

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102467.D
 Acq On : 26 Jan 2018 14:39
 Operator : SJ/JU
 Sample : J1257-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-11(0-5)

Manual Integrations
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Sohil
 1/27/2018 1:46:42 PM

Quant Time: Jan 26 16:57:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 26 16:18:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	137552	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	538979	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	207668	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	259472	20.00	ng	0.00
75) Chrysene-d12	13.92	240	141161	20.00	ng	0.04
86) Perylene-d12	15.38	264	165035	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	872553	96.18	ng	0.00
7) Phenol-d6	6.36	99	1012893	92.61	ng	0.00
23) Nitrobenzene-d5	7.29	82	627374	66.89	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	146607	71.25	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	981698	69.51	ng	0.00
78) Terphenyl-d14	12.84	244	494132	78.91	ng	0.02
Target Compounds						Qvalue
31) Naphthalene	8.02	128	192013	7.135	ng	99
37) 2-Methylnaphthalene	8.71	142	108439	6.051	ng	99
48) Acenaphthylene	9.62	152	103414	4.599	ng	95
49) Dimethylphthalate	9.47	163	87202	5.080	ng	97
51) Acenaphthene	9.79	154	71703	5.460	ng	98
54) Dibenzofuran	9.96	168	91500	5.148	ng	96
57) Fluorene	10.30	166	136550	9.696	ng	99
70) Phenanthrene	11.27	178	1005404	66.495	ng	100
71) Anthracene	11.32	178	397399	25.750	ng	98
72) Carbazole	11.48	167	72790	4.835	ng	# 78
74) Fluoranthene	12.48	202	1375875	89.234	ng	97
77) Pvrene	12.71	202	1209941	110.861	ng	99
80) Benzo(a)anthracene	13.91	228	630667	72.567	ng	96
82) Chrysene	13.95	228	516861	58.565	ng	97
83) Bis(2-ethylhexyl)phthalate	13.89	149	166385	22.795	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.80	276	381298	52.314	ng	95
87) Benzo(b)fluoranthene	14.97	252	739188m	69.104	ng	
88) Benzo(k)fluoranthene	14.98	252	208171m	20.599	ng	
89) Benzo(a)pvrene	15.33	252	538820m	55.852	ng	
91) Benzo(a,h,i)perylene	17.23	276	372053	48.217	ng	92

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

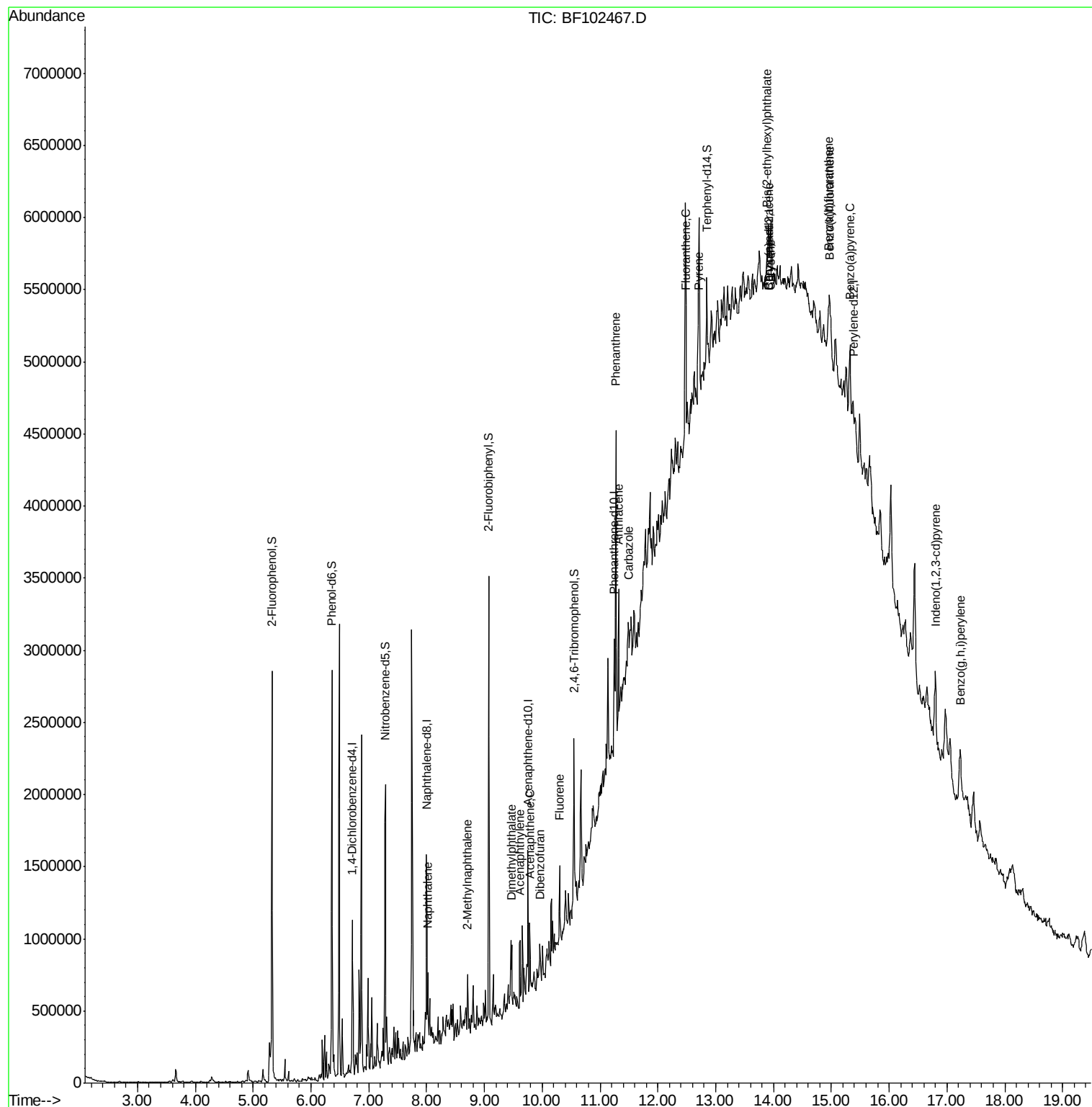
Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
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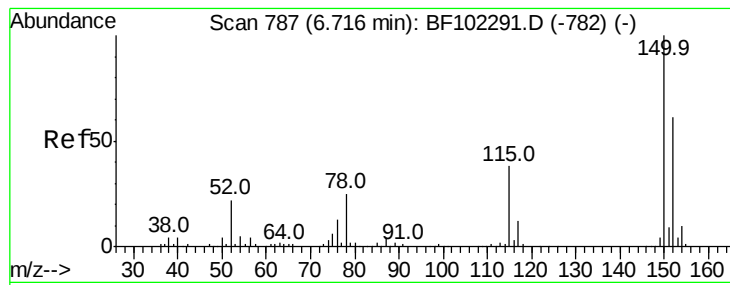
Instrument :
BNA_F
ClientSampleId :
WC-11(0-5)

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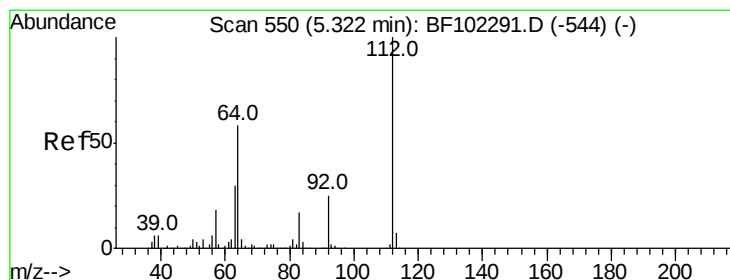
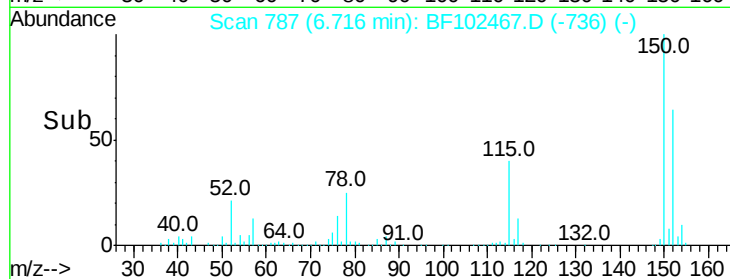
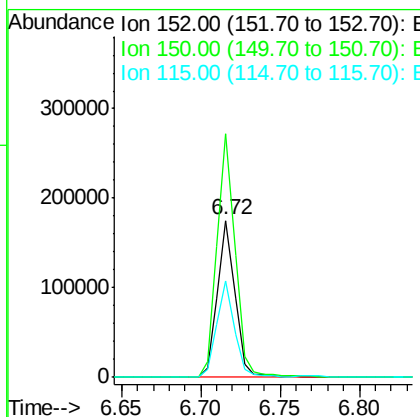
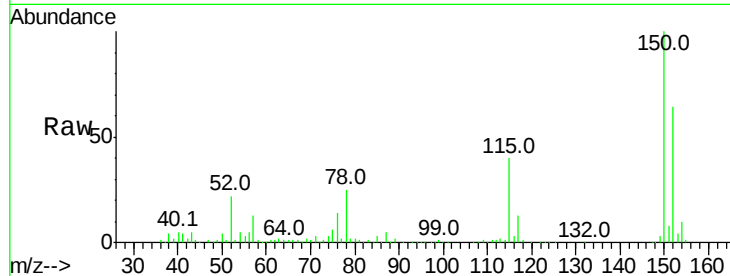
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF102467.D
 Acq: 26 Jan 2018 14:39

Instrument :
 BNA_F
 ClientSampleId :
 WC-11(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	61.3	50.1	75.1

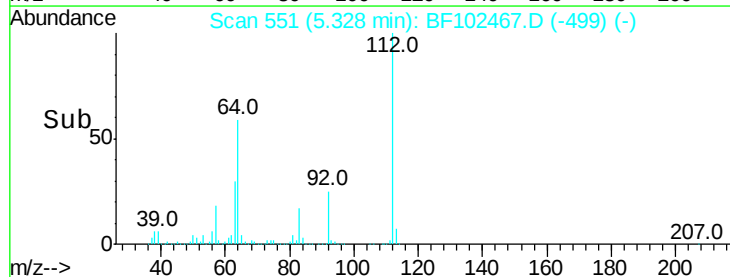
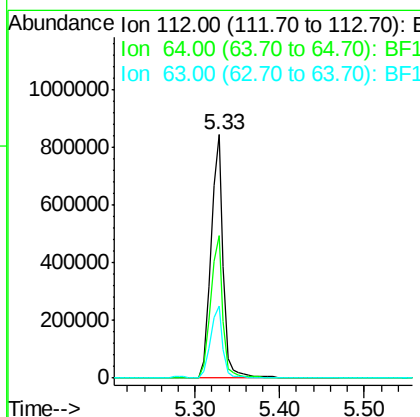
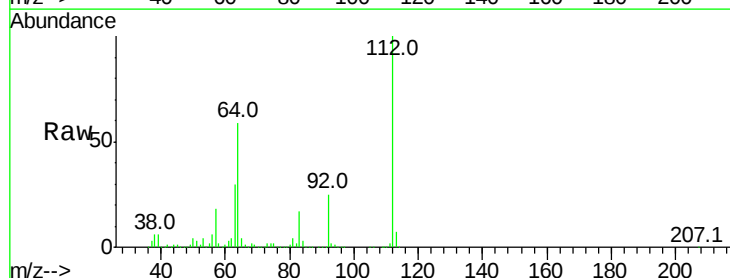
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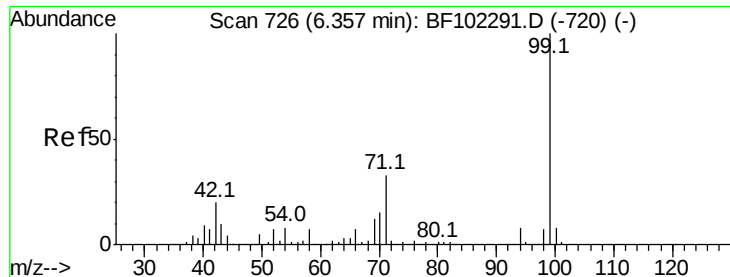
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#5
 2-Fluorophenol
 Concen: 96.183 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102467.D
 Acq: 26 Jan 2018 14:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.9	71.9
63	29.8	23.7	35.5





