

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102330.D
 Acq On : 23 Jan 2018 7:24
 Operator : SJ/JU
 Sample : J1214-01 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-01

Manual Integrations
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 1/23/2018 4:08:34 PM

Quant Time: Jan 23 14:27:02 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	127822	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	515236	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	210729	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	306948	20.00	ng	0.00
75) Chrysene-d12	13.87	240	260500	20.00	ng	0.00
86) Perylene-d12	15.30	264	191090	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	407465	48.33	ng	0.00
7) Phenol-d6	6.36	99	483955	47.62	ng	0.00
23) Nitrobenzene-d5	7.28	82	272608	30.41	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	81890	39.22	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	339745	23.71	ng	0.00
78) Terphenyl-d14	12.82	244	240578	20.82	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.37	94	25663	2.313	ng	99
31) Naphthalene	8.02	128	510890	19.860	ng	99
37) 2-Methylnaphthalene	8.71	142	102025	5.955	ng	99
45) 1,1'-Biphenyl	9.17	154	69748	3.702	ng	98
48) Acenaphthylene	9.62	152	214025	9.380	ng	99
49) Dimethylphthalate	9.47	163	56207	3.227	ng	99
51) Acenaphthene	9.78	154	38011	2.852	ng	97
57) Fluorene	10.30	166	166045	11.619	ng	99
70) Phenanthrene	11.26	178	729176	40.767	ng	99
71) Anthracene	11.32	178	491306	26.911	ng	99
74) Fluoranthene	12.45	202	411646	22.568	ng	98
77) Pyrene	12.68	202	534922	26.559	ng	99
80) Benzo(a)anthracene	13.87	228	149140m	9.299	ng	
82) Chrysene	13.90	228	145985	8.964	ng	99
85) Indeno(1,2,3-cd)pyrene	16.68	276	35557	2.644	ng	97
87) Benzo(b)fluoranthene	14.90	252	98485m	7.952	ng	
88) Benzo(k)fluoranthene	14.92	252	33090m	2.828	ng	
89) Benzo(a)pyrene	15.24	252	93830	8.400	ng	# 95
91) Benzo(a,h,i)perylene	17.10	276	39547	4.426	ng	98

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

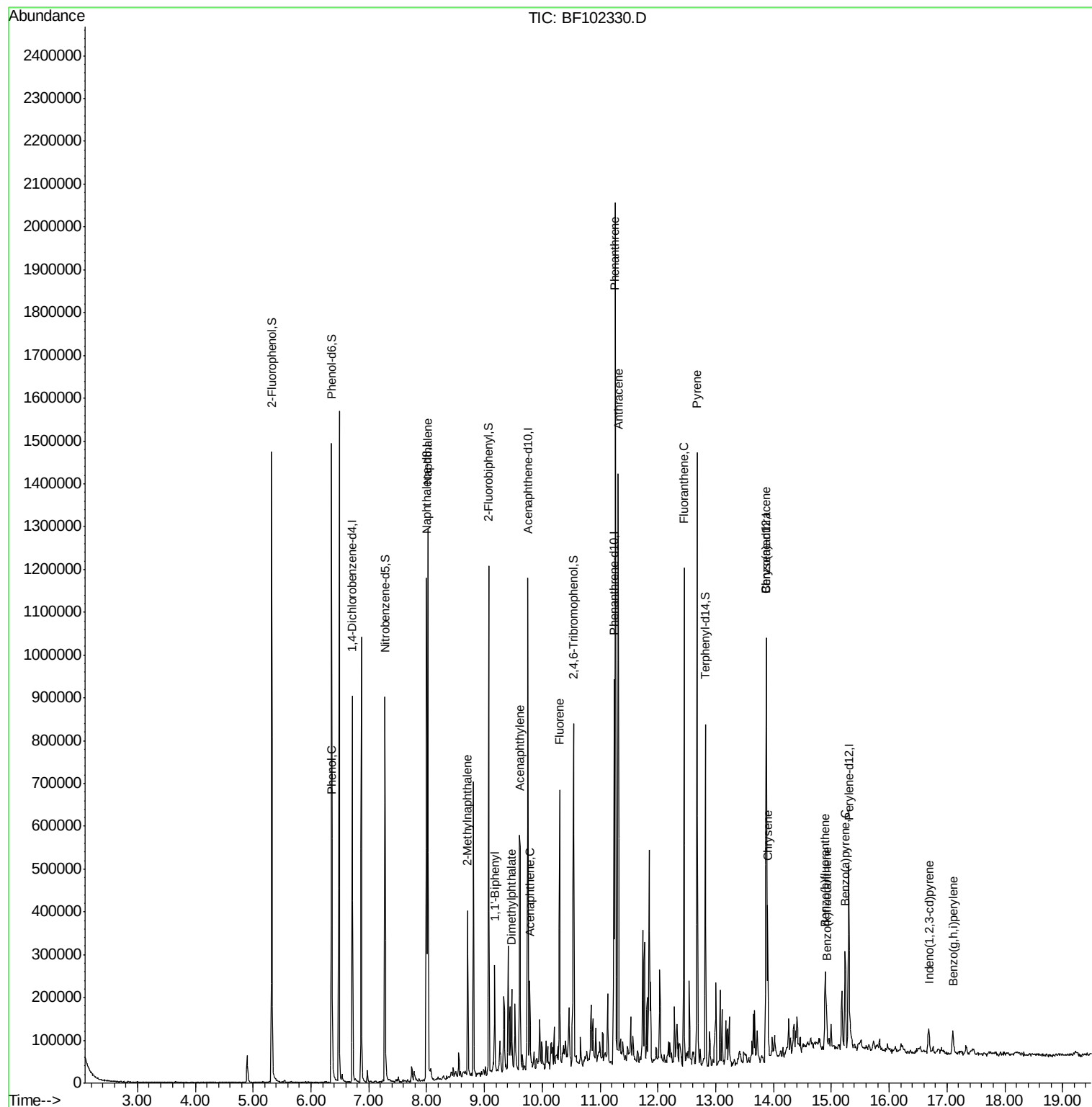
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
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ALS Vial : 33 Sample Multiplier: 1

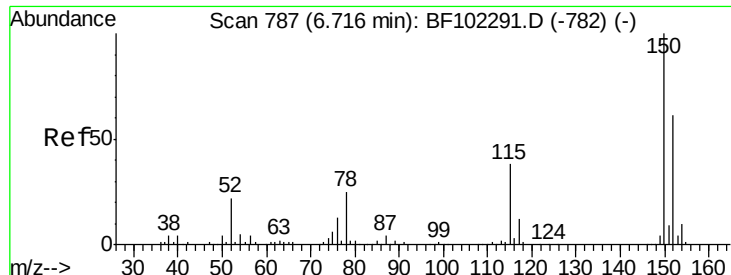
Instrument :
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#1

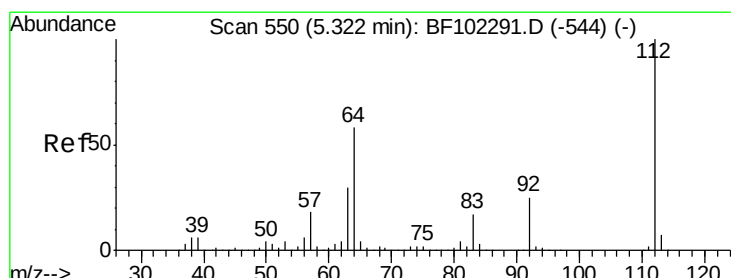
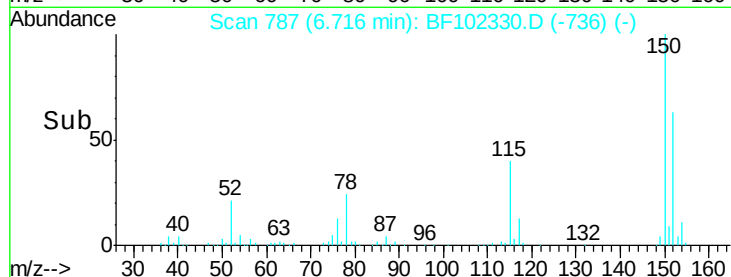
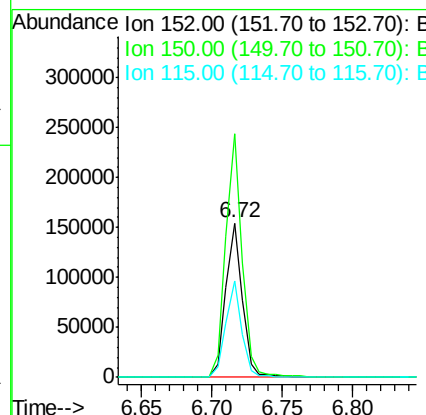
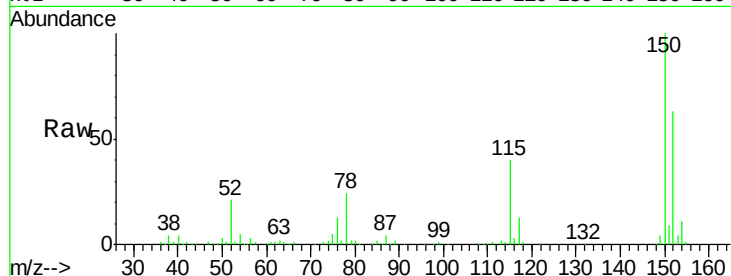
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102330.D
Acq: 23 Jan 2018 7:24

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	62.4	50.1	75.1

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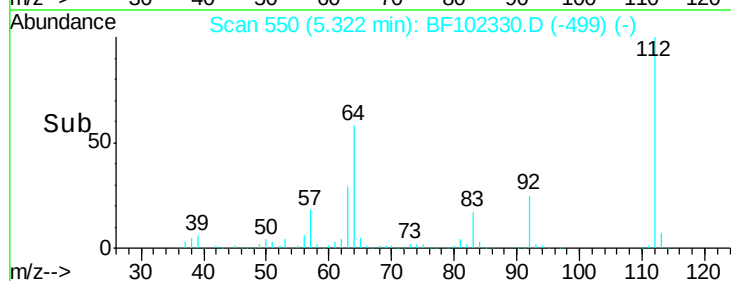
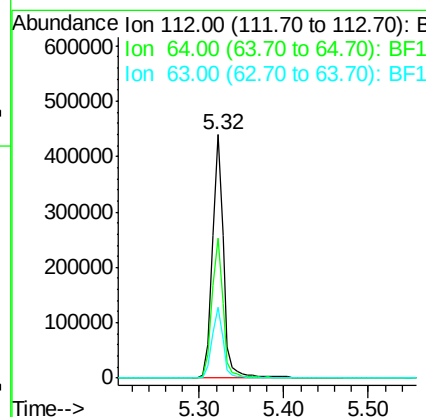
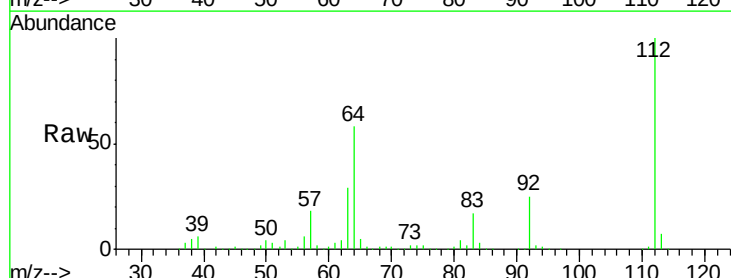
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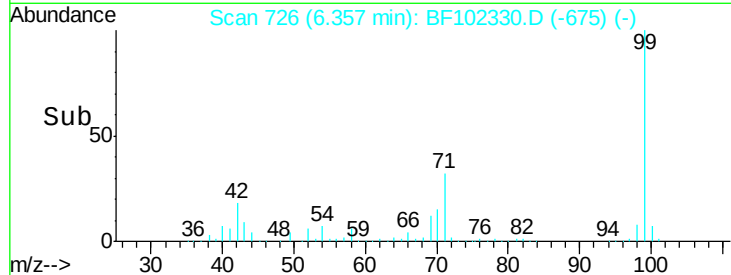
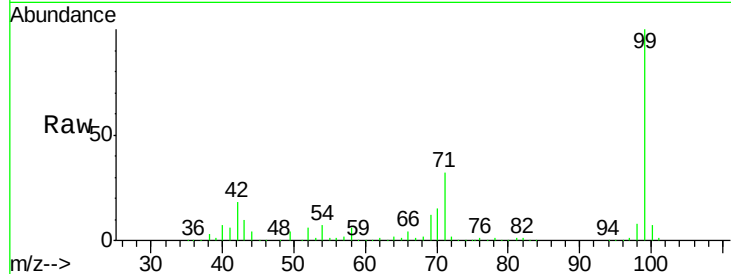
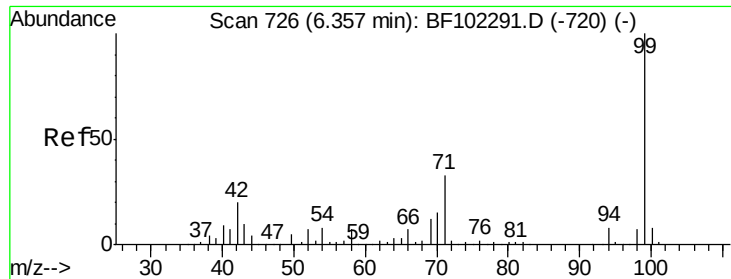


