

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102481.D
 Acq On : 26 Jan 2018 20:56
 Operator : SJ/JU
 Sample : J1257-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14(0-5)

Manual Integrations
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Sohil
 1/27/2018 1:47:18 PM

Quant Time: Jan 26 23:01:18 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	170748	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	683029	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	264608	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	376999	20.00	ng	0.00
75) Chrysene-d12	13.89	240	272803	20.00	ng	0.01
86) Perylene-d12	15.33	264	187424	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1100696	97.74	ng	0.01
7) Phenol-d6	6.37	99	1313356	96.74	ng	0.00
23) Nitrobenzene-d5	7.29	82	723674	60.89	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	170702	65.11	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1206191	67.02	ng	0.00
78) Terphenyl-d14	12.83	244	804130	66.45	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.38	94	51420	3.469	ng	96
31) Naphthalene	8.02	128	109493	3.211	ng	99
49) Dimethylphthalate	9.47	163	331043	15.136	ng	100
51) Acenaphthene	9.79	154	86495	5.169	ng	98
54) Dibenzofuran	9.96	168	86776	3.832	ng	98
57) Fluorene	10.30	166	131086	7.305	ng	98
70) Phenanthrene	11.27	178	954279	43.438	ng	99
71) Anthracene	11.32	178	243280	10.850	ng	98
72) Carbazole	11.48	167	142332	6.506	ng	98
74) Fluoranthene	12.46	202	1076607	48.057	ng	100
77) Pyrene	12.69	202	924380	43.826	ng	99
80) Benzo(a)anthracene	13.88	228	448081	26.678	ng	99
82) Chrysene	13.92	228	380140	22.288	ng	97
85) Indeno(1,2,3-cd)pyrene	16.74	276	132330	9.395	ng	97
87) Benzo(b)fluoranthene	14.92	252	352279m	28.999	ng	
88) Benzo(k)fluoranthene	14.94	252	139078m	12.118	ng	
89) Benzo(a)pyrene	15.27	252	240995	21.997	ng	# 91
90) Dibenzo(a,h)anthracene	16.74	278	34577	3.896	ng	# 80
91) Benzo(a,h,i)perylene	17.17	276	132003	15.064	ng	93

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

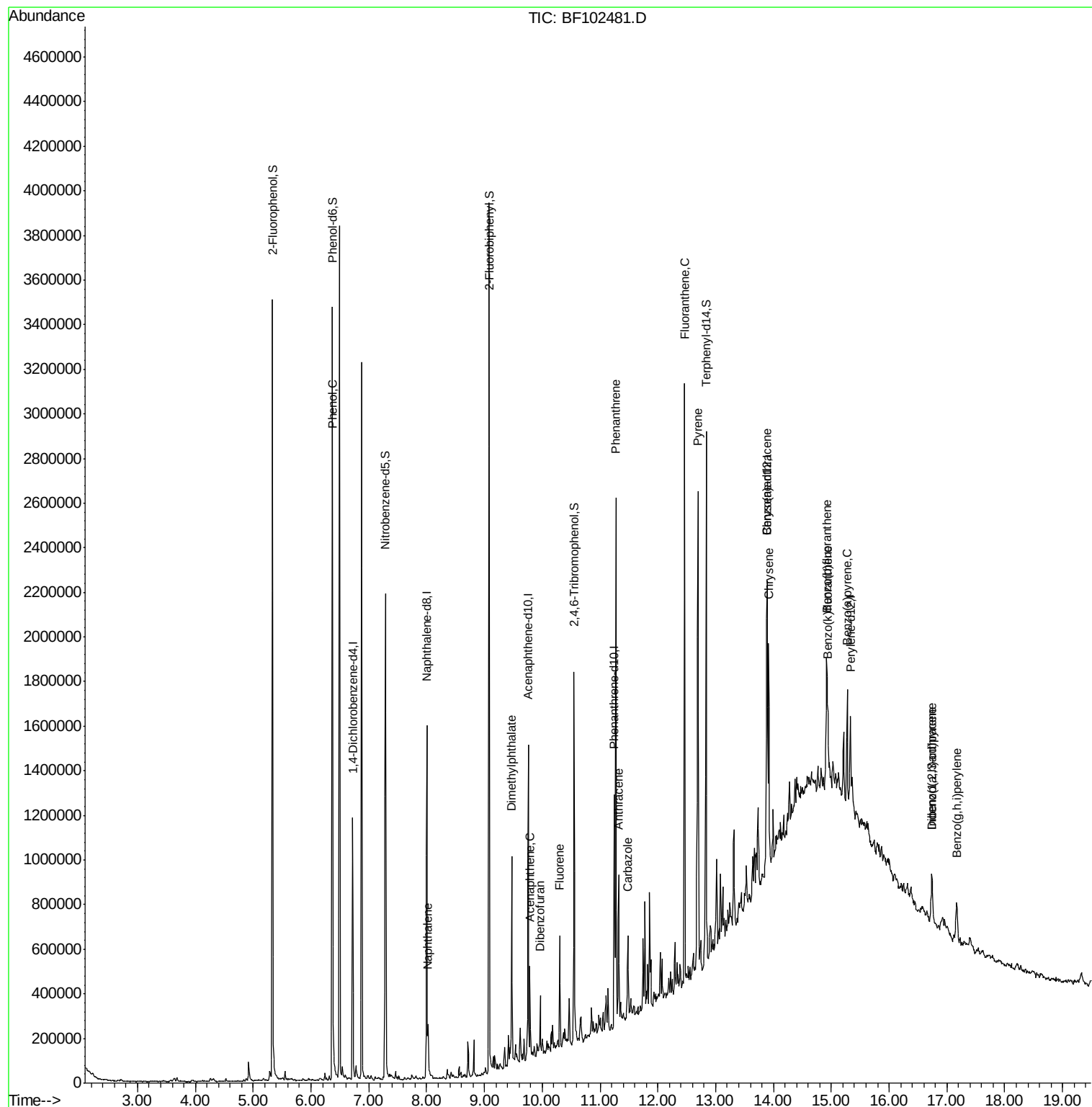
Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
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ALS Vial : 20 Sample Multiplier: 1

