

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101638.D
 Acq On : 22 Dec 2017 6:41
 Operator : SJ/JU
 Sample : I6966-05
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-EW-3-0-4

Manual Integrations
 APPROVED

Sohil
 12/22/2017 12:42:30 PM

Quant Time: Dec 22 08:19:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	137901	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	521480	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	199236	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	300356	20.00	ng	0.00
75) Chrysene-d12	13.98	240	247951	20.00	ng	0.00
86) Perylene-d12	15.46	264	202280	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	308473	33.32	ng	0.00
7) Phenol-d6	6.44	99	597459	51.86	ng	0.00
23) Nitrobenzene-d5	7.36	82	356416	38.05	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	155809	81.16	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	769443	59.91	ng	0.00
78) Terphenyl-d14	12.91	244	655870	63.77	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.55	163	41037	2.561	ng	98
70) Phenanthrene	11.35	178	233095	13.955	ng	99
71) Anthracene	11.40	178	54372	3.187	ng	96
74) Fluoranthene	12.54	202	323581	18.456	ng	98
77) Pyrene	12.77	202	301667	16.211	ng	99
80) Benzo(a)anthracene	13.97	228	148052	9.043	ng	96
82) Chrysene	14.00	228	146117m	9.452	ng	
85) Indeno(1,2,3-cd)pyrene	16.94	276	55907	4.061	ng	92
87) Benzo(b)fluoranthene	15.03	252	163385m	13.252	ng	
88) Benzo(k)fluoranthene	15.05	252	42483m	3.544	ng	
89) Benzo(a)pyrene	15.39	252	98618	8.677	ng	# 69
91) Benzo(a,h,i)perylene	17.39	276	54018	5.590	ng	# 91

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

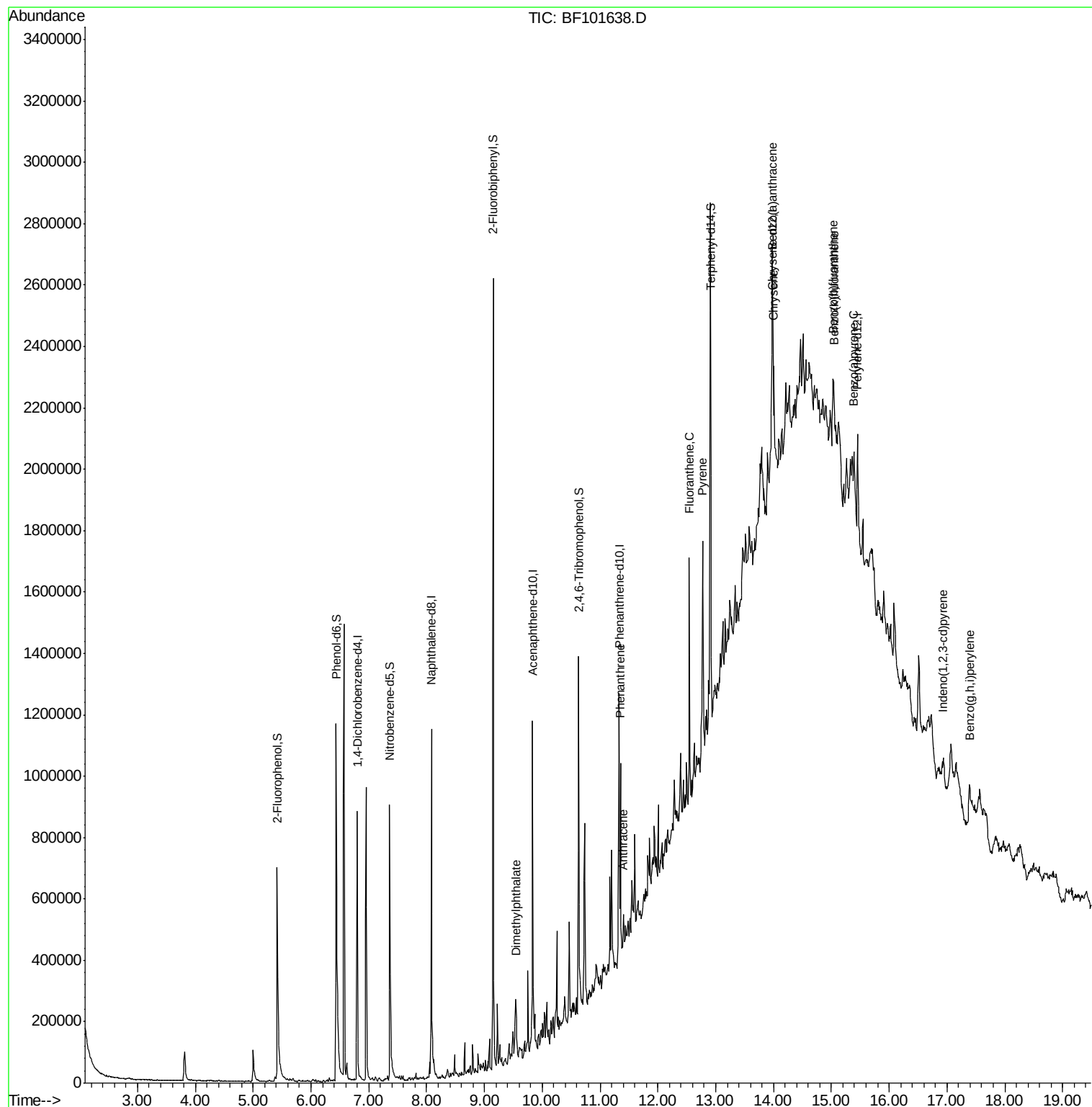
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101638.D
Acq On : 22 Dec 2017 6:41
Operator : SJ/JU
Sample : I6966-05
Misc :
ALS Vial : 40 Sample Multiplier: 1

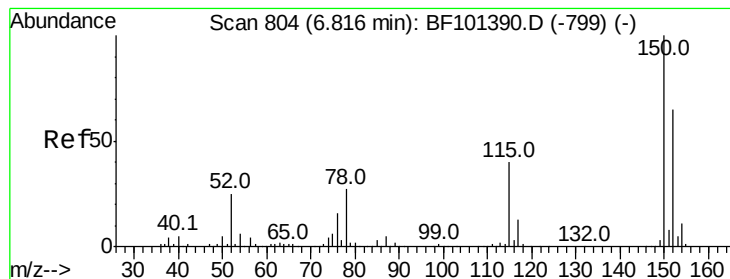
Instrument :
BNA_F
ClientSampleId :
DB-EW-3-0-4

Manual Integrations
APPROVED

Sohil
12/22/2017 12:42:30 PM

Quant Time: Dec 22 08:19:59 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 20 14:25:04 2017
Response via : Initial Calibration





#1

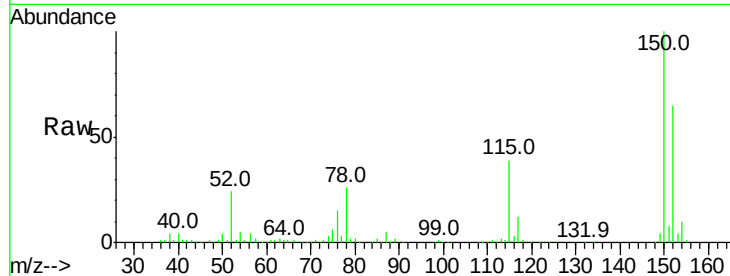
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-0-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.6	186.8
115	60.0	50.1	75.1

Manual Integrations
APPROVED

Sohil
12/22/2017 12:42:30 PM



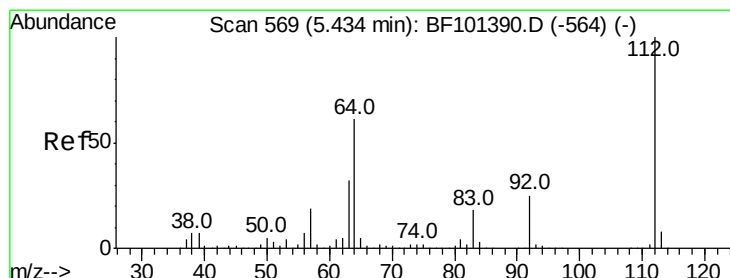
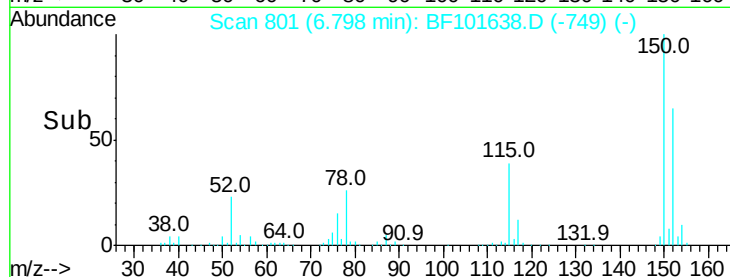
Abundance

