

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
 Data File : BF102596.D
 Acq On : 29 Jan 2018 14:36
 Operator : SJ/JU
 Sample : J1253-19 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-10(0-5)

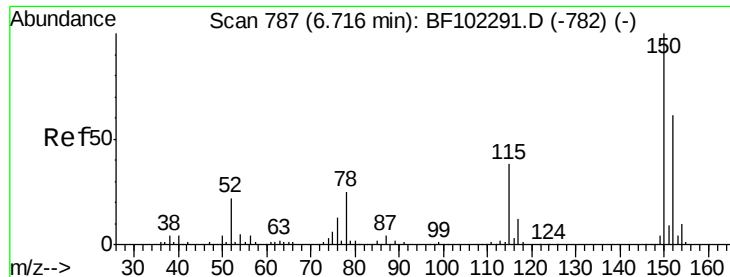
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Quant Time: Jan 30 01:06:38 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	168697	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	650811	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	225105	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	334569	20.00	ng	0.00
75) Chrysene-d12	13.90	240	276527	20.00	ng	0.02
86) Perylene-d12	15.34	264	194068	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	511457	45.97	ng	0.00
7) Phenol-d6	6.36	99	595055	44.36	ng	0.00
23) Nitrobenzene-d5	7.28	82	333560	29.45	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	70898	31.79	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	529332	34.58	ng	0.00
78) Terphenyl-d14	12.83	244	353039	28.78	ng	0.00
Target Compounds						
48) Acenaphthylene	9.62	152	51772	2.124	ng	Qvalue 98
49) Dimethylphthalate	9.47	163	76204	4.096	ng	99
70) Phenanthrene	11.26	178	170946	8.768	ng	99
71) Anthracene	11.32	178	61800	3.106	ng	98
73) Di-n-butylphthalate	11.80	149	120236	4.955	ng	100
74) Fluoranthene	12.46	202	256865	12.920	ng	98
77) Pyrene	12.69	202	245083	11.463	ng	98
80) Benzo(a)anthracene	13.89	228	118985	6.989	ng	# 87
82) Chrysene	13.92	228	125601	7.265	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.76	276	67093	4.699	ng	95
87) Benzo(b)fluoranthene	14.93	252	131336m	10.441	ng	
88) Benzo(k)fluoranthene	14.95	252	42003m	3.534	ng	
89) Benzo(a)pyrene	15.29	252	88606	7.811	ng	# 73
91) Benzo(g,h,i)perylene	17.19	276	75690	8.342	ng	# 86

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



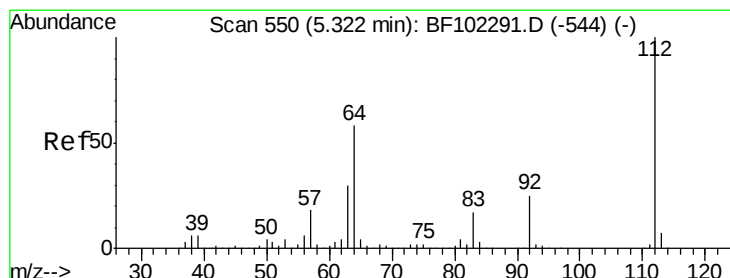
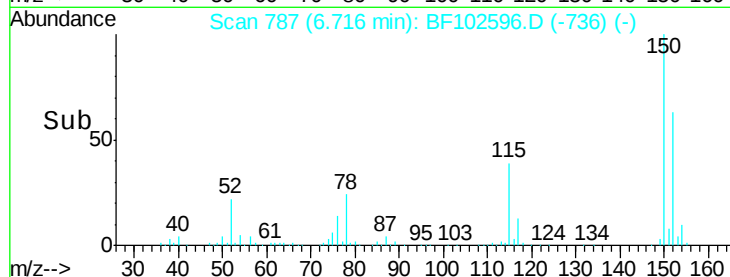
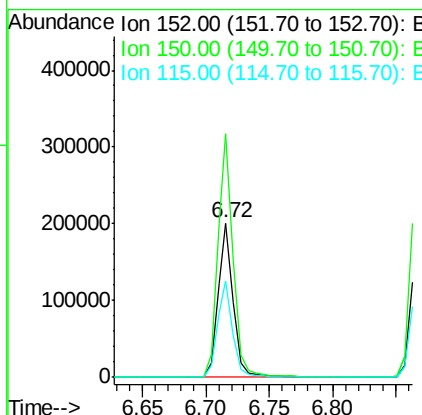
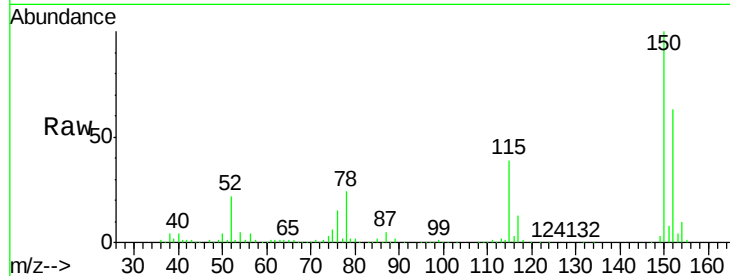
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

Instrument :
BNA_F
ClientSampleId :
WC-10(0-5)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	62.1	50.1	75.1

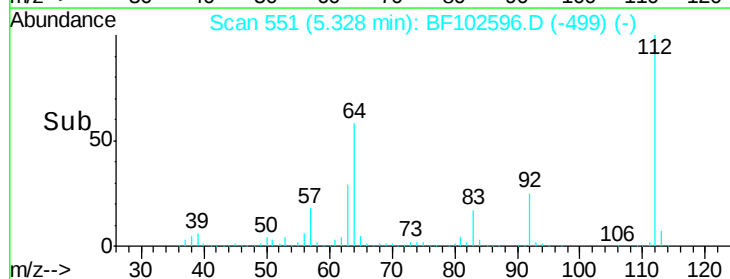
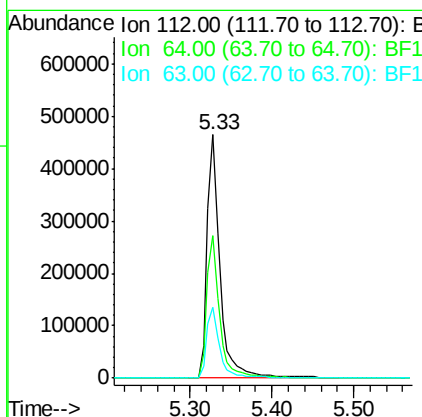
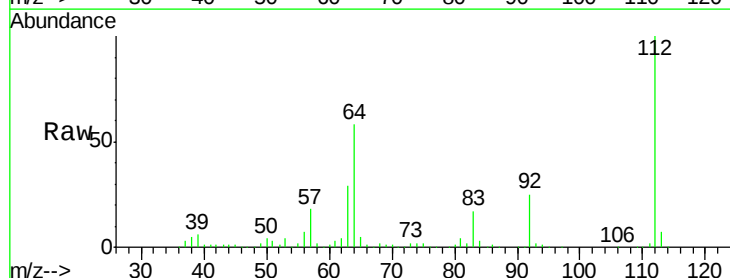
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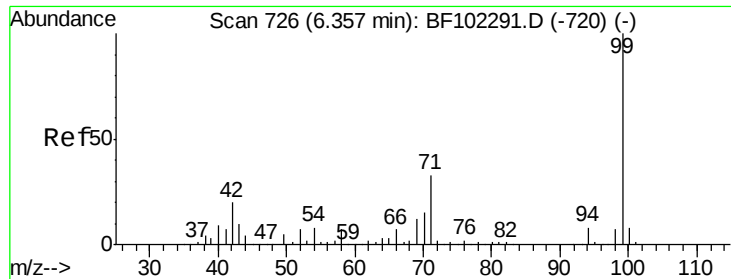
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#5
2-Fluorophenol
Concen: 45.970 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.9	71.9
63	29.2	23.7	35.5





#7

Phenol-d6

Concen: 44.363 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

Instrument :

BNA_F

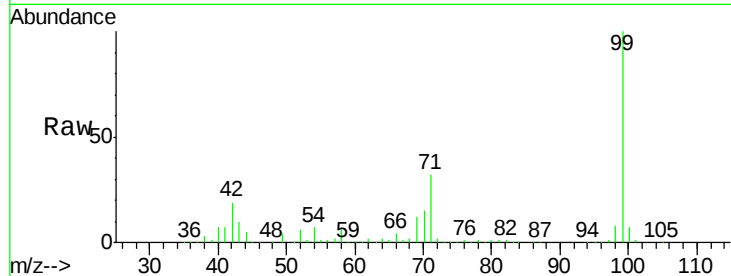
ClientSampleId :

WC-10(0-5)

