

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030818\
 Data File : BF103528.D
 Acq On : 8 Mar 2018 20:29
 Operator : SJ/JU
 Sample : J1823-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MHB-WCA

Manual Integrations
 APPROVED

Sohil
 3/9/2018 11:39:42 AM

Quant Time: Mar 09 00:57:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 08 14:20:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	122565	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	516036	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	195211	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	294555	20.00	ng	0.00
75) Chrysene-d12	14.06	240	217899	20.00	ng	0.00
86) Perylene-d12	15.57	264	158137	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	124238	15.33	ng	0.01
7) Phenol-d6	6.52	99	187579	18.92	ng	0.01
23) Nitrobenzene-d5	7.45	82	114869	12.71	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	20293	12.28	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	199523	12.74	ng	0.00
78) Terphenyl-d14	12.98	244	139445	15.38	ng	0.00
Target Compounds						
70) Phenanthrene	11.43	178	123479	7.617	ng	97
71) Anthracene	11.49	178	41885	2.520	ng	97
73) Di-n-butylphthalate	11.95	149	58056	2.803	ng	100
74) Fluoranthene	12.62	202	172293	10.577	ng	98
77) Pyrene	12.86	202	146944	8.649	ng	99
80) Benzo(a)anthracene	14.05	228	54165m	3.831	ng	
82) Chrysene	14.09	228	55720	4.059	ng	98
87) Benzo(b)fluoranthene	15.13	252	47502m	4.569	ng	
89) Benzo(a)pyrene	15.50	252	31678	3.412	ng	# 66
91) Benzo(g,h,i)perylene	17.60	276	16012	2.284	ng	# 76

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

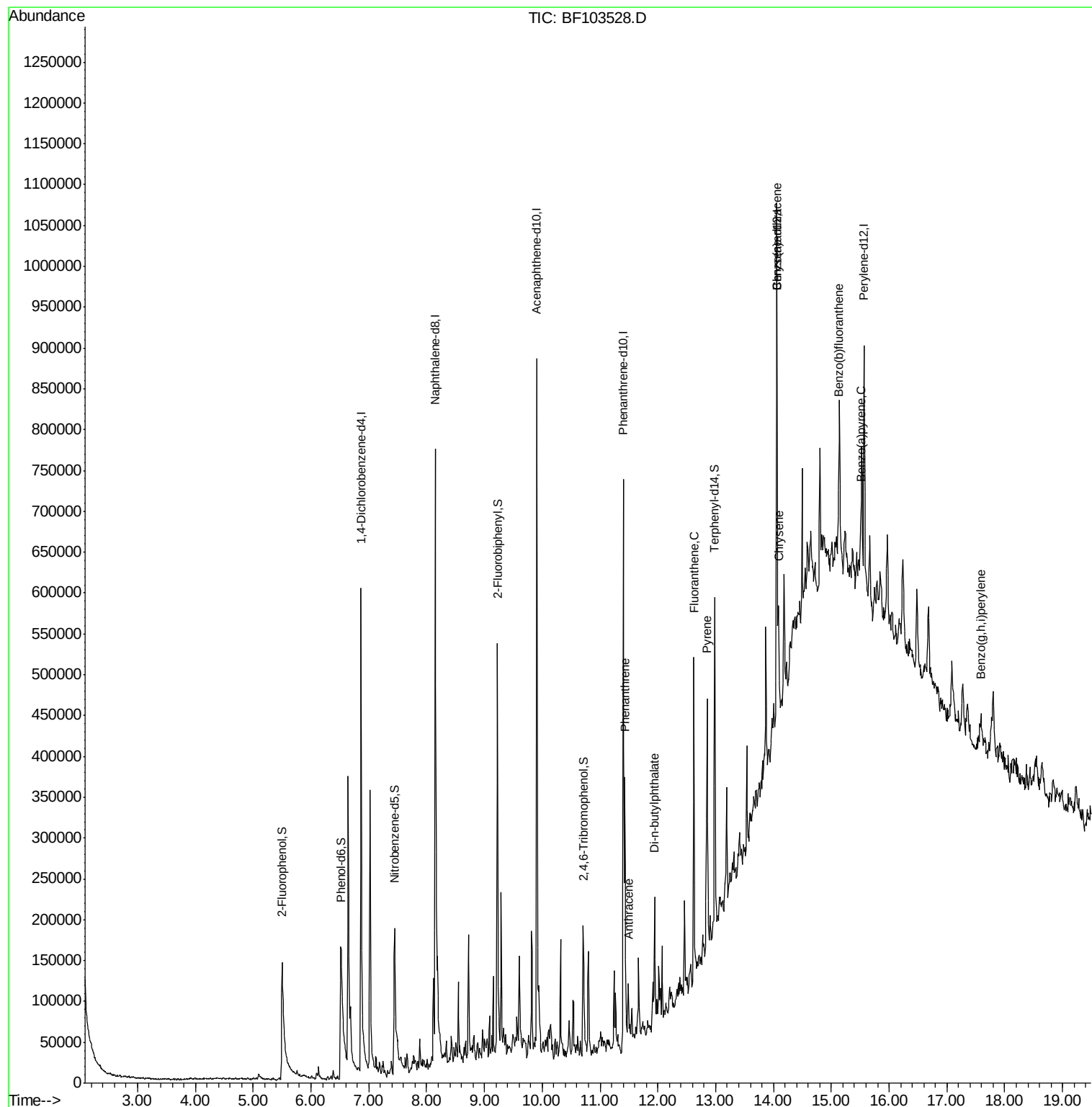
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103528.D
Acq On : 8 Mar 2018 20:29
Operator : SJ/JU
Sample : J1823-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

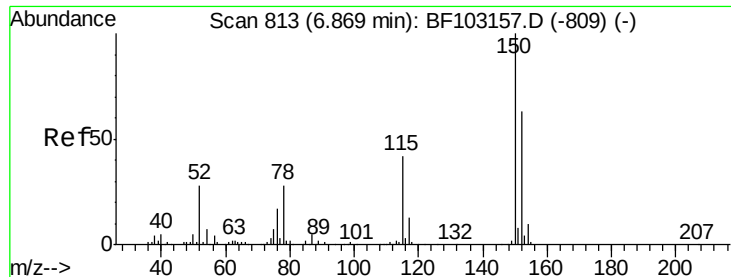
Instrument :
BNA_F
ClientSampleId :
MHB-WCA

Manual Integrations
APPROVED

Sohil
3/9/2018 11:39:42 AM

Quant Time: Mar 09 00:57:03 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 08 14:20:19 2018
Response via : Initial Calibration





#1

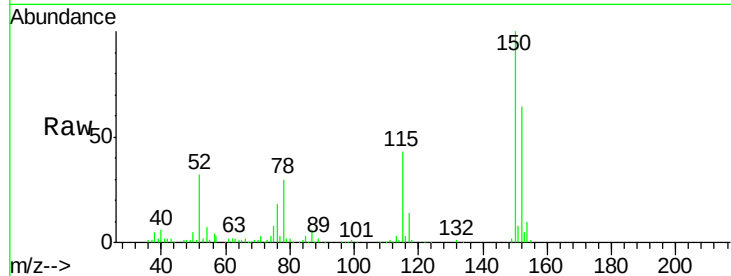
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Instrument :
BNA_F
ClientSampleId :
MHB-WCA

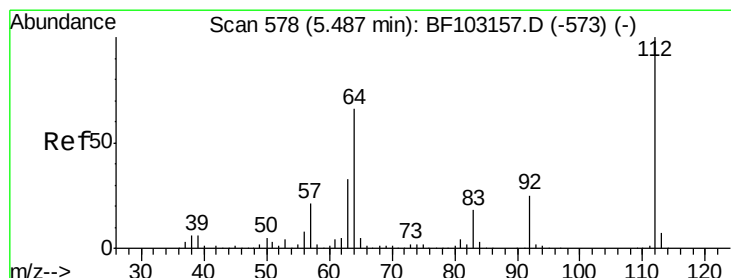
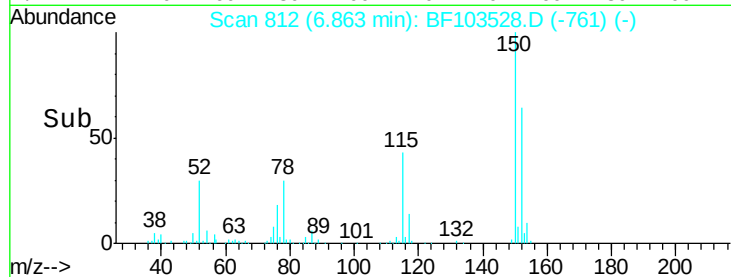
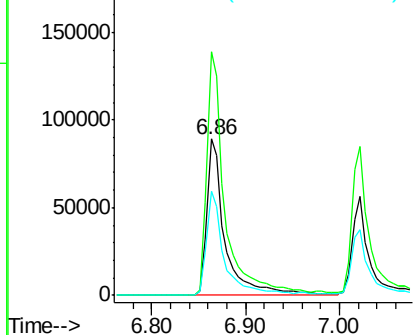
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	66.5	50.1	75.1

