

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030918\
 Data File : BF103553.D
 Acq On : 9 Mar 2018 11:48
 Operator : SJ/JU
 Sample : J1823-01 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MHB-WCA

Manual Integrations
 APPROVED

Sohil
 3/12/2018 3:50:04 PM

Quant Time: Mar 09 13:43:31 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	141136	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	613464	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	270823	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	445932	20.00	ng	0.00
75) Chrysene-d12	14.06	240	260670	20.00	ng	0.00
86) Perylene-d12	15.57	264	238877	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	168041m	18.01	ng	0.01
7) Phenol-d6	6.52	99	253356m	22.19	ng	0.02
23) Nitrobenzene-d5	7.45	82	156314m	14.55	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	28813	12.57	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	262155	11.89	ng	0.00
78) Terphenyl-d14	12.98	244	183731	16.94	ng	0.00
Target Compounds						
70) Phenanthrene	11.43	178	188236	7.670	ng	99
71) Anthracene	11.49	178	62974	2.502	ng	97
73) Di-n-butylphthalate	11.94	149	91899	2.931	ng	98
74) Fluoranthene	12.62	202	228742	9.275	ng	100
77) Pyrene	12.85	202	190426	9.370	ng	100
80) Benzo(a)anthracene	14.04	228	65445m	3.869	ng	
82) Chrysene	14.09	228	63571	3.871	ng	96
87) Benzo(b)fluoranthene	15.13	252	61782m	3.934	ng	
89) Benzo(a)pyrene	15.51	252	45880	3.271	ng	# 80
91) Benzo(g,h,i)perylene	17.60	276	24218	2.286	ng	# 78

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

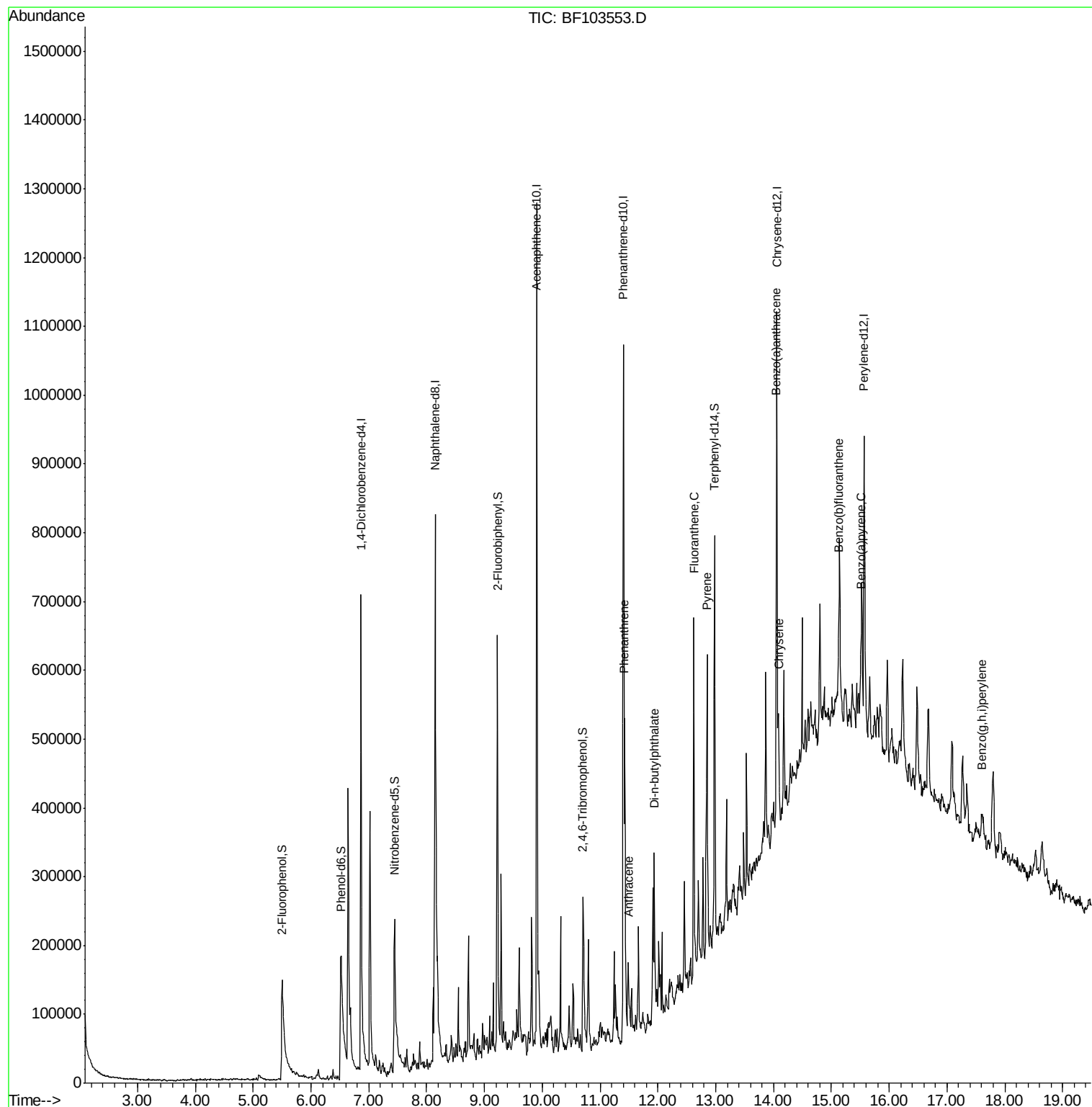
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030918\
Data File : BF103553.D
Acq On : 9 Mar 2018 11:48
Operator : SJ/JU
Sample : J1823-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

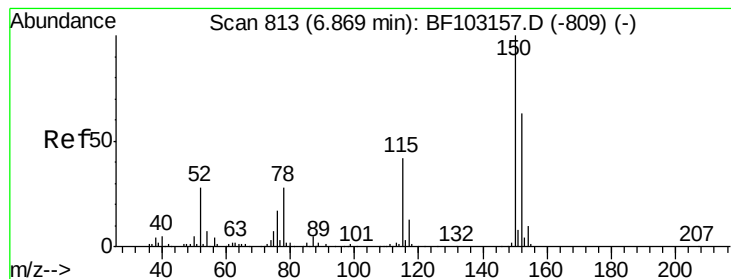
Instrument :
BNA_F
ClientSampleId :
MHB-WCA

Manual Integrations
APPROVED

Sohil
3/12/2018 3:50:04 PM

Quant Time: Mar 09 13:43:31 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





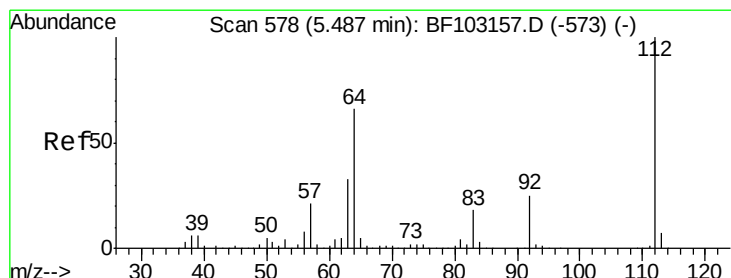
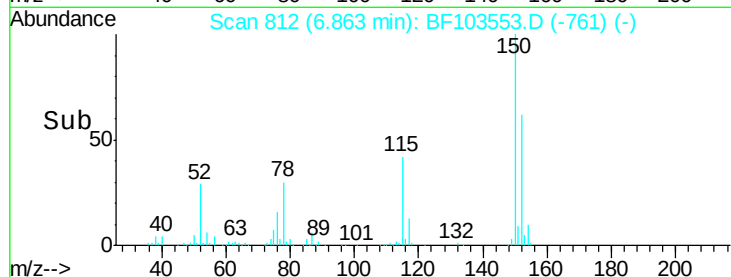
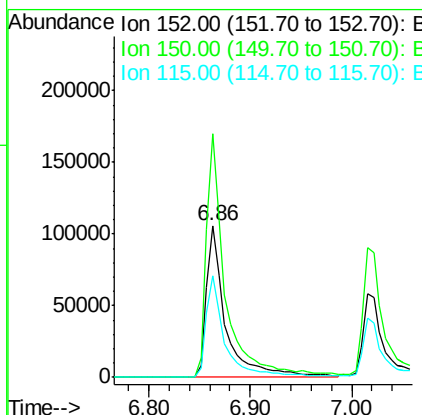
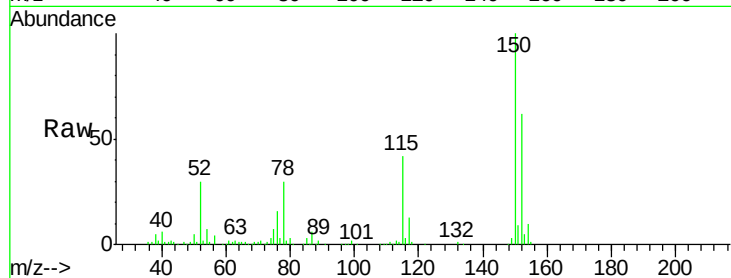
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103553.D
Acq: 9 Mar 2018 11:48