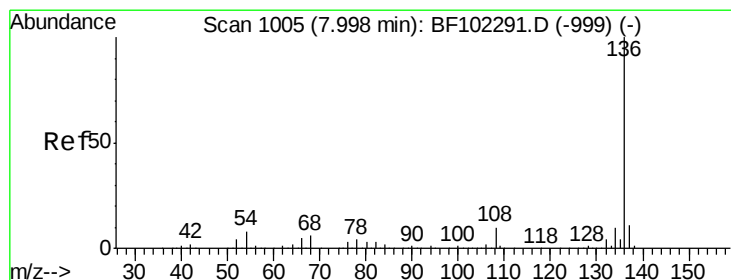
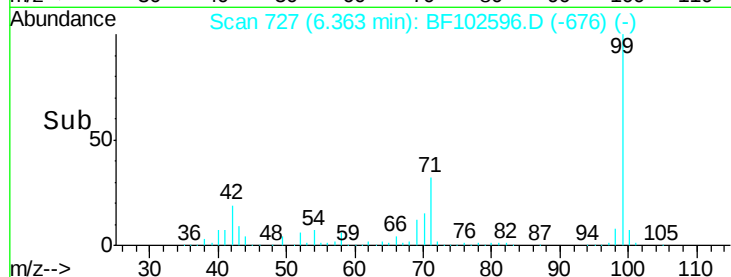
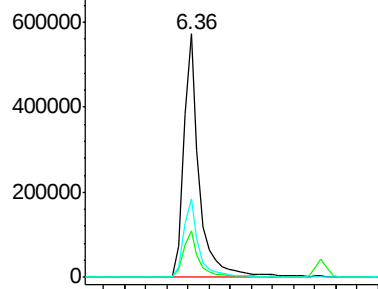
Tgt Ion:	99	Resp:	595055
Ion Ratio	Lower	Upper	
99	100		
42	19.3	14.5	21.7
71	32.0	25.4	38.0

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

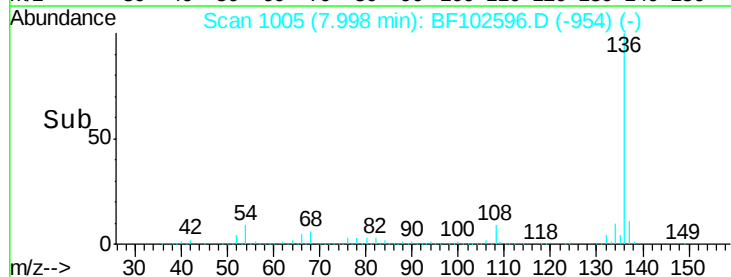
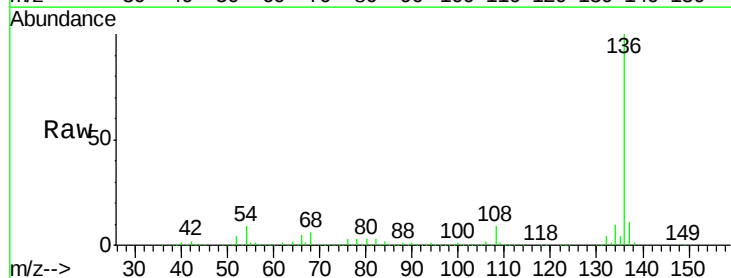
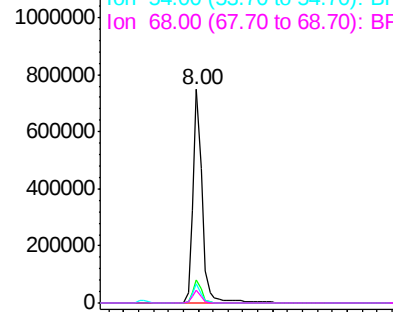
Delta R.T. -0.00 min

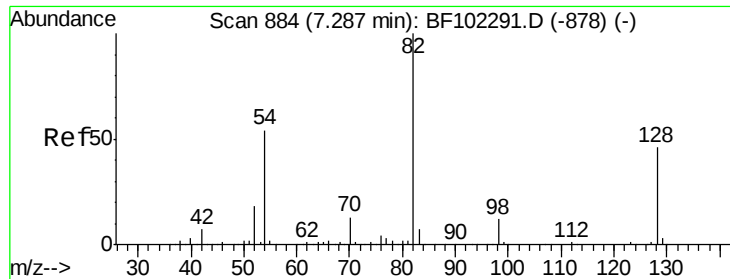
Lab File: BF102596.D

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Tgt Ion:	136	Resp:	650811
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.8	6.6	9.8
68	6.1	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





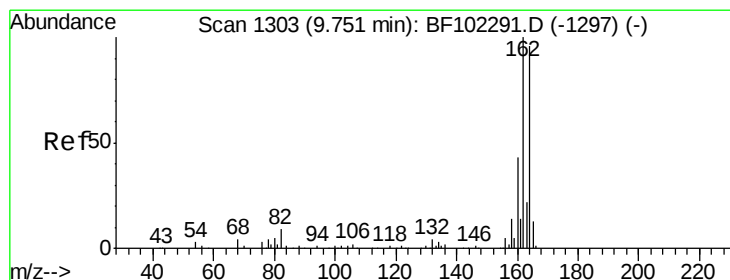
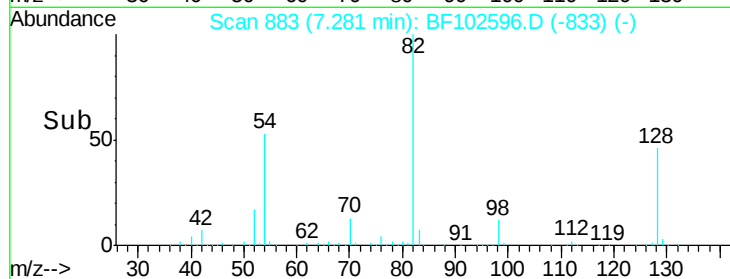
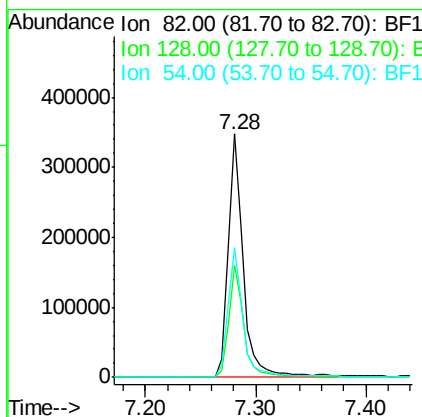
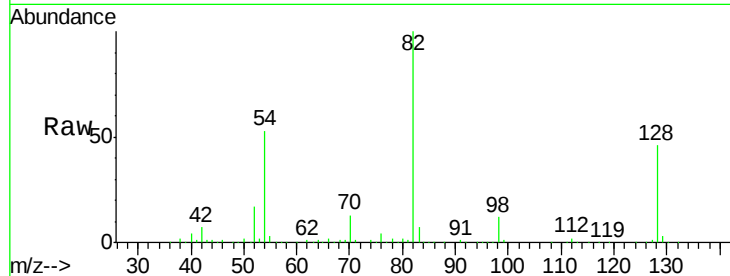
#23
 Nitrobenzene-d5
 Concen: 29.453 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102596.D
 Acq: 29 Jan 2018 14:36

Instrument :
 BNA_F
 ClientSampleId :
 WC-10(0-5)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	333560		
128	46.0	36.1	54.1	
54	53.3	41.4	62.2	

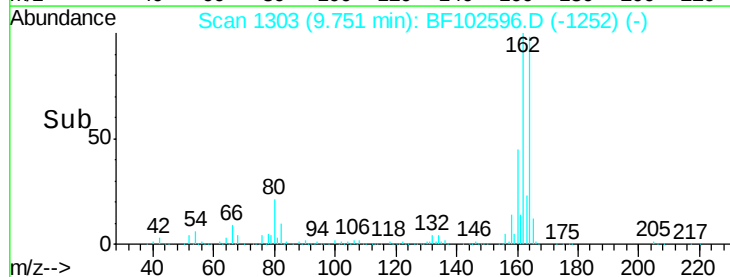
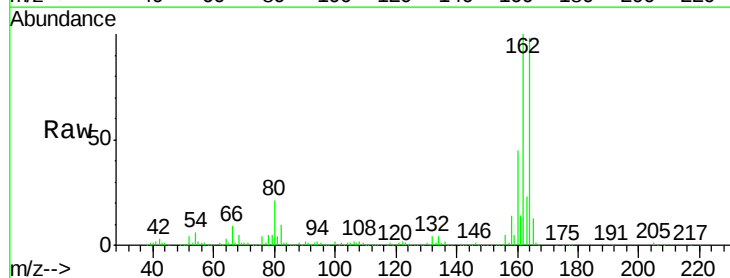
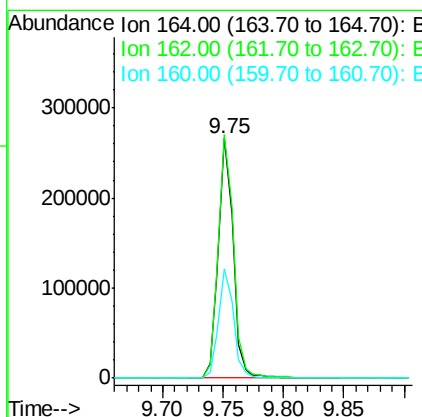
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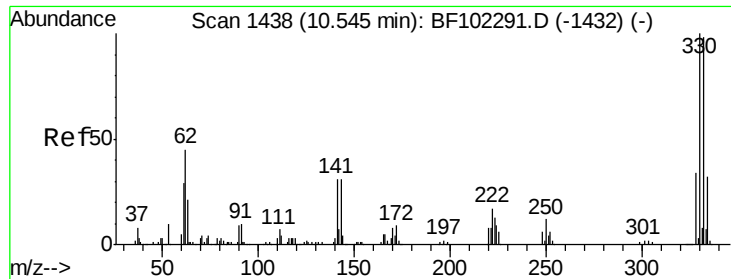
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BF102596.D
 Acq: 29 Jan 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	225105		
162	101.7	86.1	129.1	
160	45.4	38.3	57.5	