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

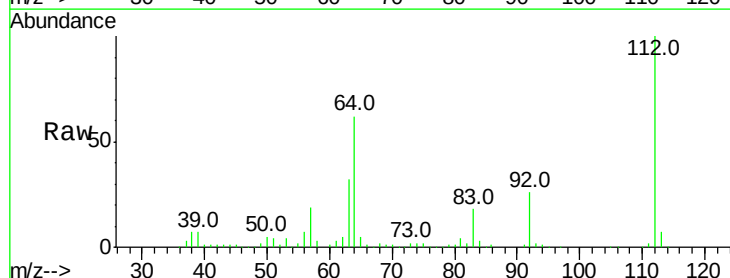
Time-->



#5

2-Fluorophenol
Concen: 33.321 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	47.9	71.9
63	32.4	23.7	35.5



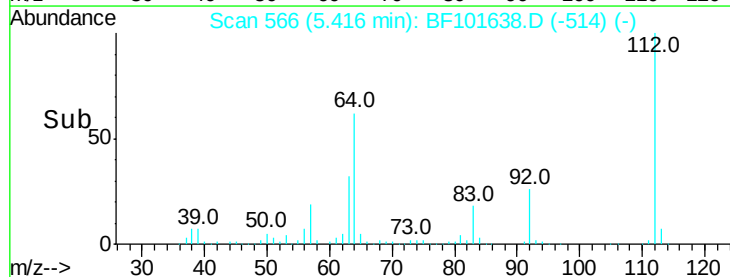
Abundance

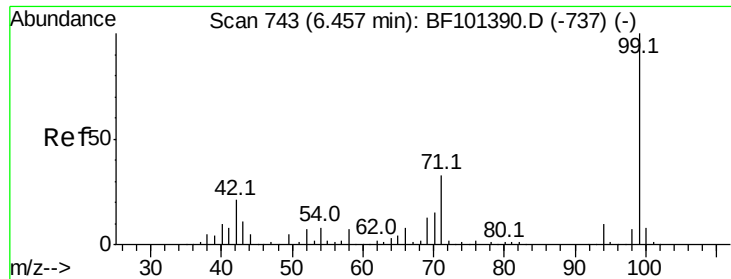
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 51.856 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Instrument :

BNA_F

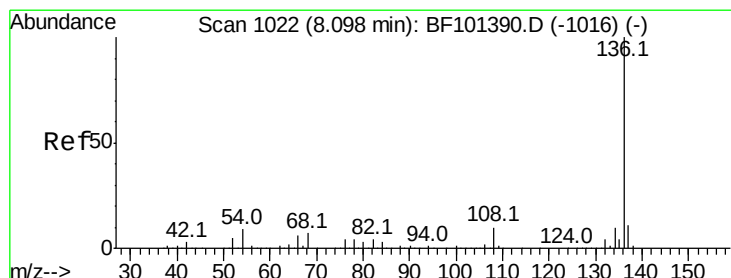
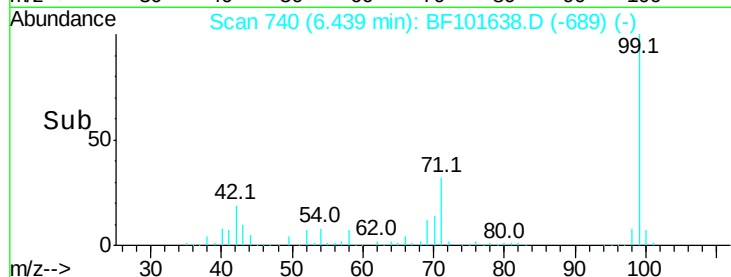
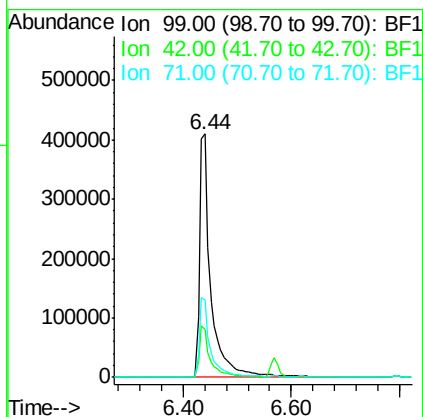
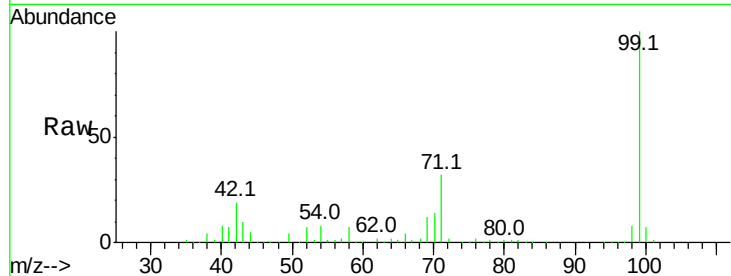
ClientSampled :

DB-EW-3-0-4

Tot Ion:	99	Resp:	597459
Ion Ratio	Lower	Upper	
99	100		
42	19.4	14.5	21.7
71	31.6	25.4	38.0

Manual Integrations
APPROVED

Sohil
12/22/2017 12:42:30 PM



#21

Naphthalene-d8

Concen: 20.000 ng

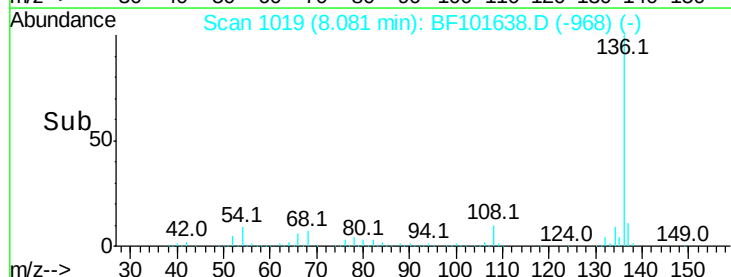
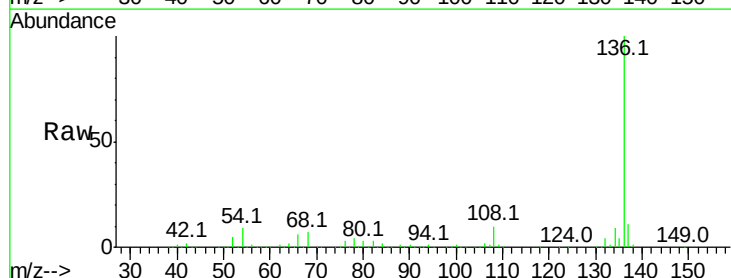
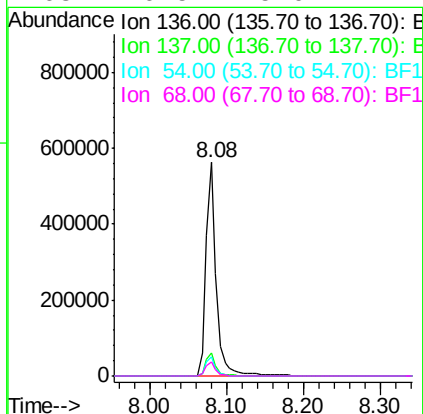
RT: 8.08 min Scan# 1019

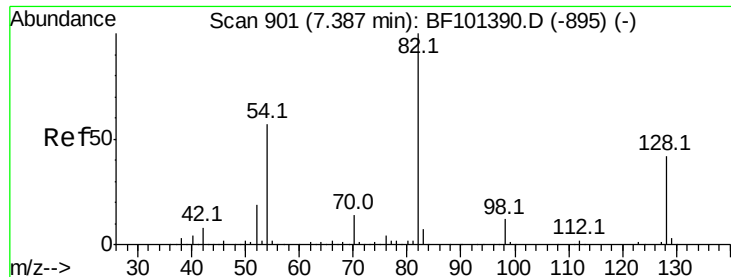
Delta R.T. -0.00 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Tgt Ion:	136	Resp:	521480
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	9.2	6.6	9.8
68	6.5	5.0	7.4





