

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102570.D
 Acq On : 28 Jan 2018 21:04
 Operator : SJ/JU
 Sample : J1253-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-03(0-5)

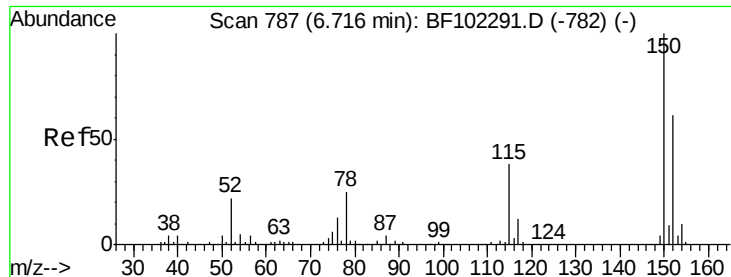
Manual Integrations
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Quant Time: Jan 29 04:50:15 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	145447	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	585277	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	238855	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	326584	20.00	ng	0.00
75) Chrysene-d12	13.88	240	263280	20.00	ng	0.00
86) Perylene-d12	15.31	264	219427	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	261444	27.26	ng	0.00
7) Phenol-d6	6.36	99	1023450	88.50	ng	0.00
23) Nitrobenzene-d5	7.28	82	789642	77.53	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	27721	11.71	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1223639	75.33	ng	0.00
78) Terphenyl-d14	12.82	244	772260	66.13	ng	0.00
Target Compounds						
10) Phenol	6.37	94	46749	3.703	ng	97
49) Dimethylphthalate	9.47	163	178252	9.029	ng	98
70) Phenanthrene	11.26	178	173339	9.108	ng	98
71) Anthracene	11.31	178	48550	2.499	ng	99
74) Fluoranthene	12.45	202	340733	17.557	ng	97
77) Pyrene	12.68	202	307182	15.091	ng	100
80) Benzo(a)anthracene	13.87	228	165857	10.232	ng	94
82) Chrysene	13.90	228	167203	10.158	ng	98
85) Indeno(1,2,3-cd)pyrene	16.72	276	56639	4.166	ng	97
87) Benzo(b)fluoranthene	14.90	252	179130m	12.595	ng	
88) Benzo(k)fluoranthene	14.92	252	69925m	5.204	ng	
89) Benzo(a)pyrene	15.25	252	121363	9.462	ng	# 87
91) Benzo(a,h,i)perylene	17.14	276	53442	5.209	ng	# 90

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



#1

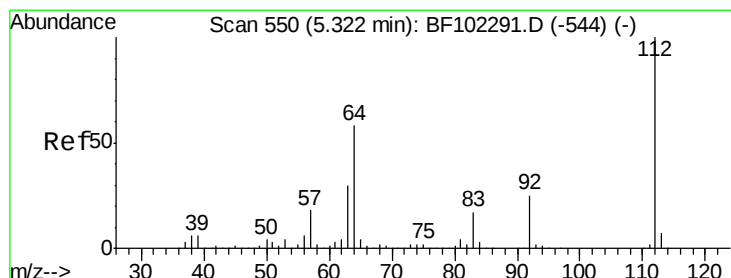
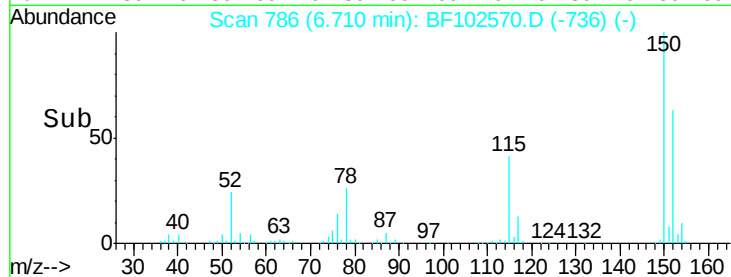
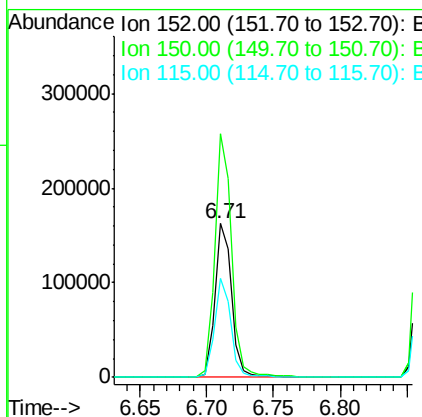
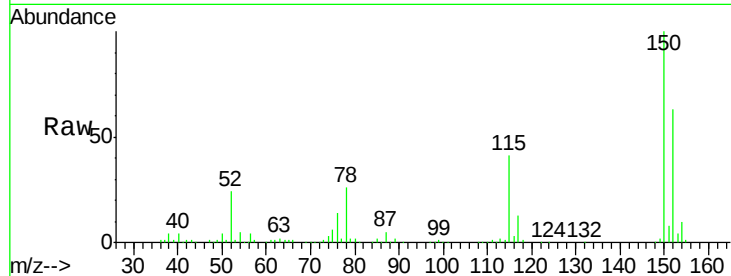
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

Instrument :
BNA_F
ClientSampleId :
WC-03(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	64.3	50.1	75.1

Manual Integrations
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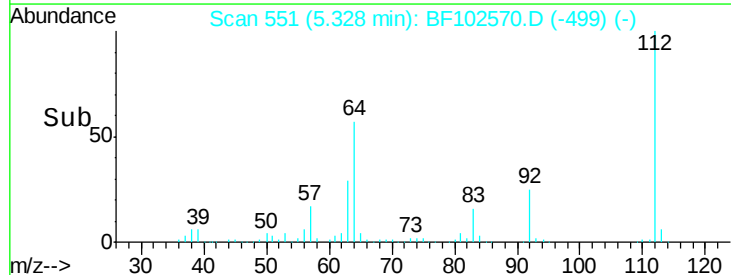
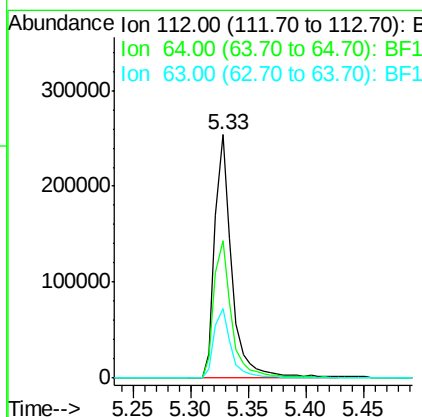
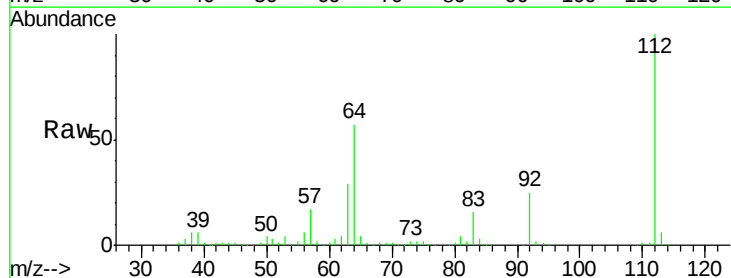
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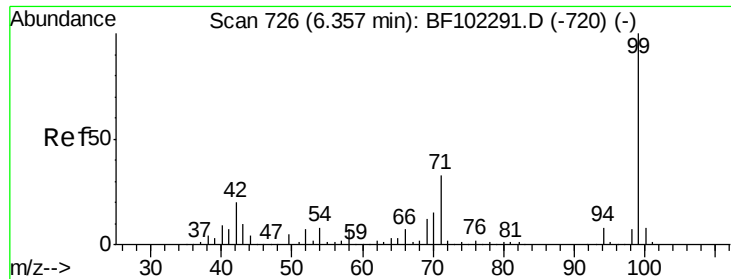


#5

2-Fluorophenol
Concen: 27.255 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.9	71.9
63	28.7	23.7	35.5





#7

Phenol-d6

Concen: 88.498 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

Instrument :

BNA_F

ClientSampleId :

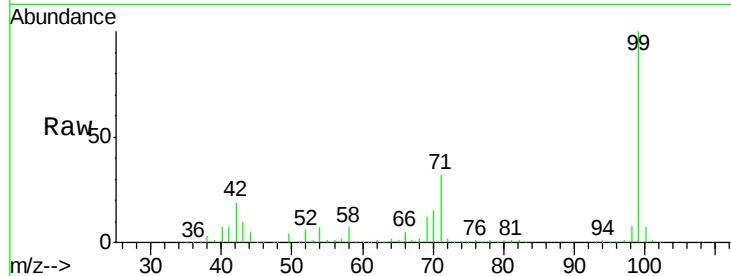
WC-03(0-5)

