

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102571.D
 Acq On : 28 Jan 2018 21:31
 Operator : SJ/JU
 Sample : J1253-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-07(5-15)

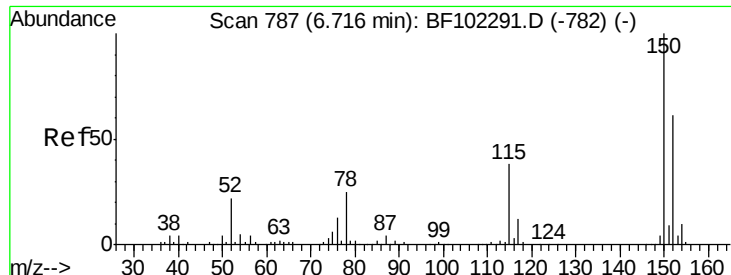
Manual Integrations
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 1/29/2018 5:48:31 PM

Quant Time: Jan 29 04:55:48 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	167449	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	659520	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	260192	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	361684	20.00	ng	0.00
75) Chrysene-d12	13.88	240	282830	20.00	ng	0.00
86) Perylene-d12	15.32	264	219055	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1190099	107.76	ng	0.01
7) Phenol-d6	6.37	99	1431796	107.54	ng	0.00
23) Nitrobenzene-d5	7.29	82	893362	77.84	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	202250	78.45	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1111799	62.83	ng	0.00
78) Terphenyl-d14	12.82	244	690792	55.06	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.37	94	59627	4.102	ng	89
49) Dimethylphthalate	9.47	163	236790	11.010	ng	98
51) Acenaphthene	9.78	154	47942	2.914	ng	97
57) Fluorene	10.30	166	64521	3.656	ng	95
70) Phenanthrene	11.26	178	740952	35.156	ng	99
71) Anthracene	11.31	178	207078	9.626	ng	98
72) Carbazole	11.47	167	47371	2.257	ng	97
74) Fluoranthene	12.45	202	946100	44.020	ng	98
77) Pyrene	12.68	202	931203	42.584	ng	100
80) Benzo(a)anthracene	13.87	228	481441	27.648	ng	98
82) Chrysene	13.91	228	434752	24.586	ng	99
85) Indeno(1,2,3-cd)pyrene	16.72	276	131521	9.006	ng	97
87) Benzo(b)fluoranthene	14.90	252	402551m	28.353	ng	
88) Benzo(k)fluoranthene	14.93	252	131168m	9.778	ng	
89) Benzo(a)pyrene	15.26	252	284324	22.204	ng	# 96
90) Dibenzo(a,h)anthracene	16.72	278	38360	3.698	ng	# 78
91) Benzo(g,h,i)perylene	17.14	276	128380	12.535	ng	93

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



#1

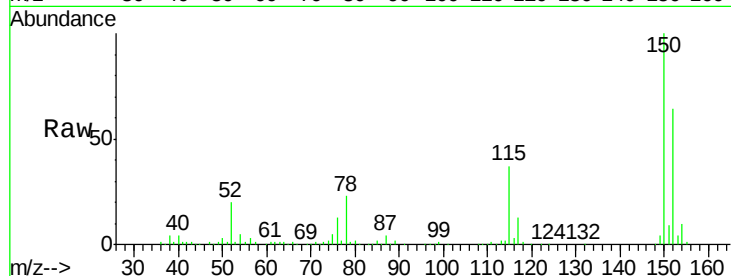
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Instrument :
BNA_F
ClientSampleId :
WC-07(5-15)

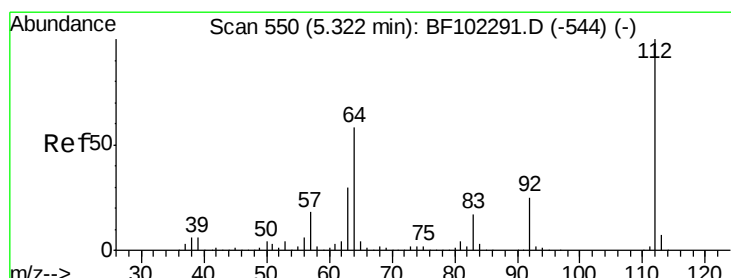
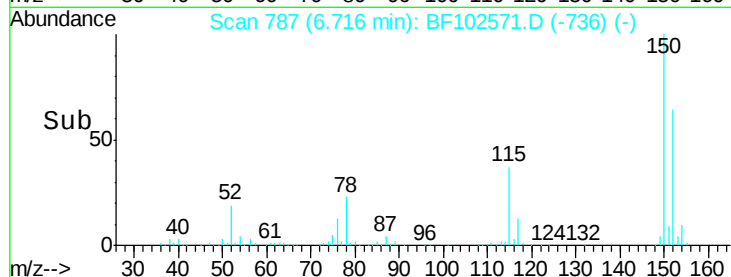
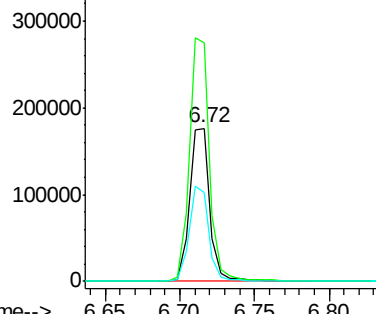
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	58.4	50.1	75.1

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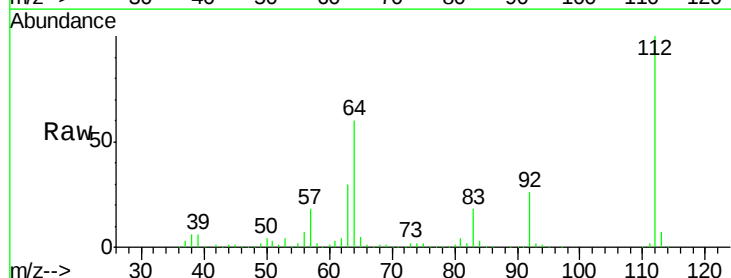
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



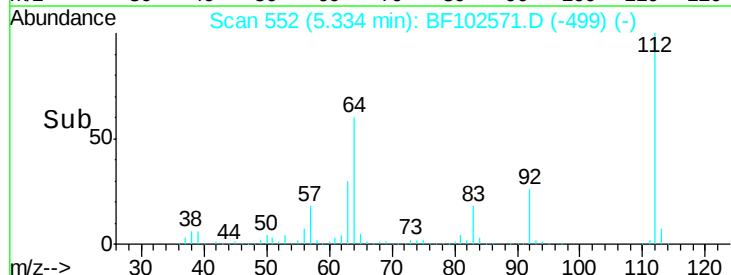
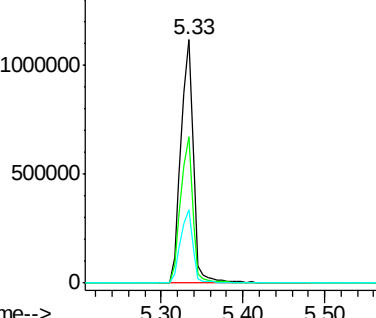
#5

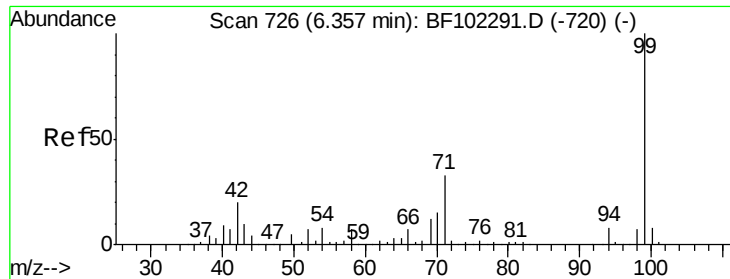
2-Fluorophenol
Concen: 107.764 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.9	71.9
63	30.3	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 107.541 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102571.D

Acq: 28 Jan 2018 21:31

Instrument :

BNA_F

ClientSampleId :

WC-07(5-15)

Tot Ion: 99 Resp: 1431796

Ion Ratio Lower Upper

99 100

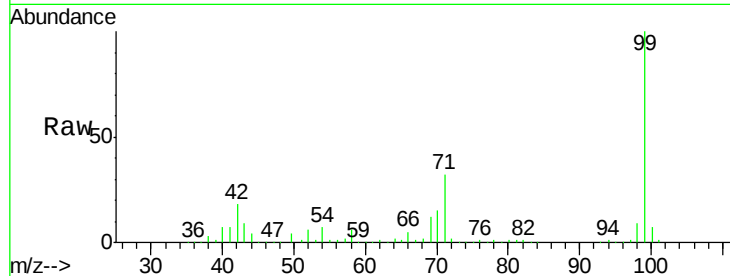
42 18.2 14.5 21.7

71 32.5 25.4 38.0

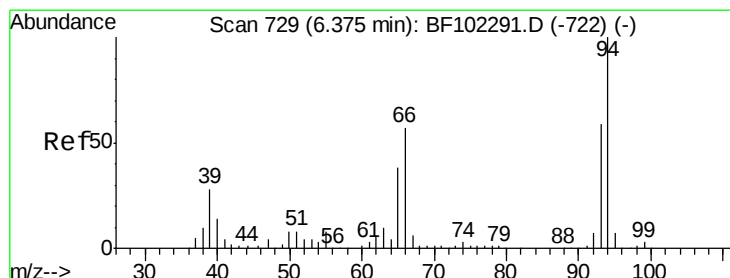
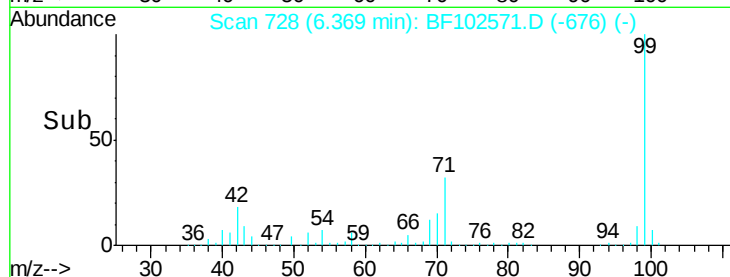
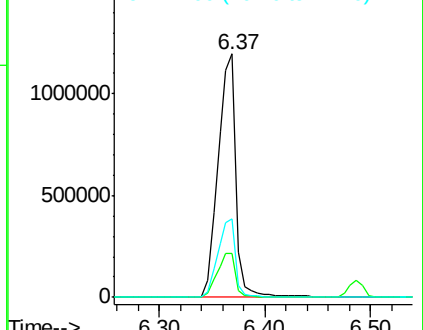
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.102 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102571.D

