

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013118\
 Data File : BF102666.D
 Acq On : 31 Jan 2018 20:30
 Operator : SJ/JU
 Sample : J1015-26 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-013018-D

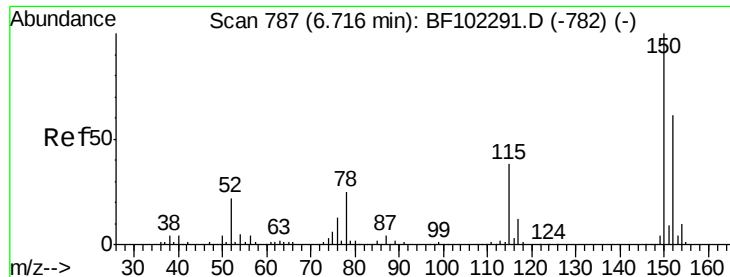
Manual Integrations
 APPROVED

Sohil
 2/1/2018 12:14:12 PM

Quant Time: Feb 01 00:38:17 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 18:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	2/1/2018 12:14:12 PM
1) 1,4-Dichlorobenzene-d4	6.70	152	159650	20.00	ng	0.00	
21) Naphthalene-d8	7.99	136	667581	20.00	ng	0.00	
38) Acenaphthene-d10	9.73	164	282476	20.00	ng	0.00	
63) Phenanthrene-d10	11.22	188	403717	20.00	ng	0.00	
75) Chrysene-d12	13.86	240	299207	20.00	ng	0.00	
86) Perylene-d12	15.29	264	237728	20.00	ng	0.00	
System Monitoring Compounds							
5) 2-Fluorophenol	5.31	112	540598	51.34	ng	0.00	
7) Phenol-d6	6.35	99	643659	50.71	ng	0.00	
23) Nitrobenzene-d5	7.27	82	384676	33.11	ng	-0.01	
41) 2,4,6-Tribromophenol	10.53	330	107804	38.52	ng	0.00	
44) 2-Fluorobiphenyl	9.06	172	685492	35.68	ng	0.00	
78) Terphenyl-d14	12.80	244	442591	33.35	ng	0.00	
Target Compounds							
49) Dimethylphthalate	9.46	163	97773	4.188	ng		Qvalue # 99
70) Phenanthrene	11.25	178	132441	5.630	ng		97
71) Anthracene	11.30	178	50951	2.122	ng		97
74) Fluoranthene	12.43	202	327245	13.641	ng		99
77) Pyrene	12.66	202	319373	13.806	ng		99
80) Benzo(a)anthracene	13.85	228	186144	10.105	ng		97
82) Chrysene	13.89	228	167026	8.929	ng		97
85) Indeno(1,2,3-cd)pyrene	16.69	276	61556	3.984	ng		98
87) Benzo(b)fluoranthene	14.89	252	198853m	12.906	ng		
88) Benzo(k)fluoranthene	14.91	252	48293m	3.317	ng		
89) Benzo(a)pyrene	15.23	252	126015	9.068	ng		# 87
91) Benzo(a,h,i)perylene	17.12	276	59897	5.389	ng		92

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



#1

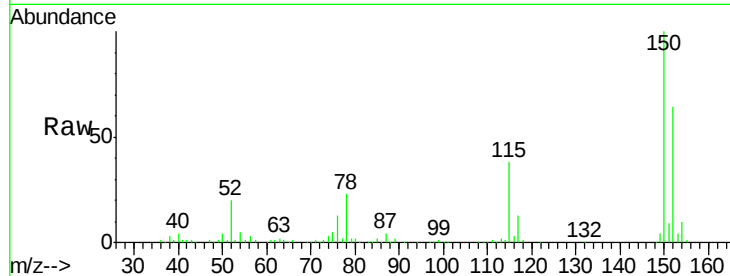
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF102666.D
Acq: 31 Jan 2018 20:30

Instrument :
BNA_F
ClientSampleId :
CL-02-013018-D

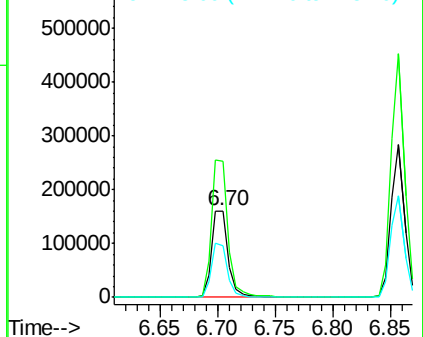
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	59.5	50.1	75.1

Manual Integrations
APPROVED

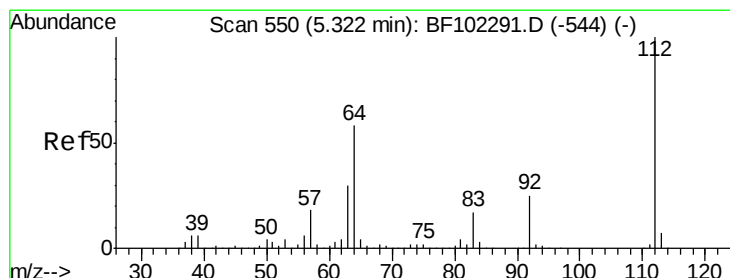
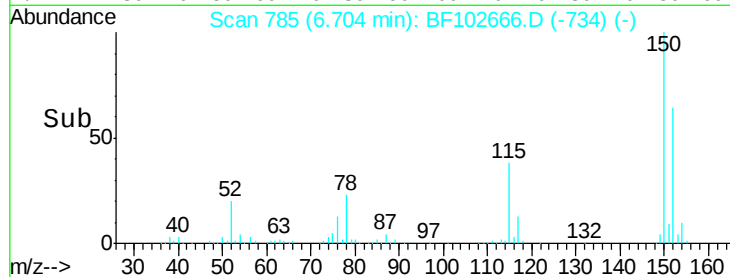
Sohil
2/1/2018 12:14:12 PM



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



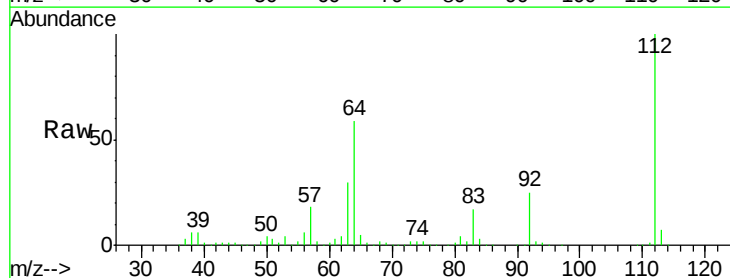
2/1/2018 12:14:12 PM



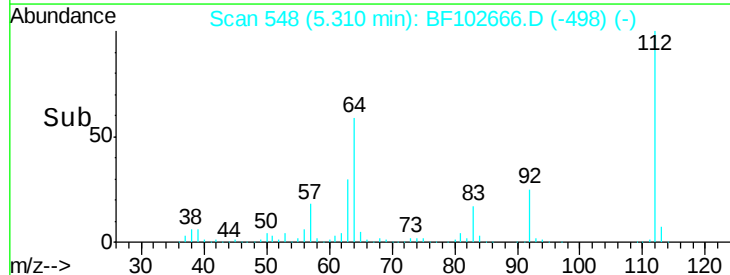
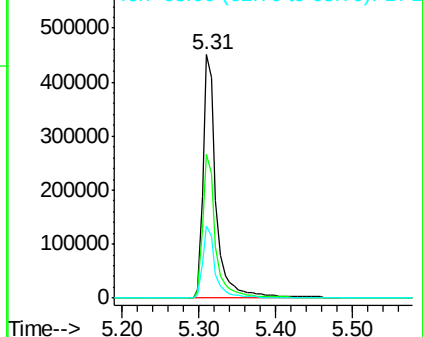
#5

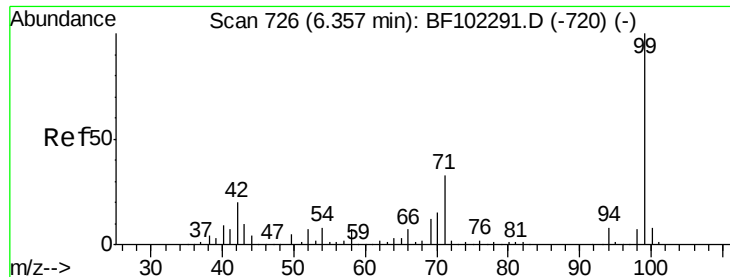
2-Fluorophenol
Concen: 51.343 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF102666.D
Acq: 31 Jan 2018 20:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.9	71.9
63	29.7	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: 50.706 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102666.D