Instrument :
BNA_F
ClientSampleId :
MHB-WCA

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	124.6	186.8
115	67.1	50.1	75.1

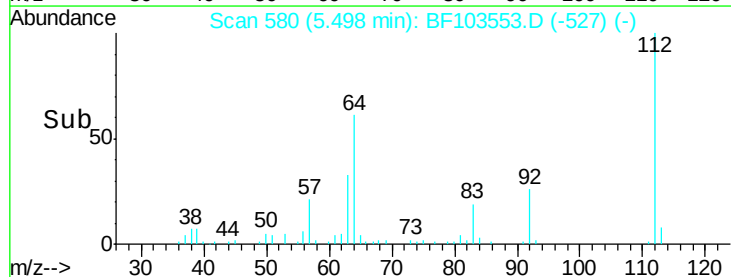
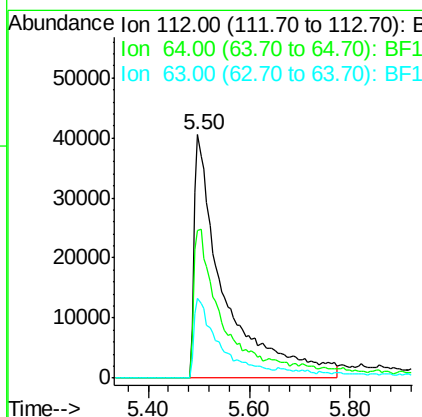
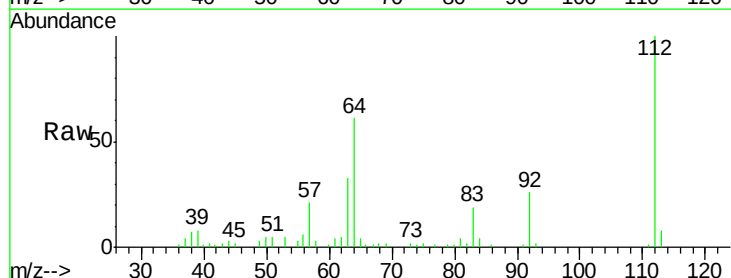
Manual Integrations
APPROVED

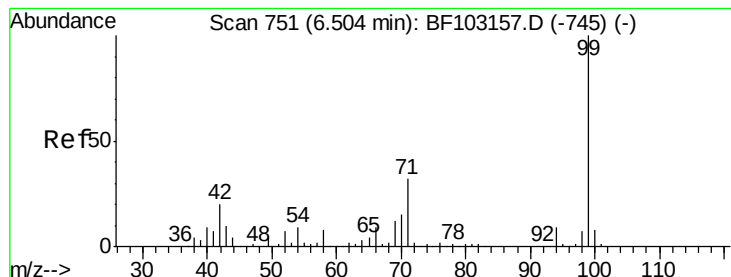
Sohil
3/12/2018 3:50:04 PM



#5
2-Fluorophenol
Concen: 18.007 ng m
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103553.D
Acq: 9 Mar 2018 11:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.9	71.9
63	32.9	23.7	35.5





#7

Phenol-d6

Concen: 22.188 ng/mL

RT: 6.52 min Scan# 754

Delta R.T. 0.02 min

Lab File: BF103553.D

Acq: 9 Mar 2018 11:48

Instrument :

BNA_F

ClientSampleId :

MHB-WCA

Tot Ion: 99 Resp: 253356

Ion Ratio Lower Upper

99 100

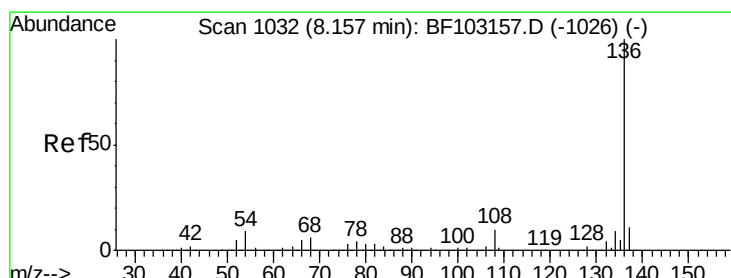
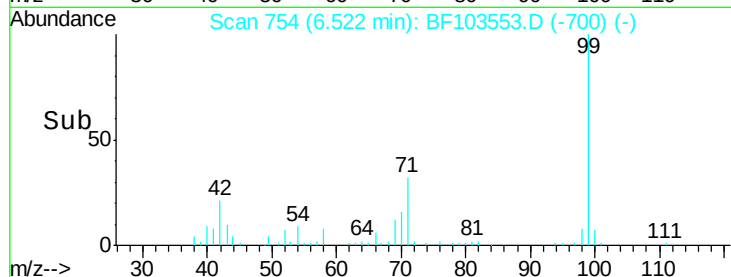
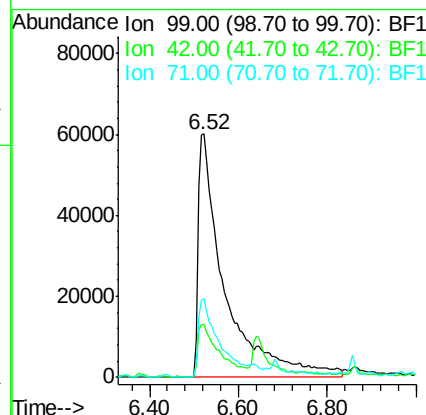
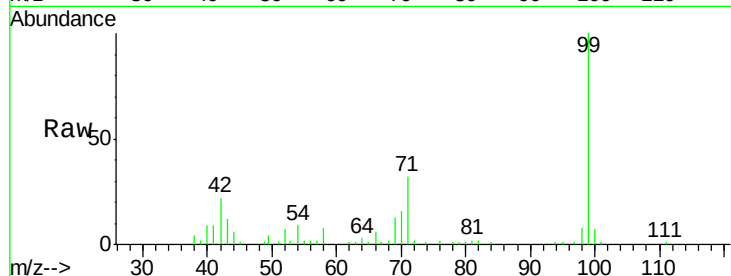
42 21.9 14.5 21.7#

71 32.0 25.4 38.0

Manual Integrations
APPROVED

Sohil

3/12/2018 3:50:04 PM



#21

Naphthalene-d8

Concen: 20.000 ng/mL

RT: 8.15 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF103553.D

Acq: 9 Mar 2018 11:48

Tgt Ion: 136 Resp: 613464

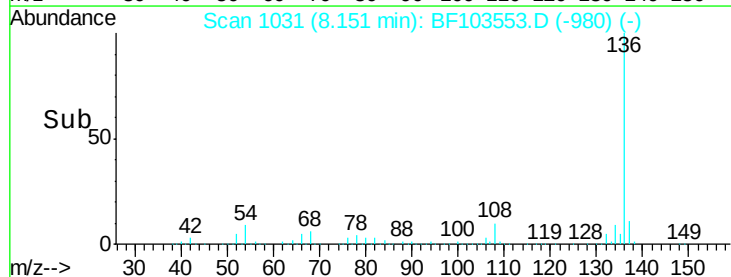
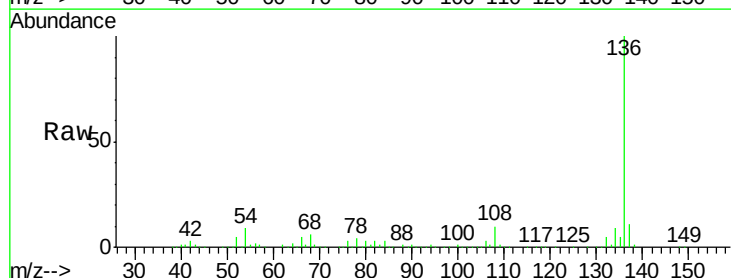
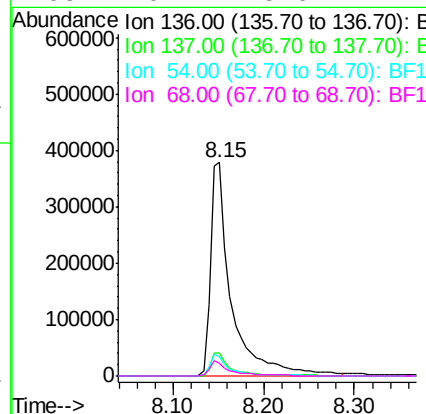
Ion Ratio Lower Upper