Acq: 28 Jan 2018 21:31

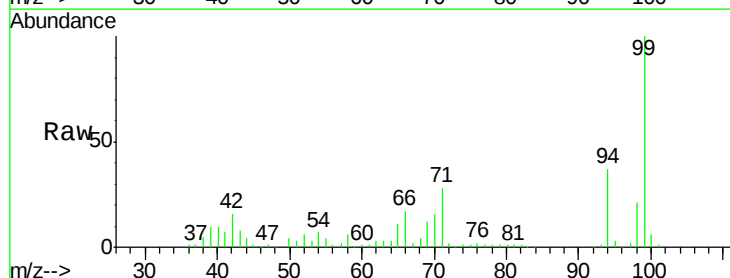
Tgt Ion: 94 Resp: 59627

Ion Ratio Lower Upper

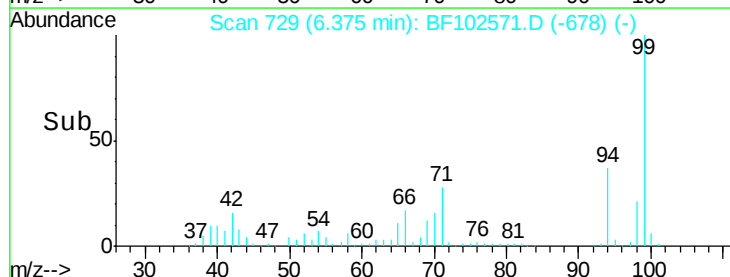
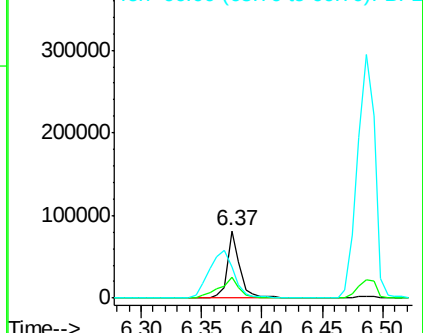
94 100

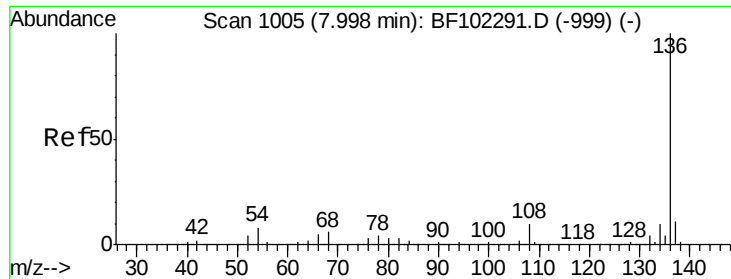
65 30.7 7.9 47.9

66 45.3 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





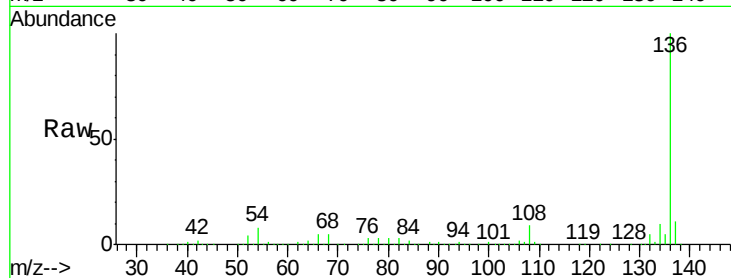
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Instrument :
BNA_F
ClientSampleId :
WC-07(5-15)

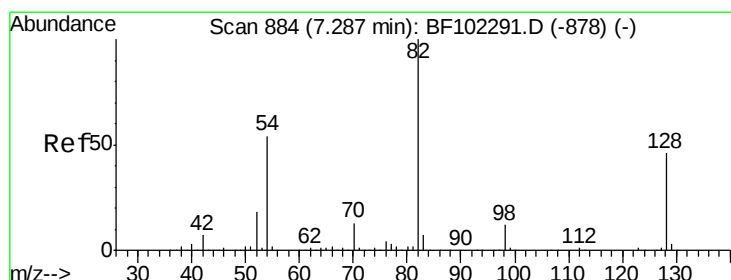
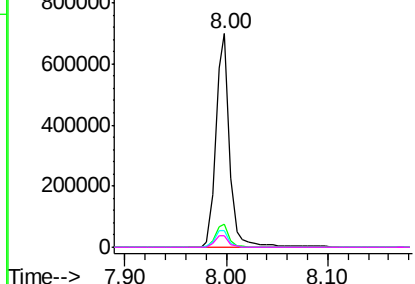
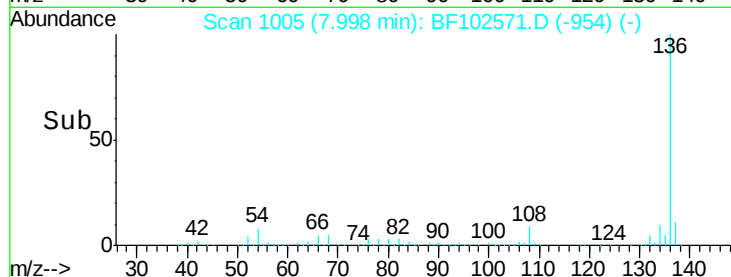
Tot Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.7	6.6	9.8
68	5.5	5.0	7.4

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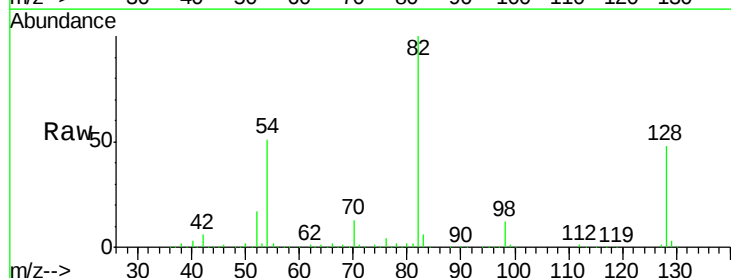


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

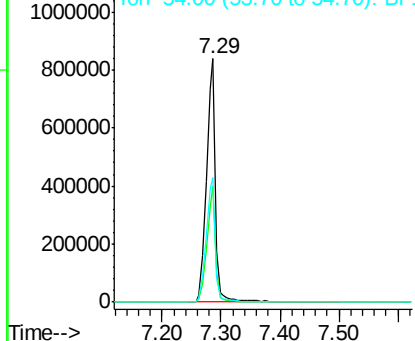
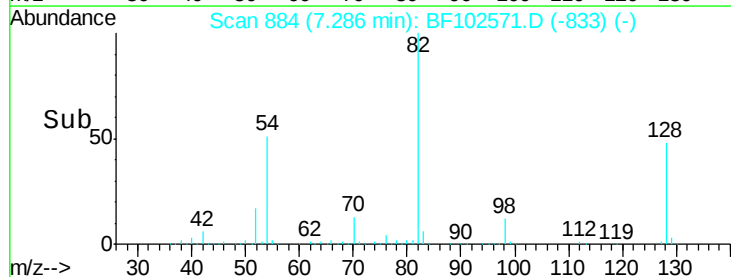


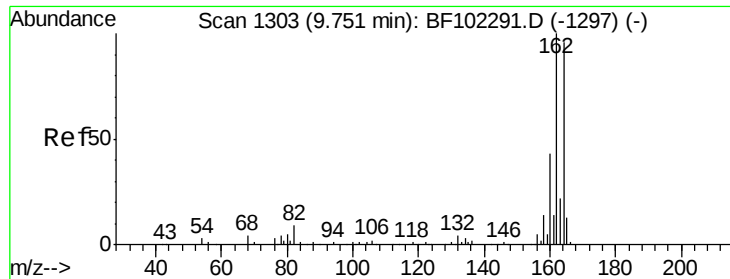
#23
Nitrobenzene-d5
Concen: 77.843 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.1	54.1
54	51.2	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





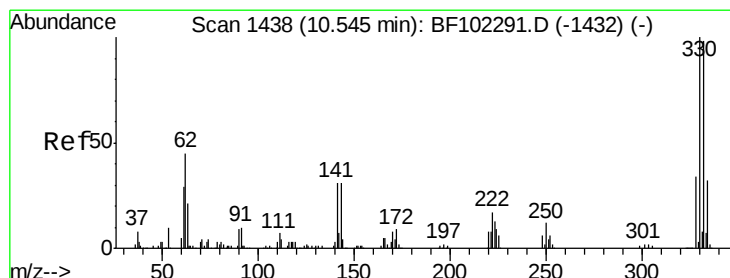
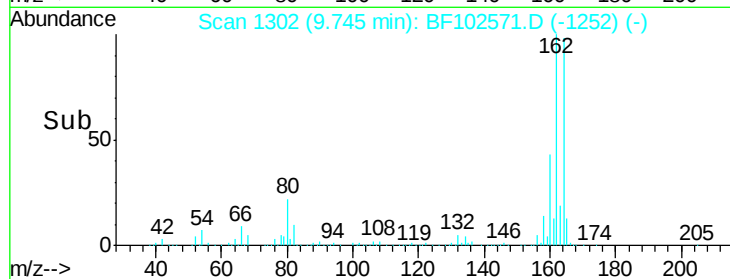
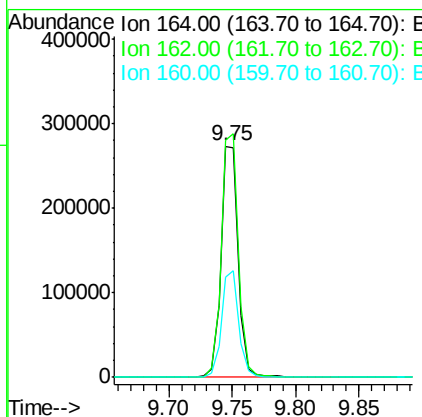
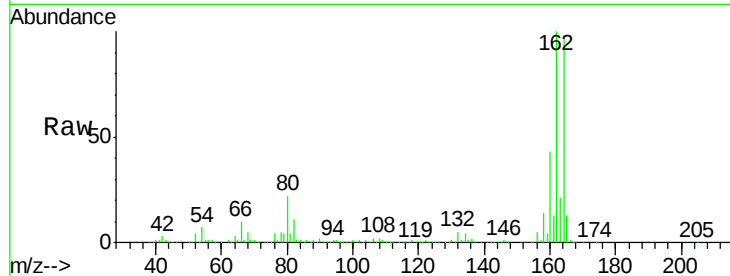
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102571.D
 Acq: 28 Jan 2018 21:31

