

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102569.D
 Acq On : 28 Jan 2018 20:37
 Operator : SJ/JU
 Sample : J1253-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-02(0-5)

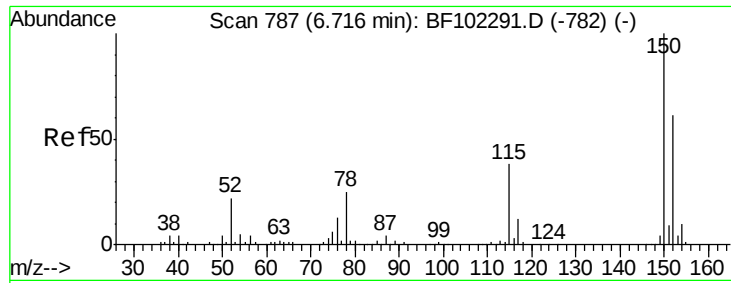
Manual Integrations
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Quant Time: Jan 29 04:42:47 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	166765	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	662709	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	267477	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	361332	20.00	ng	0.00
75) Chrysene-d12	13.88	240	257120	20.00	ng	0.00
86) Perylene-d12	15.32	264	232625	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1139334	103.59	ng	0.01
7) Phenol-d6	6.37	99	1384876	104.44	ng	0.00
23) Nitrobenzene-d5	7.29	82	854712	74.12	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	205843	77.67	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1247377	68.57	ng	0.00
78) Terphenyl-d14	12.82	244	724221	63.50	ng	0.00
Target Compounds						
10) Phenol	6.37	94	58201	4.021	ng	Qvalue # 76
48) Acenaphthylene	9.61	152	109941	3.796	ng	98
49) Dimethylphthalate	9.47	163	194108	8.780	ng	99
57) Fluorene	10.29	166	68822	3.794	ng	98
70) Phenanthrene	11.26	178	770325	36.585	ng	99
71) Anthracene	11.31	178	202316	9.414	ng	99
72) Carbazole	11.47	167	57954	2.764	ng	97
74) Fluoranthene	12.46	202	1103717	51.404	ng	97
77) Pyrene	12.68	202	938548	47.212	ng	100
80) Benzo(a)anthracene	13.87	228	550545	34.778	ng	97
82) Chrysene	13.91	228	504511	31.384	ng	97
83) Bis(2-ethylhexyl)phthalate	13.85	149	65965	4.962	ng	99
85) Indeno(1,2,3-cd)pyrene	16.72	276	184350	13.886	ng	97
87) Benzo(b)fluoranthene	14.91	252	587948m	38.995	ng	
88) Benzo(k)fluoranthene	14.93	252	207006m	14.532	ng	
89) Benzo(a)pyrene	15.26	252	378554	27.838	ng	# 95
90) Dibenzo(a,h)anthracene	16.72	278	51721	4.695	ng	# 87
91) Benzo(g,h,i)perylene	17.14	276	164450	15.120	ng	93

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



#1

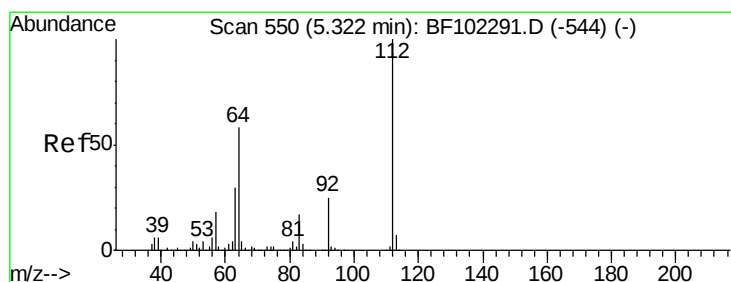
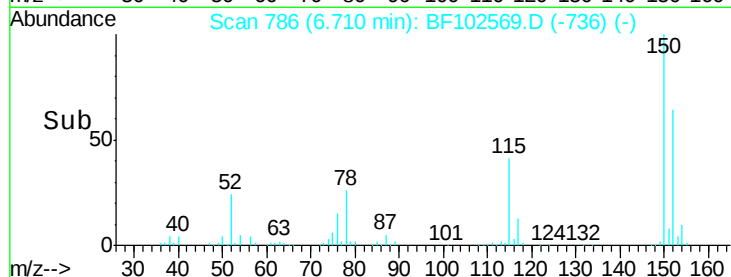
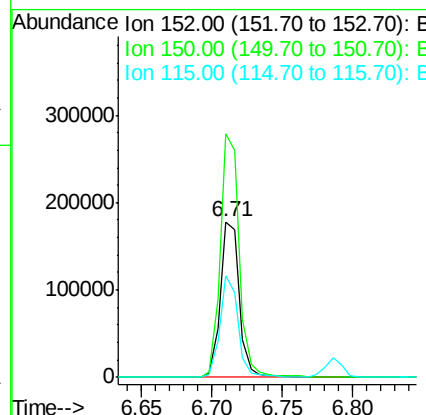
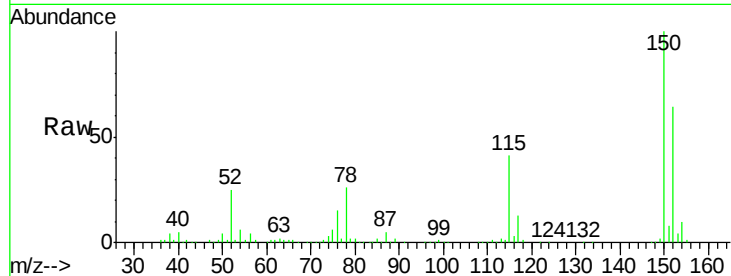
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Instrument :
BNA_F
ClientSampleId :
WC-02(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	65.0	50.1	75.1

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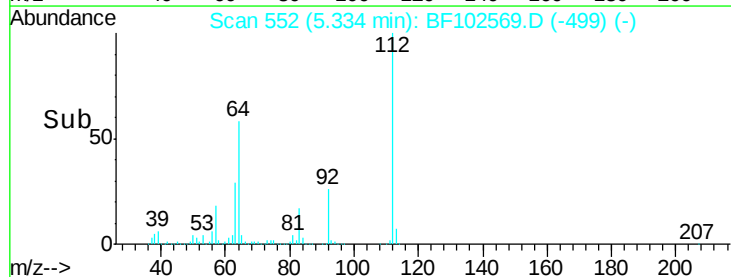
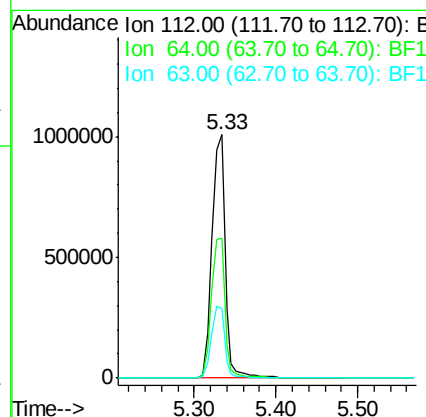
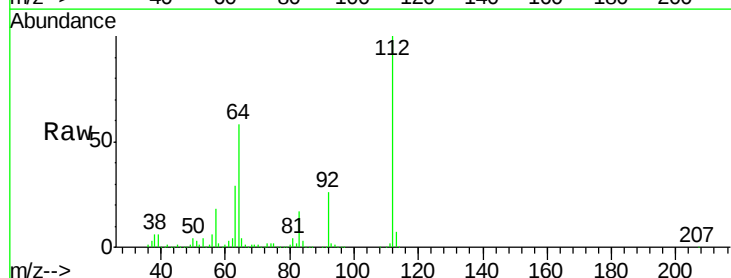
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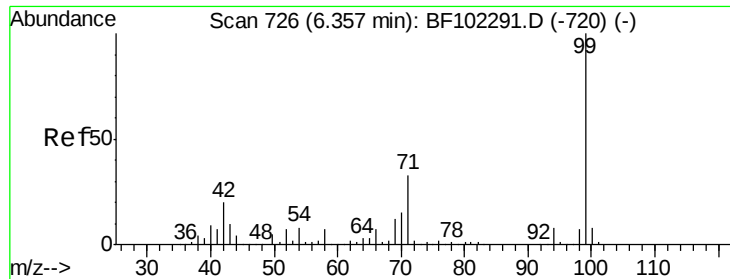


#5

2-Fluorophenol
Concen: 103.590 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.9	71.9
63	28.6	23.7	35.5





#7

Phenol-d6

Concen: 104.443 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102569.D

Acq: 28 Jan 2018 20:37

Instrument :

BNA_F

ClientSampleId :

WC-02(0-5)

Tot Ion: 99 Resp: 1384876

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

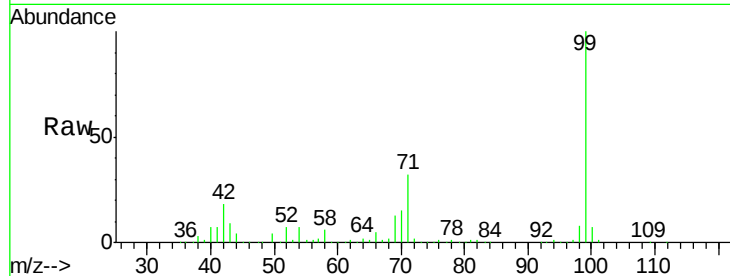
71 32.1 25.4 38.0

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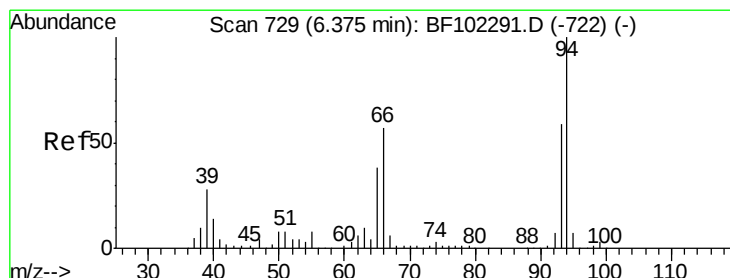
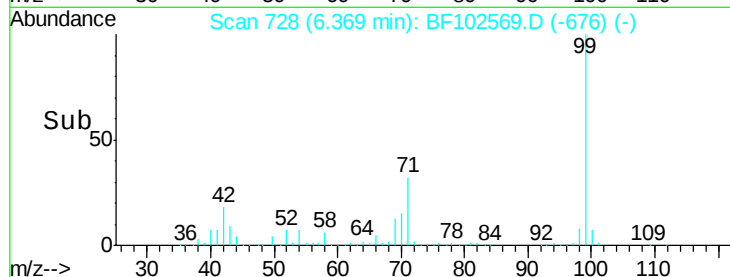
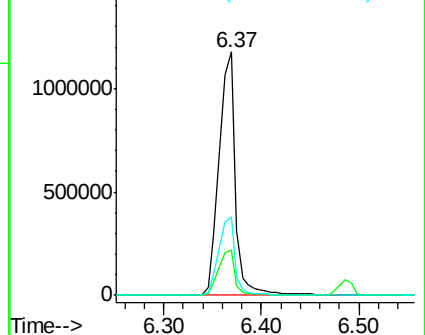
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.021 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102569.D