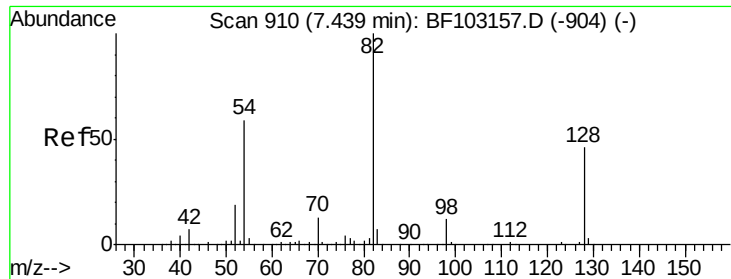
136 100

137 10.6 8.9 13.3

54 9.0 6.6 9.8

68 6.1 5.0 7.4





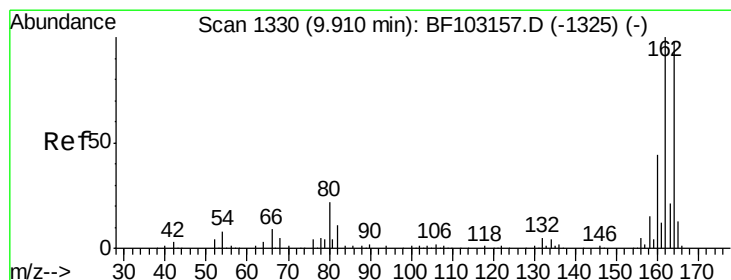
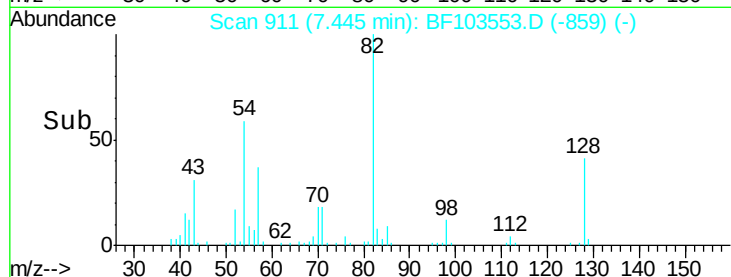
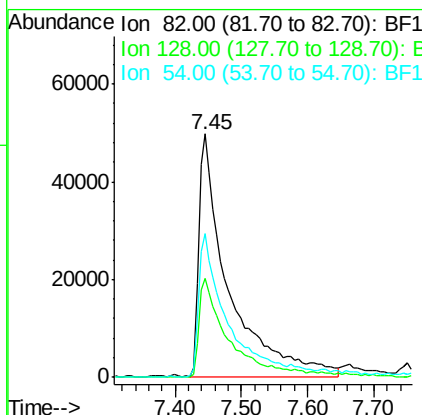
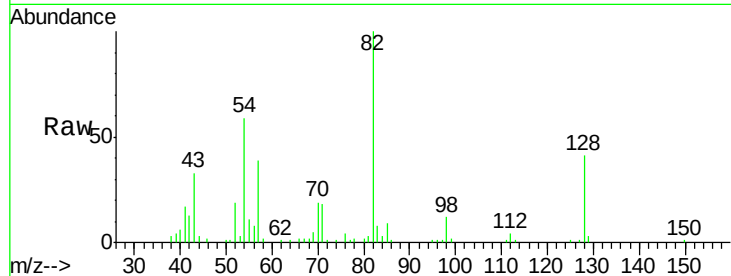
#23
Nitrobenzene-d5
Concen: 14.552 ng m
RT: 7.45 min Scan# 911
Delta R.T. 0.01 min
Lab File: BF103553.D
Acq: 9 Mar 2018 11:48

Instrument :
BNA_F
ClientSampleId :
MHB-WCA

Tot Ion	82	Resp	156314
Ion Ratio	Lower	Upper	
82	100		
128	40.9	36.1	54.1
54	59.1	41.4	62.2

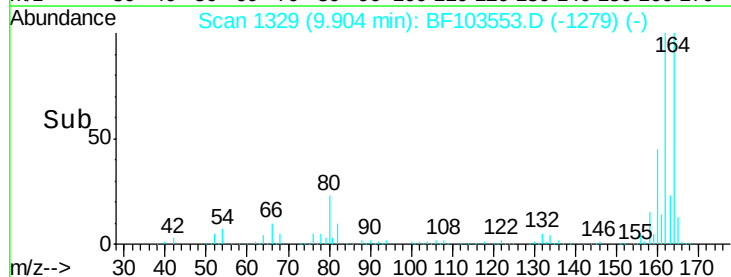
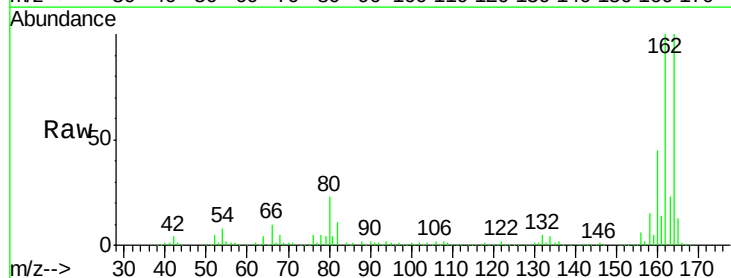
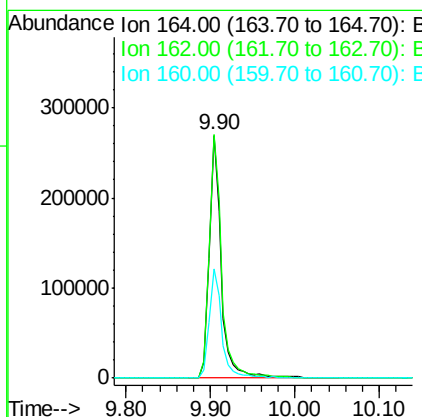
Manual Integrations
APPROVED

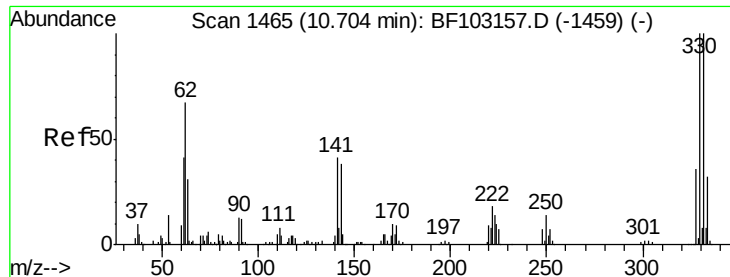
Sohil
3/12/2018 3:50:04 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103553.D
Acq: 9 Mar 2018 11:48

Tgt Ion	164	Resp	270823
Ion Ratio	Lower	Upper	
164	100		
162	100.4	86.1	129.1
160	45.0	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 12.569 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.01 min

Lab File: BF103553.D

Acq: 9 Mar 2018 11:48

Instrument :

BNA_F

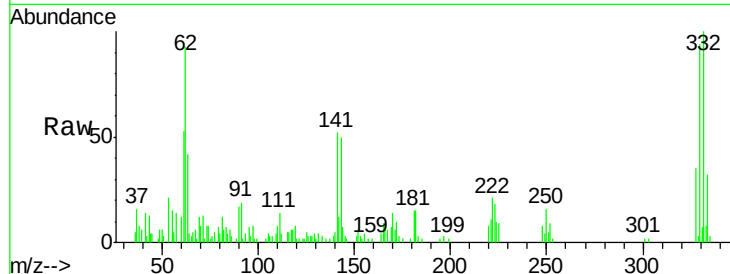
ClientSampleId :