Instrument :
 BNA_F
 ClientSampleId :
 WC-07(5-15)

Tot Ion:	164	Resp:	260192
Ion Ratio	Lower	Upper	
164	100		
162	102.4	86.1	129.1
160	43.6	38.3	57.5

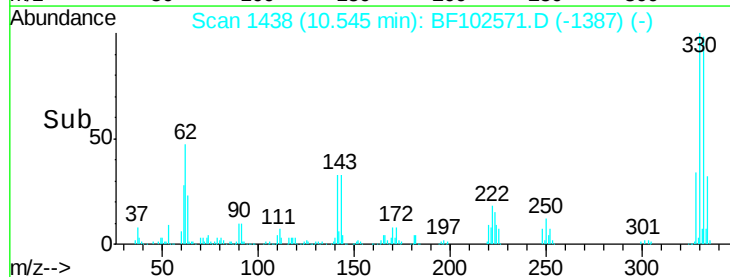
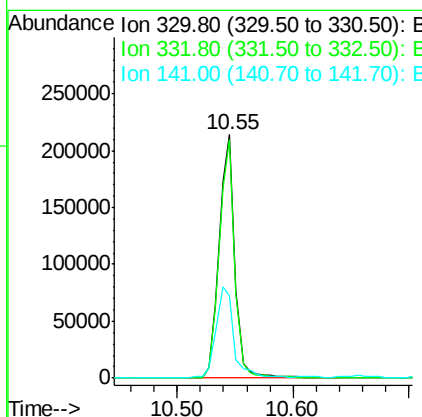
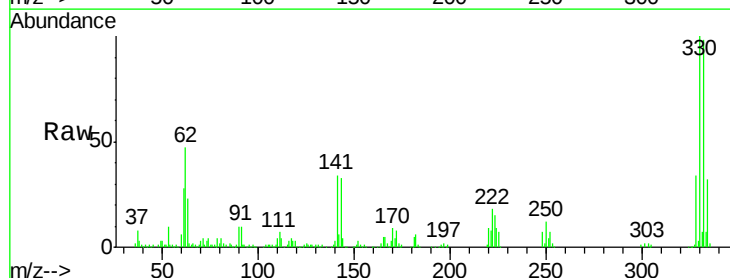
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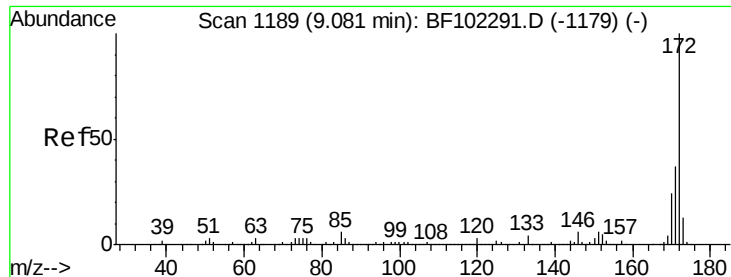
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#41
 2,4,6-Tribromophenol
 Concen: 78.448 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102571.D
 Acq: 28 Jan 2018 21:31

Tgt Ion:	330	Resp:	202250
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.0	115.6
141	41.4	29.9	44.9





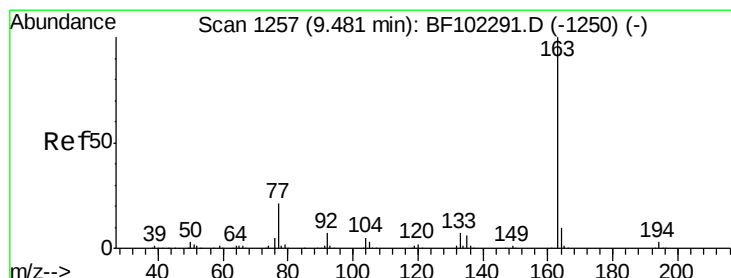
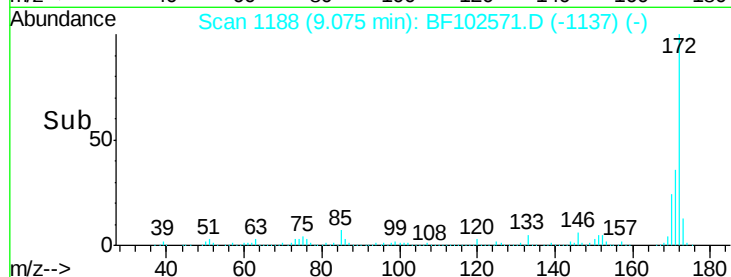
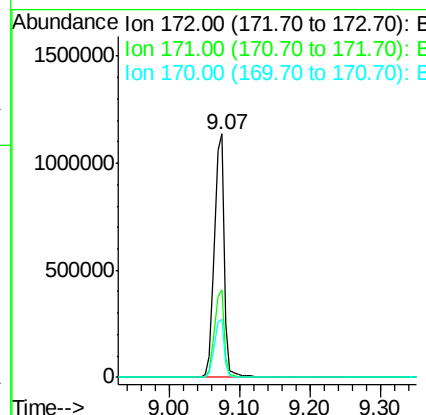
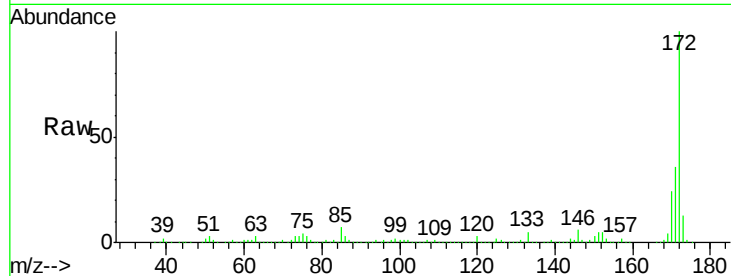
#44
2-Fluorobiphenyl
Concen: 62.828 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.00 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Instrument :
BNA_F
ClientSampleId :
WC-07(5-15)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.8	19.6	29.4

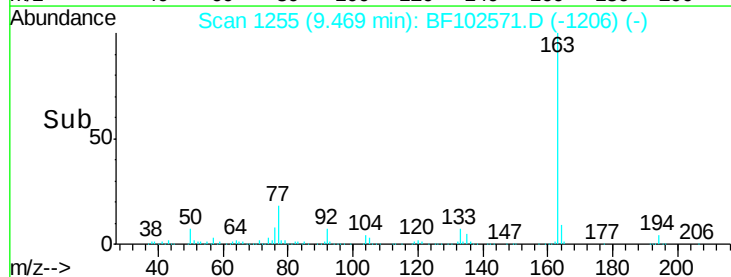
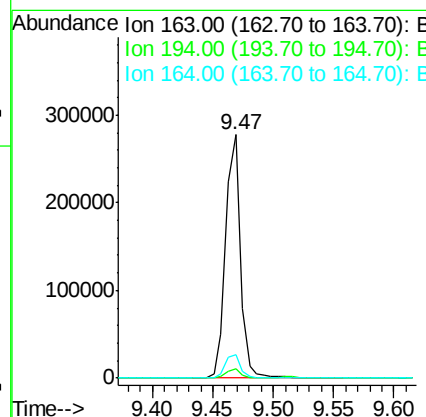
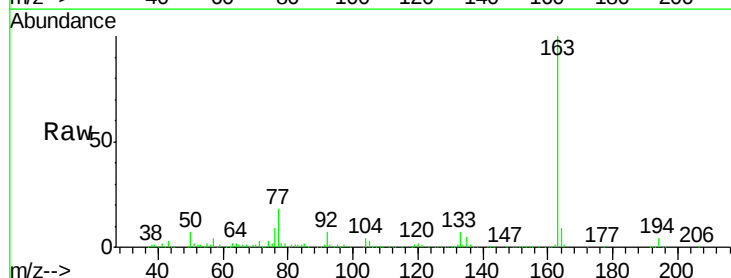
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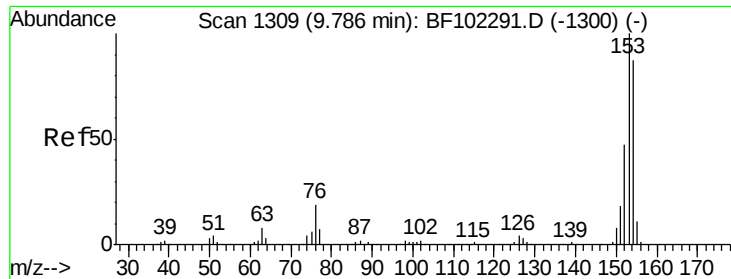
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#49
Dimethylphthalate
Concen: 11.010 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.4	8.2	12.2





#51

Acenaphthene

Concen: 2.914 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102571.D

Acq: 28 Jan 2018 21:31

Instrument :

BNA_F

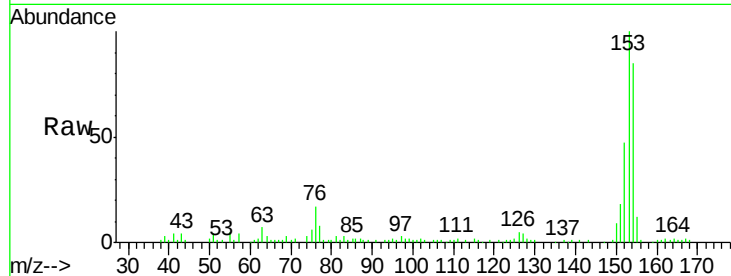
ClientSampleId :