Tot Ion: 99 Resp: 1023450

Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.5	21.7
71	32.0	25.4	38.0

Manual Integrations
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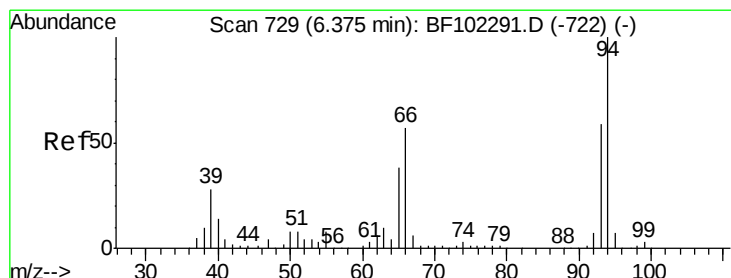
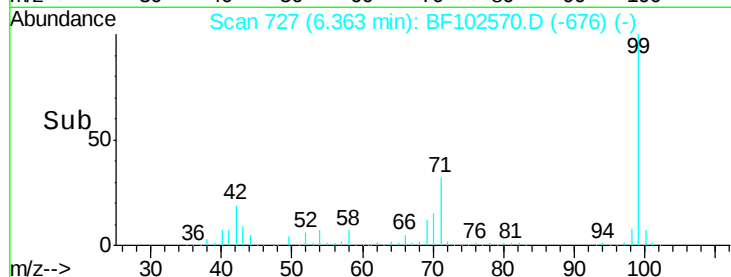
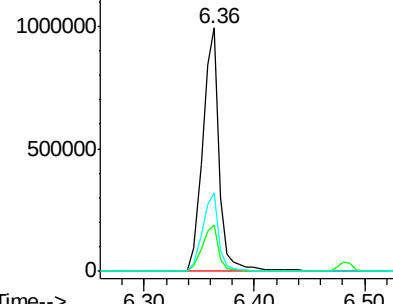
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.703 ng

RT: 6.37 min Scan# 729

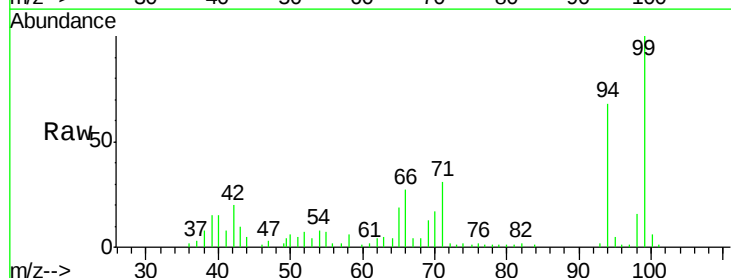
Delta R.T. 0.00 min

Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

Tgt Ion: 94 Resp: 46749

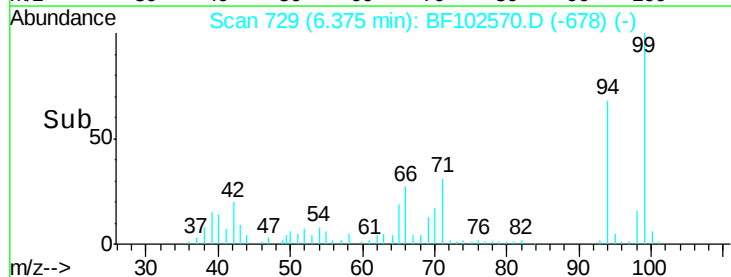
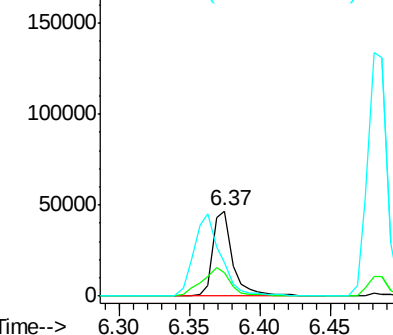
Ion	Ratio	Lower	Upper
94	100		
65	28.0	7.9	47.9
66	39.2	16.2	56.2

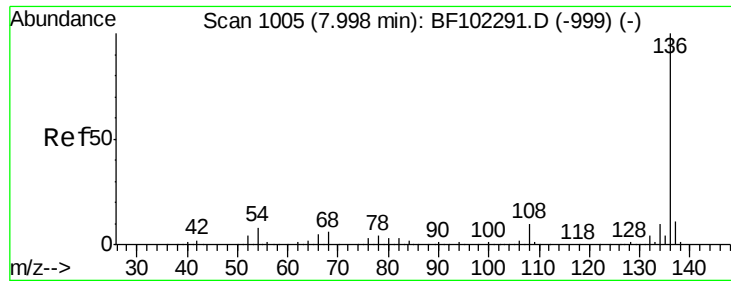


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





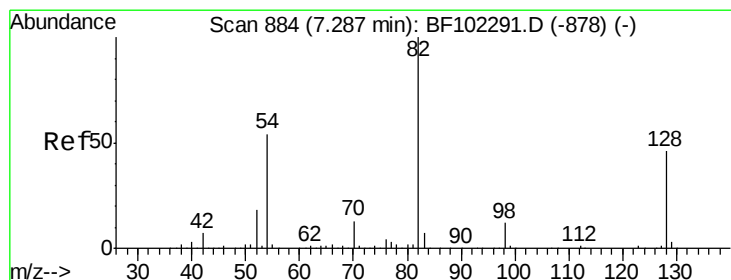
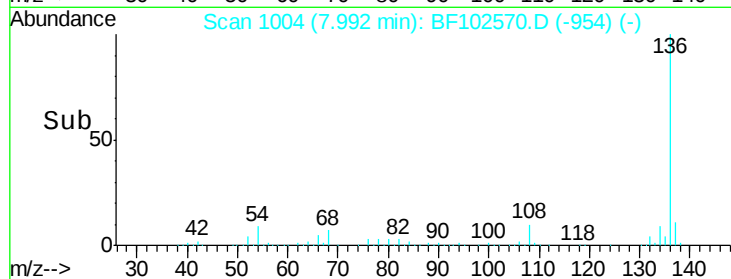
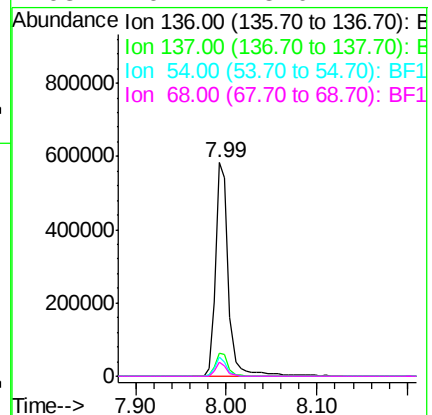
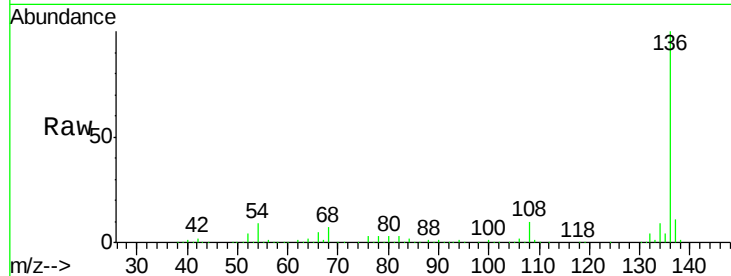
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

Instrument :
BNA_F
ClientSampled :
WC-03(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	585277		
137	11.1	8.9	13.3	
54	9.0	6.6	9.8	
68	6.7	5.0	7.4	

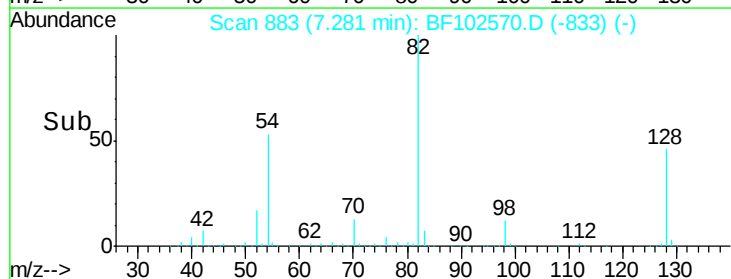
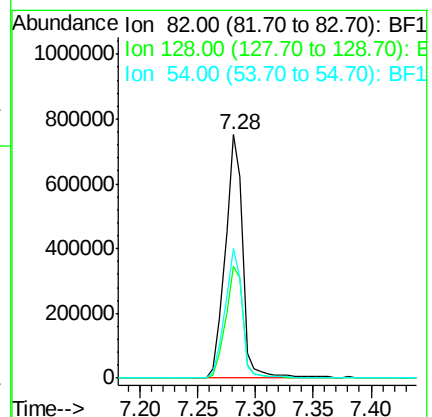
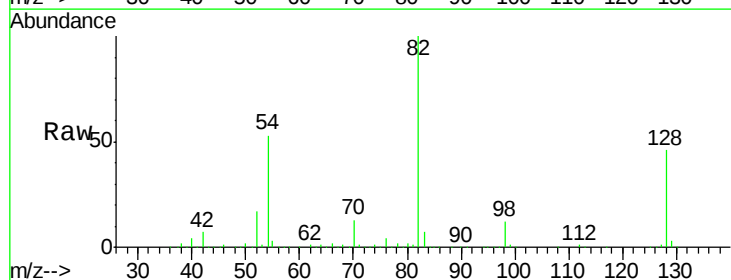
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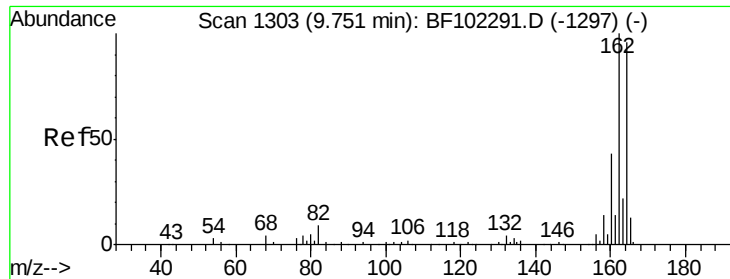
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#23
Nitrobenzene-d5
Concen: 77.533 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	789642		
128	45.8	36.1	54.1	
54	53.4	41.4	62.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

