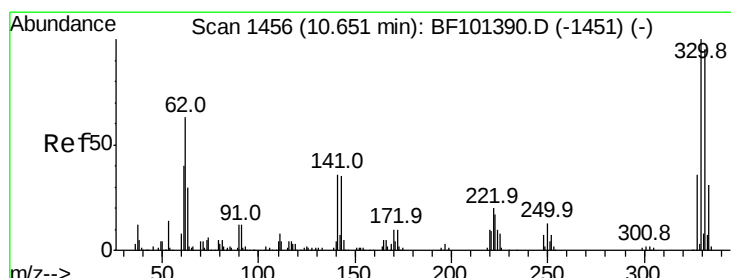
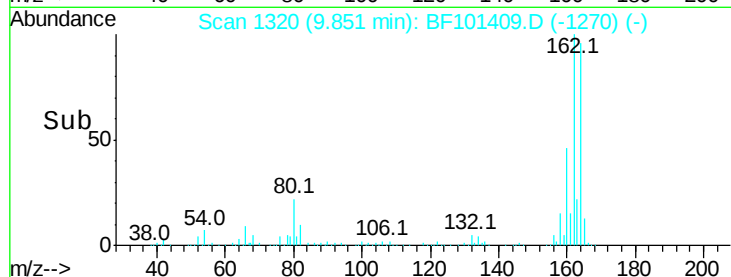
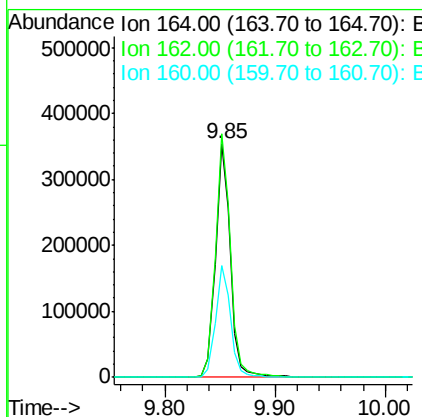
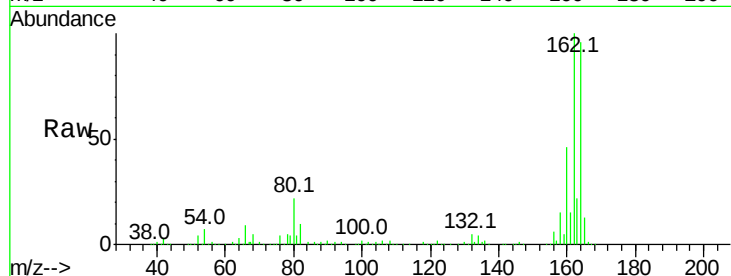
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF101409.D
 Acq: 14 Dec 2017 22:30

Instrument :
 BNA_F
 ClientSampleID :
 WC-04-02

Tot Ion:	164	Resp:	327480
Ion Ratio	Lower	Upper	
164	100		
162	104.3	86.1	129.1
160	47.9	38.3	57.5

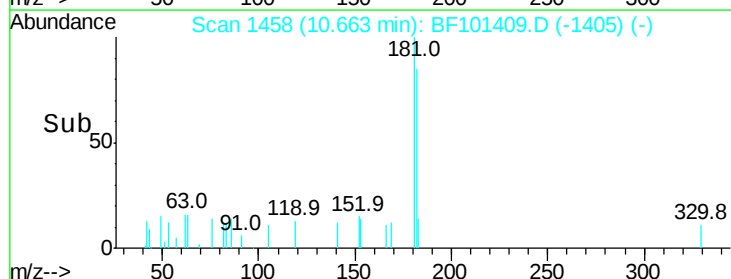
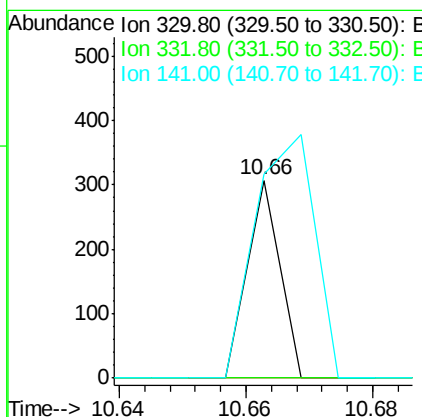
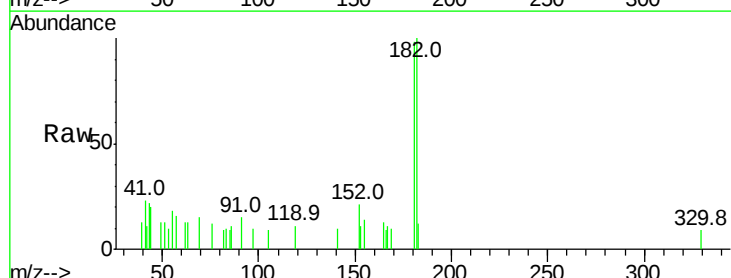
Manual Integrations
 APPROVED

Sohil
 12/15/2017 6:44:32 PM



#41
 2,4,6-Tribromophenol
 Concen: 0.034 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: BF101409.D
 Acq: 14 Dec 2017 22:30

Tgt Ion:	330	Resp:	108
Ion Ratio	Lower	Upper	
330	100		
332	0.0	77.0	115.6#
141	226.9	29.9	44.9#