Manual Integrations
APPROVED

Sohil
3/9/2018 11:39:42 AM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E

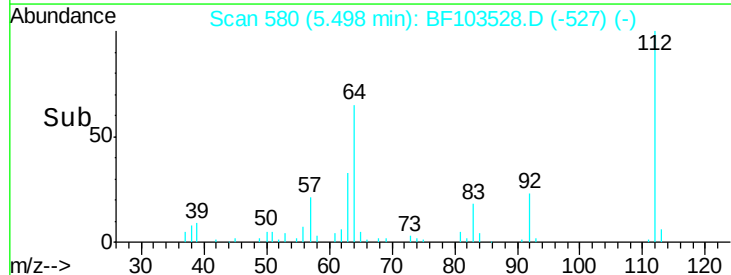
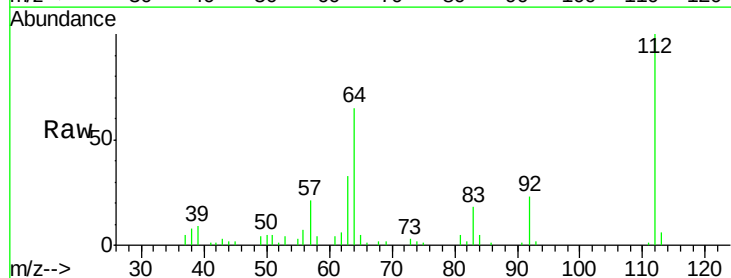
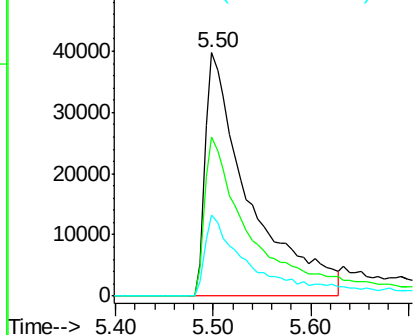


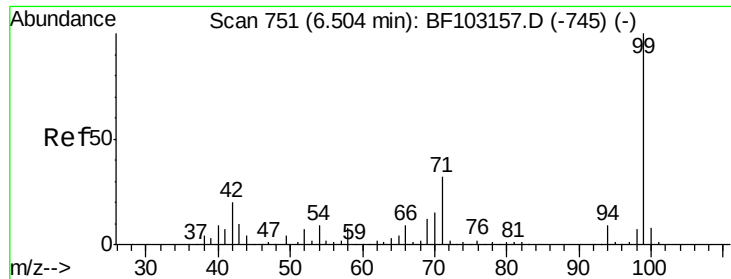
#5

2-Fluorophenol
Concen: 15.331 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	47.9	71.9
63	33.3	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





#7

Phenol-d6

Concen: 18.916 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103528.D

Acq: 8 Mar 2018 20:29

Instrument :

BNA_F

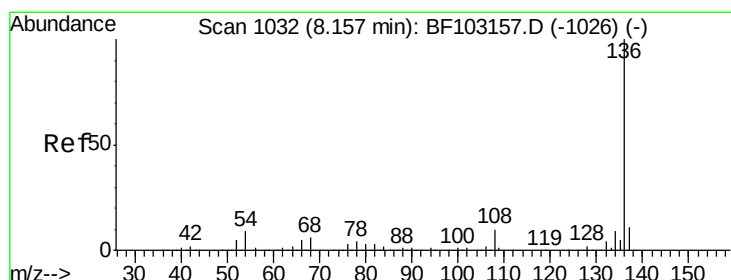
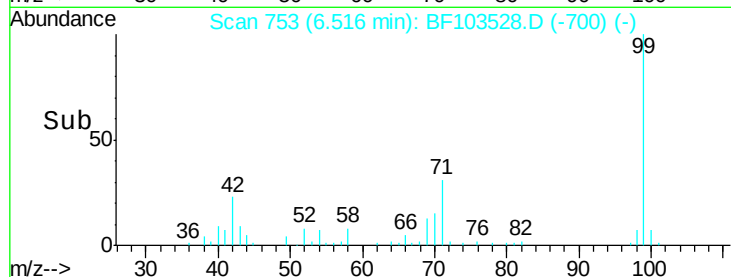
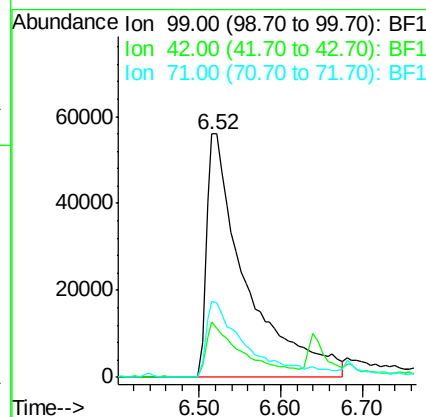
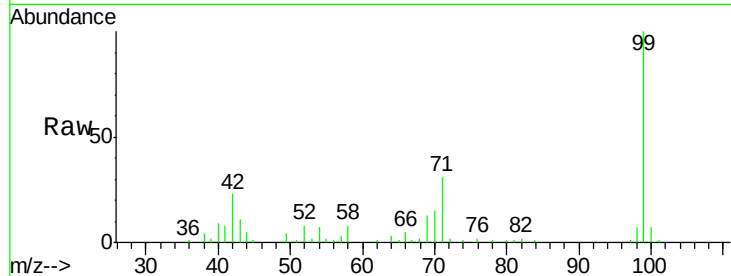
ClientSampleId :

MHB-WCA

Tot Ion:	99	Resp:	187579
Ion Ratio	Lower	Upper	
99	100		
42	22.7	14.5	21.7#
71	31.4	25.4	38.0

Manual Integrations
APPROVED

Sohil
3/9/2018 11:39:42 AM



#21

Naphthalene-d8

Concen: 20.000 ng

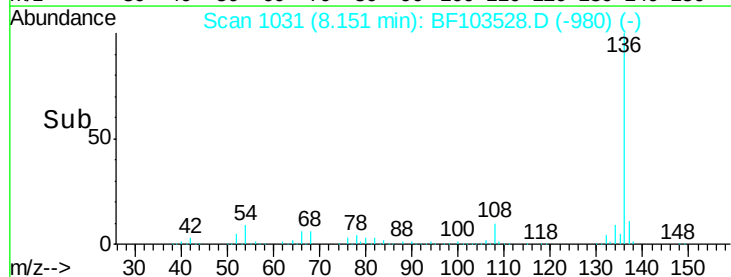
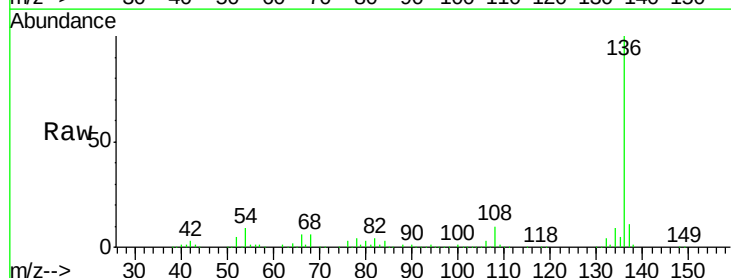
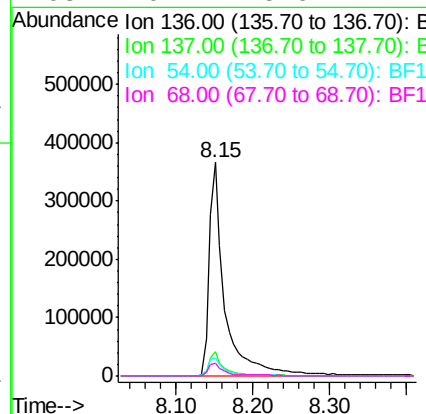
RT: 8.15 min Scan# 1031