Instrument :

BNA_F

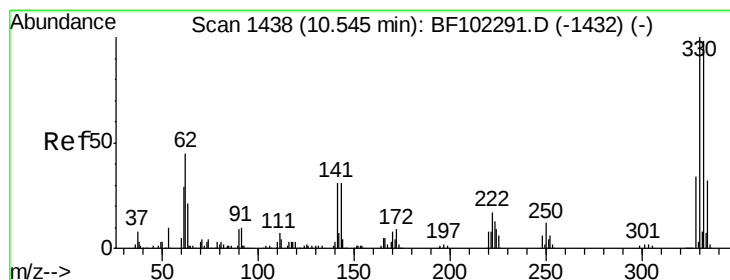
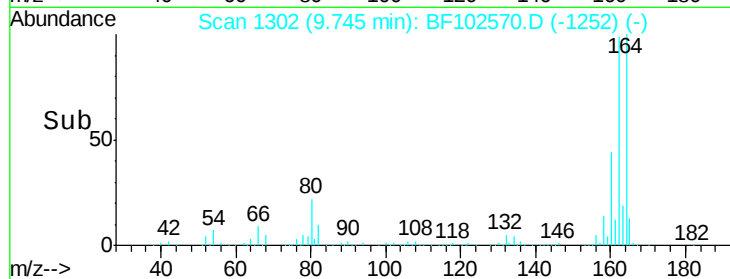
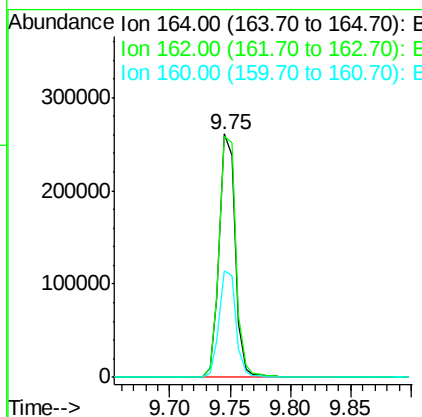
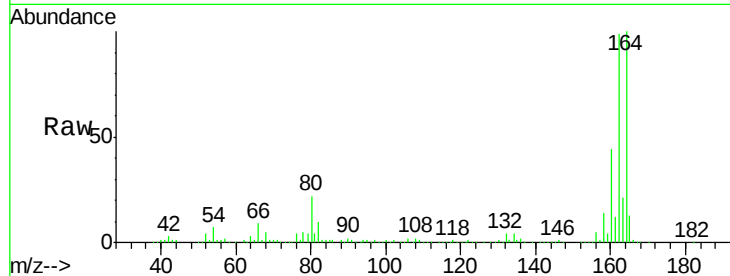
ClientSampleId :

WC-03(0-5)

Tot Ion:	164	Resp:	238855
Ion Ratio	Lower	Upper	
164	100		
162	99.2	86.1	129.1
160	43.6	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 11.713 ng

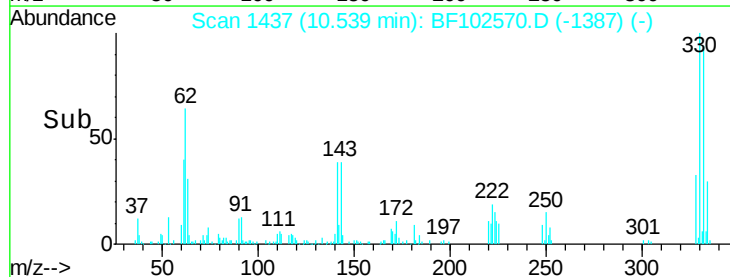
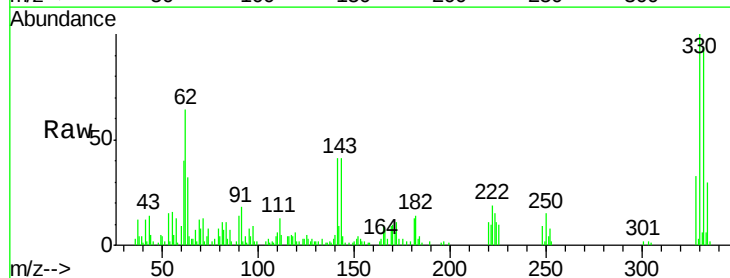
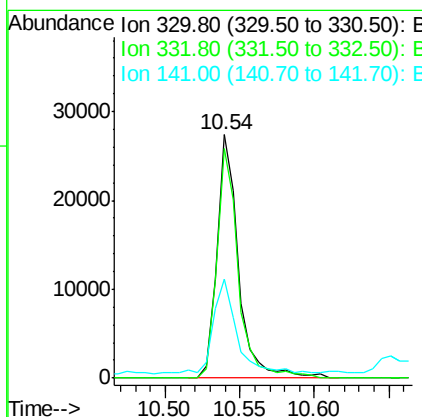
RT: 10.54 min Scan# 1437

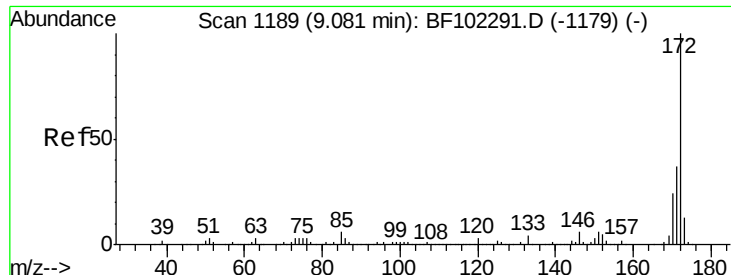
Delta R.T. -0.01 min

Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

Tgt Ion:	330	Resp:	27721
Ion Ratio	Lower	Upper	
330	100		
332	94.0	77.0	115.6
141	44.2	29.9	44.9





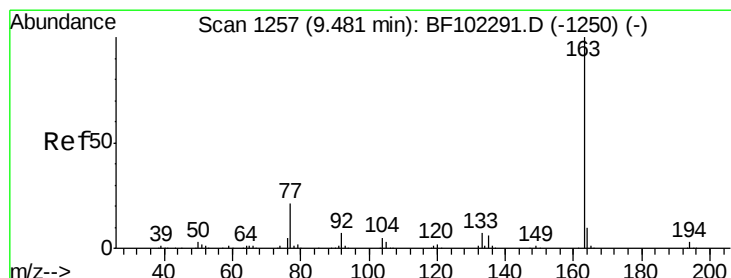
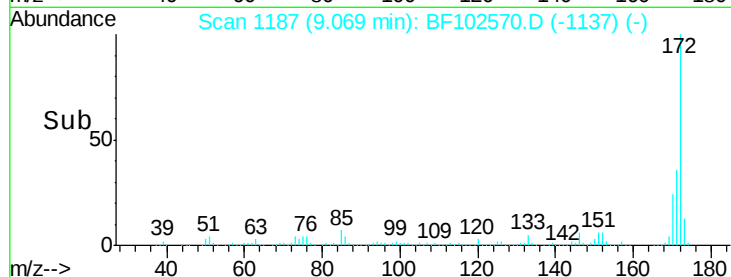
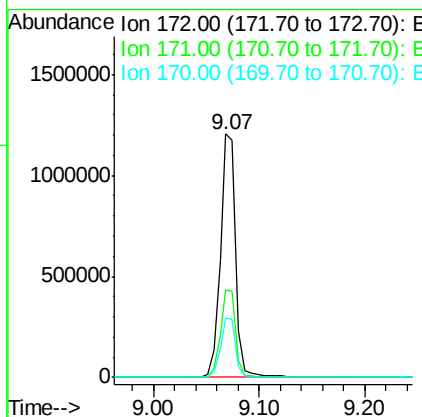
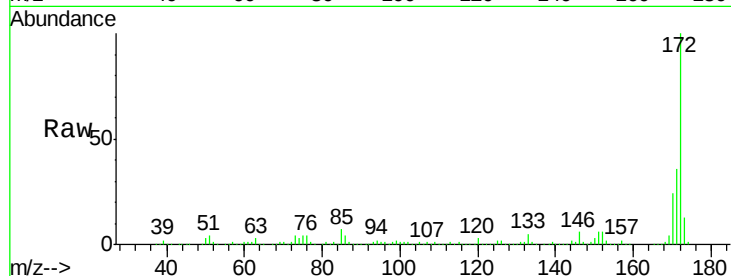
#44
2-Fluorobiphenyl
Concen: 75.325 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

