

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102326.D
 Acq On : 23 Jan 2018 5:37
 Operator : SJ/JU
 Sample : J1214-02DL 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-02DL

Manual Integrations
 APPROVED

Sohil
 1/23/2018 12:47:06 PM

Quant Time: Jan 23 08:04:35 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	128171	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	499285	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	203257	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	293433	20.00	ng	0.00
75) Chrysene-d12	13.88	240	241681	20.00	ng	0.00
86) Perylene-d12	15.31	264	211509	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	101104	11.96	ng	0.00
7) Phenol-d6	6.36	99	125530	12.32	ng	0.00
23) Nitrobenzene-d5	7.27	82	65740	7.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	18016	8.95	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	80585	5.83	ng	0.00
78) Terphenyl-d14	12.82	244	53400	4.98	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.02	128	827319	33.188	ng	99
37) 2-Methylnaphthalene	8.71	142	175118	10.548	ng	99
45) 1,1'-Biphenyl	9.17	154	122153	6.721	ng	97
48) Acenaphthylene	9.62	152	505017	22.946	ng	99
51) Acenaphthene	9.79	154	111945	8.709	ng	99
54) Dibenzofuran	9.96	168	53881	3.097	ng	# 84
57) Fluorene	10.30	166	369565	26.810	ng	99
70) Phenanthrene	11.27	178	1691686	98.935	ng	99
71) Anthracene	11.32	178	496036	28.422	ng	99
74) Fluoranthene	12.46	202	877912	50.348	ng	99
77) Pyrene	12.69	202	1146858	61.376	ng	100
80) Benzo(a)anthracene	13.87	228	326484m	21.942	ng	
82) Chrysene	13.90	228	301204	19.934	ng	99
85) Indeno(1,2,3-cd)pyrene	16.69	276	88629	7.102	ng	94
87) Benzo(b)fluoranthene	14.90	252	247129m	18.027	ng	
88) Benzo(k)fluoranthene	14.92	252	77253m	5.965	ng	
89) Benzo(a)pyrene	15.24	252	235263	19.028	ng	98
90) Dibenz(a,h)anthracene	16.70	278	21518	2.148	ng	94
91) Benzo(a,h,i)perylene	17.12	276	98893	10.000	ng	100

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

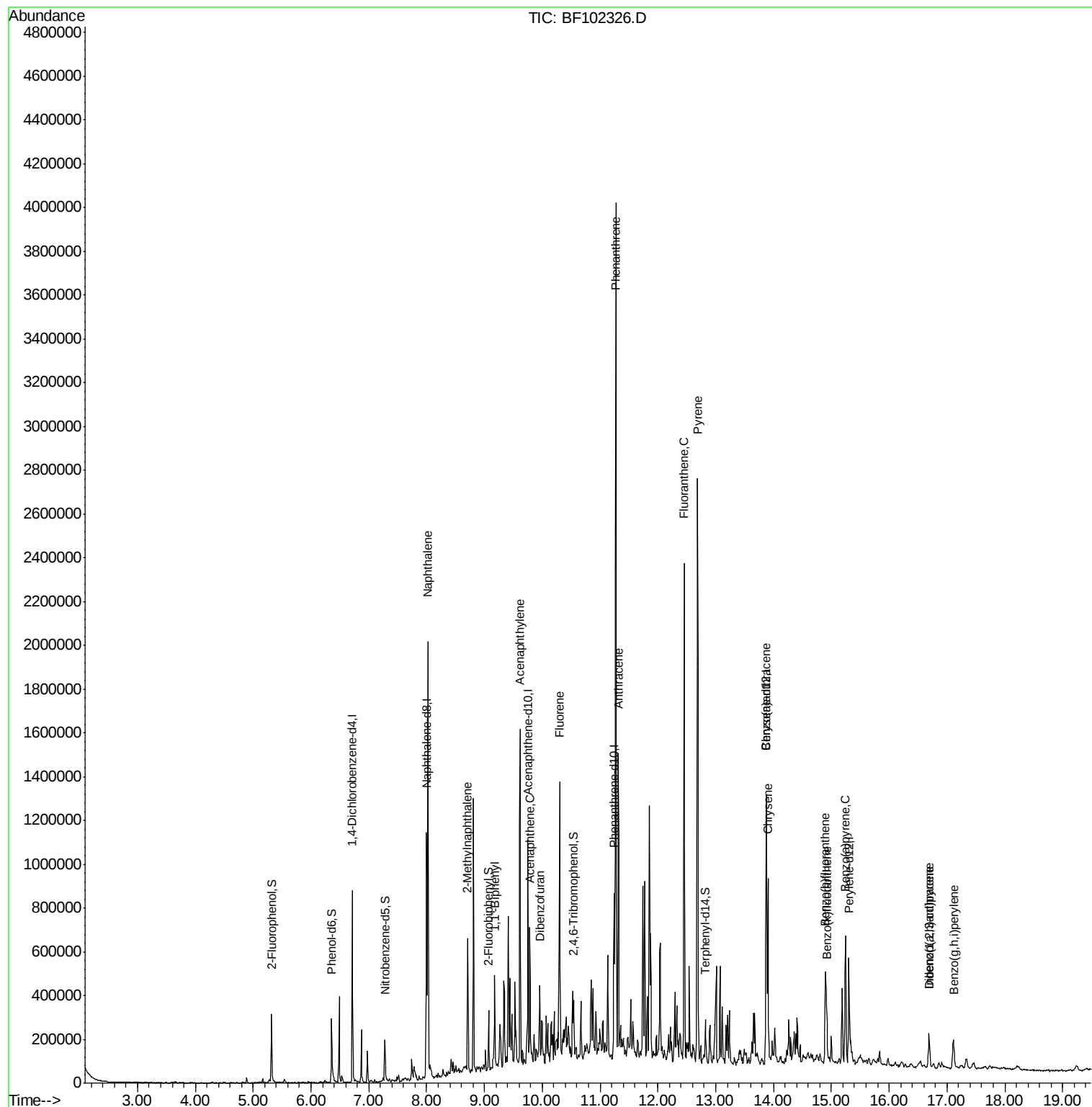
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
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ALS Vial : 29 Sample Multiplier: 1

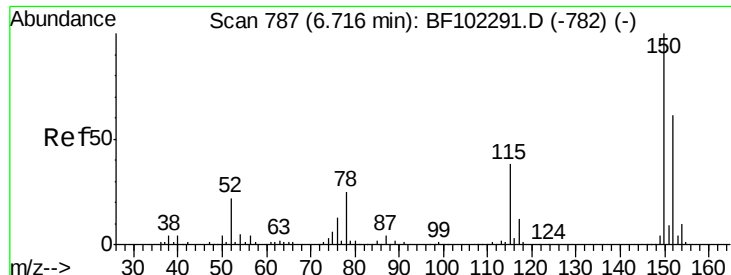
Instrument :
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#1

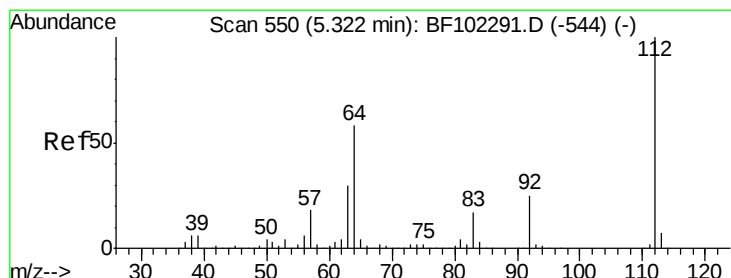
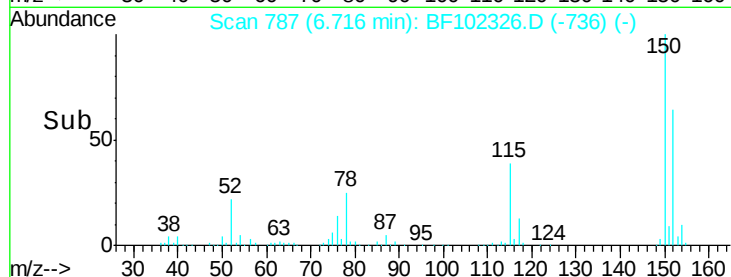
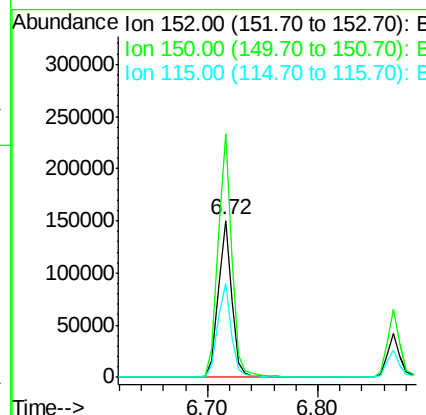
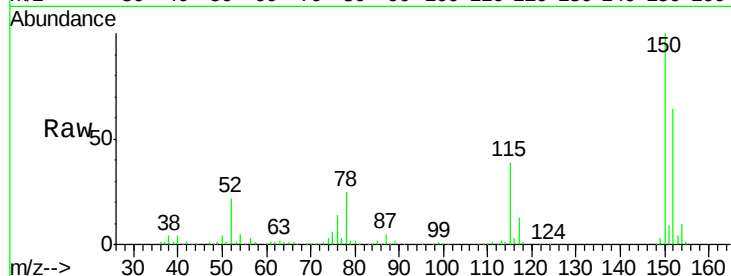
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-02DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	59.9	50.1	75.1

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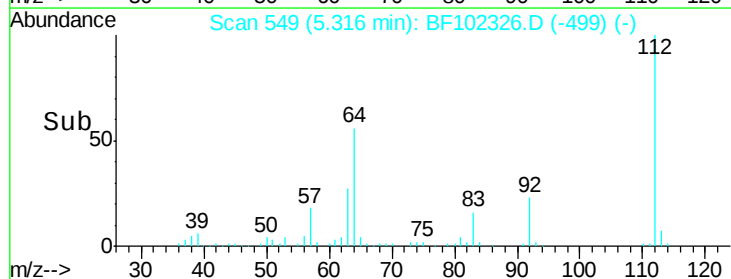
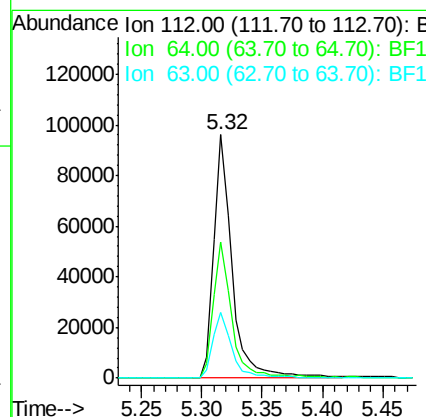
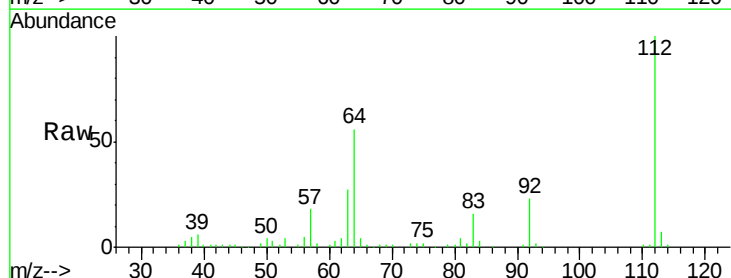
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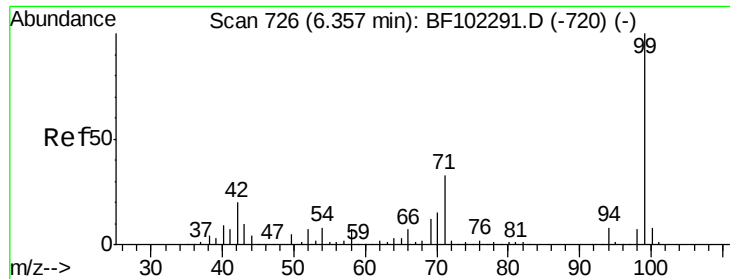