#5

2-Fluorophenol
Concen: 48.335 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF102330.D
Acq: 23 Jan 2018 7:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	47.9	71.9
63	29.3	23.7	35.5





#7

Phenol-d6

Concen: 47.618 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102330.D

Acq: 23 Jan 2018 7:24

Tot Ion:	99	Resp:	483955
Ion Ratio	Lower	Upper	
99	100		
42	17.9	14.5	21.7
71	32.3	25.4	38.0

Instrument :

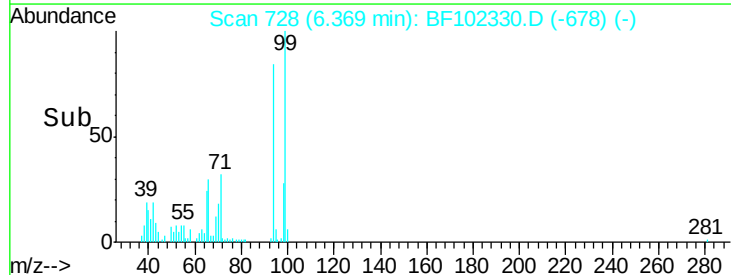
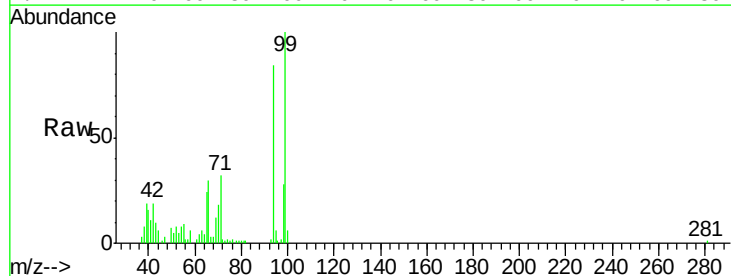
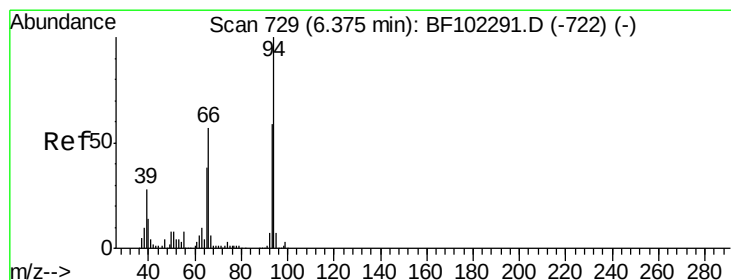
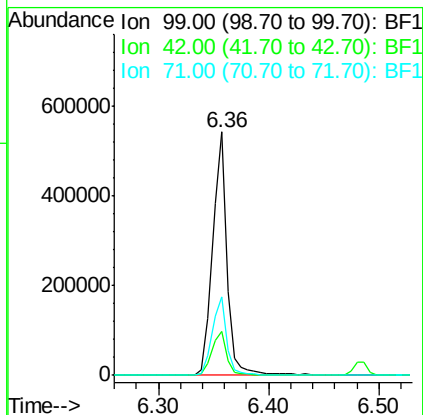
BNA_F

ClientSampled :

WC-PH3-MGP-01

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#10

Phenol

Concen: 2.313 ng

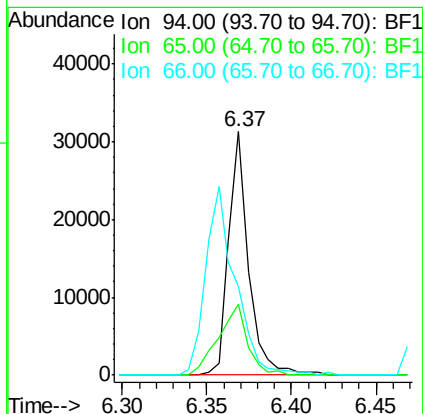
RT: 6.37 min Scan# 728

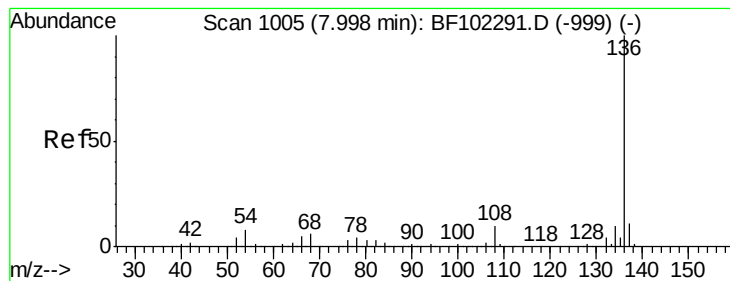
Delta R.T. -0.01 min

Lab File: BF102330.D

Acq: 23 Jan 2018 7:24

Tgt Ion:	94	Resp:	25663
Ion Ratio	Lower	Upper	
94	100		
65	28.9	7.9	47.9
66	36.3	16.2	56.2





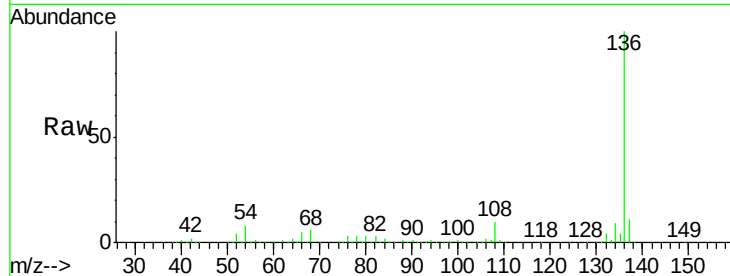
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102330.D
Acq: 23 Jan 2018 7:24

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-01

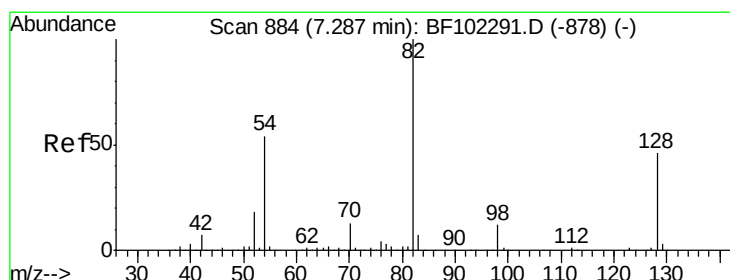
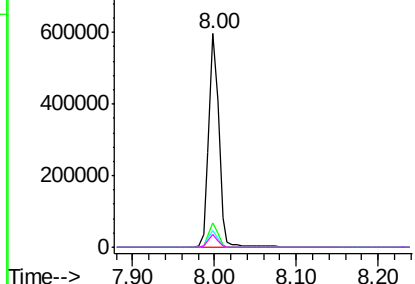
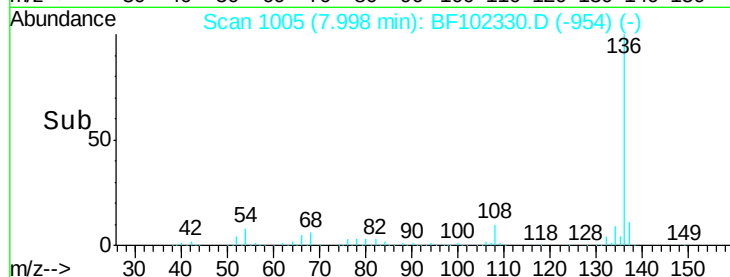
Tot Ion	Ratio	Resp	Lower	Upper
136	100	515236		
137	11.3	8.9	13.3	
54	8.1	6.6	9.8	
68	5.7	5.0	7.4	

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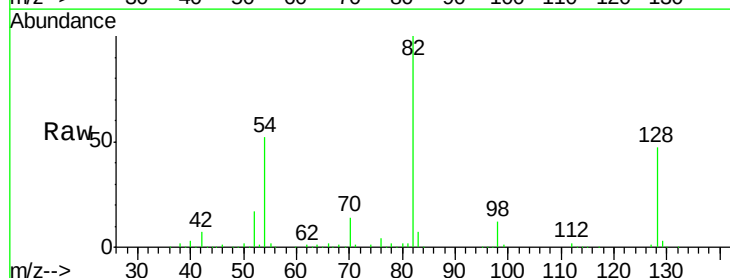


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

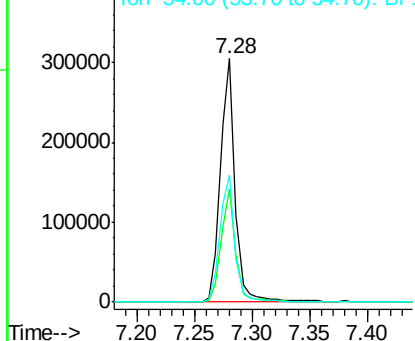
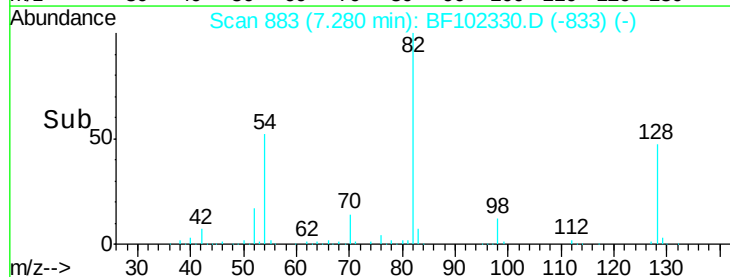