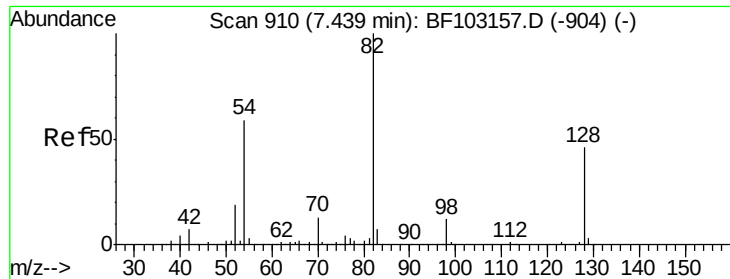
Delta R.T. 0.00 min

Lab File: BF103528.D

Acq: 8 Mar 2018 20:29

Tgt Ion:	136	Resp:	516036
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.5	6.6	9.8
68	6.2	5.0	7.4





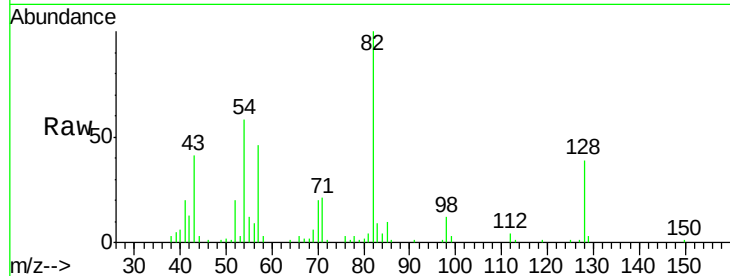
#23
 Nitrobenzene-d5
 Concen: 12.712 ng
 RT: 7.45 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: BF103528.D
 Acq: 8 Mar 2018 20:29

Instrument :
 BNA_F
 ClientSampleID :
 MHB-WCA

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.8	36.1	54.1
54	58.0	41.4	62.2

Manual Integrations
 APPROVED

Sohil
 3/9/2018 11:39:42 AM

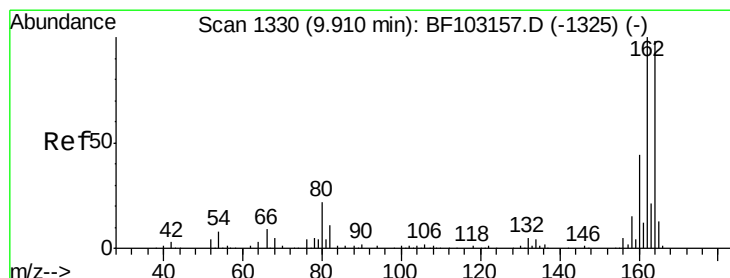
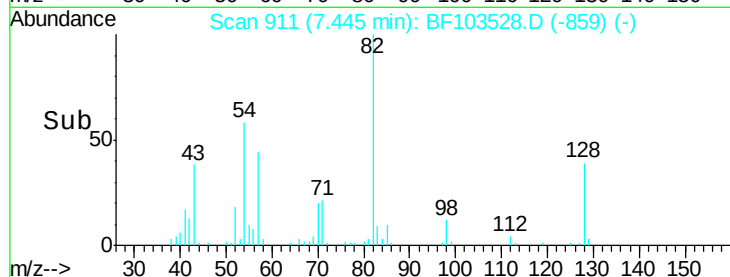
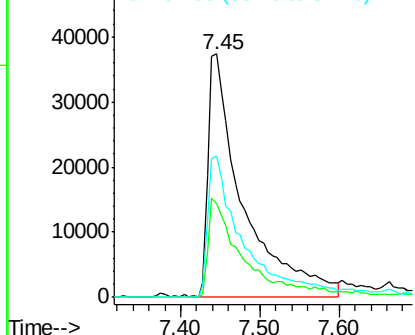


Abundance

Ion 82.00 (81.70 to 82.70): BF1

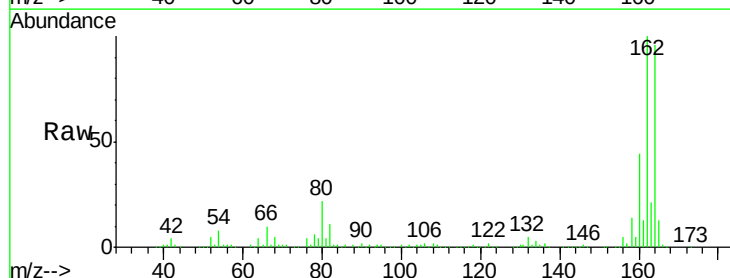
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: BF103528.D
 Acq: 8 Mar 2018 20:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	86.1	129.1
160	46.3	38.3	57.5

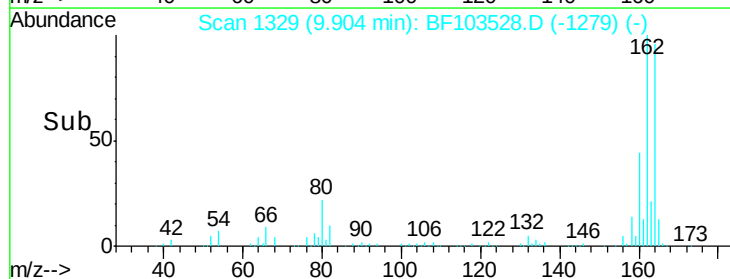
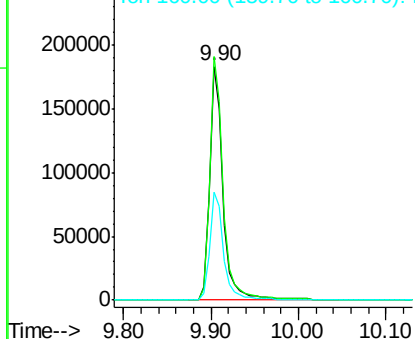


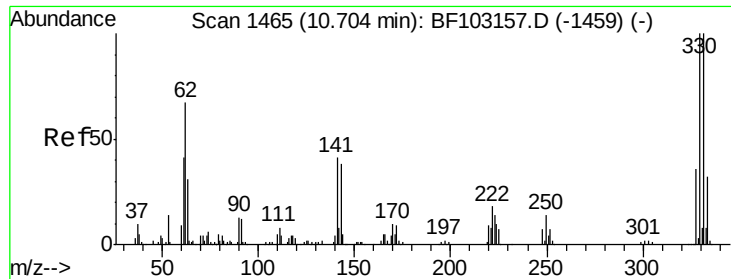
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 12.281 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.01 min

Lab File: BF103528.D

Acq: 8 Mar 2018 20:29

Instrument :

BNA_F

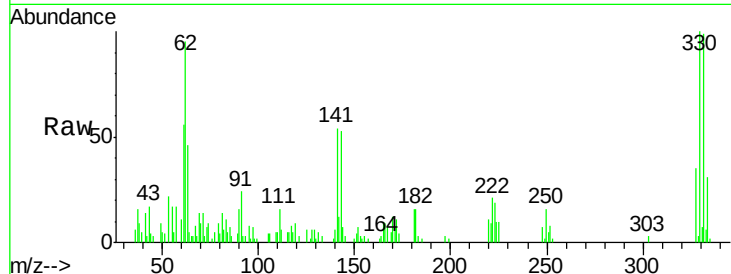
ClientSampleId :