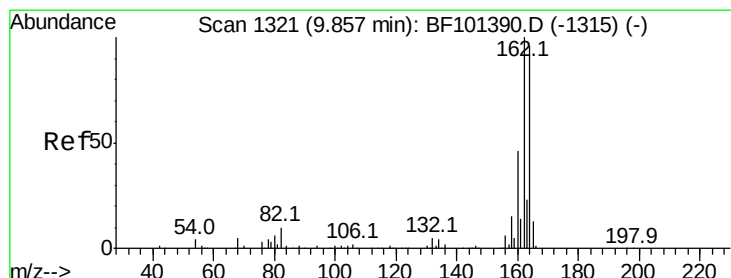
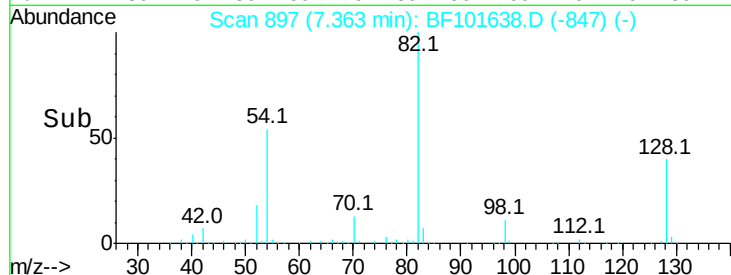
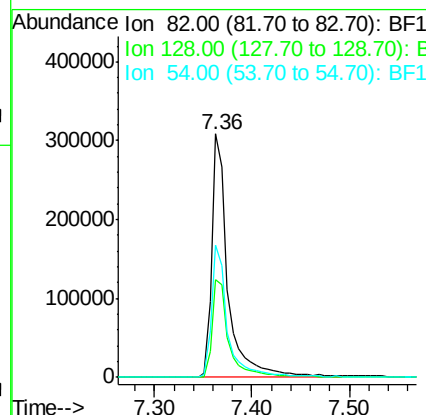
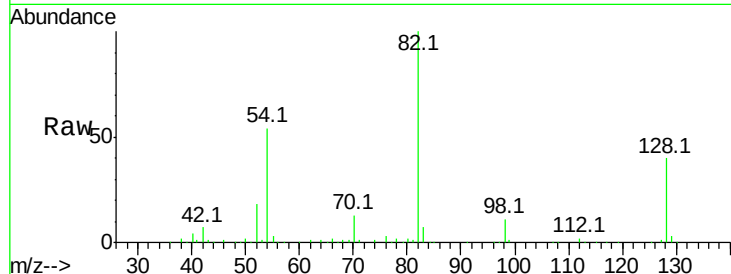
#23
Nitrobenzene-d5
Concen: 38.046 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-0-4

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.2	36.1	54.1	
54	54.4	41.4	62.2	

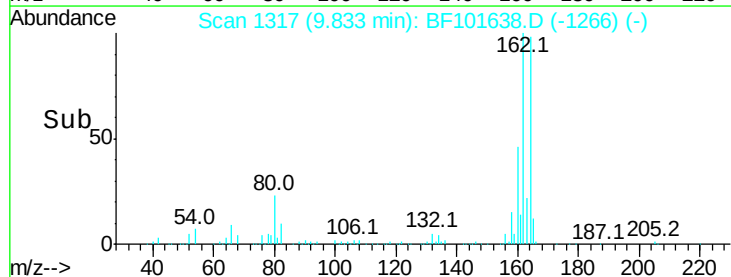
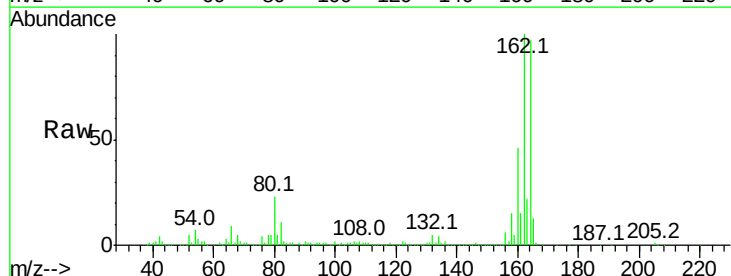
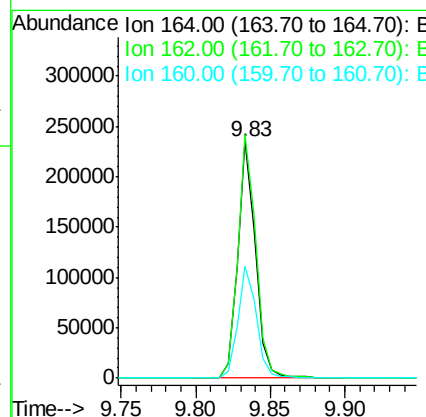
Manual Integrations
APPROVED

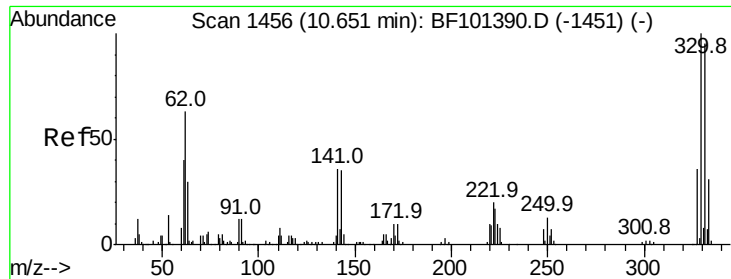
Sohil
12/22/2017 12:42:30 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	86.1	129.1	
160	47.4	38.3	57.5	





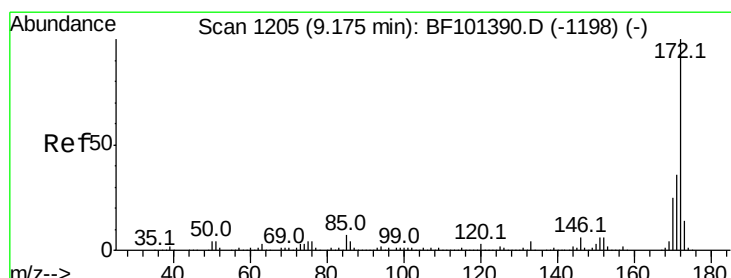
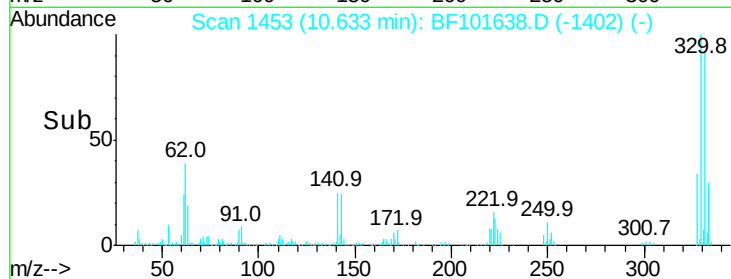
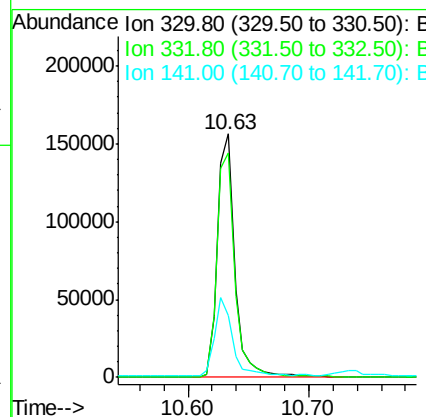
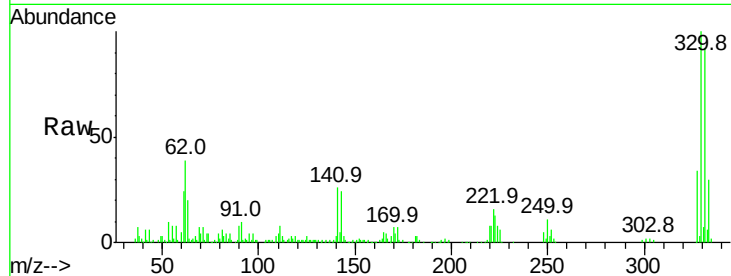
#41
 2,4,6-Tribromophenol
 Concen: 81.159 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF101638.D
 Acq: 22 Dec 2017 6:41

Instrument :
 BNA_F
 ClientSampleId :
 DB-EW-3-0-4

Tot Ion:	330	Resp:	155809
Ion Ratio	Lower	Upper	
330	100		
332	95.3	77.0	115.6
141	32.0	29.9	44.9

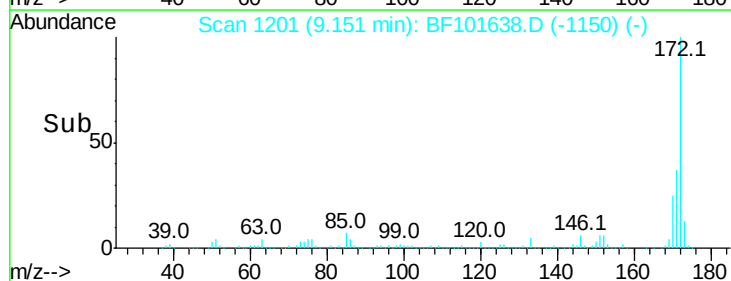
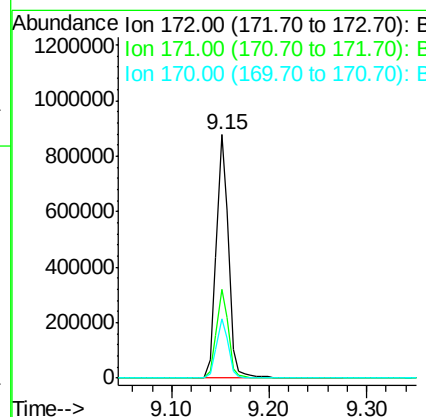
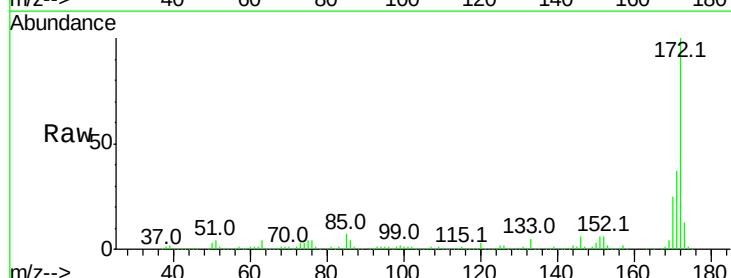
Manual Integrations
 APPROVED