#5

2-Fluorophenol
Concen: 11.961 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.9	71.9
63	27.0	23.7	35.5





#7

Phenol-d6

Concen: 12.318 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102326.D

Acq: 23 Jan 2018 5:37

Instrument :

BNA_F

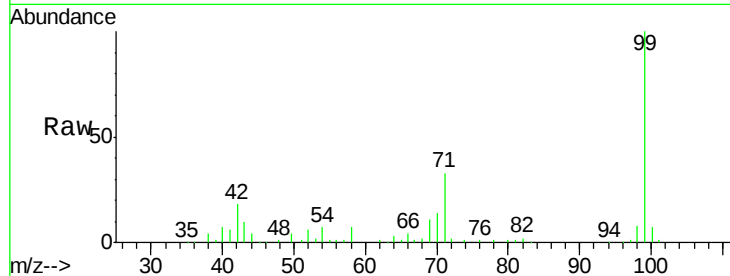
ClientSampleId :

WC-PH3-MGP-02DL

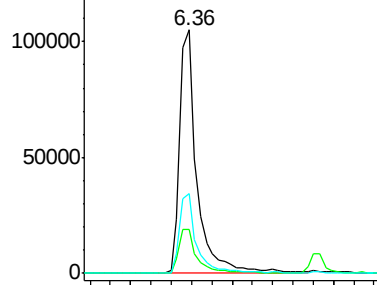
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		125530		
42	18.2	14.5	21.7		
71	32.6	25.4	38.0		

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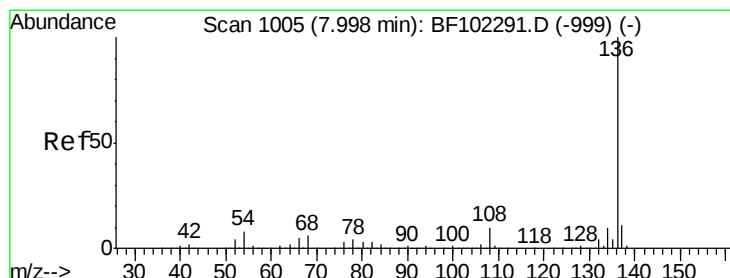
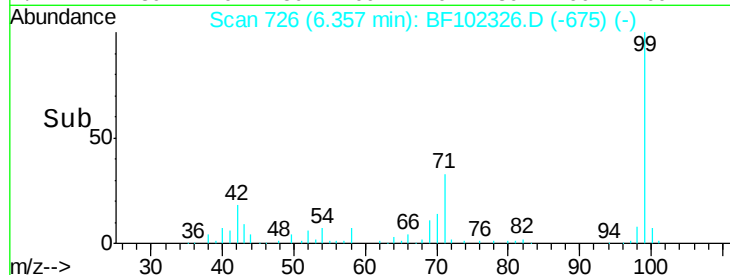
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

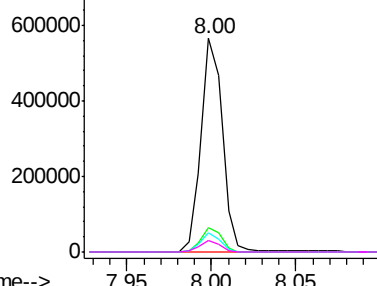
Delta R.T. -0.00 min

Lab File: BF102326.D

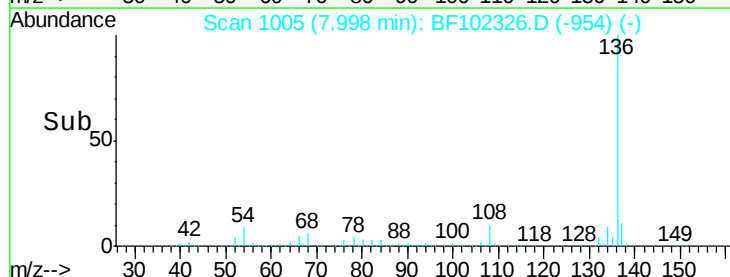
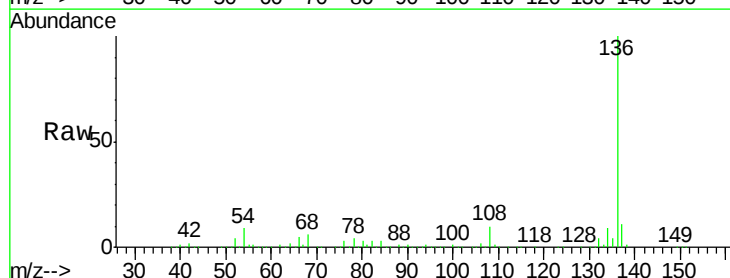
Acq: 23 Jan 2018 5:37

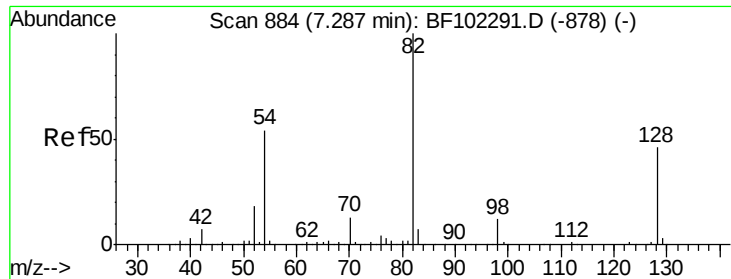
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		499285		
137	11.3	8.9	13.3		
54	8.7	6.6	9.8		
68	5.6	5.0	7.4		

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



Time-->





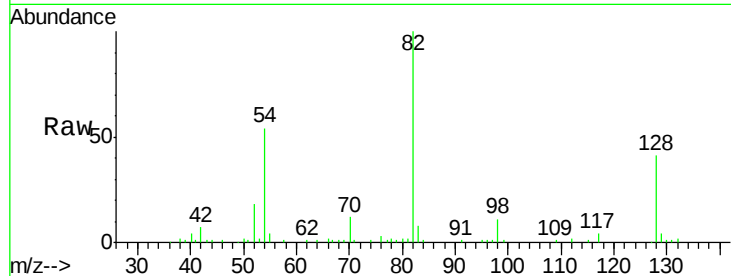
#23
Nitrobenzene-d5
Concen: 7.567 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-02DL

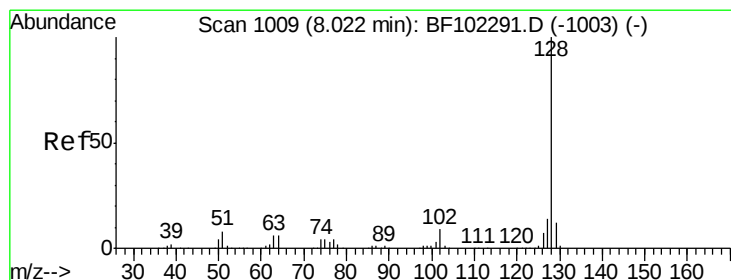
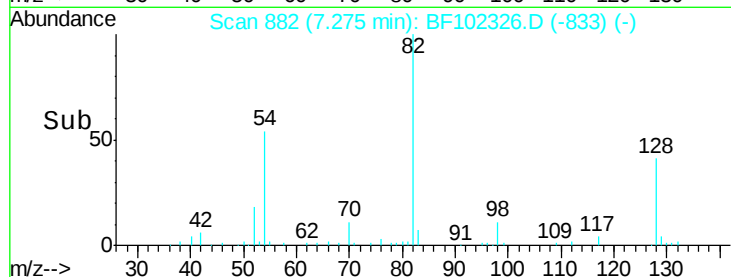
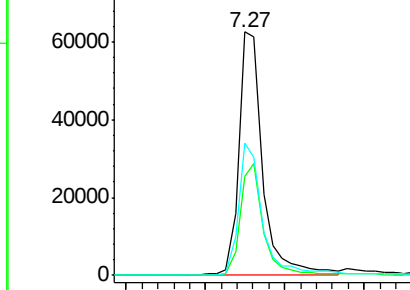
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.9	36.1	54.1
54	54.1	41.4	62.2

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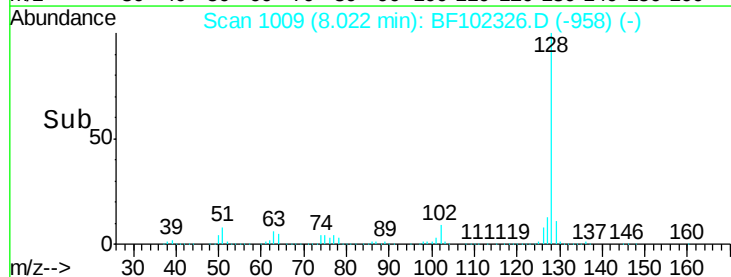
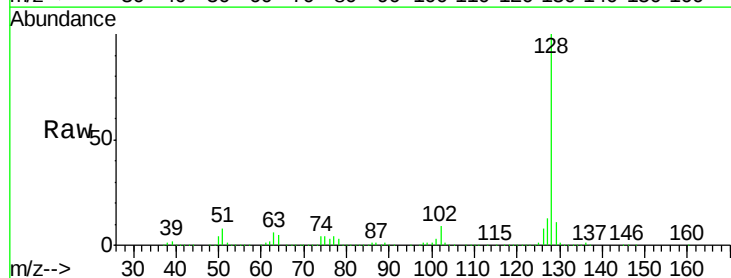
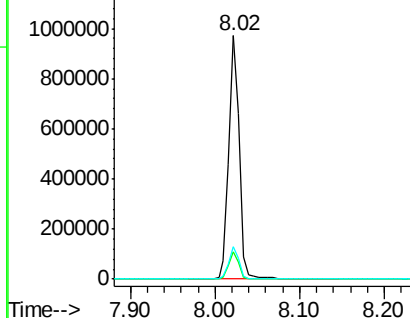
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

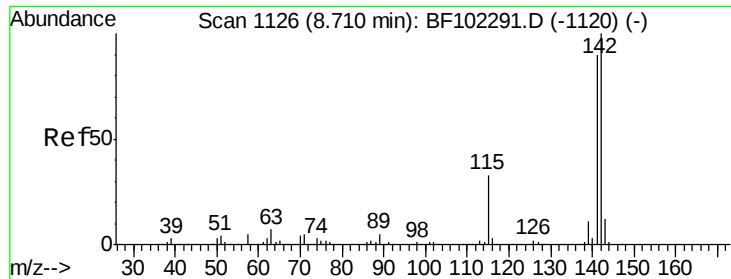


#31
Naphthalene
Concen: 33.188 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.2	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