MHB-WCA

Tot Ion	Ratio	Lower	Upper
330	100		
332	108.5	77.0	115.6
141	57.9	29.9	44.9

Manual Integrations
APPROVED

Sohil
3/12/2018 3:50:04 PM

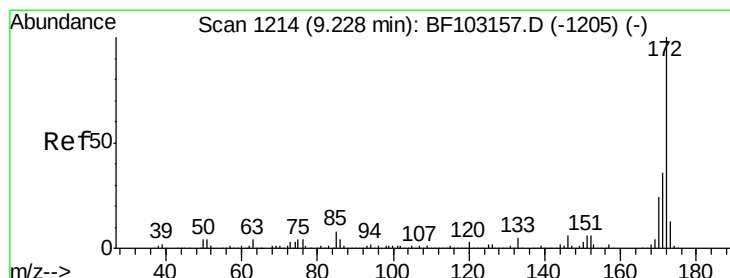
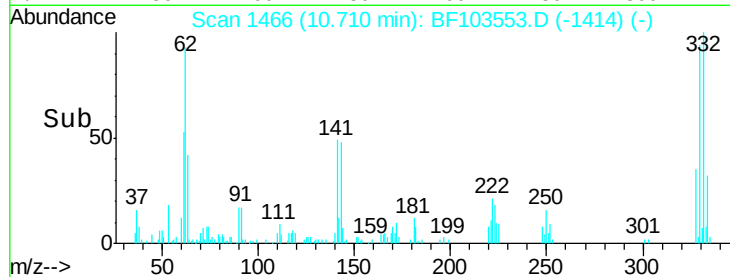
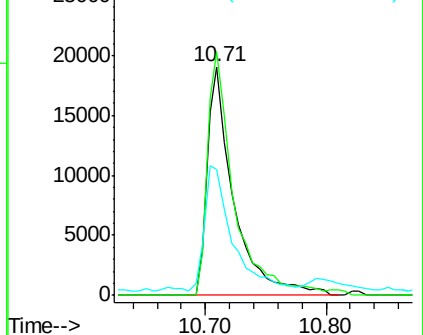


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 11.892 ng

RT: 9.22 min Scan# 1213

Delta R.T. 0.00 min

Lab File: BF103553.D

Acq: 9 Mar 2018 11:48

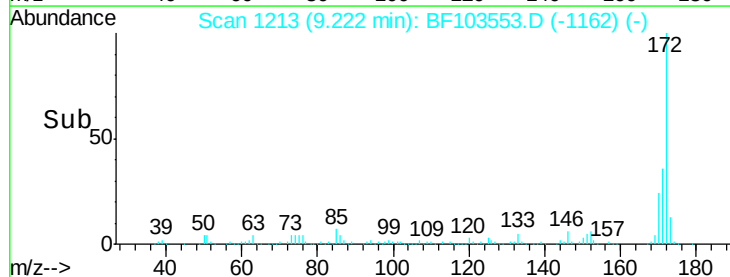
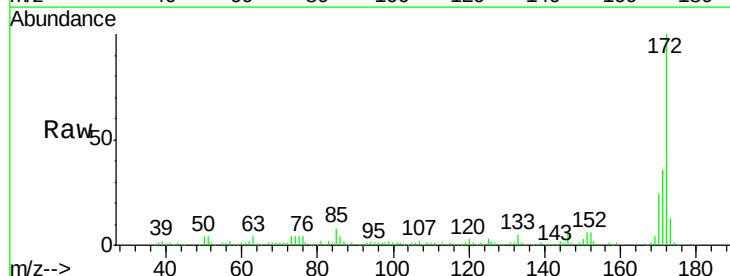
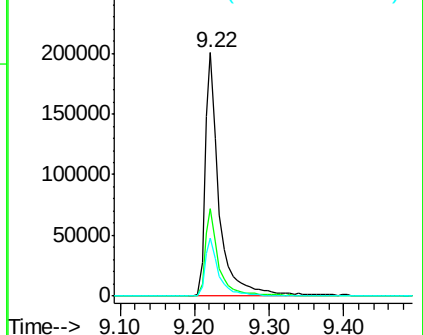
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.6	19.6	29.4

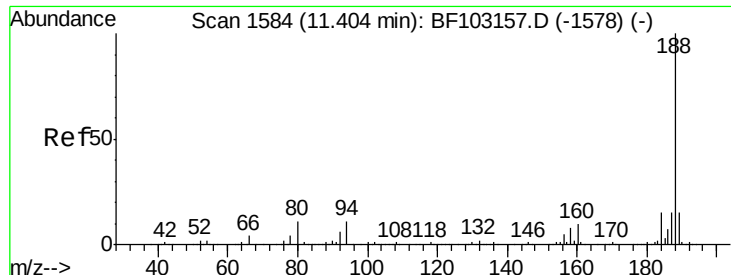
Abundance

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





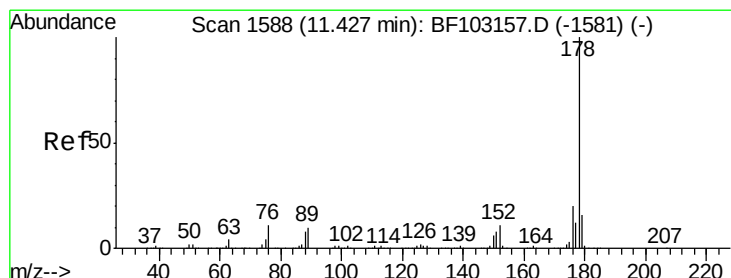
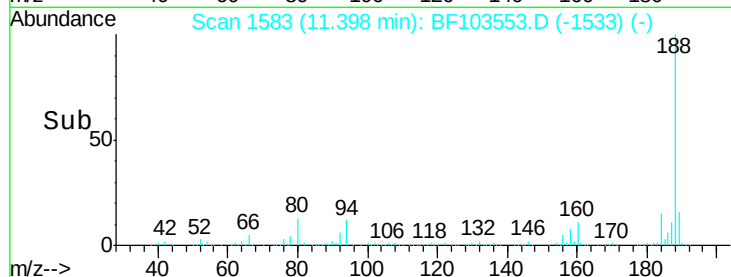
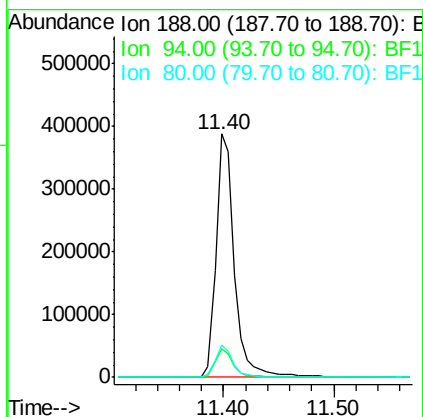
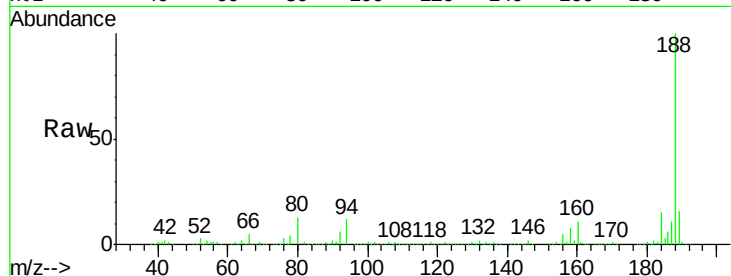
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103553.D
Acq: 9 Mar 2018 11:48

Instrument :
BNA_F
ClientSampleId :
MHB-WCA

Tot Ion	Ratio	Resp	Lower	Upper
188	100	445932		
94	11.9		8.5	12.7
80	13.3		9.2	13.8

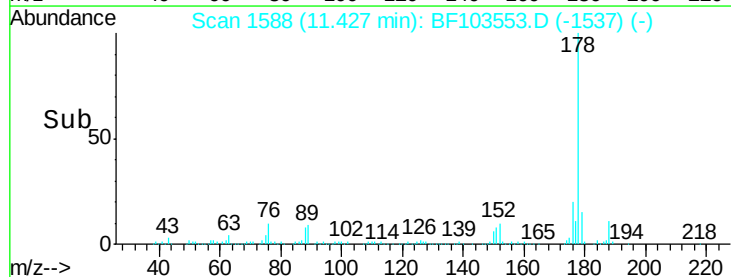
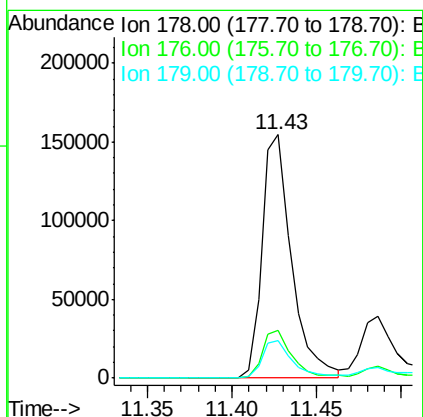
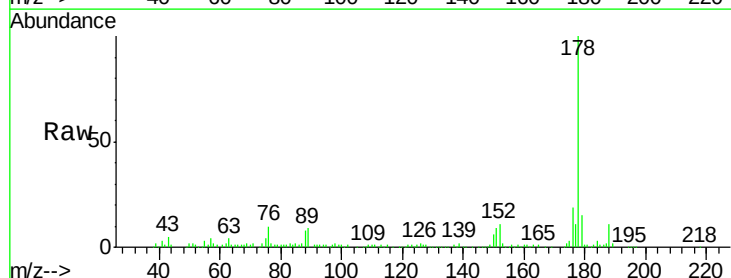
Manual Integrations
APPROVED