Acq: 31 Jan 2018 20:30

Instrument :

BNA_F

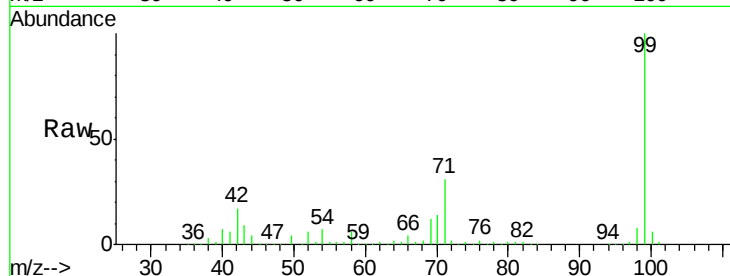
ClientSampled :

CL-02-013018-D

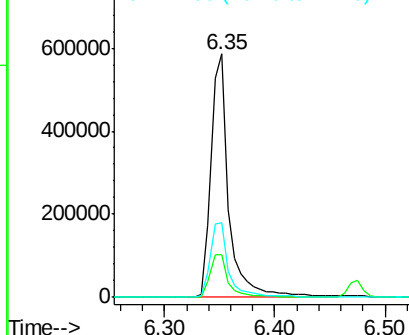
Tot Ion:	99	Resp:	643659
Ion Ratio	Lower	Upper	
99	100		
42	17.4	14.5	21.7
71	30.8	25.4	38.0

Manual Integrations
APPROVED

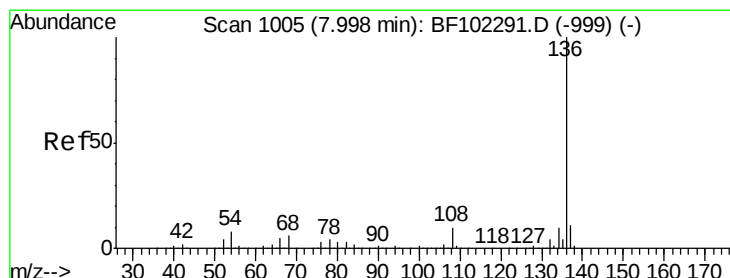
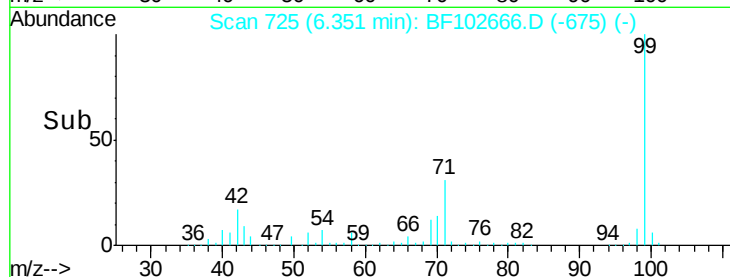
Sohil
2/1/2018 12:14:12 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



2/1/2018 12:14:12 PM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

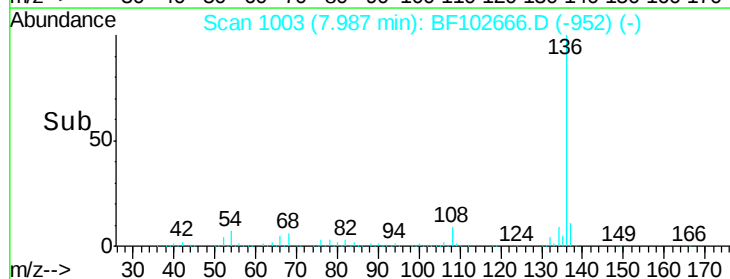
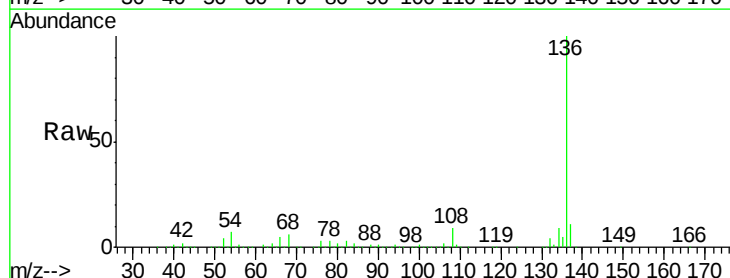
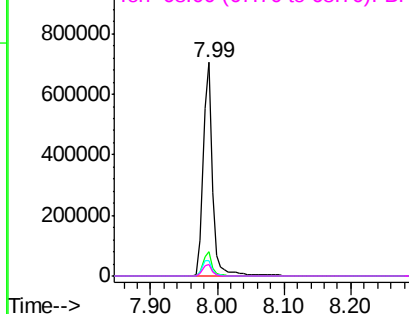
Delta R.T. 0.00 min

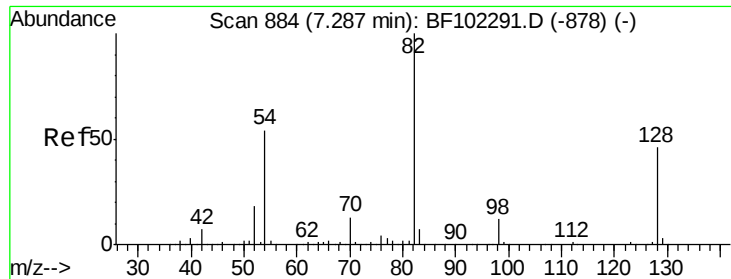
Lab File: BF102666.D

Acq: 31 Jan 2018 20:30

Tgt Ion:	136	Resp:	667581
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.4	6.6	9.8
68	5.7	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





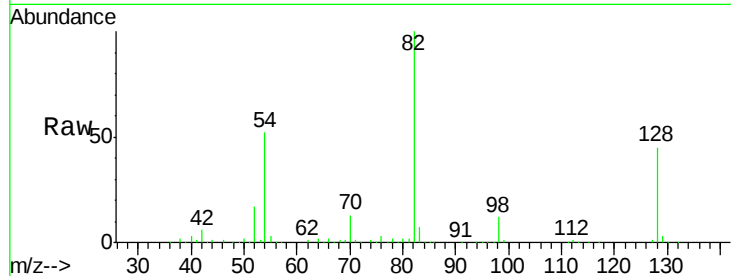
#23
Nitrobenzene-d5
Concen: 33.114 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF102666.D
Acq: 31 Jan 2018 20:30

Instrument :
BNA_F
ClientSampleId :
CL-02-013018-D

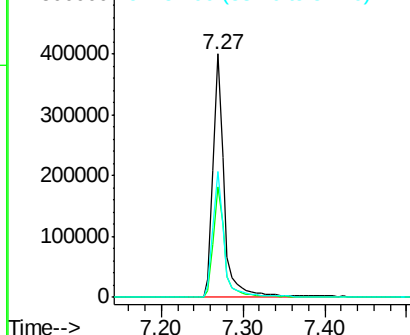
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	52.0	41.4	62.2

Manual Integrations
APPROVED

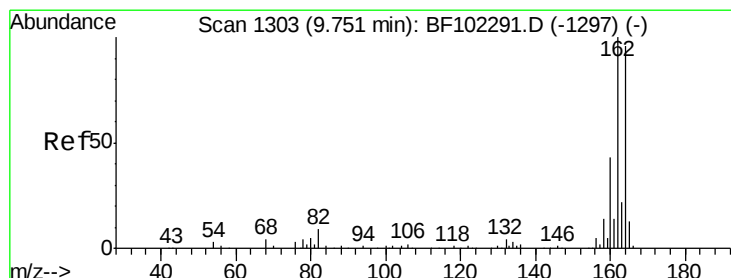
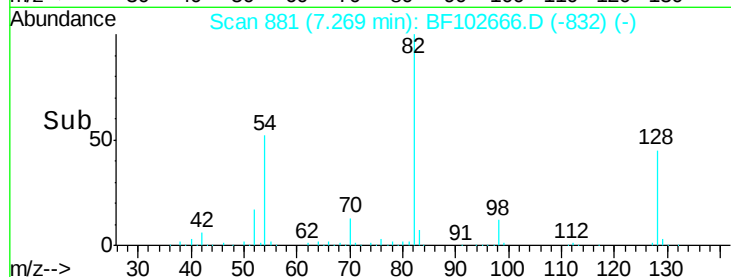
Sohil
2/1/2018 12:14:12 PM