WC-07(5-15)

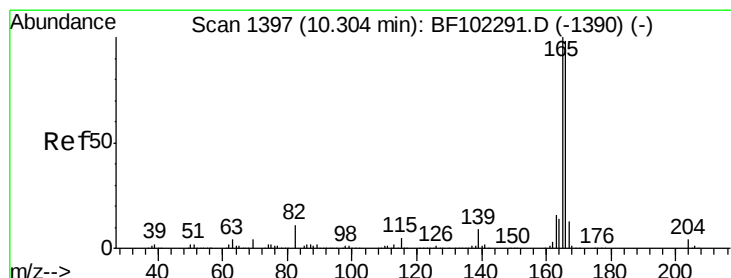
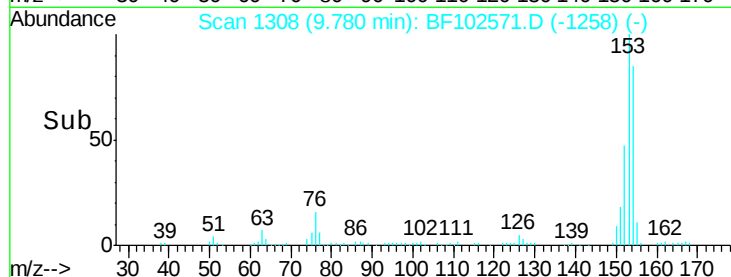
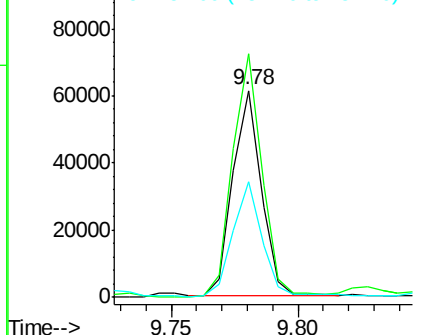
Tot Ion:	154	Resp:	47942
Ion Ratio	Lower	Upper	
154	100		
153	117.6	91.2	136.8
152	55.7	43.8	65.8

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



#57

Fluorene

Concen: 3.656 ng

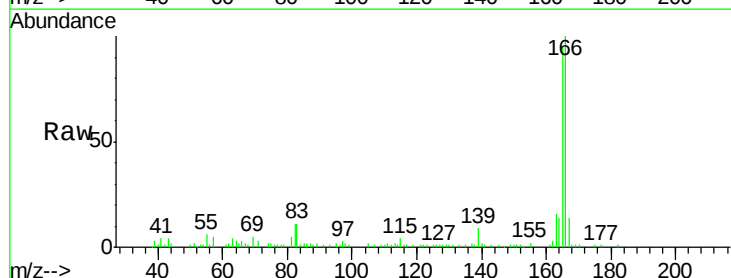
RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

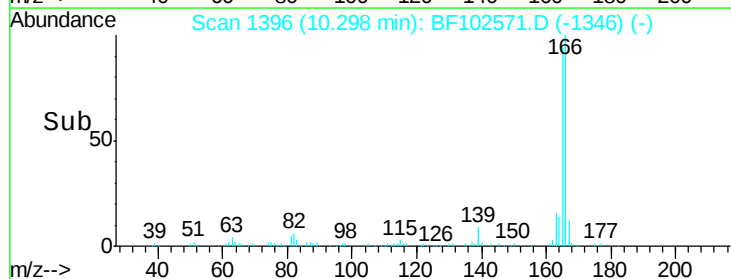
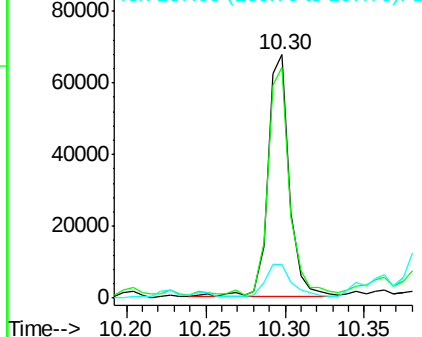
Lab File: BF102571.D

Acq: 28 Jan 2018 21:31

Tgt Ion:	166	Resp:	64521
Ion Ratio	Lower	Upper	
166	100		
165	94.7	79.8	119.8
167	13.8	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





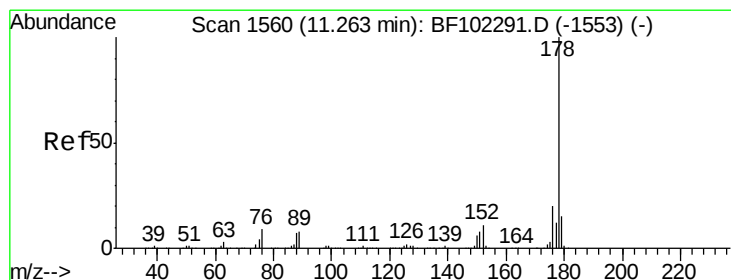
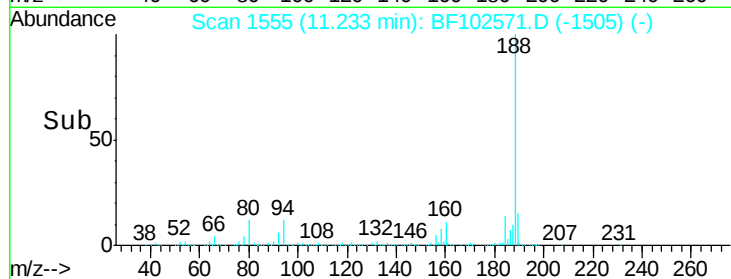
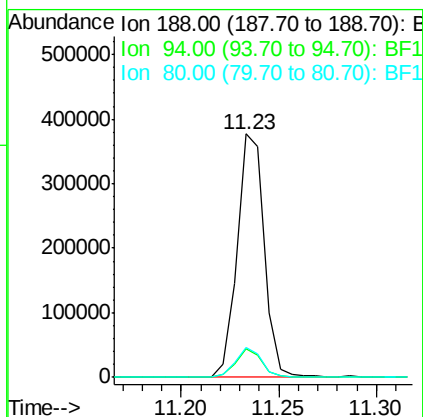
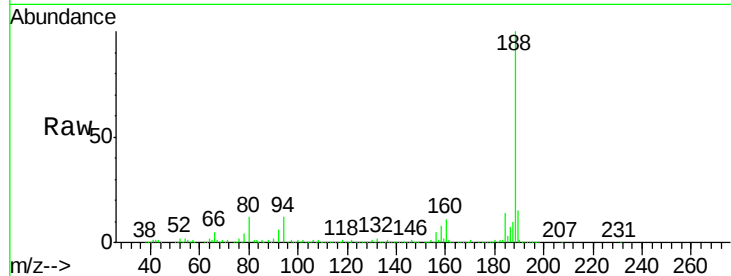
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Instrument :
BNA_F
ClientSampled :
WC-07(5-15)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	361684		
94	11.7	8.5	12.7	
80	12.3	9.2	13.8	

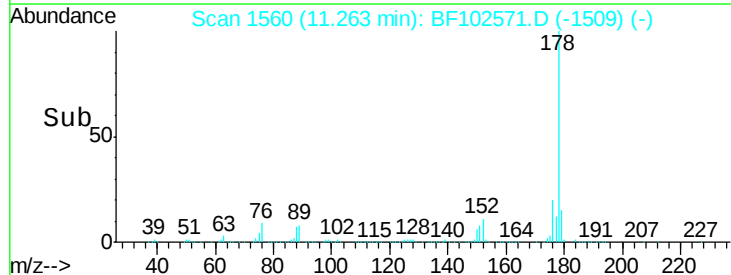
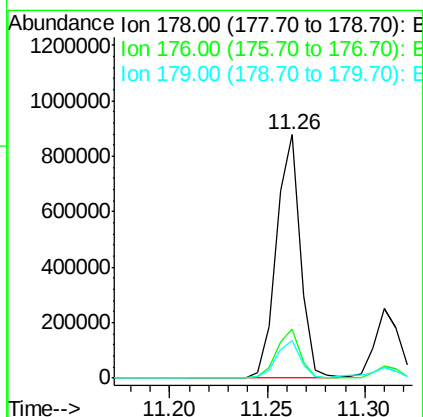
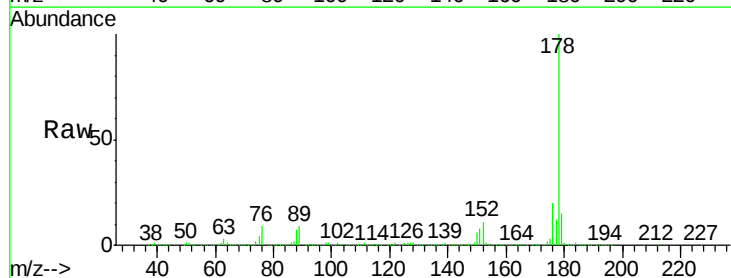
Manual Integrations
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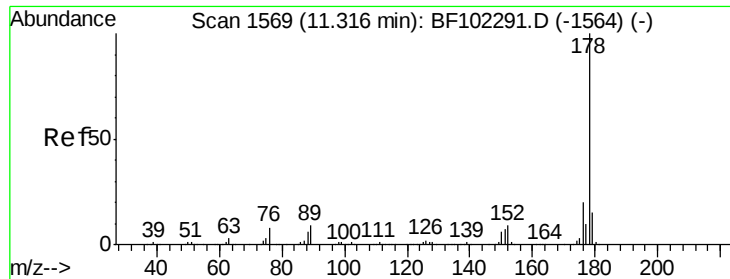
Sohil
1/29/2018 5:48:31 PM



#70
Phenanthrene
Concen: 35.156 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	740952		
176	20.2	15.8	23.8	
179	15.5	13.0	19.6	