Acq: 28 Jan 2018 20:37

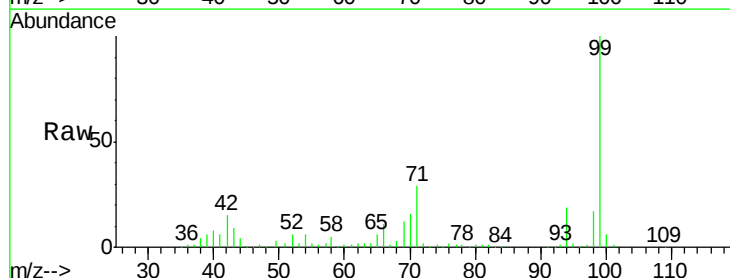
Tgt Ion: 94 Resp: 58201

Ion Ratio Lower Upper

94 100

65 32.1 7.9 47.9

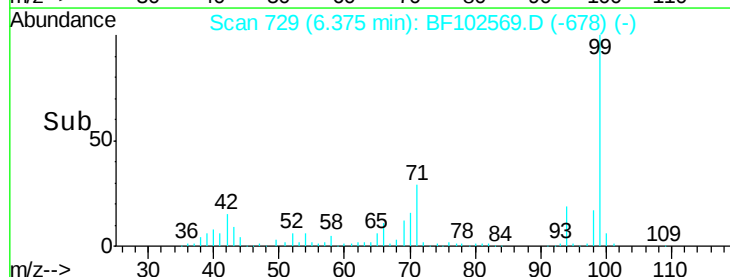
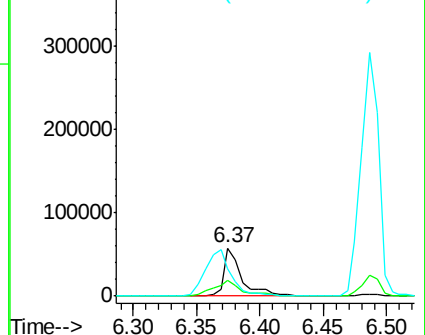
66 57.4 16.2 56.2#

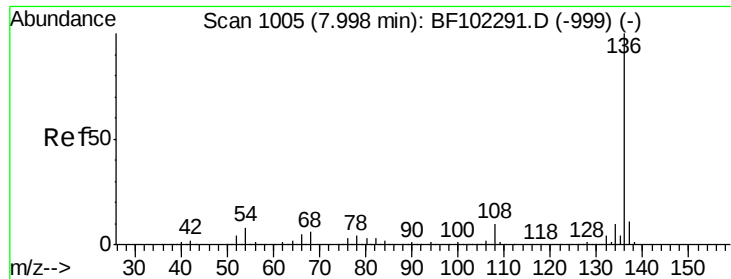


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102569.D

Acq: 28 Jan 2018 20:37

Instrument :

BNA_F

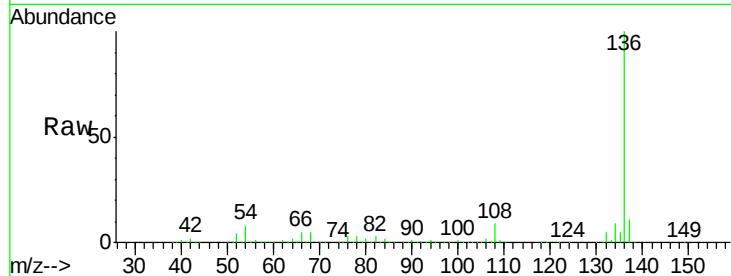
ClientSampleId :

WC-02(0-5)

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.7	6.6	9.8
68	5.2	5.0	7.4

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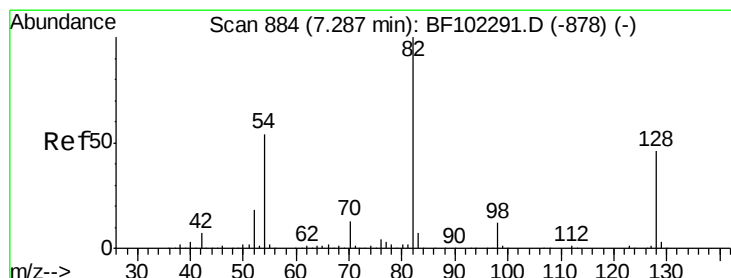
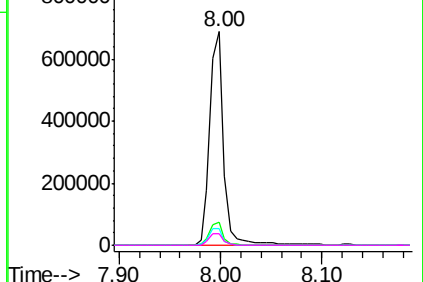
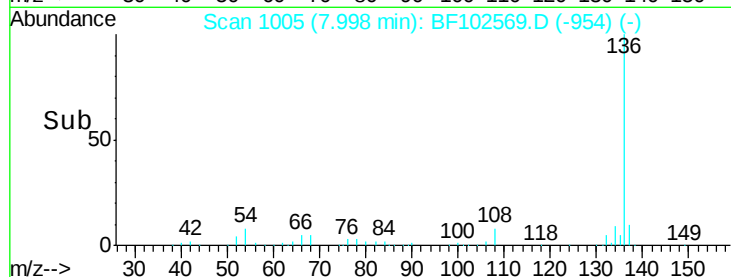


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.116 ng

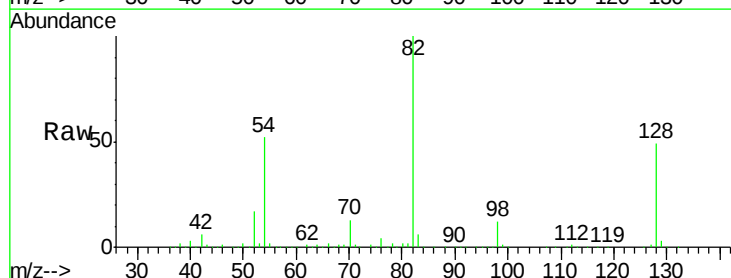
RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF102569.D

Acq: 28 Jan 2018 20:37

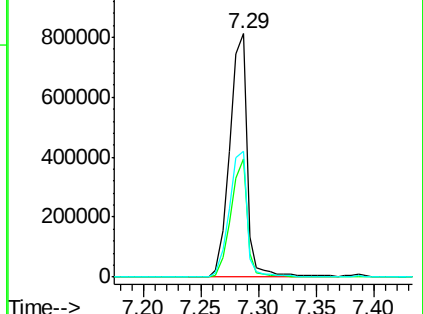
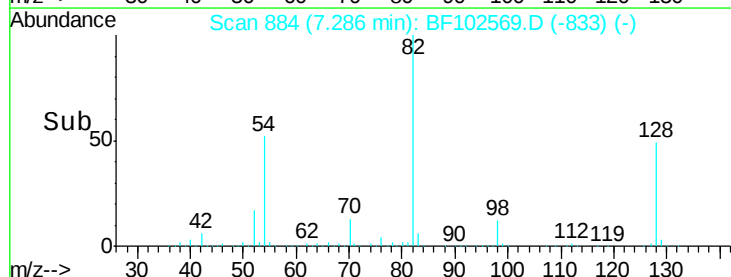
Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.7	36.1	54.1
54	51.7	41.4	62.2

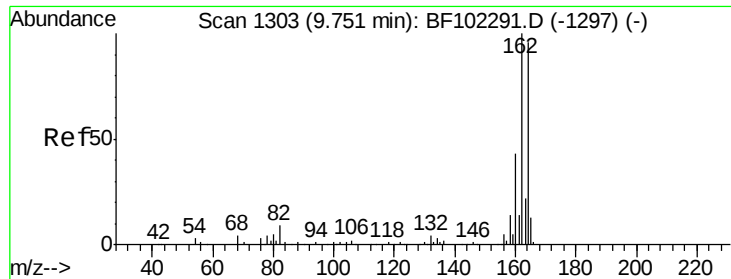


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





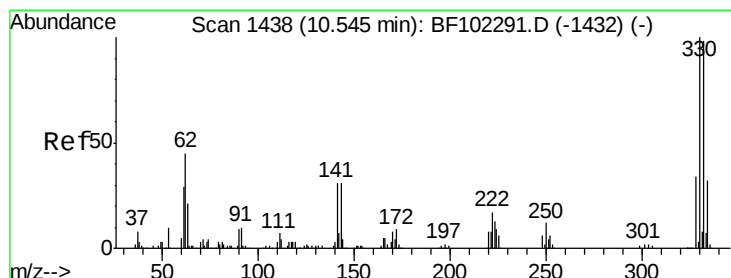
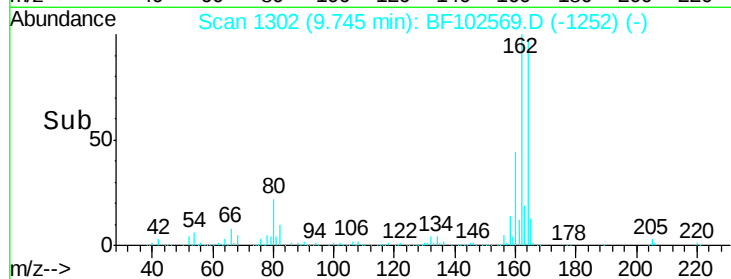
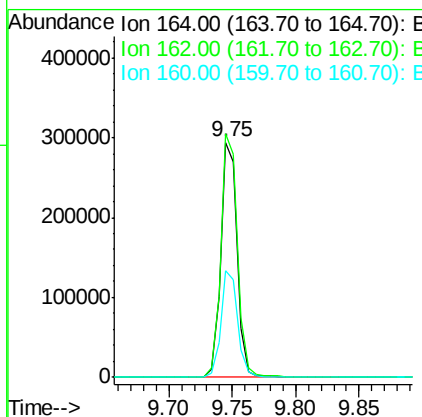
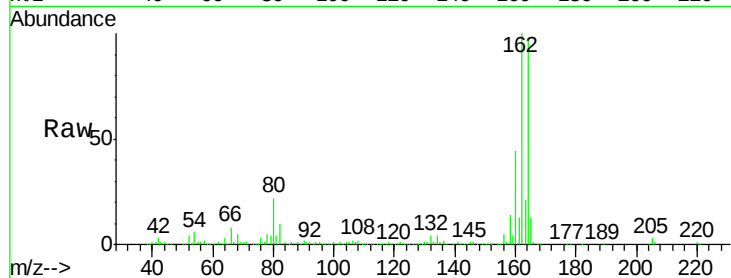
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102569.D
 Acq: 28 Jan 2018 20:37