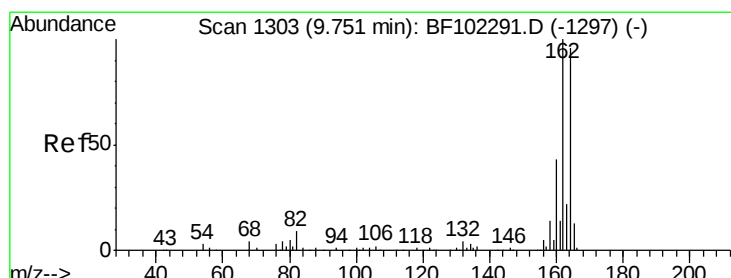
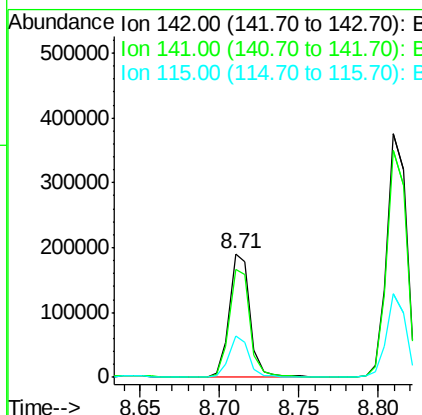
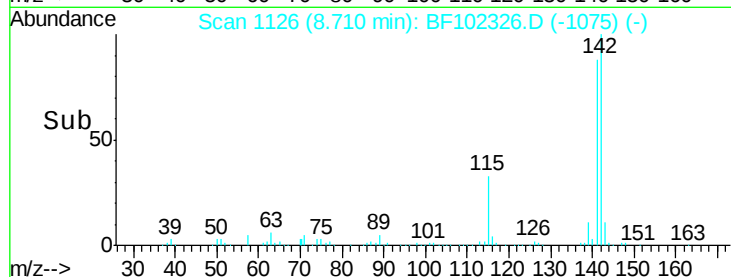
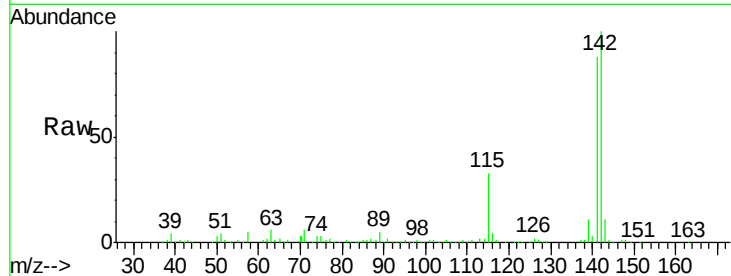
#37
2-Methylnaphthalene
Concen: 10.548 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-02DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.8	106.2
115	33.0	26.1	39.1

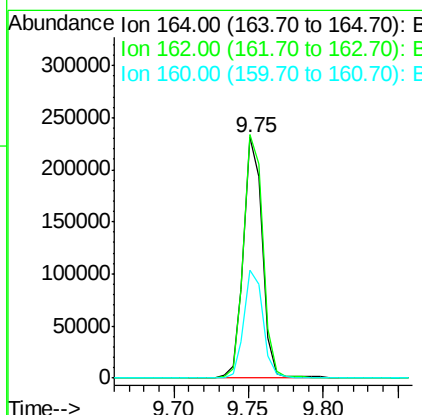
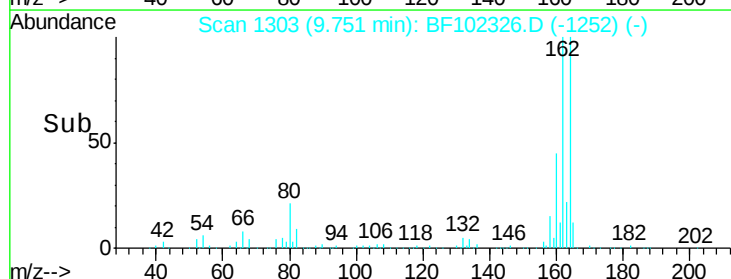
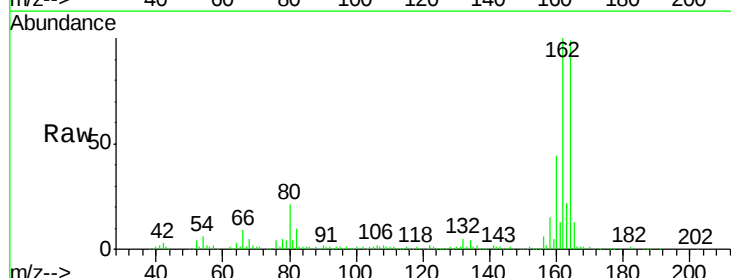
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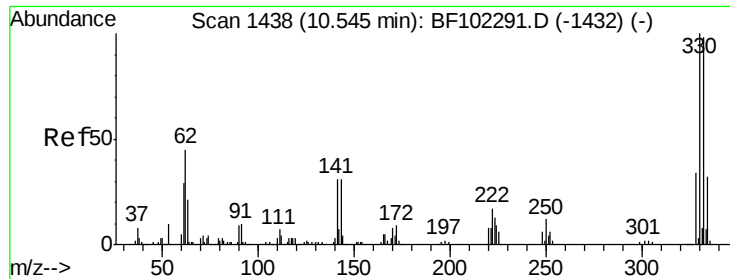
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	86.1	129.1
160	44.9	38.3	57.5





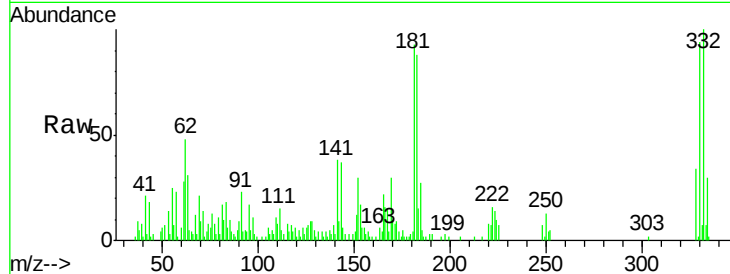
#41
 2,4,6-Tribromophenol
 Concen: 8.945 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102326.D
 Acq: 23 Jan 2018 5:37

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-02DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	18016		
332	96.2	77.0	115.6	
141	40.4	29.9	44.9	

Manual Integrations
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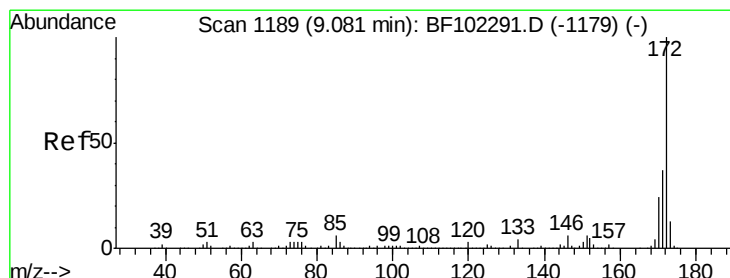
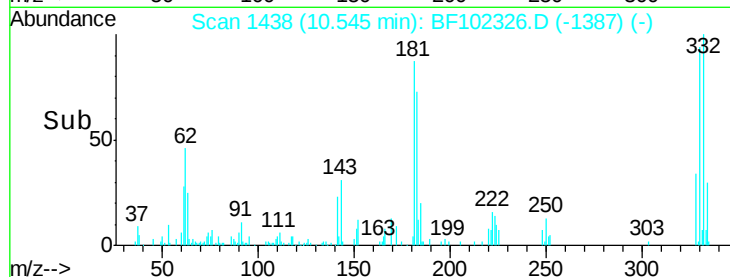
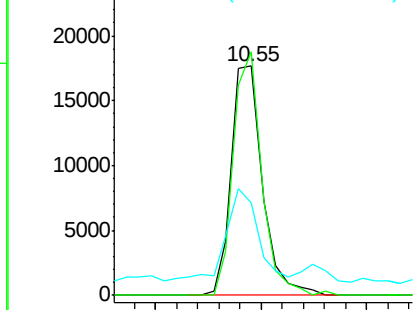


Abundance

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: 5.829 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102326.D
 Acq: 23 Jan 2018 5:37

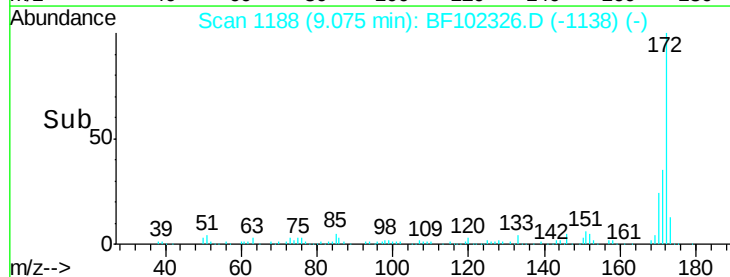
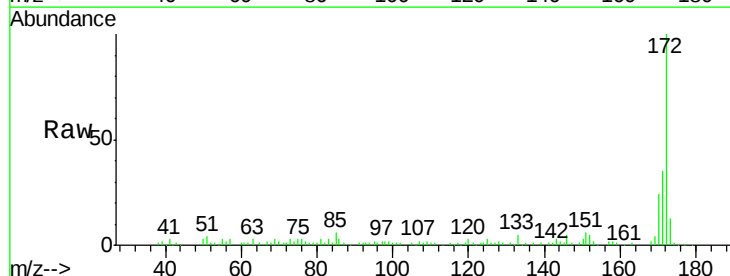
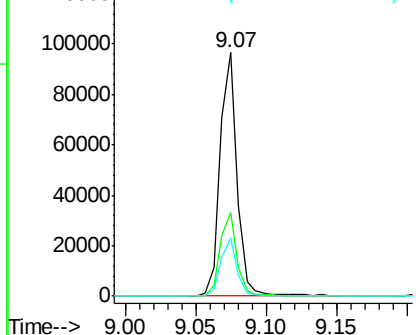
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	80585		
171	34.6	29.7	44.5	
170	23.9	19.6	29.4	