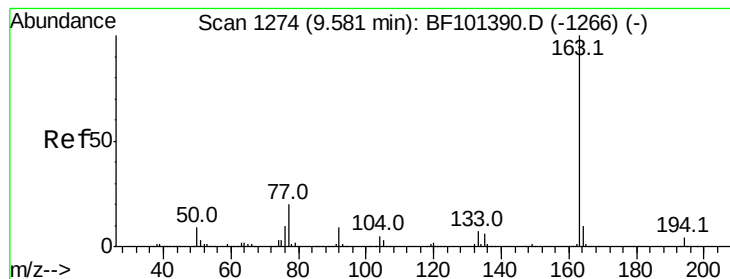
Sohil
 12/22/2017 12:42:30 PM



#44
 2-Fluorobiphenyl
 Concen: 59.908 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF101638.D
 Acq: 22 Dec 2017 6:41

Tgt Ion:	172	Resp:	769443
Ion Ratio	Lower	Upper	
172	100		
171	36.5	29.7	44.5
170	24.5	19.6	29.4





#49

Dimethylphthalate

Concen: 2.561 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Instrument :

BNA_F

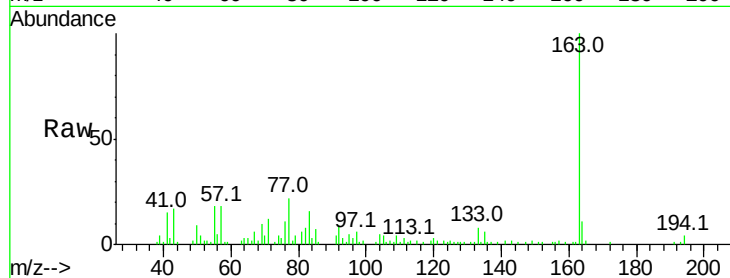
ClientSampleId :

DB-EW-3-0-4

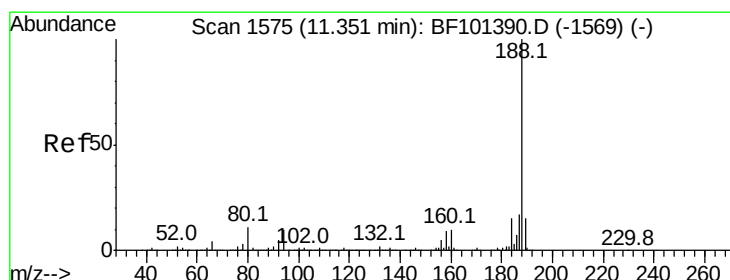
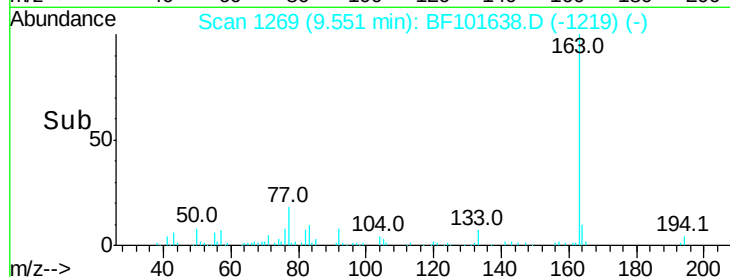
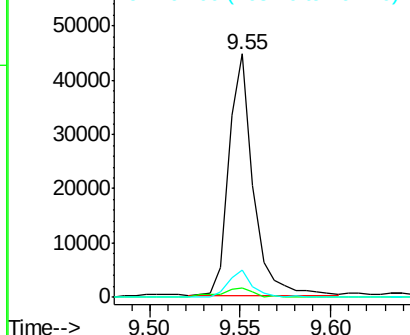
Tot Ion:	163	Resp:	41037
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	11.0	8.2	12.2

Manual Integrations
APPROVED

Sohil
12/22/2017 12:42:30 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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

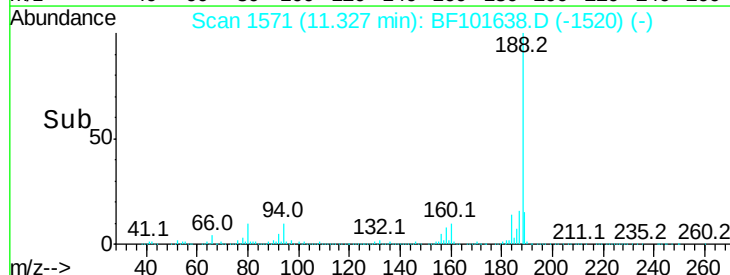
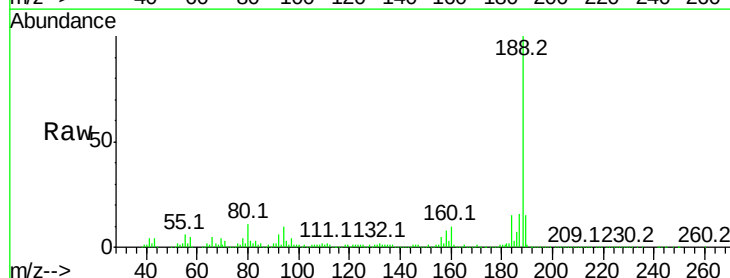
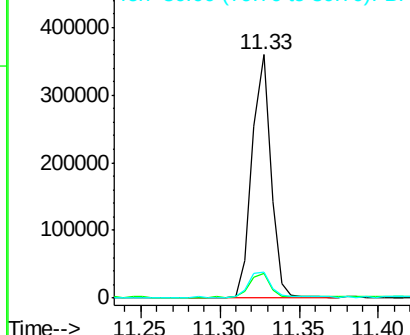
Delta R.T. -0.00 min

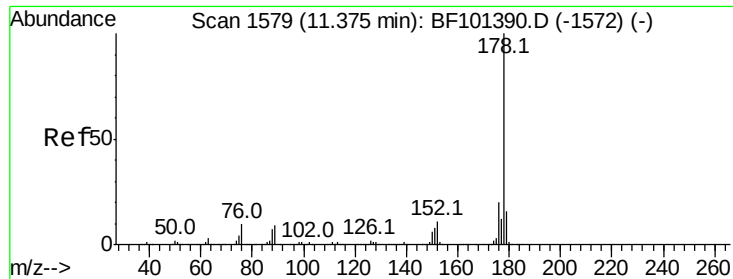
Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Tgt Ion:	188	Resp:	300356
Ion Ratio	Lower	Upper	
188	100		
94	10.1	8.5	12.7
80	10.8	9.2	13.8

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





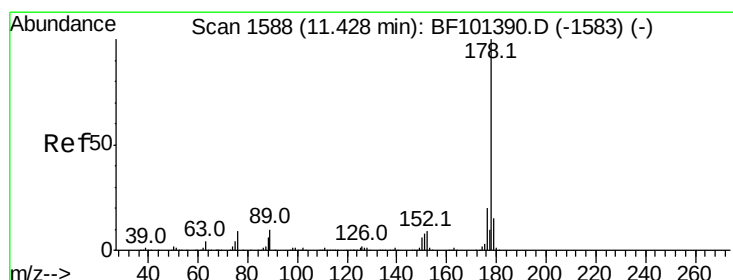
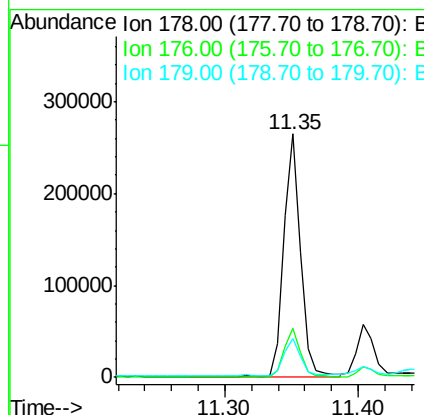
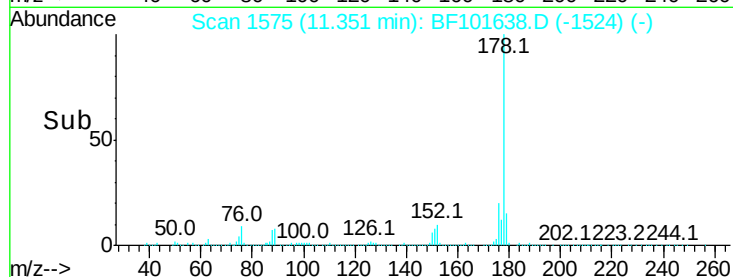
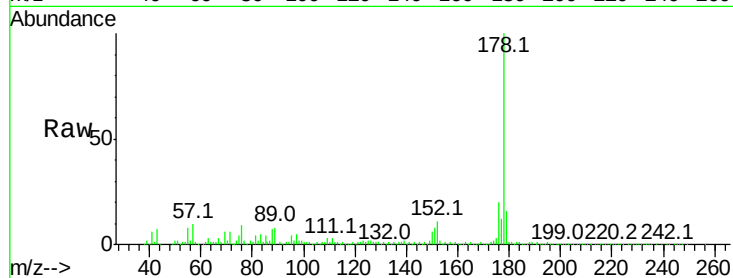
#70
Phenanthrene
Concen: 13.955 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-0-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.9	13.0	19.6