MHB-WCA

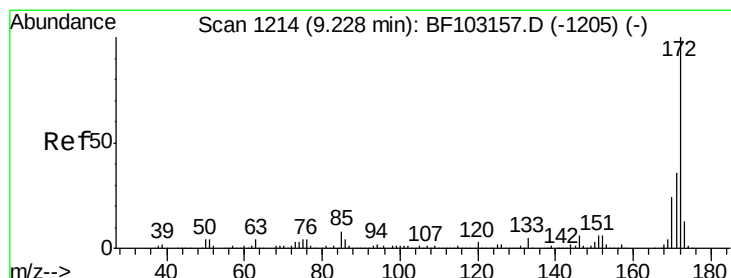
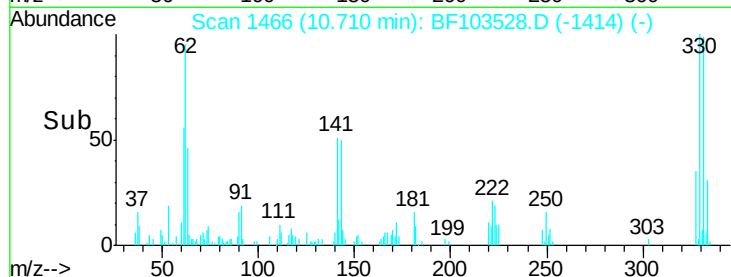
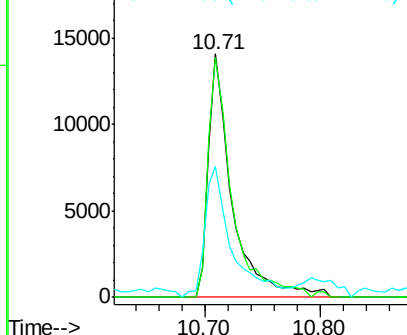
Tot Ion	Ratio	Lower	Upper
330	100		
332	99.0	77.0	115.6
141	60.7	29.9	44.9

Manual Integrations
APPROVED

Sohil
3/9/2018 11:39:42 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: 12.736 ng

RT: 9.22 min Scan# 1213

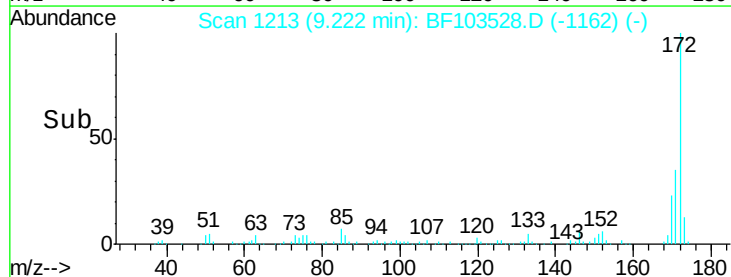
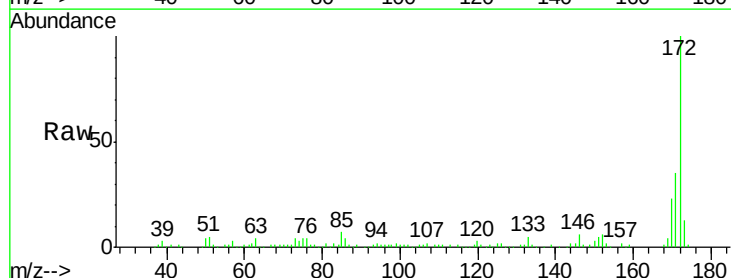
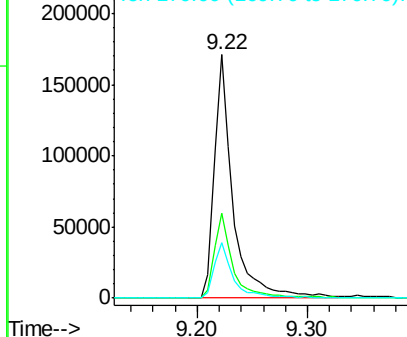
Delta R.T. 0.00 min

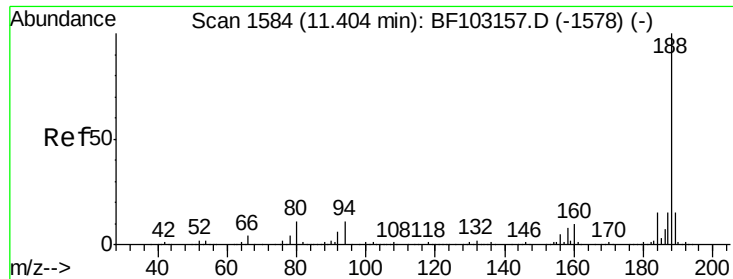
Lab File: BF103528.D

Acq: 8 Mar 2018 20:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	22.9	19.6	29.4

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





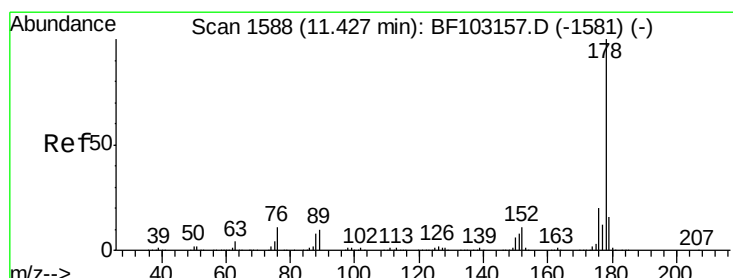
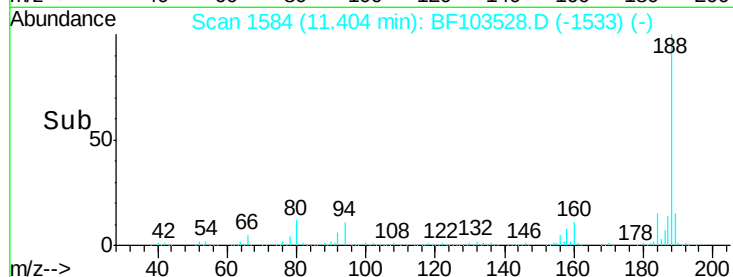
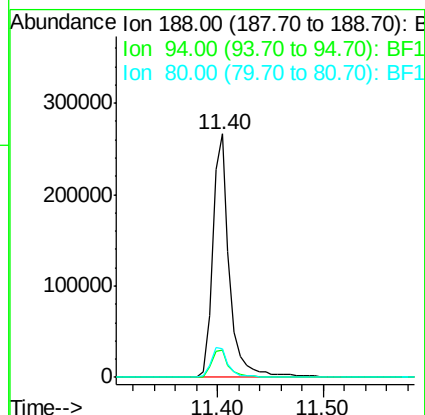
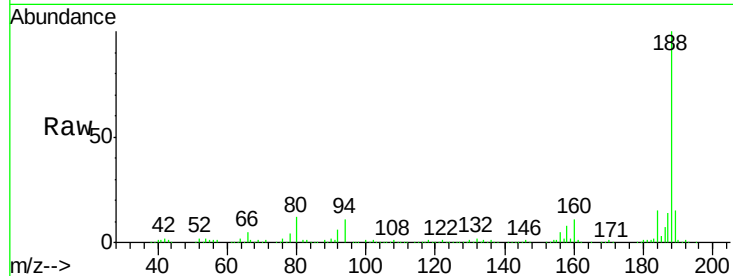
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF103528.D
 Acq: 8 Mar 2018 20:29

Instrument :
 BNA_F
 ClientSampleId :
 MHB-WCA

Tot Ion:	188	Resp:	294555
Ion Ratio	Lower	Upper	
188	100		
94	11.1	8.5	12.7
80	11.6	9.2	13.8

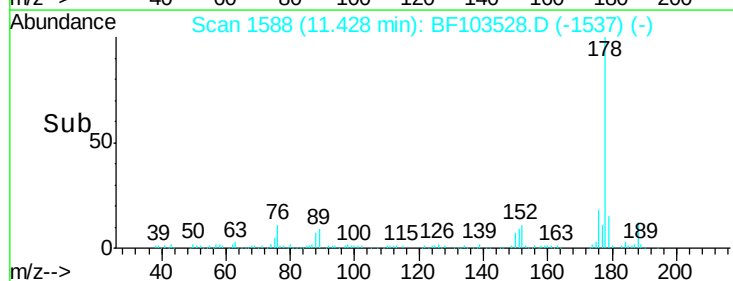
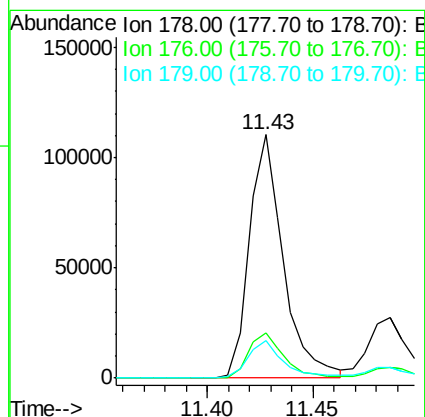
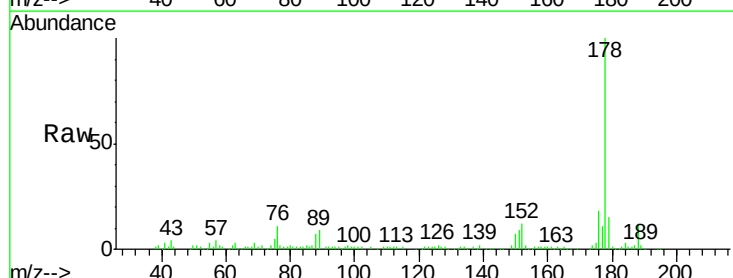
Manual Integrations
 APPROVED