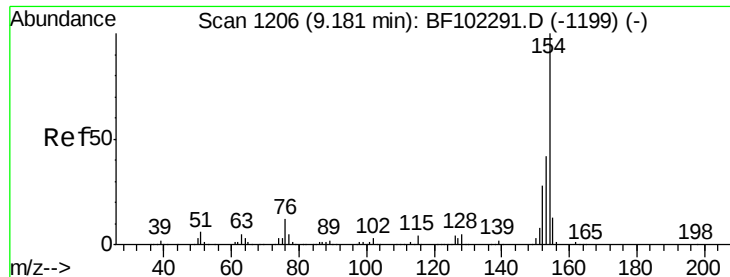
Abundance

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





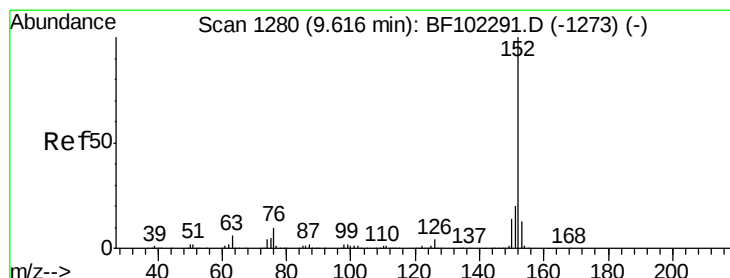
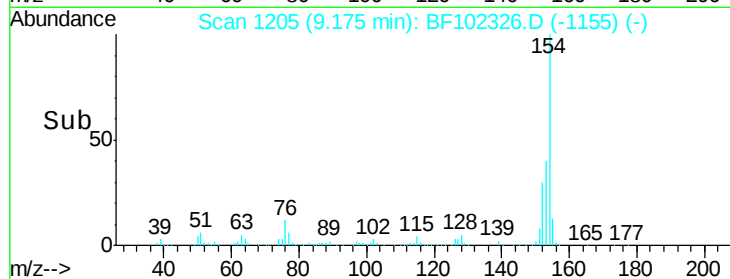
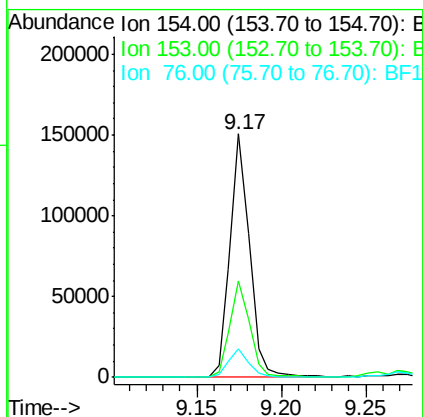
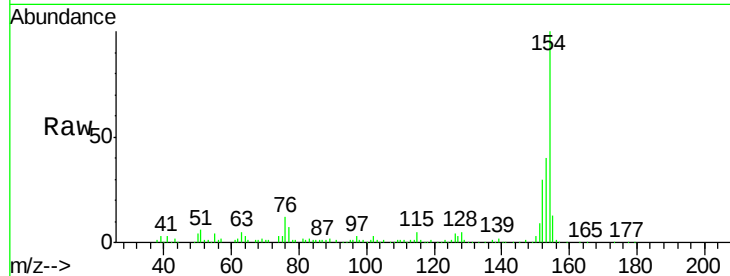
#45
1,1'-Biphenyl
Concen: 6.721 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-02DL

Tot Ion:	154	Resp:	122153
Ion Ratio	Lower	Upper	
154	100		
153	39.7	21.3	61.3
76	11.6	0.0	34.0

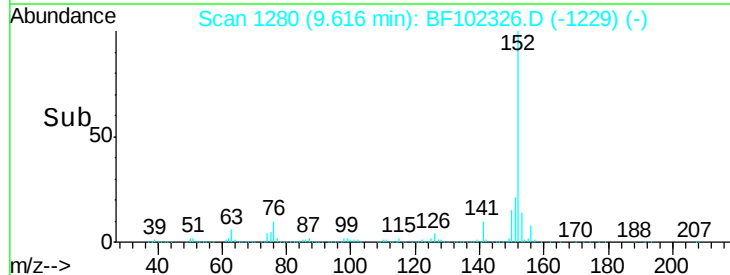
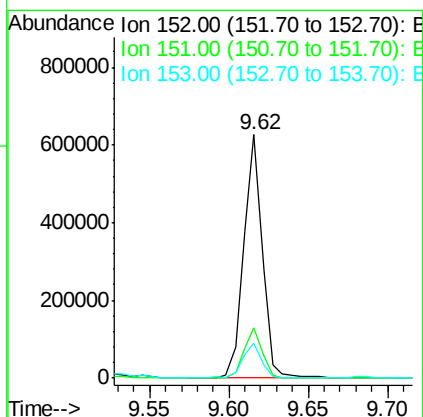
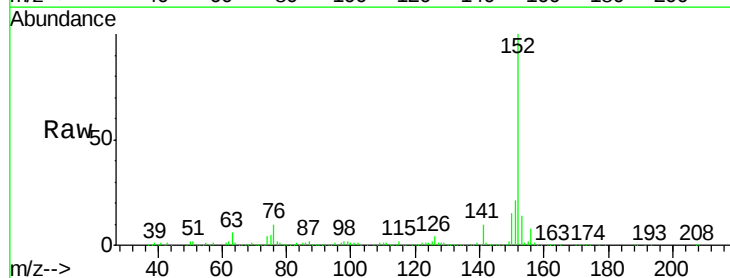
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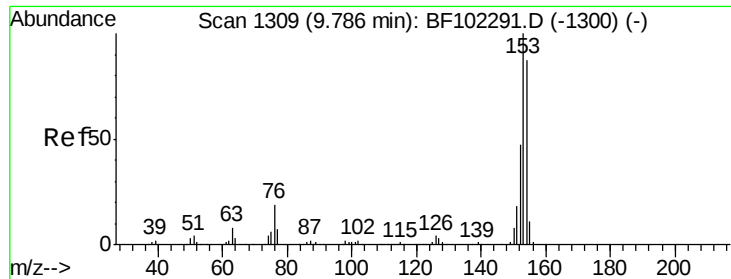
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#48
Acenaphthylene
Concen: 22.946 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.00 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Tgt Ion:	152	Resp:	505017
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.3	24.5
153	14.3	10.7	16.1





#51

Acenaphthene

Concen: 8.709 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF102326.D

Acq: 23 Jan 2018 5:37

Instrument :

BNA_F

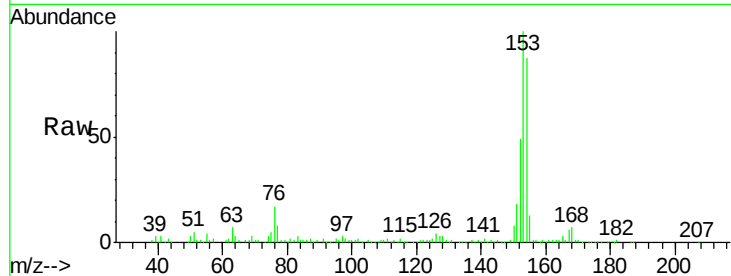
ClientSampleId :

WC-PH3-MGP-02DL

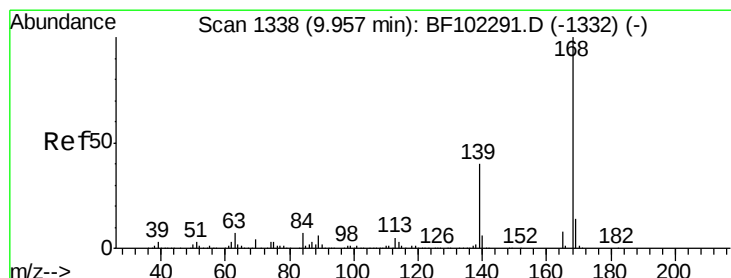
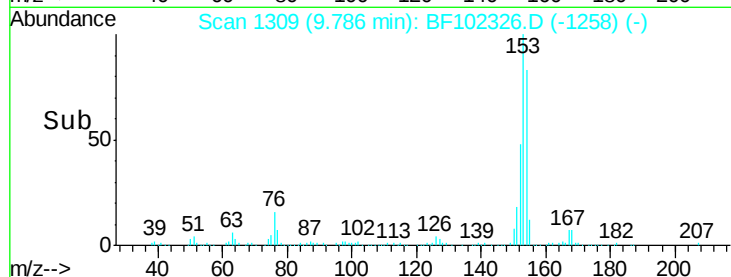
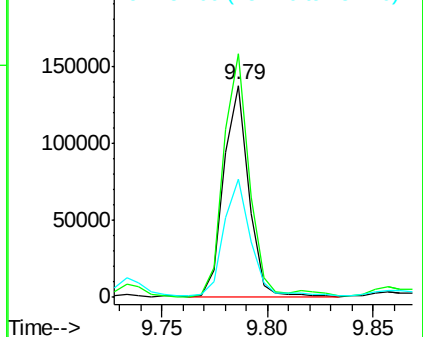
Tot Ion:	154	Resp:	111945
Ion Ratio	Lower	Upper	
154	100		
153	114.9	91.2	136.8
152	55.8	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.097 ng

RT: 9.96 min Scan# 1338

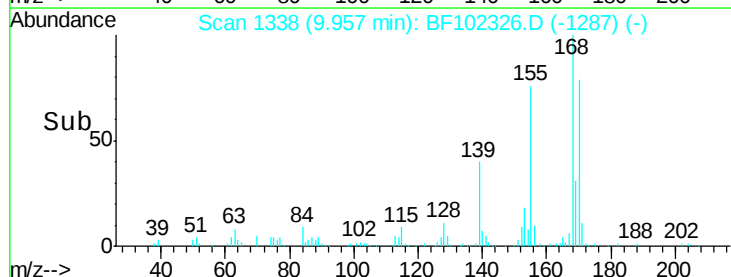
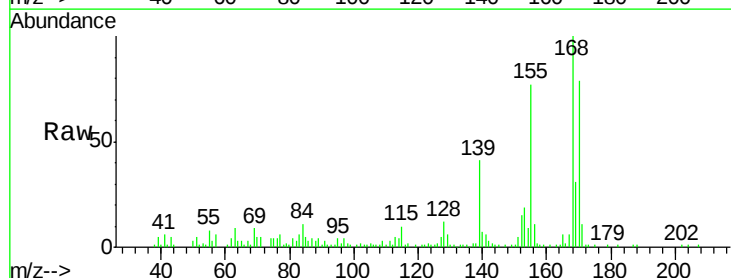
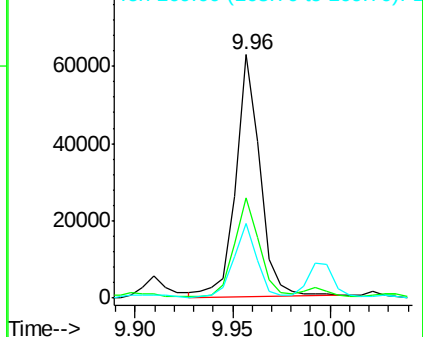
Delta R.T. -0.00 min

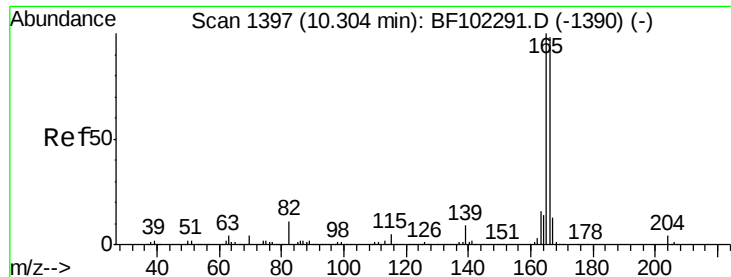
Lab File: BF102326.D

Acq: 23 Jan 2018 5:37

Tgt Ion:	168	Resp:	53881
Ion Ratio	Lower	Upper	
168	100		
139	41.2	30.1	45.1
169	30.8	10.9	16.3#