#7

Phenol-d6

Concen: 92.613 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102467.D

Acq: 26 Jan 2018 14:39

Instrument :

BNA_F

ClientSampled :

WC-11(0-5)

Tot Ion: 99 Resp: 1012893

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

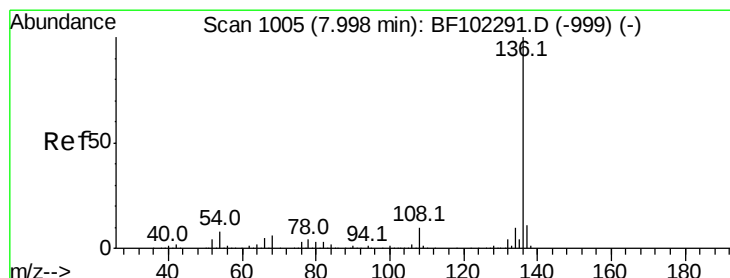
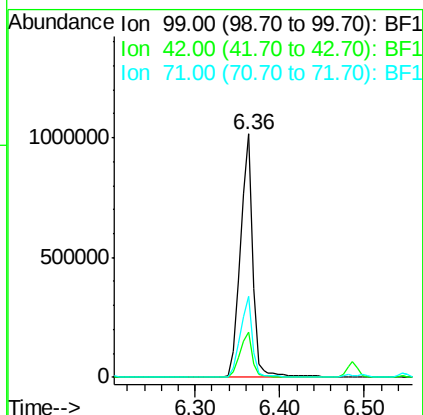
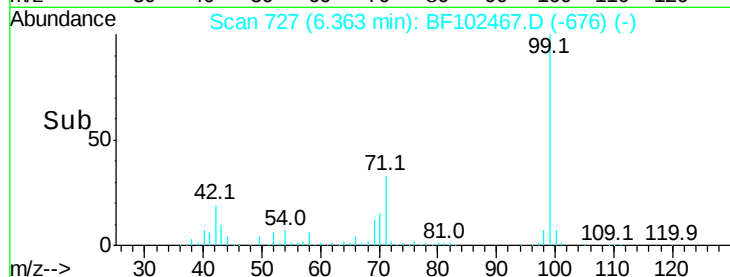
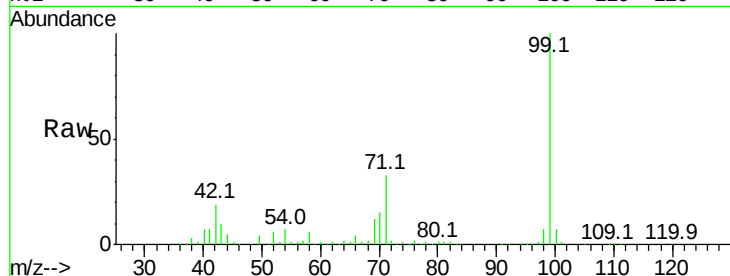
71 33.2 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102467.D

Acq: 26 Jan 2018 14:39

Tgt Ion: 136 Resp: 538979

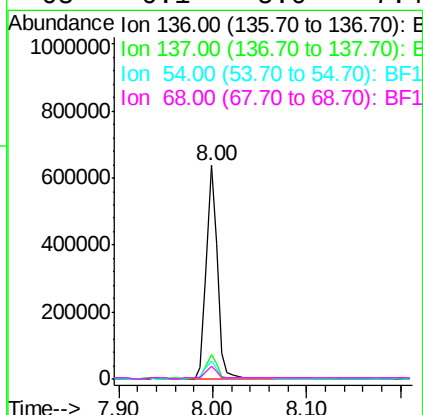
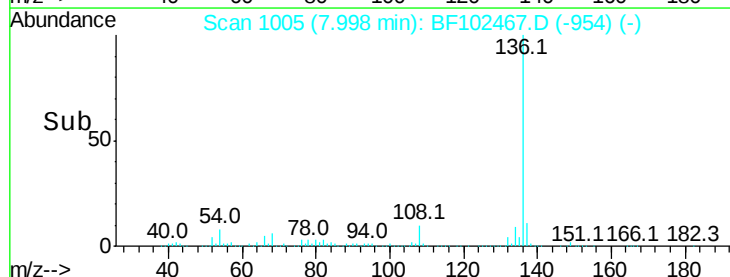
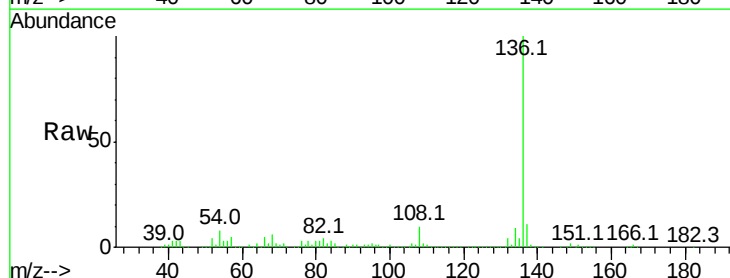
Ion Ratio Lower Upper

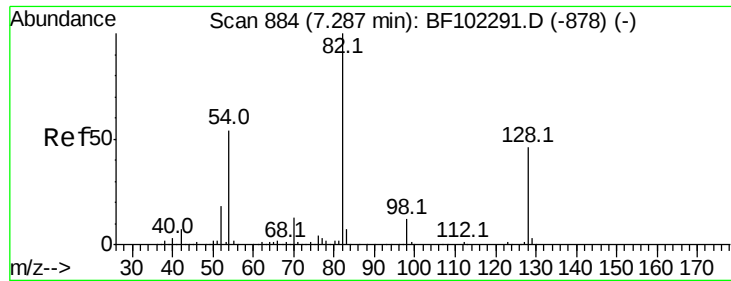
136 100

137 11.3 8.9 13.3

54 8.5 6.6 9.8

68 6.1 5.0 7.4





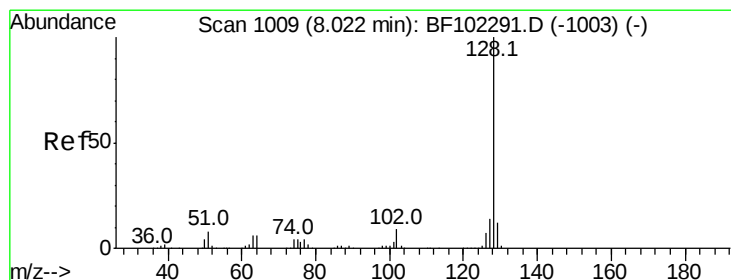
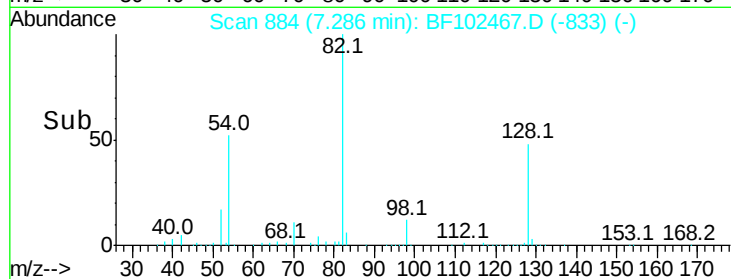
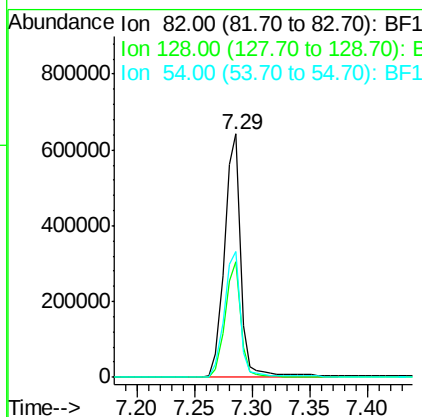
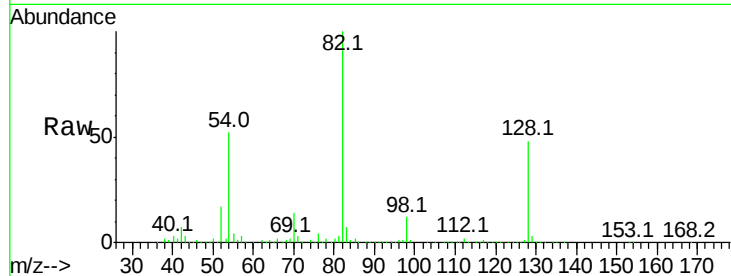
#23
Nitrobenzene-d5
Concen: 66.892 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF102467.D
Acq: 26 Jan 2018 14:39

Instrument :
BNA_F
ClientSampled :
WC-11(0-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.1	54.1
54	51.8	41.4	62.2

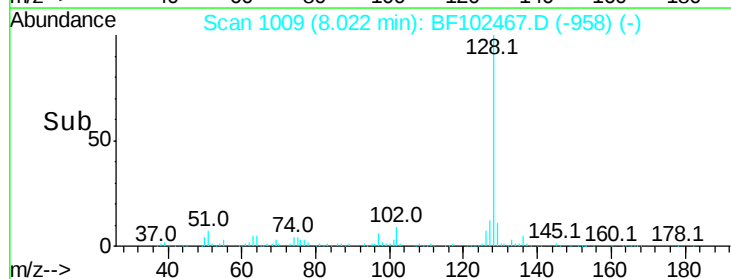
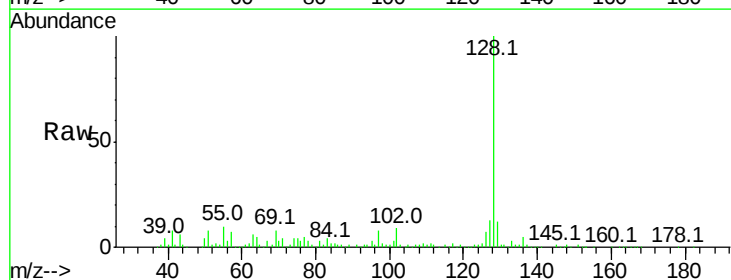
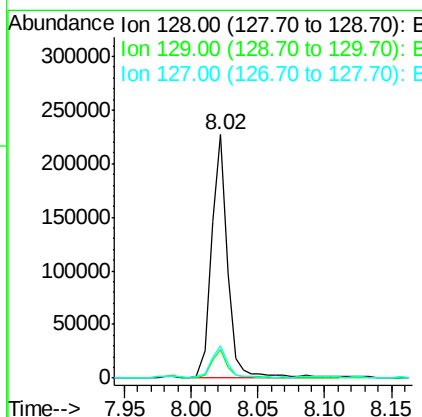
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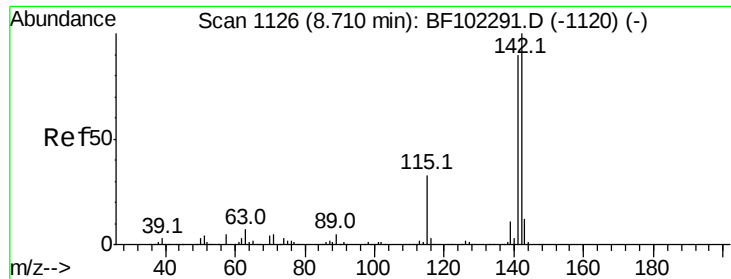
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#31
Naphthalene
Concen: 7.135 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF102467.D
Acq: 26 Jan 2018 14:39