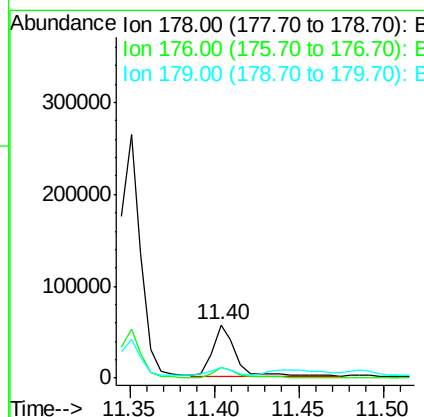
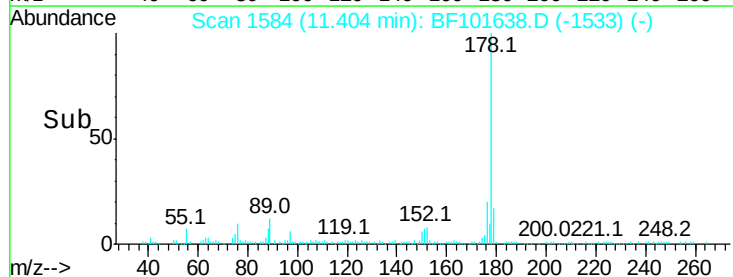
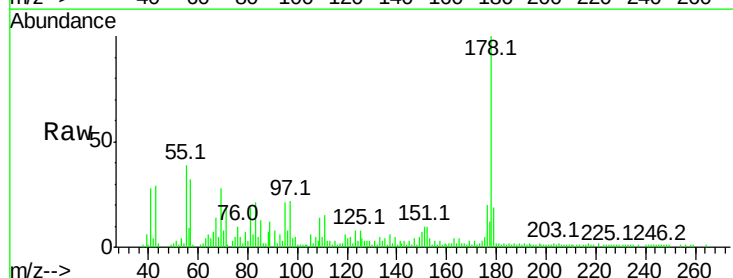
Manual Integrations
APPROVED

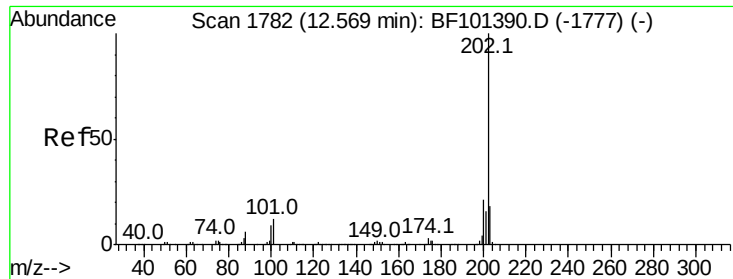
Sohil
12/22/2017 12:42:30 PM



#71
Anthracene
Concen: 3.187 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.4	23.2
179	18.9	12.6	19.0





#74

Fluoranthene

Concen: 18.456 ng

RT: 12.54 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Instrument :

BNA_F

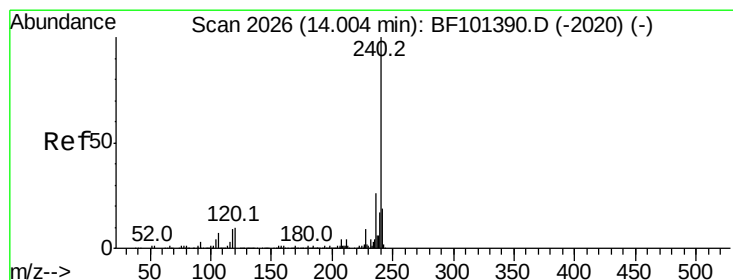
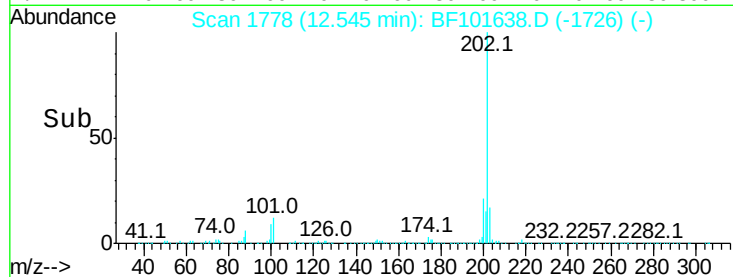
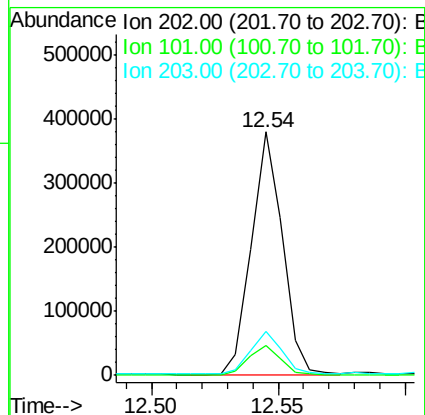
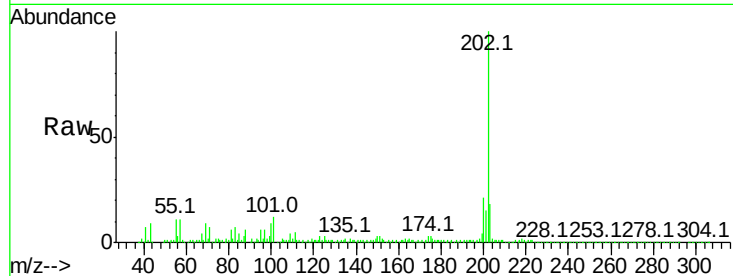
ClientSampleId :

DB-EW-3-0-4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.1	0.0	34.1
203	17.9	0.0	38.1

Manual Integrations
APPROVED

Sohil
12/22/2017 12:42:30 PM



#75

Chrysene-d12

Concen: 20.000 ng

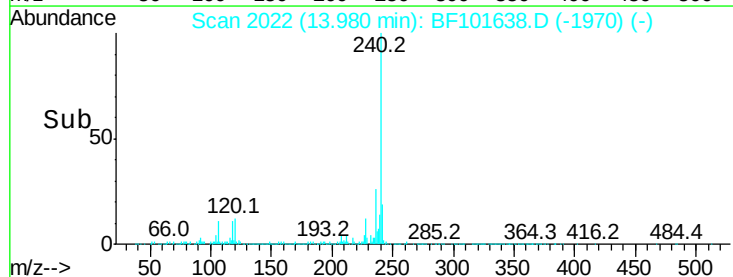
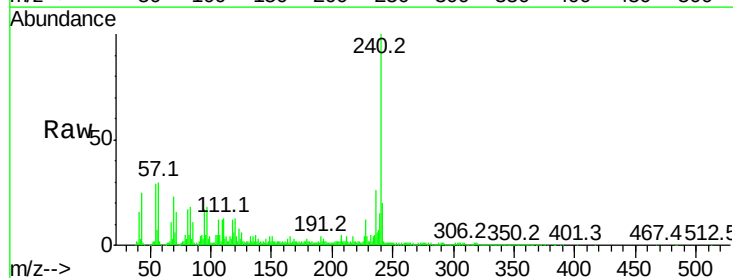
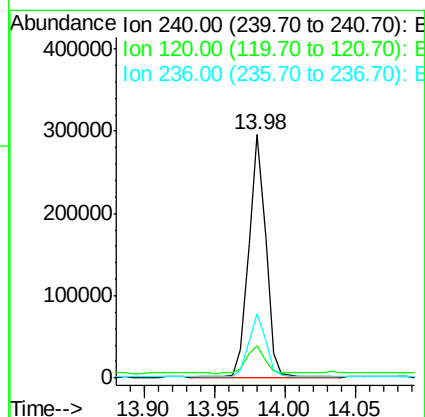
RT: 13.98 min Scan# 2022