Instrument :
 BNA_F
 ClientSampleId :
 WC-02(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	267477		
162	103.5	86.1	129.1	
160	45.1	38.3	57.5	

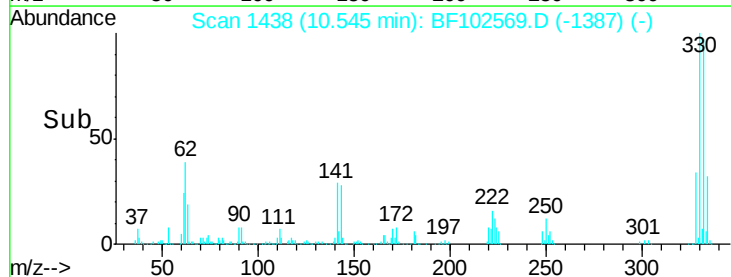
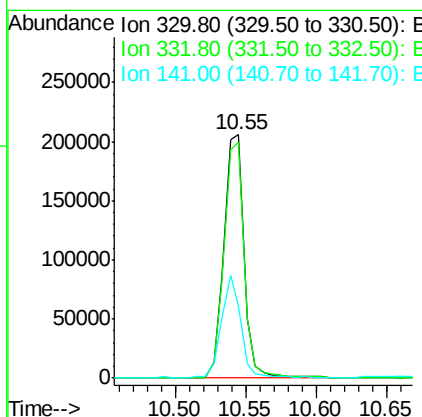
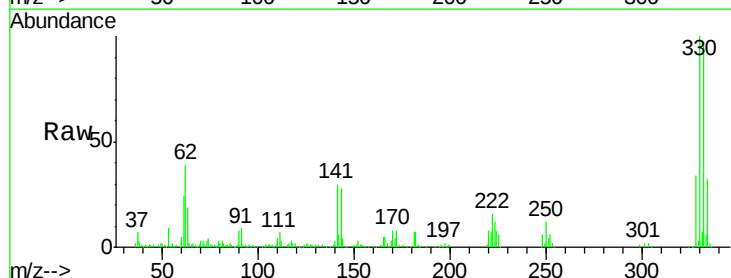
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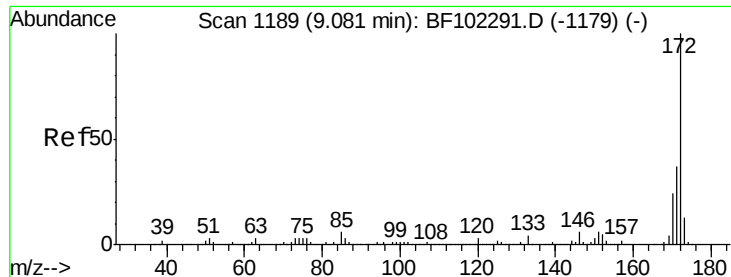
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#41
 2,4,6-Tribromophenol
 Concen: 77.667 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102569.D
 Acq: 28 Jan 2018 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	205843		
332	97.4	77.0	115.6	
141	39.8	29.9	44.9	





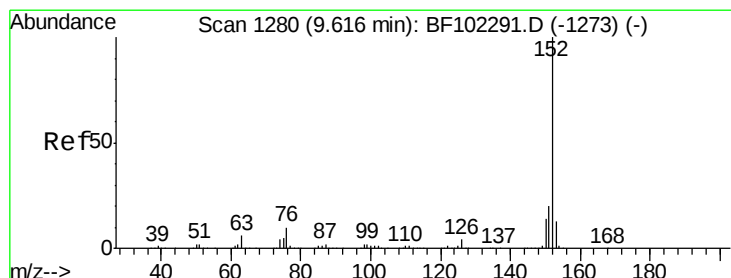
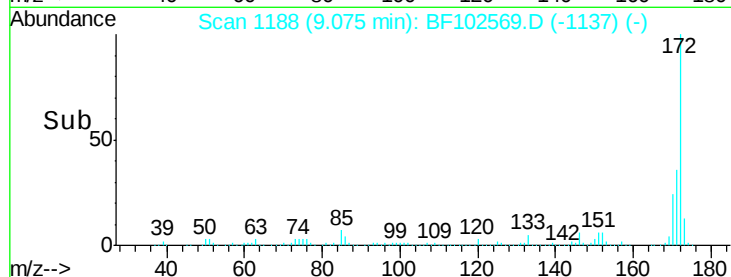
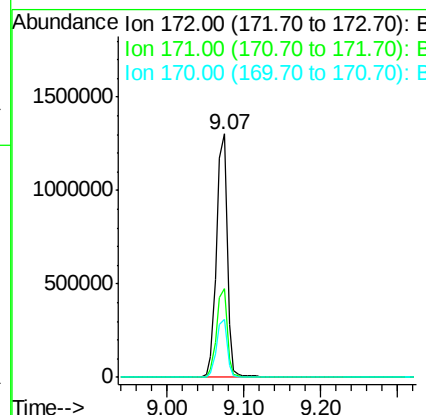
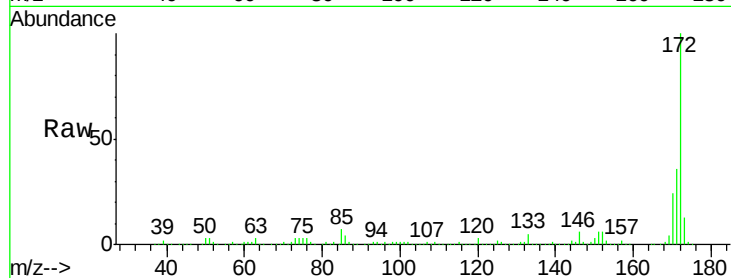
#44
2-Fluorobiphenyl
Concen: 68.570 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.00 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Instrument :
BNA_F
ClientSampleId :
WC-02(0-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.7	19.6	29.4

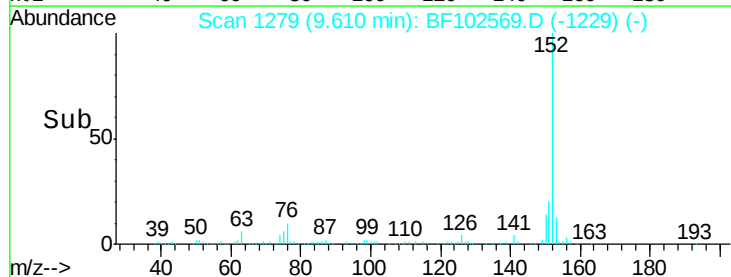
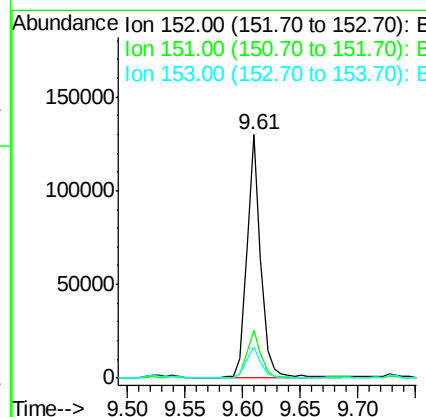
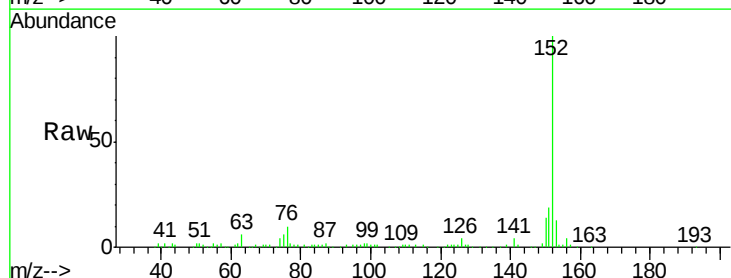
Manual Integrations
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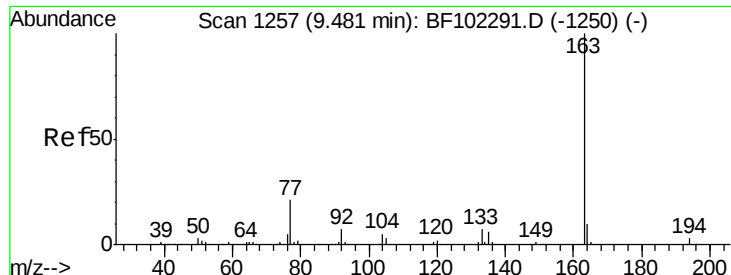
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#48
Acenaphthylene
Concen: 3.796 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.3	24.5
153	12.9	10.7	16.1





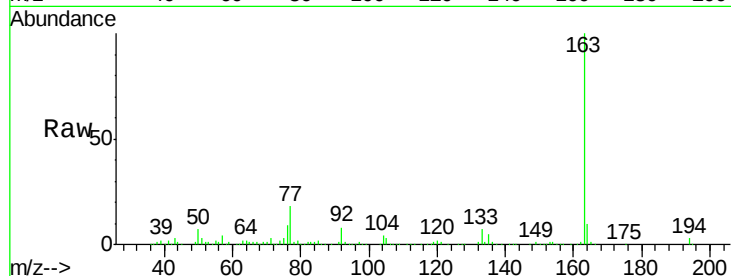
#49
Dimethylphthalate
Concen: 8.780 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Instrument :
BNA_F
ClientSampleId :
WC-02(0-5)