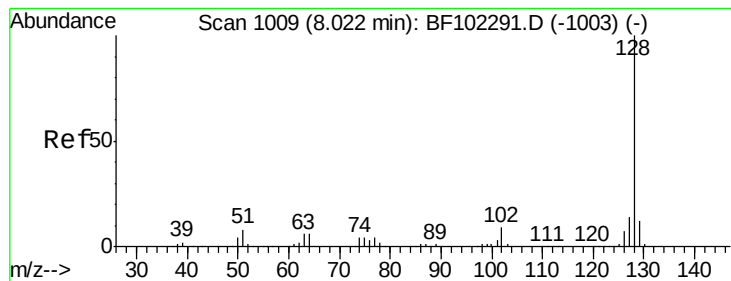
#23
Nitrobenzene-d5
Concen: 30.405 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102330.D
Acq: 23 Jan 2018 7:24

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	272608		
128	46.7	36.1	54.1	
54	52.5	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 19.860 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF102330.D

Acq: 23 Jan 2018 7:24

Instrument :

BNA_F

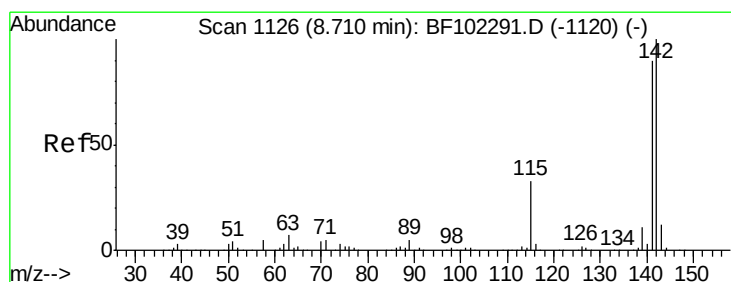
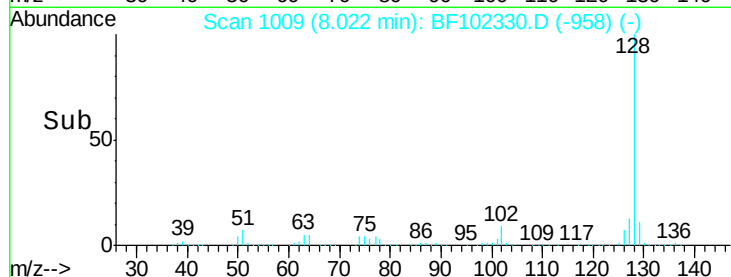
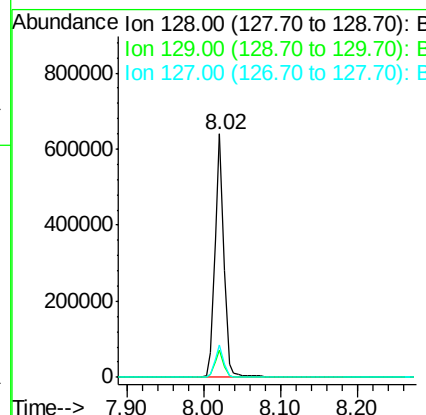
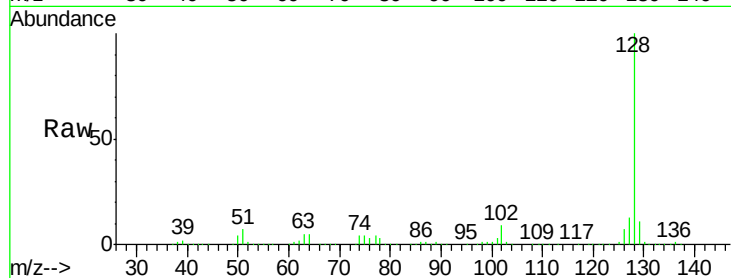
ClientSampleId :

WC-PH3-MGP-01

Tot Ion:	128	Resp:	510890
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.8	13.2
127	13.3	10.9	16.3

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#37

2-Methylnaphthalene

Concen: 5.955 ng

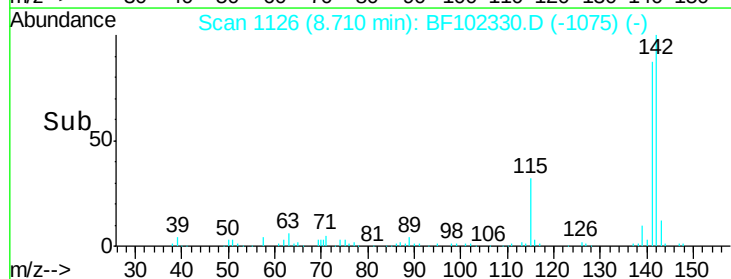
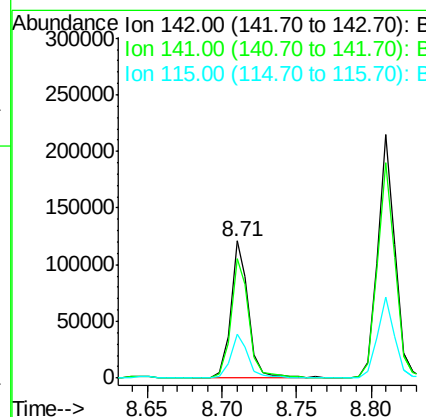
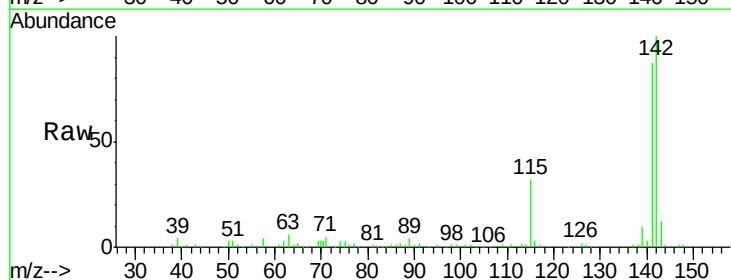
RT: 8.71 min Scan# 1126

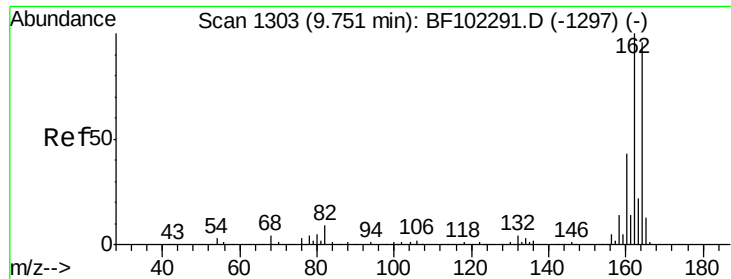
Delta R.T. -0.00 min

Lab File: BF102330.D

Acq: 23 Jan 2018 7:24

Tgt Ion:	142	Resp:	102025
Ion Ratio	Lower	Upper	
142	100		
141	87.1	70.8	106.2
115	31.8	26.1	39.1





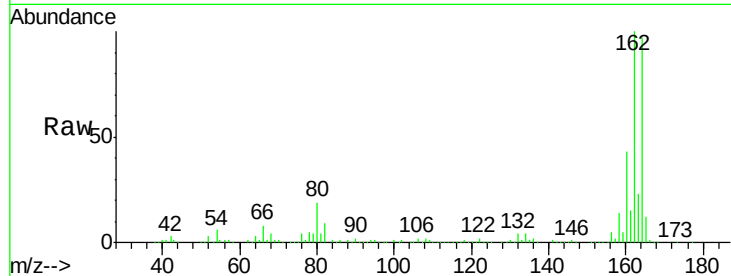
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF102330.D
Acq: 23 Jan 2018 7:24

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-01

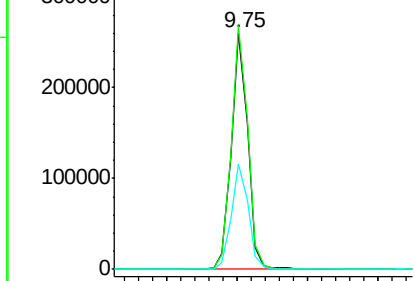
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	86.1	129.1
160	44.7	38.3	57.5

Manual Integrations
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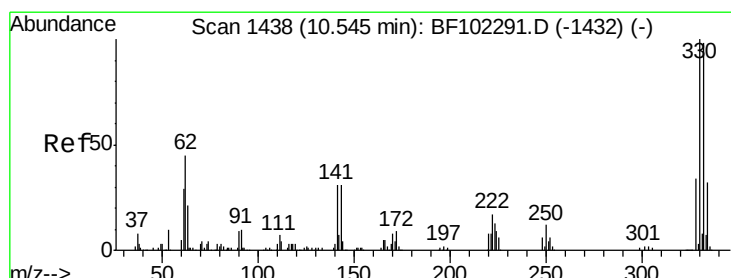
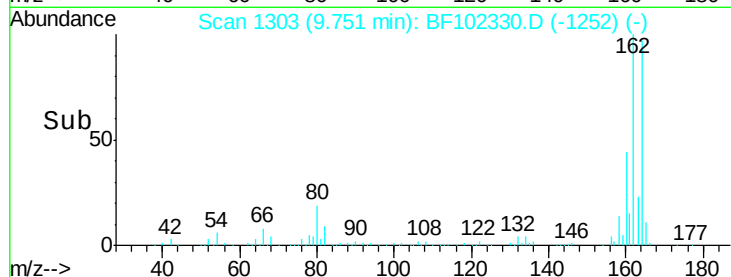
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

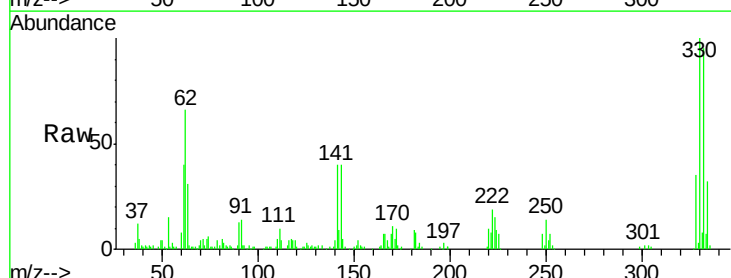


Time-->

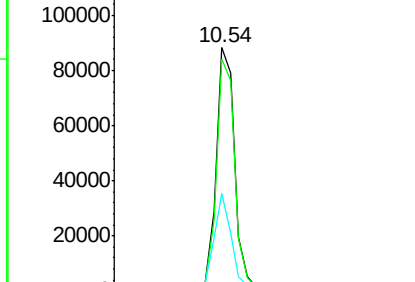


#41
2,4,6-Tribromophenol
Concen: 39.219 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF102330.D
Acq: 23 Jan 2018 7:24

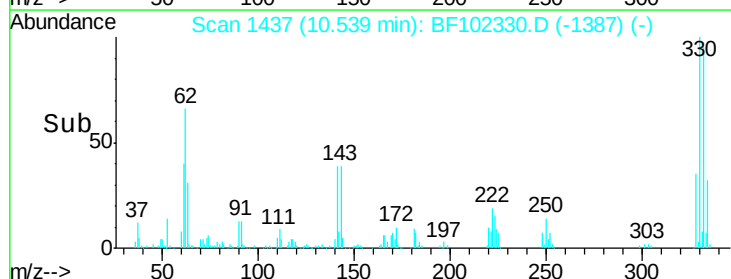
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	37.5	29.9	44.9