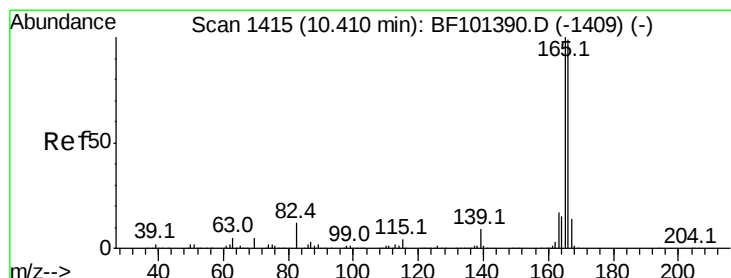
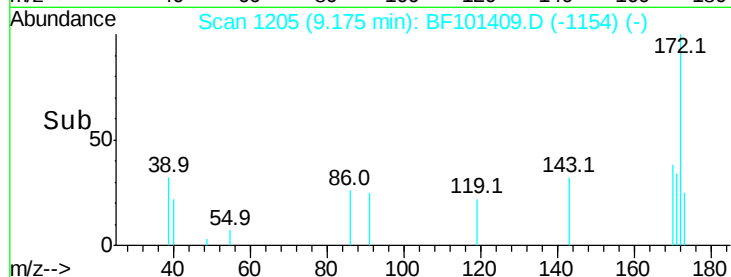
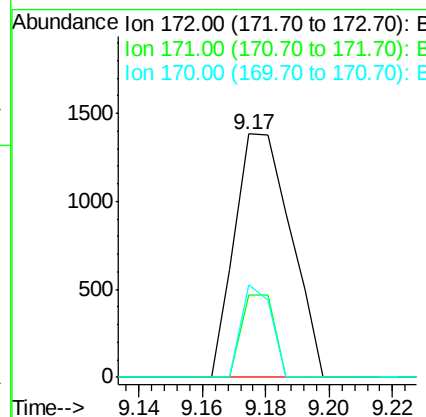
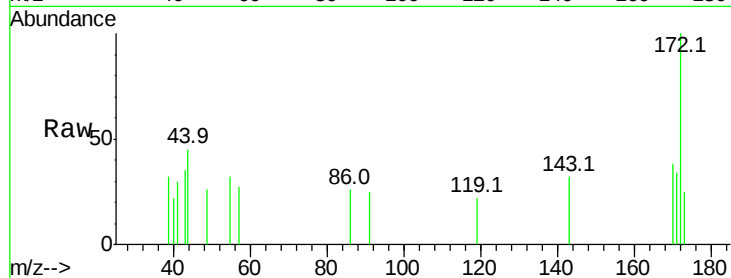
#44
 2-Fluorobiphenyl
 Concen: 0.080 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF101409.D
 Acq: 14 Dec 2017 22:30

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-02

Tot Ion	Ratio	Resp	Lower	Upper
172	100	1697		
171	33.6		29.7	44.5
170	37.9		19.6	29.4

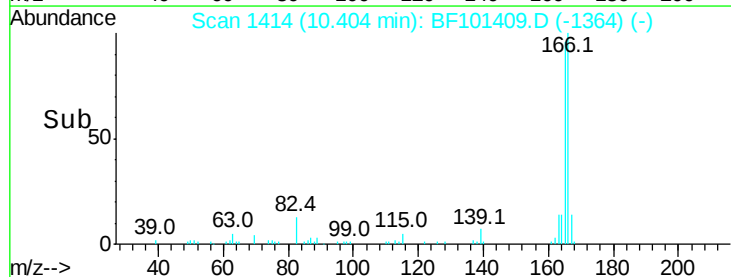
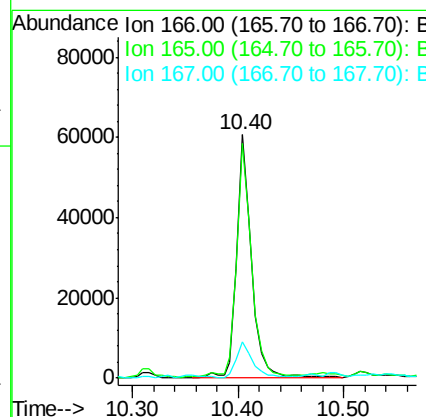
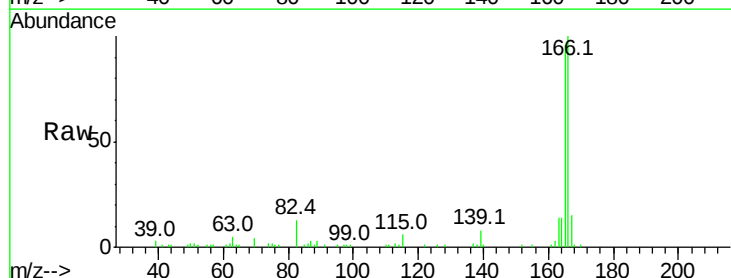
Manual Integrations
 APPROVED

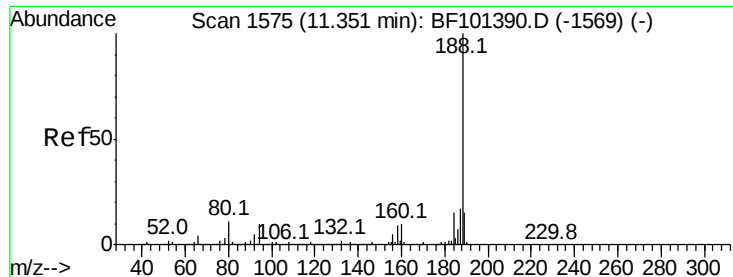
Sohil
 12/15/2017 6:44:32 PM



#57
 Fluorene
 Concen: 2.592 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BF101409.D
 Acq: 14 Dec 2017 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	58770		
165	96.2		79.8	119.8
167	14.8		10.6	16.0





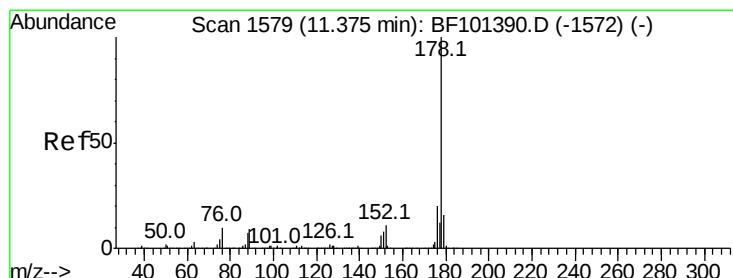
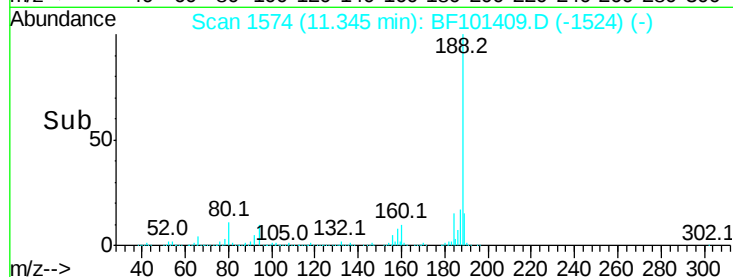
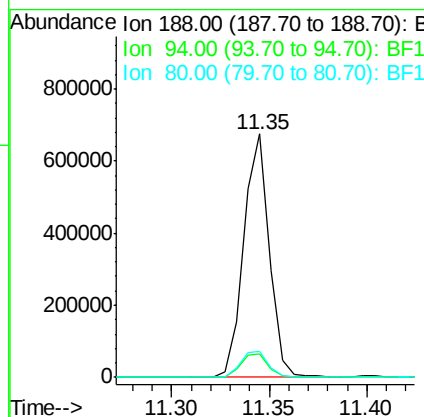
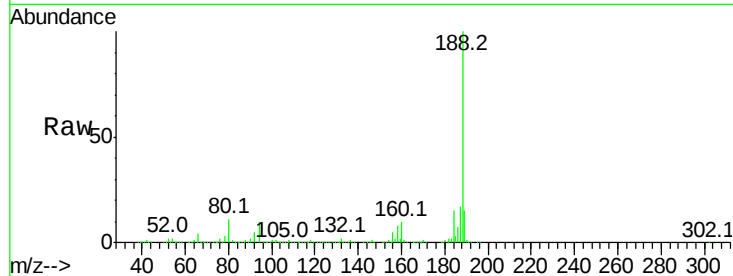
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101409.D
Acq: 14 Dec 2017 22:30