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

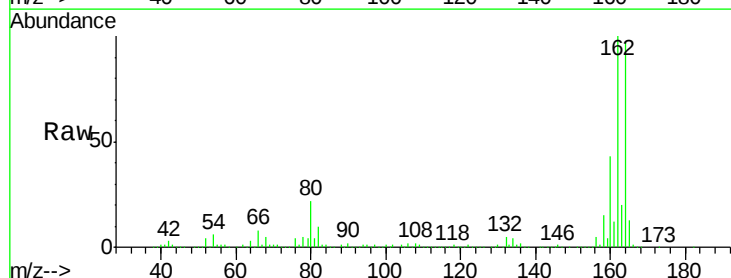


2/1/2018 12:14:12 PM

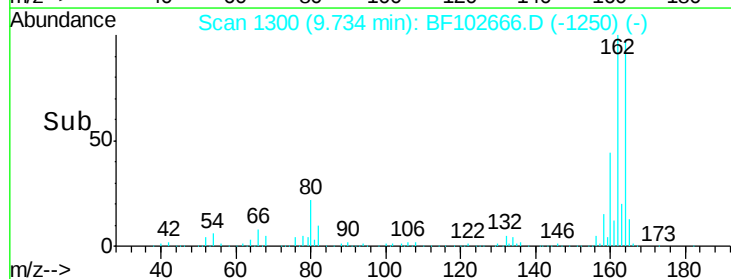
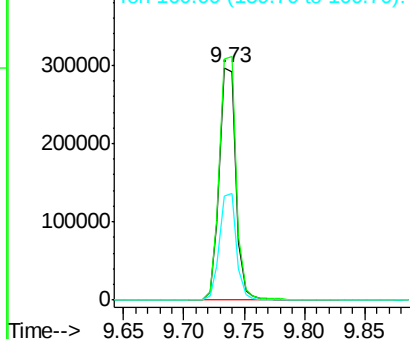


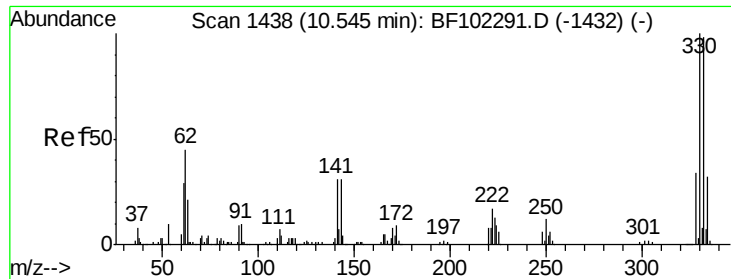
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF102666.D
Acq: 31 Jan 2018 20:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	45.0	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: 38.516 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF102666.D

Acq: 31 Jan 2018 20:30

Instrument :

BNA_F

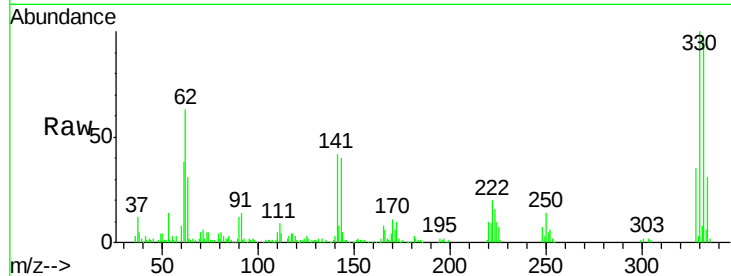
ClientSampled :

CL-02-013018-D

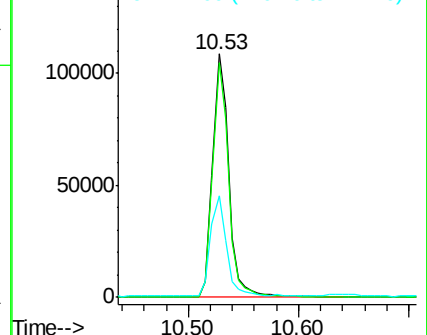
Tot Ion:	330	Resp:	107804
Ion Ratio	Lower	Upper	
330	100		
332	94.8	77.0	115.6
141	40.3	29.9	44.9

Manual Integrations
APPROVED

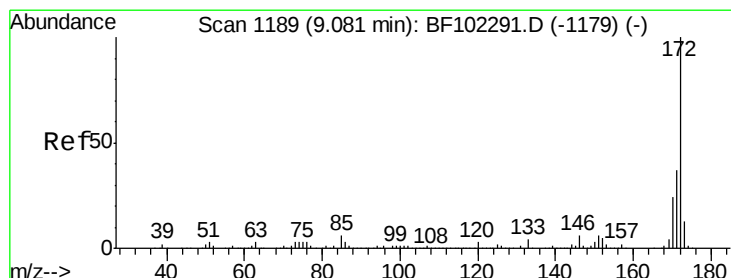
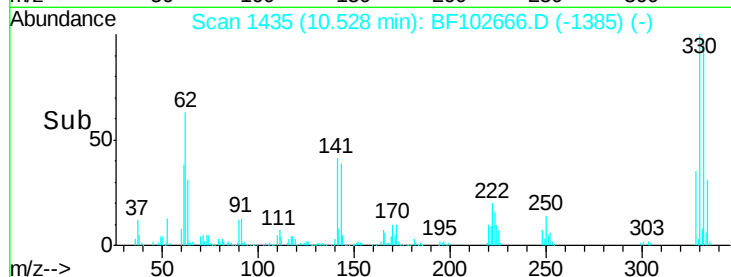
Sohil
2/1/2018 12:14:12 PM



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



2/1/2018 12:14:12 PM



#44

2-Fluorobiphenyl

Concen: 35.681 ng

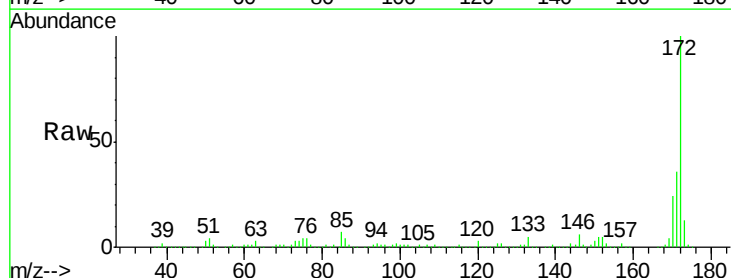
RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

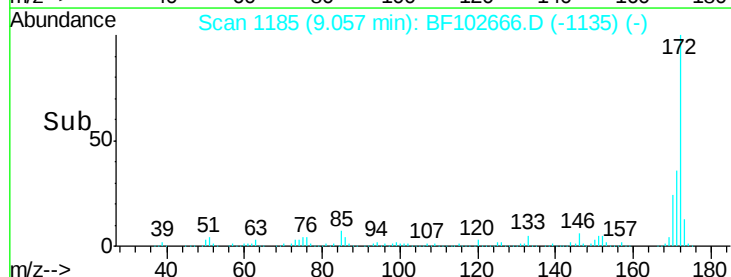
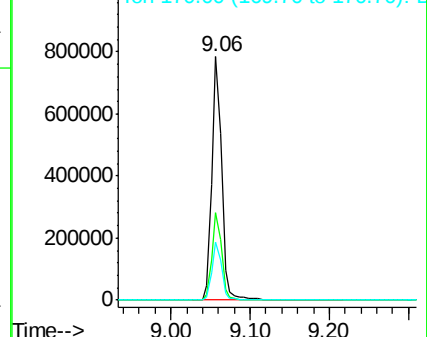
Lab File: BF102666.D

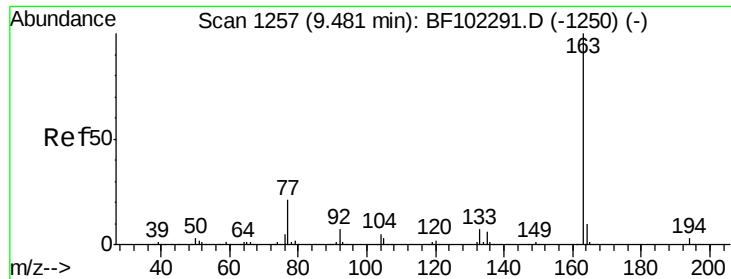
Acq: 31 Jan 2018 20:30

Tgt Ion:	172	Resp:	685492
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.7	44.5
170	23.9	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