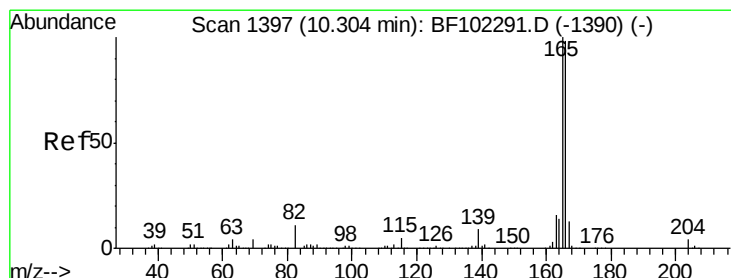
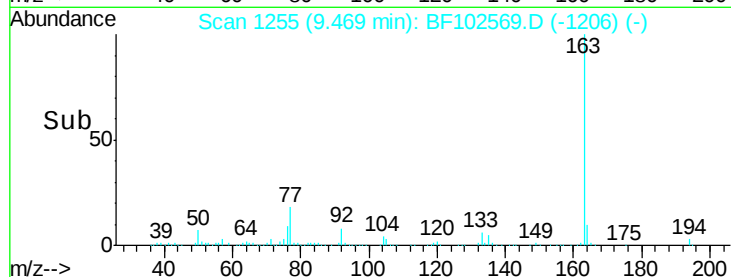
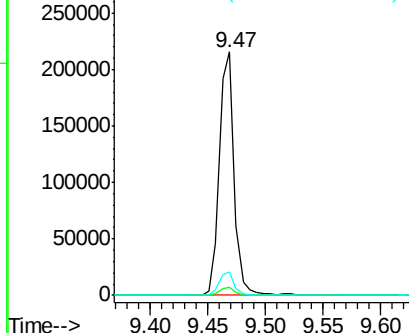
Tot Ion	Ratio	Resp	Lower	Upper
163	100	194108		
194	3.3	2.7	4.1	
164	9.7	8.2	12.2	

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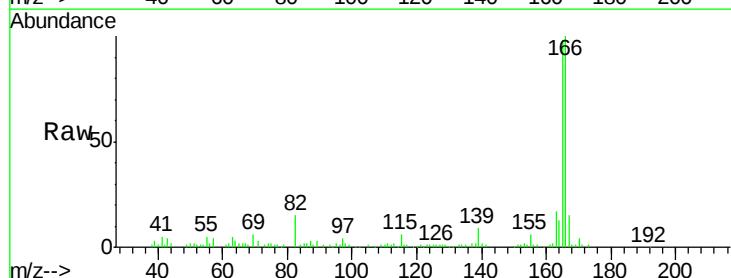


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

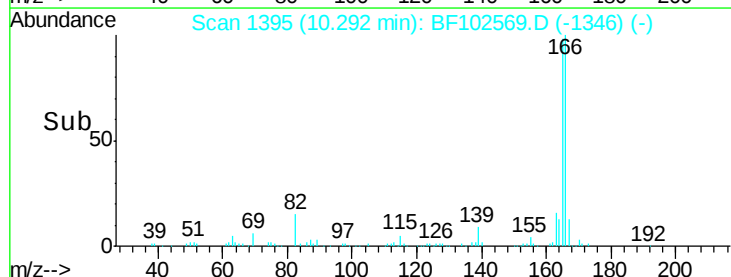
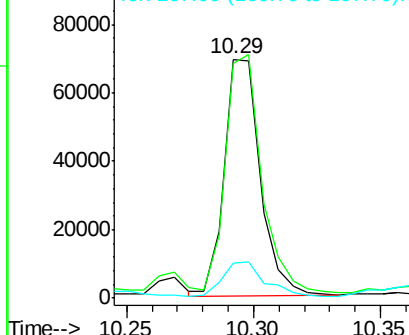


#57
Fluorene
Concen: 3.794 ng
RT: 10.29 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	68822		
165	98.3	79.8	119.8	
167	14.7	10.6	16.0	



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





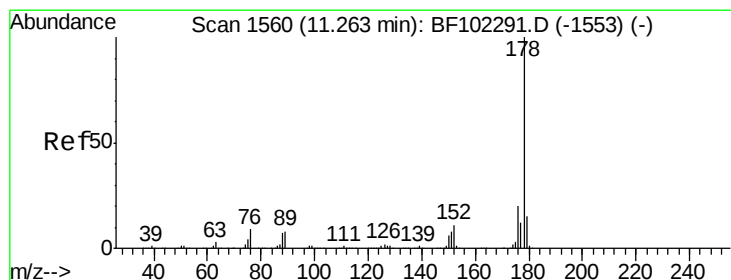
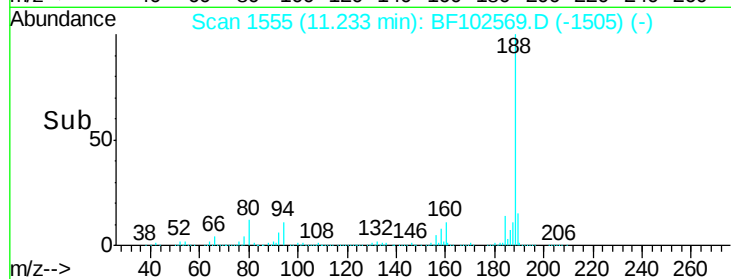
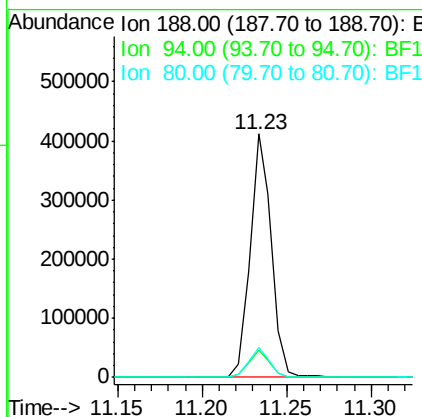
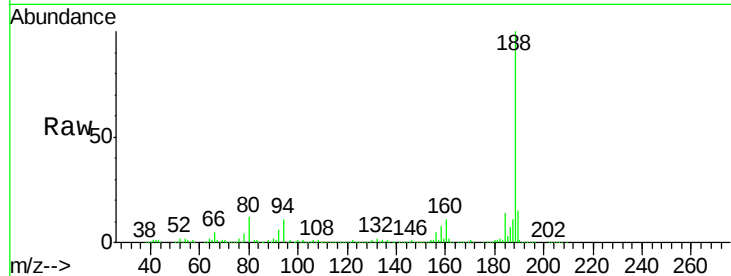
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Instrument :
BNA_F
ClientSampled :
WC-02(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	361332		
94	11.2		8.5	12.7
80	12.3		9.2	13.8

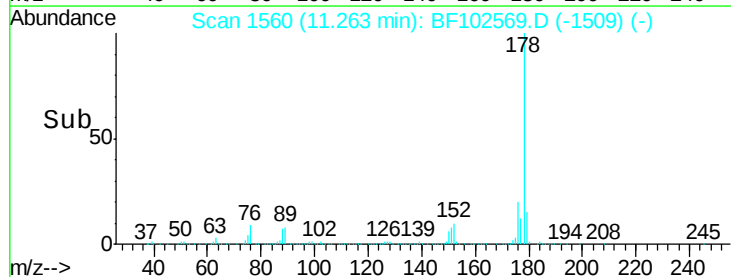
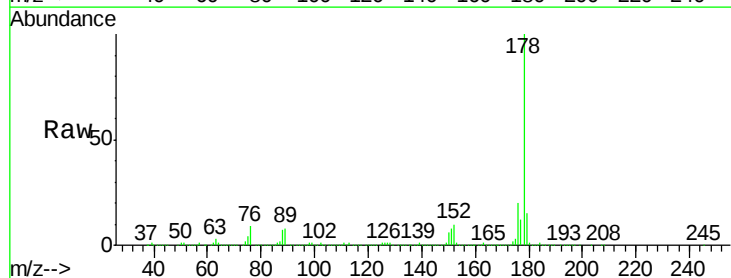
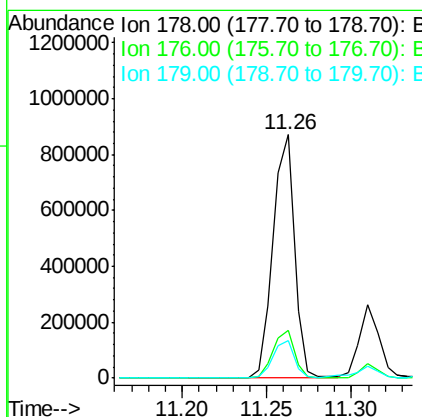
Manual Integrations
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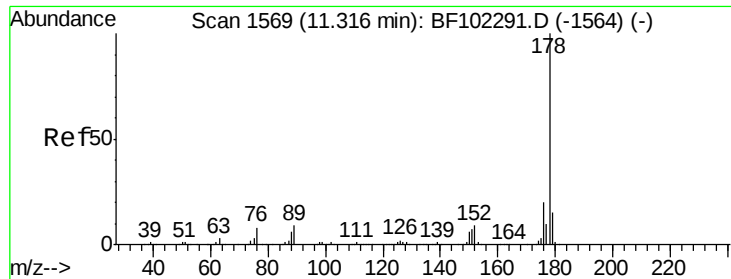
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#70
Phenanthrene
Concen: 36.585 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	770325		
176	19.7		15.8	23.8
179	15.4		13.0	19.6