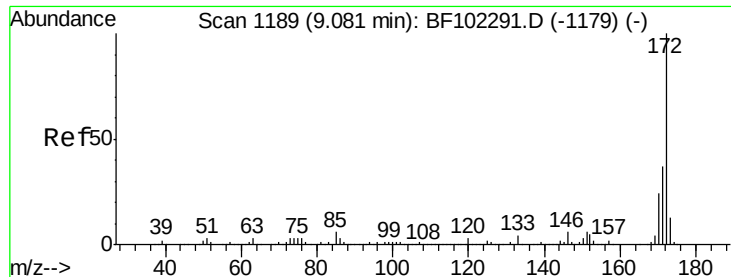


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time-->





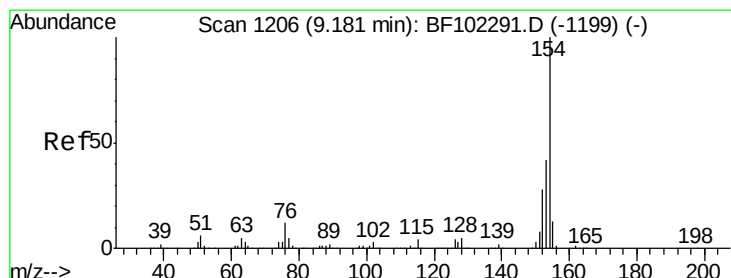
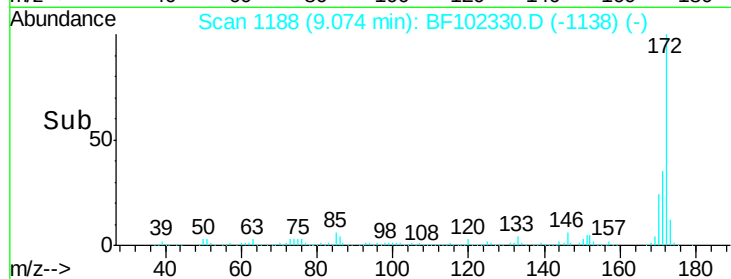
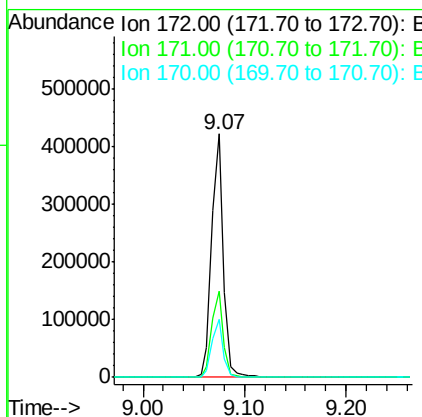
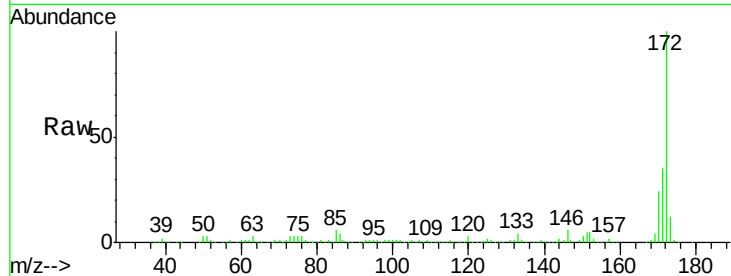
#44
2-Fluorobiphenyl
Concen: 23.706 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102330.D
Acq: 23 Jan 2018 7:24

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.6	19.6	29.4

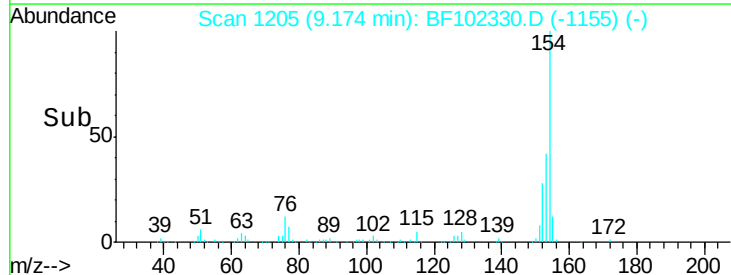
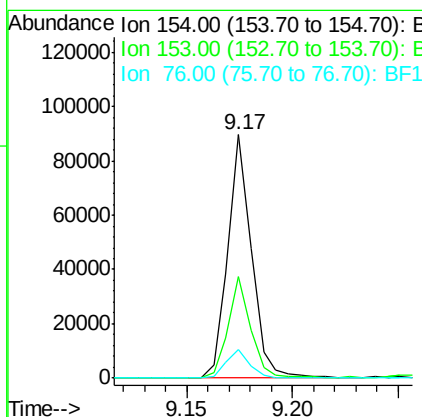
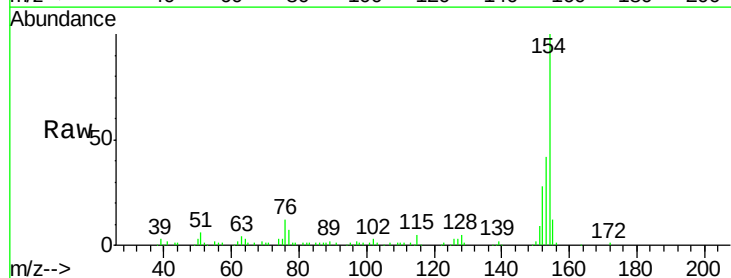
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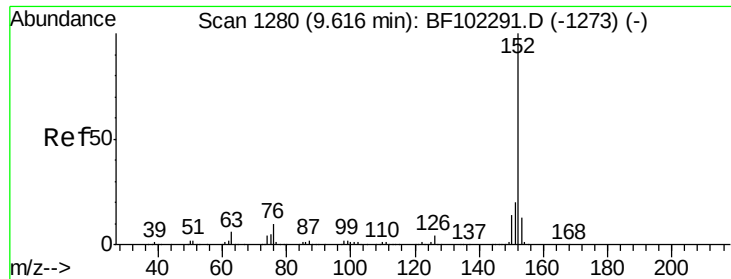
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#45
1,1'-Biphenyl
Concen: 3.702 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF102330.D
Acq: 23 Jan 2018 7:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.7	21.3	61.3
76	11.7	0.0	34.0





#48

Acenaphthylene

Concen: 9.380 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.00 min

Lab File: BF102330.D

Acq: 23 Jan 2018 7:24

Instrument :

BNA_F

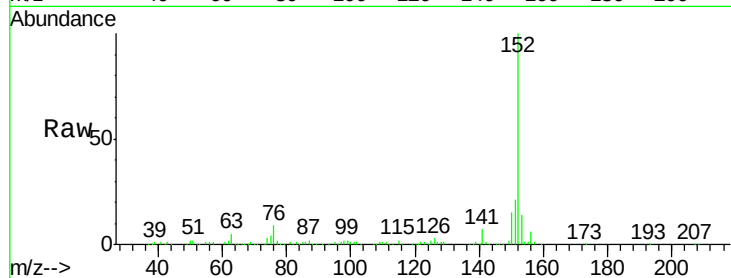
ClientSampleId :

WC-PH3-MGP-01

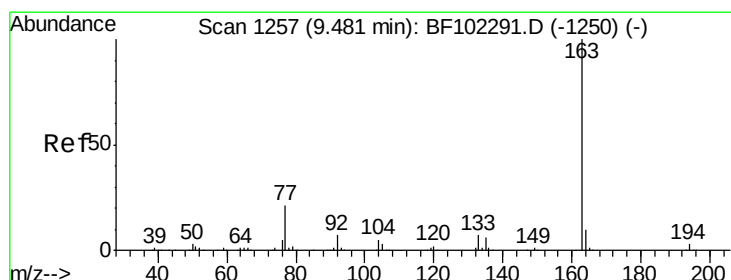
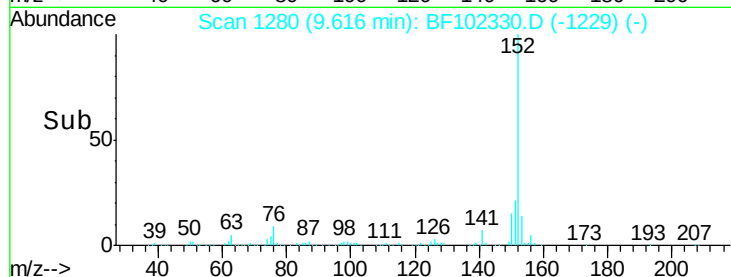
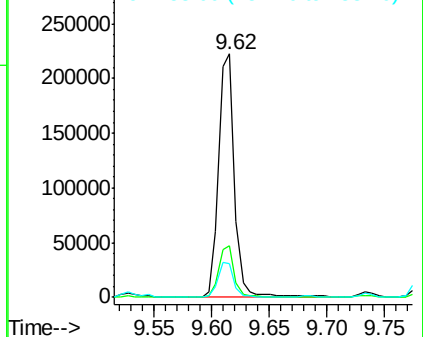
Tot Ion:	152	Resp:	214025
Ion Ratio	Lower	Upper	
152	100		
151	21.0	16.3	24.5
153	13.6	10.7	16.1

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.227 ng

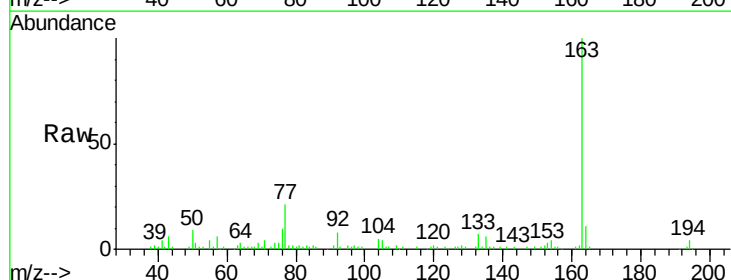
RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

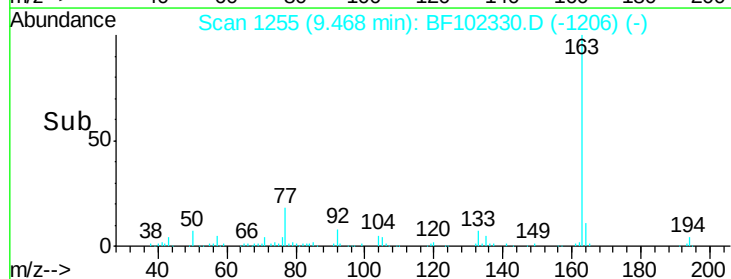
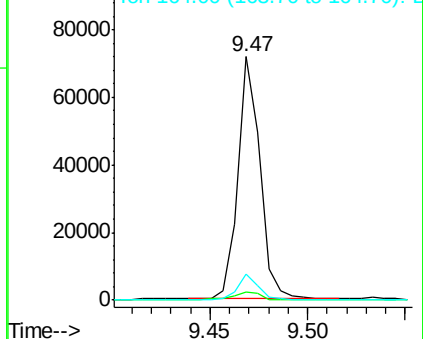
Lab File: BF102330.D

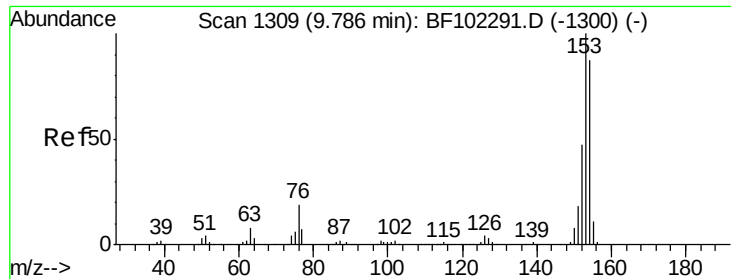
Acq: 23 Jan 2018 7:24

Tgt Ion:	163	Resp:	56207
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	10.6	8.2	12.2