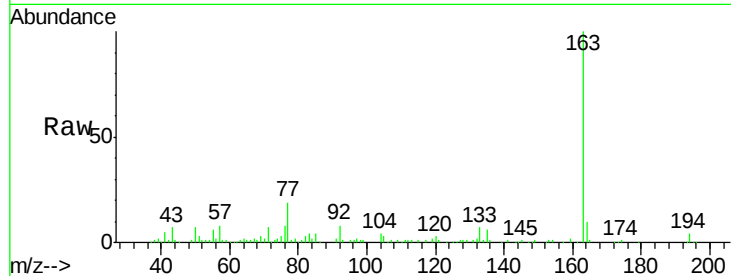
#49
Dimethylphthalate
Concen: 4.188 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF102666.D
Acq: 31 Jan 2018 20:30

Instrument :
BNA_F
ClientSampleId :
CL-02-013018-D

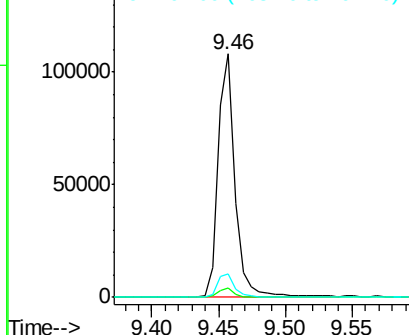
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		97773		
194	4.1		2.7	4.1#	
164	9.9		8.2	12.2	

Manual Integrations
APPROVED

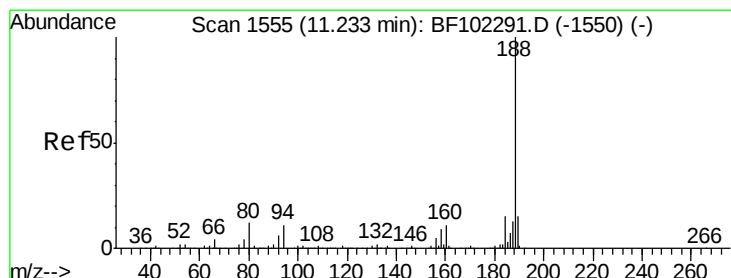
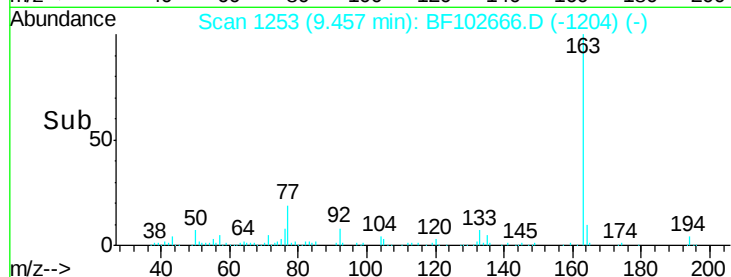
Sohil
2/1/2018 12:14:12 PM



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

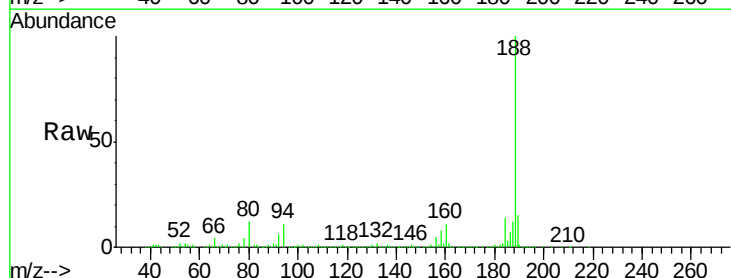


2/1/2018 12:14:12 PM

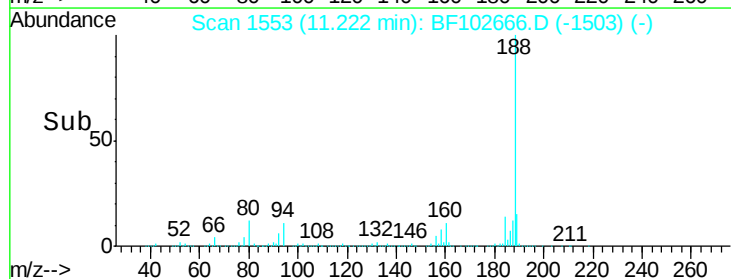
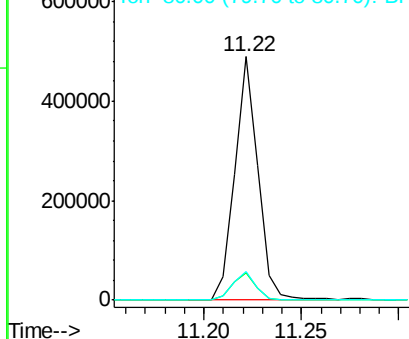


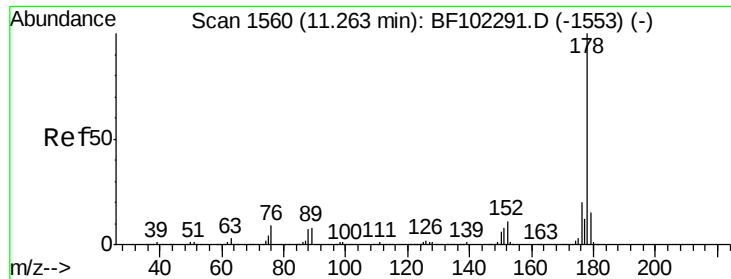
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF102666.D
Acq: 31 Jan 2018 20:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		403717		
94	11.0		8.5	12.7	
80	11.6		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: 5.630 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF102666.D

Acq: 31 Jan 2018 20:30

Instrument :

BNA_F

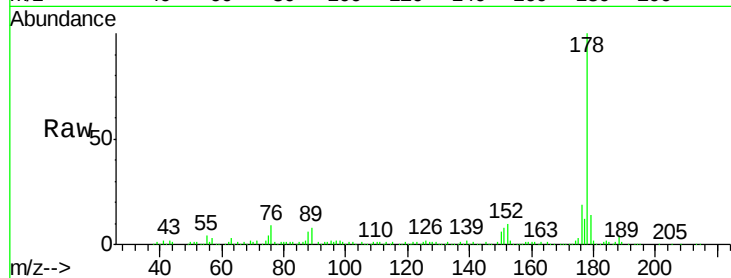
ClientSampleId :

CL-02-013018-D

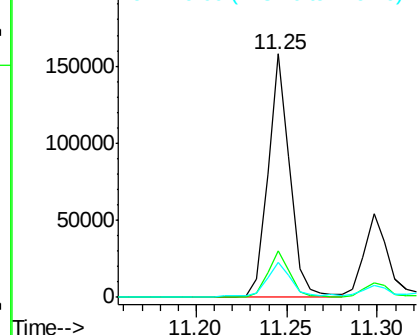
Tot Ion:	178	Resp:	132441
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.8	23.8
179	14.2	13.0	19.6

Manual Integrations
APPROVED

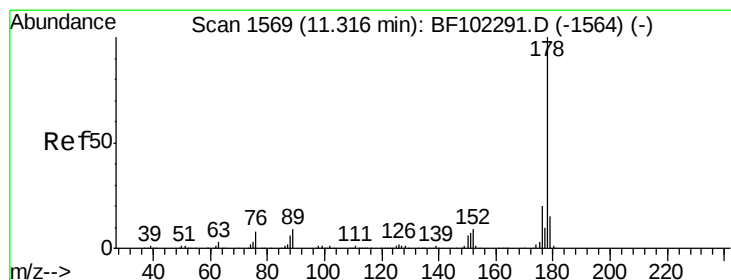
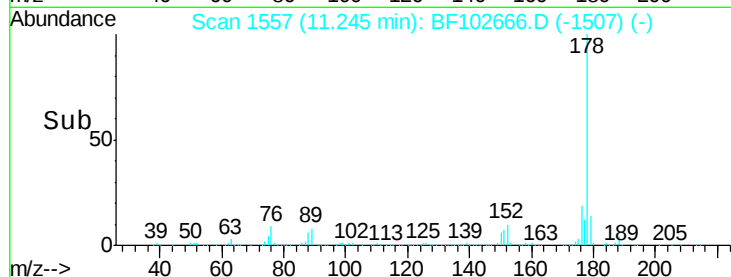
Sohil
2/1/2018 12:14:12 PM