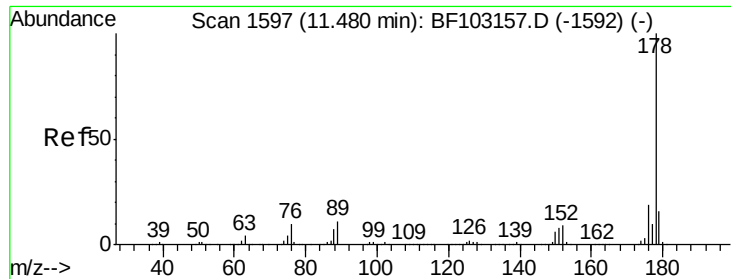
Sohil
 3/9/2018 11:39:42 AM



#70
 Phenanthrene
 Concen: 7.617 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: BF103528.D
 Acq: 8 Mar 2018 20:29

Tgt Ion:	178	Resp:	123479
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.8	23.8
179	15.5	13.0	19.6





#71

Anthracene

Concen: 2.520 ng

RT: 11.49 min Scan# 1598

Delta R.T. 0.01 min

Lab File: BF103528.D

Acq: 8 Mar 2018 20:29

Instrument :

BNA_F

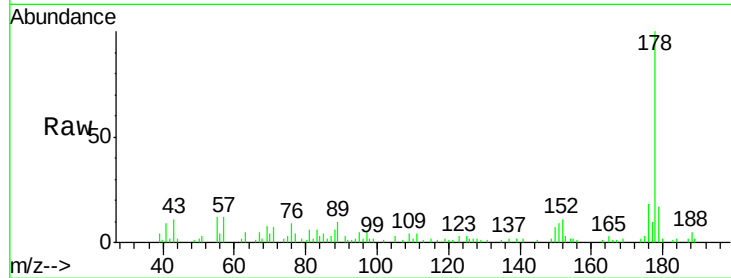
ClientSampled :

MHB-WCA

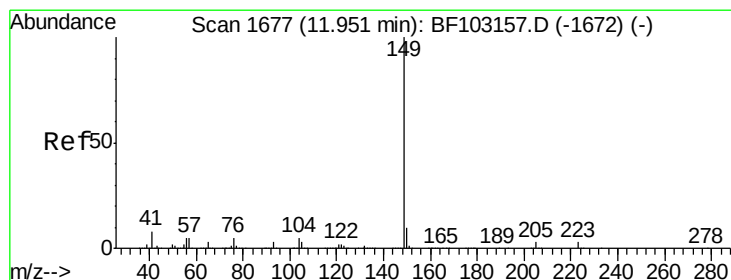
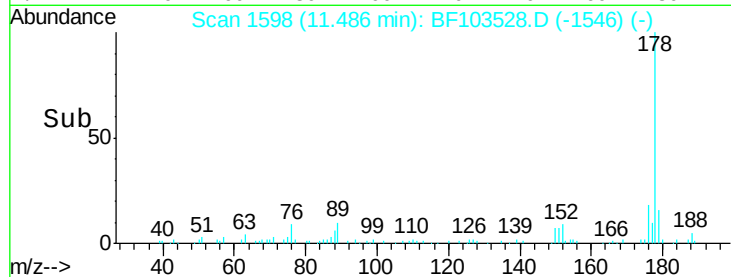
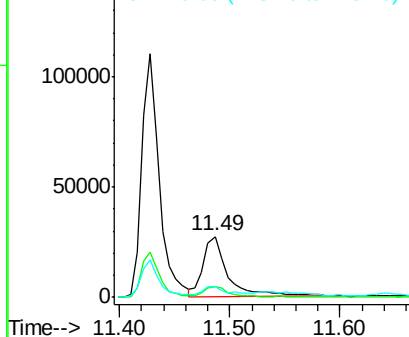
Tot Ion:	178	Resp:	41885
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.4	23.2
179	17.3	12.6	19.0

Manual Integrations
APPROVED

Sohil
3/9/2018 11:39:42 AM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#73

Di-n-butylphthalate

Concen: 2.803 ng

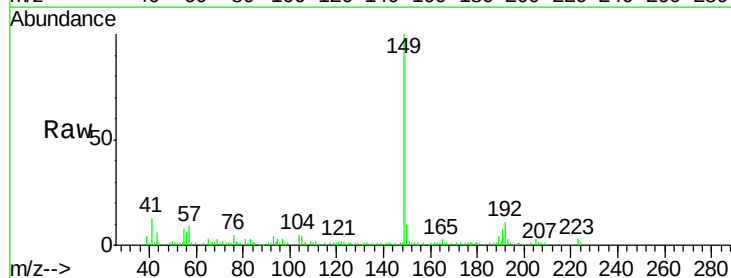
RT: 11.95 min Scan# 1676

Delta R.T. -0.01 min

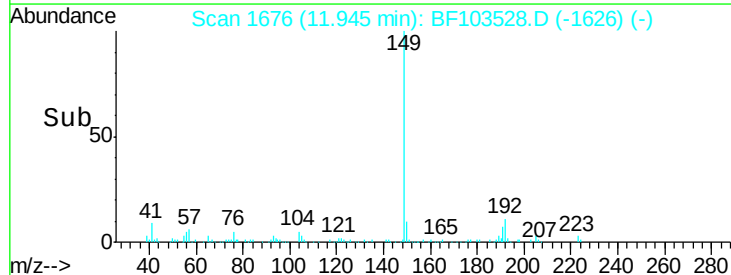
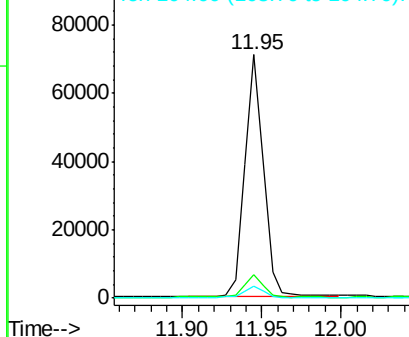
Lab File: BF103528.D

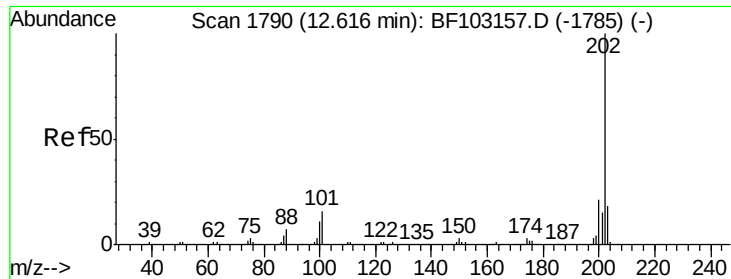
Acq: 8 Mar 2018 20:29

Tgt Ion:	149	Resp:	58056
Ion Ratio	Lower	Upper	
149	100		
150	9.7	7.8	11.6
104	5.1	3.8	5.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 10.577 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103528.D

Acq: 8 Mar 2018 20:29

Instrument :