Instrument :
BNA_F
ClientSampleId :
WC-03(0-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.2	19.6	29.4

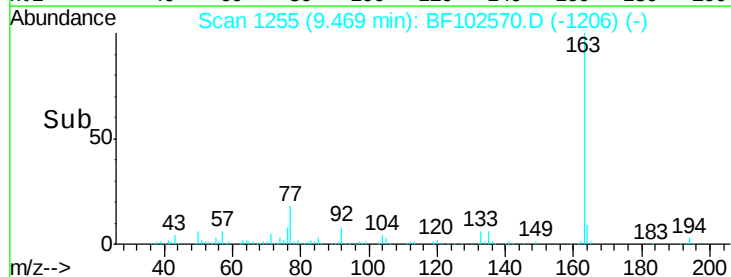
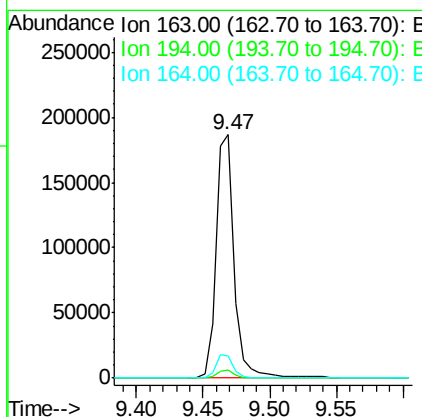
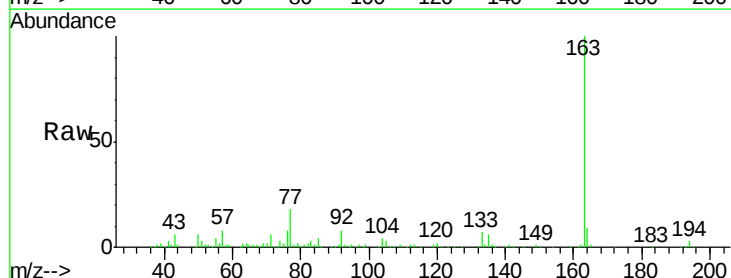
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#49
Dimethylphthalate
Concen: 9.029 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.1	8.2	12.2





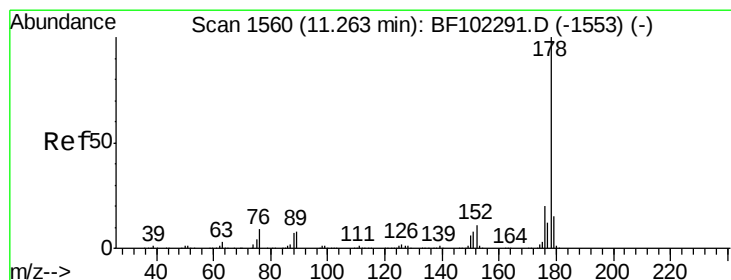
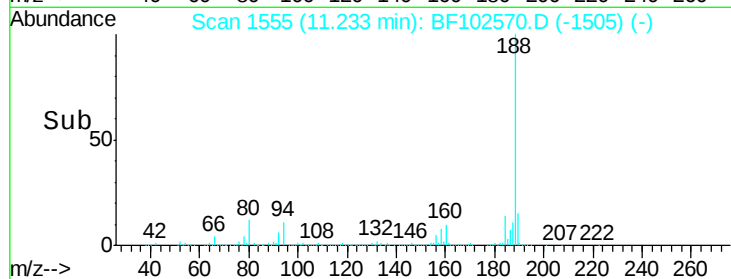
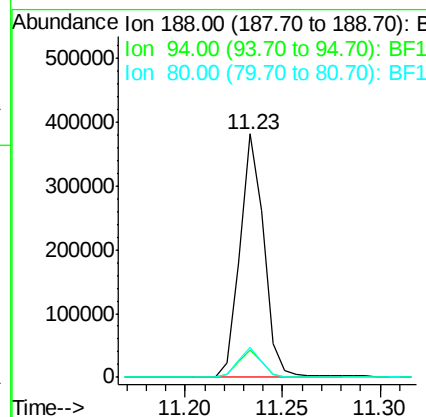
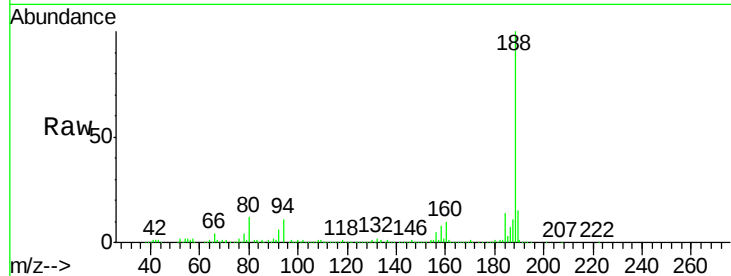
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

Instrument :
BNA_F
ClientSampleId :
WC-03(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	326584		
94	11.2		8.5	12.7
80	12.2		9.2	13.8

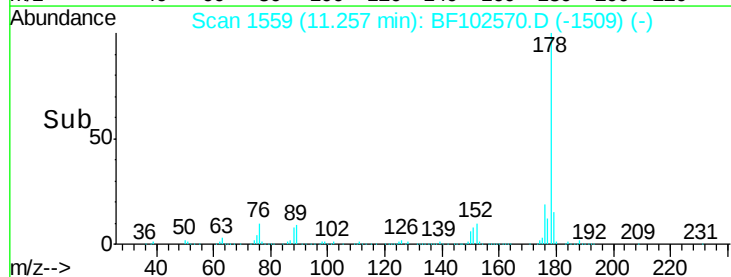
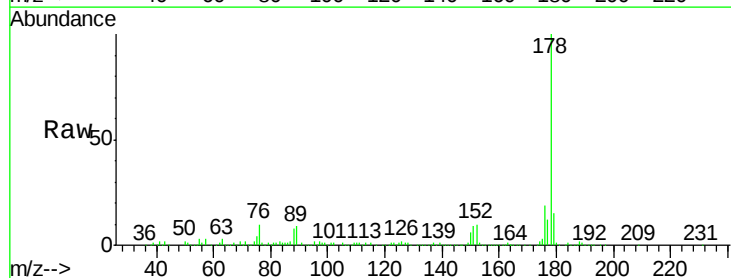
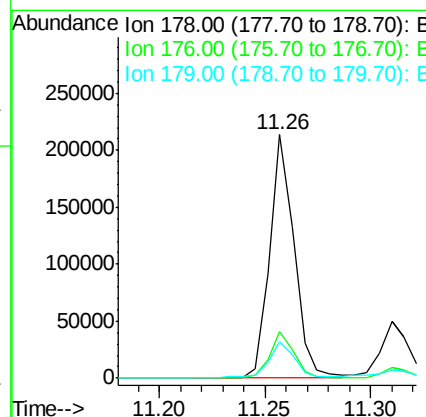
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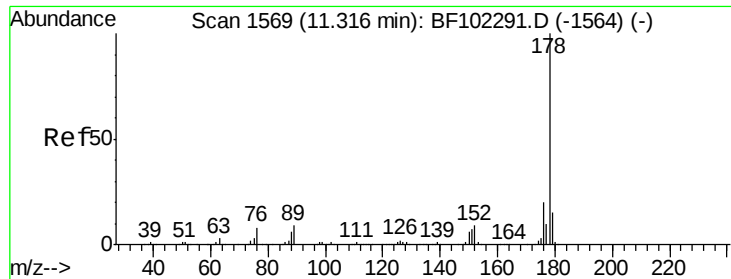
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#70
Phenanthrene
Concen: 9.108 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	173339		
176	19.0		15.8	23.8
179	15.0		13.0	19.6