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	13.2	10.9	16.3





#37

2-Methylnaphthalene

Concen: 6.051 ng

RT: 8.71 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BF102467.D

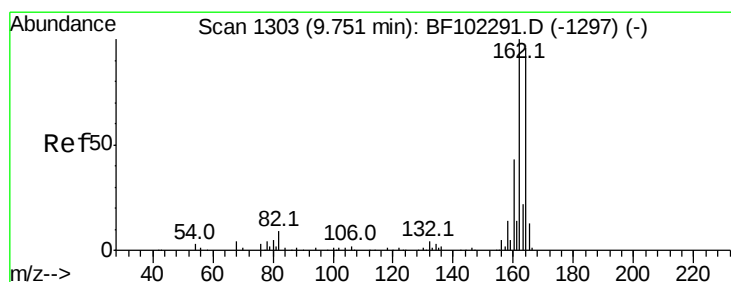
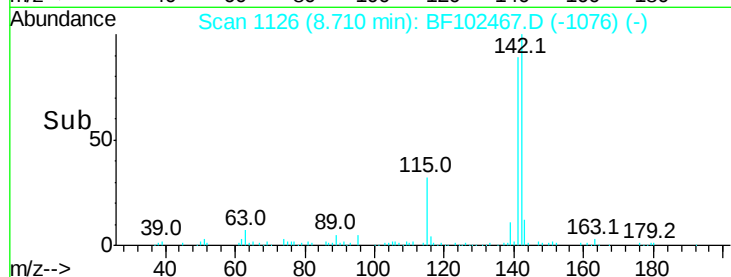
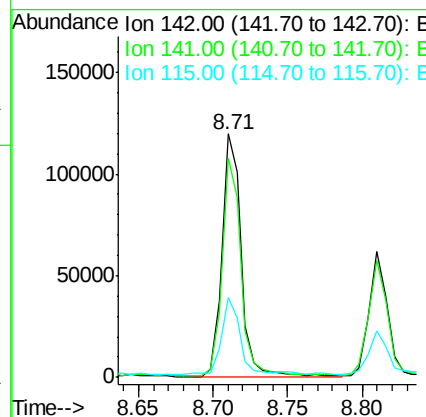
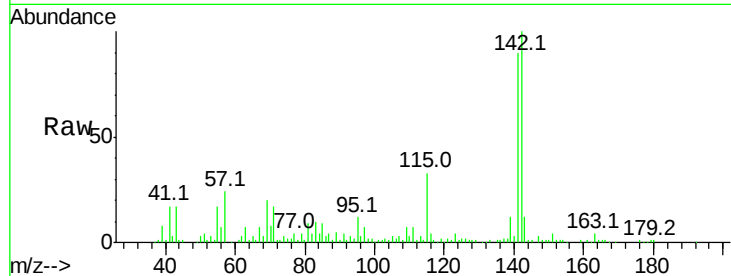
Acq: 26 Jan 2018 14:39

Instrument :
BNA_F
ClientSampleId :
WC-11(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
142	100	108439		
141	90.0		70.8	106.2
115	32.8		26.1	39.1

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#38

Acenaphthene-d10

Concen: 20.000 ng

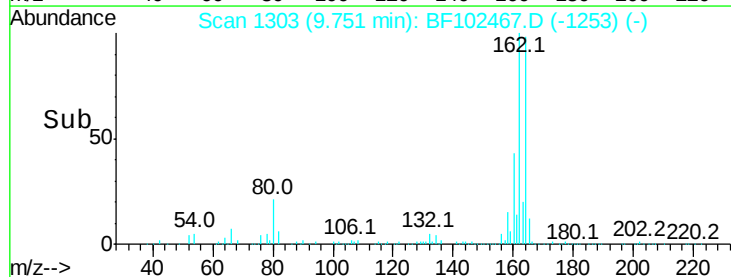
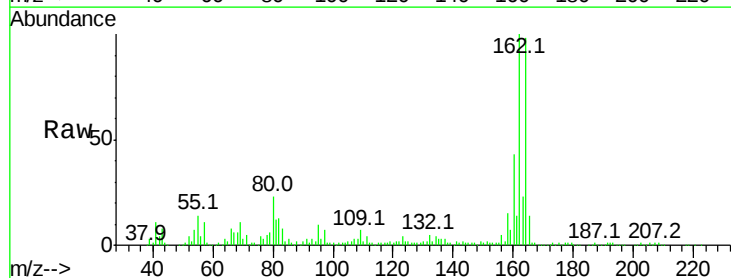
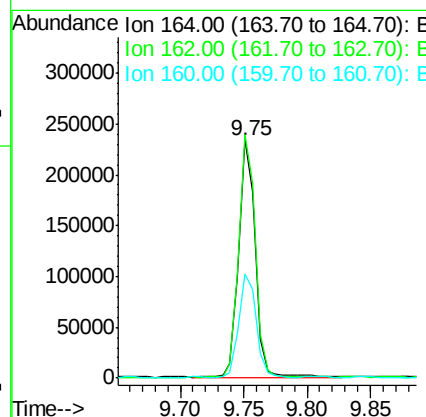
RT: 9.75 min Scan# 1303

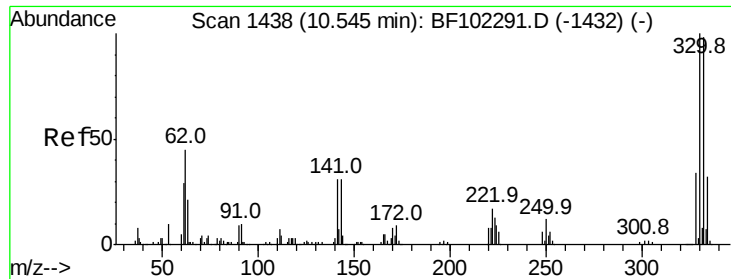
Delta R.T. -0.01 min

Lab File: BF102467.D

Acq: 26 Jan 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	207668		
162	102.1		86.1	129.1
160	43.9		38.3	57.5





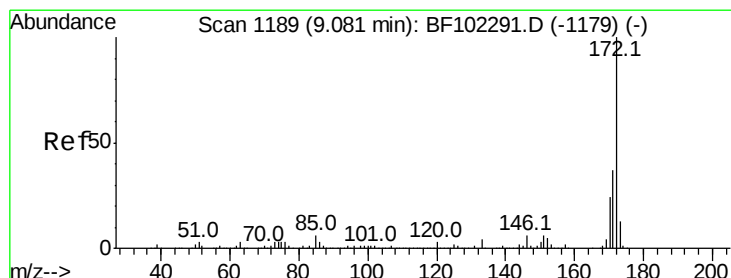
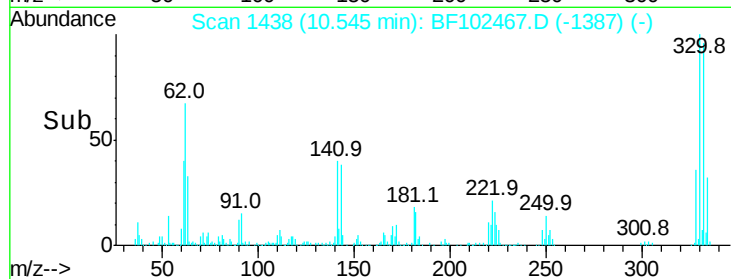
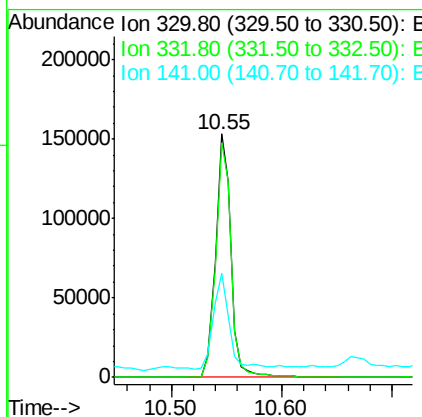
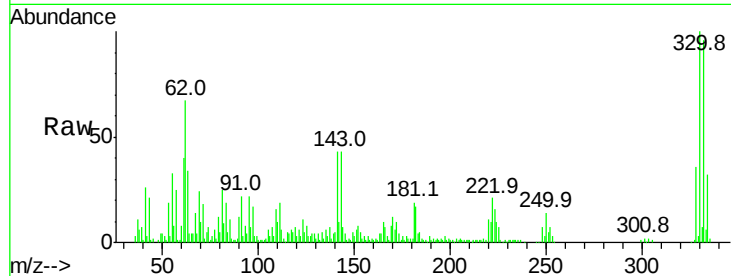
#41
 2,4,6-Tribromophenol
 Concen: 71.248 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102467.D
 Acq: 26 Jan 2018 14:39

Instrument :
 BNA_F
 ClientSampleId :
 WC-11(0-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	41.2	29.9	44.9

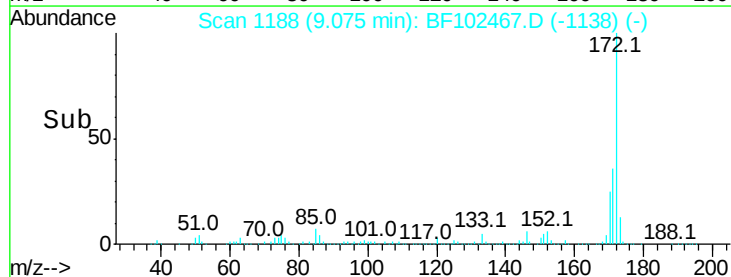
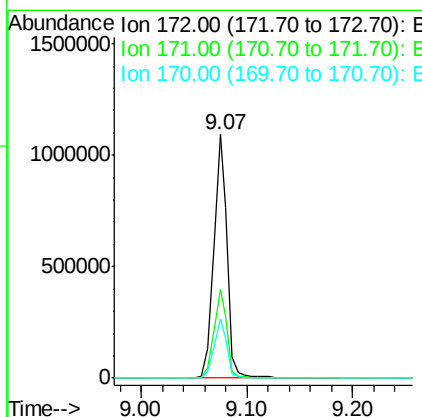
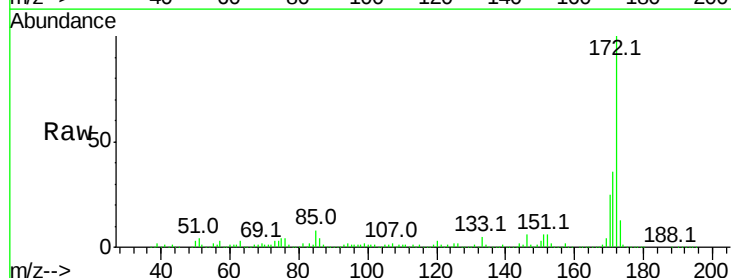
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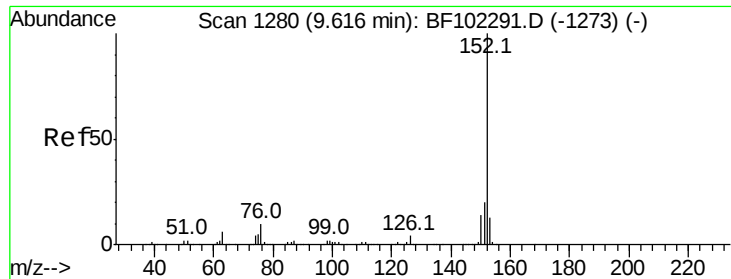
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#44
 2-Fluorobiphenyl
 Concen: 69.507 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102467.D
 Acq: 26 Jan 2018 14:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.6	19.6	29.4





#48

Acenaphthylene

Concen: 4.599 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.00 min

Lab File: BF102467.D

Acq: 26 Jan 2018 14:39

Instrument :