BNA_F

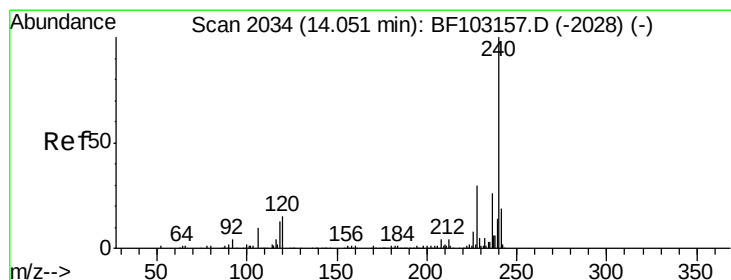
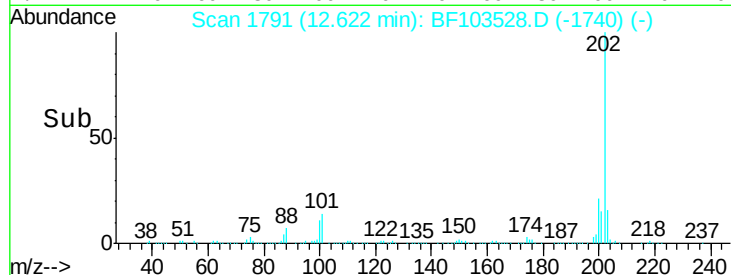
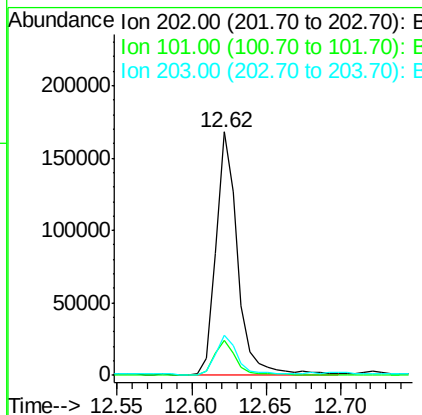
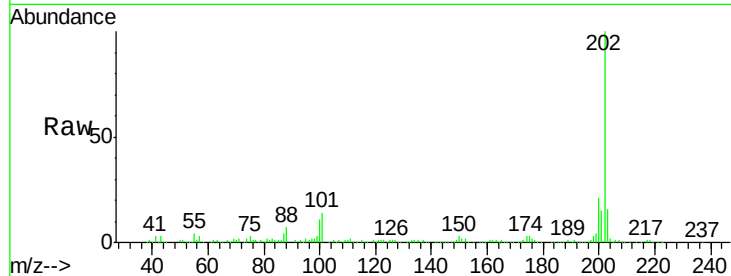
ClientSampleId :

MHB-WCA

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		172293		
101	14.3	0.0	34.1		
203	16.4	0.0	38.1		

Manual Integrations
APPROVED

Sohil
3/9/2018 11:39:42 AM



#75

Chrysene-d12

Concen: 20.000 ng

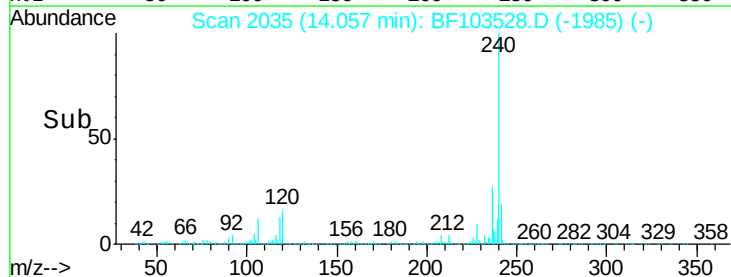
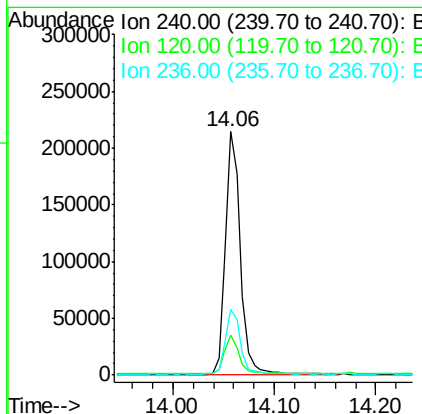
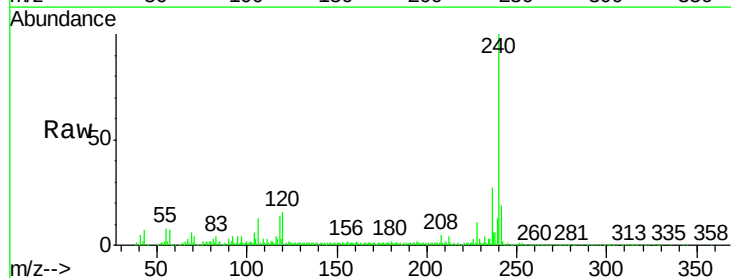
RT: 14.06 min Scan# 2035

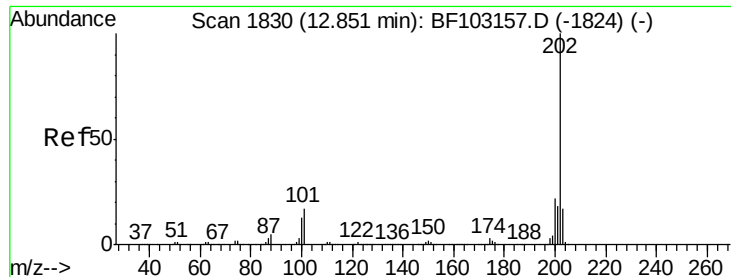
Delta R.T. -0.01 min

Lab File: BF103528.D

Acq: 8 Mar 2018 20:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		217899		
120	16.3	9.5	14.3#		
236	27.0	20.7	31.1		





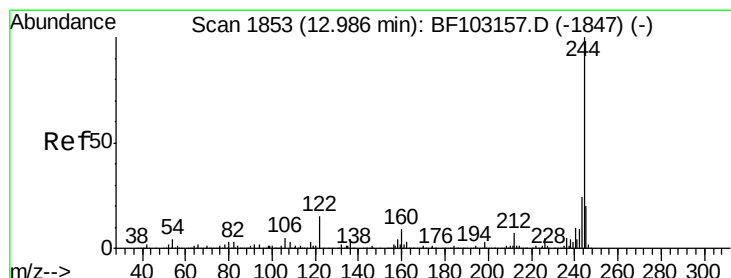
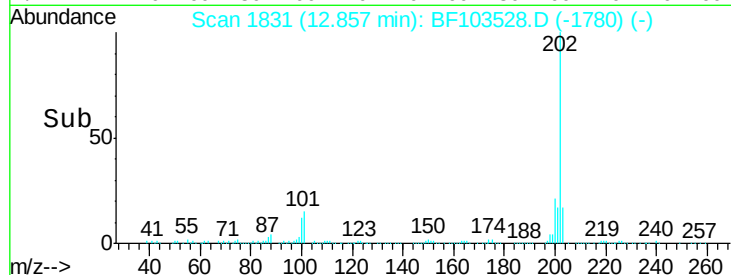
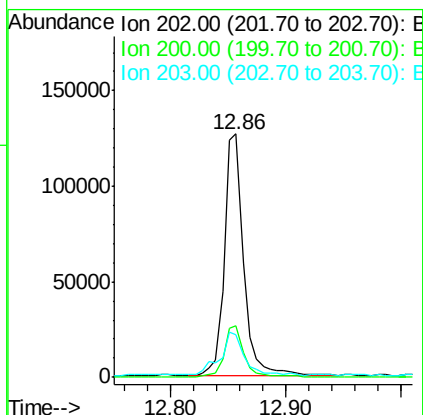
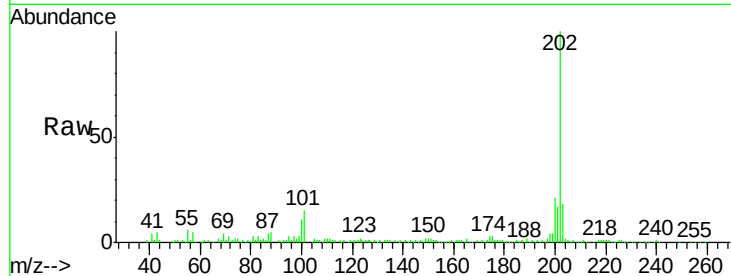
#77
Pvrene
Concen: 8.649 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Instrument :
BNA_F
ClientSampleId :
MHB-WCA