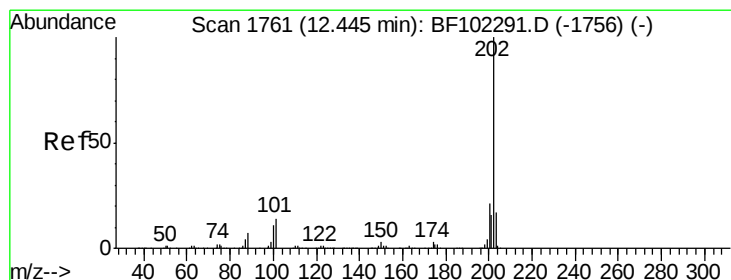
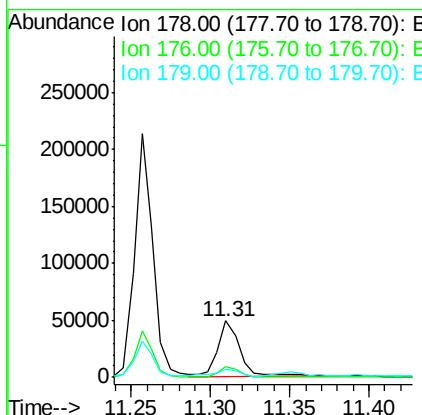
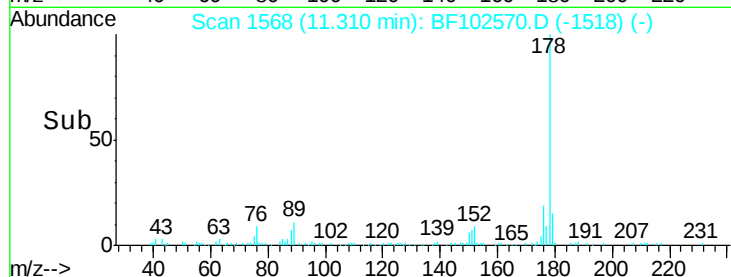
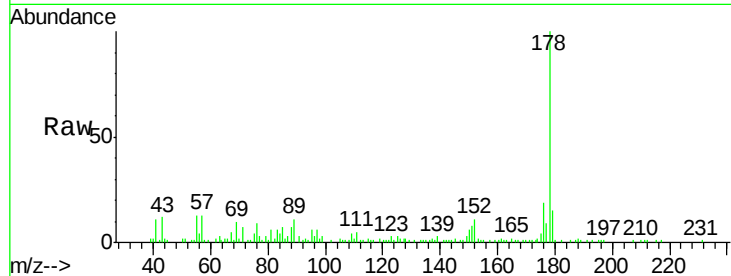
#71
 Anthracene
 Concen: 2.499 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102570.D
 Acq: 28 Jan 2018 21:04

Instrument :
 BNA_F
 ClientSampleId :
 WC-03(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.1	12.6	19.0

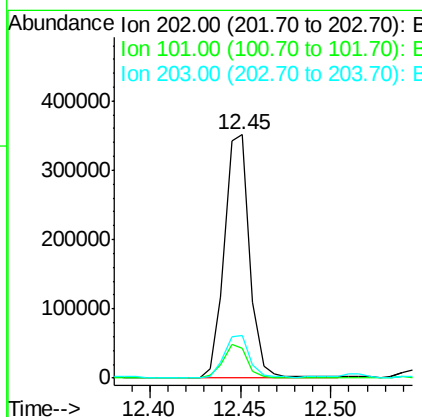
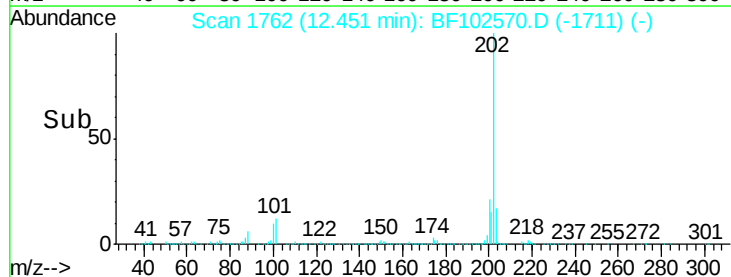
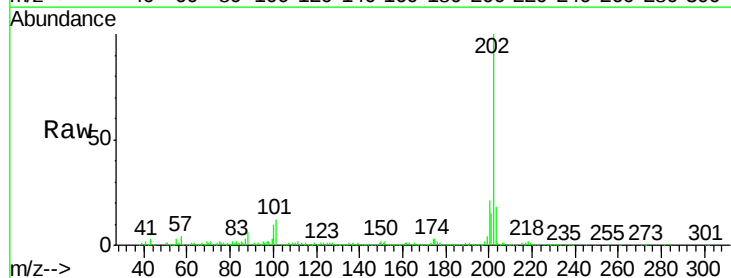
Manual Integrations
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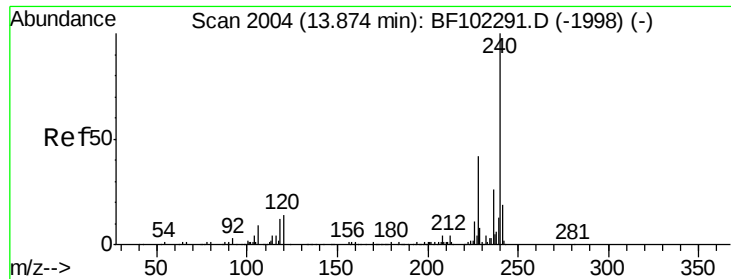
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#74
 Fluoranthene
 Concen: 17.557 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF102570.D
 Acq: 28 Jan 2018 21:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

Instrument :

BNA_F

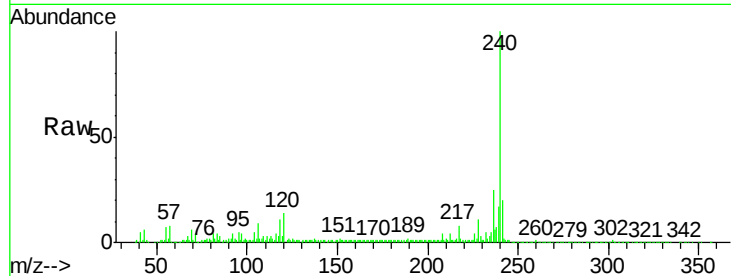
ClientSampleId :

WC-03(0-5)

Tot Ion:	240	Resp:	263280
Ion Ratio	Lower	Upper	
240	100		
120	13.6	9.5	14.3
236	25.3	20.7	31.1

Manual Integrations
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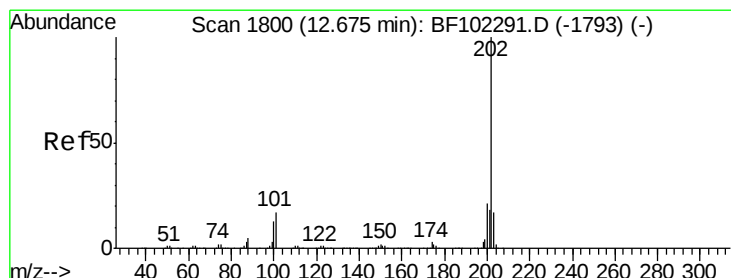
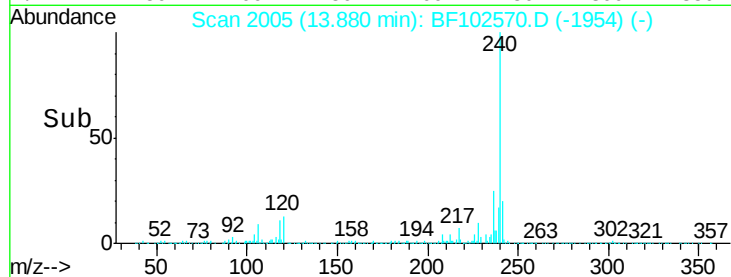
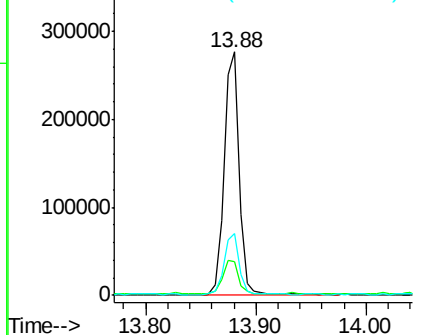
Sohil
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 15.091 ng

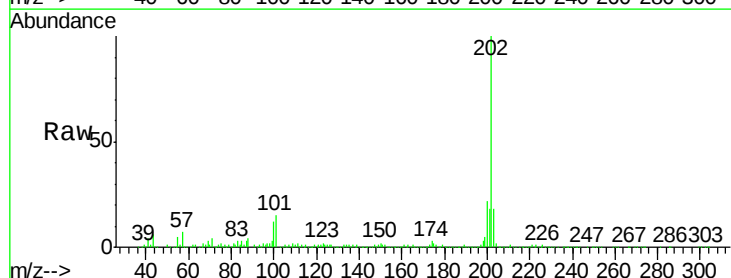
RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