BNA_F

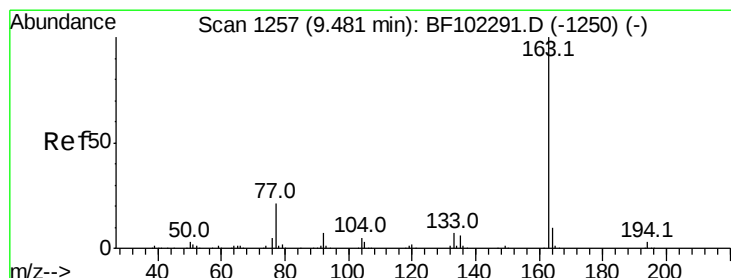
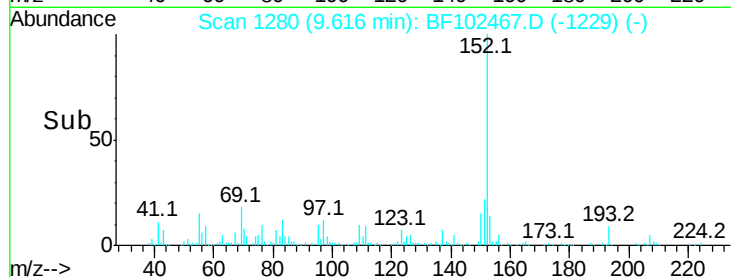
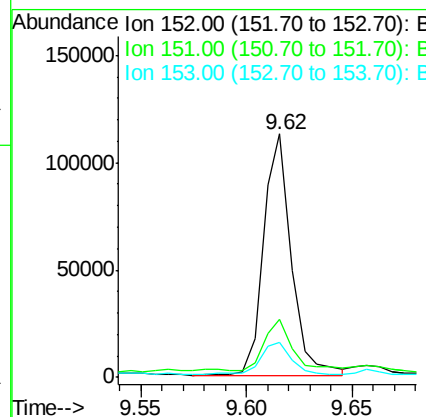
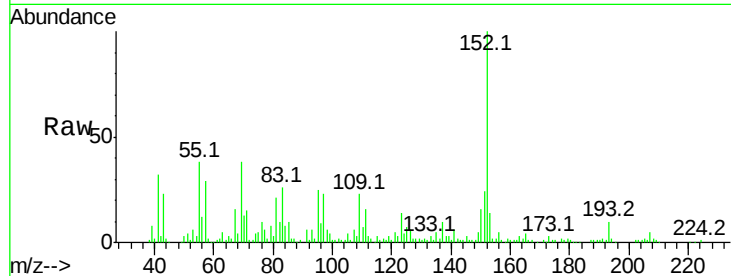
ClientSampleId :

WC-11(0-5)

Tot Ion:	152	Resp:	103414
Ion Ratio	Lower	Upper	
152	100		
151	23.8	16.3	24.5
153	14.5	10.7	16.1

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#49

Dimethylphthalate

Concen: 5.080 ng

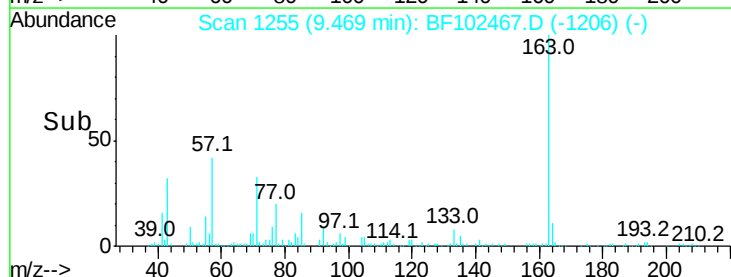
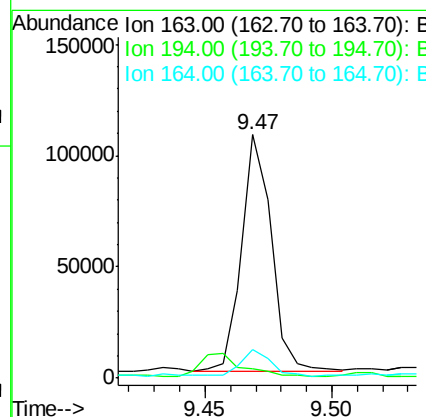
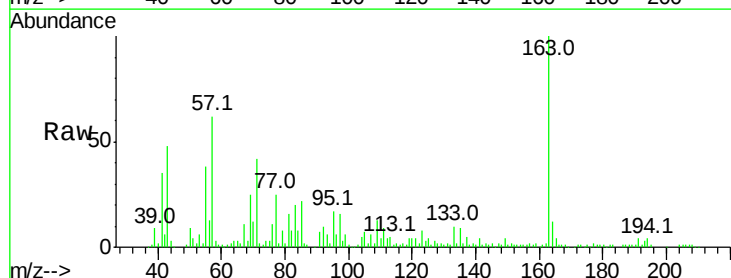
RT: 9.47 min Scan# 1255

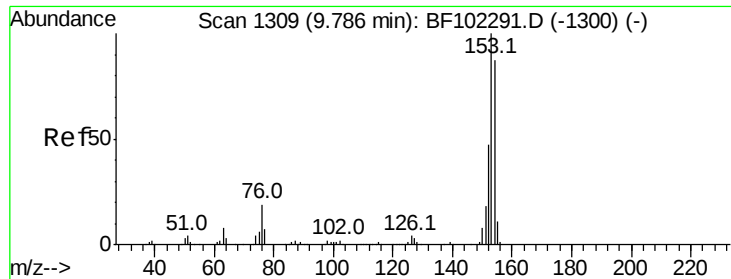
Delta R.T. -0.01 min

Lab File: BF102467.D

Acq: 26 Jan 2018 14:39

Tgt Ion:	163	Resp:	87202
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.7	4.1
164	11.7	8.2	12.2





#51

Acenaphthene

Concen: 5.460 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF102467.D

Acq: 26 Jan 2018 14:39

Instrument :

BNA_F

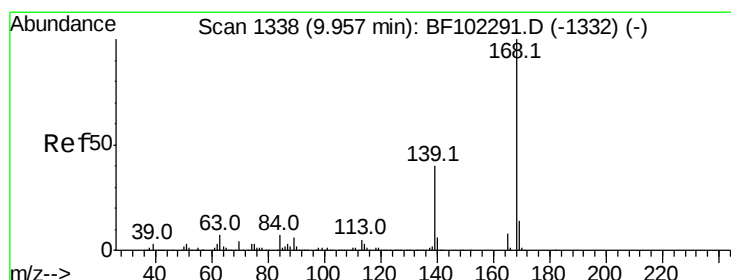
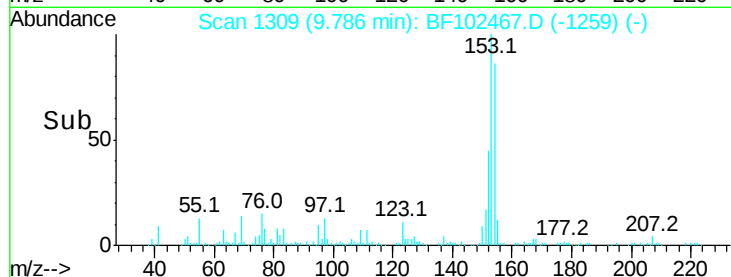
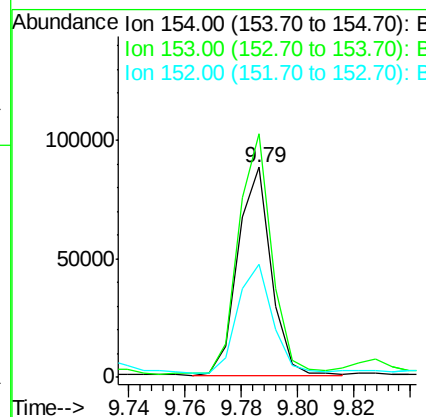
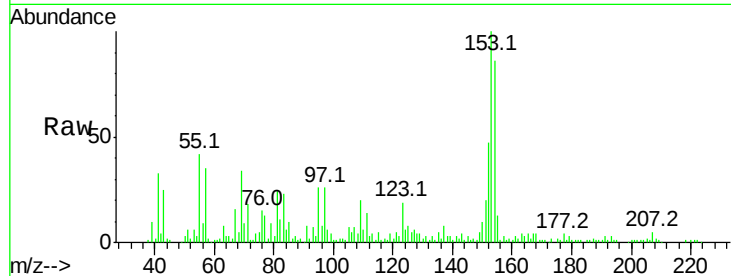
ClientSampleId :

WC-11(0-5)

Tot Ion:	154	Resp:	71703
Ion Ratio	Lower	Upper	
154	100		
153	115.9	91.2	136.8
152	54.0	43.8	65.8

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#54

Dibenzofuran

Concen: 5.148 ng

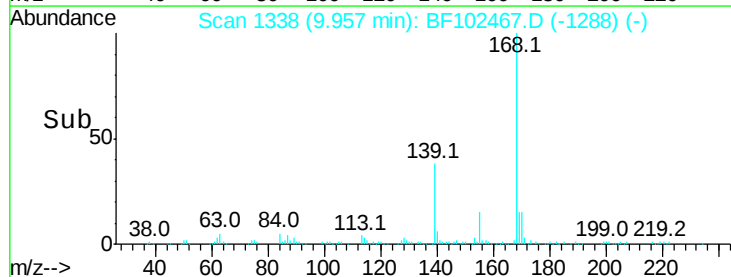
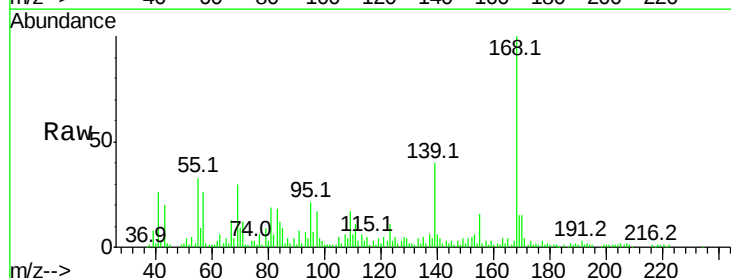
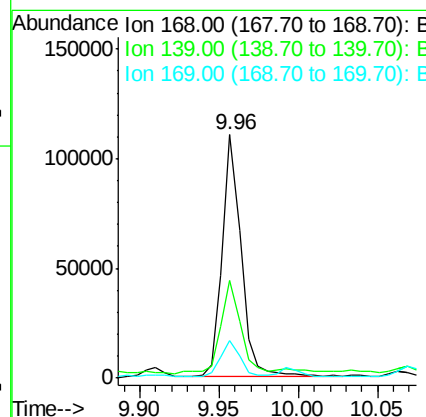
RT: 9.96 min Scan# 1338

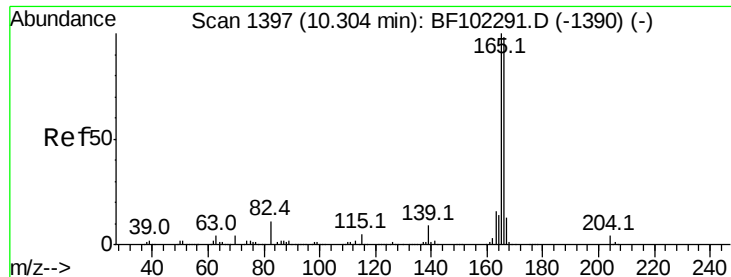
Delta R.T. -0.01 min

Lab File: BF102467.D

Acq: 26 Jan 2018 14:39

Tgt Ion:	168	Resp:	91500
Ion Ratio	Lower	Upper	
168	100		
139	40.0	30.1	45.1
169	15.5	10.9	16.3