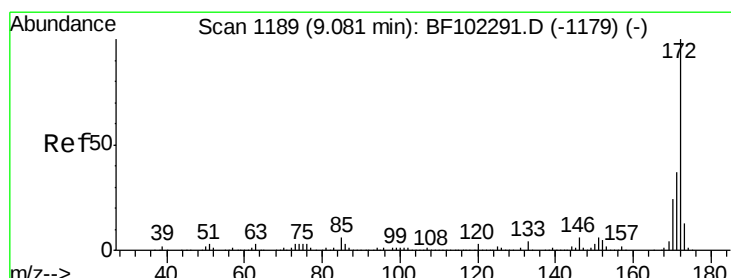
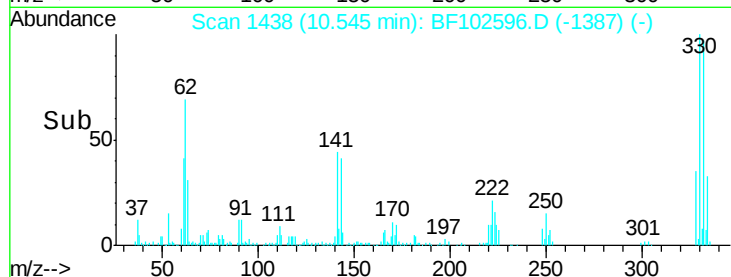
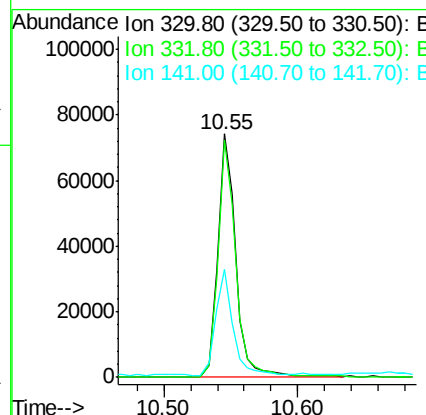
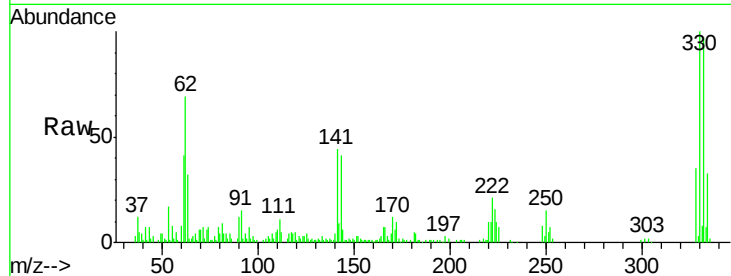
#41
 2,4,6-Tribromophenol
 Concen: 31.786 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102596.D
 Acq: 29 Jan 2018 14:36

Instrument :
 BNA_F
 ClientSampled :
 WC-10(0-5)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	70898		
332	95.6	77.0	115.6	
141	41.3	29.9	44.9	

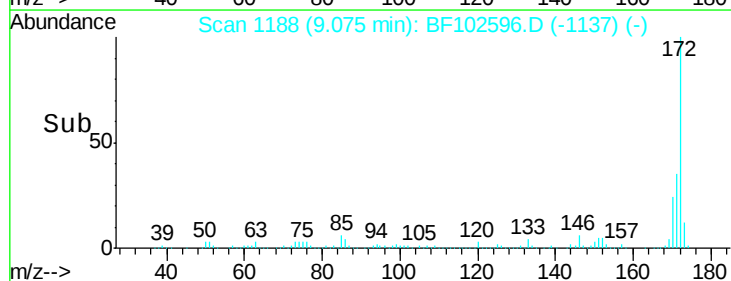
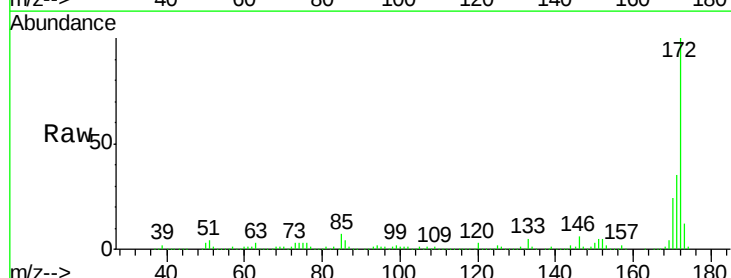
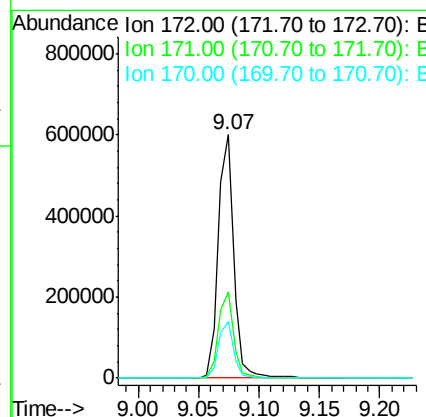
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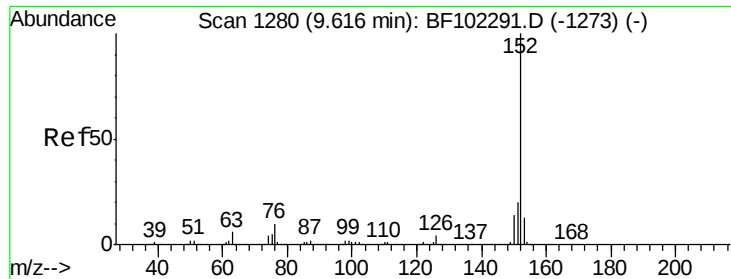
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#44
 2-Fluorobiphenyl
 Concen: 34.575 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: BF102596.D
 Acq: 29 Jan 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	529332		
171	35.4	29.7	44.5	
170	23.5	19.6	29.4	





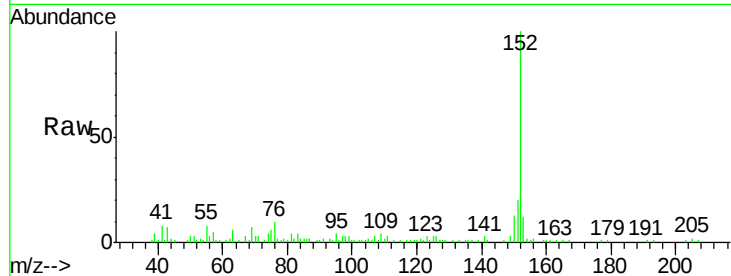
#48
Acenaphthylene
Concen: 2.124 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.00 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

Instrument :
BNA_F
ClientSampleId :
WC-10(0-5)

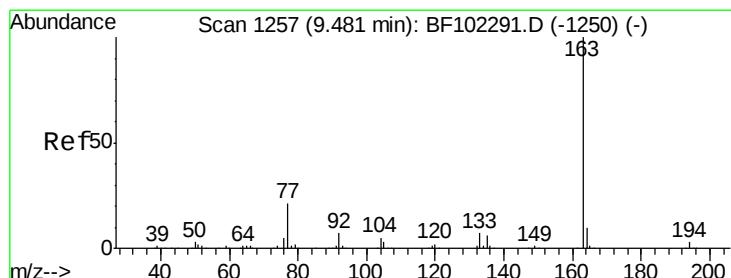
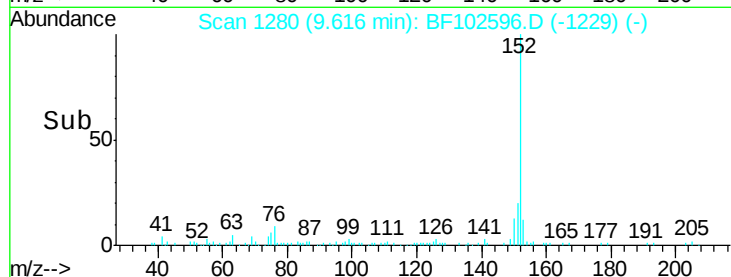
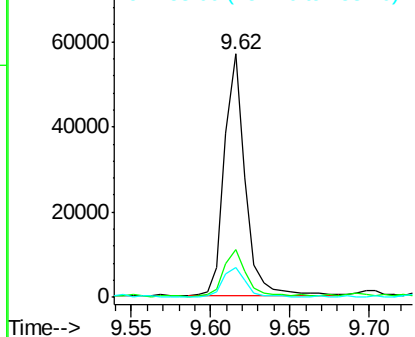
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	12.2	10.7	16.1