Instrument :
BNA_F
ClientSampleId :
WC-04-02

Tot Ion:188	Resp: 610669
Ion Ratio	Lower Upper
188 100	
94 9.6	8.5 12.7
80 10.9	9.2 13.8

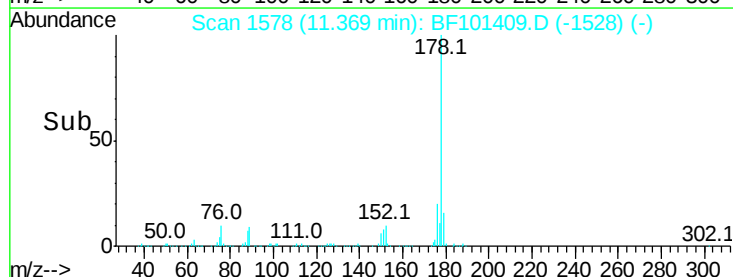
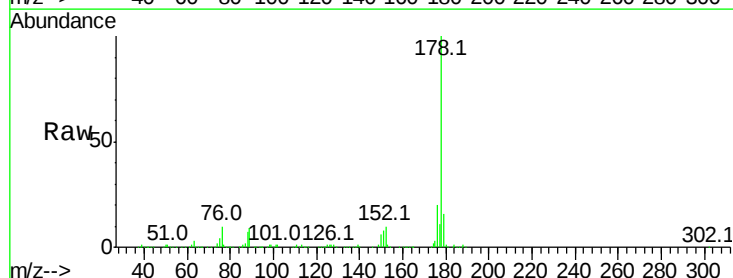
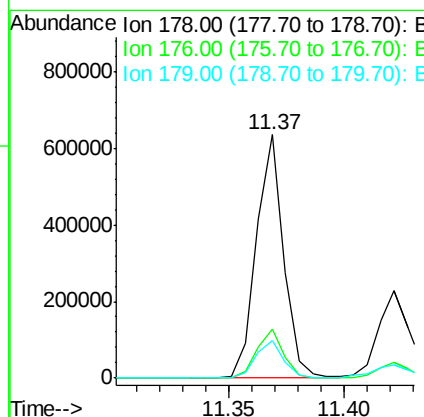
Manual Integrations
APPROVED

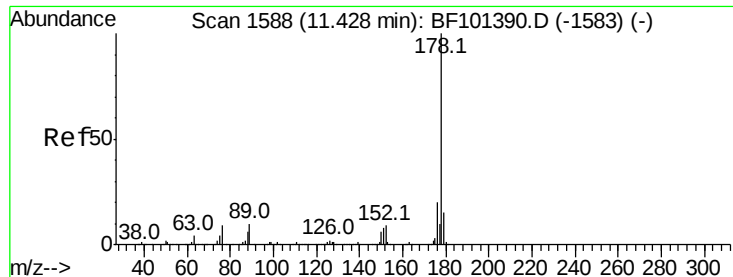
Sohil
12/15/2017 6:44:32 PM



#70
Phenanthrene
Concen: 15.487 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101409.D
Acq: 14 Dec 2017 22:30

Tgt Ion:178	Resp: 525957
Ion Ratio	Lower Upper
178 100	
176 20.4	15.8 23.8
179 15.6	13.0 19.6





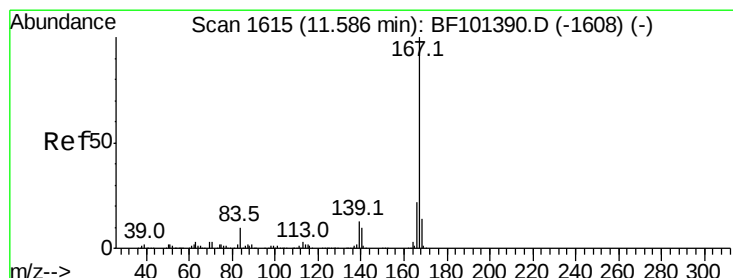
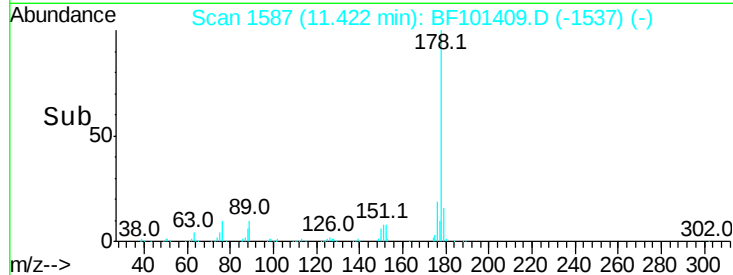
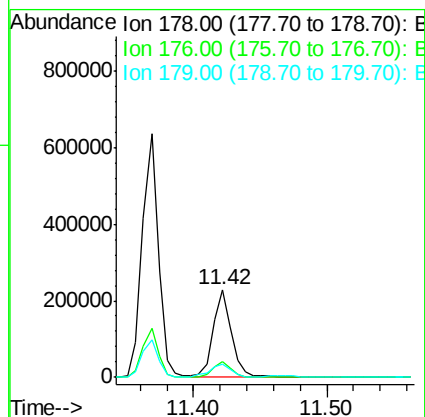
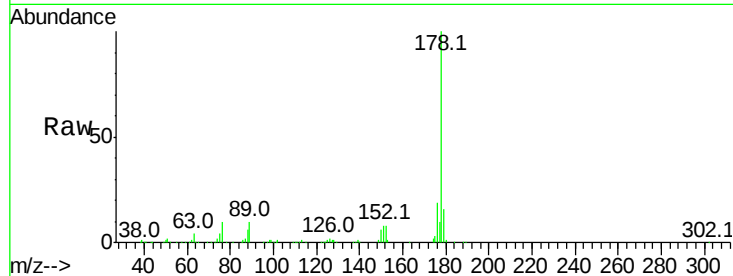
#71
 Anthracene
 Concen: 6.366 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF101409.D
 Acq: 14 Dec 2017 22:30