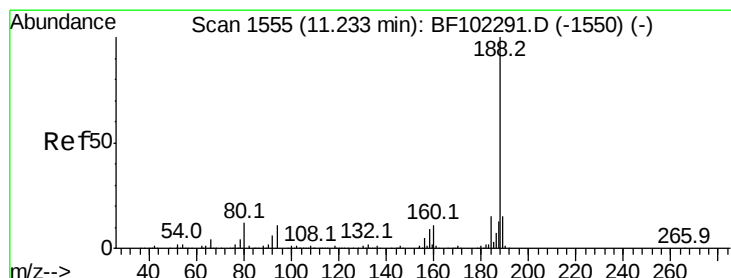
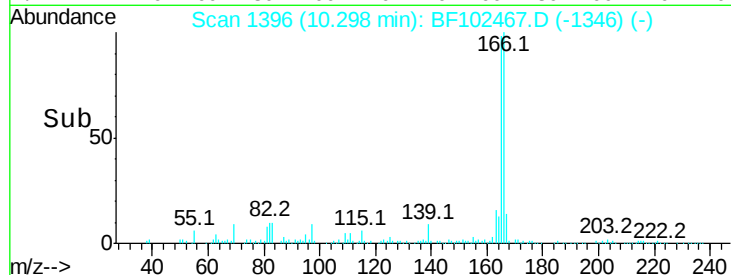
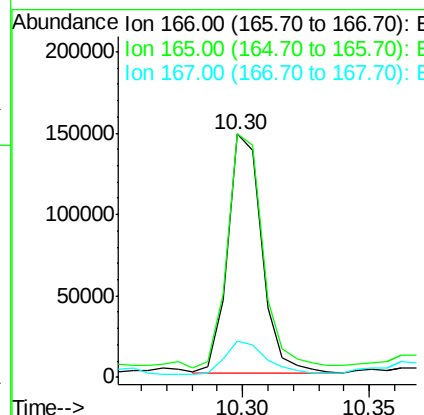
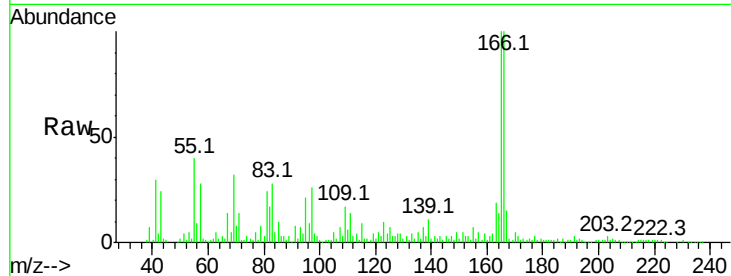
#57
Fluorene
 Concen: 9.696 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF102467.D
 Acq: 26 Jan 2018 14:39

Instrument :
 BNA_F
 ClientSampled :
 WC-11(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.0	79.8	119.8	
167	15.0	10.6	16.0	

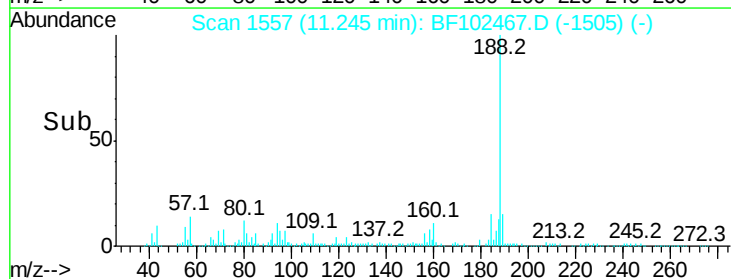
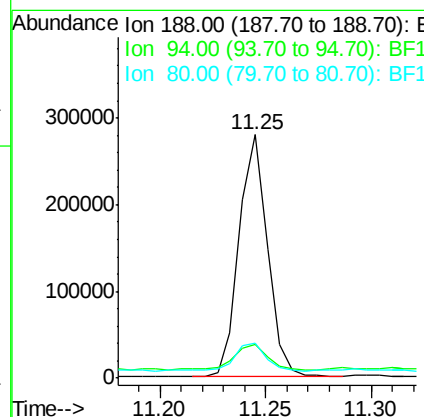
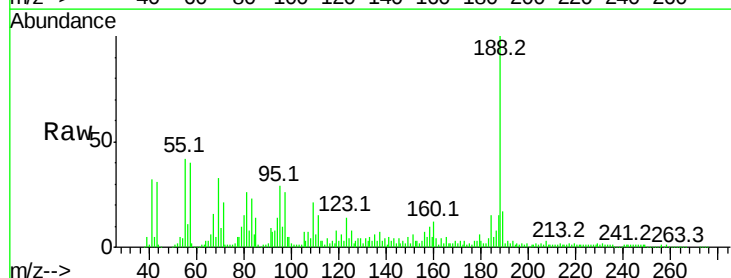
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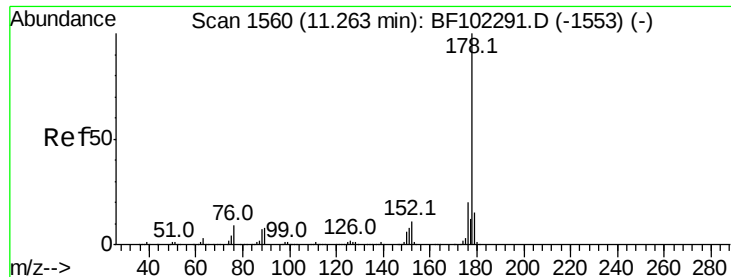
Sohil
 1/27/2018 1:46:42 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. 0.01 min
 Lab File: BF102467.D
 Acq: 26 Jan 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	14.0	8.5	12.7#	
80	14.6	9.2	13.8#	





#70

Phenanthrene

Concen: 66.495 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BF102467.D

Acq: 26 Jan 2018 14:39

Instrument :

BNA_F

ClientSampled :

WC-11(0-5)

Tot Ion:178 Resp: 1005404

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

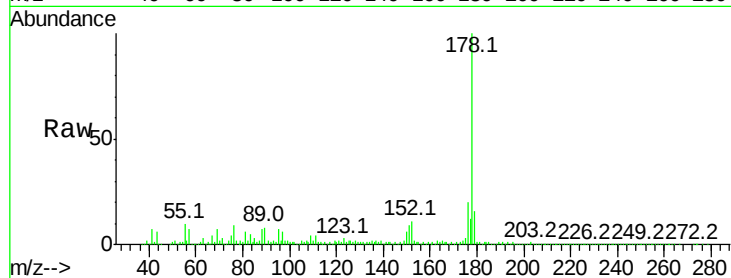
179 16.0 13.0 19.6

Manual Integrations

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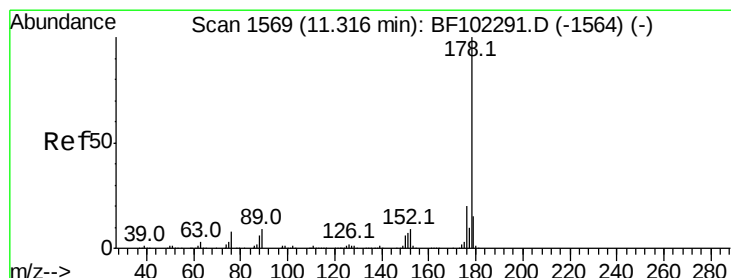
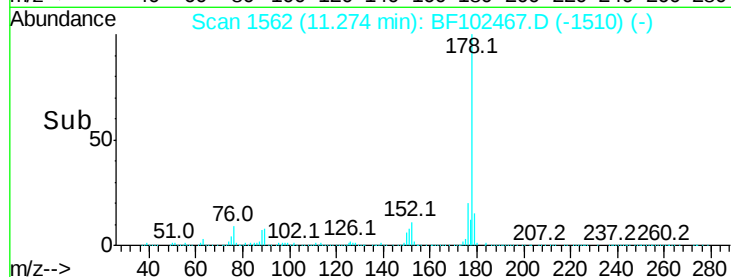
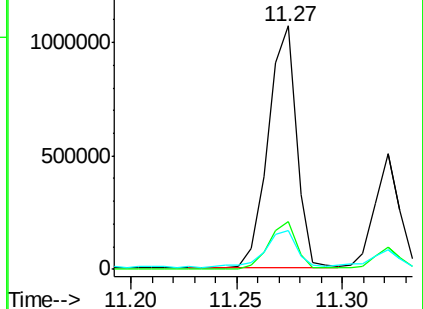
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 25.750 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF102467.D

Acq: 26 Jan 2018 14:39

Tgt Ion:178 Resp: 397399

Ion Ratio Lower Upper

178 100

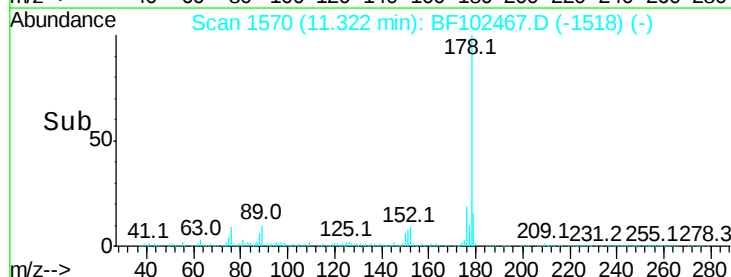
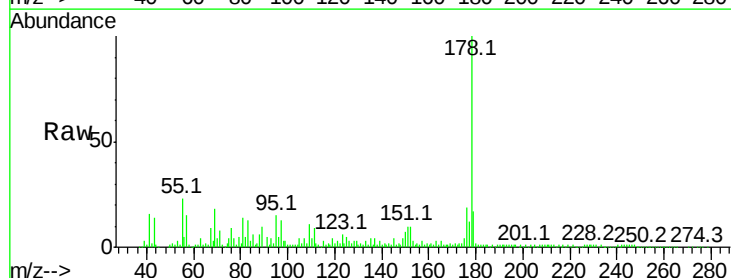
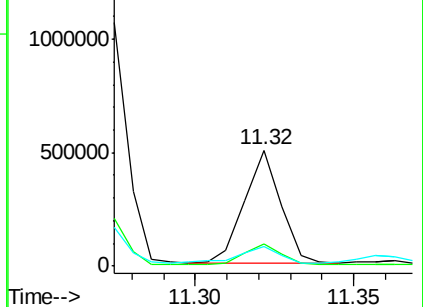
176 19.3 15.4 23.2

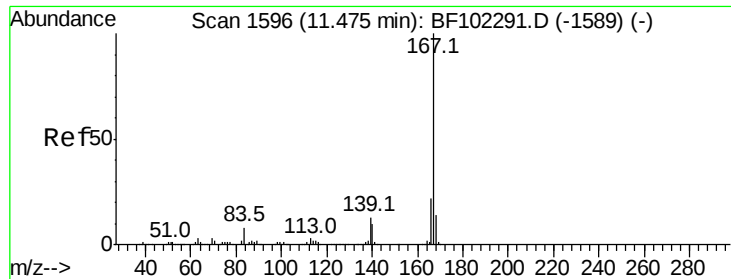
179 17.2 12.6 19.0

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





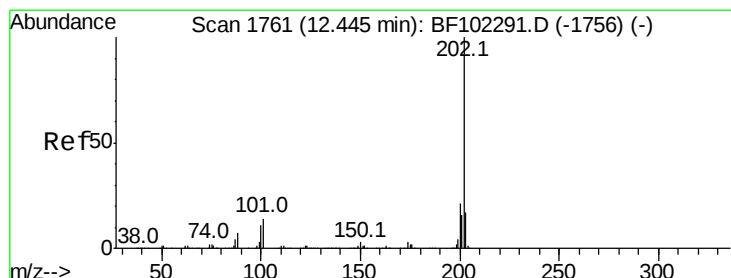
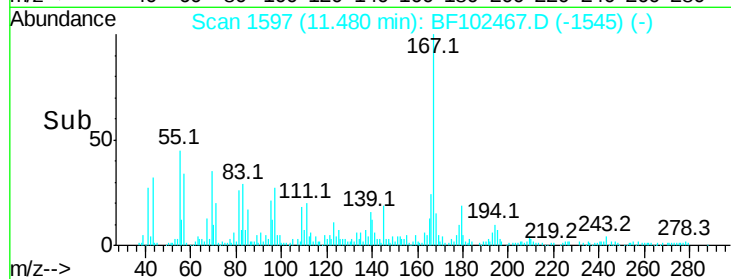
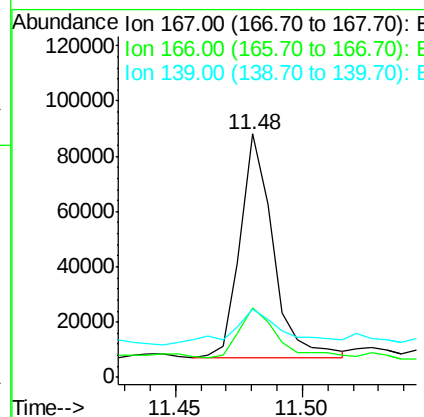
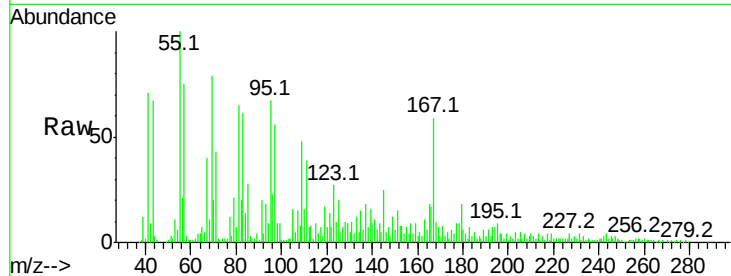
#72
 Carbazole
 Concen: 4.835 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF102467.D
 Acq: 26 Jan 2018 14:39