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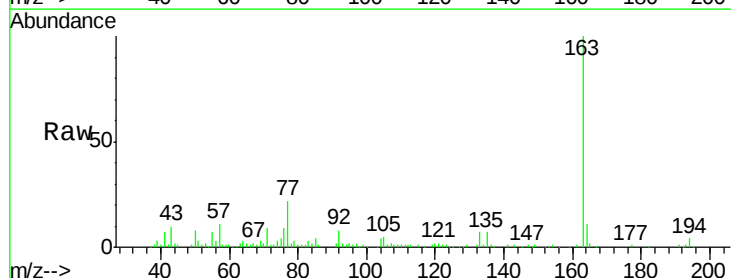


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

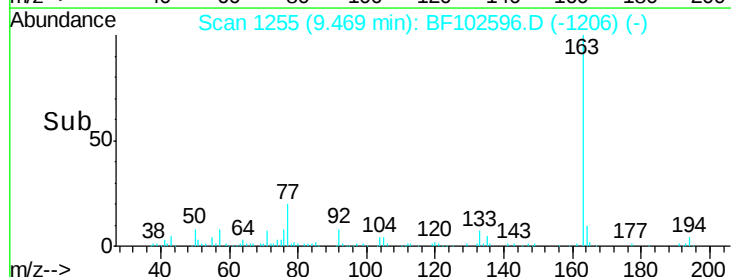
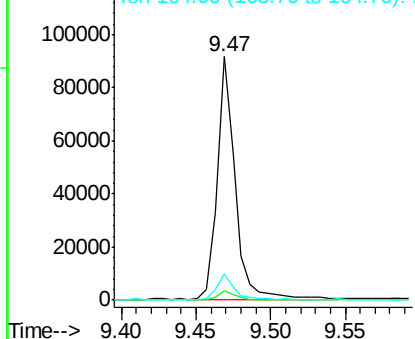


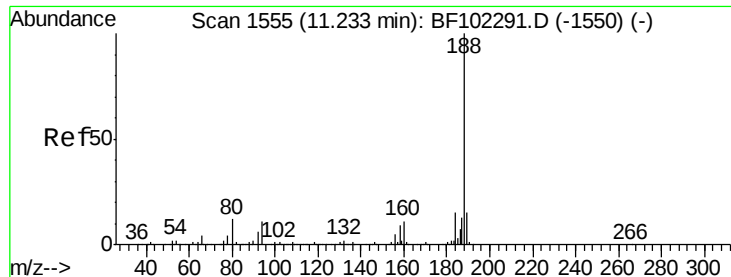
#49
Dimethylphthalate
Concen: 4.096 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	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





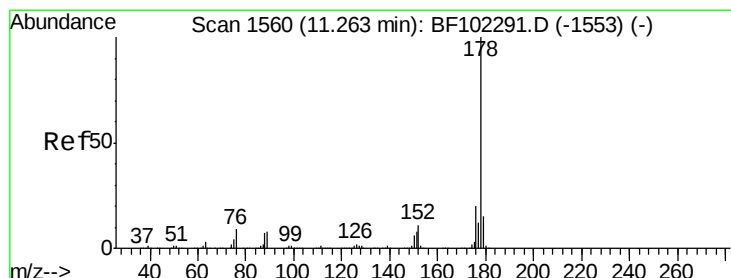
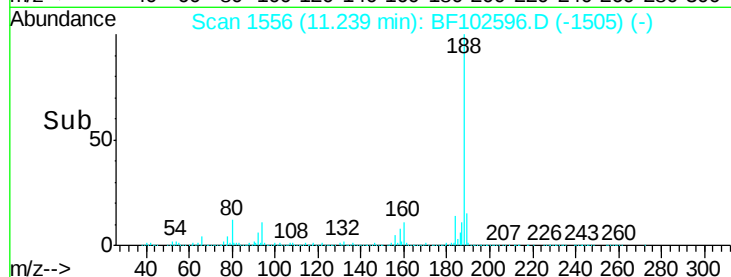
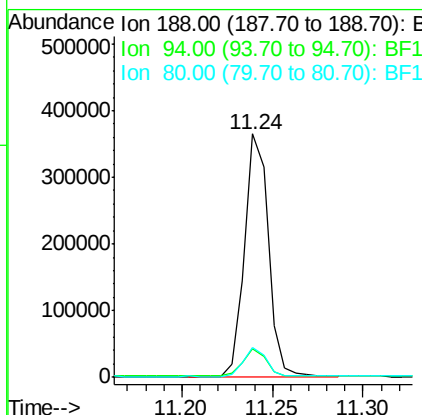
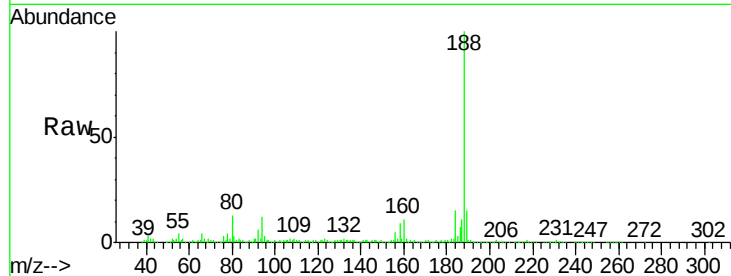
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

Instrument :
BNA_F
ClientSampleId :
WC-10(0-5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.9	8.5	12.7
80	12.5	9.2	13.8

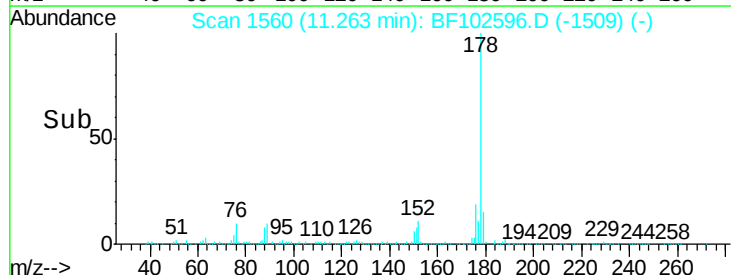
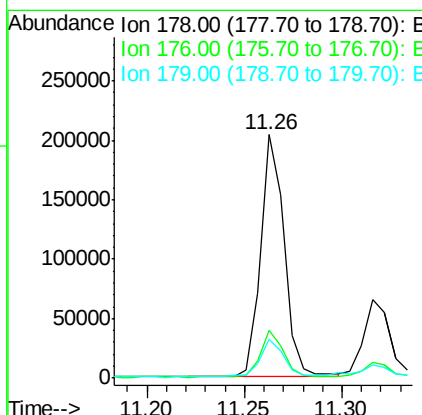
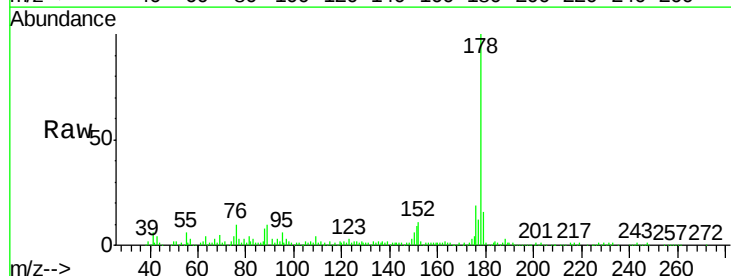
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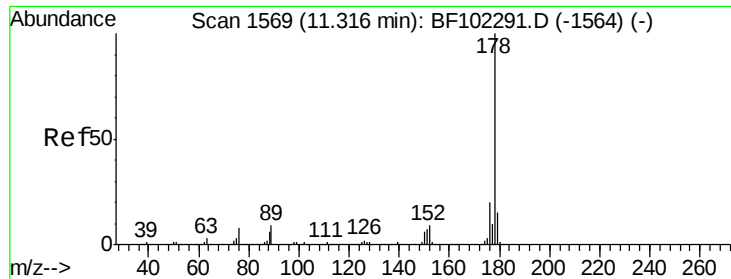
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#70
Phenanthrene
Concen: 8.768 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	15.8	23.8
179	15.9	13.0	19.6