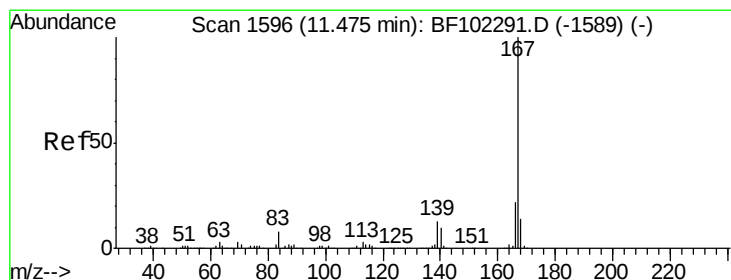
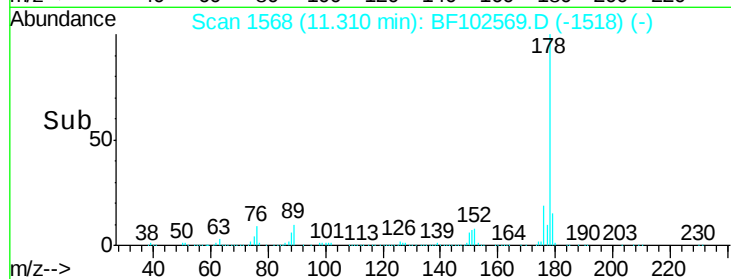
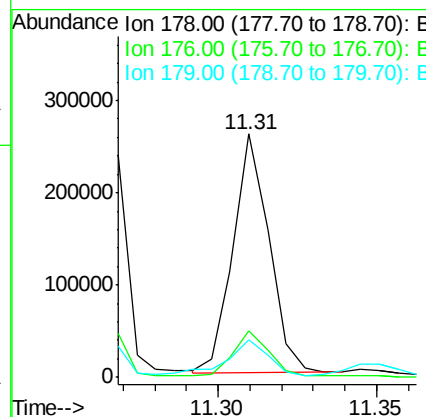
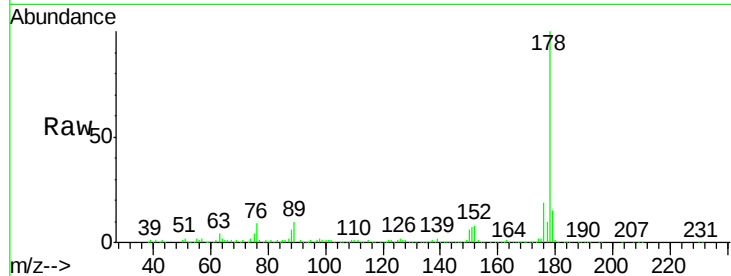
#71
 Anthracene
 Concen: 9.414 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102569.D
 Acq: 28 Jan 2018 20:37

Instrument :
 BNA_F
 ClientSampleId :
 WC-02(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.4	12.6	19.0

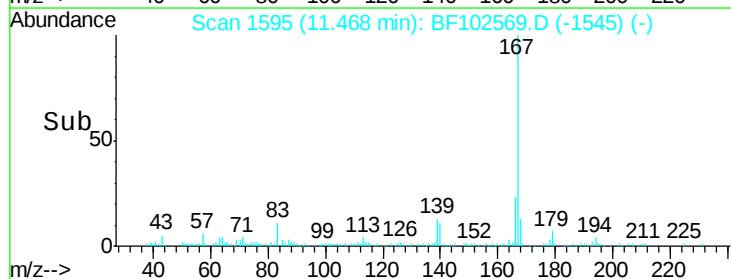
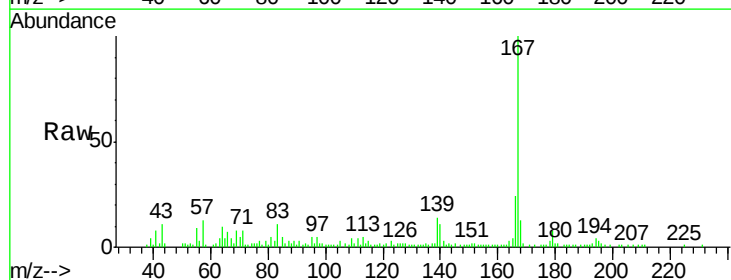
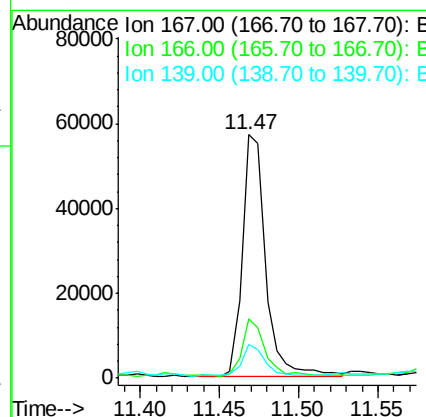
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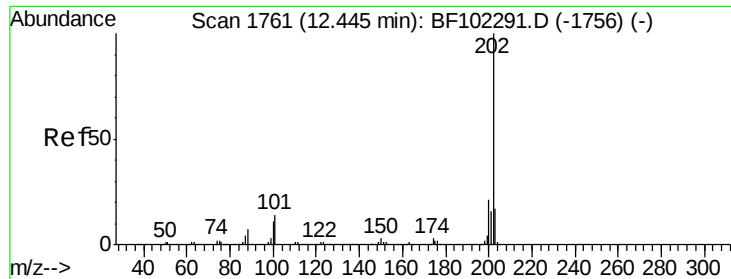
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#72
 Carbazole
 Concen: 2.764 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF102569.D
 Acq: 28 Jan 2018 20:37

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.2	17.6	26.4
139	13.8	10.9	16.3





#74

Fluoranthene

Concen: 51.404 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102569.D

Acq: 28 Jan 2018 20:37

Instrument :

BNA_F

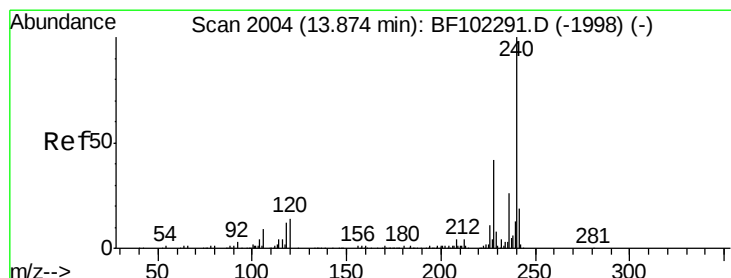
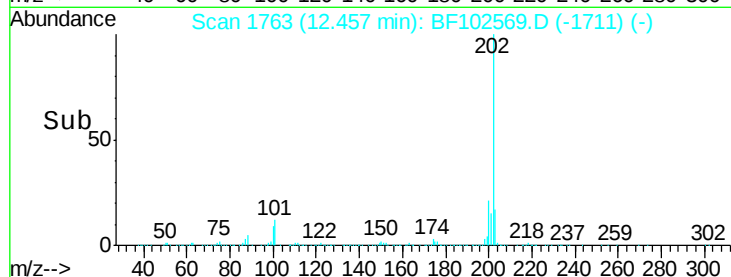
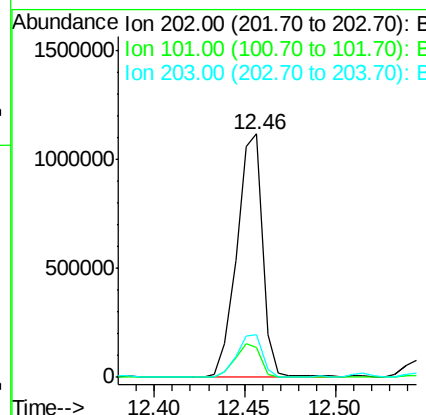
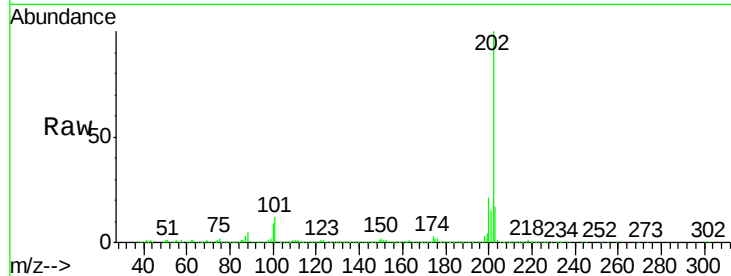
ClientSampleId :

WC-02(0-5)

Tot Ion:	202	Resp:	1103717
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.1
203	17.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

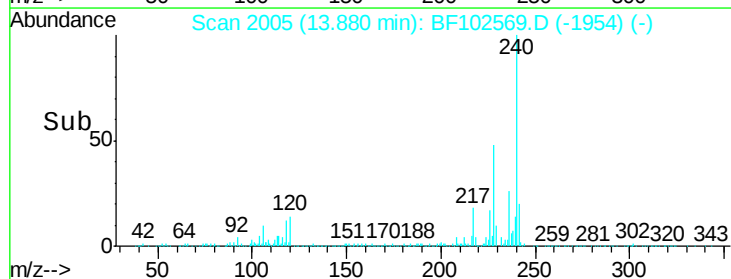
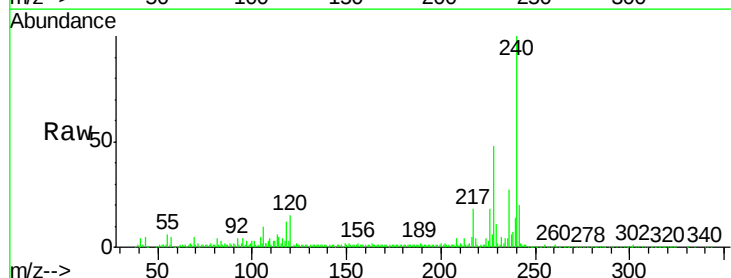
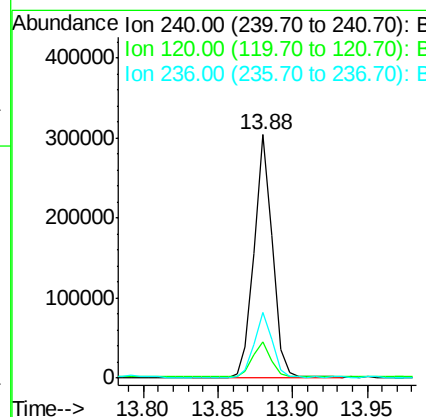
RT: 13.88 min Scan# 2005

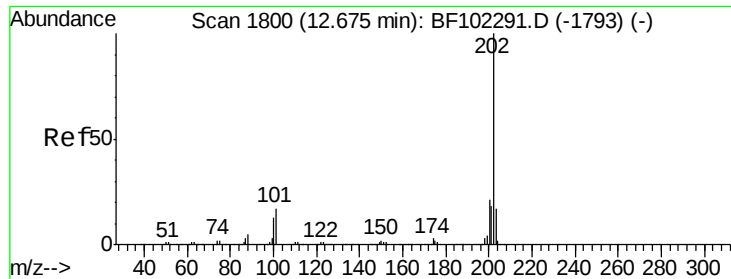
Delta R.T. -0.00 min

Lab File: BF102569.D

Acq: 28 Jan 2018 20:37

Tgt Ion:	240	Resp:	257120
Ion	Ratio	Lower	Upper
240	100		
120	14.9	9.5	14.3#
236	27.0	20.7	31.1