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





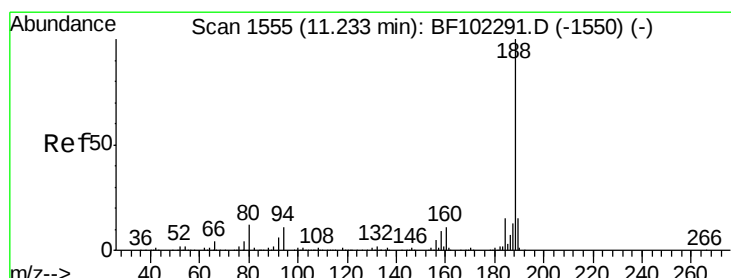
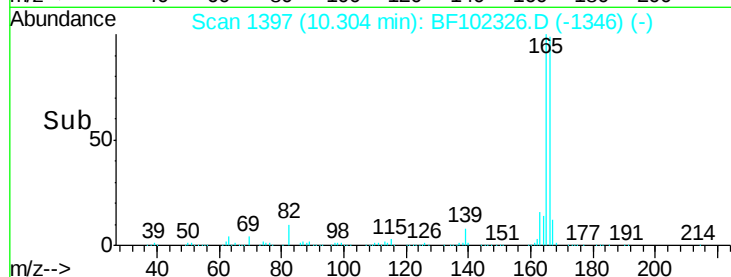
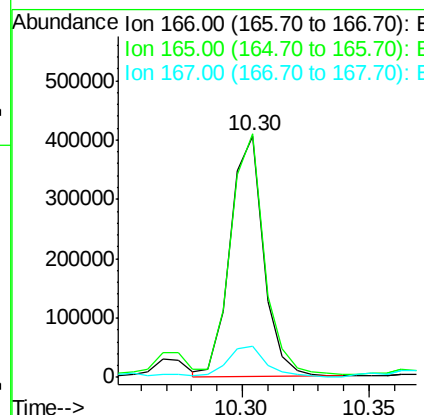
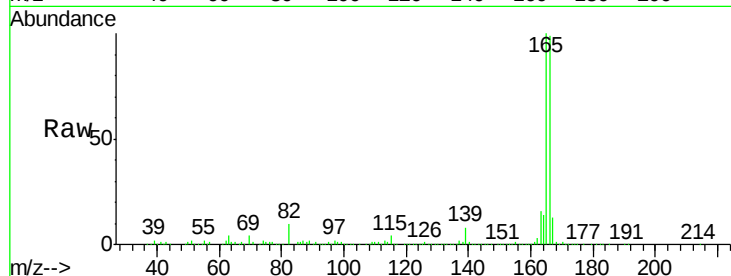
#57
Fluorene
 Concen: 26.810 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BF102326.D
 Acq: 23 Jan 2018 5:37

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-02DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.9	79.8	119.8	
167	13.1	10.6	16.0	

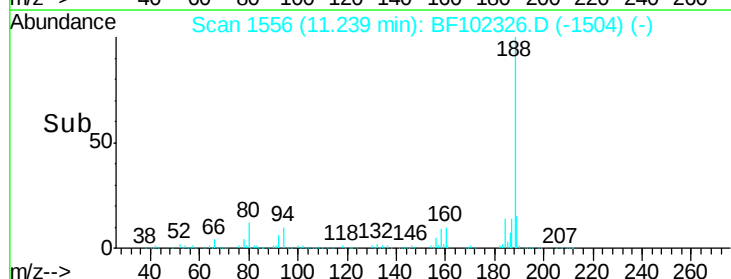
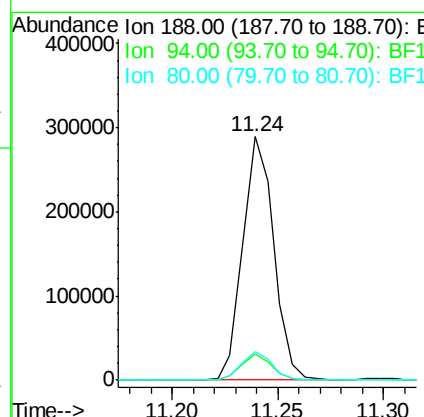
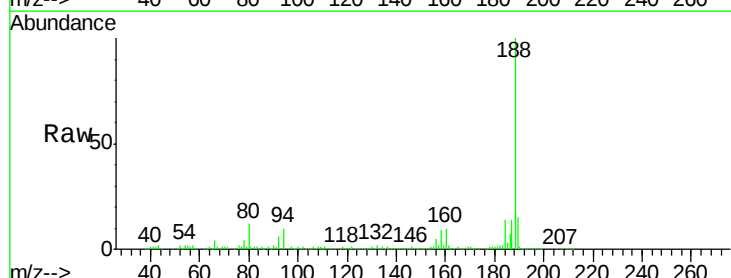
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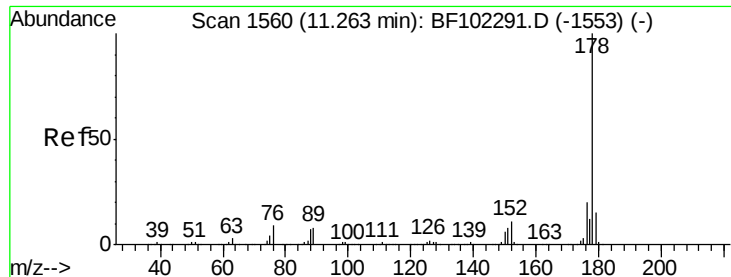
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.01 min
 Lab File: BF102326.D
 Acq: 23 Jan 2018 5:37

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.5	8.5	12.7	
80	11.6	9.2	13.8	





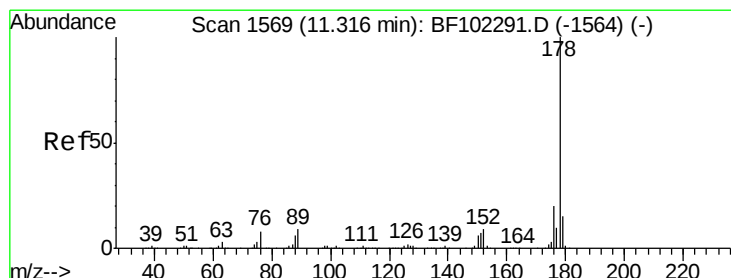
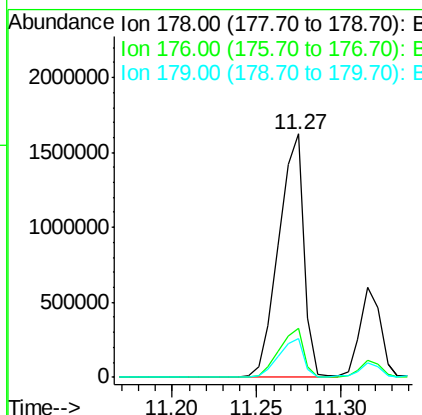
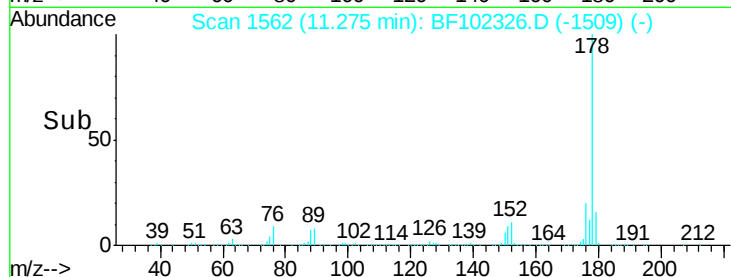
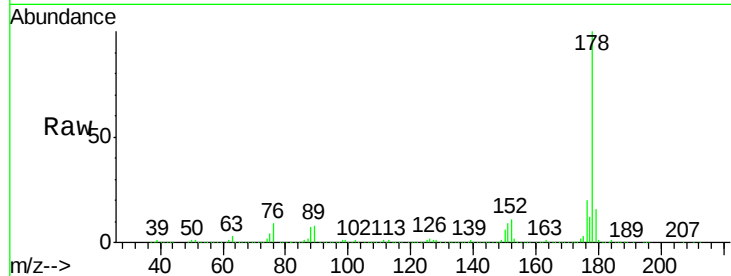
#70
Phenanthrene
Concen: 98.935 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.01 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-02DL

Tot Ion:178 Resp: 1691686
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.8
179 15.8 13.0 19.6

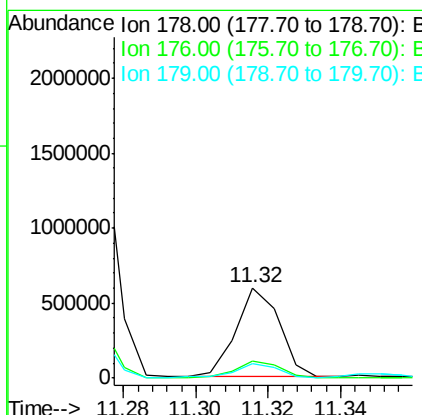
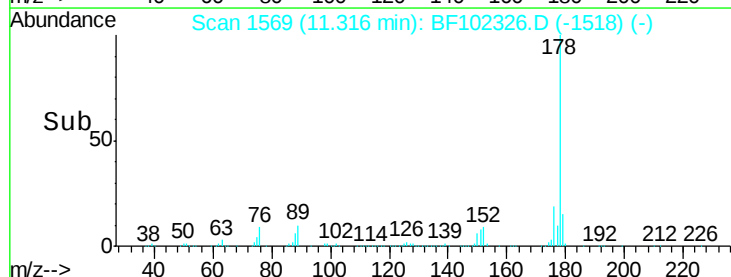
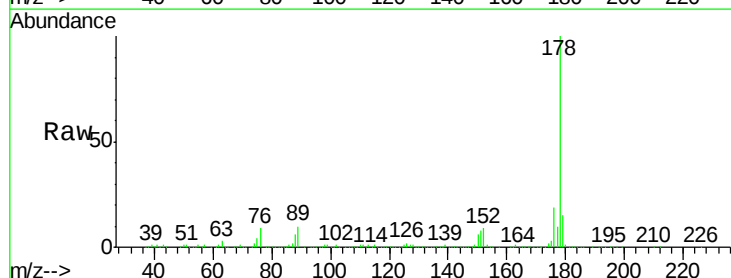
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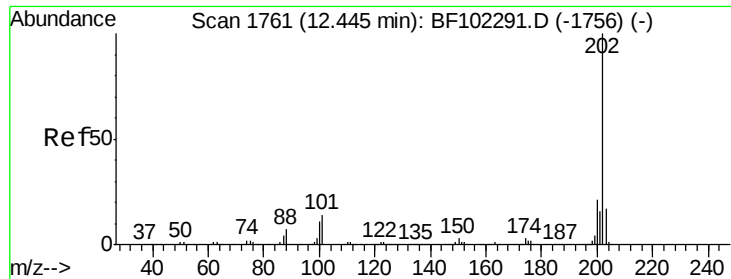
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#71
Anthracene
Concen: 28.422 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Tgt Ion:178 Resp: 496036
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.4 12.6 19.0