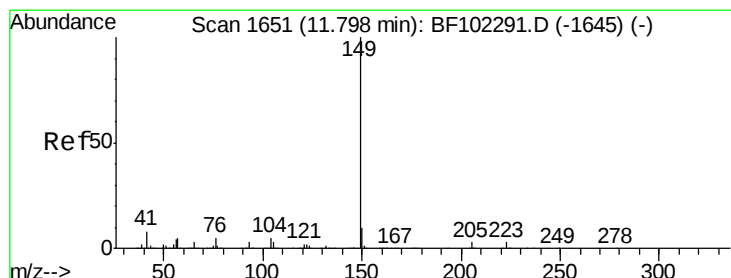
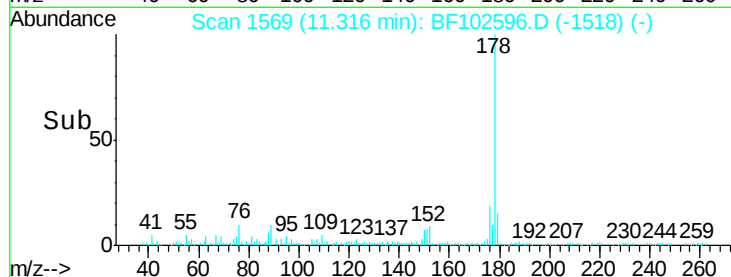
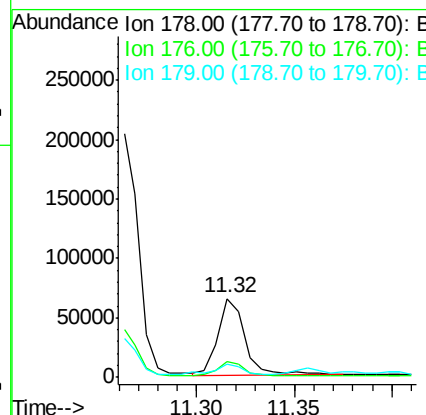
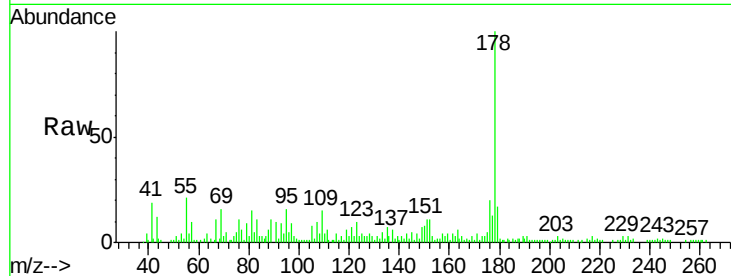
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 Anthracene
 Concen: 3.106 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BF102596.D
 Acq: 29 Jan 2018 14:36

Instrument :
 BNA_F
 ClientSampled :
 WC-10(0-5)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.4	23.2
179	16.6	12.6	19.0

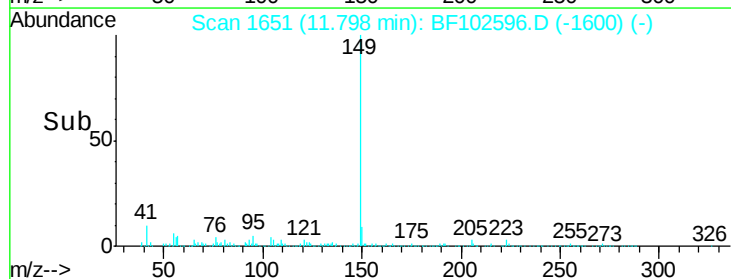
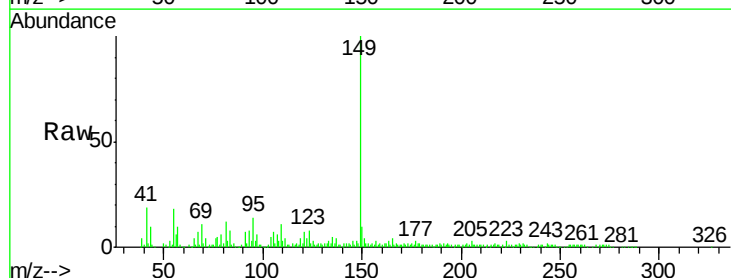
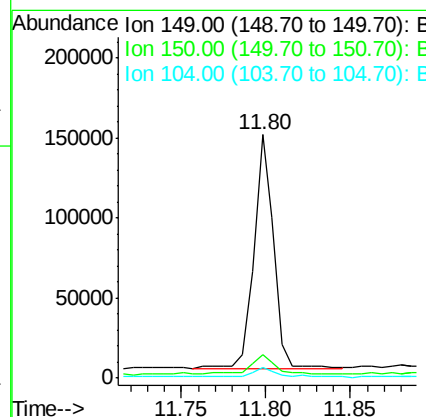
Manual Integrations
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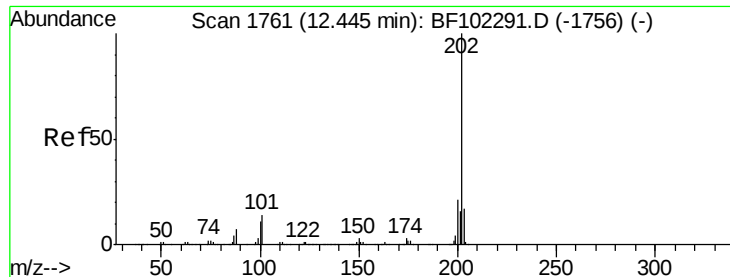
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#73
 Di-n-butylphthalate
 Concen: 4.955 ng
 RT: 11.80 min Scan# 1651
 Delta R.T. -0.00 min
 Lab File: BF102596.D
 Acq: 29 Jan 2018 14:36

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.8	11.6
104	4.6	3.8	5.8





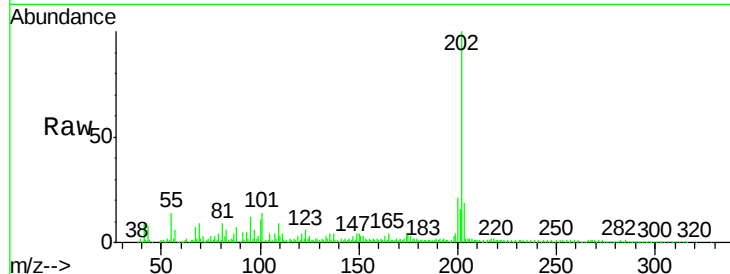
#74
 Fluoranthene
 Concen: 12.920 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF102596.D
 Acq: 29 Jan 2018 14:36

Instrument :
 BNA_F
 ClientSampleId :
 WC-10(0-5)

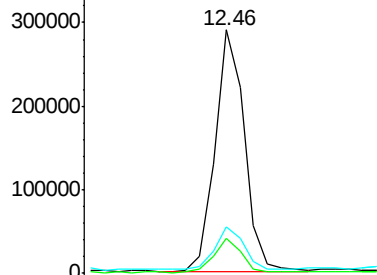
Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	14.5	0.0	34.1
203	19.1	0.0	38.1

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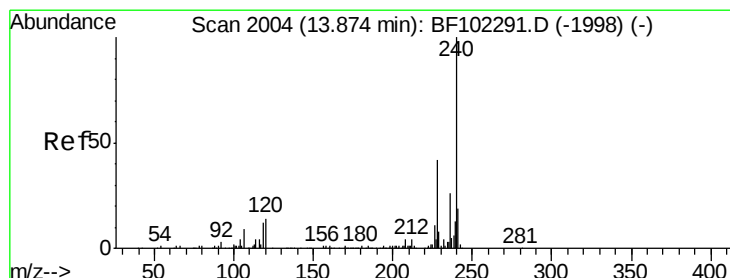
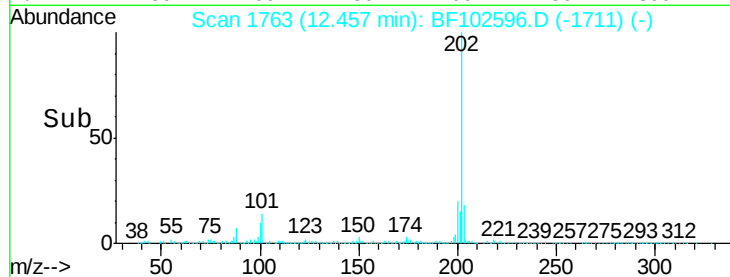
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Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

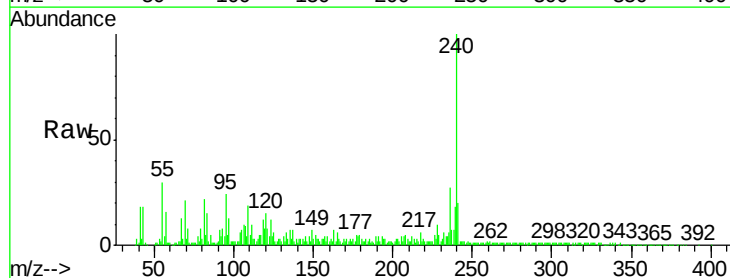


Time--> 12.40 12.45 12.50

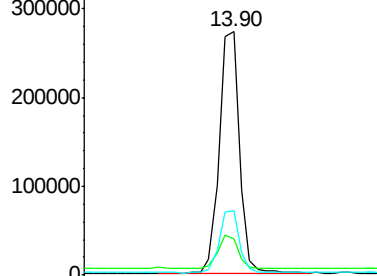


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. 0.02 min
 Lab File: BF102596.D
 Acq: 29 Jan 2018 14:36