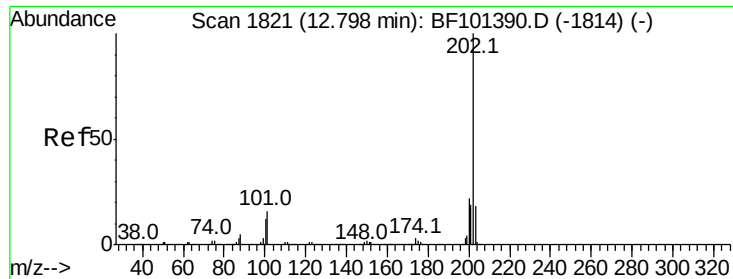
Delta R.T. 0.01 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.4	9.5	14.3
236	26.4	20.7	31.1





#77

Pvrene

Concen: 16.211 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Instrument :

BNA_F

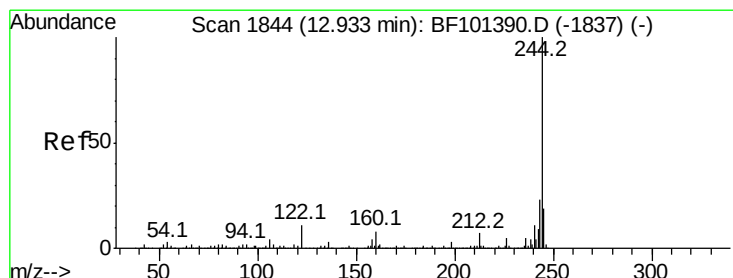
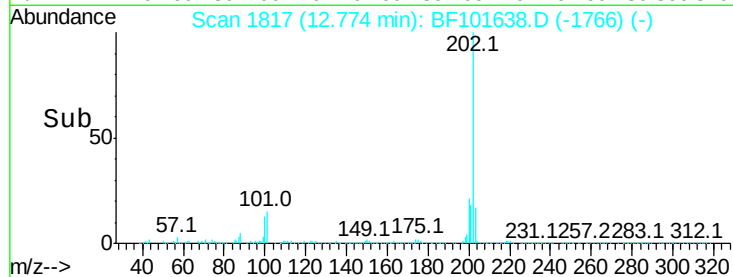
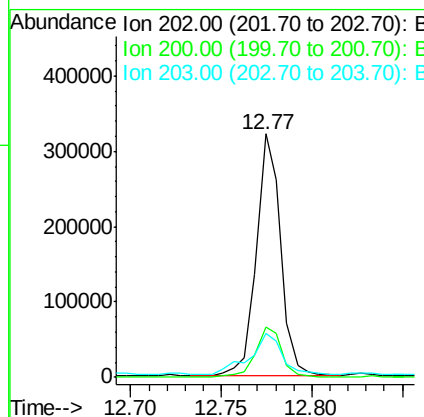
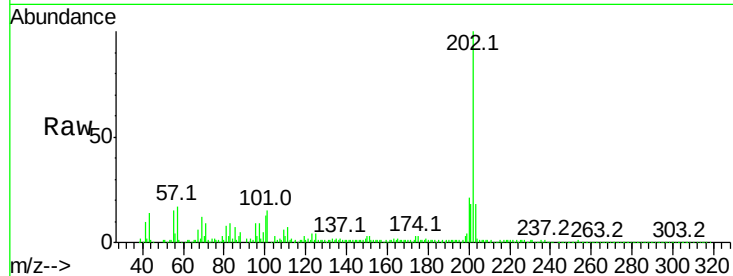
ClientSampleId :

DB-EW-3-0-4

Tot Ion:	202	Resp:	301667
Ion Ratio		Lower	Upper
202	100		
200	20.8	17.4	26.2
203	18.2	14.3	21.5

Manual Integrations
APPROVED

Sohil
12/22/2017 12:42:30 PM



#78

Terphenyl-d14

Concen: 63.769 ng

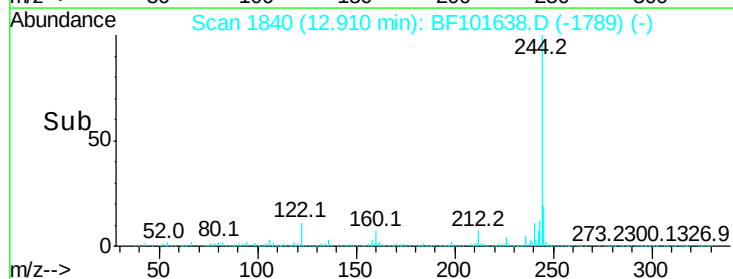
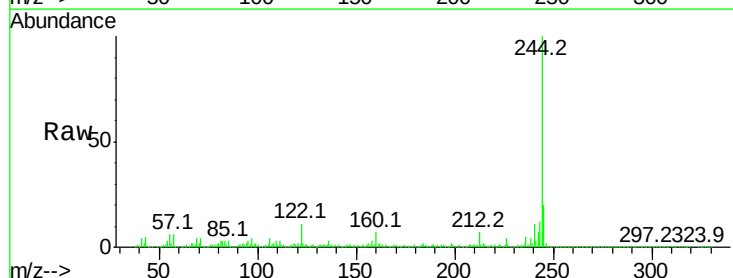
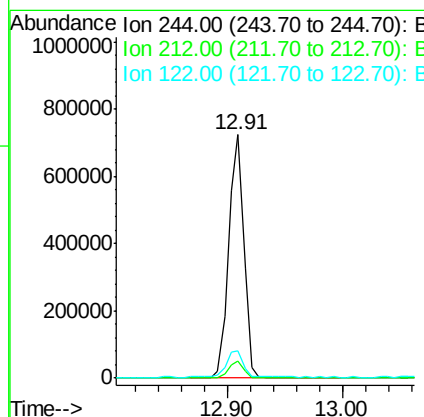
RT: 12.91 min Scan# 1840

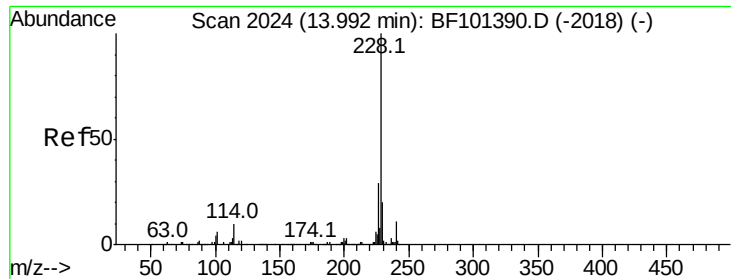
Delta R.T. -0.00 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Tgt Ion:	244	Resp:	655870
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.4	11.0	16.4





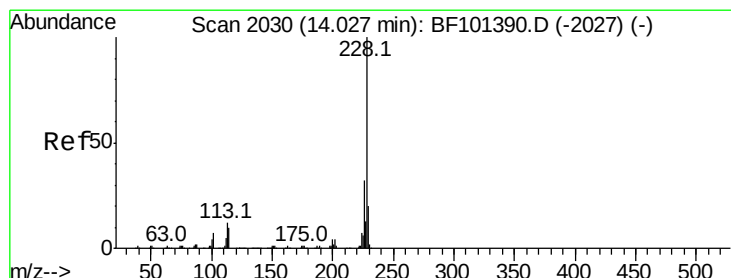
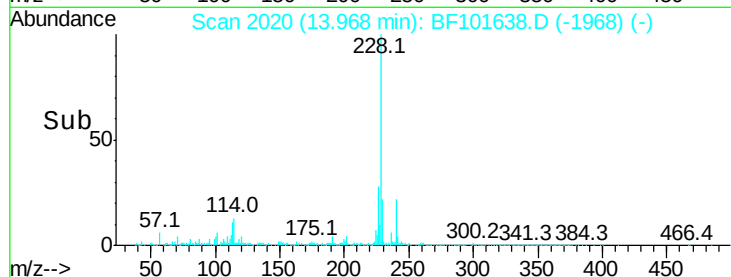
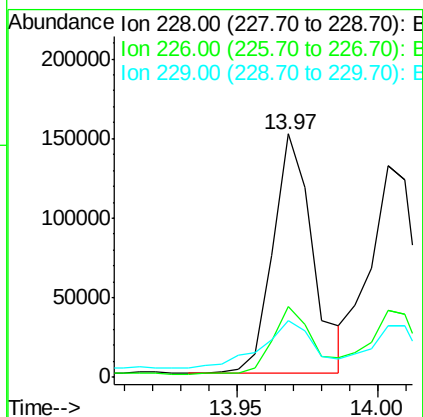
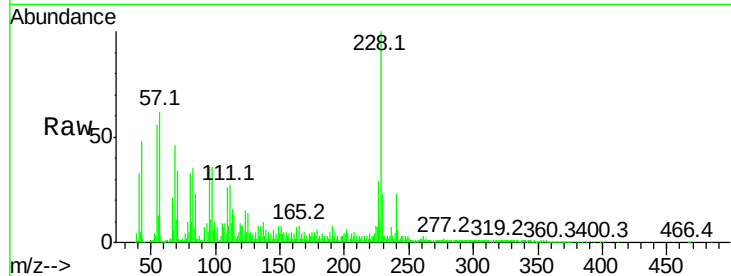
#80
Benzo(a)anthracene
Concen: 9.043 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-0-4