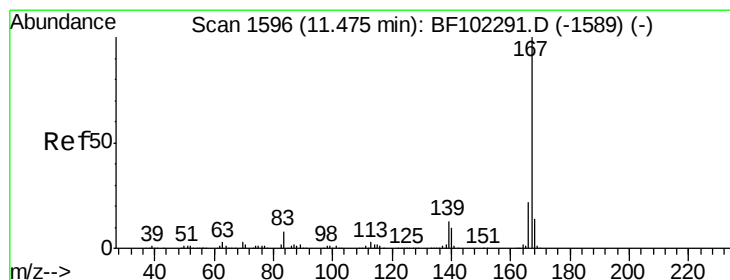
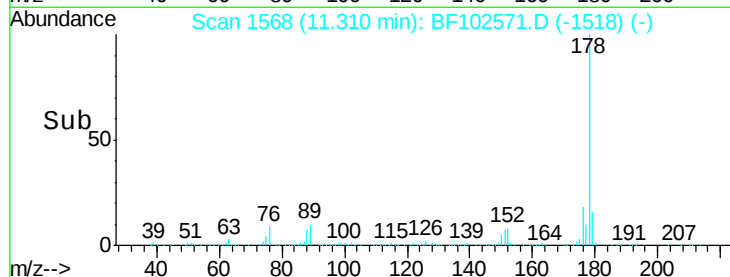
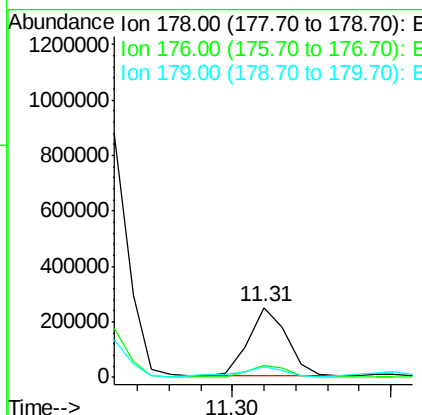
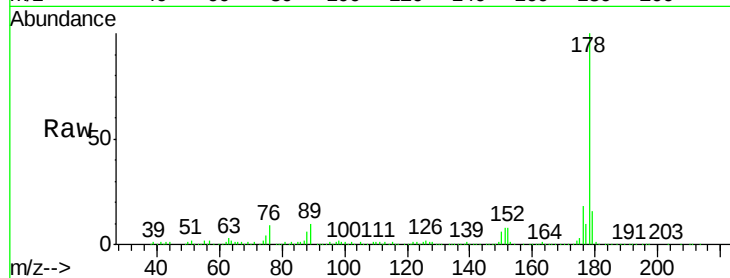
#71
 Anthracene
 Concen: 9.626 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102571.D
 Acq: 28 Jan 2018 21:31

Instrument :
 BNA_F
 ClientSampleId :
 WC-07(5-15)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	16.0	12.6	19.0

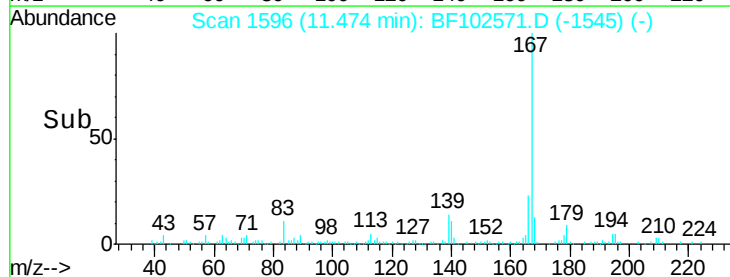
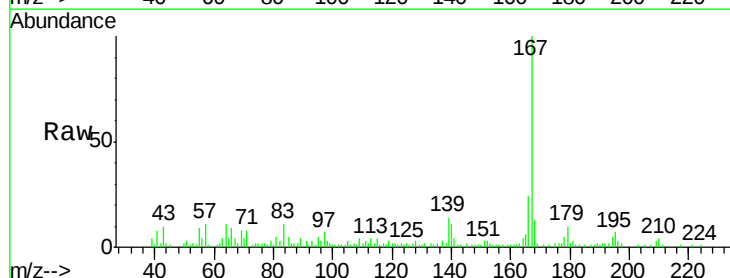
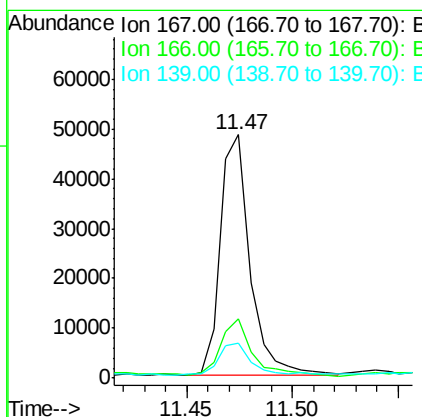
Manual Integrations
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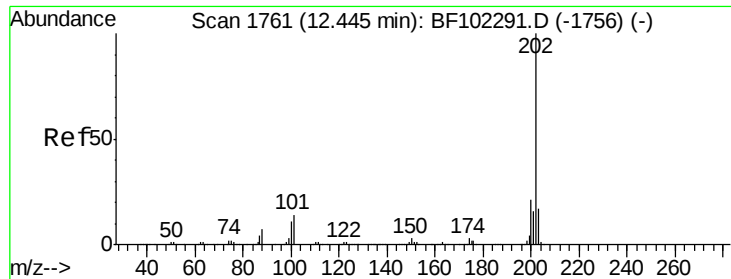
Sohil
 1/29/2018 5:48:31 PM



#72
 Carbazole
 Concen: 2.257 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: BF102571.D
 Acq: 28 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.1	17.6	26.4
139	14.4	10.9	16.3





#74

Fluoranthene

Concen: 44.020 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF102571.D

Acq: 28 Jan 2018 21:31

Instrument :

BNA_F

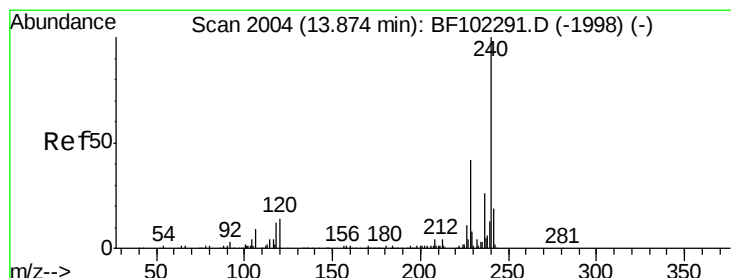
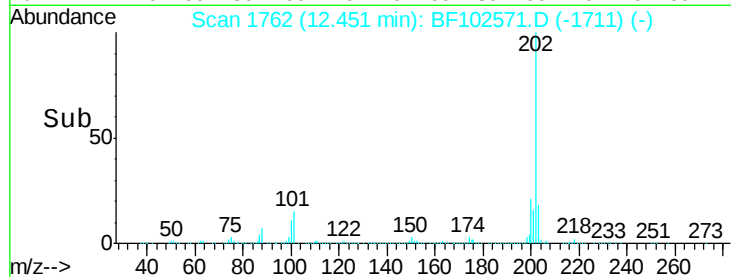
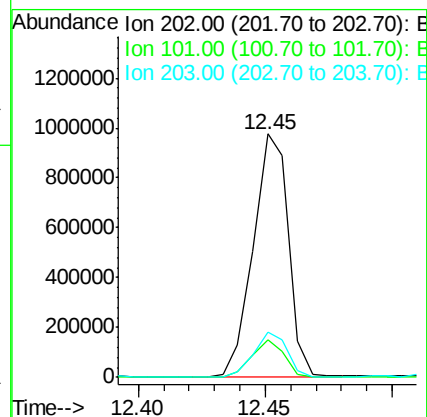
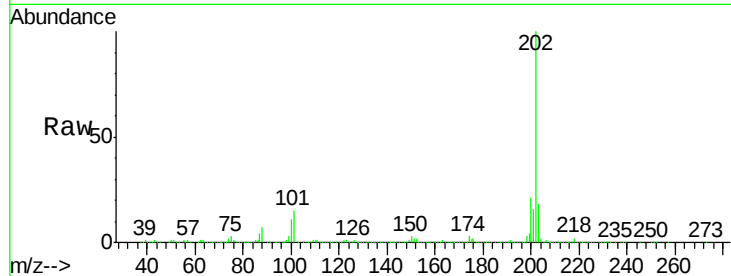
ClientSampleId :

WC-07(5-15)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	946100		
101	15.3	0.0	34.1	
203	18.4	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

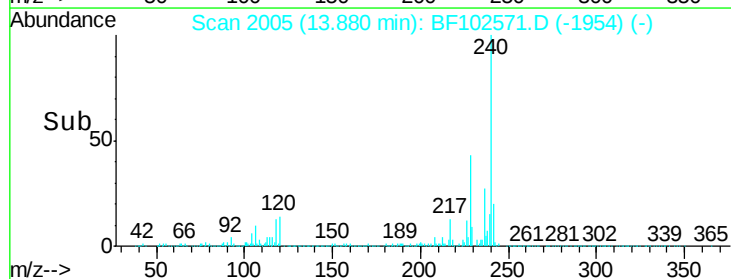
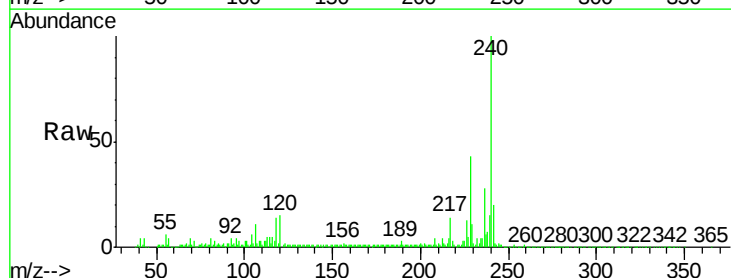
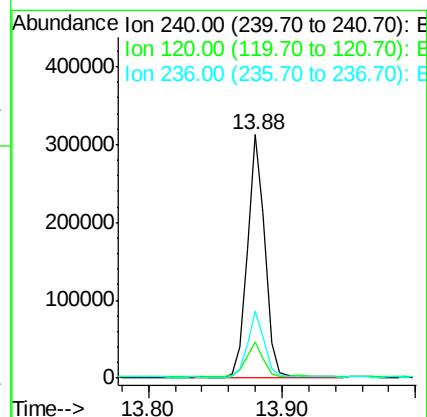
RT: 13.88 min Scan# 2005