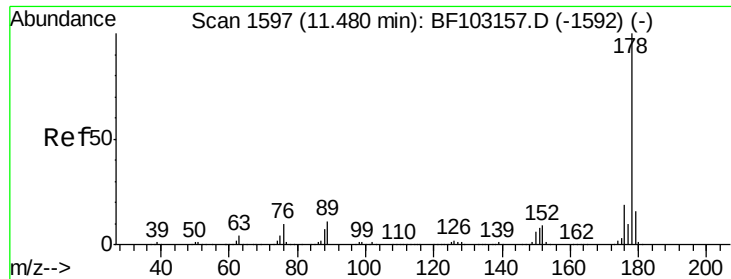
Sohil
3/12/2018 3:50:04 PM



#70
Phenanthrene
Concen: 7.670 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103553.D
Acq: 9 Mar 2018 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	188236		
176	19.5		15.8	23.8
179	15.4		13.0	19.6





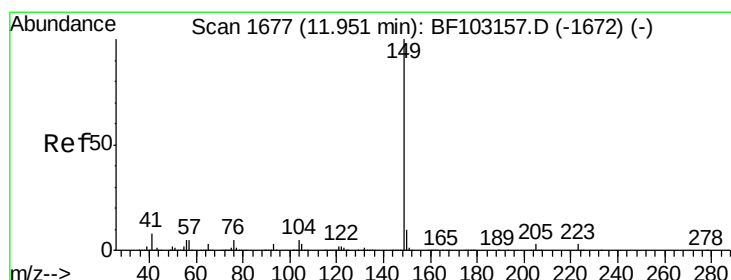
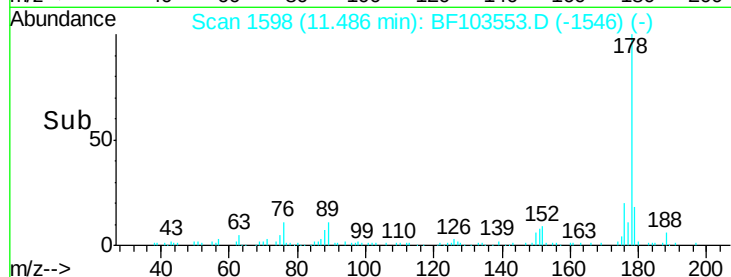
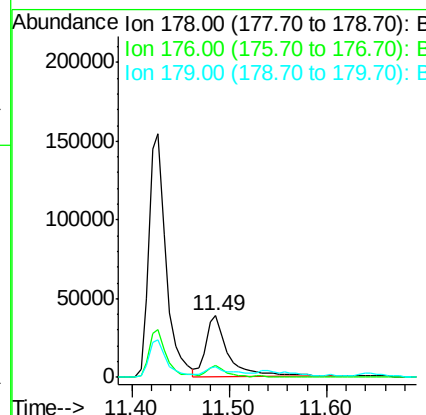
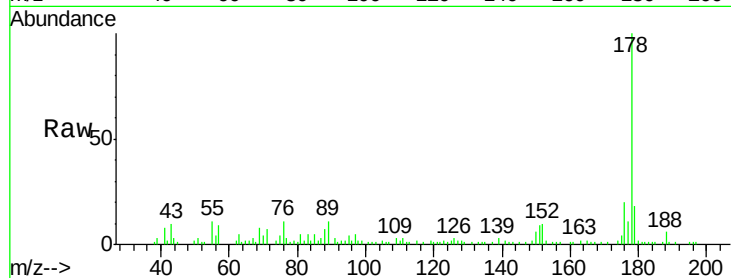
#71
 Anthracene
 Concen: 2.502 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: BF103553.D
 Acq: 9 Mar 2018 11:48

Instrument :
 BNA_F
 ClientSampleId :
 MHB-WCA

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.2
179	18.2	12.6	19.0

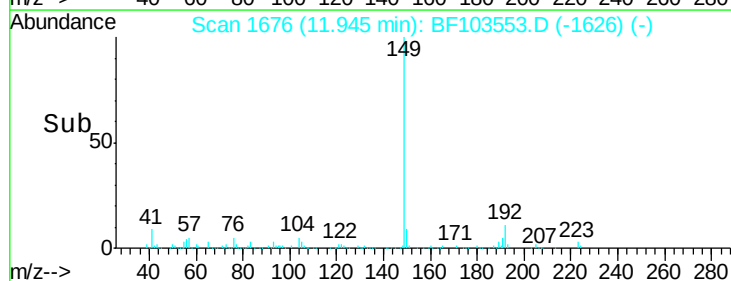
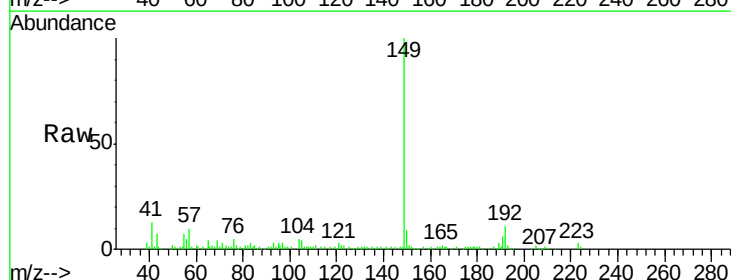
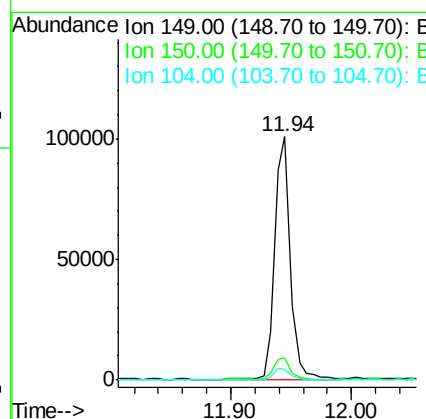
Manual Integrations
 APPROVED

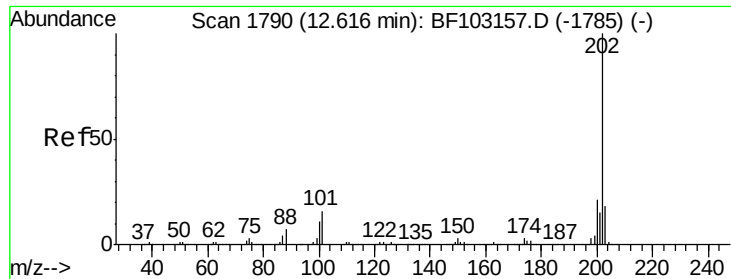
Sohil
 3/12/2018 3:50:04 PM



#73
 Di-n-butylphthalate
 Concen: 2.931 ng
 RT: 11.94 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: BF103553.D
 Acq: 9 Mar 2018 11:48

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.8	11.6
104	4.5	3.8	5.8





#74

Fluoranthene

Concen: 9.275 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103553.D

Acq: 9 Mar 2018 11:48

Instrument :