Tot Ion	Ratio	Resp	Lower	Upper
228	100	148052		
226	29.1		22.6	33.8
229	23.3		15.8	23.6

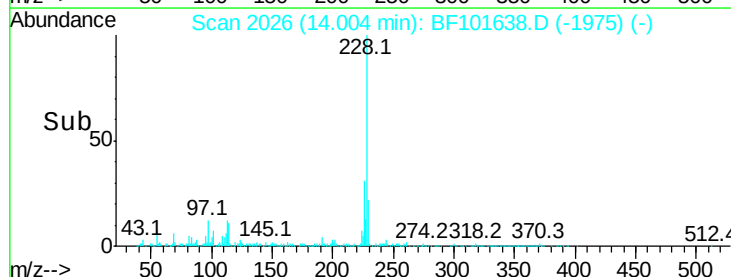
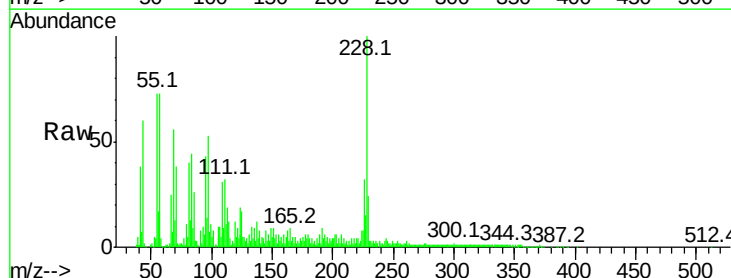
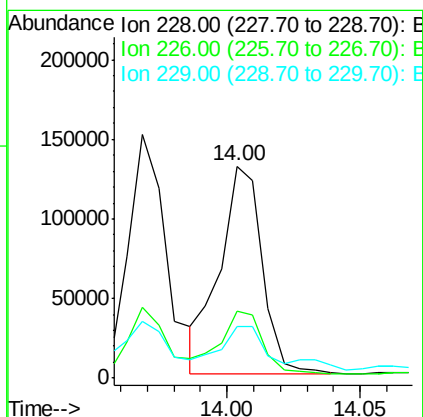
Manual Integrations
APPROVED

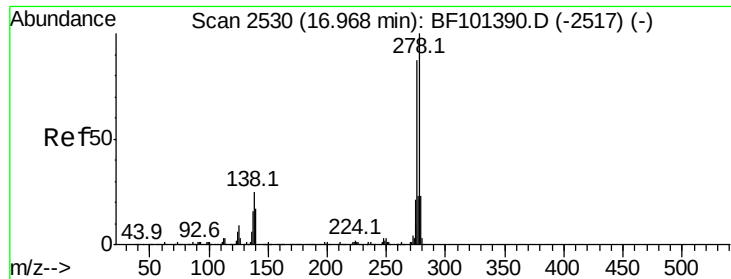
Sohil
12/22/2017 12:42:30 PM



#82
Chrysene
Concen: 9.452 ng m
RT: 14.00 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	146117		
226	31.9		25.0	37.6
229	24.5		16.2	24.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.061 ng

RT: 16.94 min Scan# 2525

Delta R.T. 0.02 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Instrument :

BNA_F

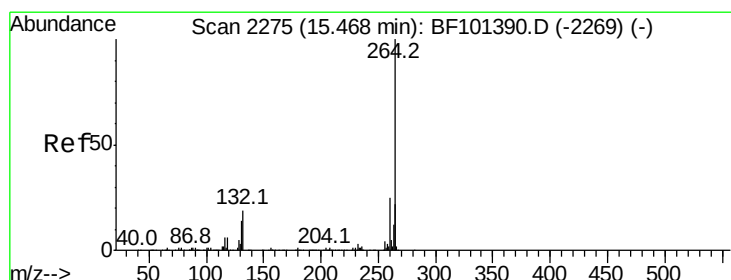
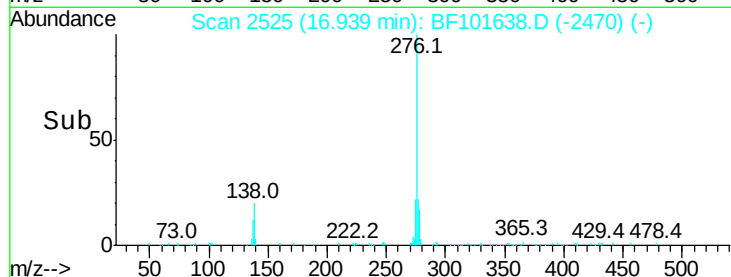
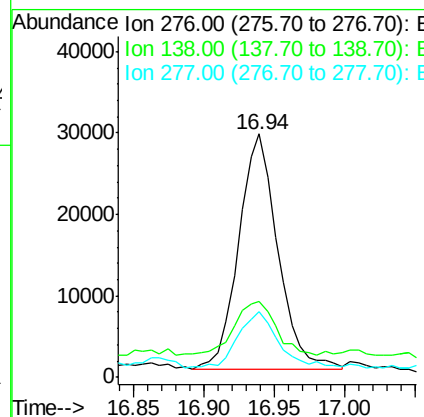
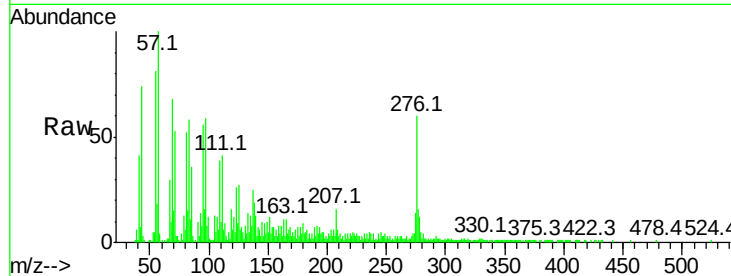
ClientSampleId :

DB-EW-3-0-4

Tot Ion:	276	Resp:	55907
Ion Ratio	Lower	Upper	
276	100		
138	25.1	25.0	37.6
277	22.8	20.1	30.1

Manual Integrations
APPROVED

Sohil
12/22/2017 12:42:30 PM



#86

Perylene-d12

Concen: 20.000 ng

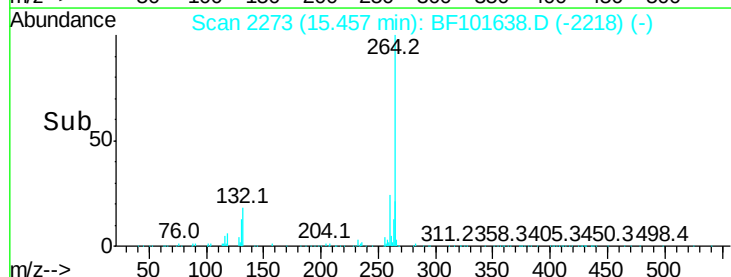
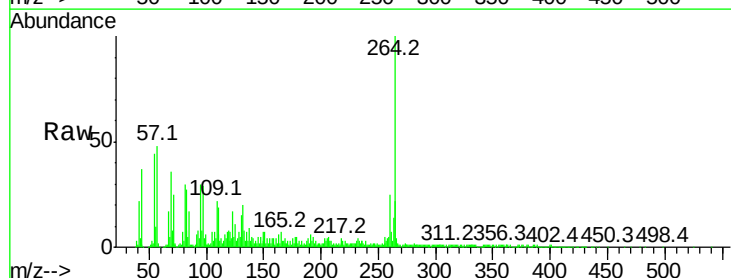
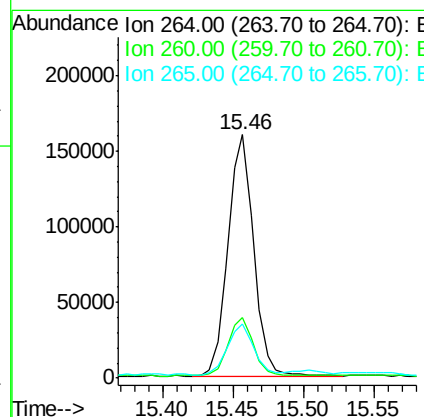
RT: 15.46 min Scan# 2273

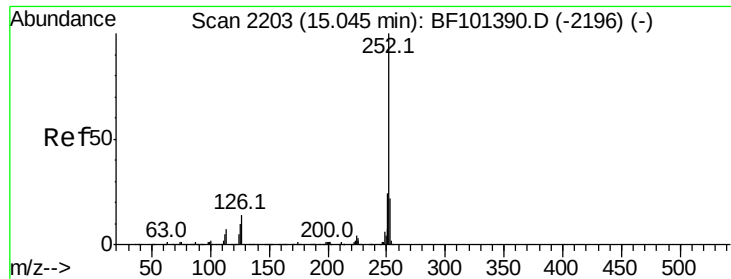
Delta R.T. 0.02 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Tgt Ion:	264	Resp:	202280
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.2	28.8
265	22.4	17.5	26.3