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-02

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.8	12.6	19.0

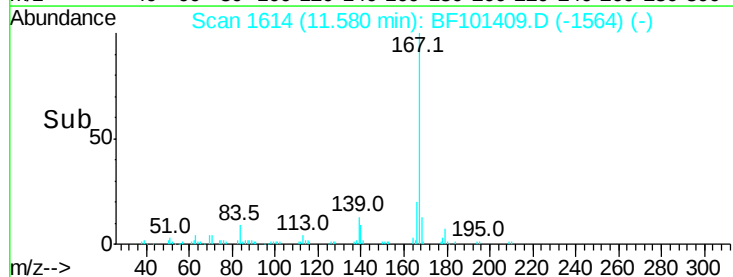
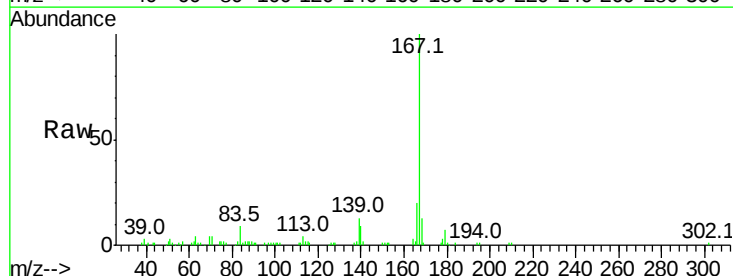
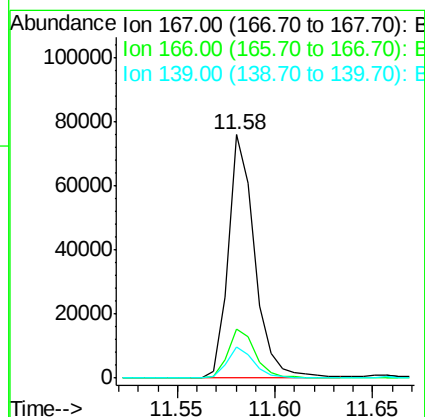
Manual Integrations
 APPROVED

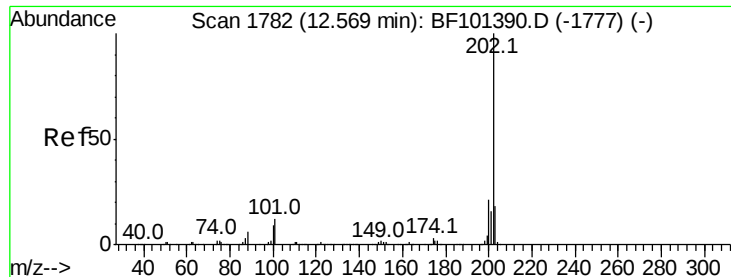
Sohil
 12/15/2017 6:44:32 PM



#72
 Carbazole
 Concen: 2.206 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF101409.D
 Acq: 14 Dec 2017 22:30

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.3	17.6	26.4
139	12.6	10.9	16.3





#74

Fluoranthene

Concen: 13.097 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF101409.D

Acq: 14 Dec 2017 22:30

Instrument :

BNA_F

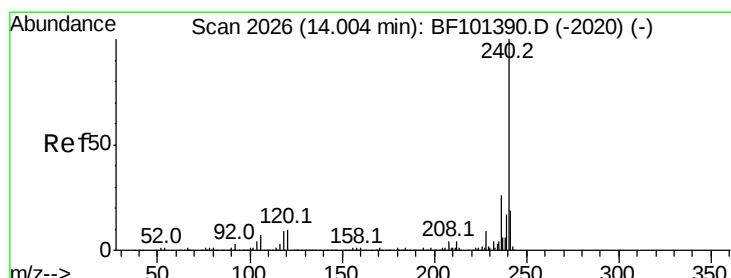
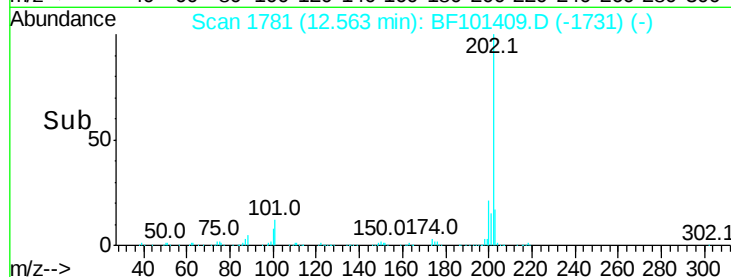
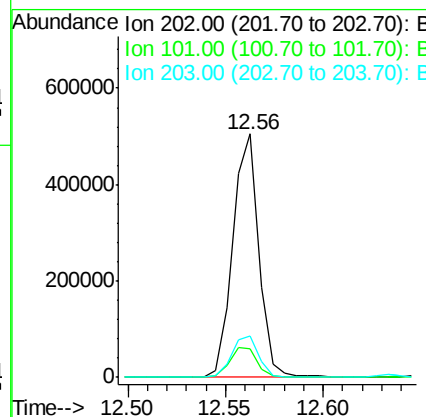
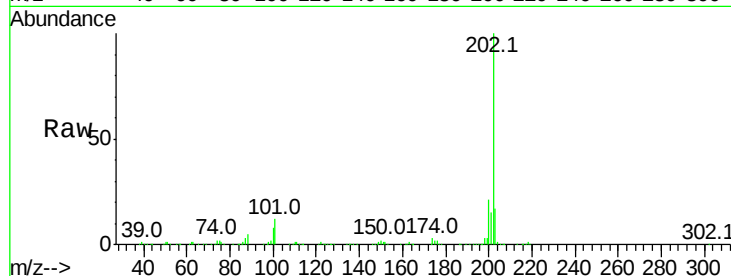
ClientSampleId :

WC-04-02

Tot Ion:	202	Resp:	466849
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	34.1
203	17.1	0.0	38.1