BNA_F

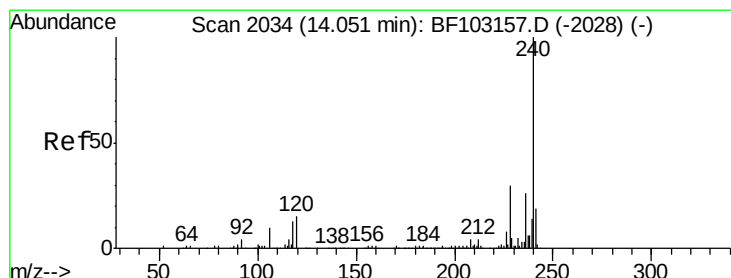
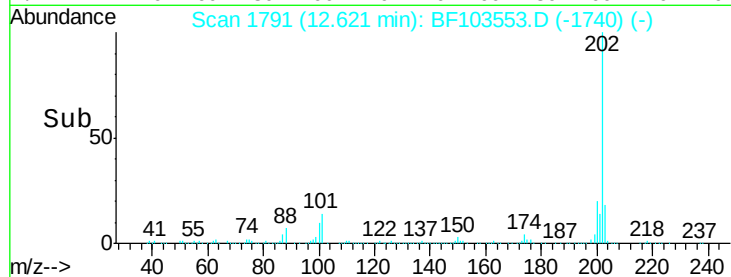
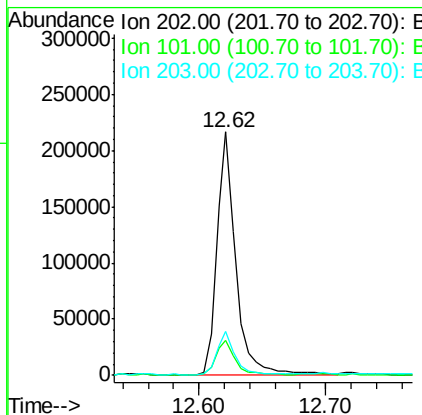
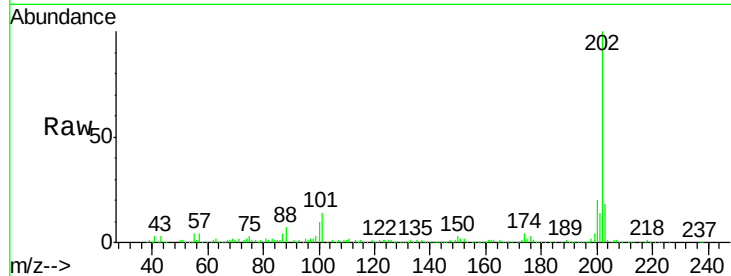
ClientSampleId :

MHB-WCA

Tot Ion:	202	Resp:	228742
Ion Ratio	Lower	Upper	
202	100		
101	14.3	0.0	34.1
203	18.0	0.0	38.1

Manual Integrations
APPROVED

Sohil
3/12/2018 3:50:04 PM



#75

Chrysene-d12

Concen: 20.000 ng

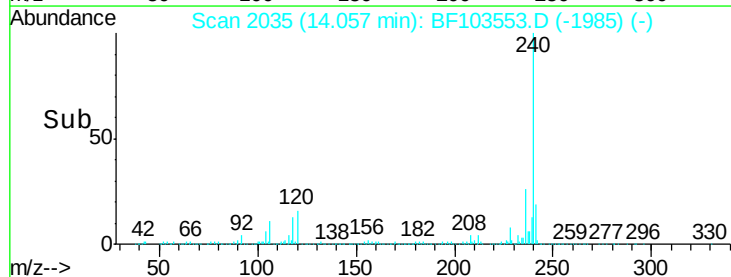
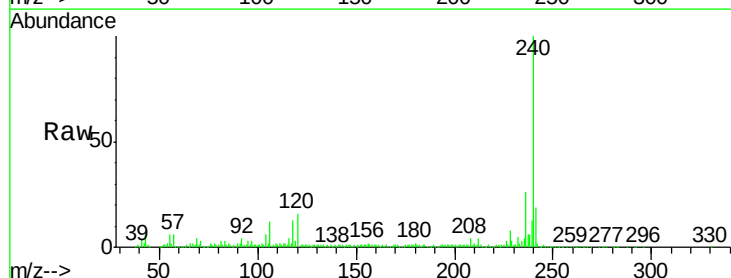
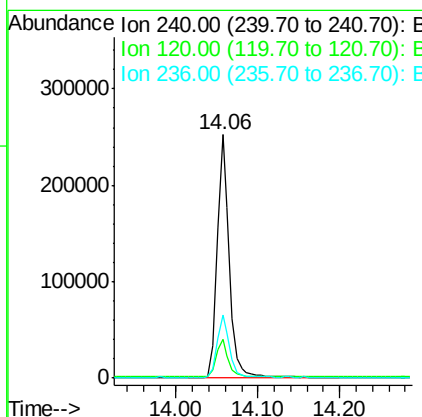
RT: 14.06 min Scan# 2035

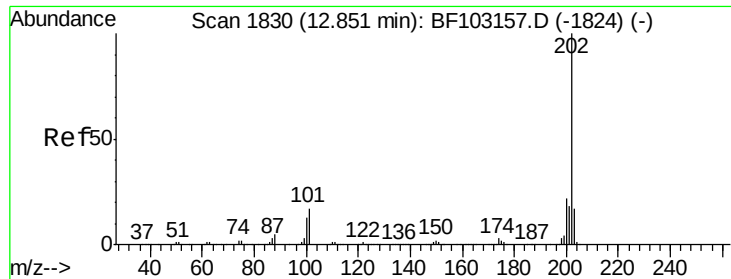
Delta R.T. -0.01 min

Lab File: BF103553.D

Acq: 9 Mar 2018 11:48

Tgt Ion:	240	Resp:	260670
Ion Ratio	Lower	Upper	
240	100		
120	16.0	9.5	14.3#
236	26.1	20.7	31.1





#77

Pvrene

Concen: 9.370 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103553.D

Acq: 9 Mar 2018 11:48

Instrument :

BNA_F

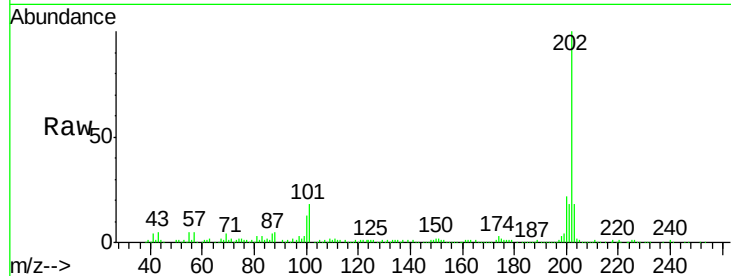
ClientSampleId :

MHB-WCA

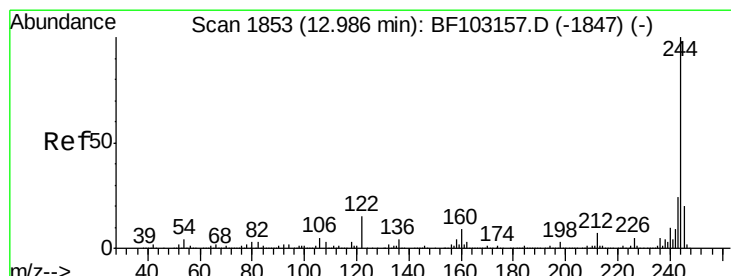
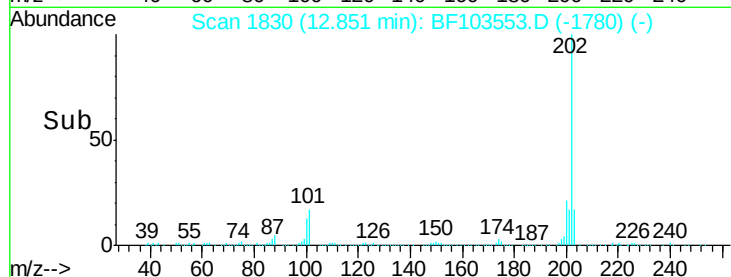
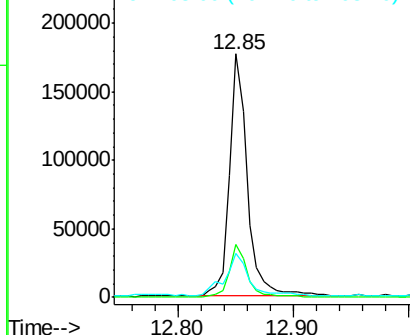
Tot Ion:	202	Resp:	190426
Ion Ratio		Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.1	14.3	21.5

Manual Integrations
APPROVED

Sohil
3/12/2018 3:50:04 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 16.943 ng