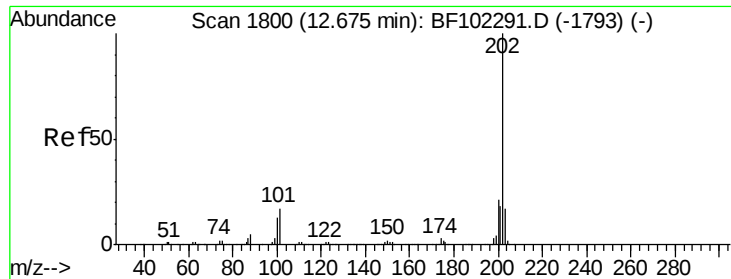
Delta R.T. -0.00 min

Lab File: BF102571.D

Acq: 28 Jan 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	282830		
120	15.1	9.5	14.3#	
236	27.6	20.7	31.1	





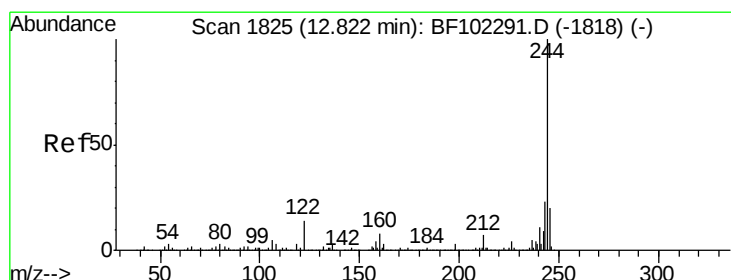
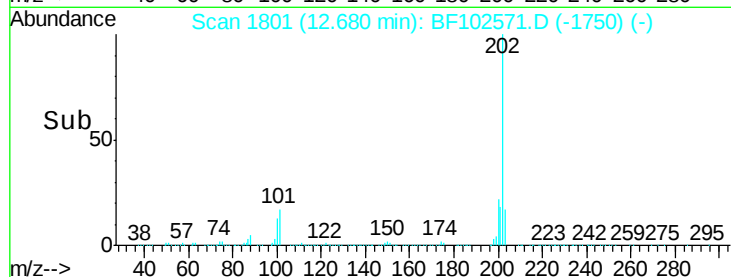
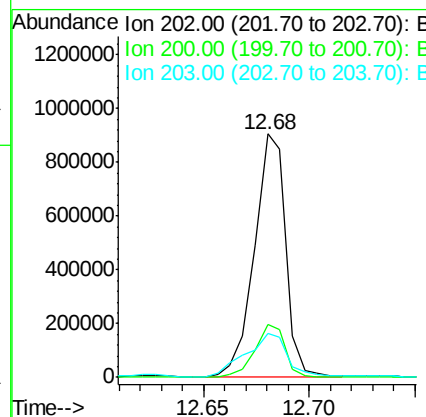
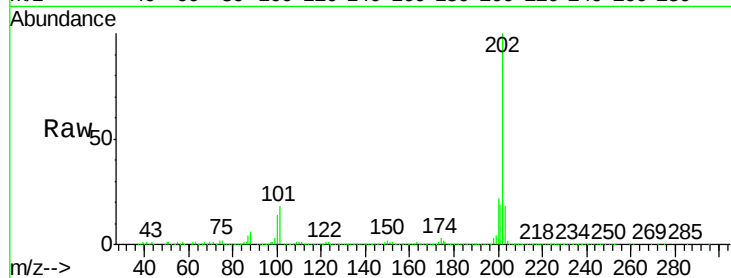
#77
Pvrene
Concen: 42.584 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Instrument :
BNA_F
ClientSampleId :
WC-07(5-15)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.2	14.3	21.5

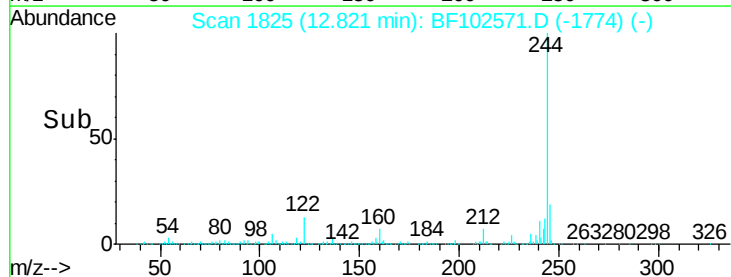
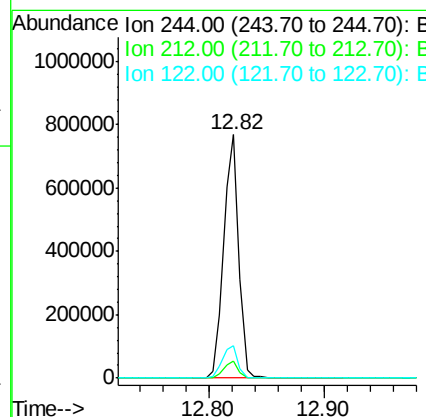
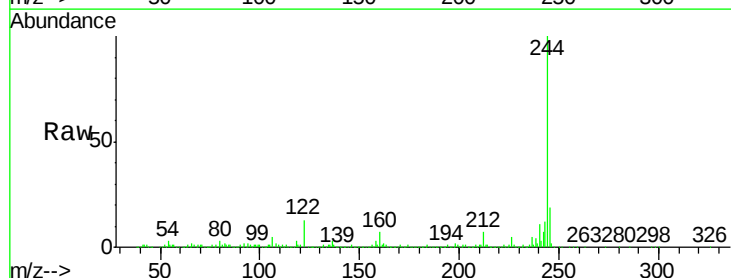
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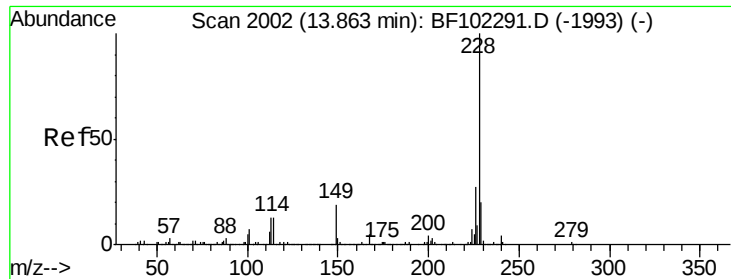
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#78
Terphenyl-d14
Concen: 55.061 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.1	11.0	16.4





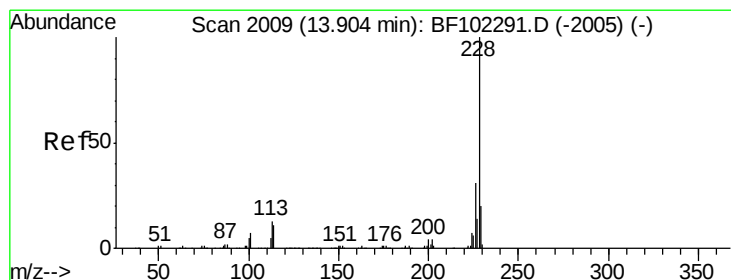
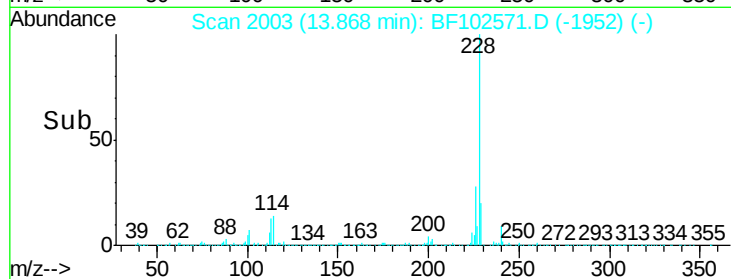
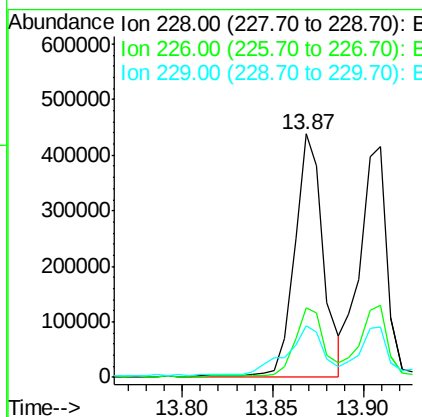
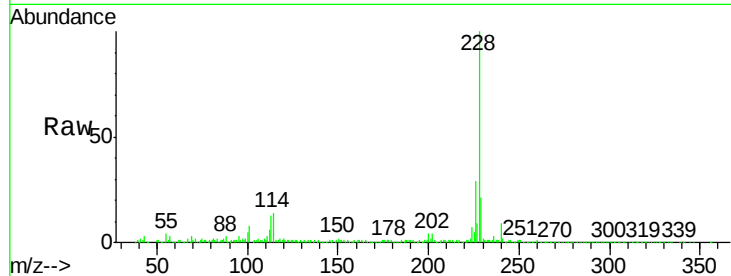
#80
Benzo(a)anthracene
Concen: 27.648 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Instrument :
BNA_F
ClientSampled :
WC-07(5-15)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.2	15.8	23.6