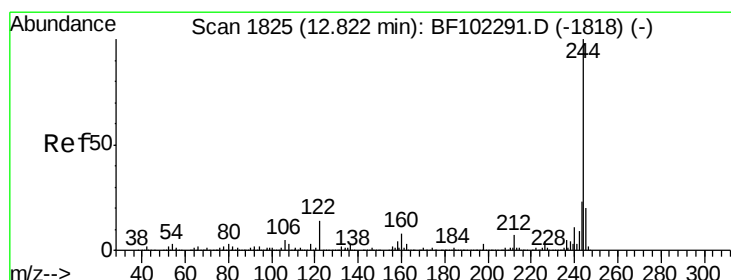
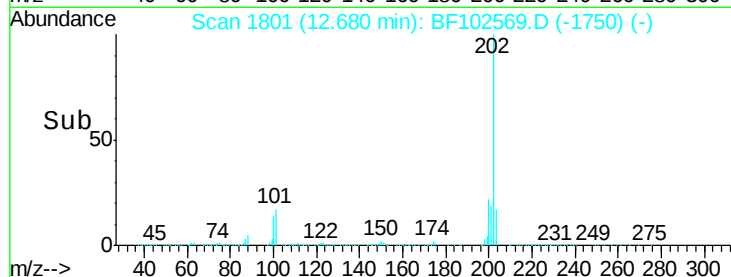
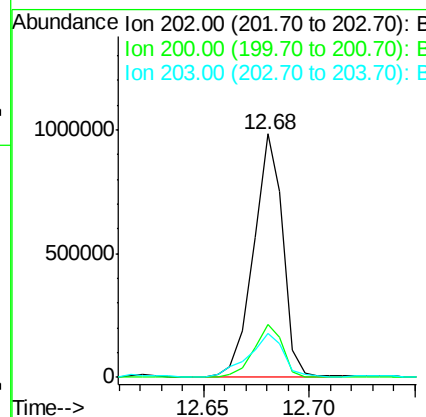
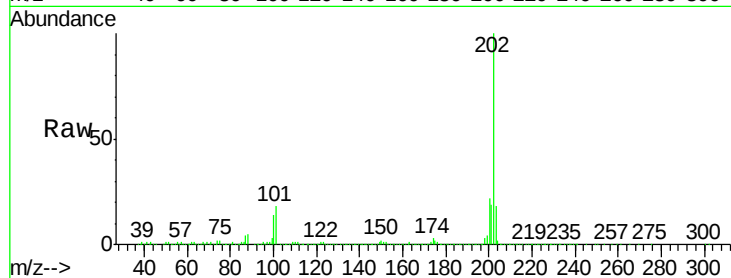
#77
Pvrene
Concen: 47.212 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Instrument :
BNA_F
ClientSampleId :
WC-02(0-5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.9	14.3	21.5

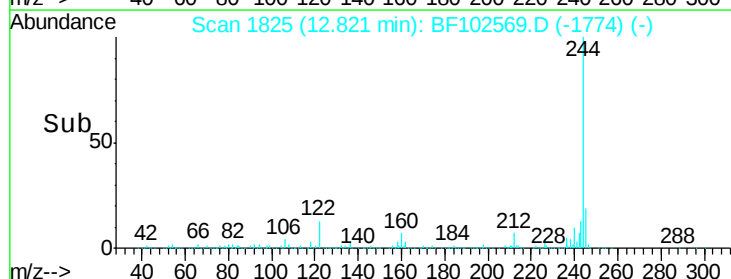
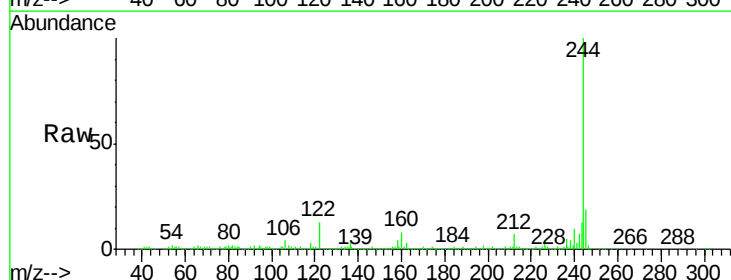
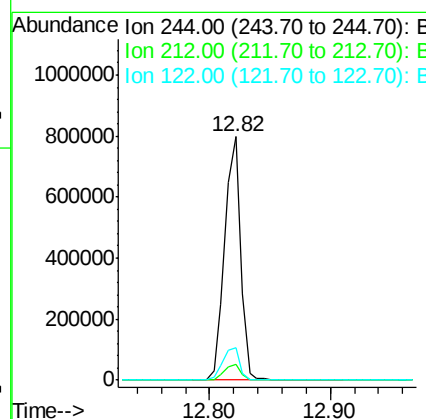
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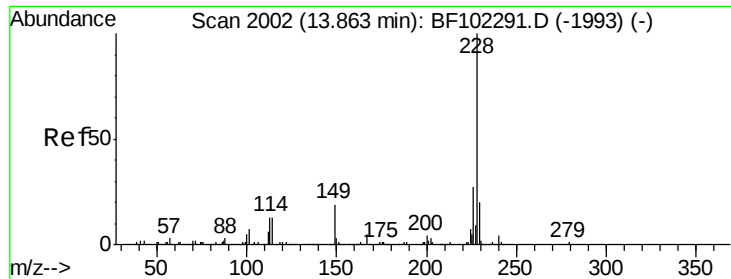
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#78
Terphenyl-d14
Concen: 63.498 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	13.3	11.0	16.4





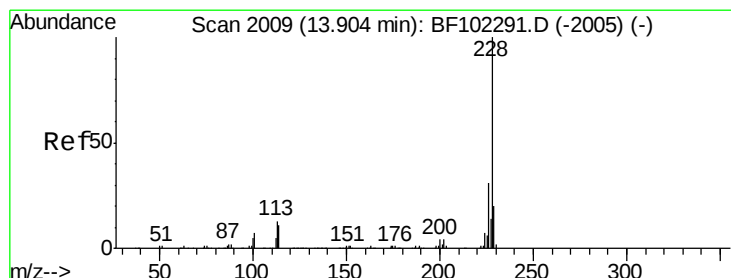
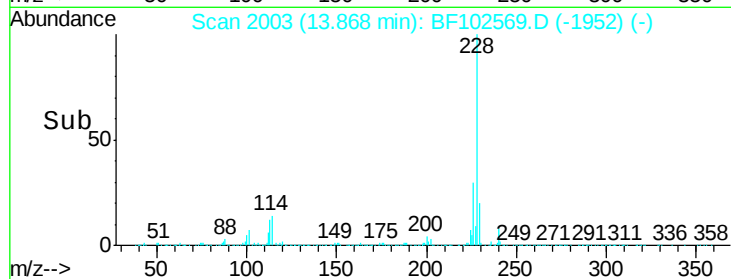
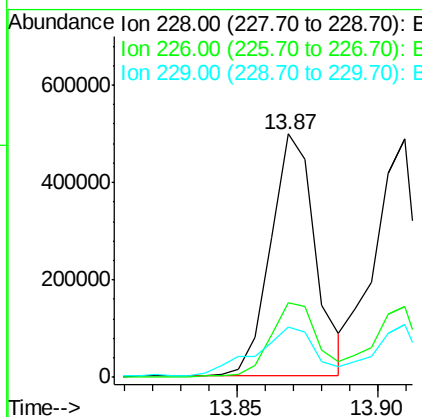
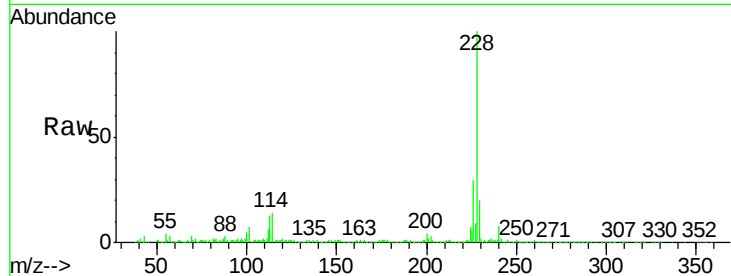
#80
Benzo(a)anthracene
Concen: 34.778 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Instrument :
BNA_F
ClientSampleId :
WC-02(0-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	20.4	15.8	23.6

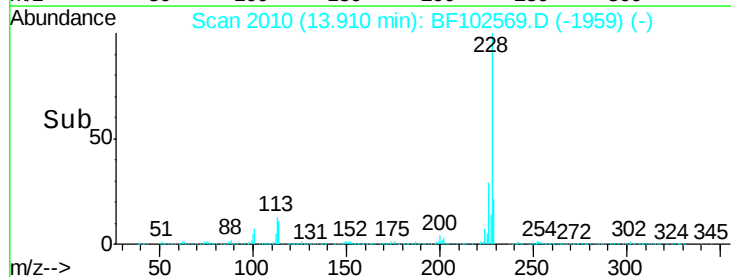
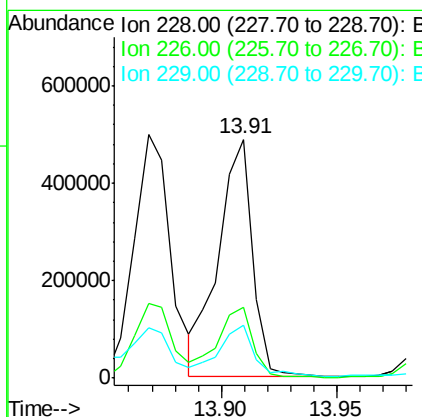
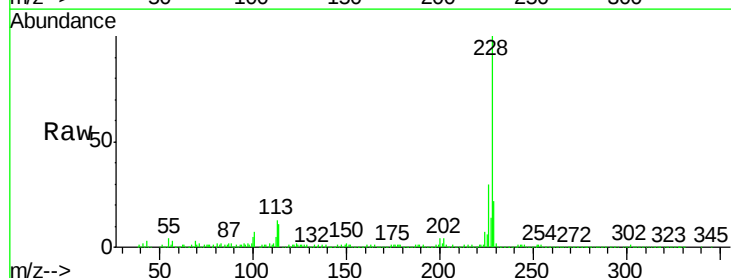
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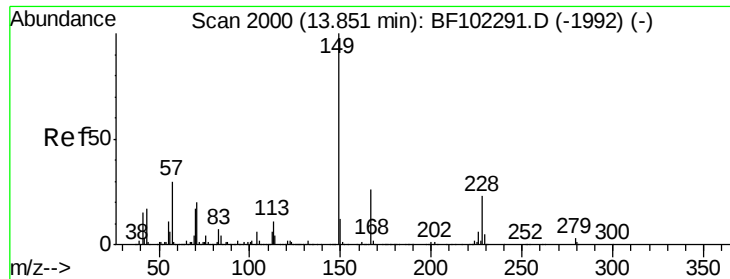
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#82
Chrysene
Concen: 31.384 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	22.0	16.2	24.4