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





#51

Acenaphthene

Concen: 2.852 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102330.D

Acq: 23 Jan 2018 7:24

Instrument :

BNA_F

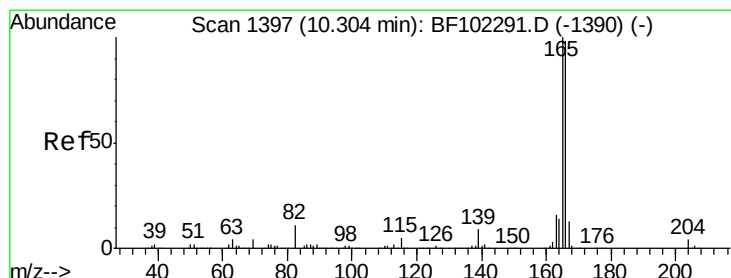
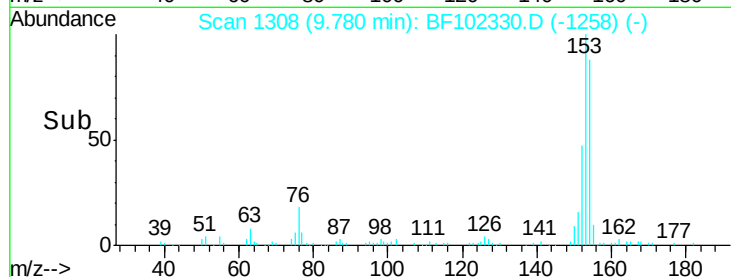
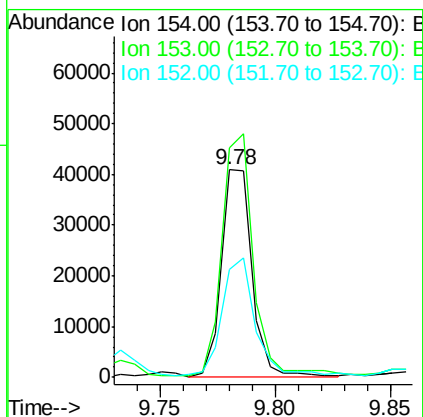
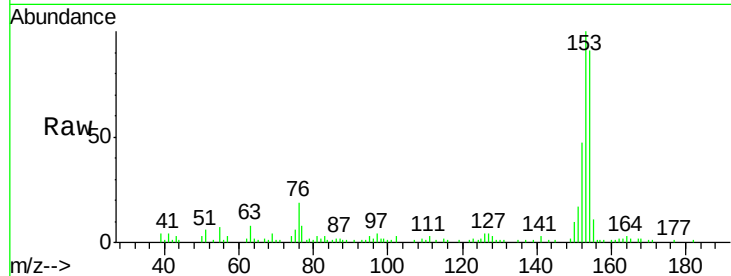
ClientSampleId :

WC-PH3-MGP-01

Tot Ion:	154	Resp:	38011
Ion Ratio	Lower	Upper	
154	100		
153	110.4	91.2	136.8
152	52.1	43.8	65.8

Manual Integrations
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Sohil
1/23/2018 4:08:34 PM



#57

Fluorene

Concen: 11.619 ng

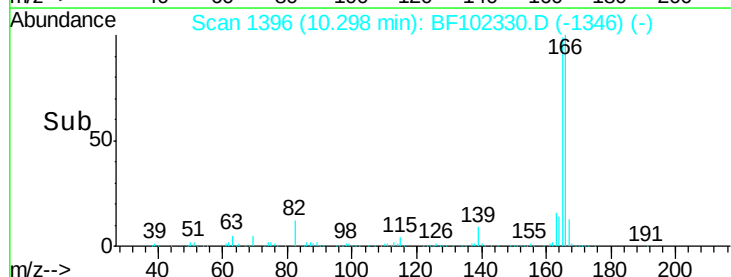
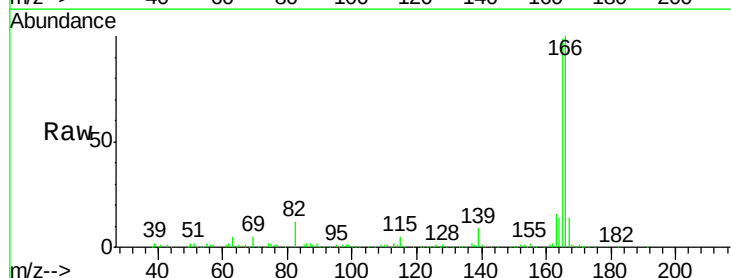
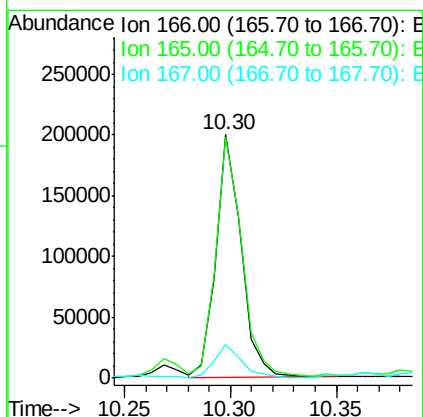
RT: 10.30 min Scan# 1396

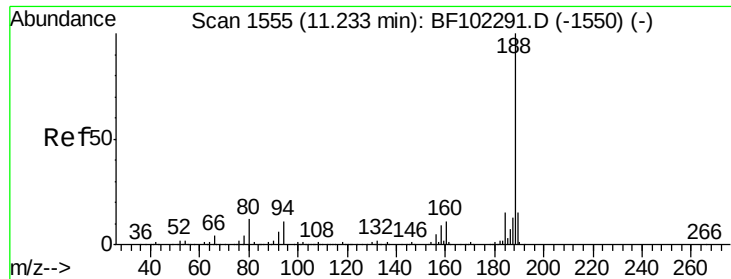
Delta R.T. -0.01 min

Lab File: BF102330.D

Acq: 23 Jan 2018 7:24

Tgt Ion:	166	Resp:	166045
Ion Ratio	Lower	Upper	
166	100		
165	99.1	79.8	119.8
167	13.6	10.6	16.0





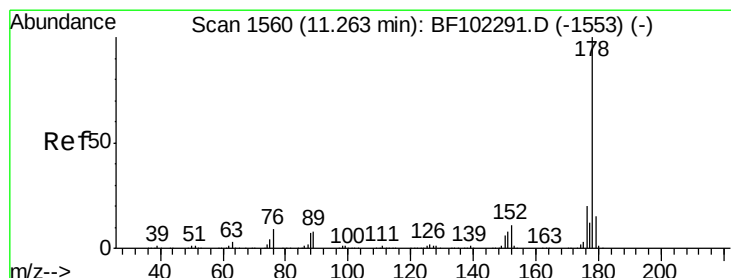
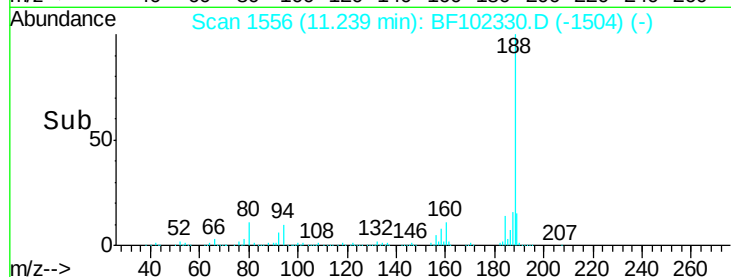
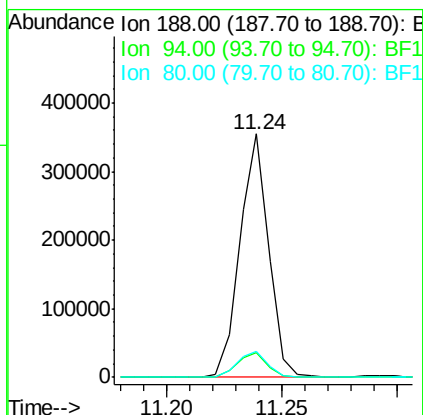
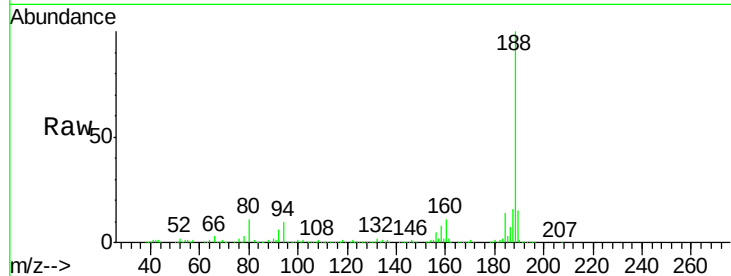
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BF102330.D
Acq: 23 Jan 2018 7:24

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-01

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.6	9.2	13.8

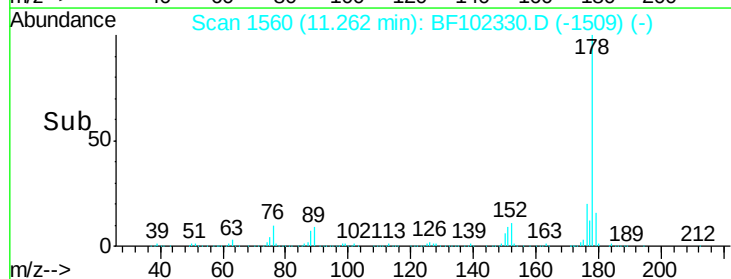
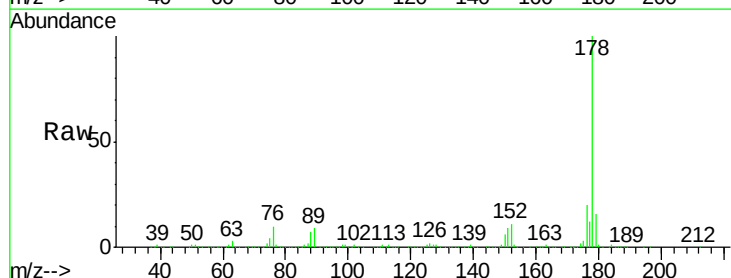
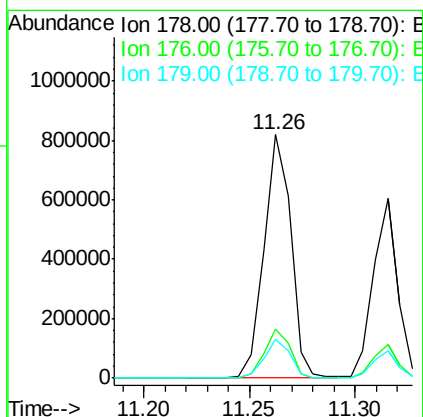
Manual Integrations
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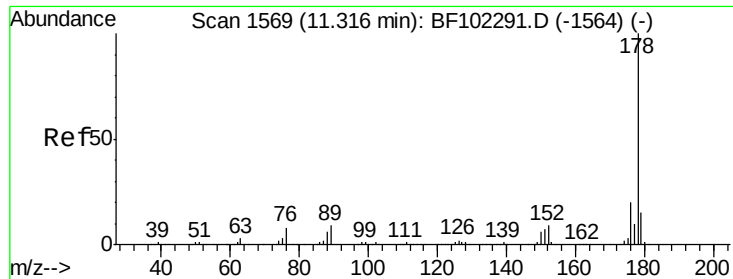
Sohil
1/23/2018 4:08:34 PM