Instrument :
 BNA_F
 ClientSampleId :
 WC-11(0-5)

Tot Ion	Ratio	Lower	Upper
167	100		
166	28.5	17.6	26.4#
139	27.9	10.9	16.3#

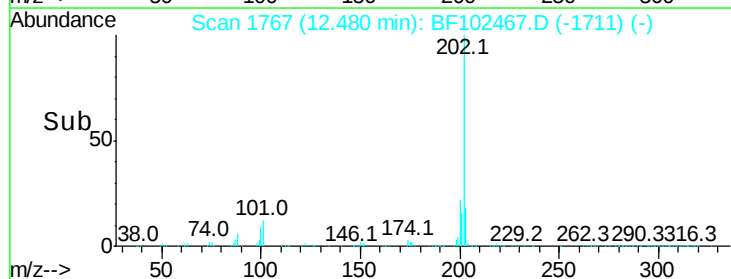
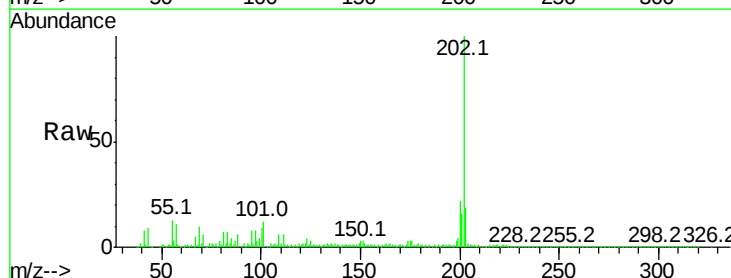
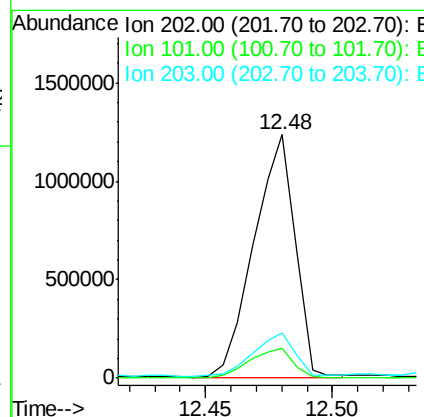
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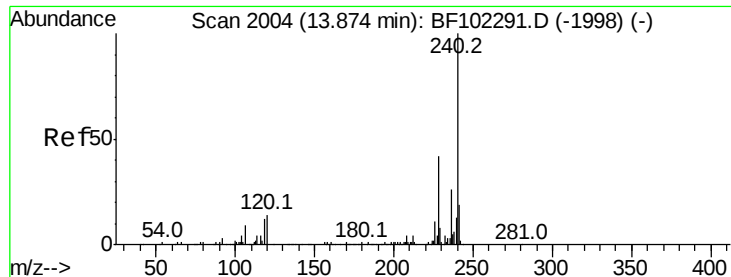
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#74
 Fluoranthene
 Concen: 89.234 ng
 RT: 12.48 min Scan# 1767
 Delta R.T. 0.03 min
 Lab File: BF102467.D
 Acq: 26 Jan 2018 14:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.1
203	18.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.04 min

Lab File: BF102467.D

Acq: 26 Jan 2018 14:39

Instrument :

BNA_F

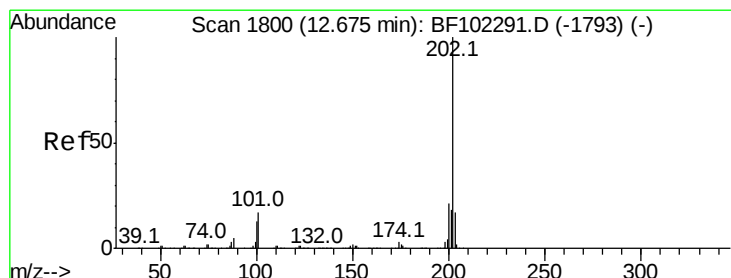
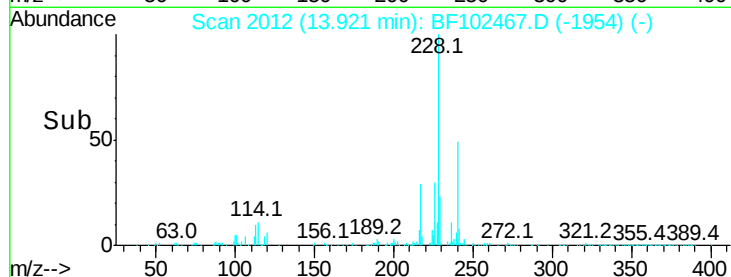
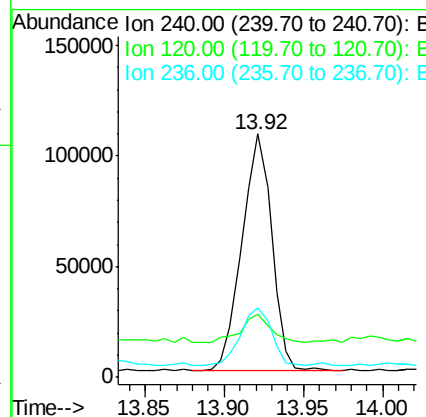
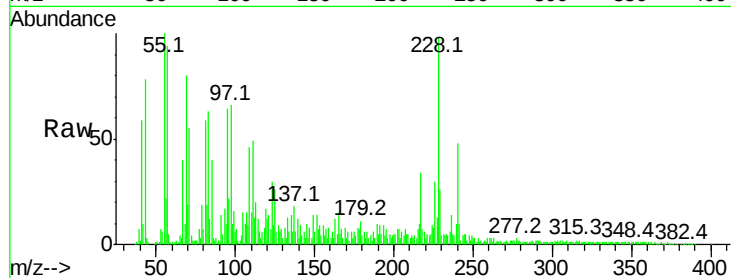
ClientSampled :

WC-11(0-5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	25.7	9.5	14.3#
236	28.7	20.7	31.1

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#77

Pyrene

Concen: 110.861 ng

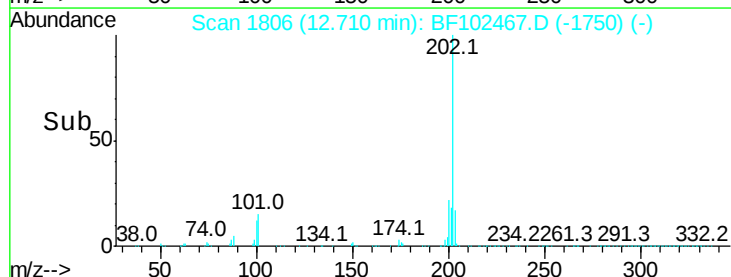
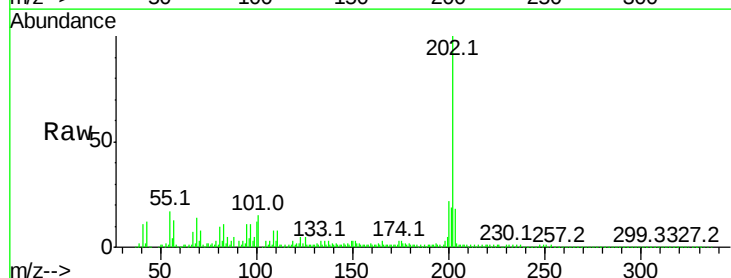
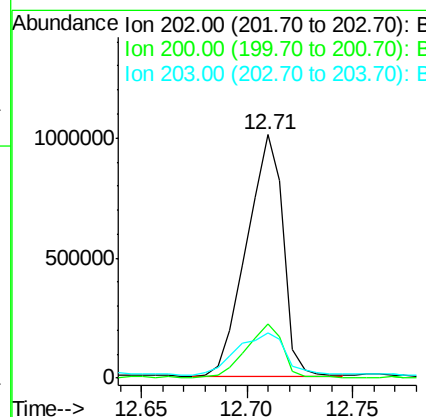
RT: 12.71 min Scan# 1806

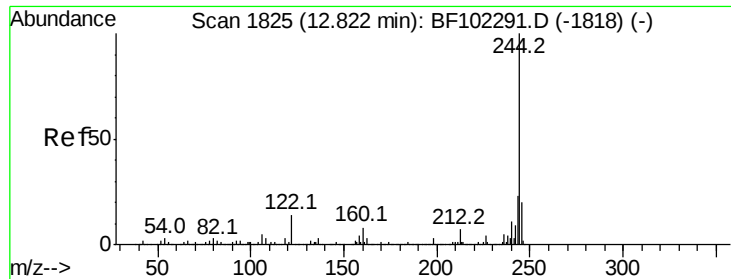
Delta R.T. 0.03 min

Lab File: BF102467.D

Acq: 26 Jan 2018 14:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.4	26.2
203	18.3	14.3	21.5





#78

Terphenyl-d14

Concen: 78.914 ng

RT: 12.84 min Scan# 1829

Delta R.T. 0.02 min

Lab File: BF102467.D

Acq: 26 Jan 2018 14:39

Instrument :

BNA_F

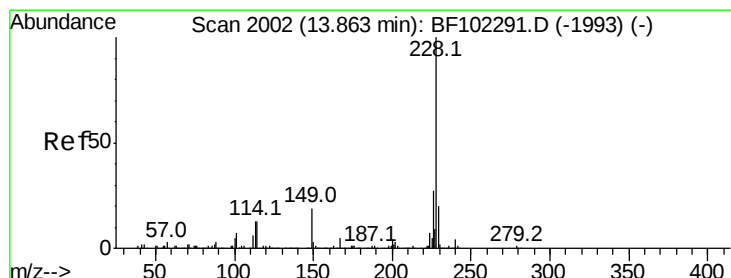
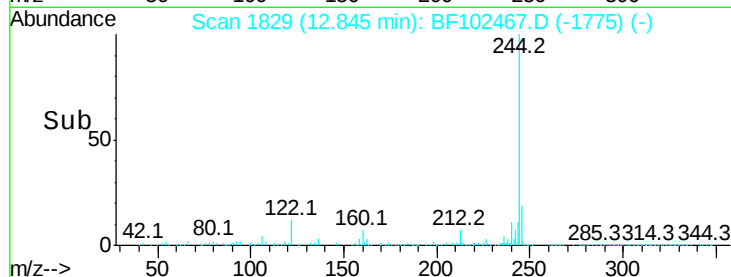
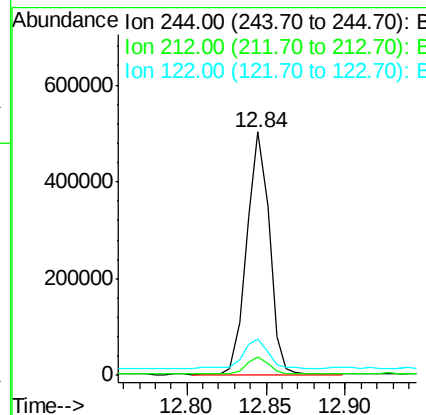
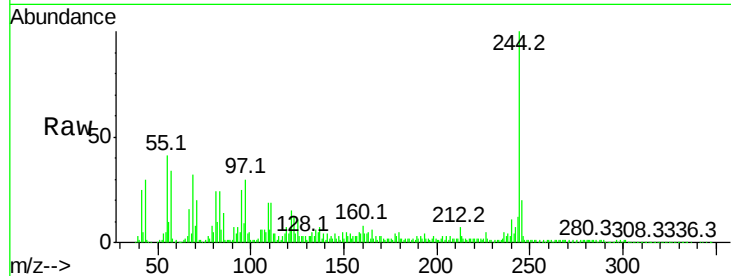
ClientSampled :