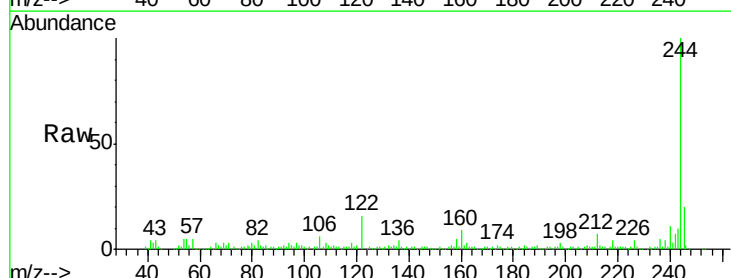
RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

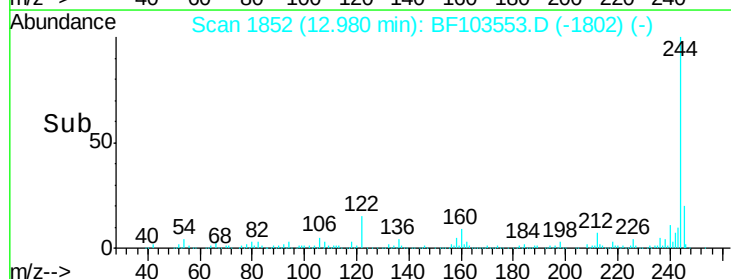
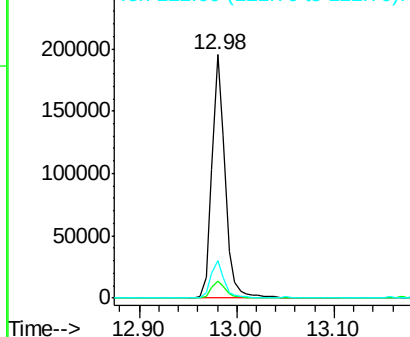
Lab File: BF103553.D

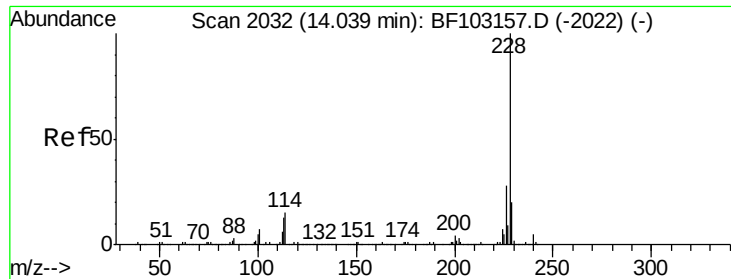
Acq: 9 Mar 2018 11:48

Tgt Ion:	244	Resp:	183731
Ion Ratio		Lower	Upper
244	100		
212	7.2	5.4	8.0
122	15.6	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





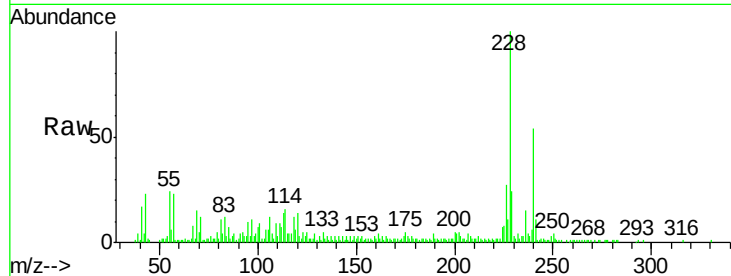
#80
Benzo(a)anthracene
Concen: 3.869 ng m
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103553.D
Acq: 9 Mar 2018 11:48

Instrument :
BNA_F
ClientSampleId :
MHB-WCA

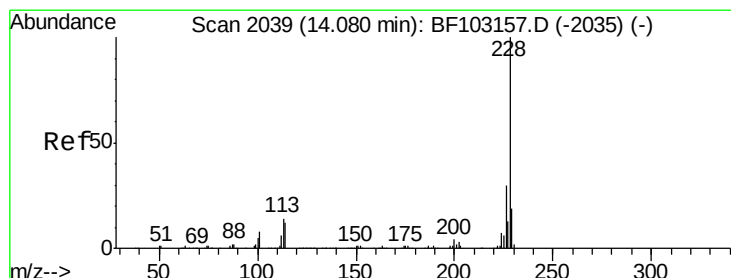
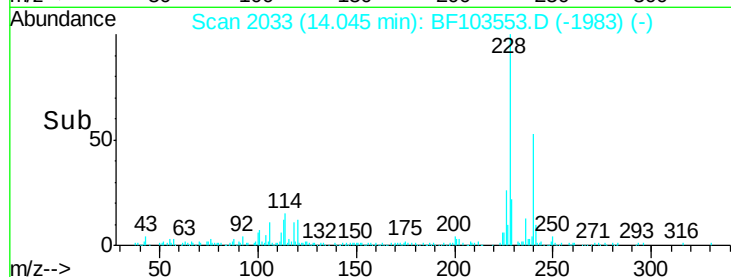
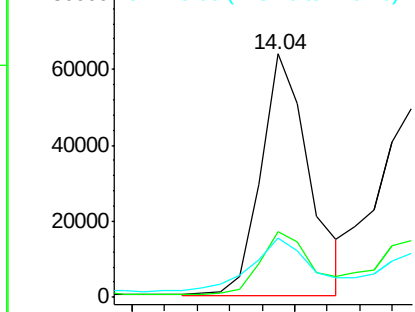
Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.6	33.8
229	24.2	15.8	23.6

Manual Integrations
APPROVED

Sohil
3/12/2018 3:50:04 PM



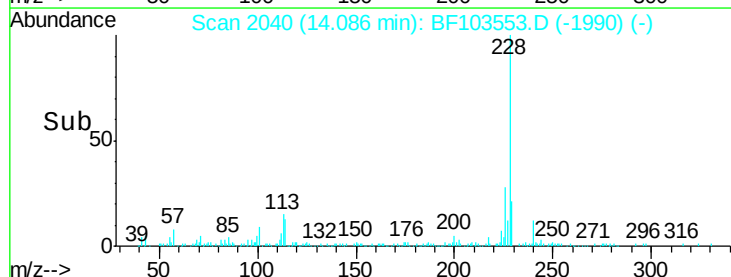
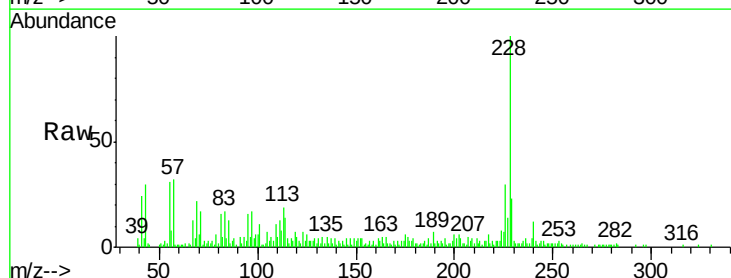
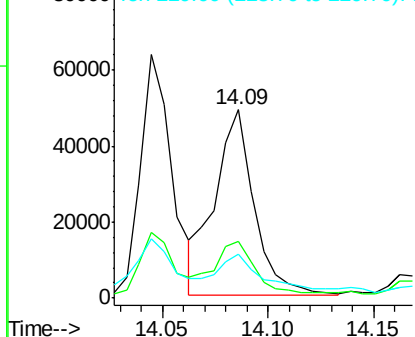
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

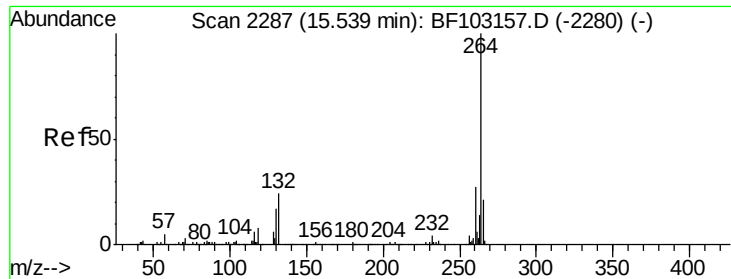


#82
Chrysene
Concen: 3.871 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103553.D
Acq: 9 Mar 2018 11:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	23.2	16.2	24.4