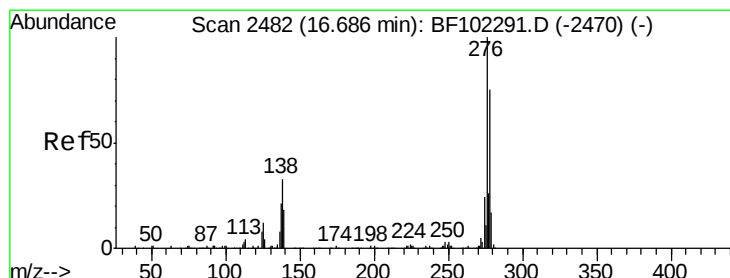
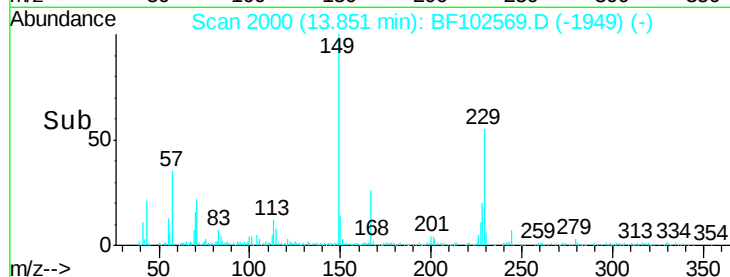
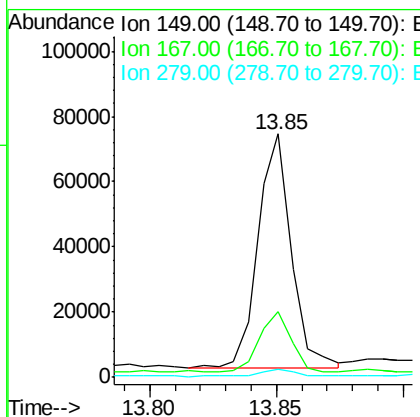
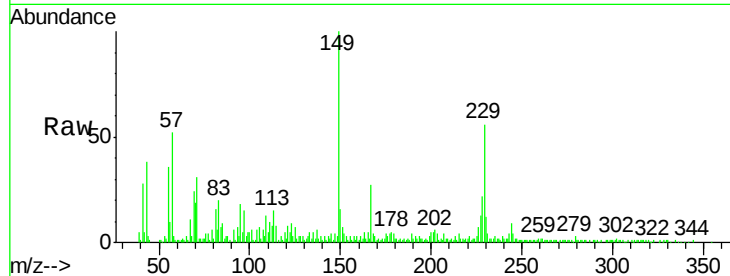
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.962 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.00 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Instrument :
BNA_F
ClientSampled :
WC-02(0-5)

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.3	31.9
279	3.5	3.0	4.4

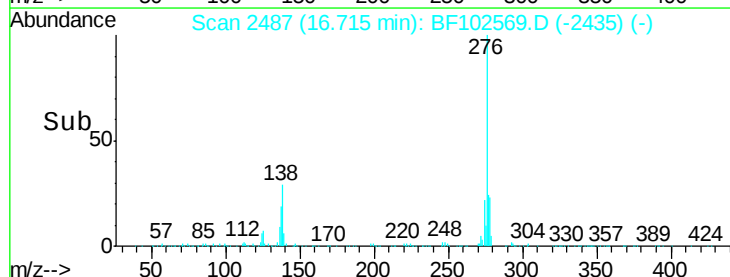
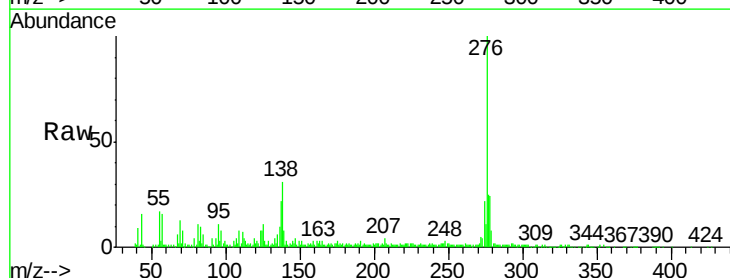
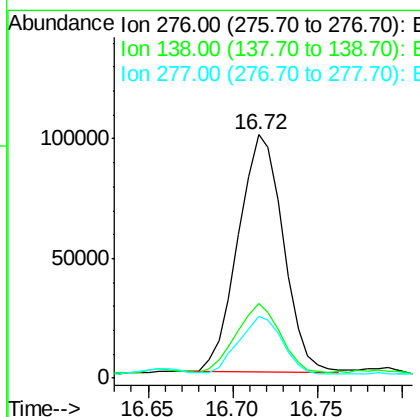
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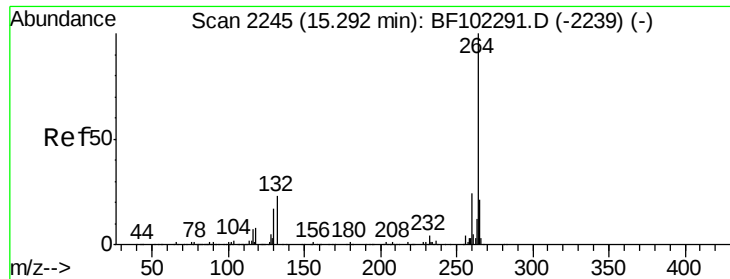
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#85
Indeno(1,2,3-cd)pyrene
Concen: 13.886 ng
RT: 16.72 min Scan# 2487
Delta R.T. 0.01 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.2	25.0	37.6
277	23.7	20.1	30.1





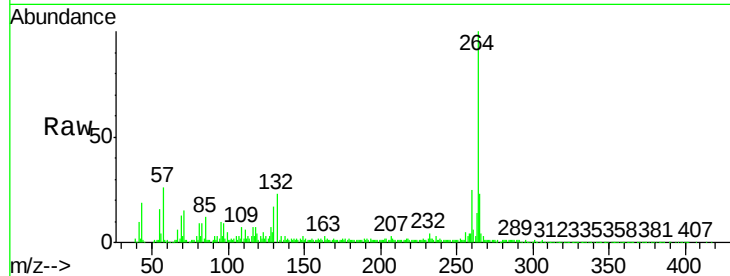
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Instrument :
BNA_F
ClientSampled :
WC-02(0-5)

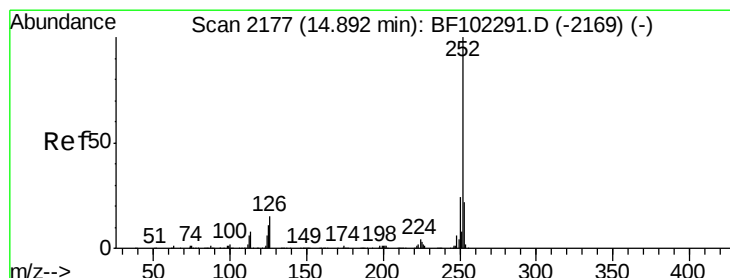
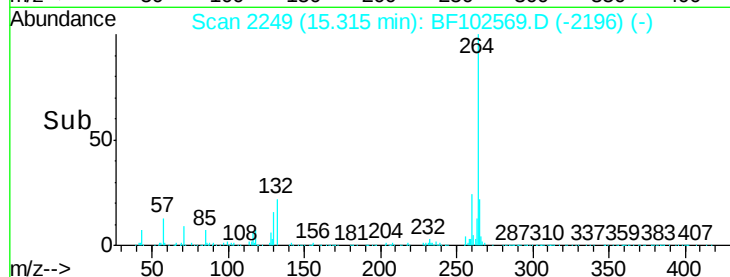
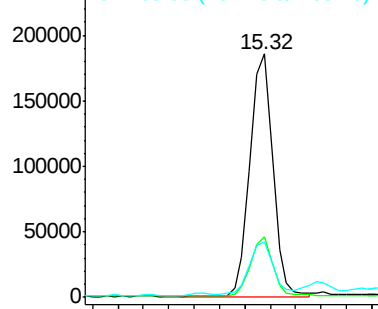
Tot Ion:	264	Resp:	232625
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.2	28.8
265	22.7	17.5	26.3

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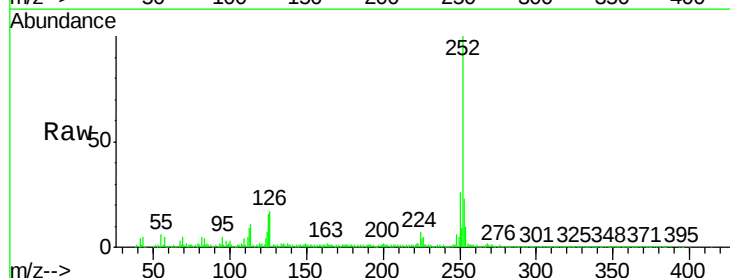