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



2/1/2018 12:14:12 PM



#71

Anthracene

Concen: 2.122 ng

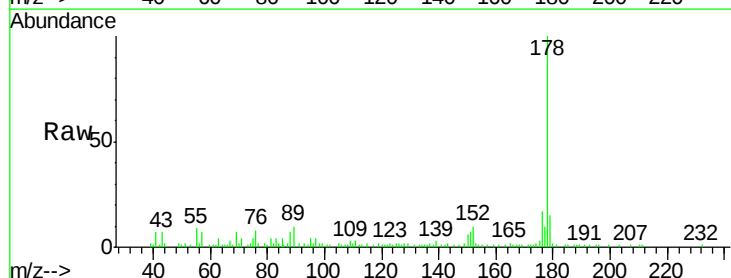
RT: 11.30 min Scan# 1566

Delta R.T. -0.01 min

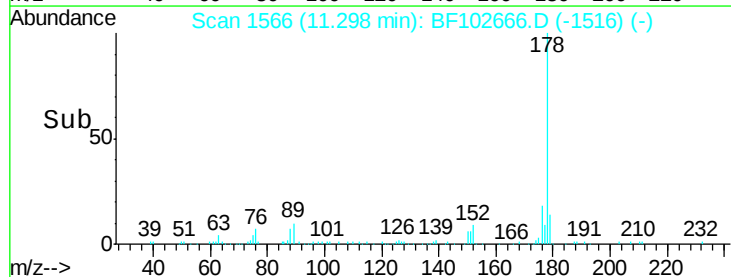
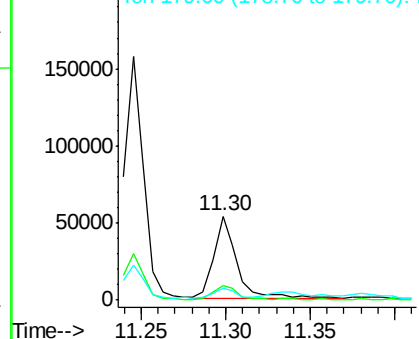
Lab File: BF102666.D

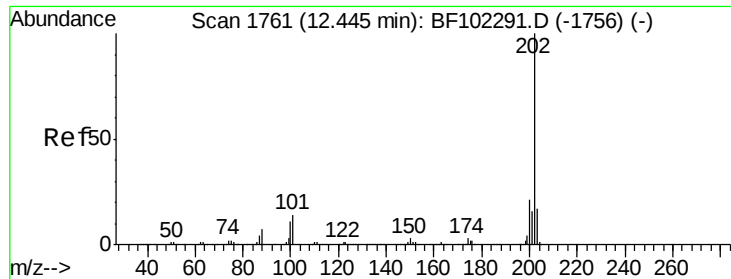
Acq: 31 Jan 2018 20:30

Tgt Ion:	178	Resp:	50951
Ion Ratio	Lower	Upper	
178	100		
176	17.5	15.4	23.2
179	14.7	12.6	19.0



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





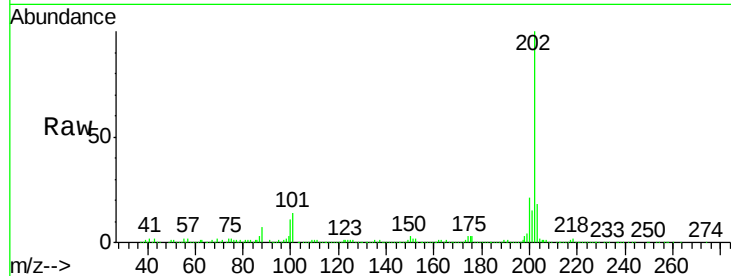
#74
Fluoranthene
Concen: 13.641 ng
RT: 12.43 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BF102666.D
Acq: 31 Jan 2018 20:30

Instrument :
BNA_F
ClientSampleId :
CL-02-013018-D

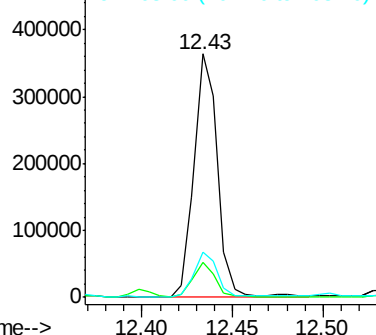
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.4	0.0	34.1
203	18.4	0.0	38.1

Manual Integrations
APPROVED

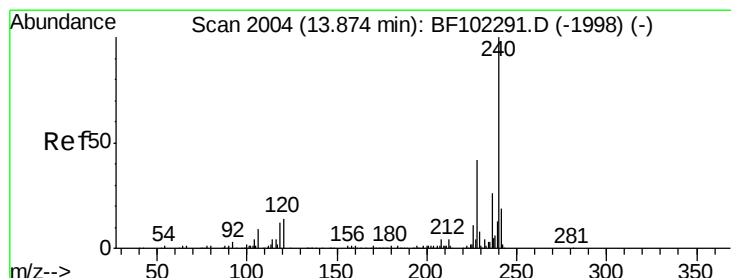
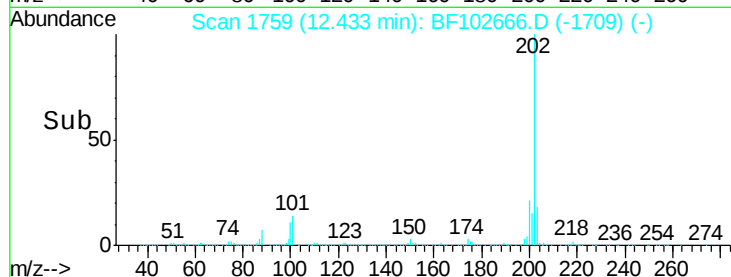
Sohil
2/1/2018 12:14:12 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

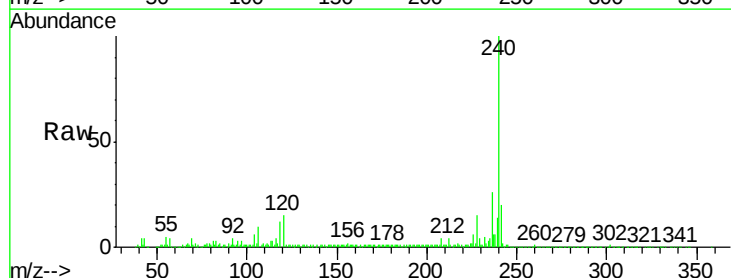


2/1/2018 12:14:12 PM

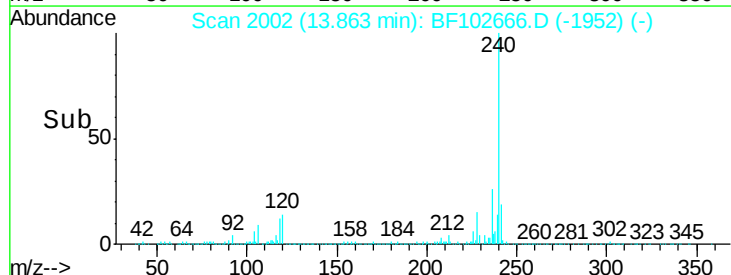
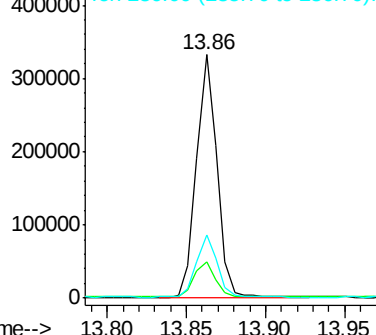


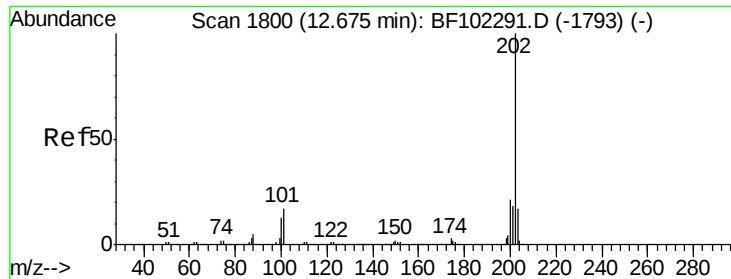
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102666.D
Acq: 31 Jan 2018 20:30

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.7	9.5	14.3#
236	25.9	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