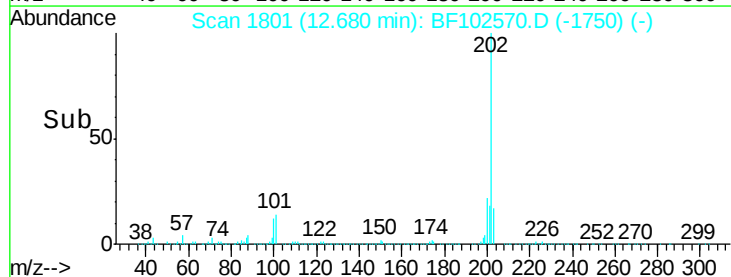
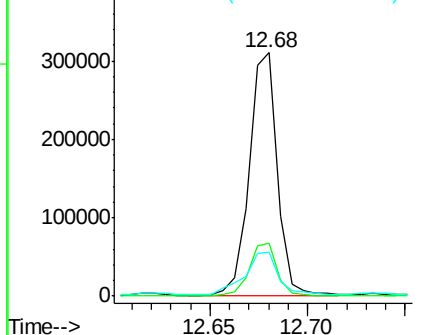
Tgt Ion:	202	Resp:	307182
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	17.9	14.3	21.5

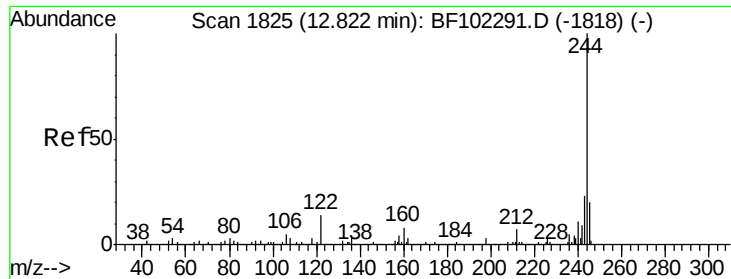


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





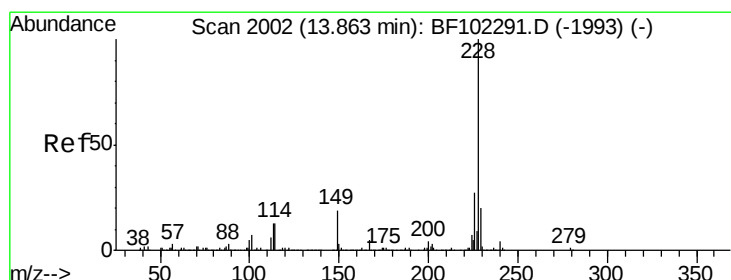
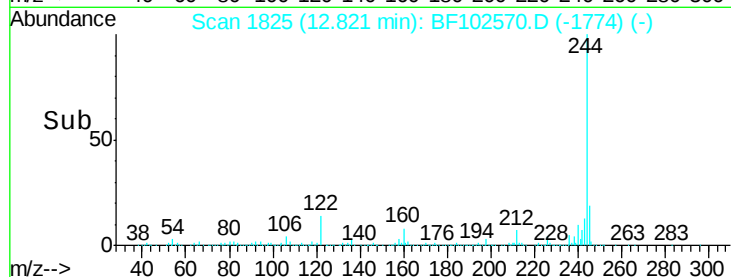
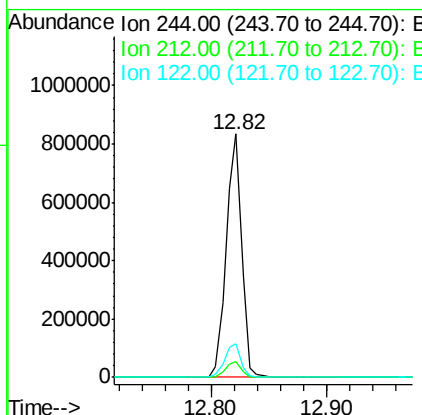
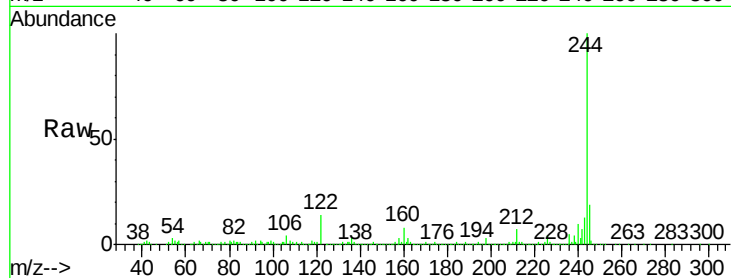
#78
 Terphenyl-d14
 Concen: 66.125 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BF102570.D
 Acq: 28 Jan 2018 21:04

Instrument :
 BNA_F
 ClientSampleId :
 WC-03(0-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	13.8	11.0	16.4

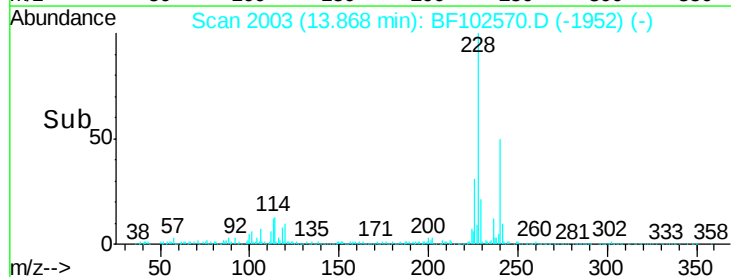
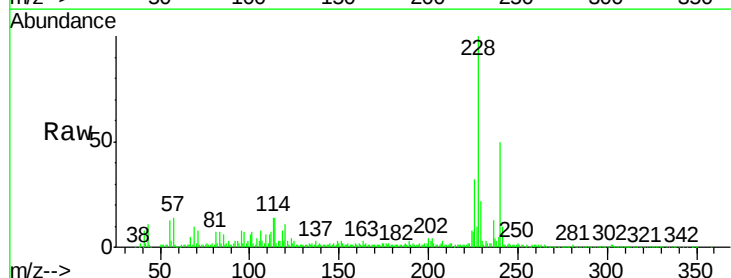
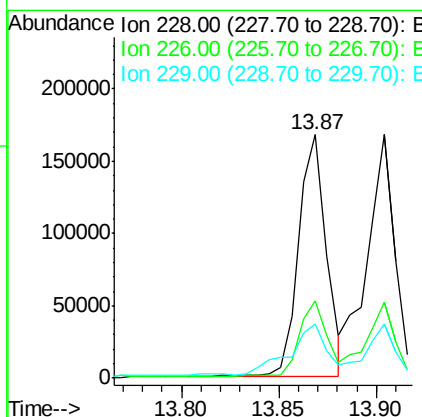
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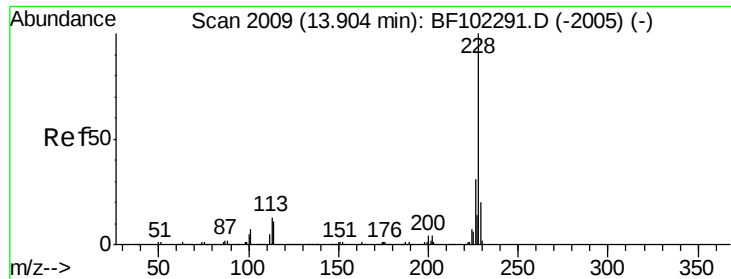
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#80
 Benzo(a)anthracene
 Concen: 10.232 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: BF102570.D
 Acq: 28 Jan 2018 21:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.6	33.8
229	22.3	15.8	23.6