WC-11(0-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	15.0	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 72.567 ng

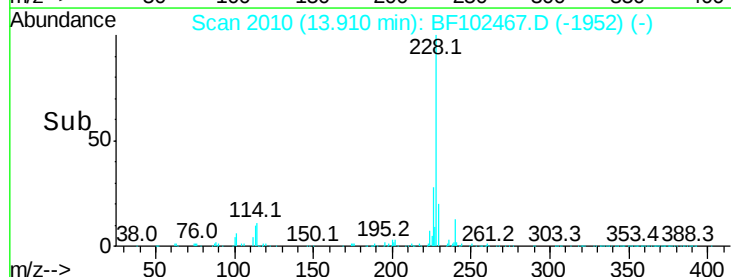
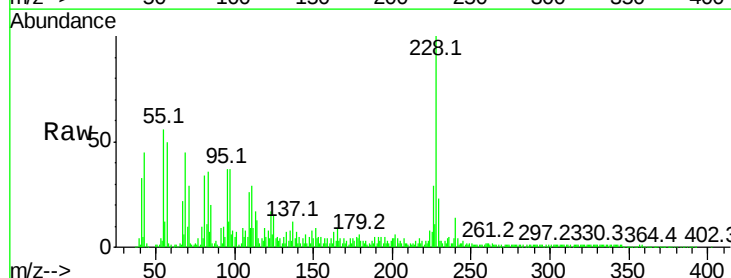
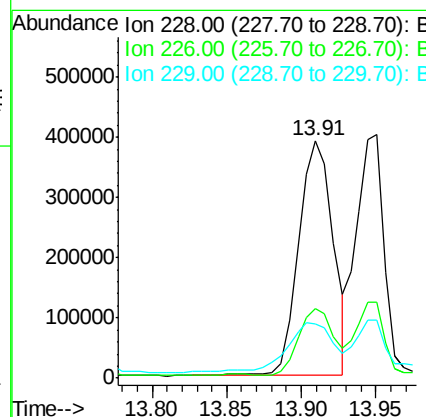
RT: 13.91 min Scan# 2010

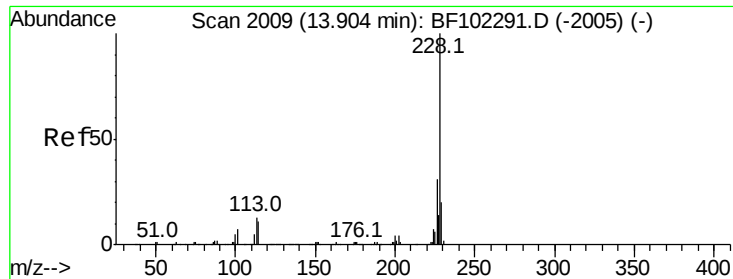
Delta R.T. 0.04 min

Lab File: BF102467.D

Acq: 26 Jan 2018 14:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	22.8	15.8	23.6





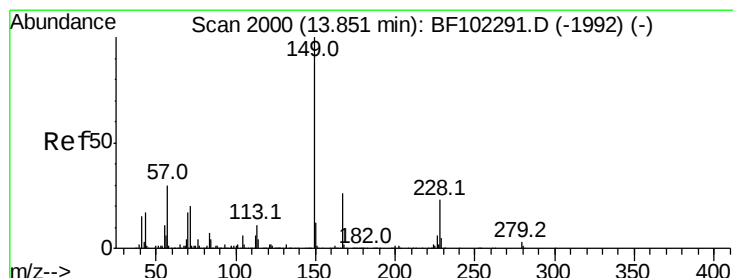
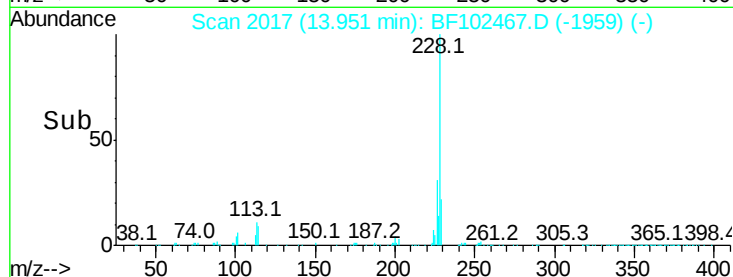
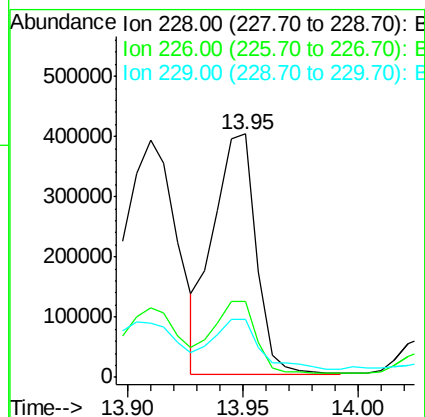
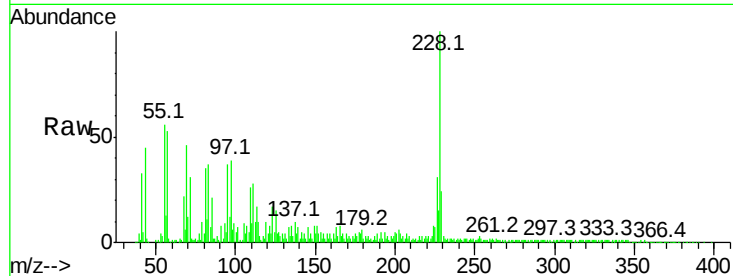
#82
 Chrvsene
 Concen: 58.565 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.04 min
 Lab File: BF102467.D
 Acq: 26 Jan 2018 14:39

Instrument :
 BNA_F
 ClientSampled :
 WC-11(0-5)

Tot Ion:	228	Resp:	516861
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.6
229	23.9	16.2	24.4

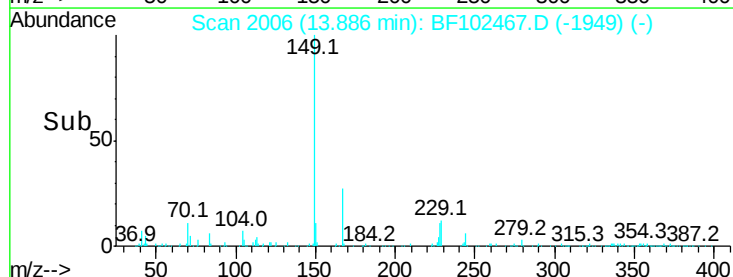
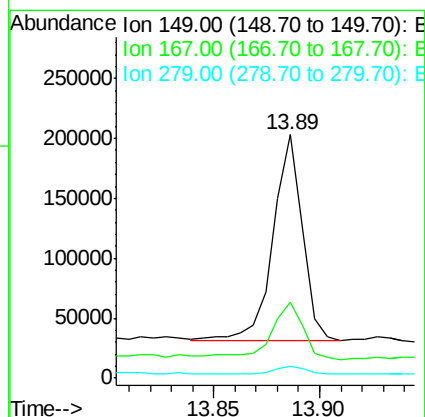
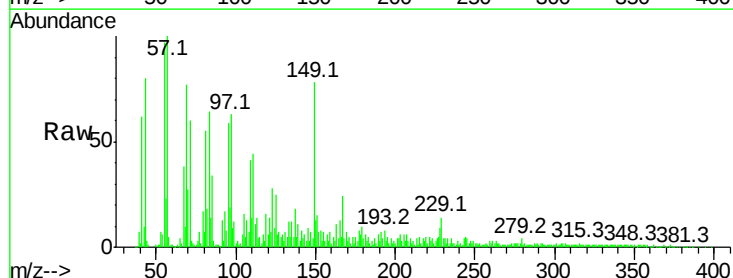
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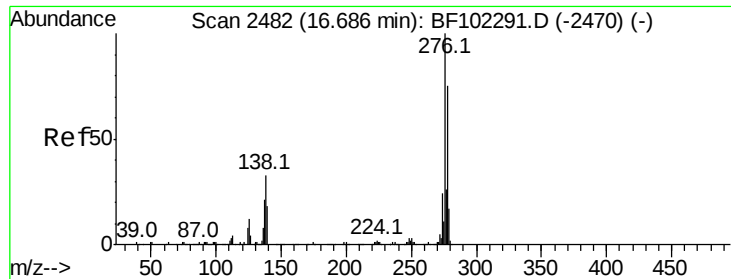
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 22.795 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.04 min
 Lab File: BF102467.D
 Acq: 26 Jan 2018 14:39

Tgt Ion:	149	Resp:	166385
Ion Ratio	Lower	Upper	
149	100		
167	31.3	21.3	31.9
279	4.8	3.0	4.4#





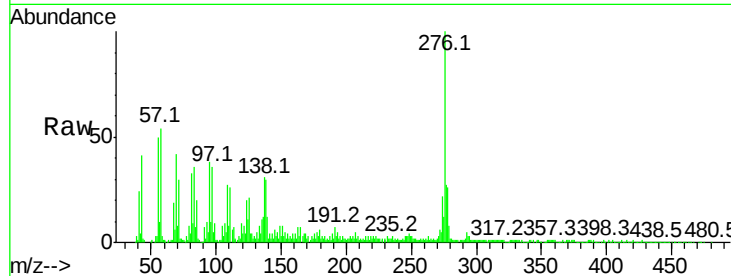
#85
Indeno(1,2,3-cd)pyrene
Concen: 52.314 ng
RT: 16.80 min Scan# 2502
Delta R.T. 0.10 min
Lab File: BF102467.D
Acq: 26 Jan 2018 14:39

Instrument :
BNA_F
ClientSampled :
WC-11(0-5)

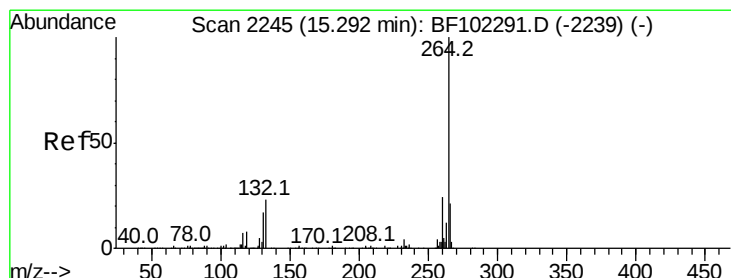
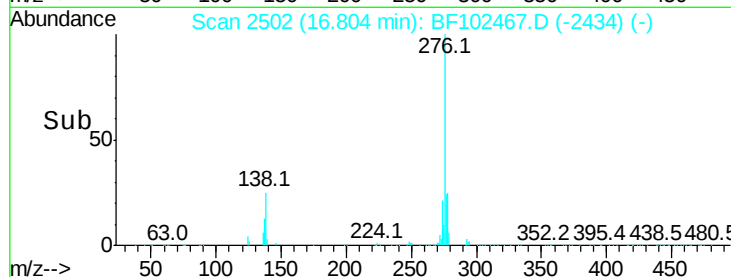
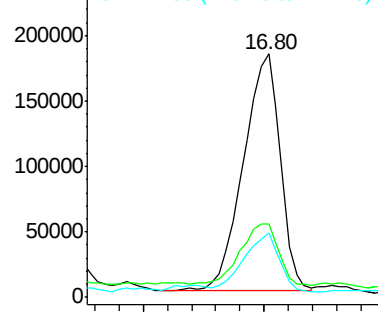
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.2	25.0	37.6
277	24.3	20.1	30.1