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.8	14.3	21.5

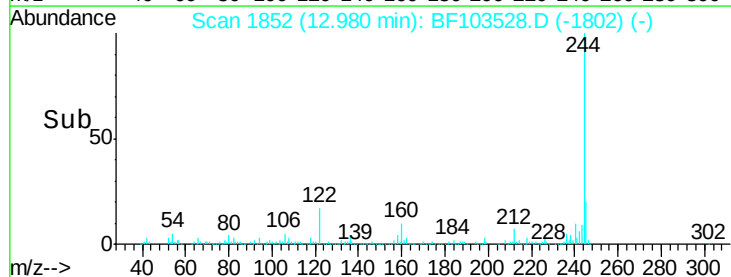
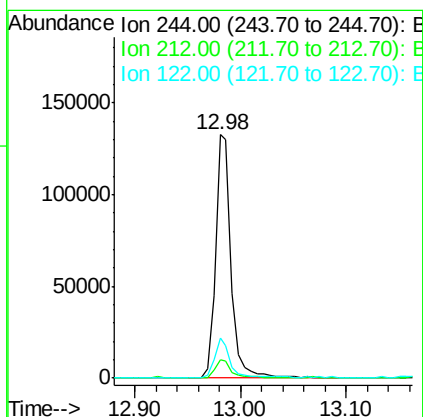
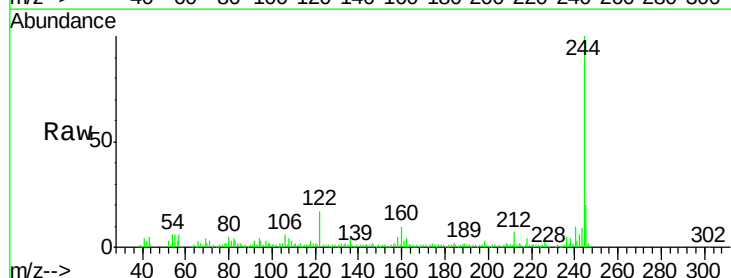
Manual Integrations
APPROVED

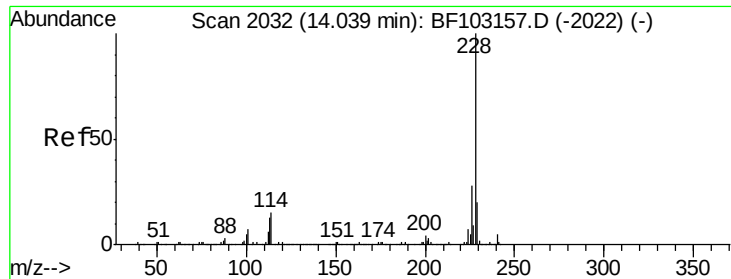
Sohil
3/9/2018 11:39:42 AM



#78
Terphenyl-d14
Concen: 15.384 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.0
122	16.7	11.0	16.4





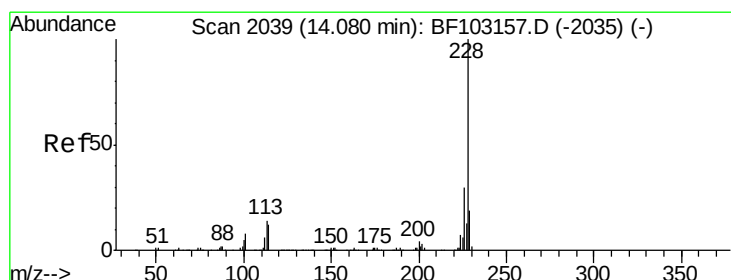
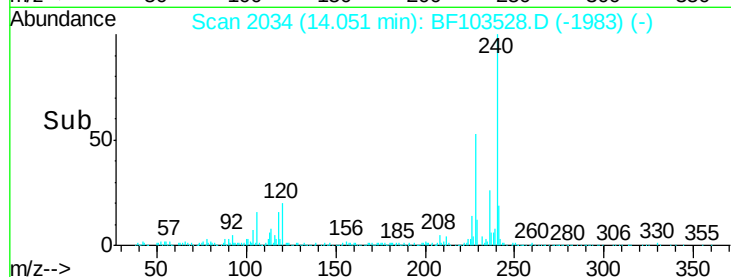
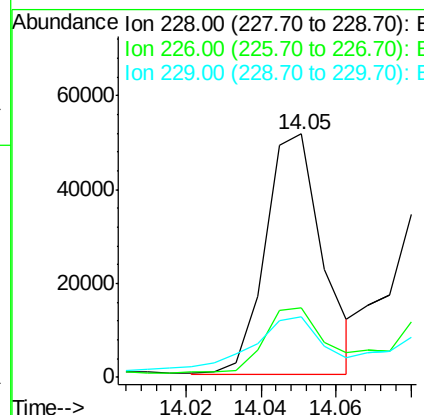
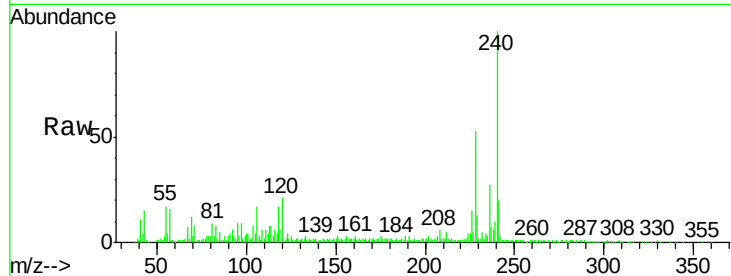
#80
Benzo(a)anthracene
Concen: 3.831 ng m
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Instrument :
BNA_F
ClientSampleId :
MHB-WCA

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	24.9	15.8	23.6

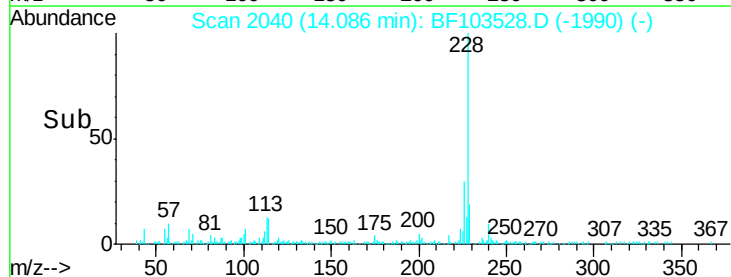
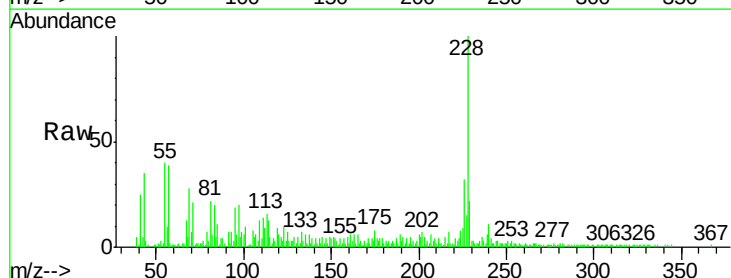
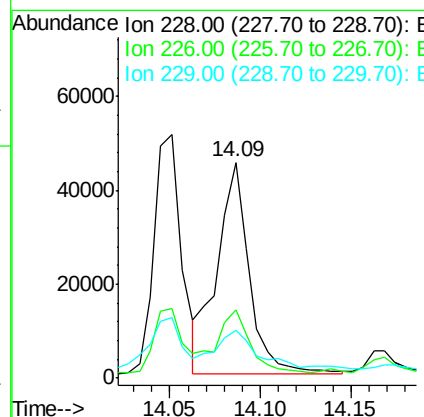
Manual Integrations
APPROVED

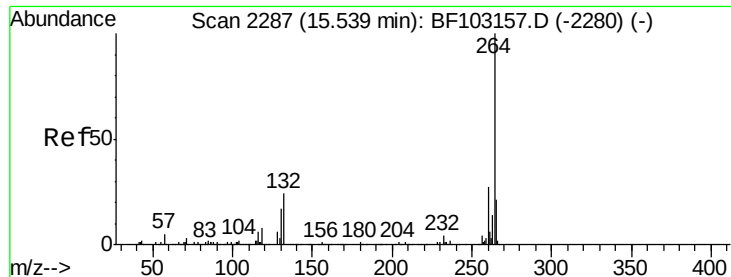
Sohil
3/9/2018 11:39:42 AM



#82
Chrysene
Concen: 4.059 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	22.2	16.2	24.4