Manual Integrations
APPROVED

Sohil
12/15/2017 6:44:32 PM



#75

Chrysene-d12

Concen: 20.000 ng

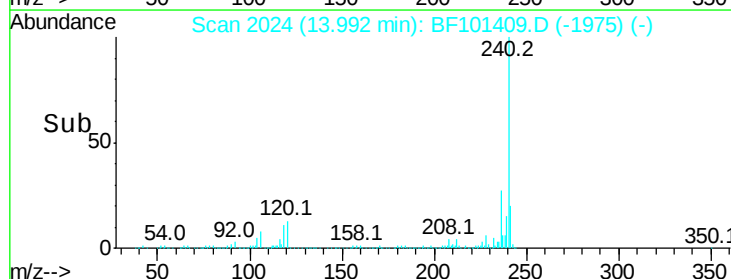
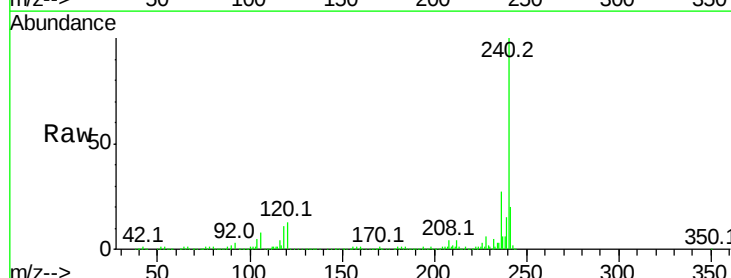
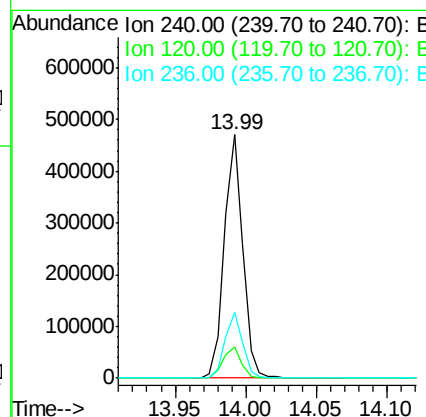
RT: 13.99 min Scan# 2024

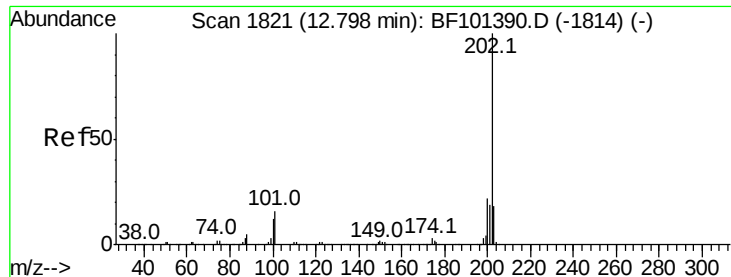
Delta R.T. -0.01 min

Lab File: BF101409.D

Acq: 14 Dec 2017 22:30

Tgt Ion:	240	Resp:	427196
Ion Ratio	Lower	Upper	
240	100		
120	12.8	9.5	14.3
236	27.0	20.7	31.1





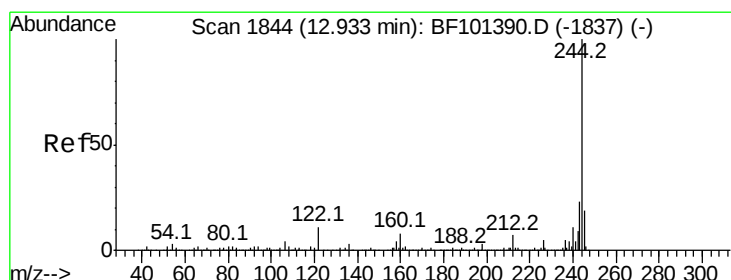
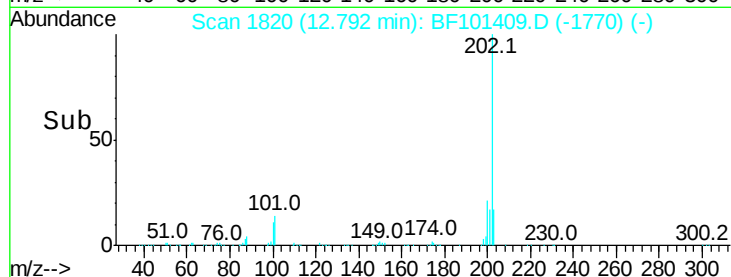
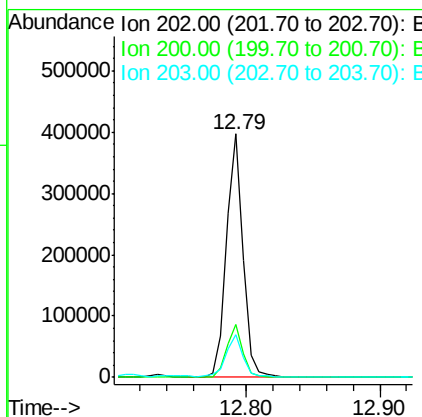
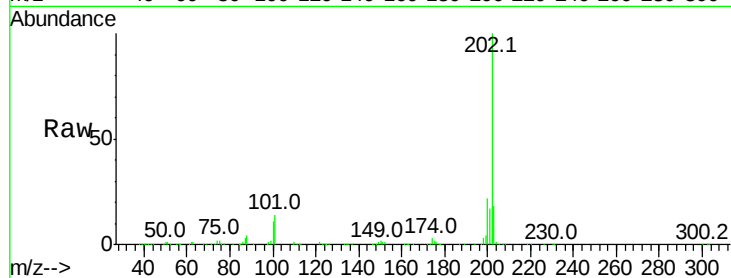
#77
Pvrene
Concen: 10.836 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF101409.D
Acq: 14 Dec 2017 22:30

Instrument :
BNA_F
ClientSampleId :
WC-04-02

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.8	14.3	21.5

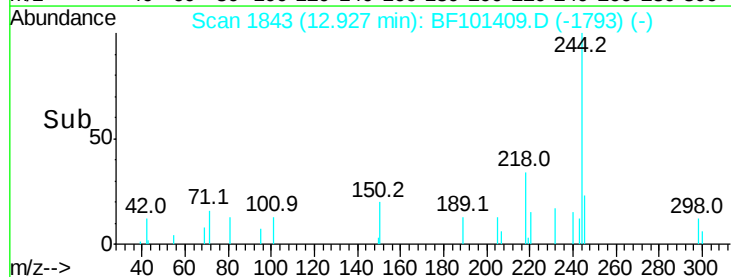
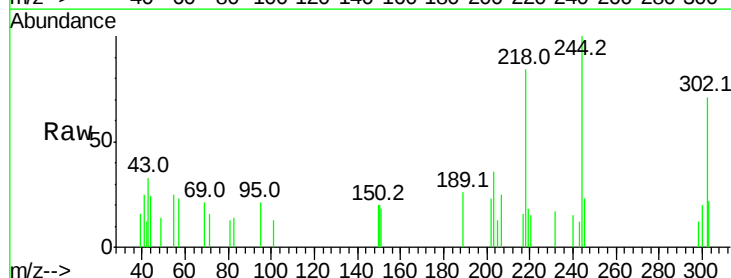
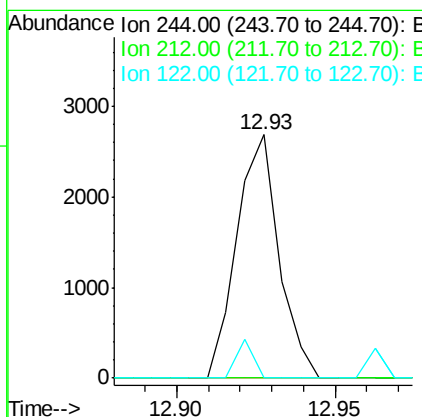
Manual Integrations
APPROVED