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





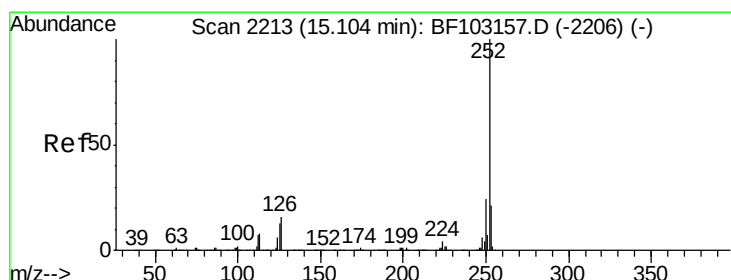
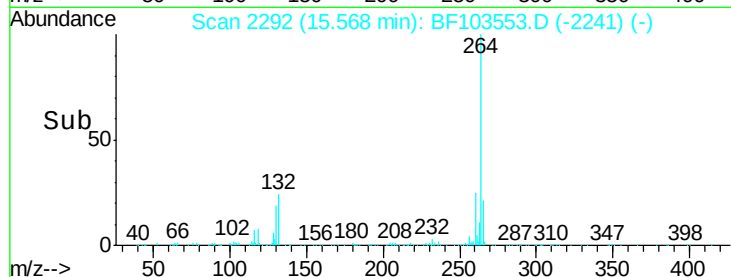
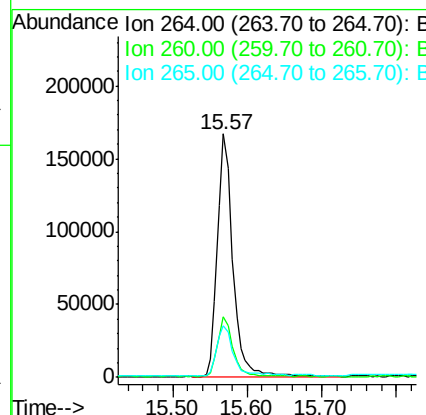
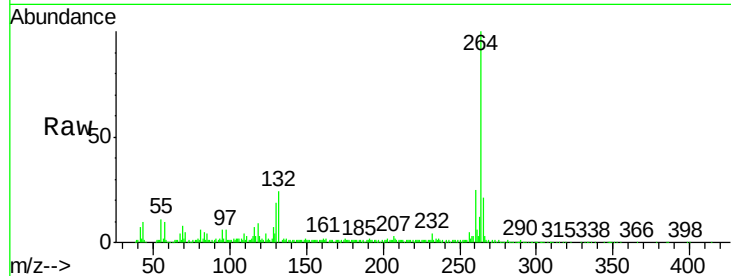
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF103553.D
Acq: 9 Mar 2018 11:48

Instrument :
BNA_F
ClientSampleId :
MHB-WCA

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.4	17.5	26.3

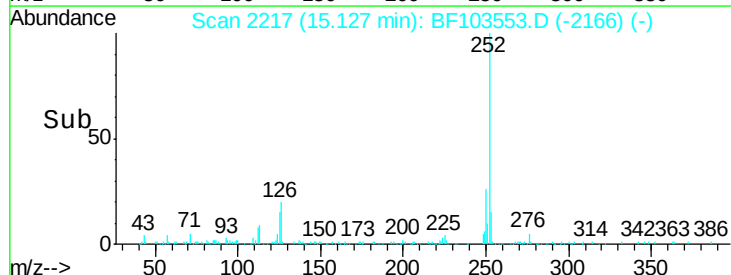
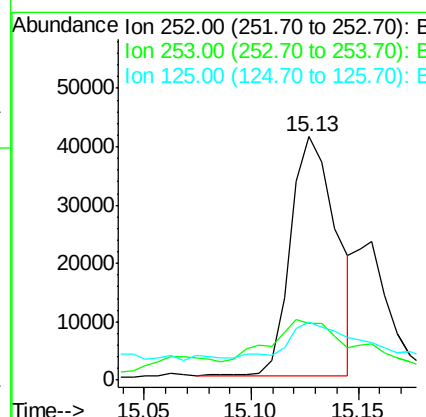
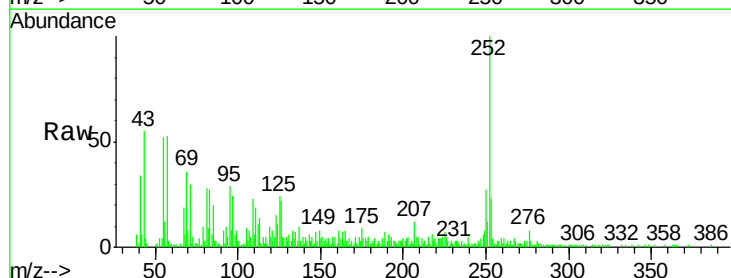
Manual Integrations
APPROVED

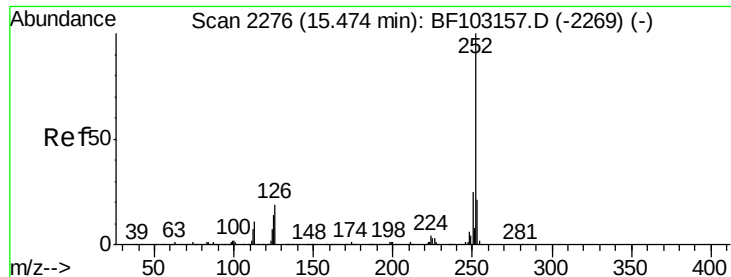
Sohil
3/12/2018 3:50:04 PM



#87
Benzo(b)fluoranthene
Concen: 3.934 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BF103553.D
Acq: 9 Mar 2018 11:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	23.9	9.0	13.6#





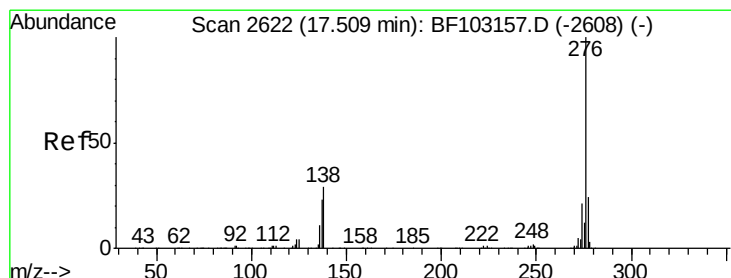
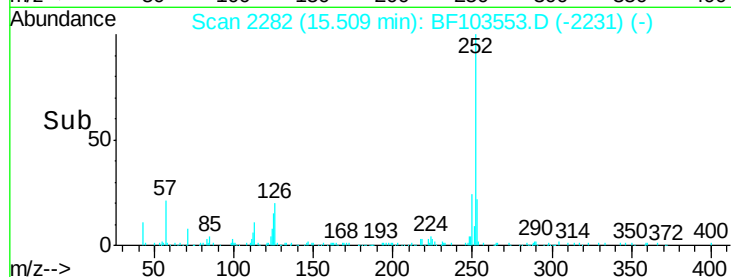
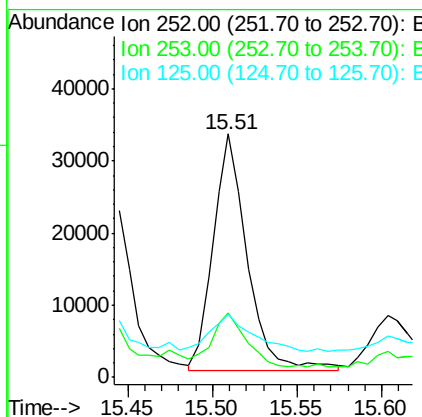
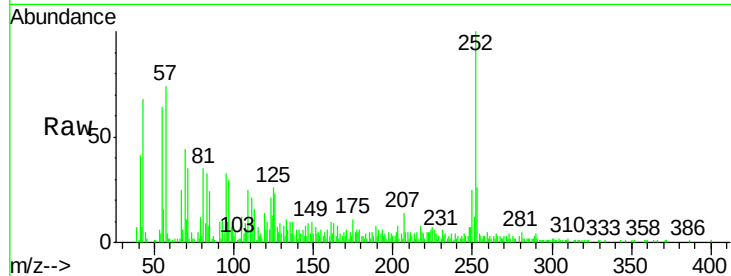
#89
Benzo(a)pyrene
Concen: 3.271 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.00 min
Lab File: BF103553.D
Acq: 9 Mar 2018 11:48

Instrument :
BNA_F
ClientSampled :
MHB-WCA

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.1	25.7#
125	25.9	9.8	14.6#

Manual Integrations
APPROVED

Sohil
3/12/2018 3:50:04 PM



#91
Benzo(g,h,i)perylene
Concen: 2.286 ng
RT: 17.60 min Scan# 2638
Delta R.T. 0.02 min
Lab File: BF103553.D
Acq: 9 Mar 2018 11:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.9	17.9	26.9#
138	38.6	21.8	32.8#