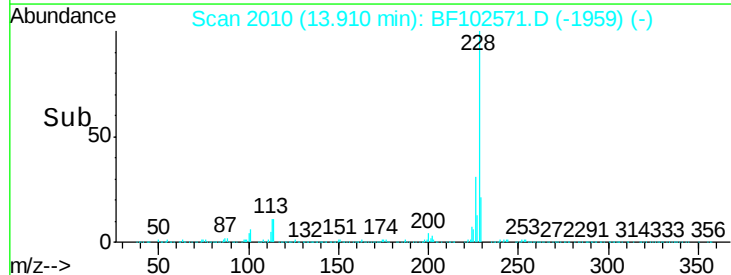
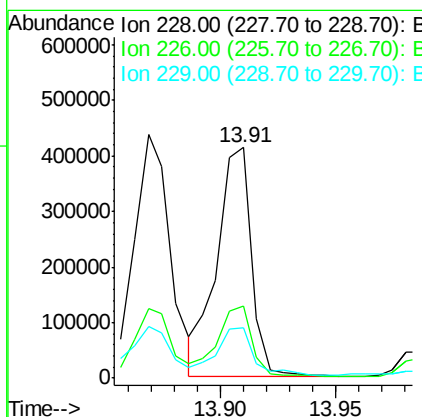
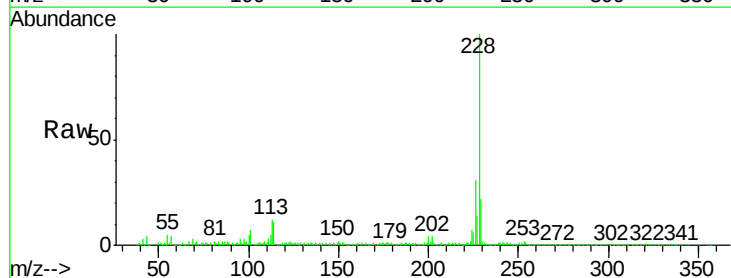
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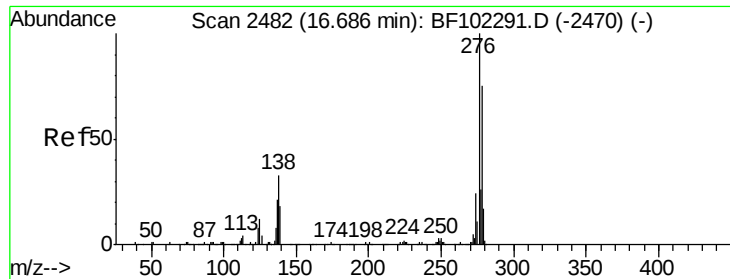
Sohil
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#82
Chrysene
Concen: 24.586 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.0	16.2	24.4





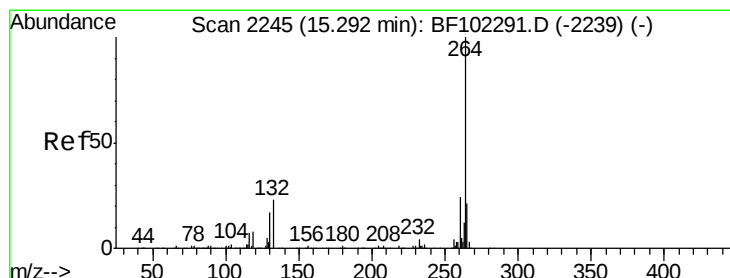
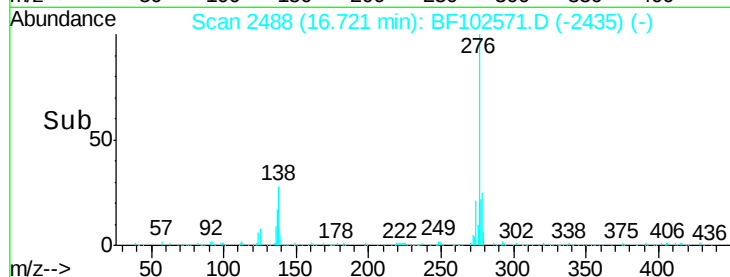
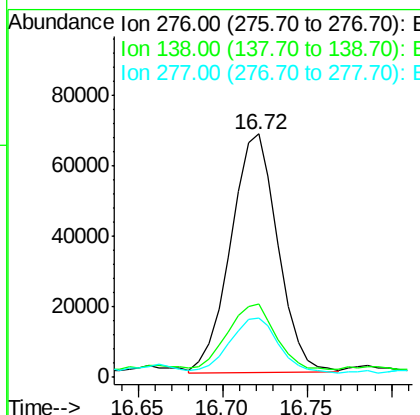
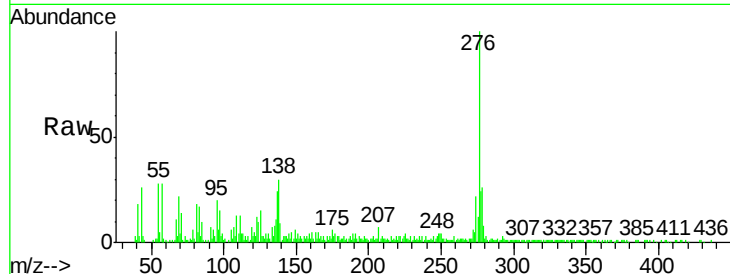
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.006 ng
RT: 16.72 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Instrument :
BNA_F
ClientSampleId :
WC-07(5-15)

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.3	25.0	37.6
277	23.5	20.1	30.1

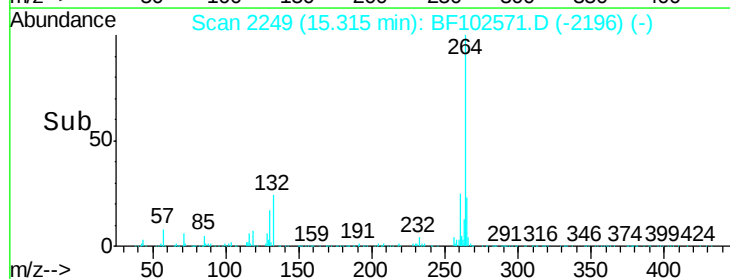
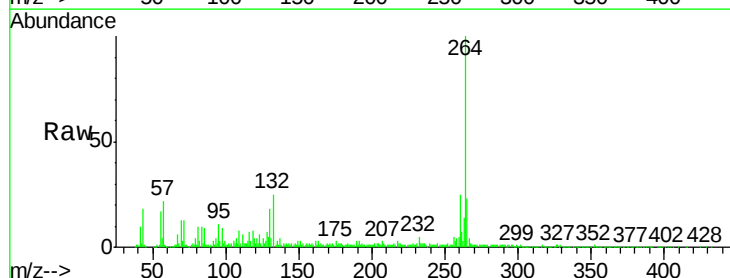
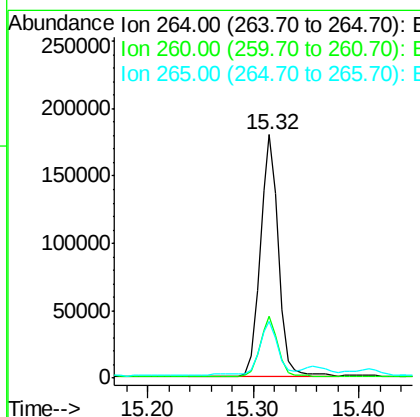
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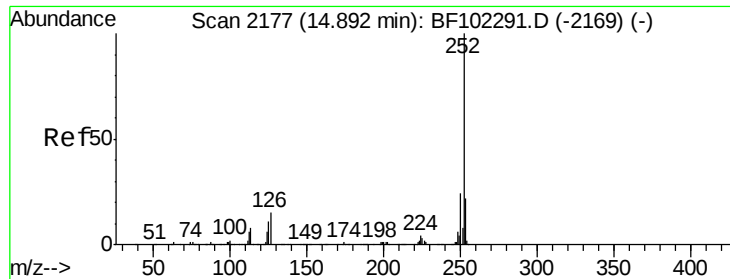
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	23.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 28.353 ng m

RT: 14.90 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BF102571.D

Acq: 28 Jan 2018 21:31

Instrument :

BNA_F

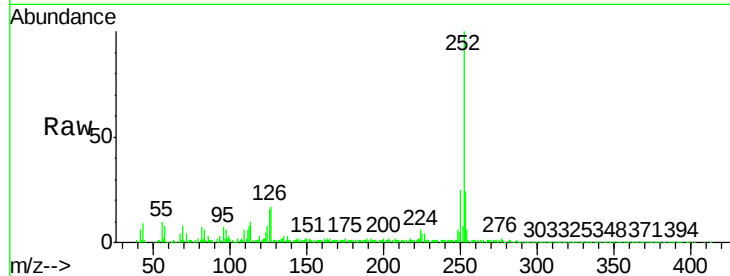
ClientSampled :

WC-07(5-15)

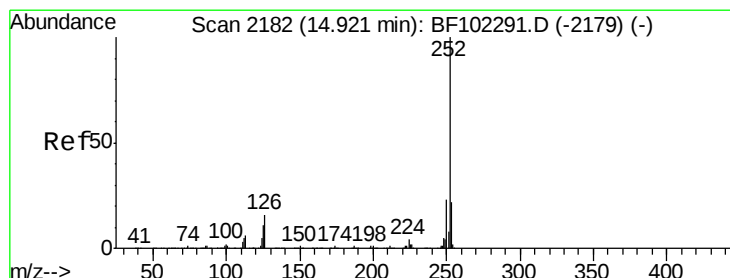
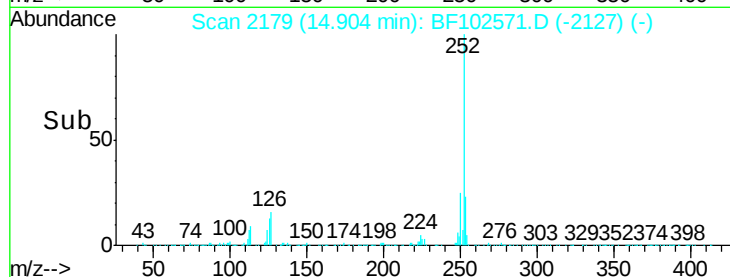
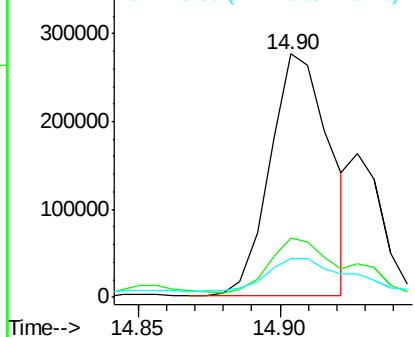
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	15.8	9.0	13.6#