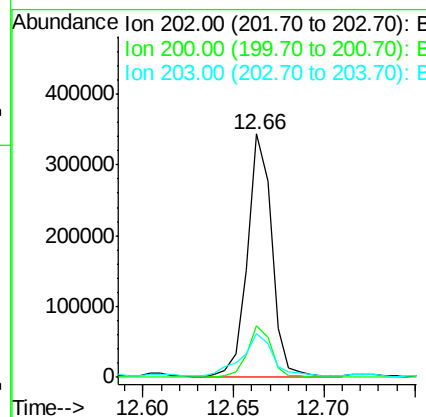
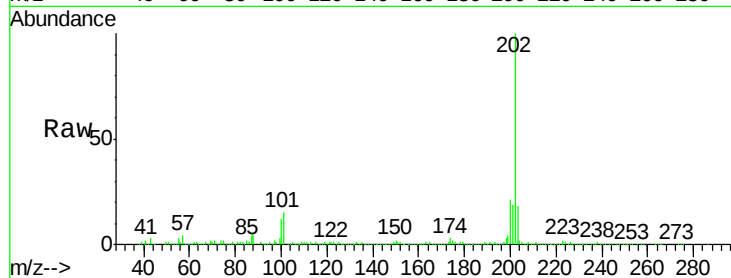
#77
Pvrene
Concen: 13.806 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF102666.D
Acq: 31 Jan 2018 20:30

Instrument :
BNA_F
ClientSampleId :
CL-02-013018-D

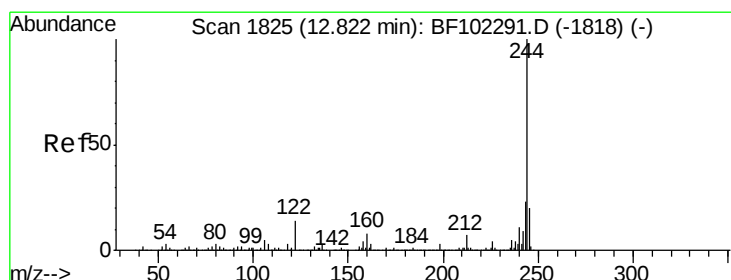
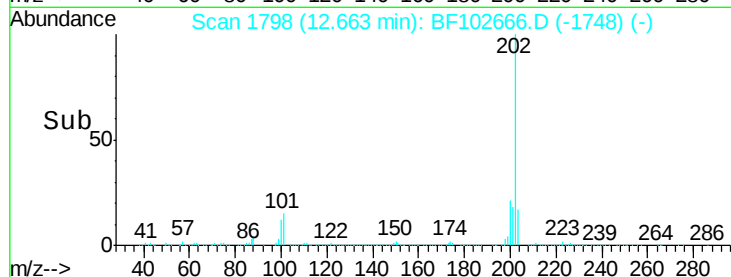
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	18.1	14.3	21.5

Manual Integrations
APPROVED

Sohil
2/1/2018 12:14:12 PM

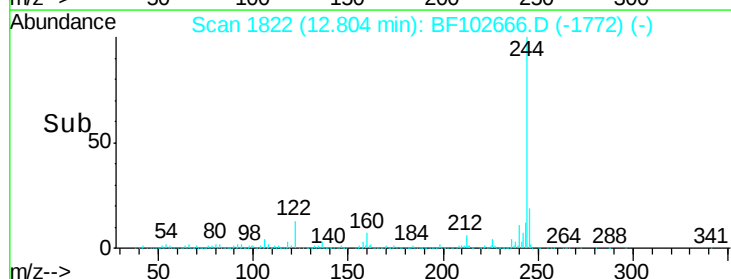
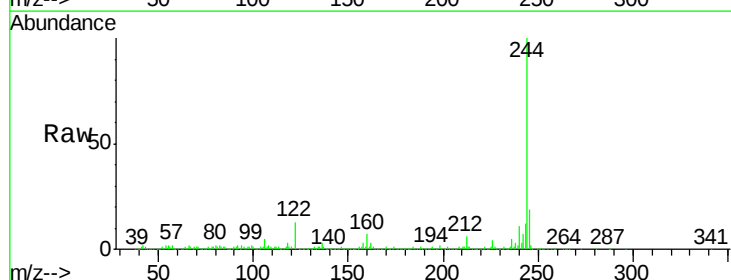
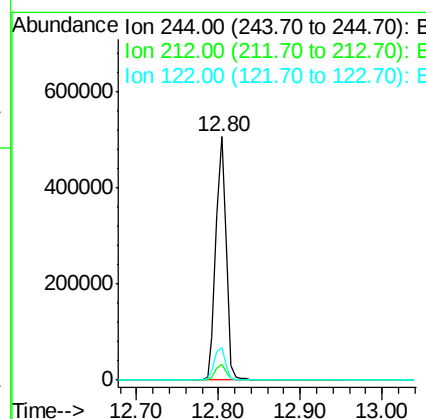


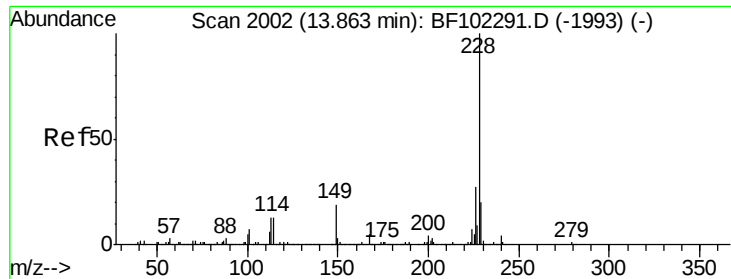
2/1/2018 12:14:12 PM



#78
Terphenyl-d14
Concen: 33.347 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF102666.D
Acq: 31 Jan 2018 20:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	13.3	11.0	16.4





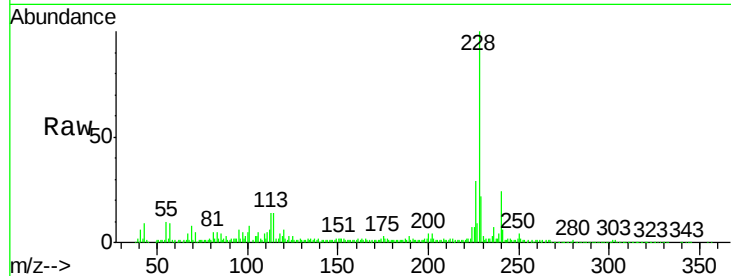
#80
Benzo(a)anthracene
Concen: 10.105 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF102666.D
Acq: 31 Jan 2018 20:30

Instrument :
BNA_F
ClientSampleId :
CL-02-013018-D

Tot Ion	Ratio	Resp	Lower	Upper
228	100	186144		
226	29.1	22.6	33.8	
229	22.1	15.8	23.6	

Manual Integrations
APPROVED

Sohil
2/1/2018 12:14:12 PM

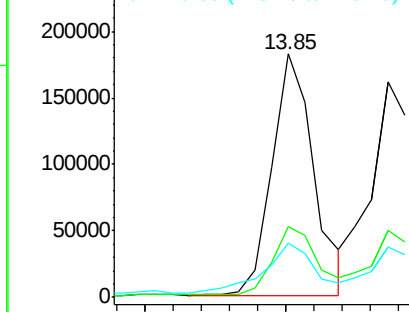


Abundance

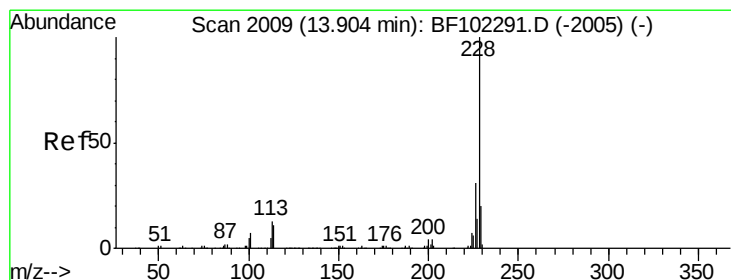
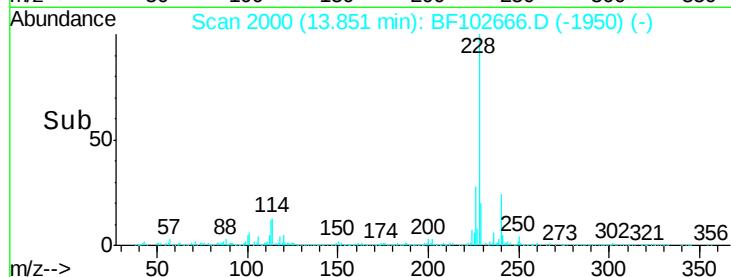
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

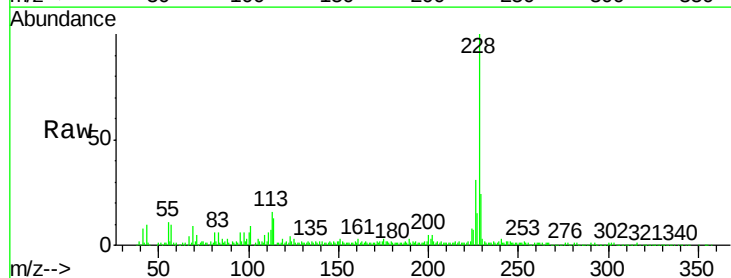


2/1/2018 12:14:12 PM



#82
Chrysene
Concen: 8.929 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF102666.D
Acq: 31 Jan 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	167026		
226	31.0	25.0	37.6	
229	23.6	16.2	24.4	