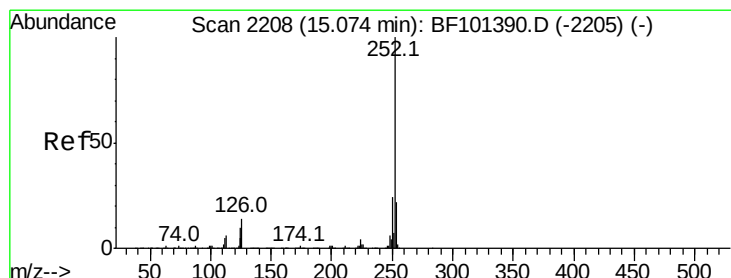
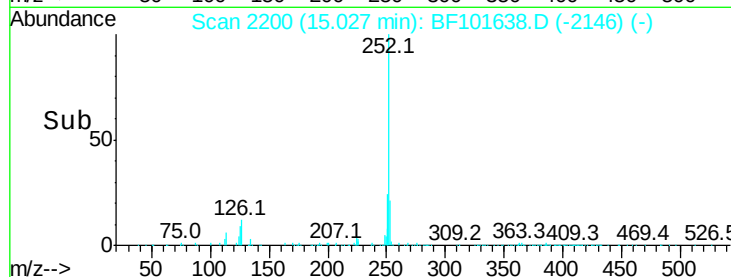
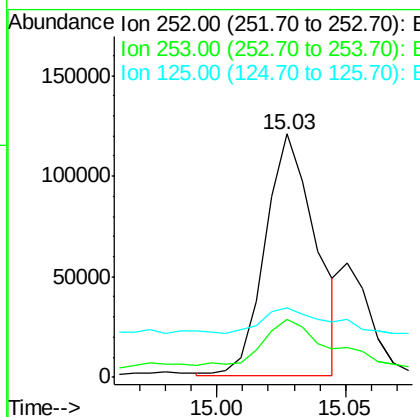
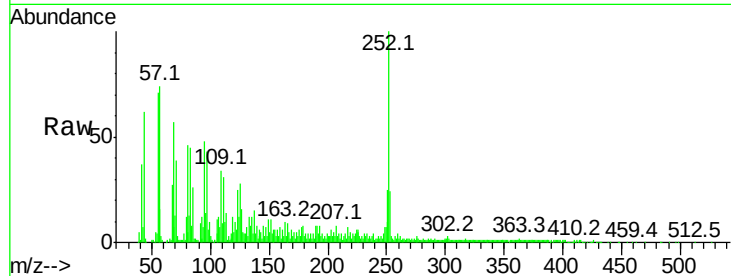
#87
Benzo(b)fluoranthene
Concen: 13.252 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.02 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-0-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	28.3	9.0	13.6

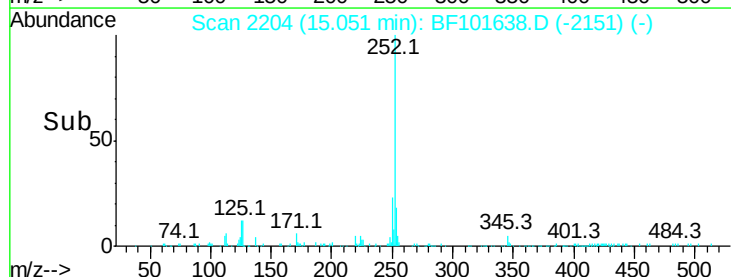
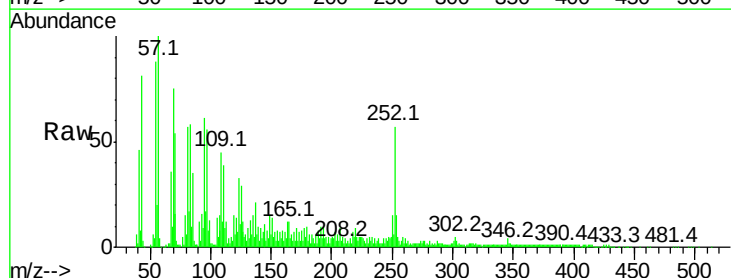
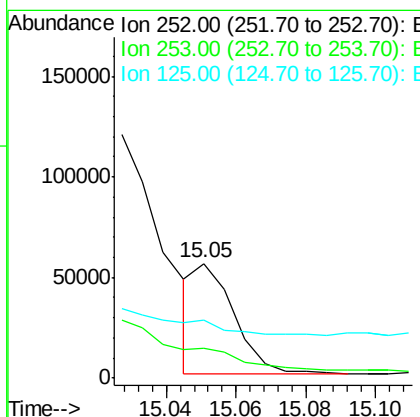
Manual Integrations
APPROVED

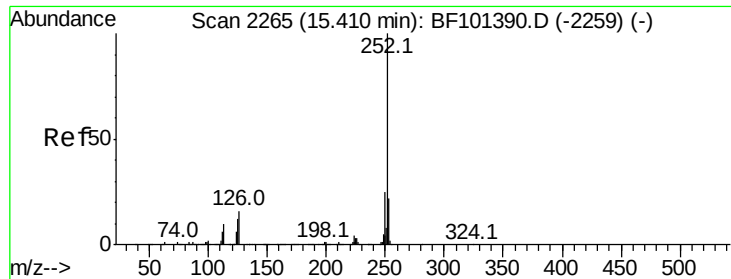
Sohil
12/22/2017 12:42:30 PM



#88
Benzo(k)fluoranthene
Concen: 3.544 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.9	26.9
125	50.1	10.2	15.2





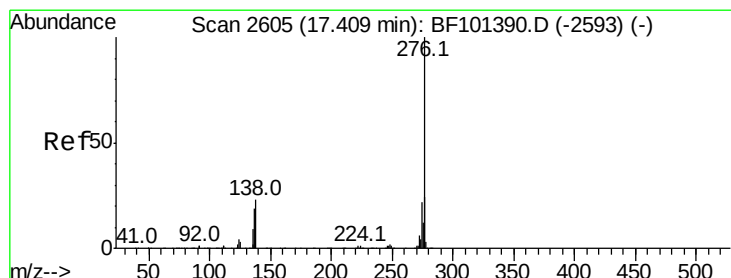
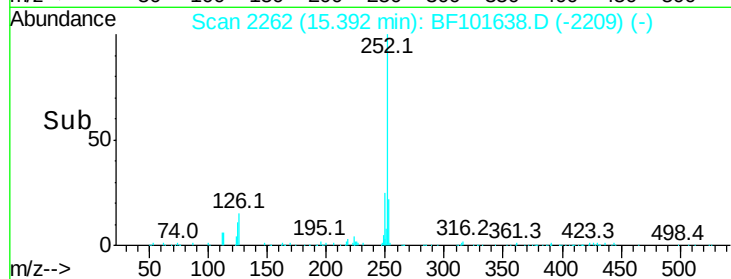
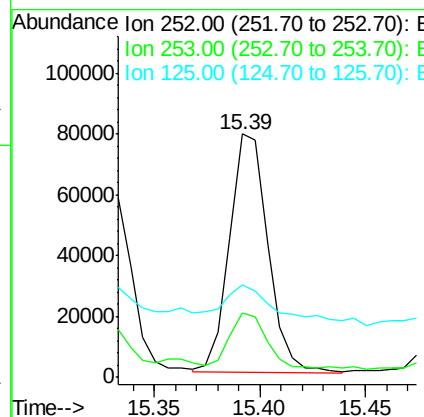
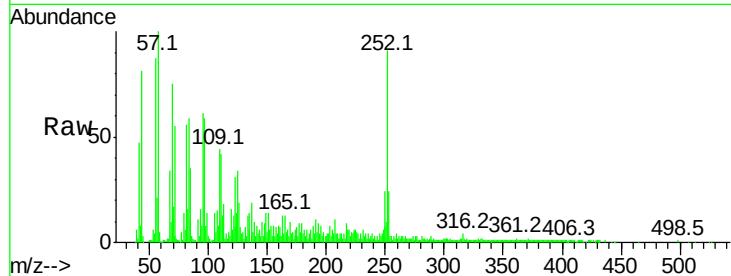
#89
Benzo(a)pyrene
Concen: 8.677 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-0-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.1	25.7#
125	37.9	9.8	14.6#

Manual Integrations
APPROVED

Sohil
12/22/2017 12:42:30 PM



#91
Benzo(g,h,i)perylene
Concen: 5.590 ng
RT: 17.39 min Scan# 2601
Delta R.T. 0.04 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.3	17.9	26.9#
138	31.0	21.8	32.8