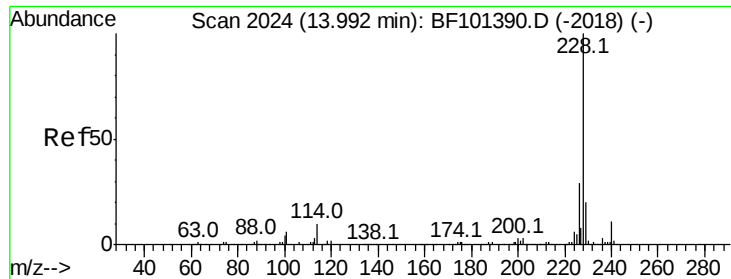
Sohil
12/15/2017 6:44:32 PM



#78
Terphenyl-d14
Concen: 0.140 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF101409.D
Acq: 14 Dec 2017 22:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	0.0	5.4	8.0#
122	0.0	11.0	16.4#





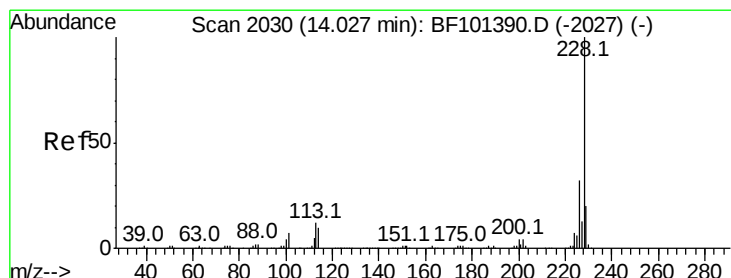
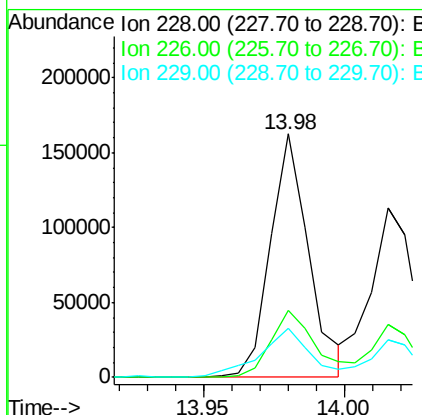
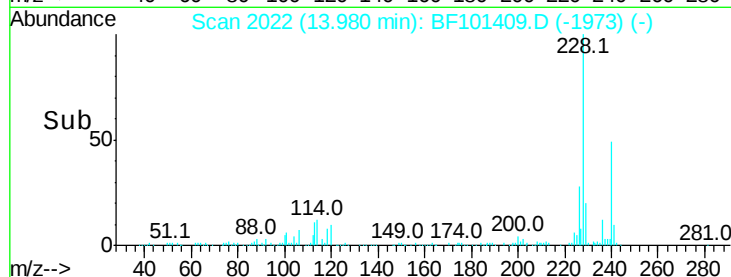
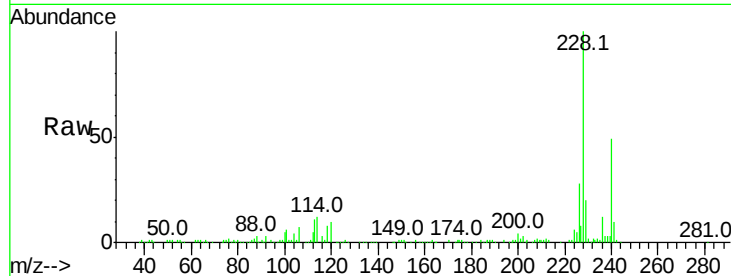
#80
Benzo(a)anthracene
Concen: 5.408 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF101409.D
Acq: 14 Dec 2017 22:30

Instrument :
BNA_F
ClientSampleId :
WC-04-02

Tot Ion	Ratio	Resp	Lower	Upper
228	100	152548		
226	27.7		22.6	33.8
229	20.2		15.8	23.6

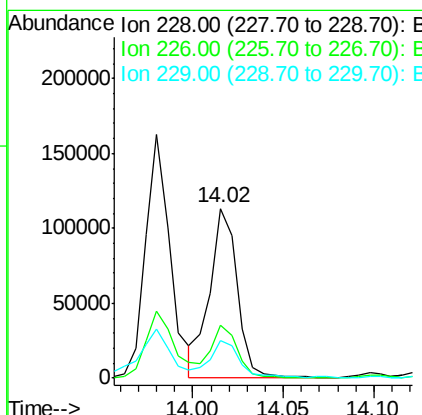
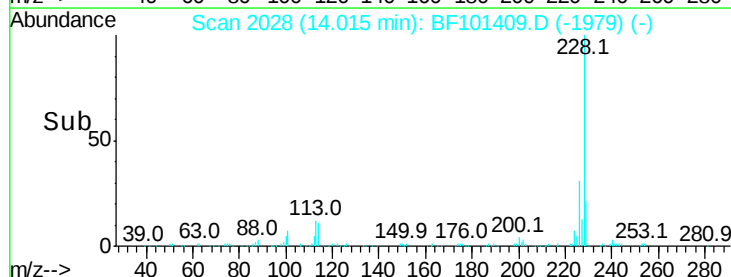
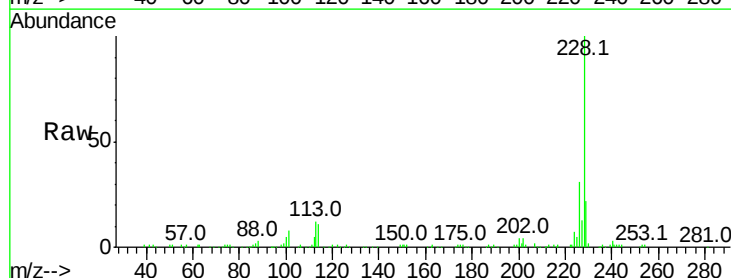
Manual Integrations
APPROVED