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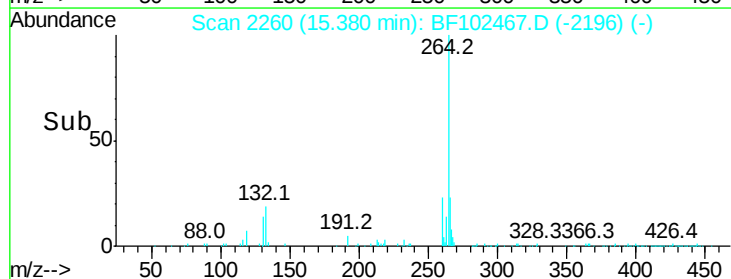
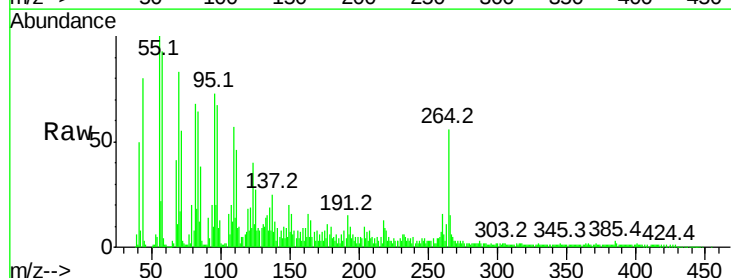
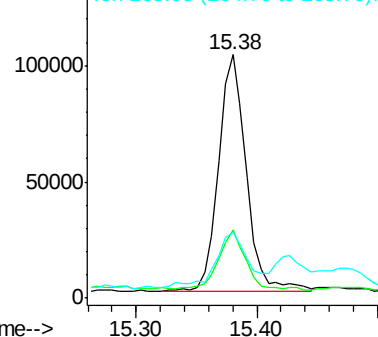
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

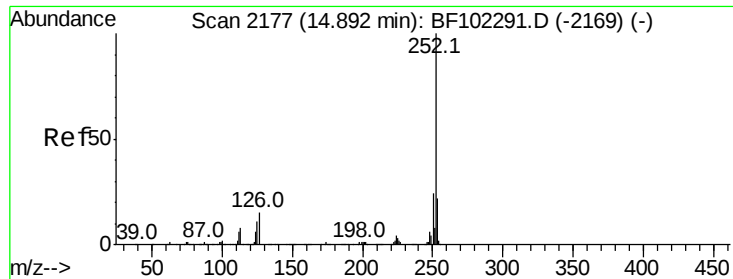


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.08 min
Lab File: BF102467.D
Acq: 26 Jan 2018 14:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.9	19.2	28.8
265	26.8	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: 69.104 ng m

RT: 14.97 min Scan# 2190

Delta R.T. 0.07 min

Lab File: BF102467.D

Acq: 26 Jan 2018 14:39

Instrument :

BNA_F

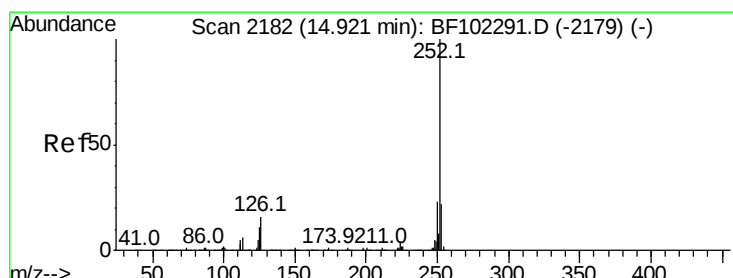
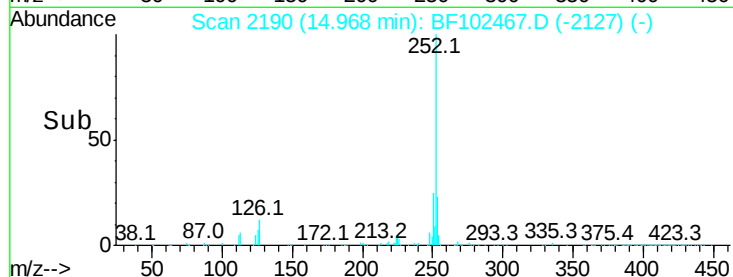
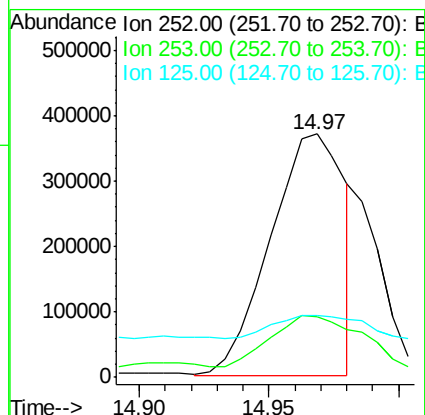
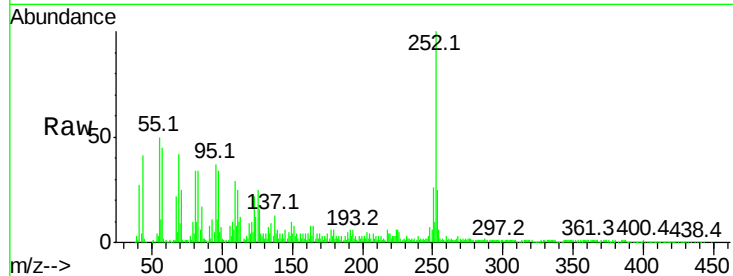
ClientSampleId :

WC-11(0-5)

Tot Ion:	252	Resp:	739188
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.0	25.6
125	25.4	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 20.599 ng m

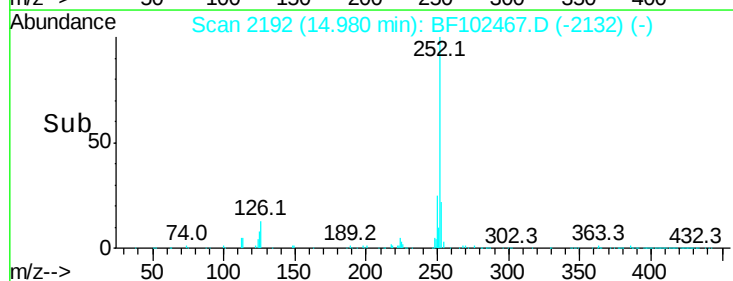
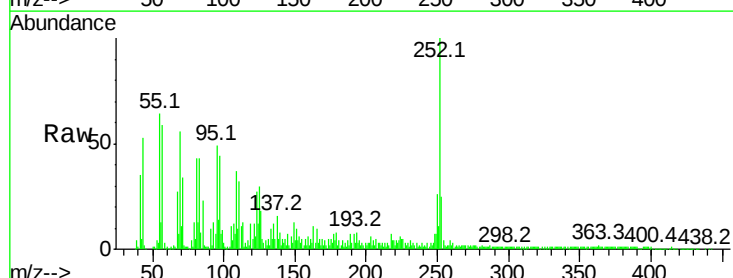
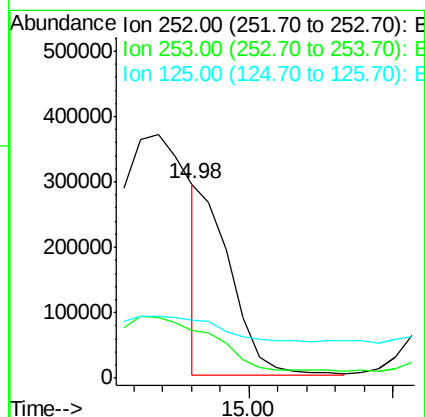
RT: 14.98 min Scan# 2192

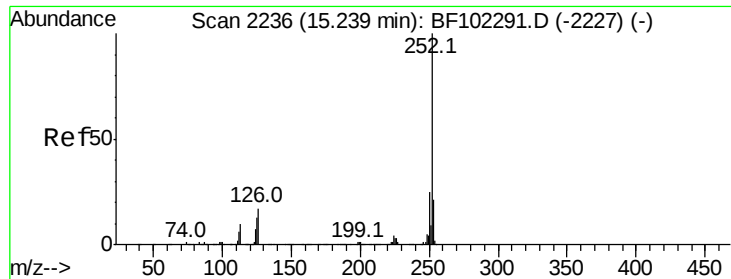
Delta R.T. 0.05 min

Lab File: BF102467.D

Acq: 26 Jan 2018 14:39

Tgt Ion:	252	Resp:	208171
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.9	26.9
125	29.9	10.2	15.2#





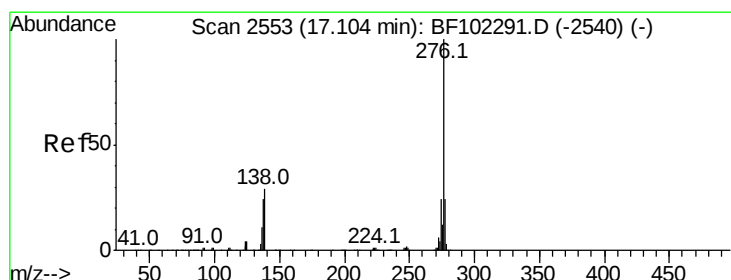
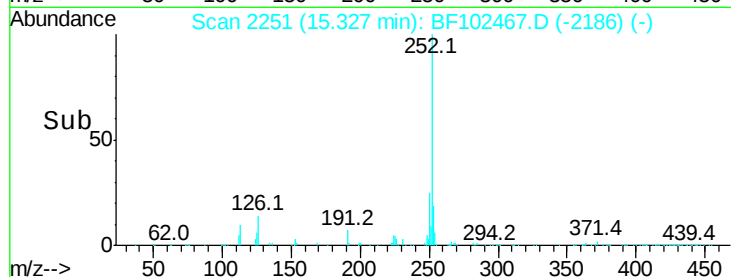
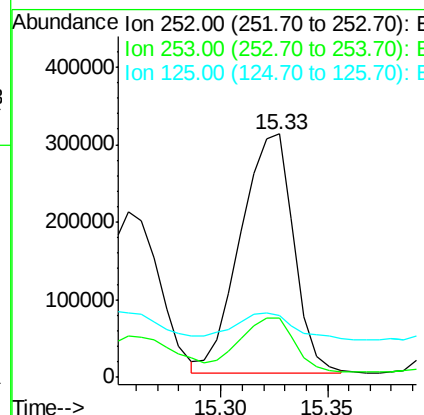
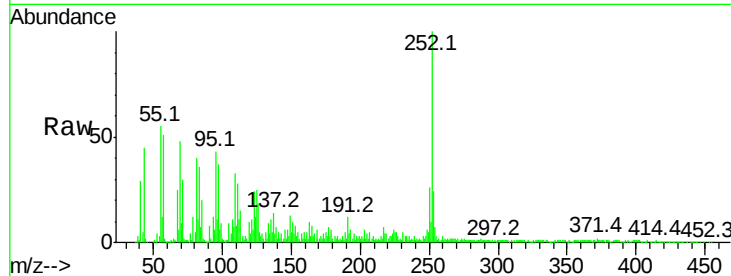
#89
Benzo(a)pyrene
Concen: 55.852 ng m
RT: 15.33 min Scan# 2251
Delta R.T. 0.08 min
Lab File: BF102467.D
Acq: 26 Jan 2018 14:39

Instrument :
BNA_F
ClientSampleId :
WC-11(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	25.3	9.8	14.6

Manual Integrations
APPROVED

Sohil
1/27/2018 1:46:42 PM



#91
Benzo(g,h,i)perylene
Concen: 48.217 ng
RT: 17.23 min Scan# 2574
Delta R.T. 0.10 min
Lab File: BF102467.D
Acq: 26 Jan 2018 14:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	32.5	21.8	32.8