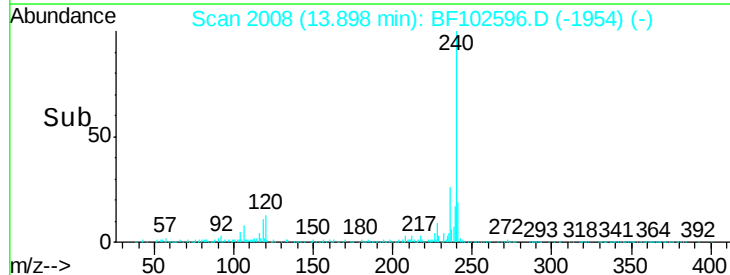
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.0	9.5	14.3#
236	26.6	20.7	31.1

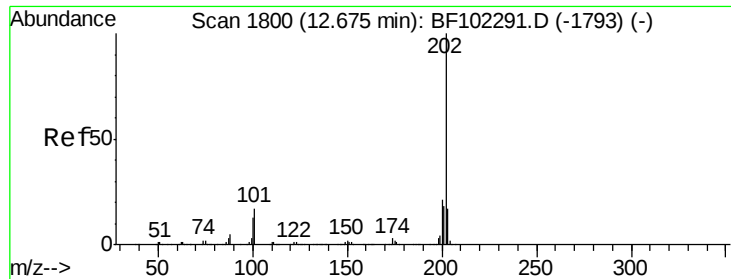


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time--> 13.80 13.85 13.90 13.95





#77

Pyrene

Concen: 11.463 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

Instrument :

BNA_F

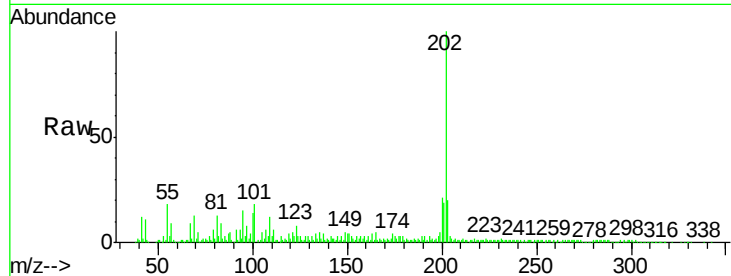
ClientSampled :

WC-10(0-5)

Tgt Ion:	202	Resp:	245083
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	19.6	14.3	21.5

Manual Integrations
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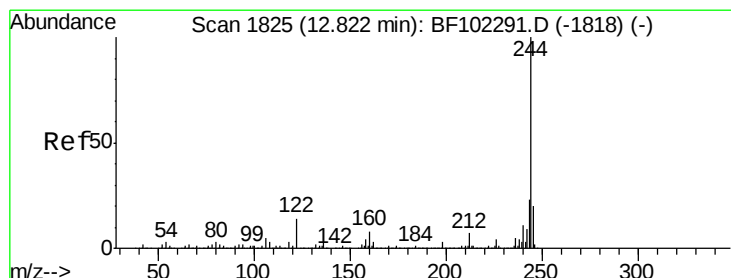
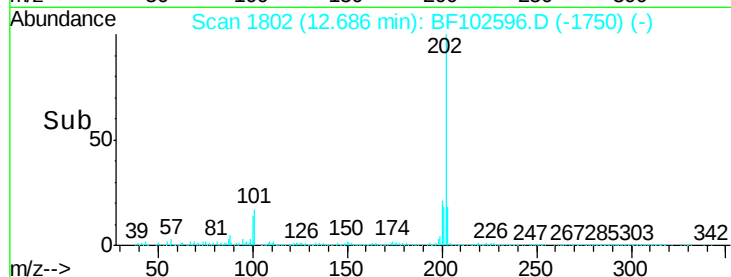
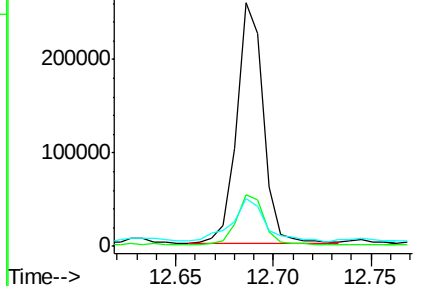
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 28.781 ng

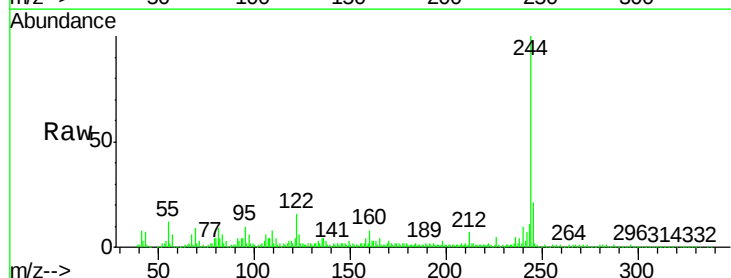
RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

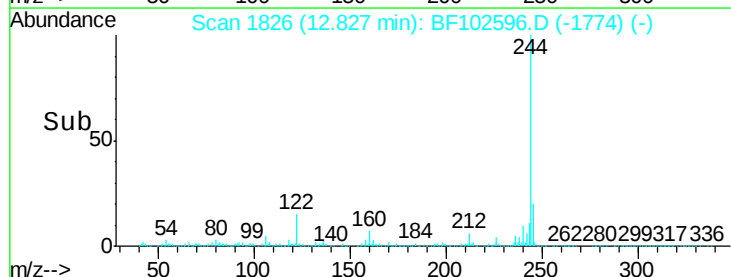
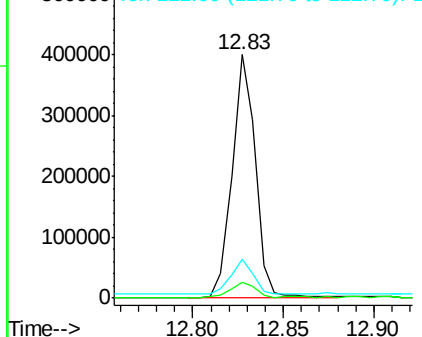
Tgt Ion:	244	Resp:	353039
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	15.9	11.0	16.4

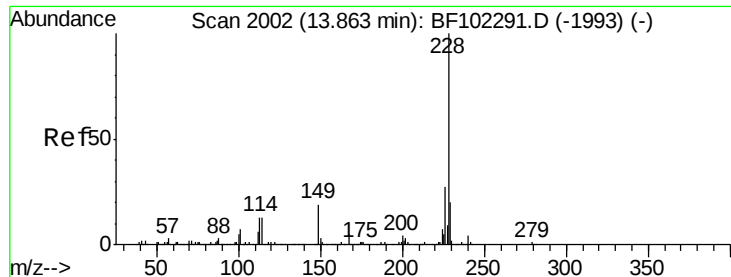


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





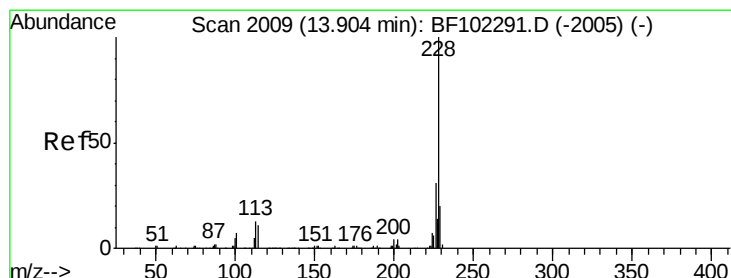
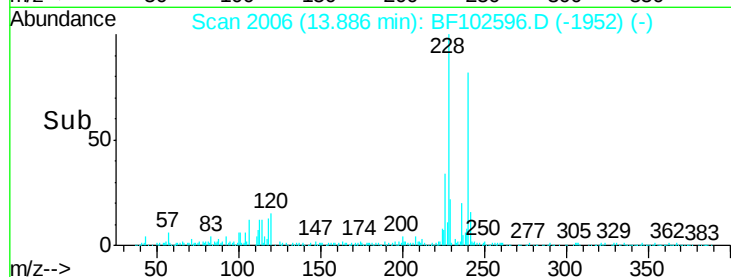
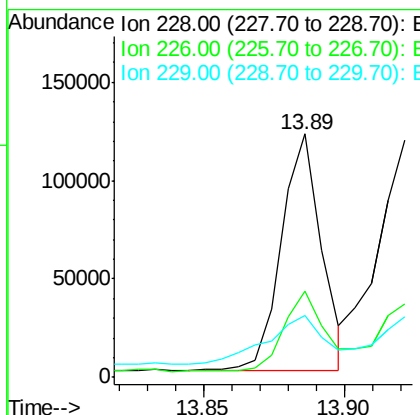
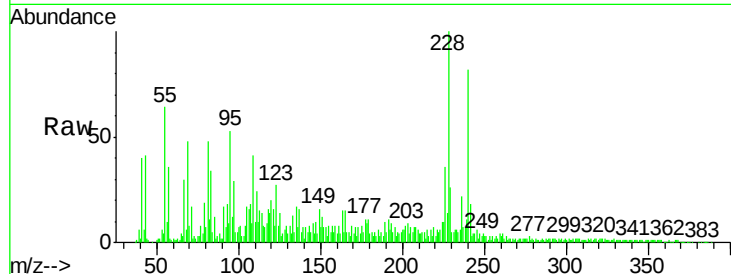
#80
Benzo(a)anthracene
Concen: 6.989 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.02 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