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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



#88

Benzo(k)fluoranthene

Concen: 9.778 ng m

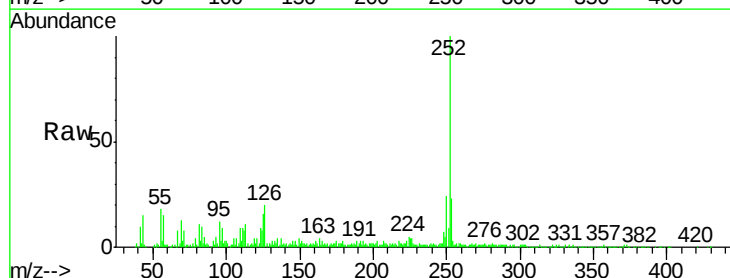
RT: 14.93 min Scan# 2183

Delta R.T. -0.00 min

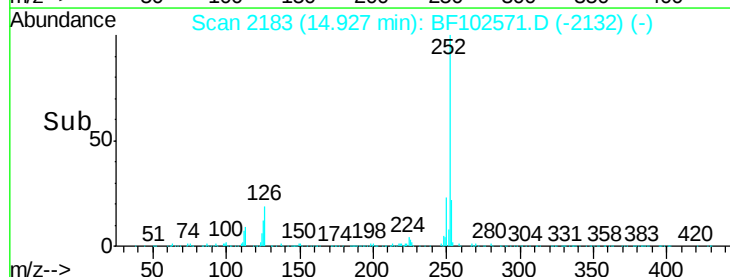
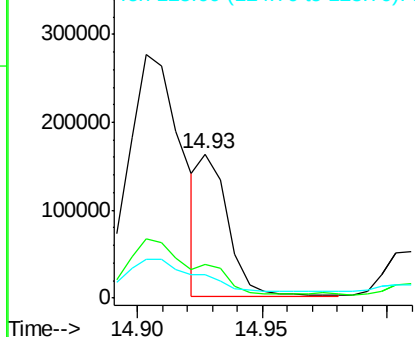
Lab File: BF102571.D

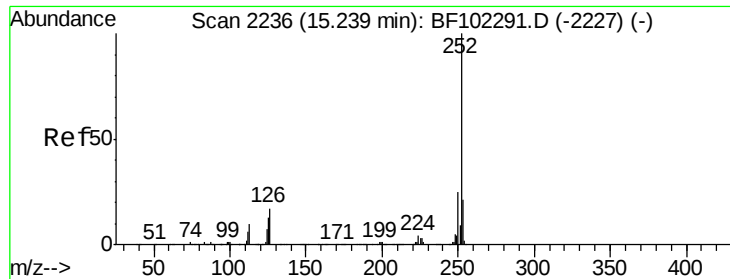
Acq: 28 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	16.4	10.2	15.2#



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





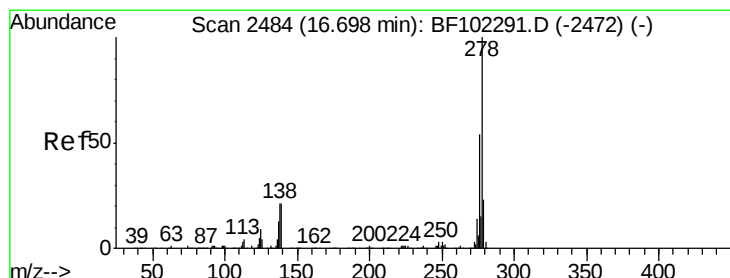
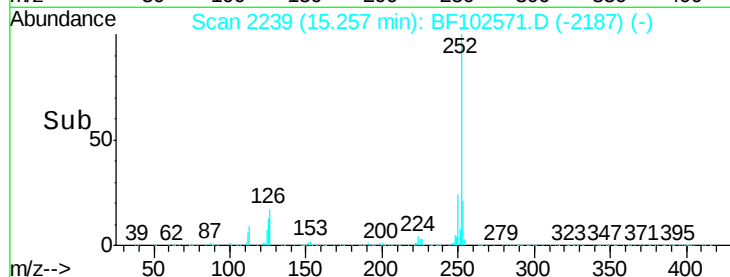
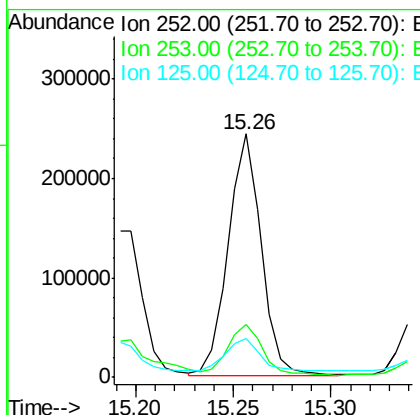
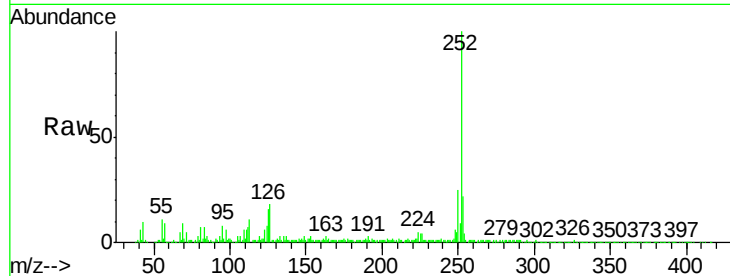
#89
Benzo(a)pyrene
Concen: 22.204 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Instrument :
BNA_F
ClientSampleId :
WC-07(5-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	15.7	9.8	14.6

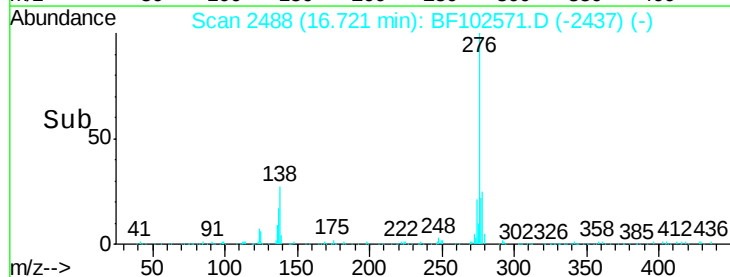
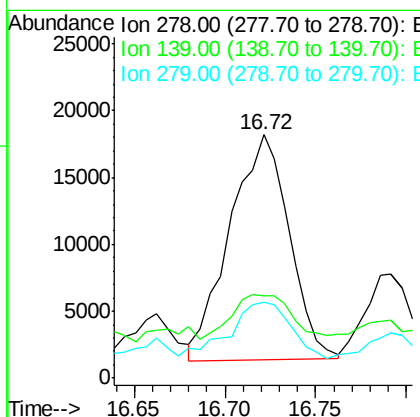
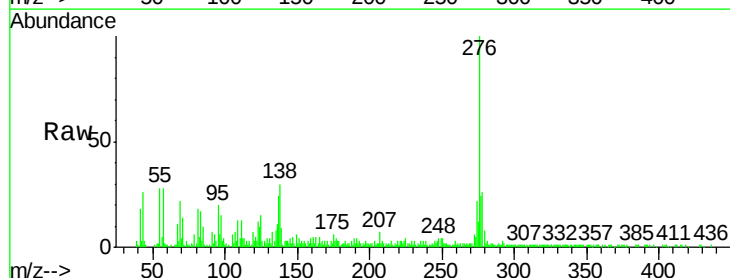
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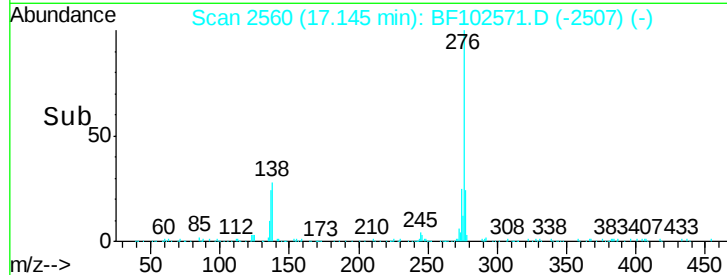
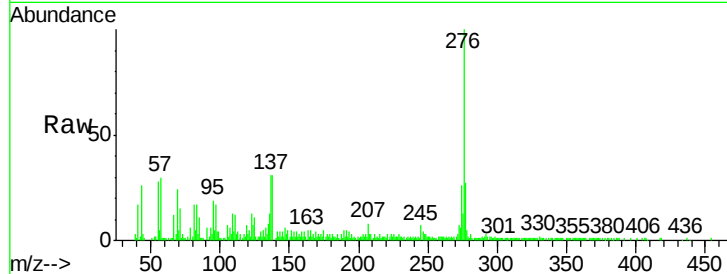
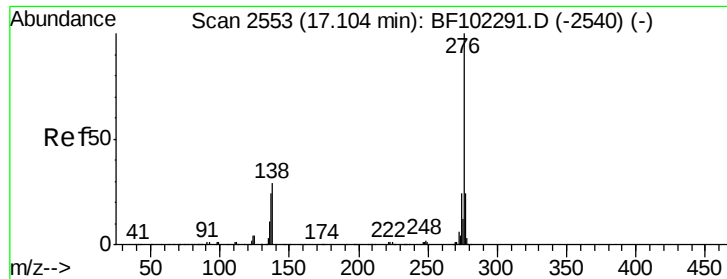
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 3.698 ng
RT: 16.72 min Scan# 2488
Delta R.T. -0.00 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.8	15.9	23.9
279	31.4	19.0	28.4





#91
Benzo(a,h,i)perylene
Concen: 12.535 ng
RT: 17.14 min Scan# 2560
Delta R.T. 0.01 min
Lab File: BF102571.D
Acq: 28 Jan 2018 21:31

Instrument :
BNA_F
ClientSampleId :
WC-07(5-15)

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	17.9	26.9
138	30.6	21.8	32.8

Manual Integrations
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