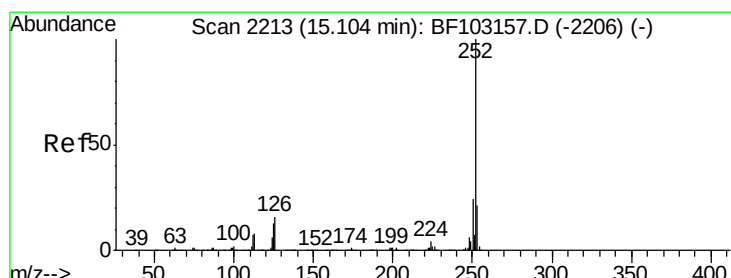
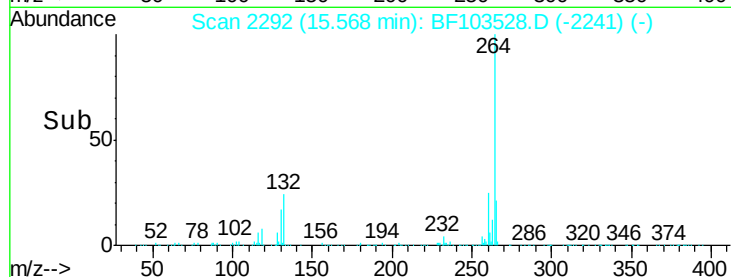
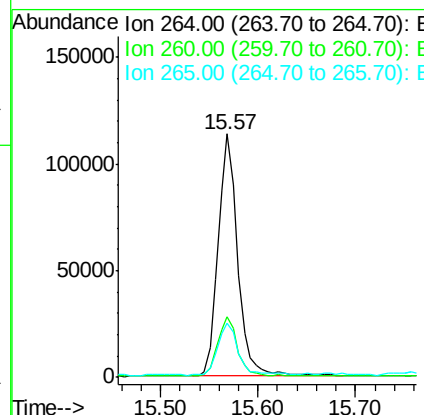
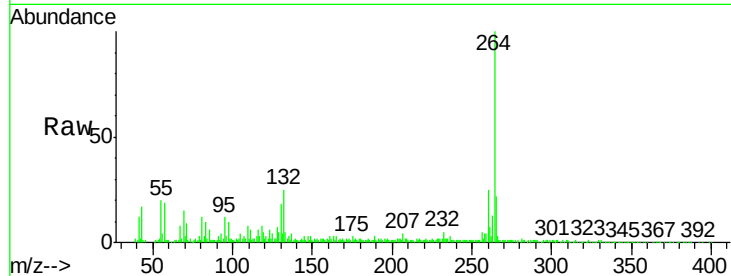
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Instrument :
BNA_F
ClientSampleId :
MHB-WCA

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	22.2	17.5	26.3

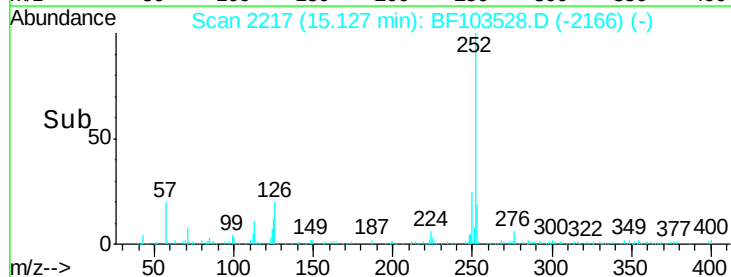
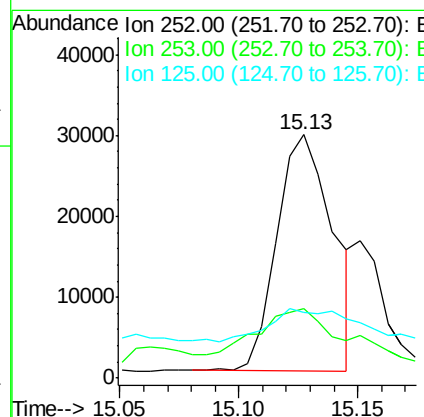
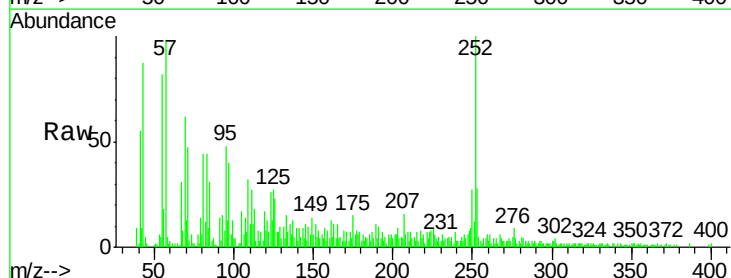
Manual Integrations
APPROVED

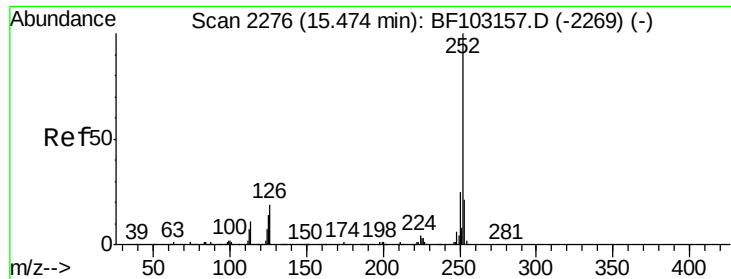
Sohil
3/9/2018 11:39:42 AM



#87
Benzo(b)fluoranthene
Concen: 4.569 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.0	25.6#
125	27.1	9.0	13.6#





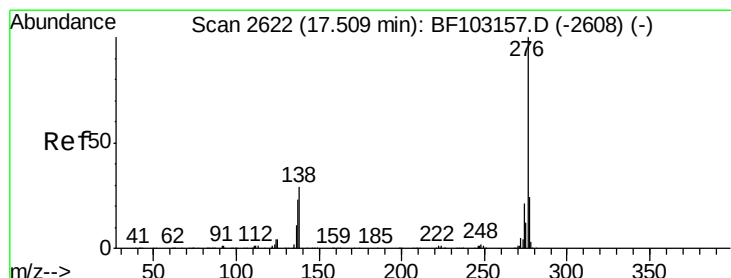
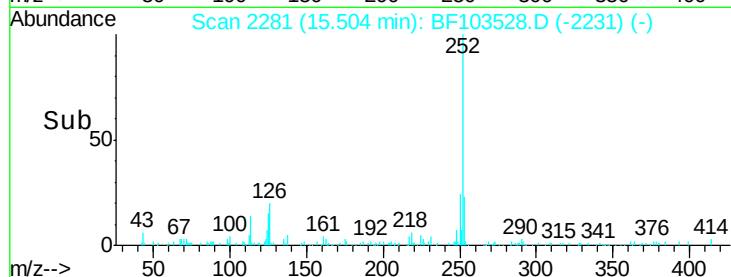
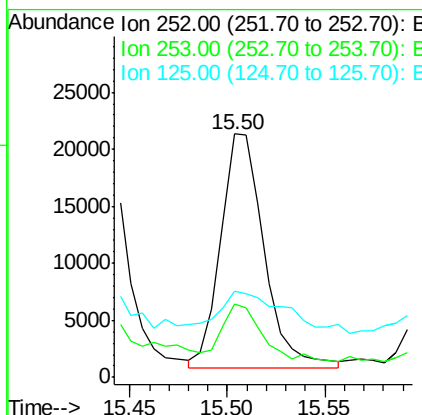
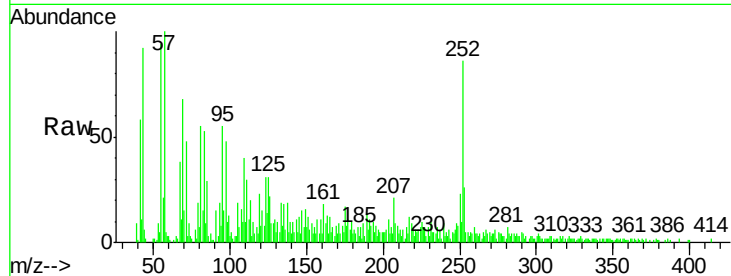
#89
Benzo(a)pyrene
Concen: 3.412 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Instrument :
BNA_F
ClientSampleId :
MHB-WCA

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.1	17.1	25.7#
125	35.7	9.8	14.6#

Manual Integrations
APPROVED

Sohil
3/9/2018 11:39:42 AM



#91
Benzo(g,h,i)perylene
Concen: 2.284 ng
RT: 17.60 min Scan# 2637
Delta R.T. 0.02 min
Lab File: BF103528.D
Acq: 8 Mar 2018 20:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.5	17.9	26.9#
138	41.4	21.8	32.8#