#74

Fluoranthene

Concen: 50.348 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102326.D

Acq: 23 Jan 2018 5:37

Instrument :

BNA_F

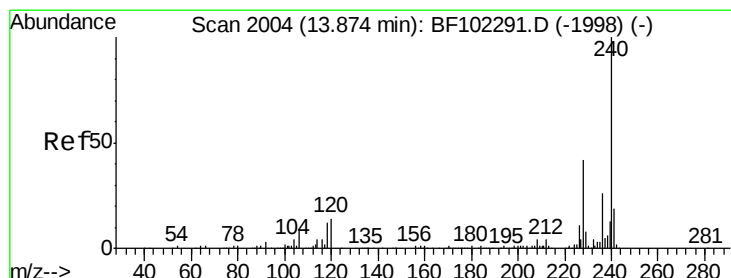
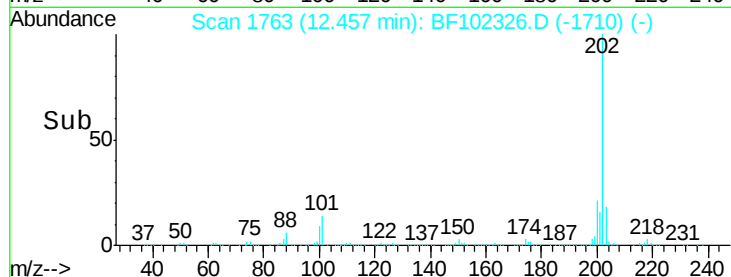
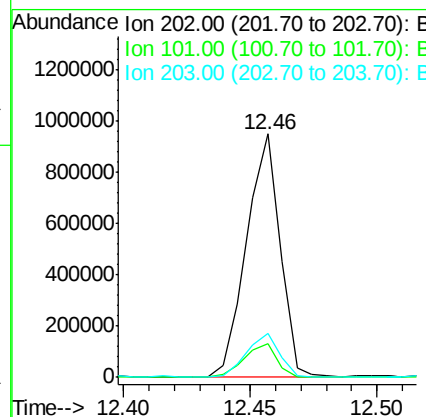
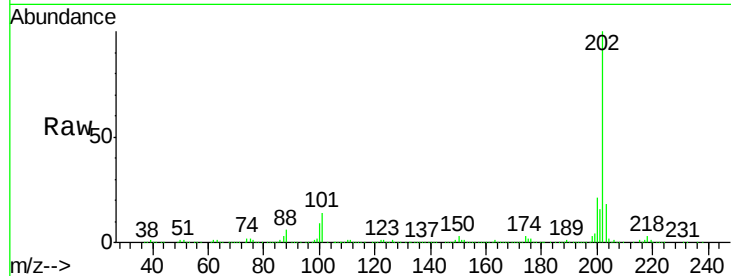
ClientSampleId :

WC-PH3-MGP-02DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		877912		
101	13.6	0.0	34.1		
203	18.2	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

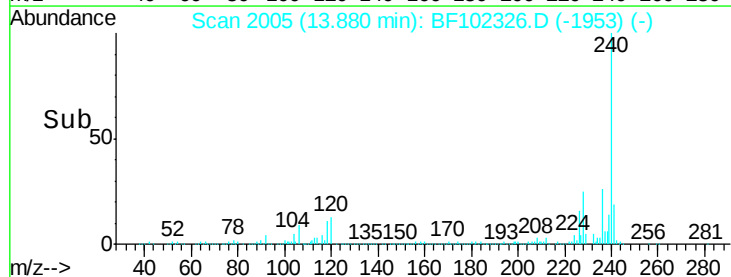
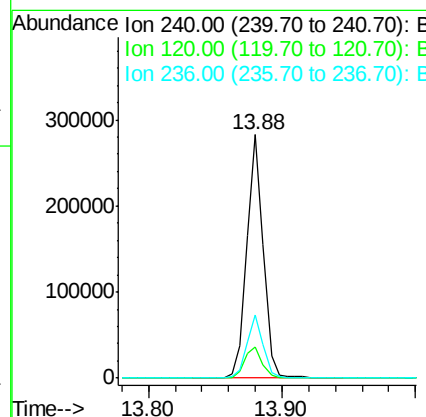
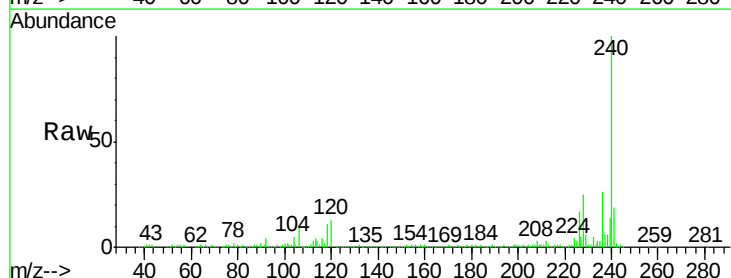
RT: 13.88 min Scan# 2005

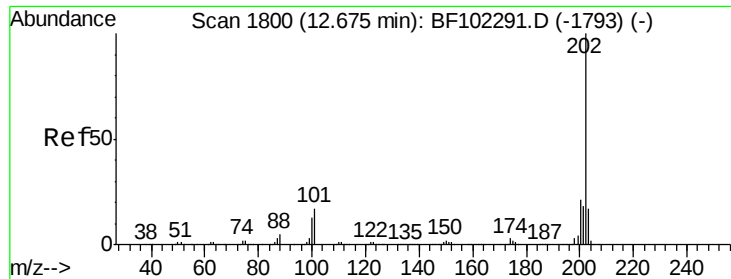
Delta R.T. 0.01 min

Lab File: BF102326.D

Acq: 23 Jan 2018 5:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		241681		
120	12.9	9.5	14.3		
236	26.1	20.7	31.1		





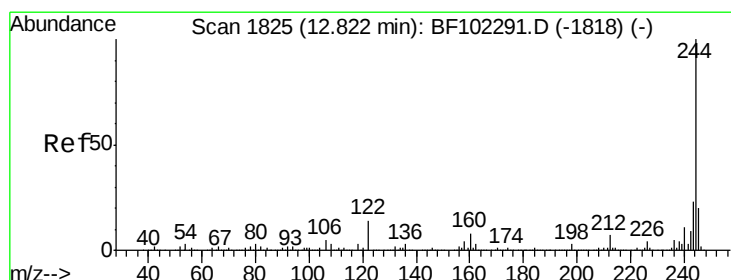
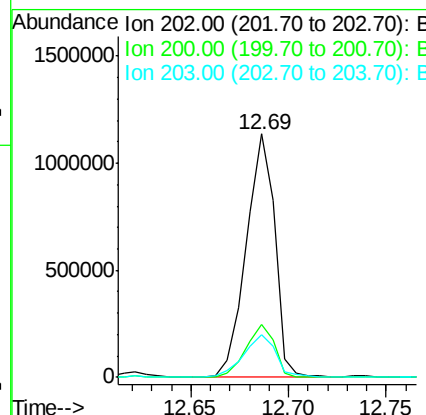
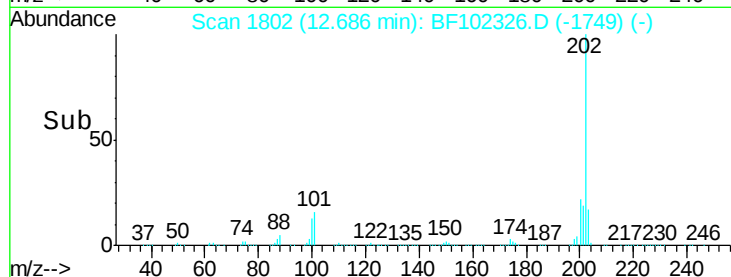
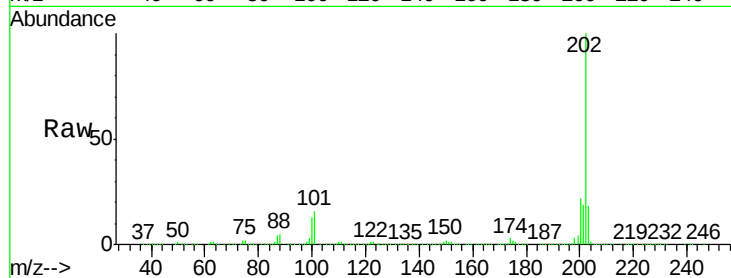
#77
Pvrene
Concen: 61.376 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-02DL

Tot Ion:202 Resp: 1146858
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.2
203 17.7 14.3 21.5

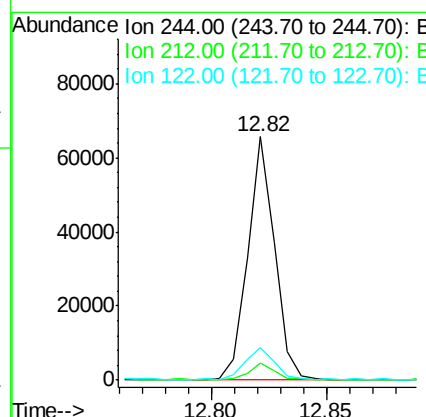
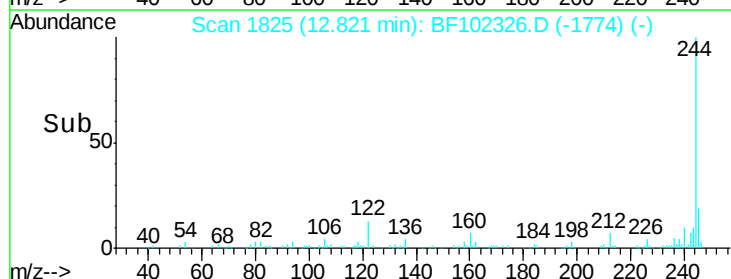
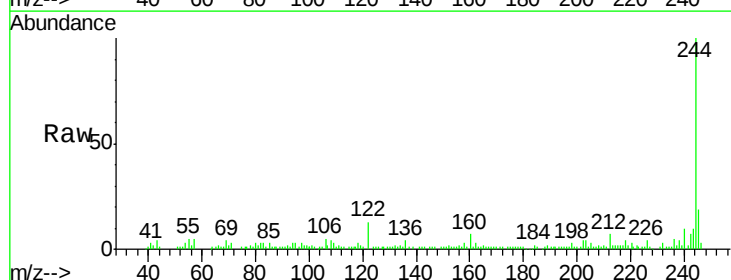
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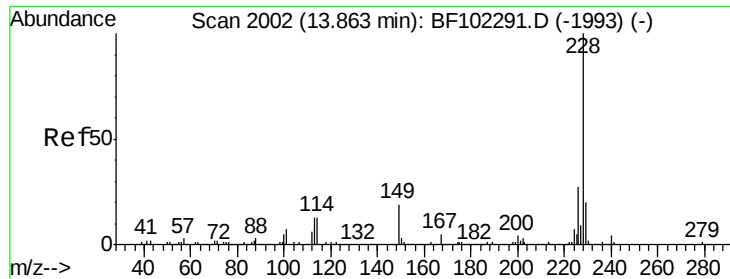
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#78
Terphenyl-d14
Concen: 4.981 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Tgt Ion:244 Resp: 53400
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 13.3 11.0 16.4