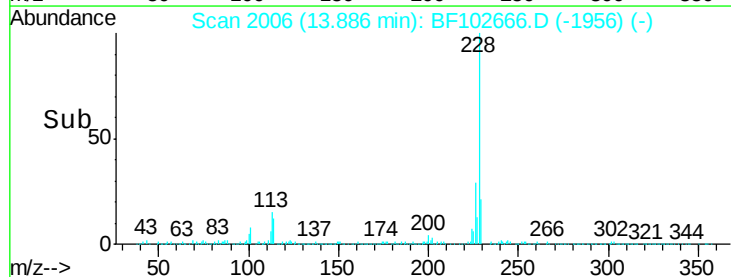
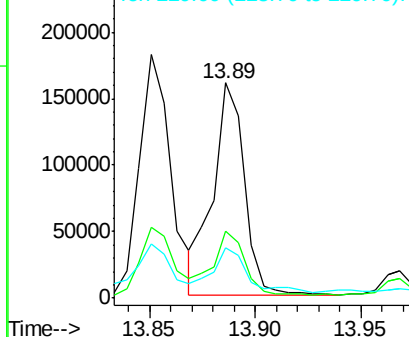


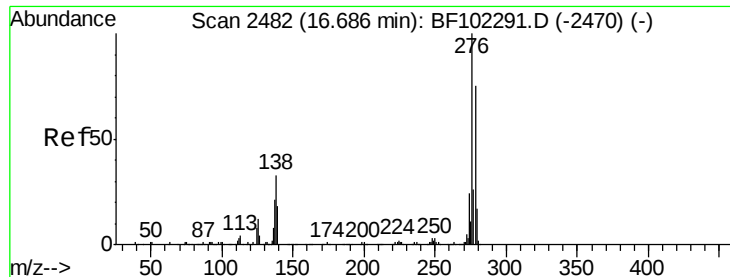
Abundance

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





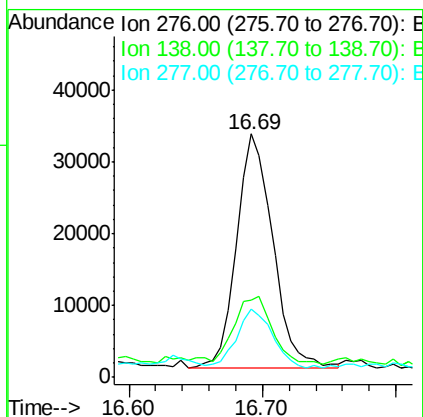
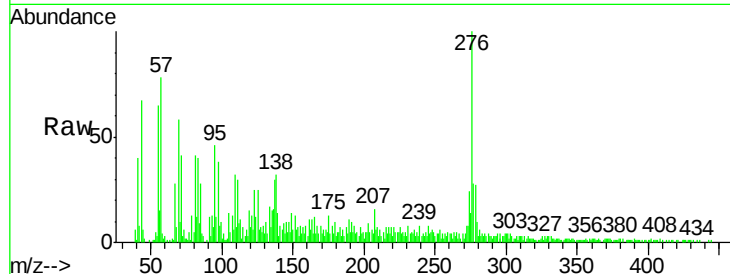
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.984 ng
RT: 16.69 min Scan# 2483
Delta R.T. 0.01 min
Lab File: BF102666.D
Acq: 31 Jan 2018 20:30

Instrument :
BNA_F
ClientSampleId :
CL-02-013018-D

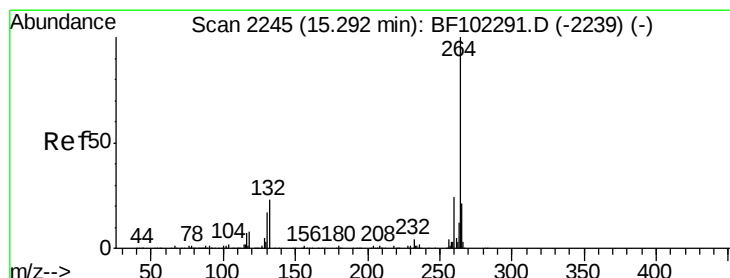
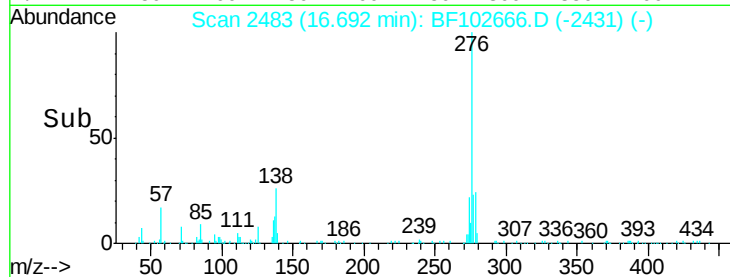
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.3	25.0	37.6
277	24.8	20.1	30.1

Manual Integrations
APPROVED

Sohil
2/1/2018 12:14:12 PM

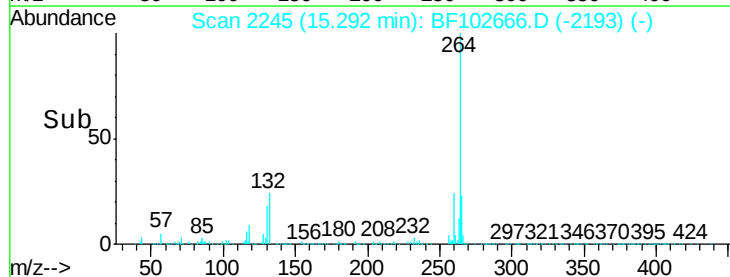
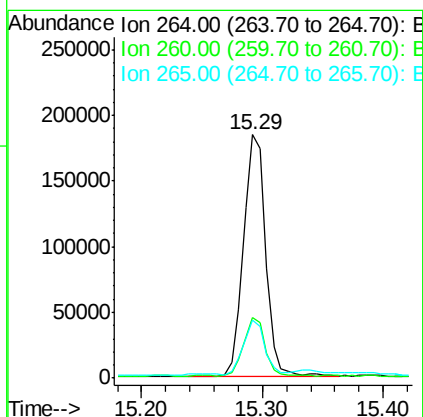
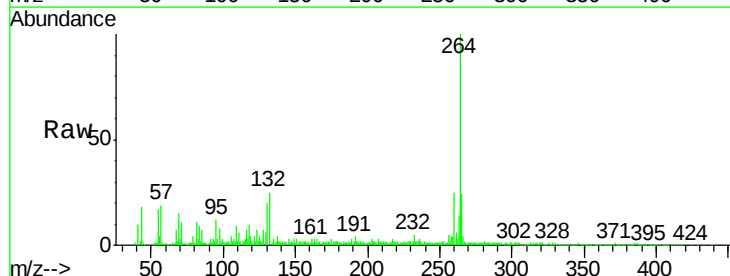


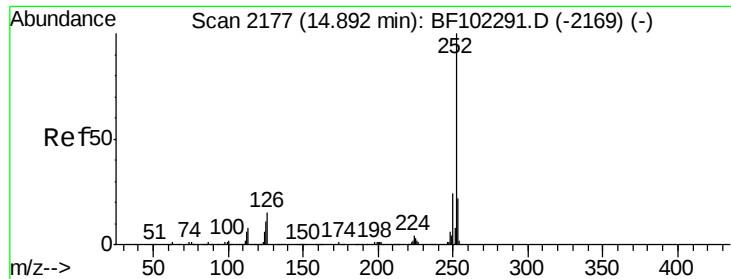
2/1/2018 12:14:12 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BF102666.D
Acq: 31 Jan 2018 20:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	23.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 12.906 ng m

RT: 14.89 min Scan# 2176

Delta R.T. 0.01 min

Lab File: BF102666.D

Acq: 31 Jan 2018 20:30

Instrument :