#70
Phenanthrene
Concen: 40.767 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF102330.D
Acq: 23 Jan 2018 7:24

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.7	13.0	19.6





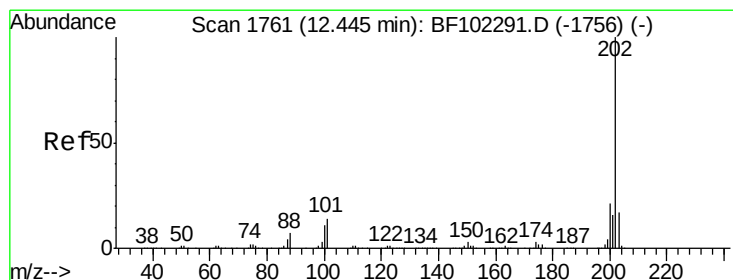
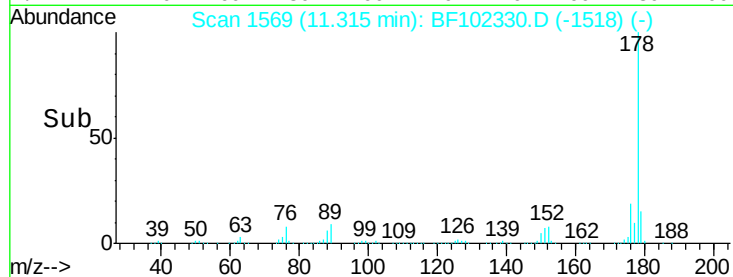
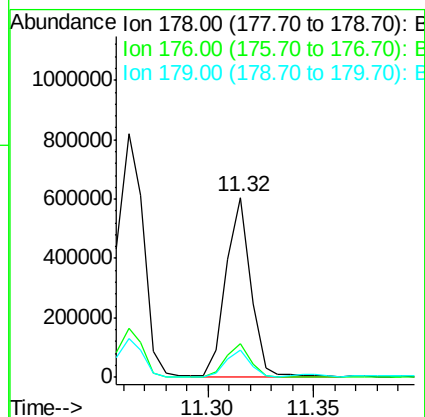
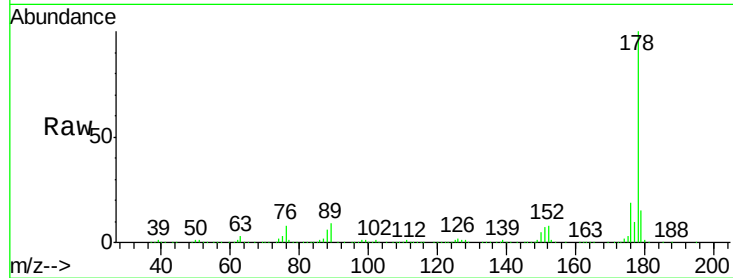
#71
 Anthracene
 Concen: 26.911 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BF102330.D
 Acq: 23 Jan 2018 7:24

Instrument :
 BNA_F
 ClientSampled :
 WC-PH3-MGP-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.5	12.6	19.0

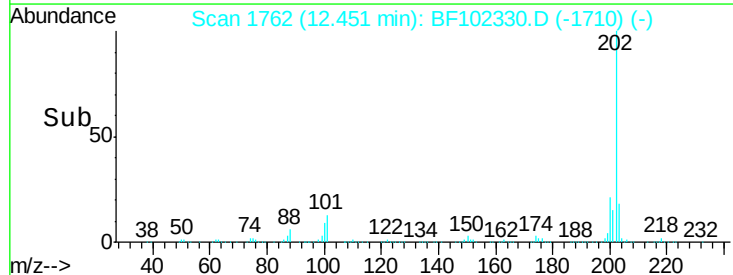
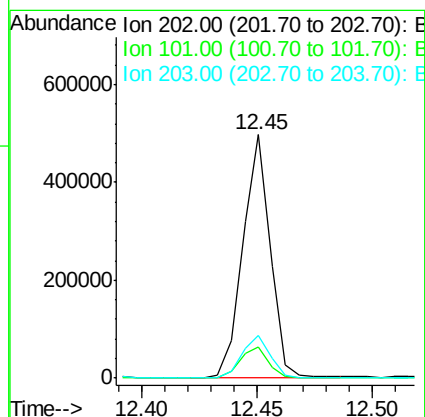
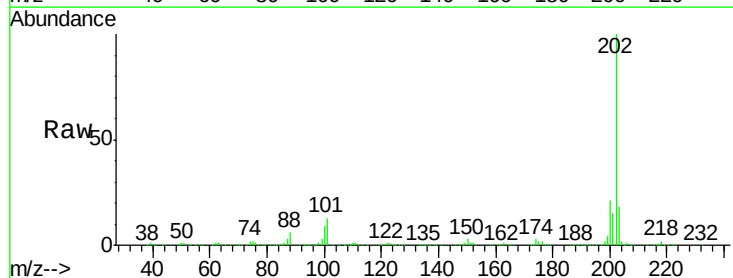
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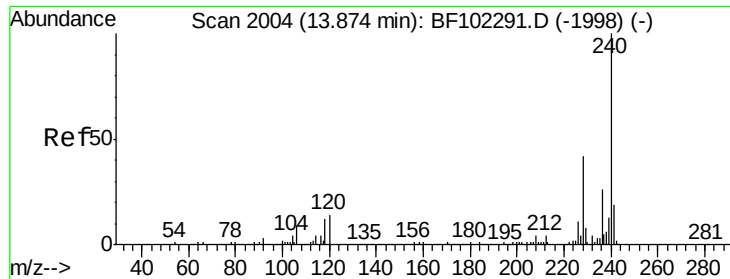
Sohil
 1/23/2018 4:08:34 PM



#74
 Fluoranthene
 Concen: 22.568 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.01 min
 Lab File: BF102330.D
 Acq: 23 Jan 2018 7:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF102330.D

Acq: 23 Jan 2018 7:24

Instrument :

BNA_F

ClientSampleId :

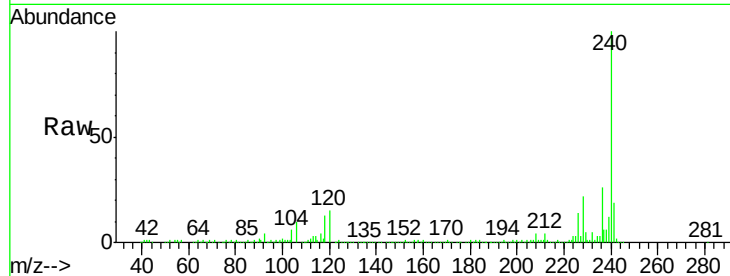
WC-PH3-MGP-01

Tot Ion	Ratio	Resp	Lower	Upper
240	100	260500		
120	15.5	9.5	14.3	
236	26.2	20.7	31.1	

Manual Integrations
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Sohil

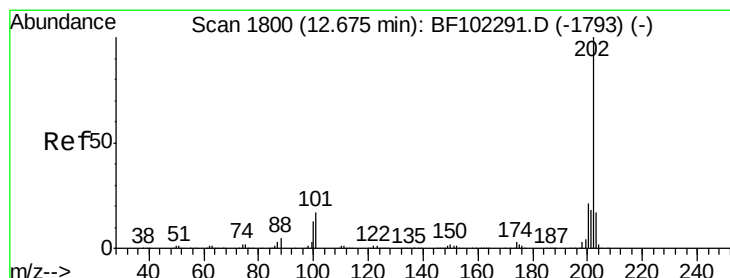
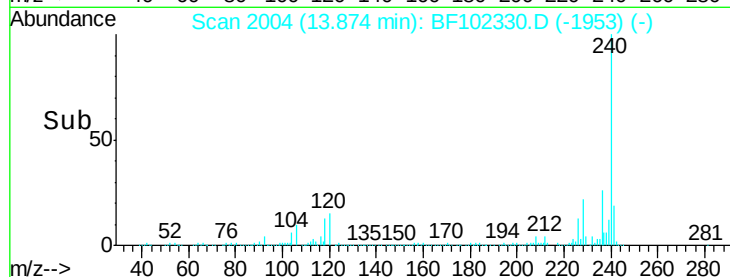
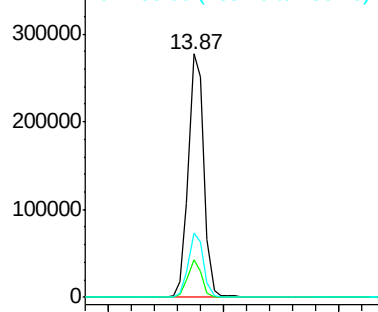
1/23/2018 4:08:34 PM



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

Pyrene

Concen: 26.559 ng

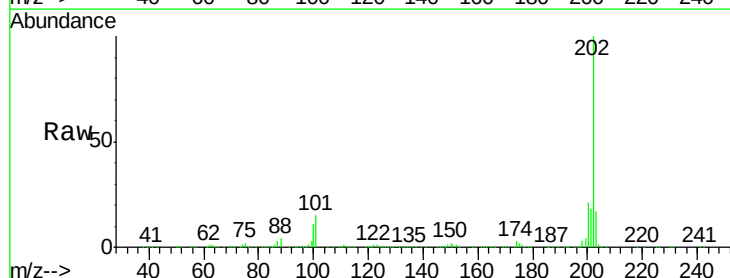
RT: 12.68 min Scan# 1801

Delta R.T. 0.01 min

Lab File: BF102330.D

Acq: 23 Jan 2018 7:24

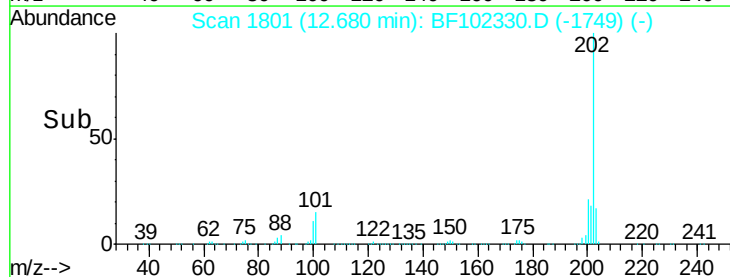
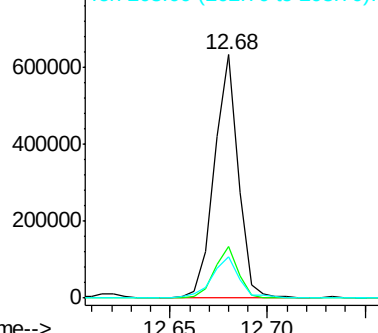
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	534922		
200	21.4	17.4	26.2	
203	16.9	14.3	21.5	