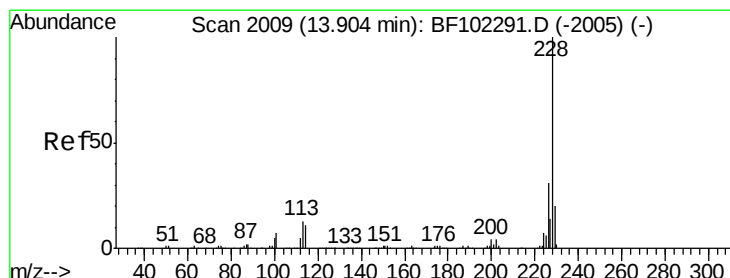
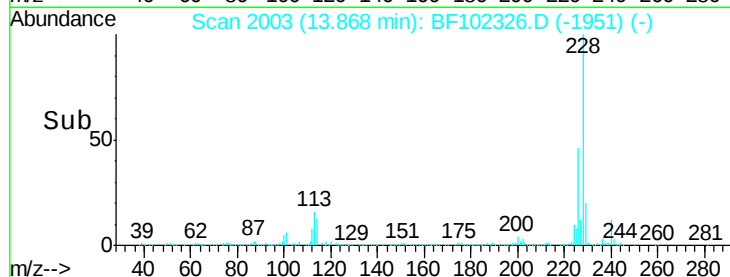
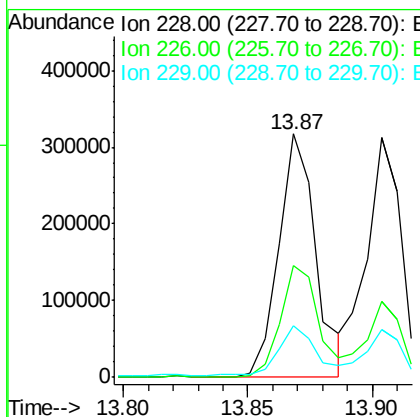
#80
Benzo(a)anthracene
Concen: 21.942 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.01 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-02DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	45.8	22.6	33.8#
229	21.2	15.8	23.6

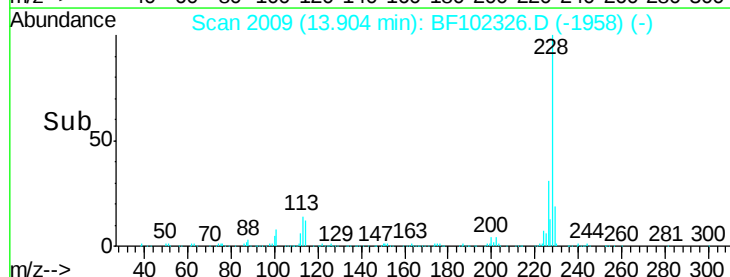
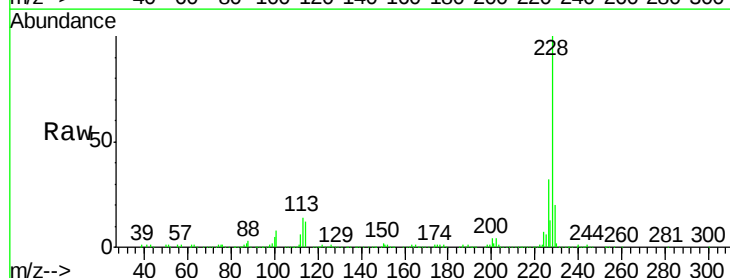
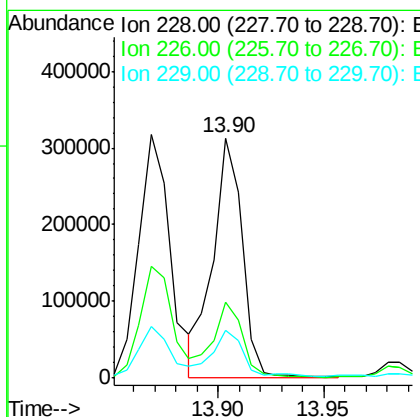
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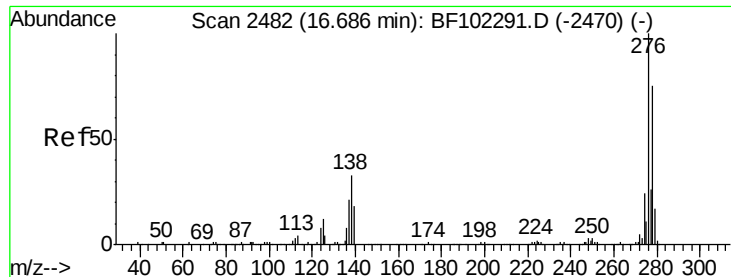
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#82
Chrysene
Concen: 19.934 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.00 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	20.1	16.2	24.4





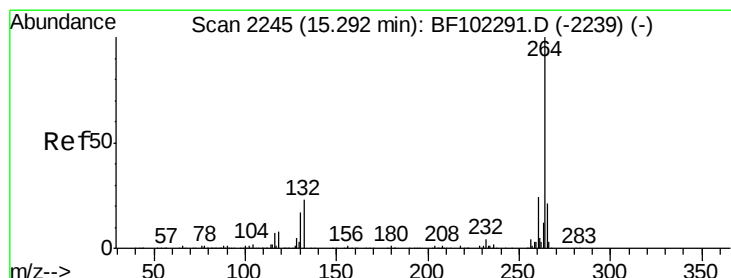
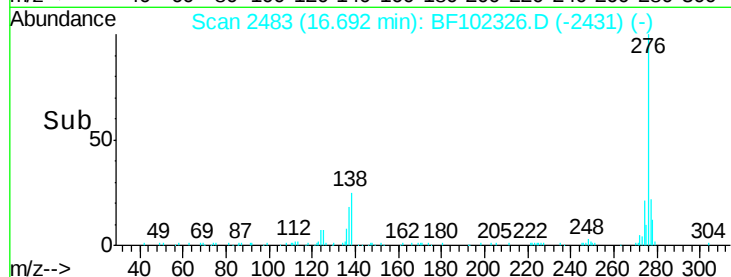
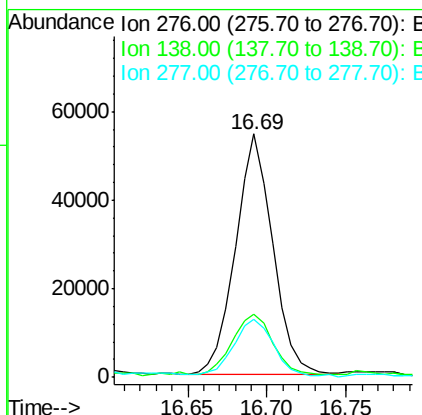
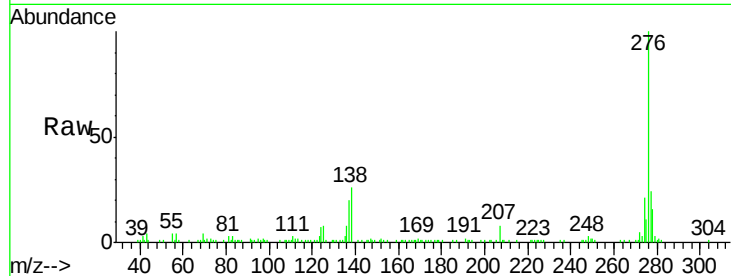
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.102 ng
RT: 16.69 min Scan# 2483
Delta R.T. 0.01 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-02DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.0	25.0	37.6
277	26.6	20.1	30.1

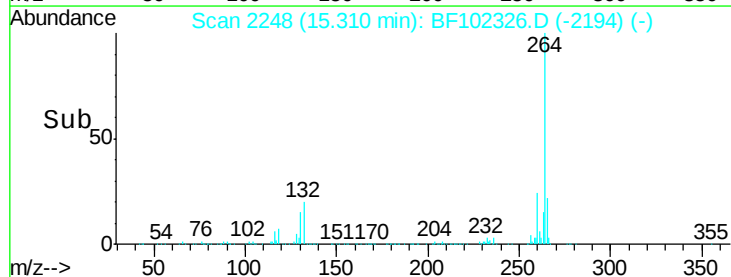
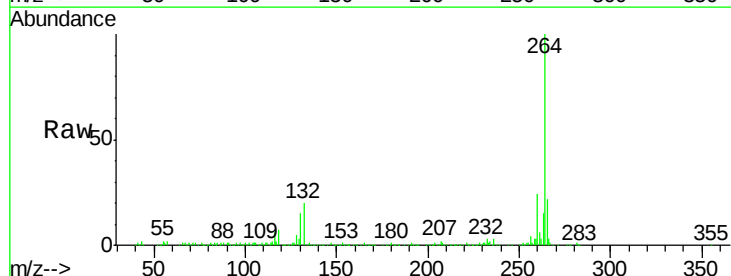
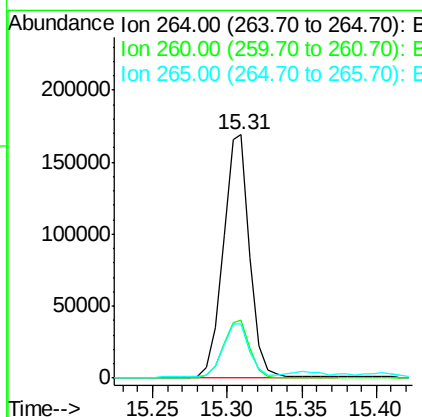
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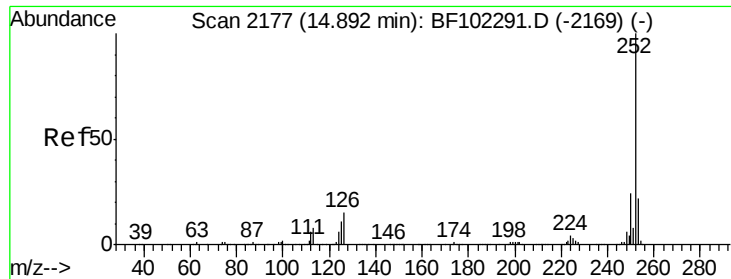
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.02 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.5	17.5	26.3