Instrument :
BNA_F
ClientSampleId :
WC-10(0-5)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.6	22.6	33.8#
229	25.5	15.8	23.6#

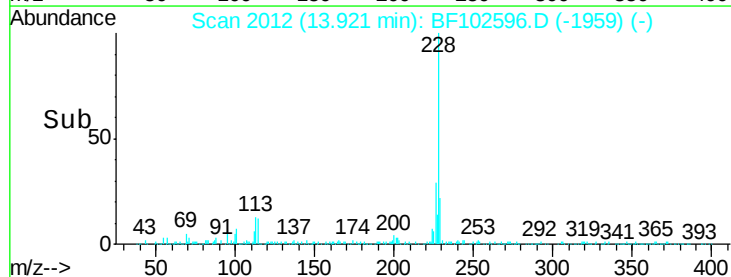
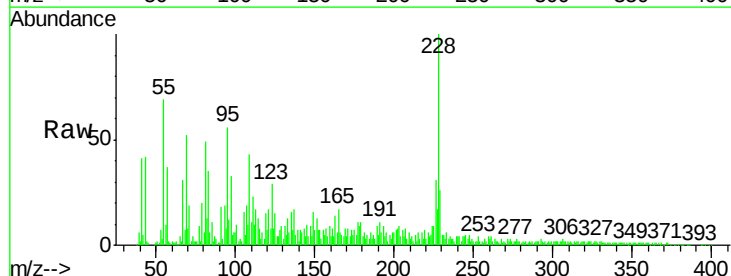
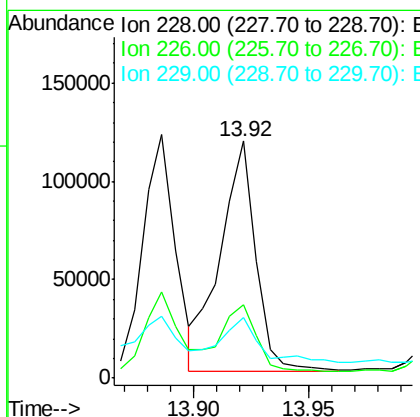
Manual Integrations
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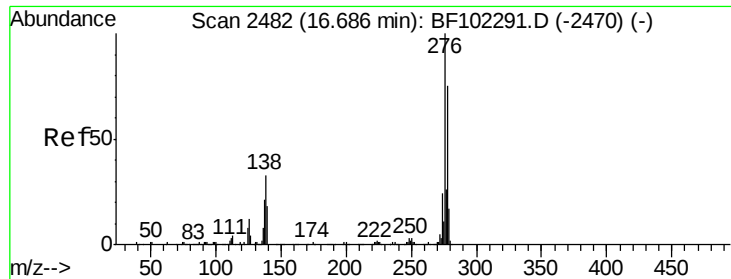
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#82
Chrysene
Concen: 7.265 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.01 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	25.5	16.2	24.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.699 ng

RT: 16.76 min Scan# 2495

Delta R.T. 0.05 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

Instrument :

BNA_F

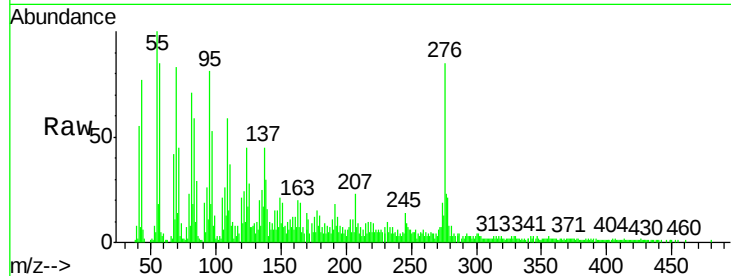
ClientSampleId :

WC-10(0-5)

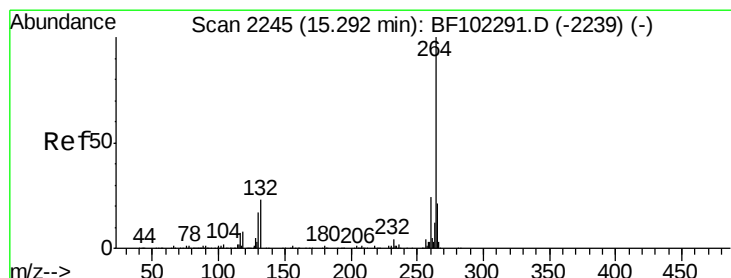
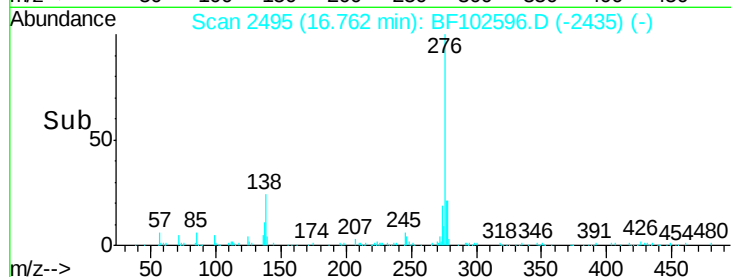
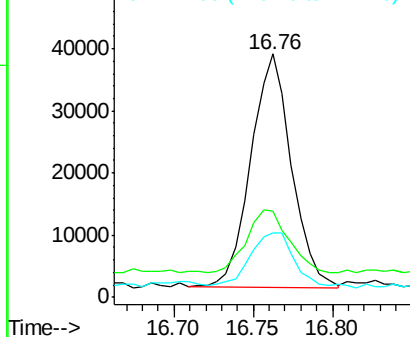
Tgt Ion:	276	Resp:	67093
Ion Ratio	Lower	Upper	
276	100		
138	28.2	25.0	37.6
277	26.9	20.1	30.1

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

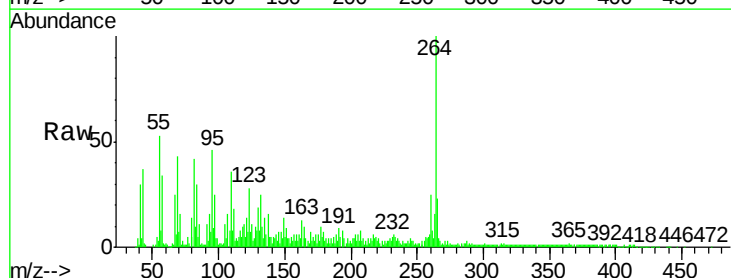
RT: 15.34 min Scan# 2254

Delta R.T. 0.04 min

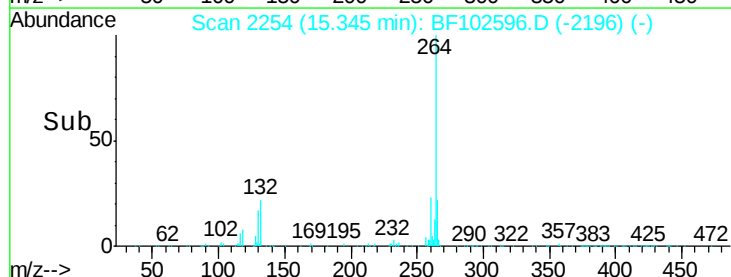
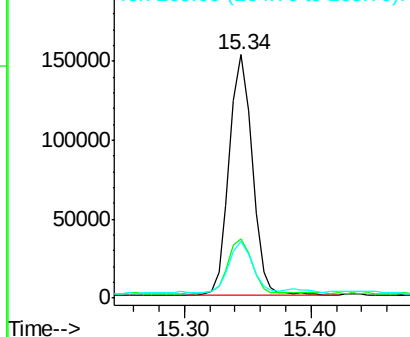
Lab File: BF102596.D

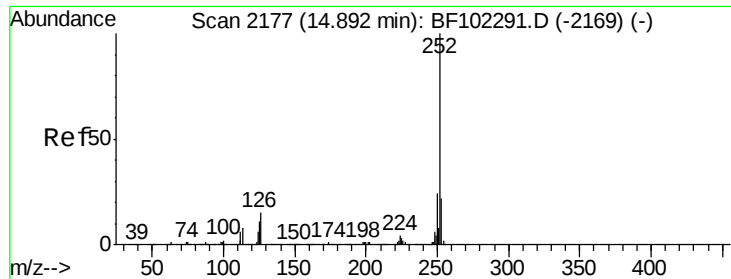
Acq: 29 Jan 2018 14:36

Tgt Ion:	264	Resp:	194068
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	23.5	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 10.441 ng m