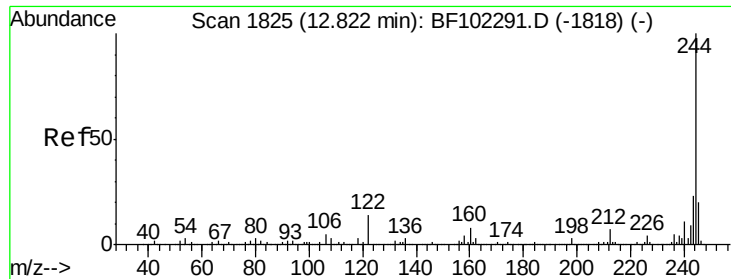


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





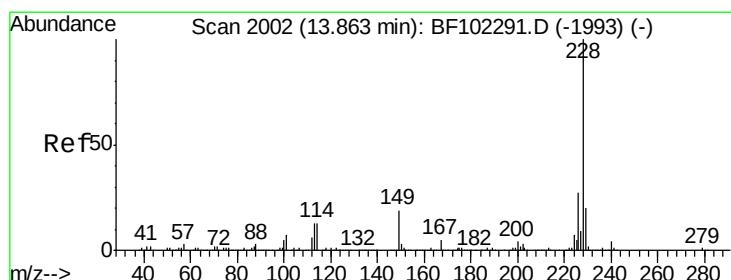
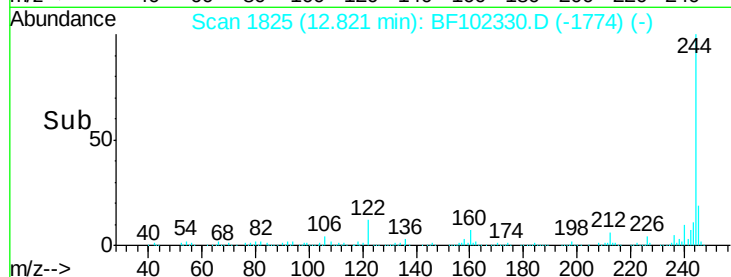
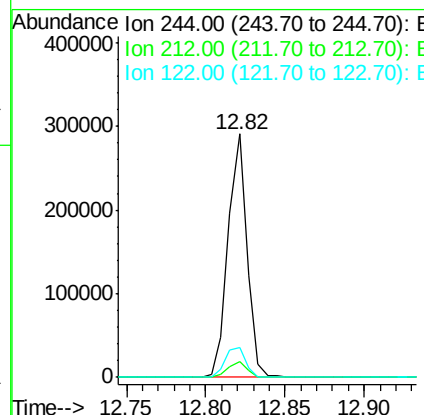
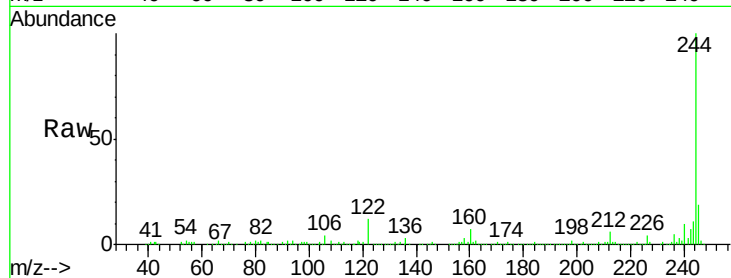
#78
 Terphenyl-d14
 Concen: 20.820 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BF102330.D
 Acq: 23 Jan 2018 7:24

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	12.4	11.0	16.4

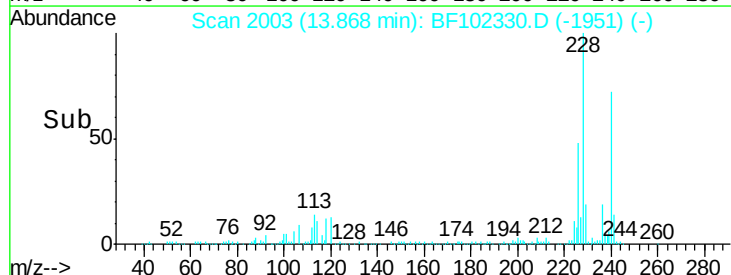
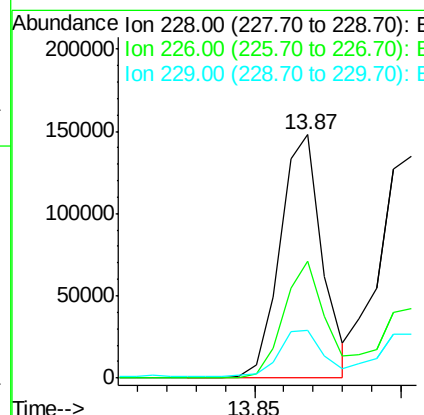
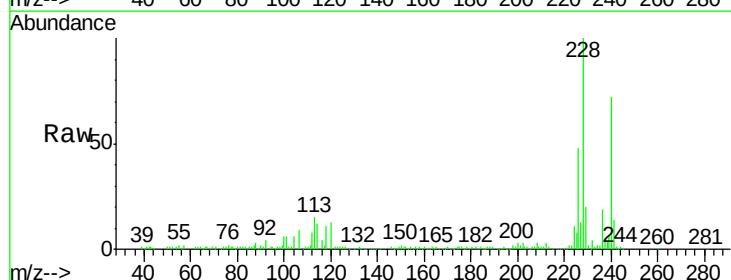
Manual Integrations
 APPROVED

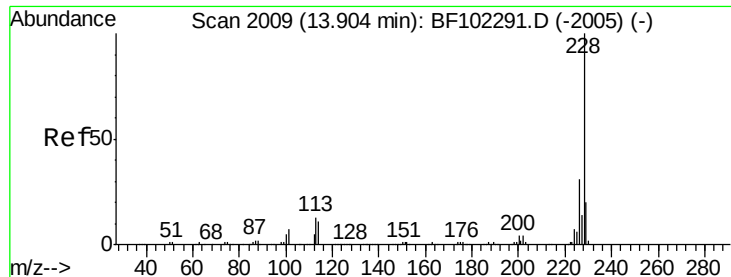
Sohil
 1/23/2018 4:08:34 PM



#80
 Benzo(a)anthracene
 Concen: 9.299 ng m
 RT: 13.87 min Scan# 2003
 Delta R.T. 0.01 min
 Lab File: BF102330.D
 Acq: 23 Jan 2018 7:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	47.8	22.6	33.8#
229	19.9	15.8	23.6





#82

Chrysene

Concen: 8.964 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF102330.D

Acq: 23 Jan 2018 7:24

Instrument :

BNA_F

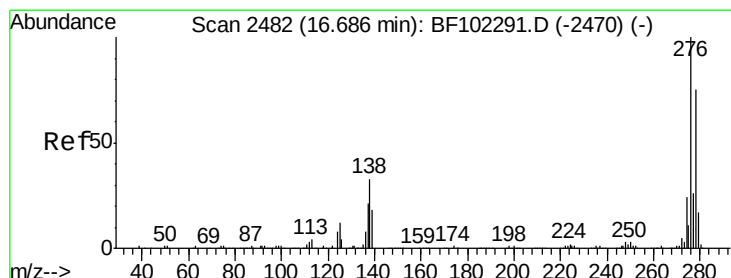
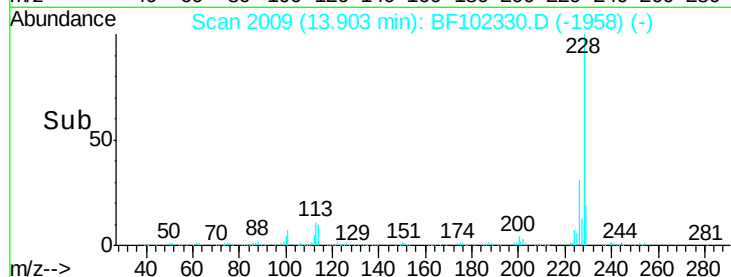
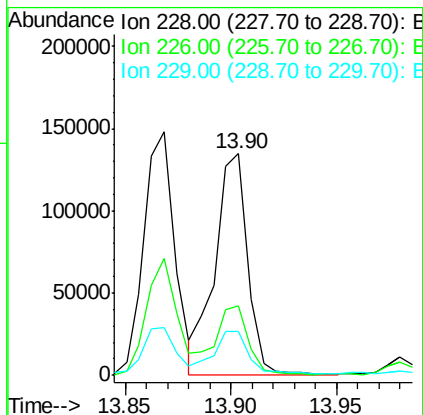
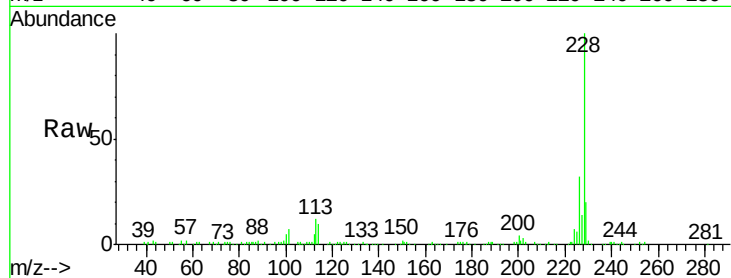
ClientSampleId :

WC-PH3-MGP-01

Tot Ion:	228	Resp:	145985
Ion Ratio		Lower	Upper
228	100		
226	31.6	25.0	37.6
229	19.9	16.2	24.4

Manual Integrations
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Sohil
1/23/2018 4:08:34 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.644 ng

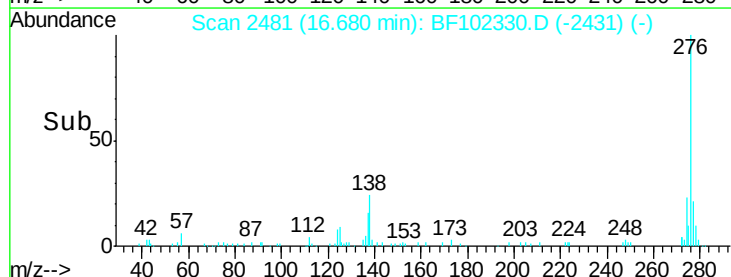
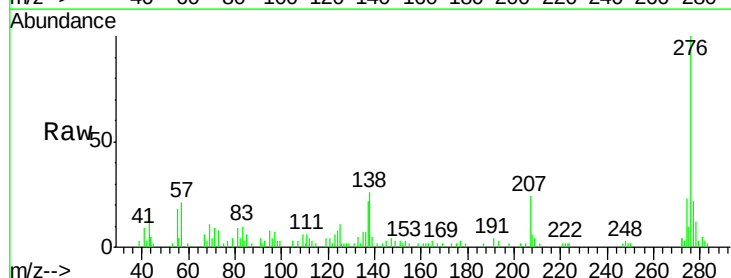
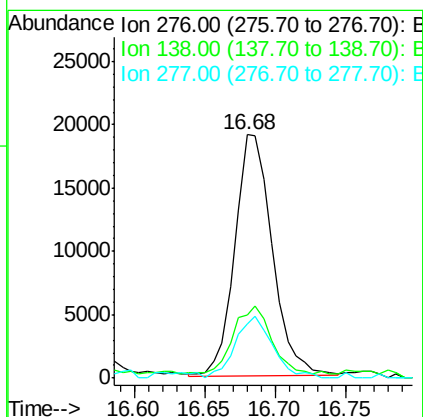
RT: 16.68 min Scan# 2481

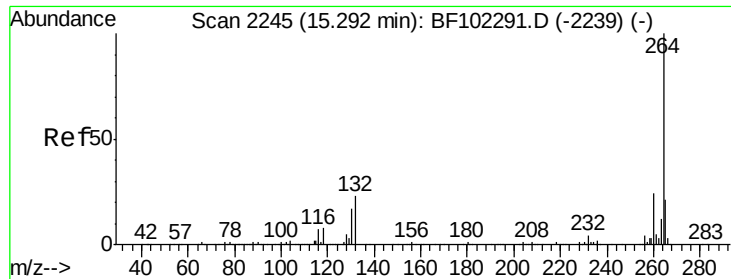
Delta R.T. -0.01 min

Lab File: BF102330.D

Acq: 23 Jan 2018 7:24

Tgt Ion:	276	Resp:	35557
Ion Ratio		Lower	Upper
276	100		
138	28.5	25.0	37.6
277	25.5	20.1	30.1