BNA_F

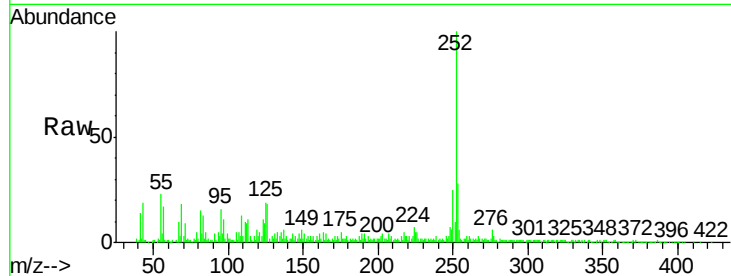
ClientSampleId :

CL-02-013018-D

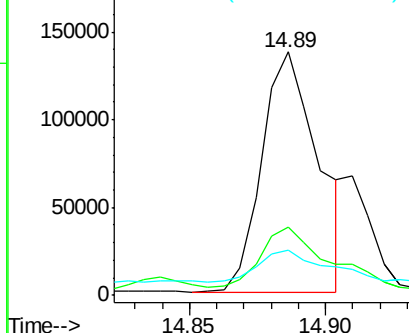
Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100		198853		
253	27.8	17.0	25.6#		
125	18.8	9.0	13.6#		

Manual Integrations
APPROVED

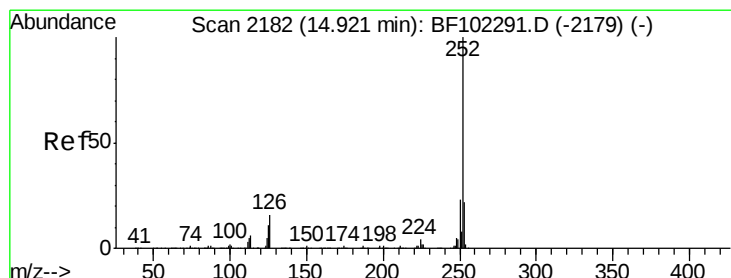
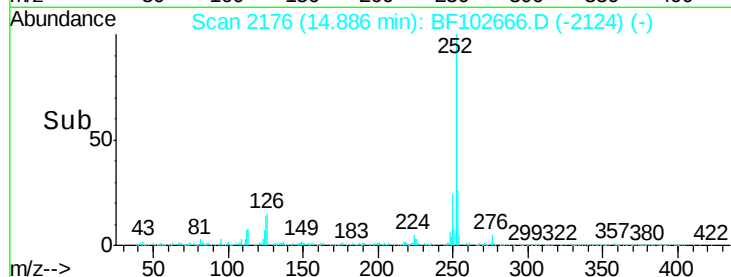
Sohil
2/1/2018 12:14:12 PM



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



2/1/2018 12:14:12 PM



#88

Benzo(k)fluoranthene

Concen: 3.317 ng m

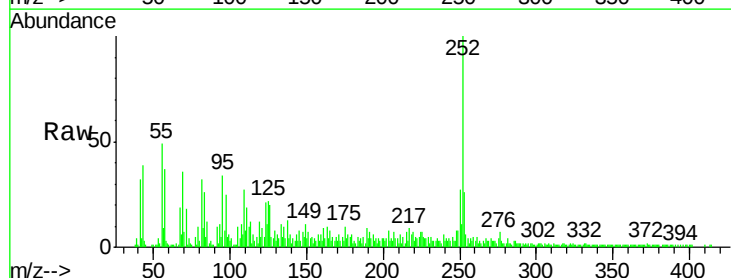
RT: 14.91 min Scan# 2180

Delta R.T. 0.00 min

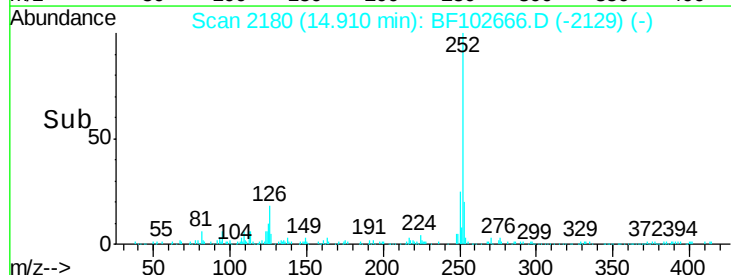
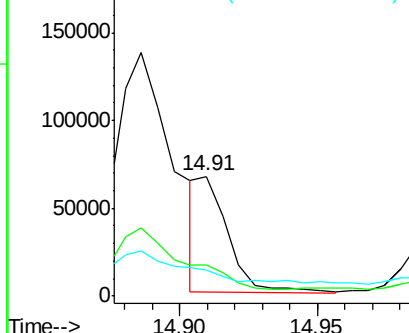
Lab File: BF102666.D

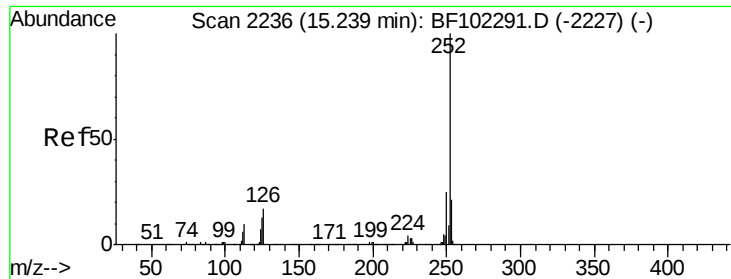
Acq: 31 Jan 2018 20:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100		48293		
253	26.4	17.9	26.9		
125	21.9	10.2	15.2#		



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





#89

Benzo(a)pyrene

Concen: 9.068 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.01 min

Lab File: BF102666.D

Acq: 31 Jan 2018 20:30

Instrument :

BNA_F

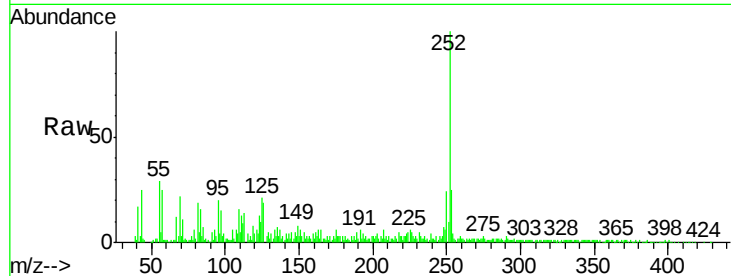
ClientSampleId :

CL-02-013018-D

Tot Ion:	252	Resp:	126015
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.1	25.7
125	20.8	9.8	14.6#

Manual Integrations
APPROVED

Sohil
2/1/2018 12:14:12 PM

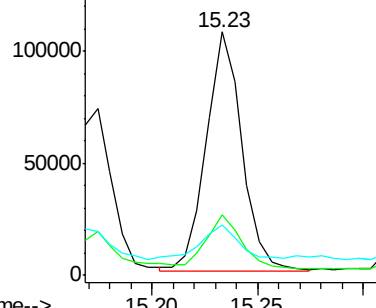


Abundance

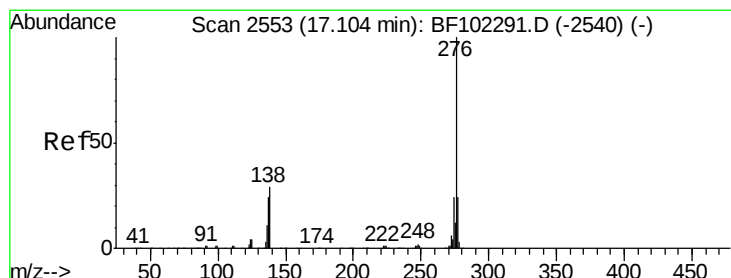
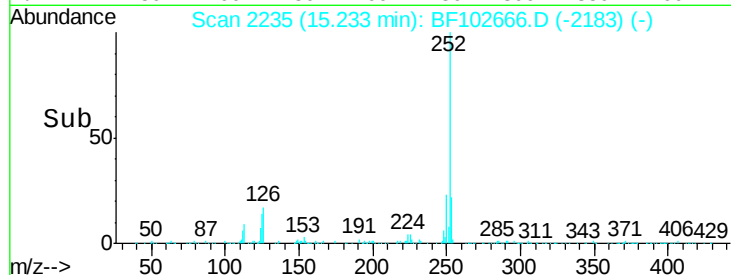
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



2/1/2018 12:14:12 PM



#91

Benzo(g,h,i)perylene

Concen: 5.389 ng

RT: 17.12 min Scan# 2555

Delta R.T. 0.01 min

Lab File: BF102666.D

Acq: 31 Jan 2018 20:30

Tgt Ion:	276	Resp:	59897
Ion Ratio	Lower	Upper	
276	100		
277	24.9	17.9	26.9
138	32.3	21.8	32.8

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