RT: 14.93 min Scan# 2183

Delta R.T. 0.03 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

Instrument :

BNA_F

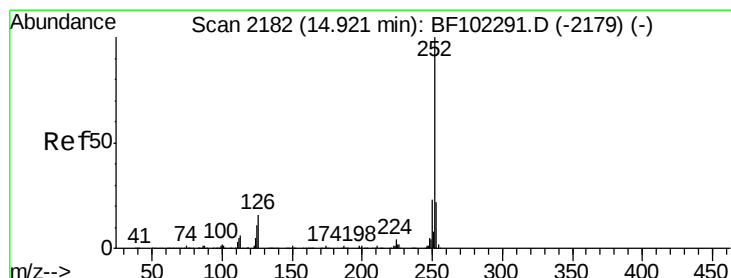
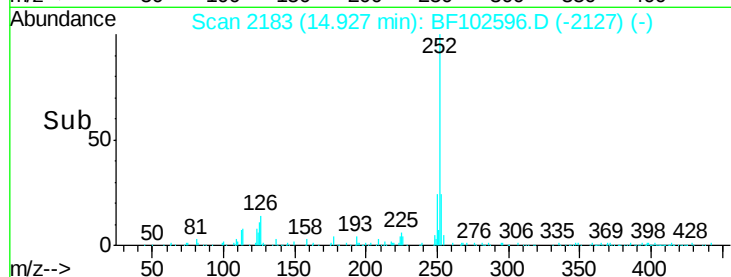
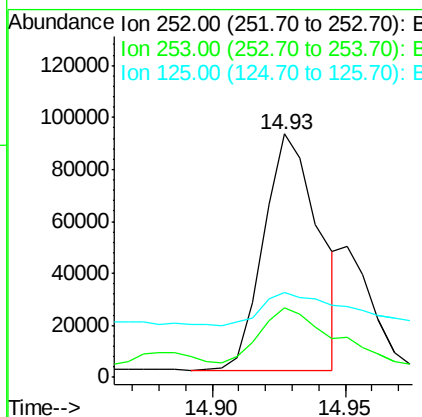
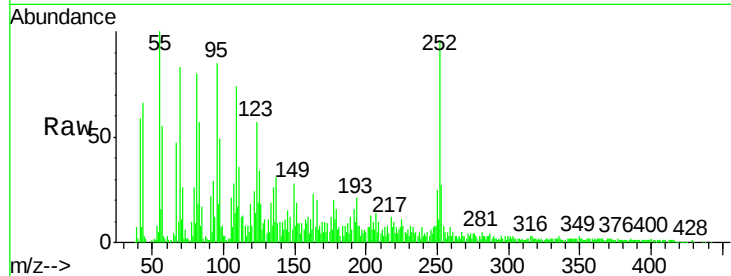
ClientSampleId :

WC-10(0-5)

Tgt Ion:	252	Resp:	131336
Ion Ratio	Lower	Upper	
252	100		
253	28.4	17.0	25.6#
125	35.0	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 3.534 ng m

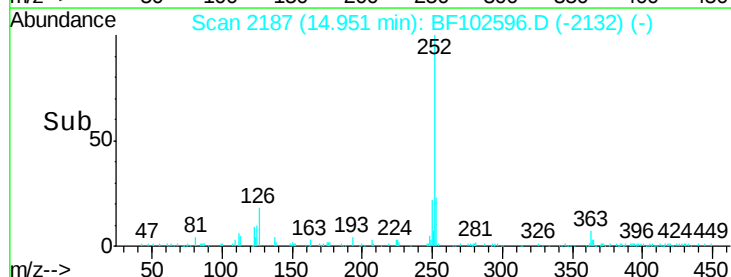
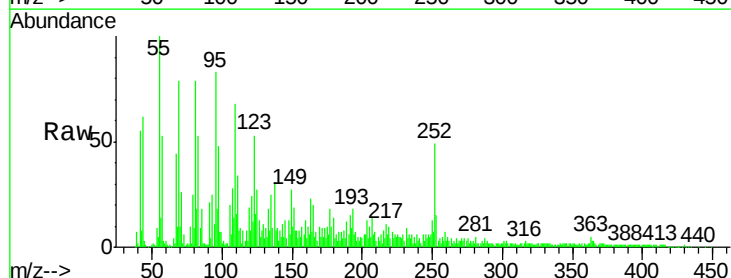
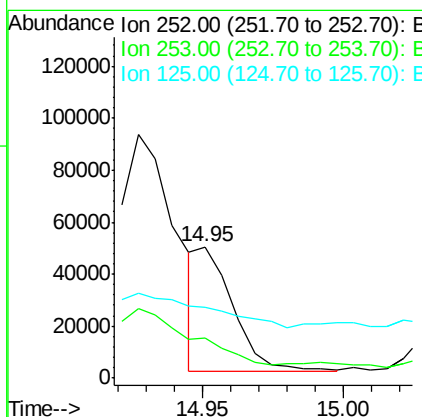
RT: 14.95 min Scan# 2187

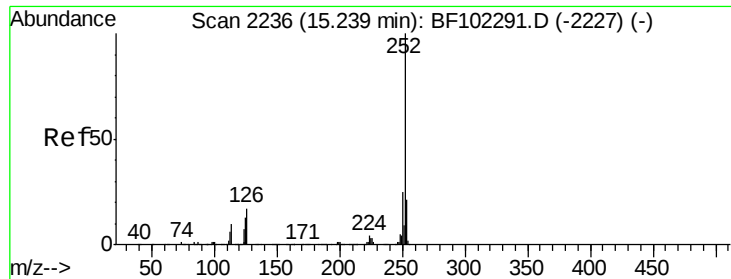
Delta R.T. 0.02 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

Tgt Ion:	252	Resp:	42003
Ion Ratio	Lower	Upper	
252	100		
253	31.0	17.9	26.9#
125	53.6	10.2	15.2#





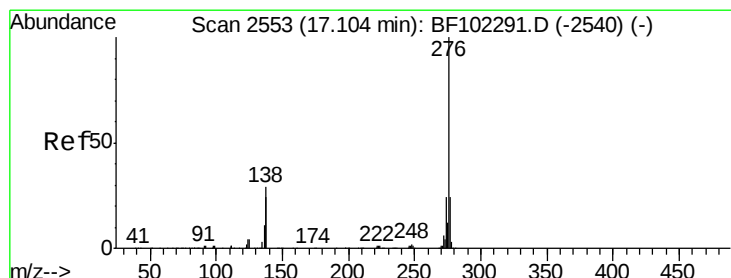
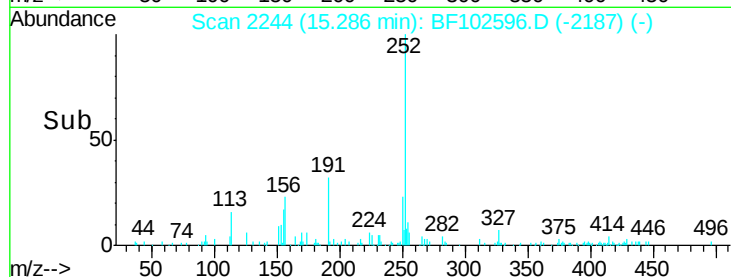
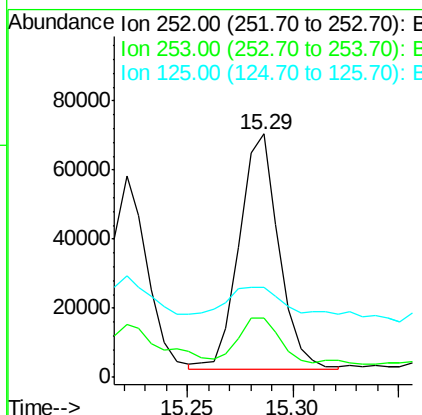
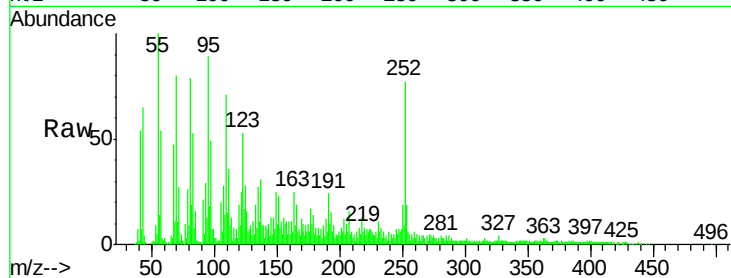
#89
Benzo(a)pyrene
Concen: 7.811 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.04 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

Instrument :
BNA_F
ClientSampleId :
WC-10(0-5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	37.1	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 8.342 ng
RT: 17.19 min Scan# 2567
Delta R.T. 0.05 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.5	17.9	26.9
138	35.8	21.8	32.8