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

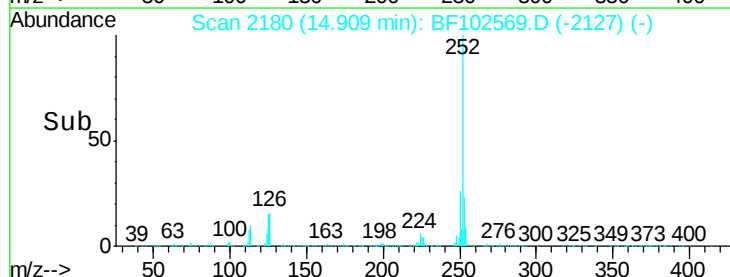
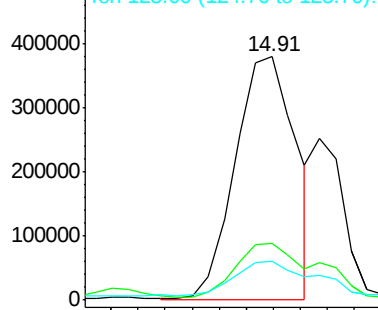


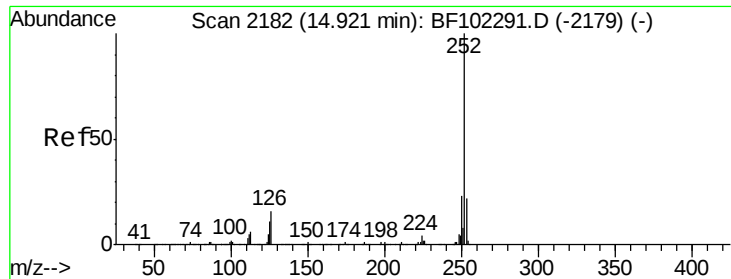
#87
Benzo(b)fluoranthene
Concen: 38.995 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Tgt Ion:	252	Resp:	587948
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	16.1	9.0	13.6#



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





#88

Benzo(k)fluoranthene

Concen: 14.532 ng m

RT: 14.93 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BF102569.D

Acq: 28 Jan 2018 20:37

Instrument :

BNA_F

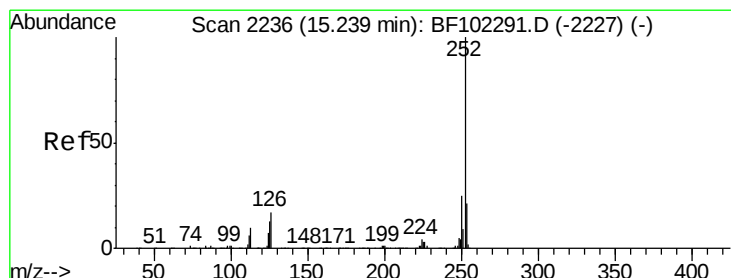
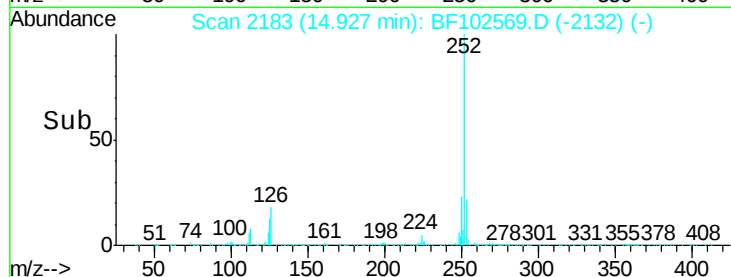
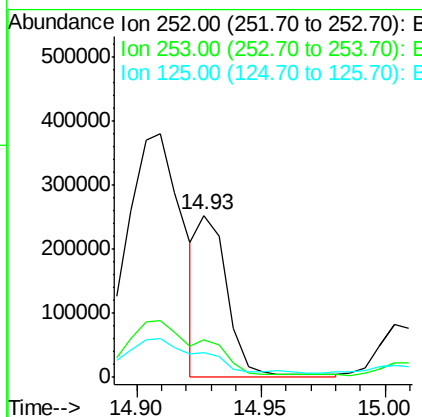
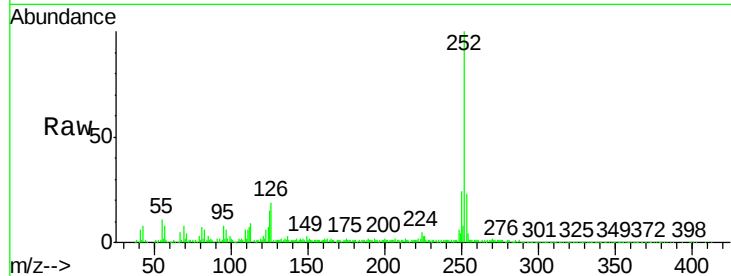
ClientSampleId :

WC-02(0-5)

Tot Ion:	252	Resp:	207006
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.9	26.9
125	15.2	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 27.838 ng

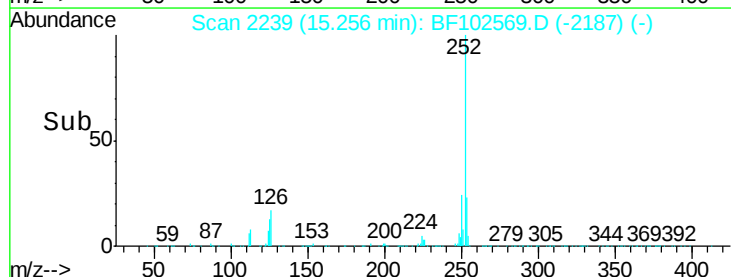
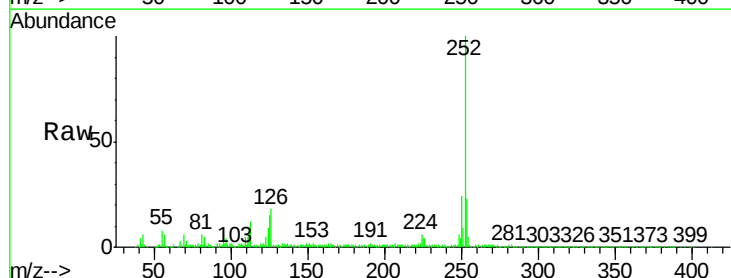
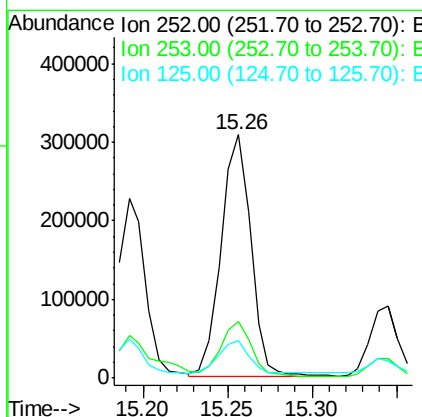
RT: 15.26 min Scan# 2239

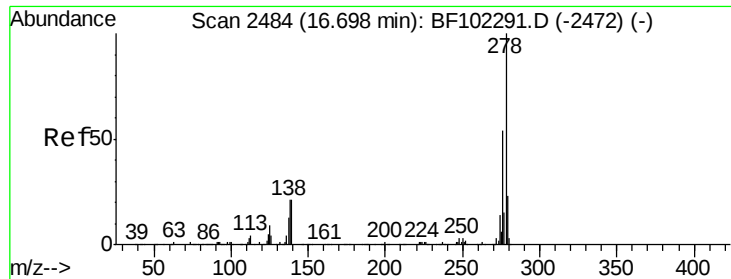
Delta R.T. 0.01 min

Lab File: BF102569.D

Acq: 28 Jan 2018 20:37

Tgt Ion:	252	Resp:	378554
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.1	25.7
125	15.2	9.8	14.6#





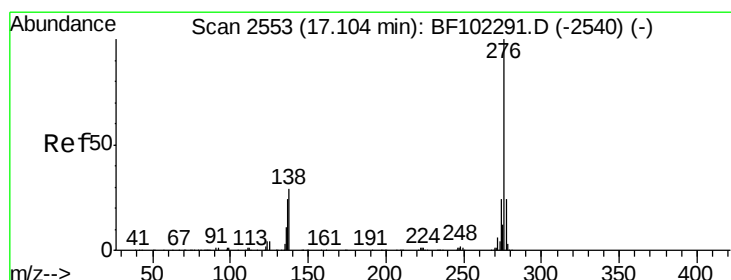
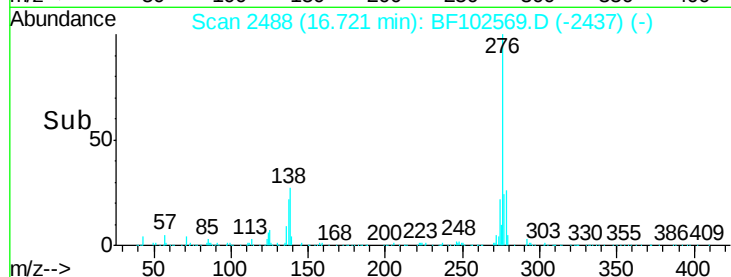
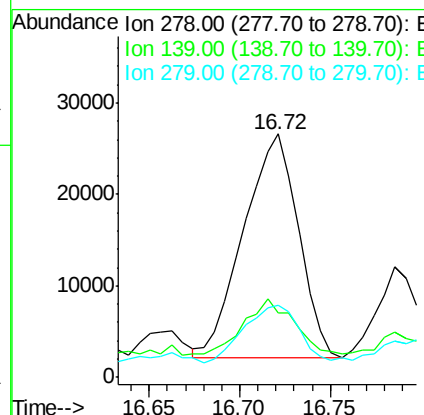
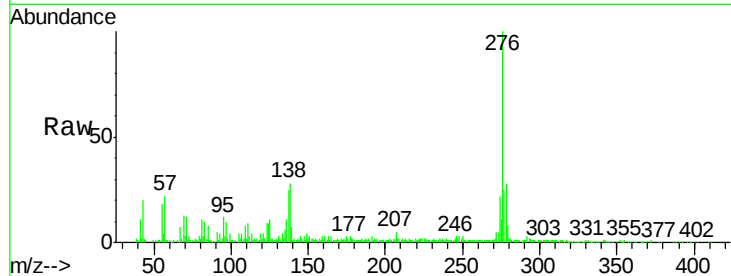
#90
Dibenzo(a,h)anthracene
Concen: 4.695 ng
RT: 16.72 min Scan# 2488
Delta R.T. -0.00 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Instrument :
BNA_F
ClientSampleId :
WC-02(0-5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.3	15.9	23.9#
279	29.7	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 15.120 ng
RT: 17.14 min Scan# 2560
Delta R.T. 0.01 min
Lab File: BF102569.D
Acq: 28 Jan 2018 20:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	30.9	21.8	32.8