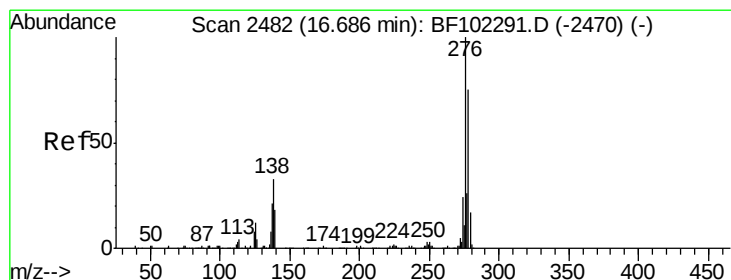
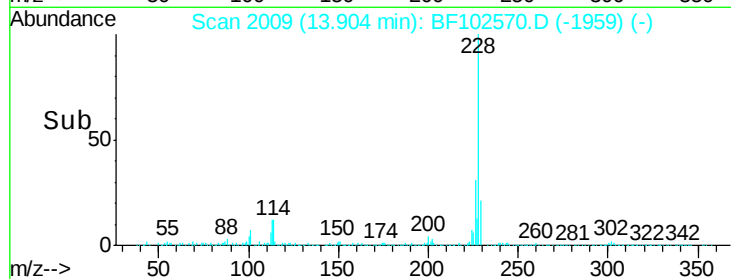
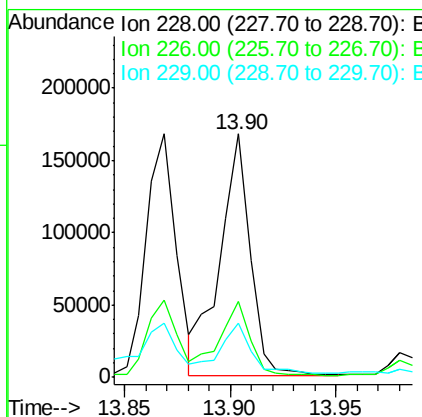
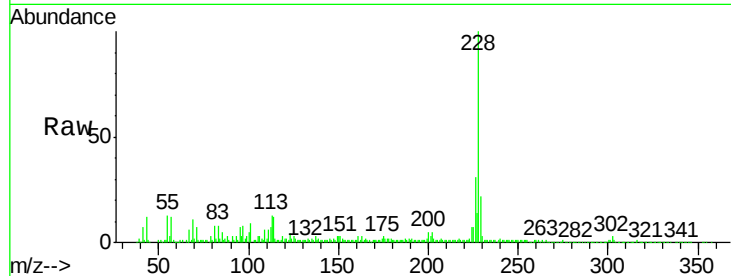
#82
Chrysene
Concen: 10.158 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

Instrument :
BNA_F
ClientSampleId :
WC-03(0-5)

Tot Ion:	228	Resp:	167203
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.6
229	22.1	16.2	24.4

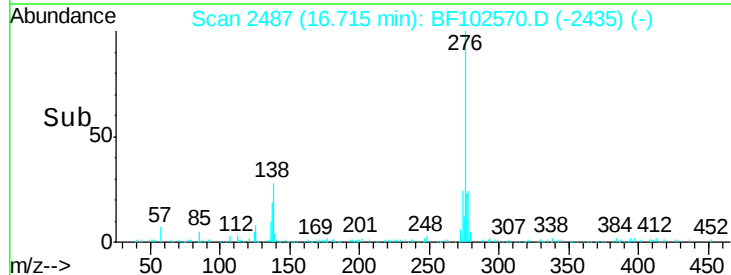
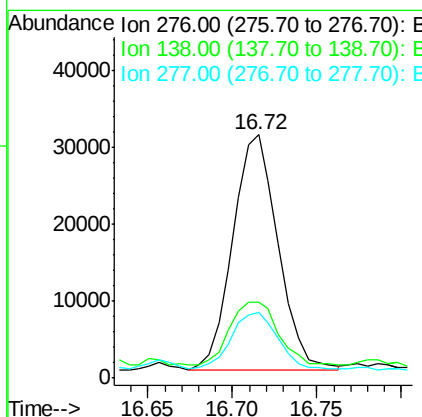
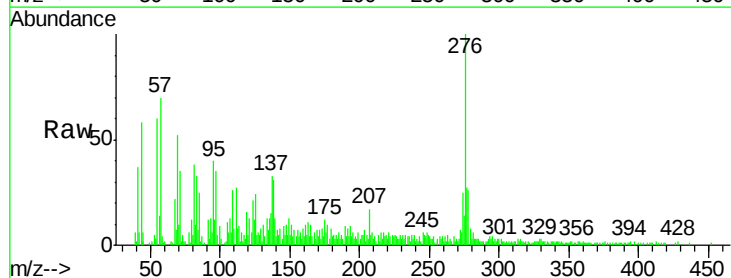
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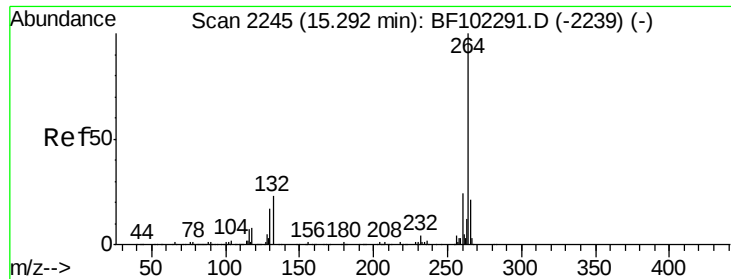
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.166 ng
RT: 16.72 min Scan# 2487
Delta R.T. 0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

Tgt Ion:	276	Resp:	56639
Ion Ratio	Lower	Upper	
276	100		
138	28.2	25.0	37.6
277	24.8	20.1	30.1





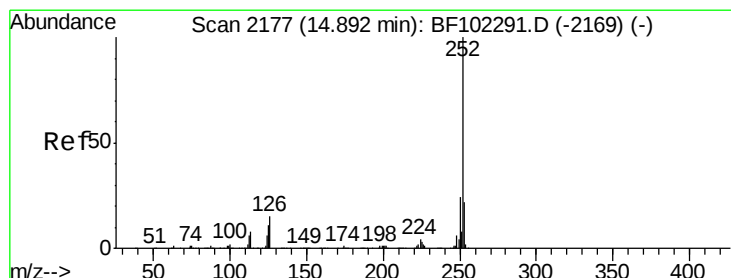
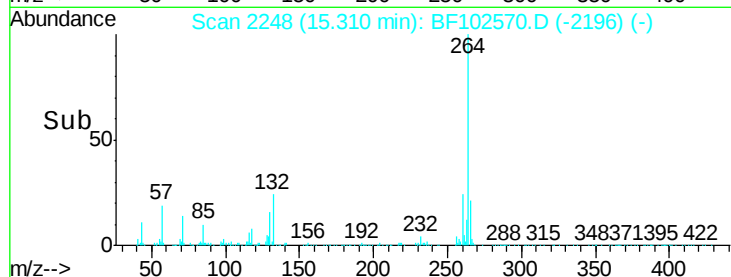
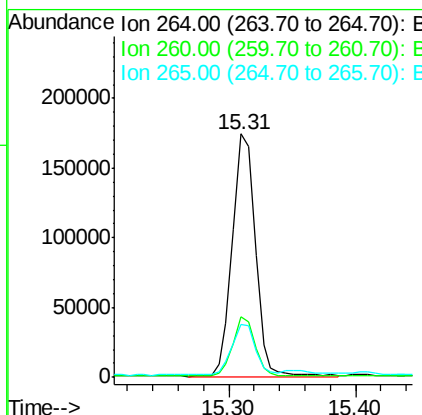
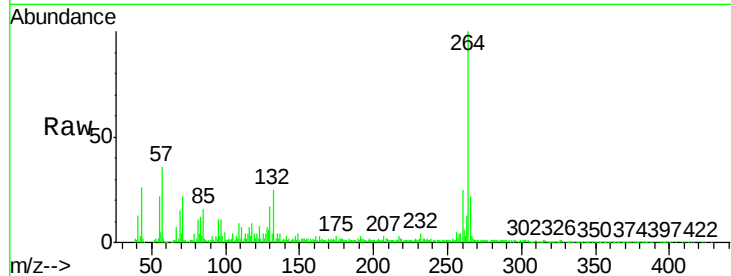
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

Instrument :
BNA_F
ClientSampleId :
WC-03(0-5)

Tot Ion:	264	Resp:	219427
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.2	28.8
265	21.8	17.5	26.3

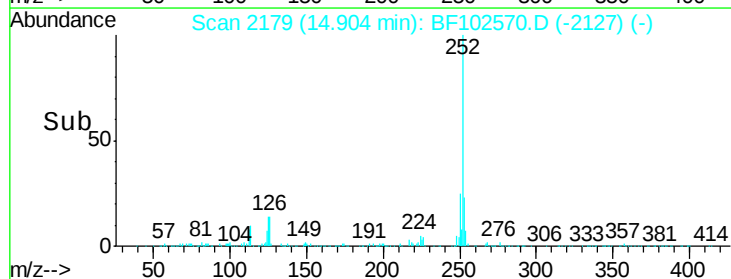
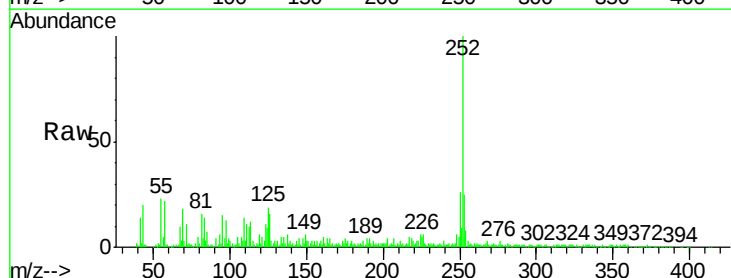
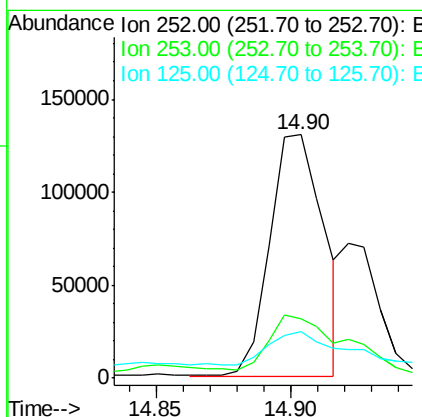
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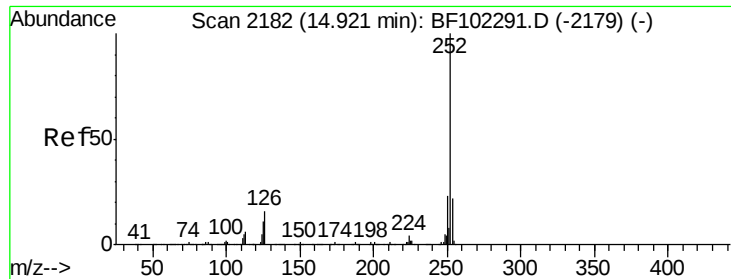
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#87
Benzo(b)fluoranthene
Concen: 12.595 ng m
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102570.D
Acq: 28 Jan 2018 21:04