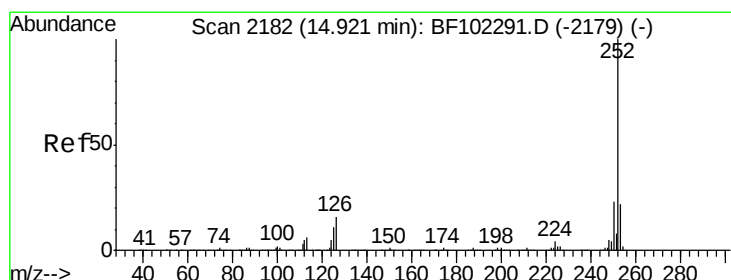
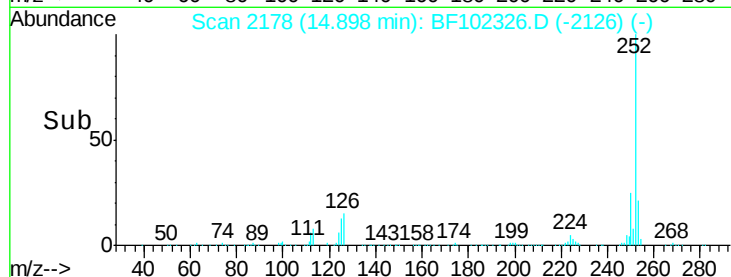
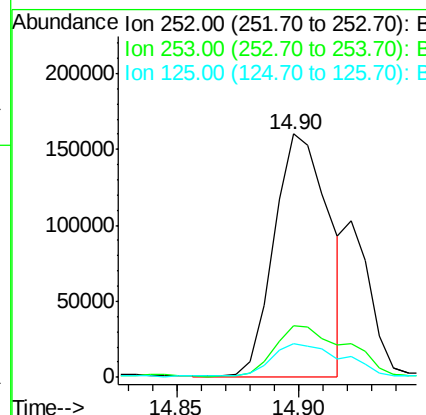
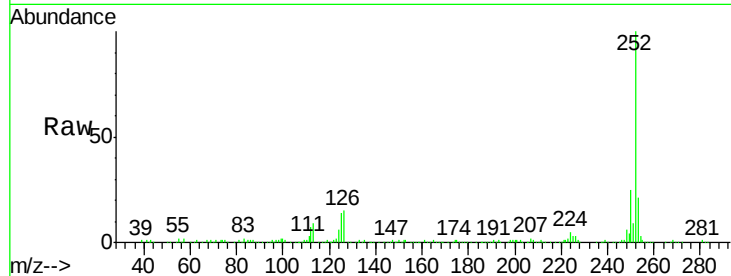
#87
Benzo(b)fluoranthene
Concen: 18.027 ng m
RT: 14.90 min Scan# 2178
Delta R.T. 0.01 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-02DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.0	25.6
125	13.8	9.0	13.6

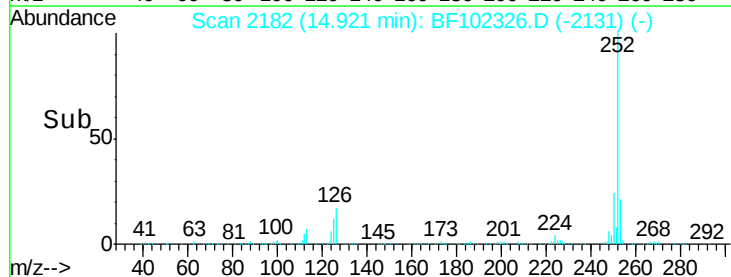
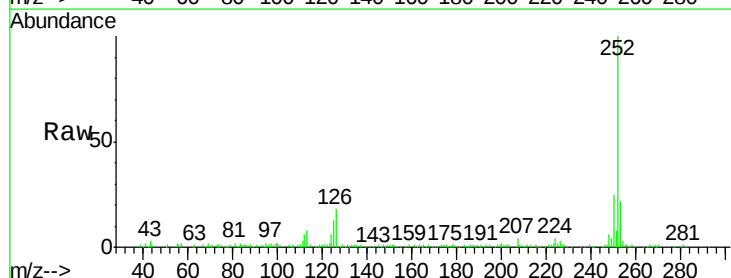
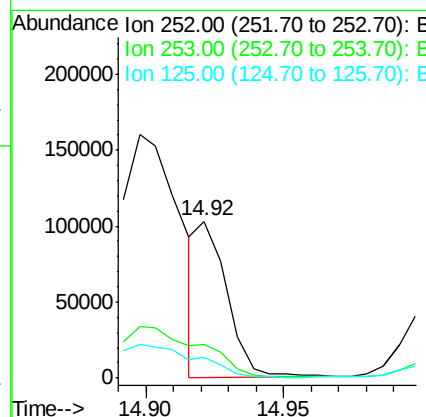
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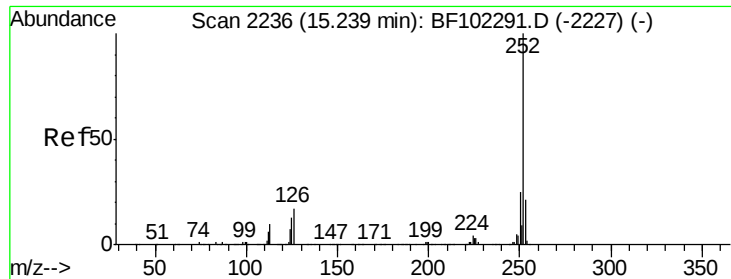
Sohil
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#88
Benzo(k)fluoranthene
Concen: 5.965 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.00 min
Lab File: BF102326.D
Acq: 23 Jan 2018 5:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	13.3	10.2	15.2





#89

Benzo(a)pyrene

Concen: 19.028 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF102326.D

Acq: 23 Jan 2018 5:37

Instrument :

BNA_F

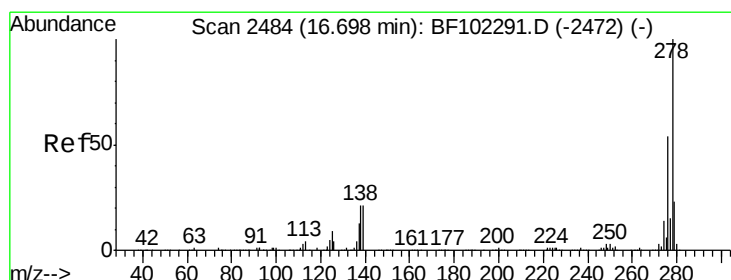
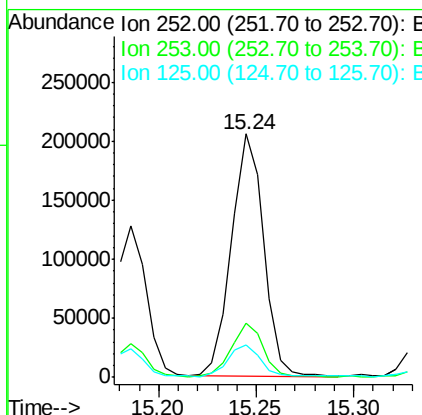
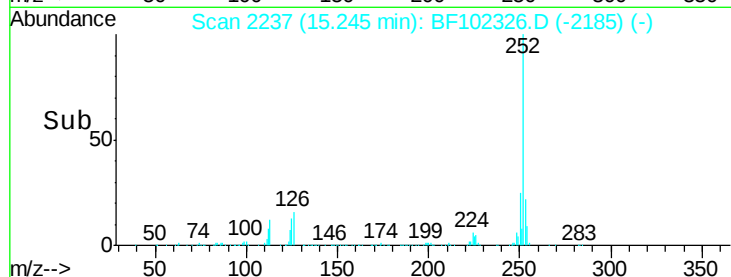
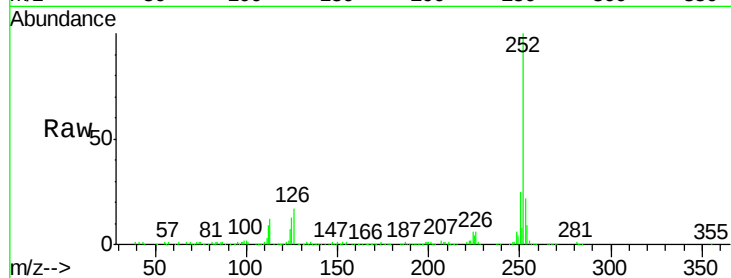
ClientSampleId :

WC-PH3-MGP-02DL

Tot Ion:	252	Resp:	235263
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.1	25.7
125	13.2	9.8	14.6

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 2.148 ng

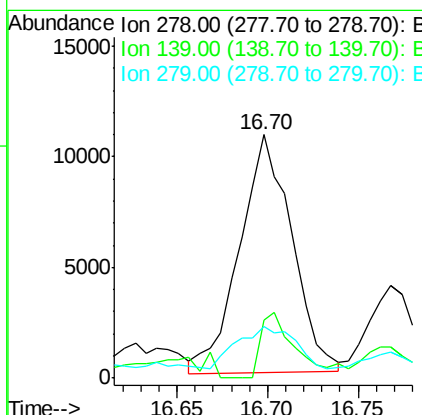
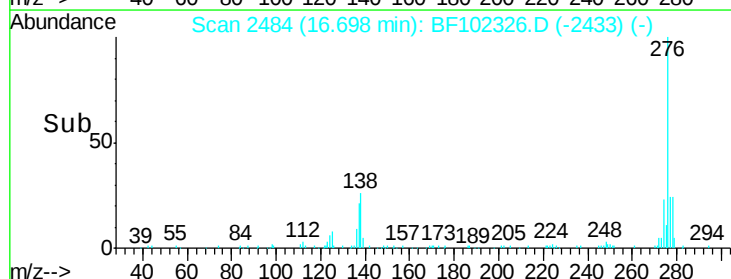
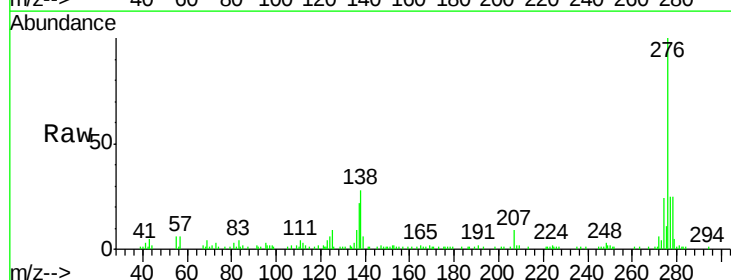
RT: 16.70 min Scan# 2484

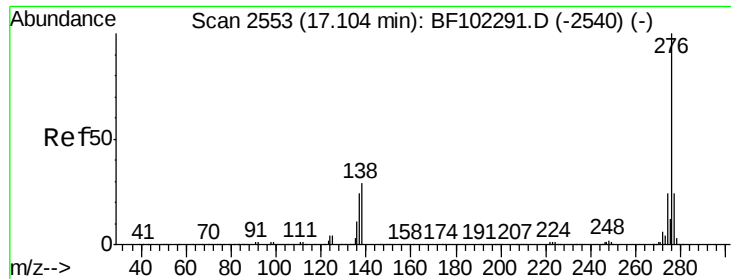
Delta R.T. -0.00 min

Lab File: BF102326.D

Acq: 23 Jan 2018 5:37

Tgt Ion:	278	Resp:	21518
Ion Ratio	Lower	Upper	
278	100		
139	23.7	15.9	23.9
279	21.2	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 10.000 ng
 RT: 17.12 min Scan# 2555
 Delta R.T. 0.01 min
 Lab File: BF102326.D
 Acq: 23 Jan 2018 5:37

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-02DL

Tot Ion:	276	Resp:	98893
Ion Ratio		Lower	Upper
276	100		
277	22.8	17.9	26.9
138	27.2	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 1/23/2018 12:47:06 PM