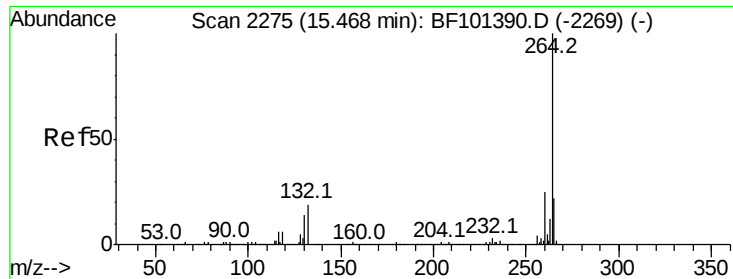
Sohil
12/15/2017 6:44:32 PM



#82
Chrysene
Concen: 4.489 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF101409.D
Acq: 14 Dec 2017 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	119560		
226	30.9		25.0	37.6
229	21.9		16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF101409.D

Acq: 14 Dec 2017 22:30

Instrument :

BNA_F

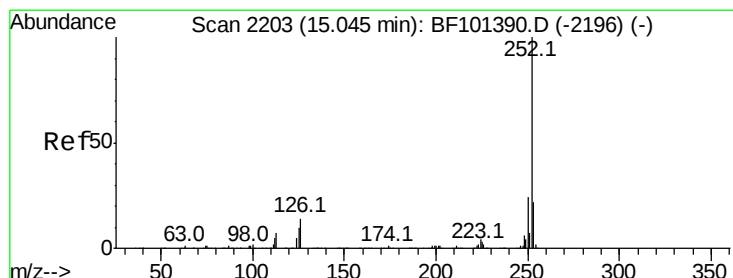
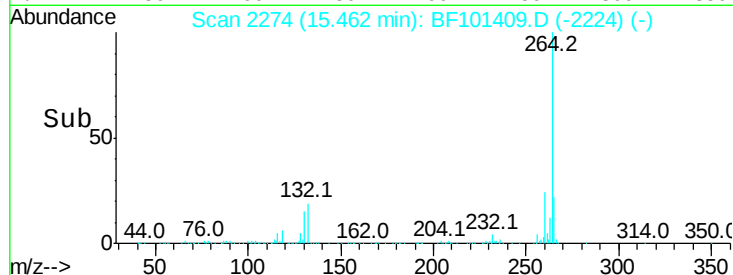
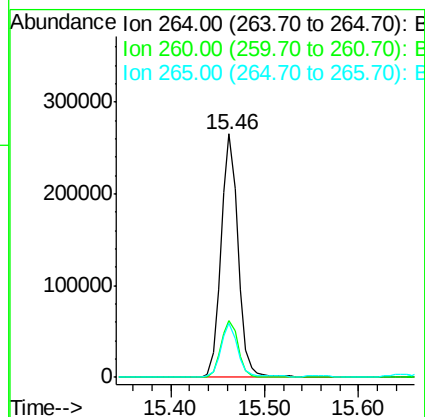
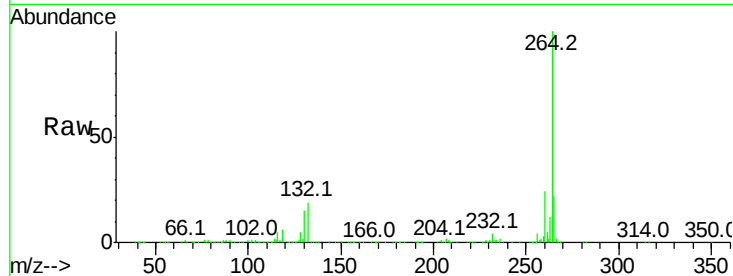
ClientSampleId :

WC-04-02

Tot Ion:	264	Resp:	337282
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	22.2	17.5	26.3

Manual Integrations
APPROVED

Sohil
12/15/2017 6:44:32 PM



#87

Benzo(b)fluoranthene

Concen: 4.945 ng m

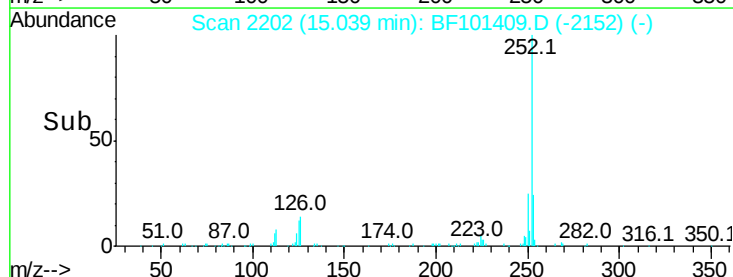
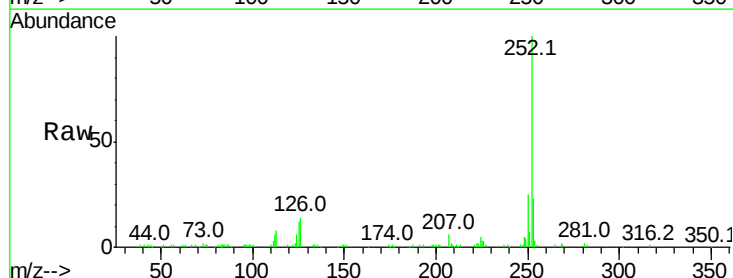
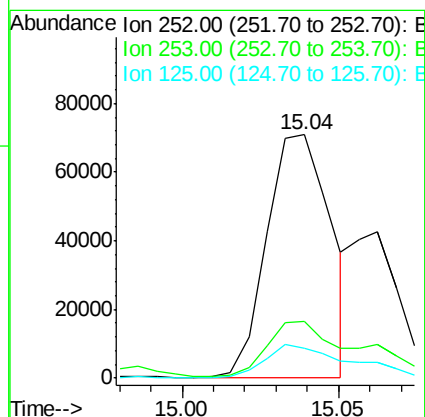
RT: 15.04 min Scan# 2202