Tgt Ion:	252	Resp:	179130
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.0	25.6
125	18.9	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 5.204 ng

RT: 14.92 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

Instrument :

BNA_F

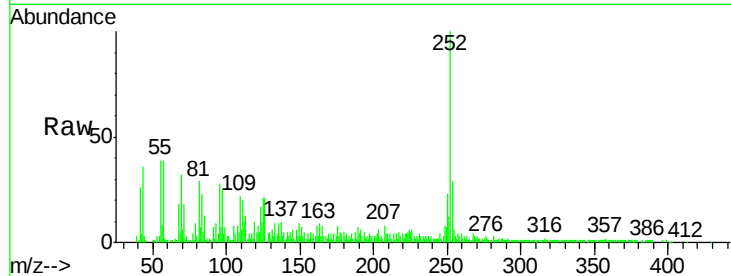
ClientSampleId :

WC-03(0-5)

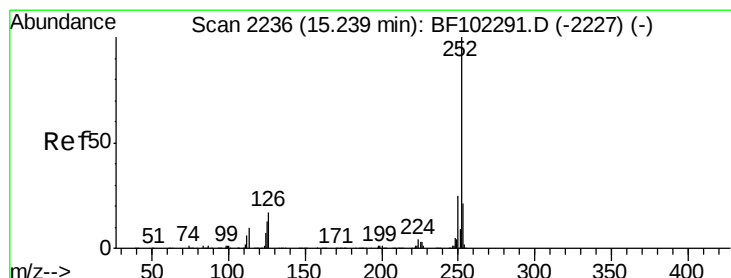
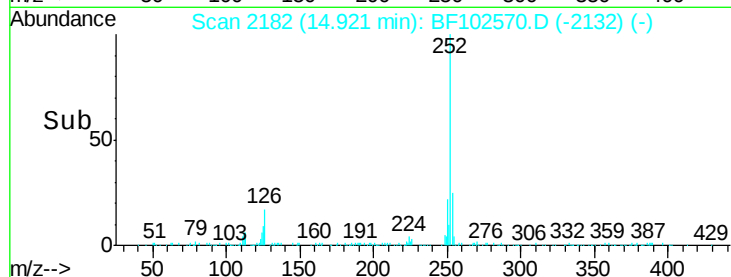
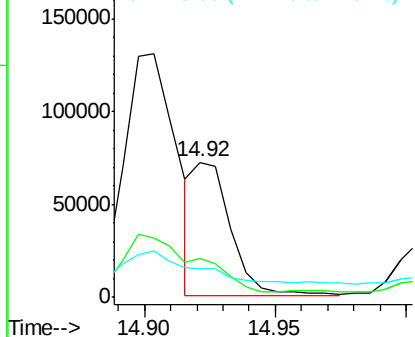
Tot Ion:	252	Resp:	69925
Ion Ratio	Lower	Upper	
252	100		
253	29.1	17.9	26.9#
125	21.3	10.2	15.2#

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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



#89

Benzo(a)pyrene

Concen: 9.462 ng

RT: 15.25 min Scan# 2238

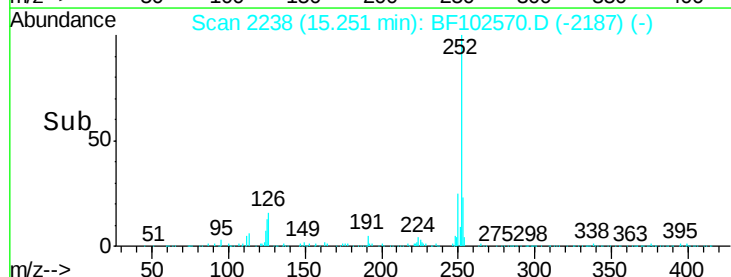
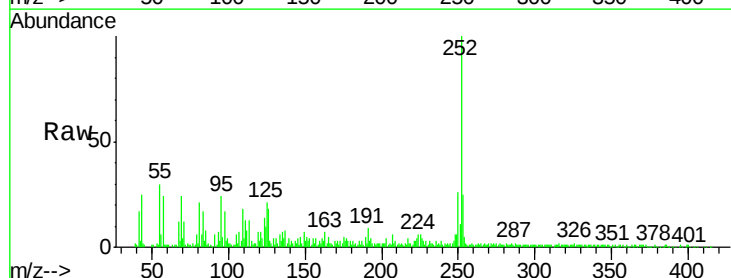
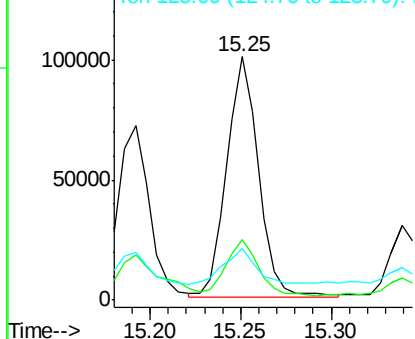
Delta R.T. 0.00 min

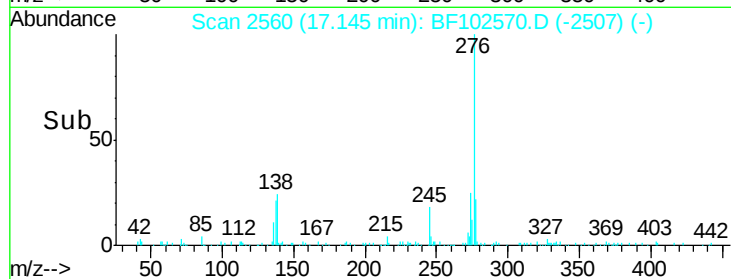
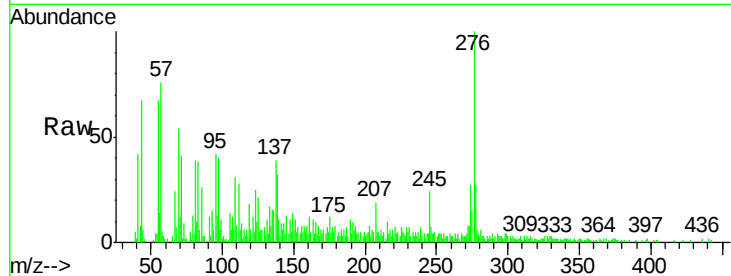
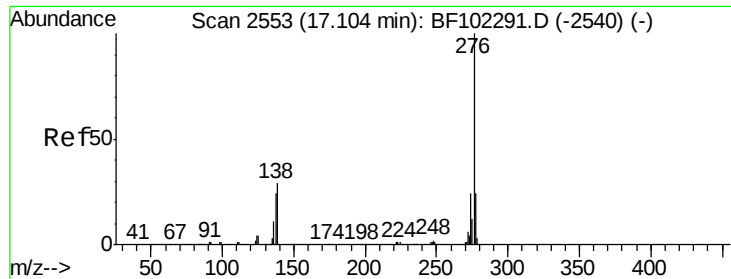
Lab File: BF102570.D

Acq: 28 Jan 2018 21:04

Tgt Ion:	252	Resp:	121363
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.1	25.7
125	21.0	9.8	14.6#

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





#91
 Benzo(a,h,i)perylene
 Concen: 5.209 ng
 RT: 17.14 min Scan# 2560
 Delta R.T. 0.01 min
 Lab File: BF102570.D
 Acq: 28 Jan 2018 21:04

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.9	26.9#
138	32.4	21.8	32.8

Instrument :
 BNA_F
 ClientSampleId :
 WC-03(0-5)

Manual Integrations
 APPROVED

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