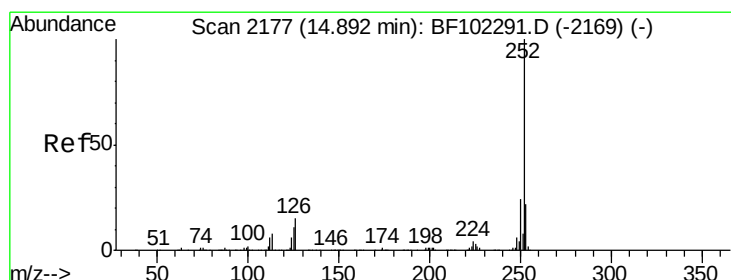
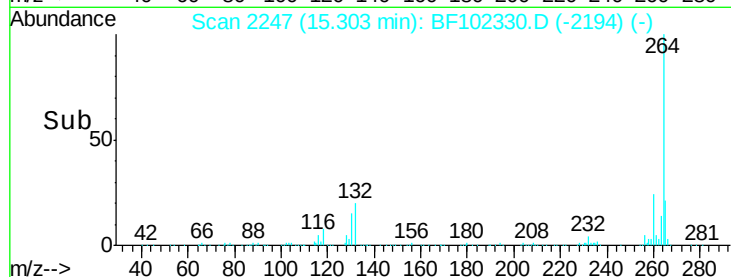
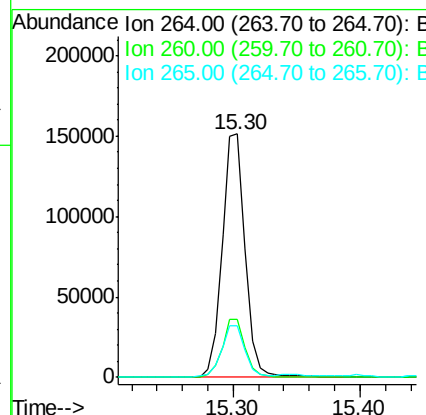
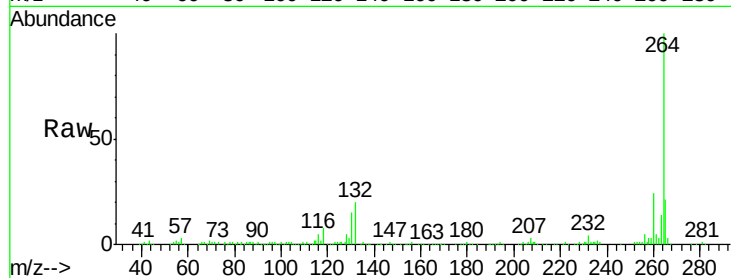
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BF102330.D
Acq: 23 Jan 2018 7:24

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.1	17.5	26.3

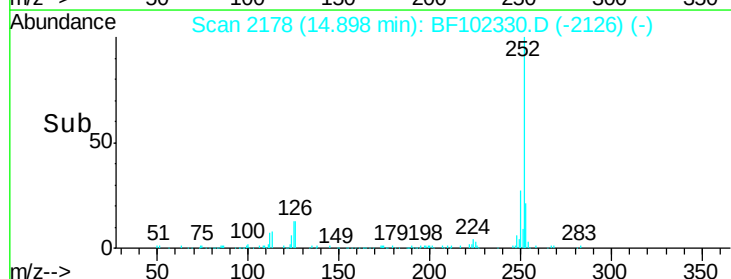
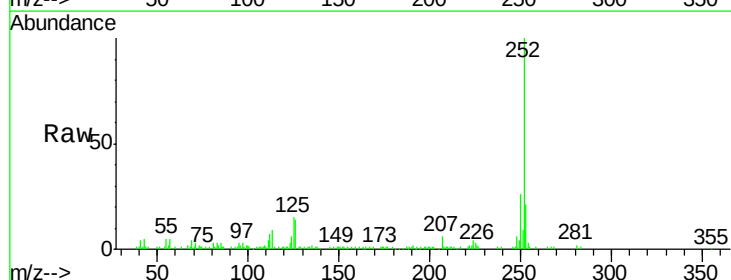
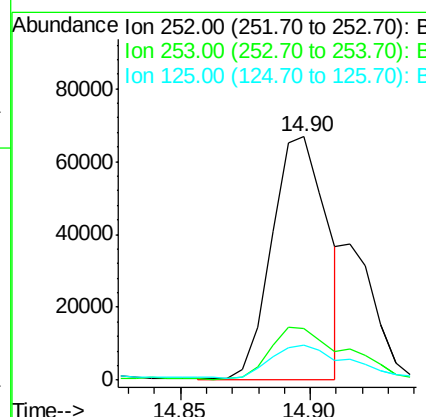
Manual Integrations
APPROVED

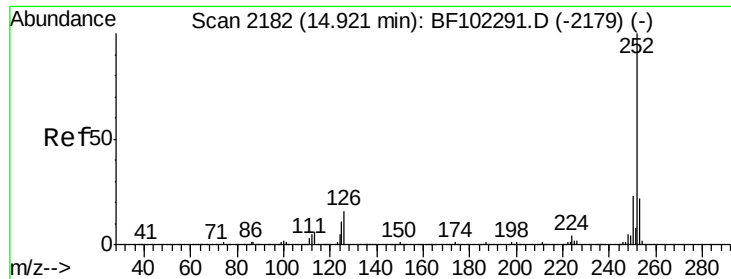
Sohil
1/23/2018 4:08:34 PM



#87
Benzo(b)fluoranthene
Concen: 7.952 ng m
RT: 14.90 min Scan# 2178
Delta R.T. 0.01 min
Lab File: BF102330.D
Acq: 23 Jan 2018 7:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.0	25.6
125	14.5	9.0	13.6





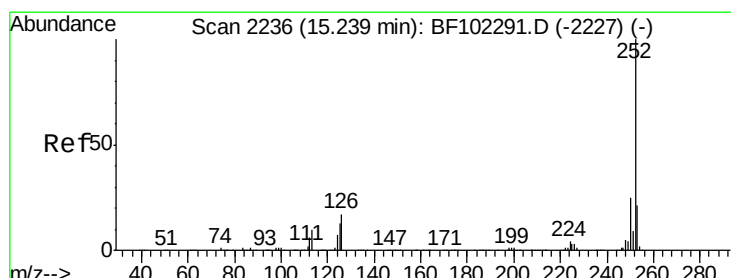
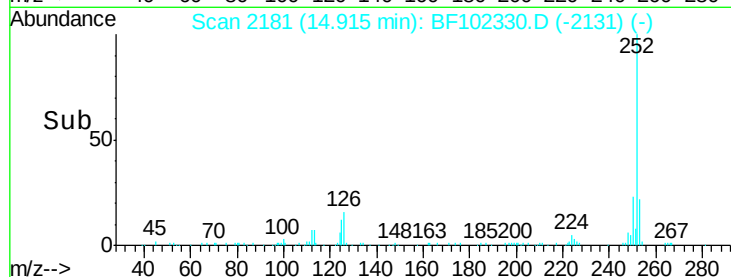
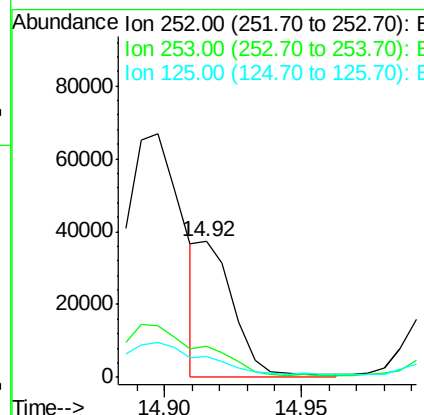
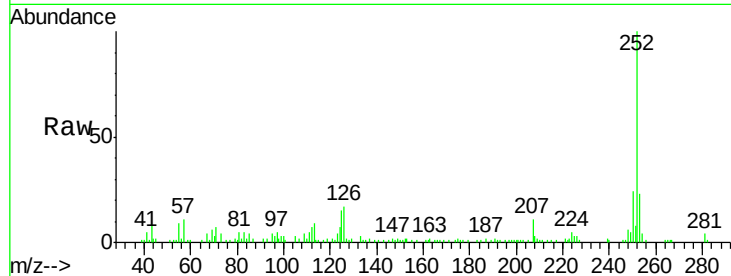
#88
Benzo(k)fluoranthene
Concen: 2.828 ng m
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF102330.D
Acq: 23 Jan 2018 7:24

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	15.0	10.2	15.2

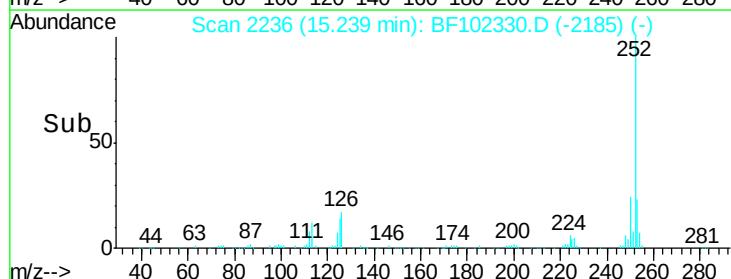
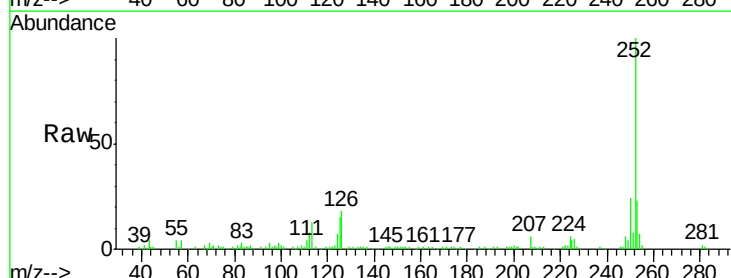
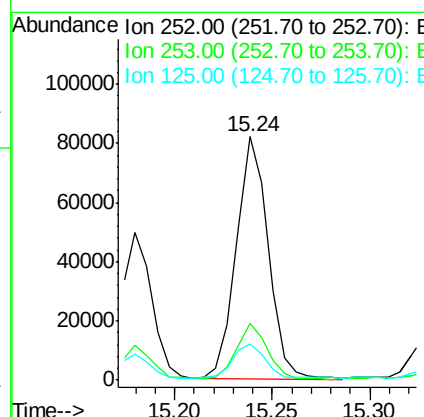
Manual Integrations
APPROVED

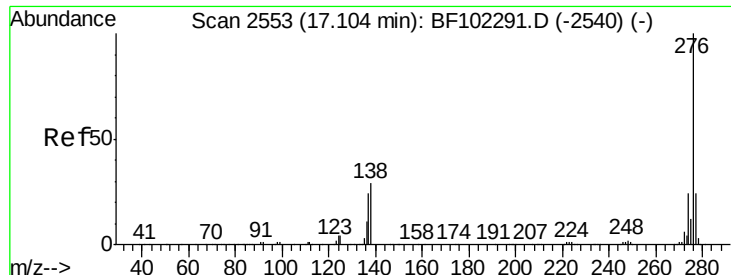
Sohil
1/23/2018 4:08:34 PM



#89
Benzo(a)pyrene
Concen: 8.400 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF102330.D
Acq: 23 Jan 2018 7:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	15.0	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 4.426 ng
 RT: 17.10 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: BF102330.D
 Acq: 23 Jan 2018 7:24

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.2	17.9	26.9
138	28.0	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 1/23/2018 4:08:34 PM