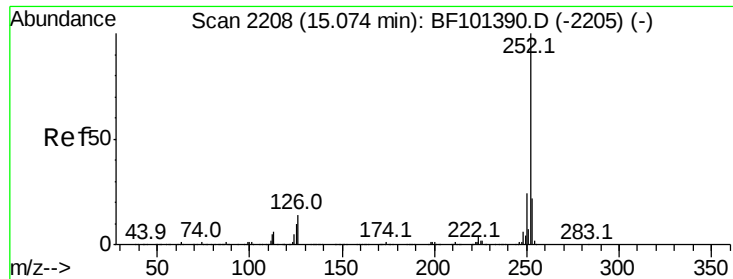
Delta R.T. -0.01 min

Lab File: BF101409.D

Acq: 14 Dec 2017 22:30

Tgt Ion:	252	Resp:	101651
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.6
125	12.2	9.0	13.6





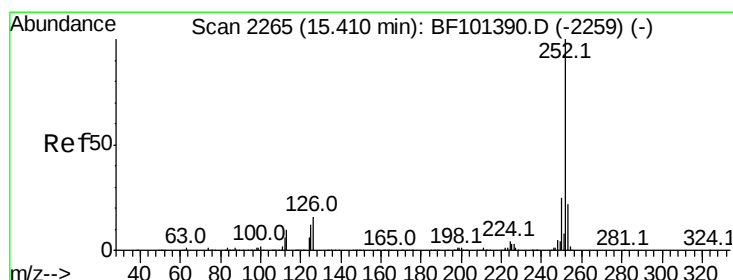
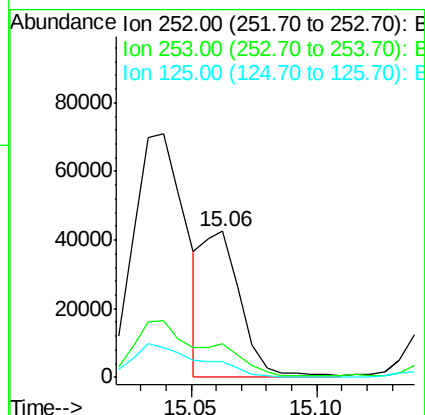
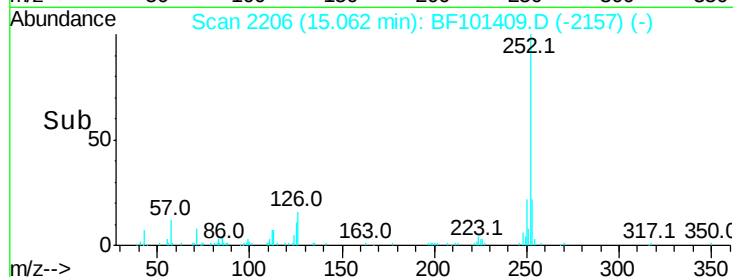
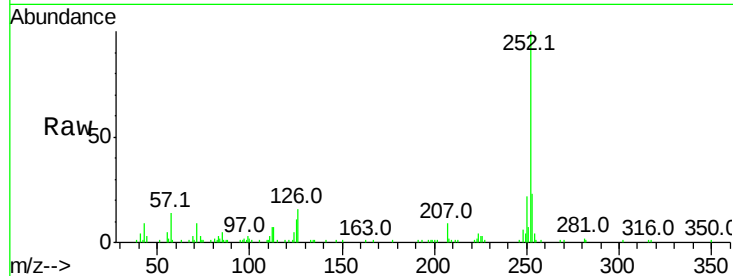
#88
Benzo(k)fluoranthene
Concen: 2.220 ng/mL
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF101409.D
Acq: 14 Dec 2017 22:30

Instrument :
BNA_F
ClientSampleId :
WC-04-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	11.2	10.2	15.2

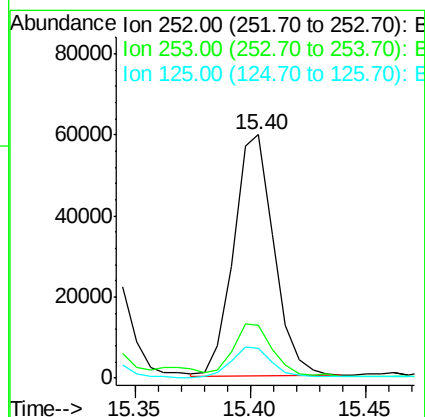
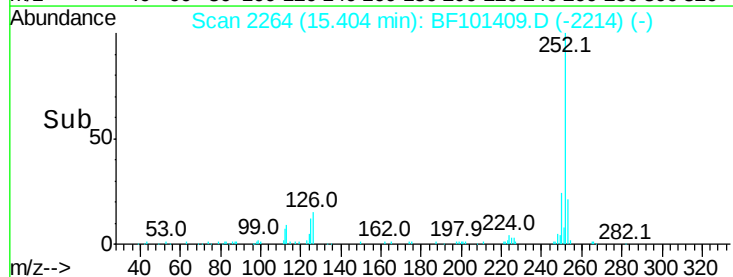
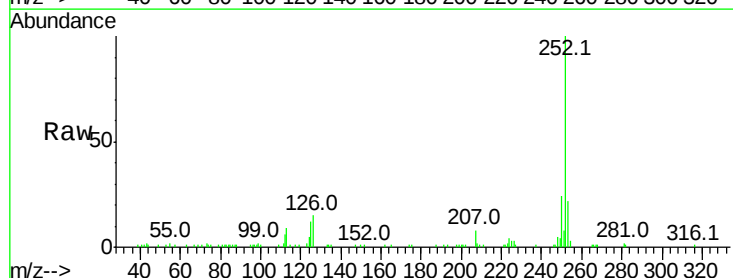
Manual Integrations
APPROVED

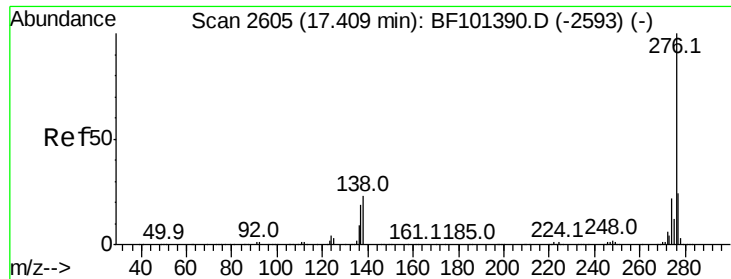
Sohil
12/15/2017 6:44:32 PM



#89
Benzo(a)pyrene
Concen: 3.805 ng/mL
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF101409.D
Acq: 14 Dec 2017 22:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	12.1	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.130 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. -0.02 min
 Lab File: BF101409.D
 Acq: 14 Dec 2017 22:30

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-02

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	27.3	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 12/15/2017 6:44:32 PM