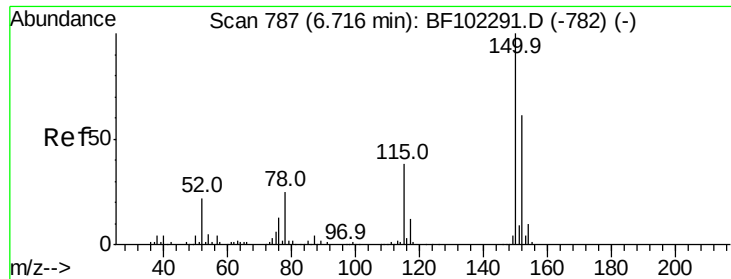
Instrument :
BNA_F
ClientSampleId :
WC-14(0-5)

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Quant Time: Jan 26 23:01:18 2018
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

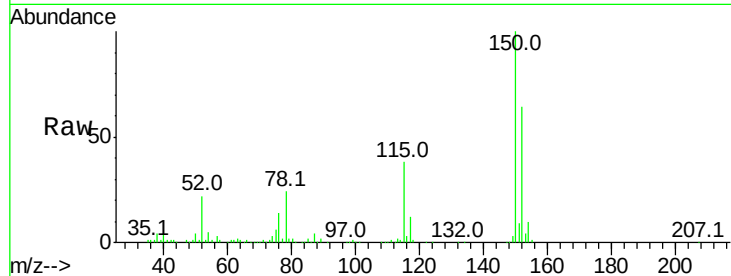
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.01 min
Lab File: BF102481.D
Acq: 26 Jan 2018 20:56

Instrument :
BNA_F
ClientSampleId :
WC-14(0-5)

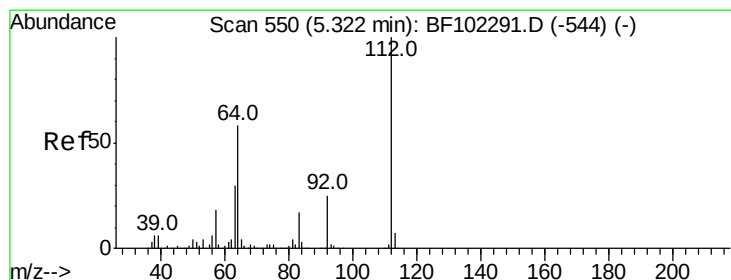
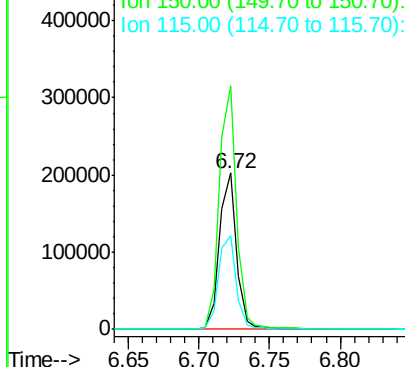
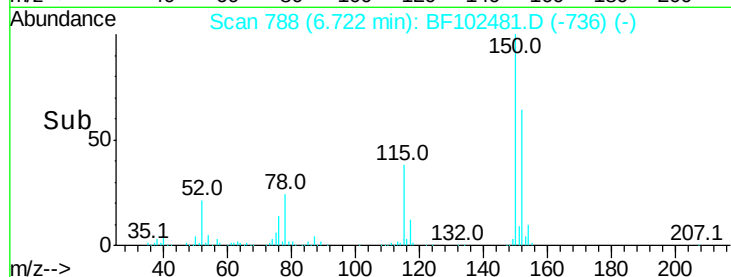
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	59.8	50.1	75.1

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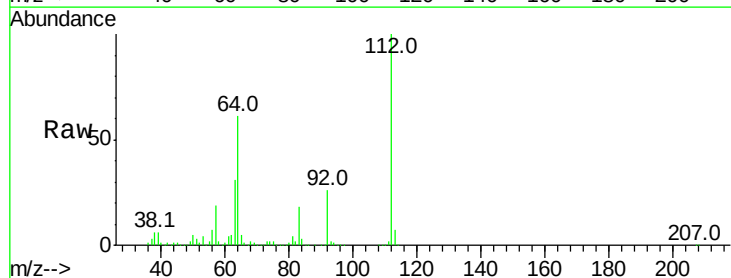
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



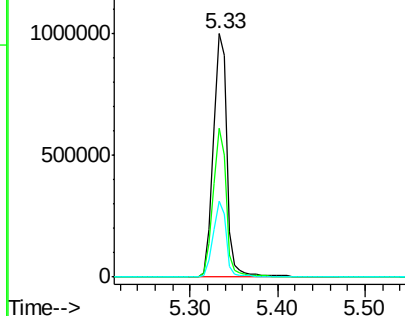
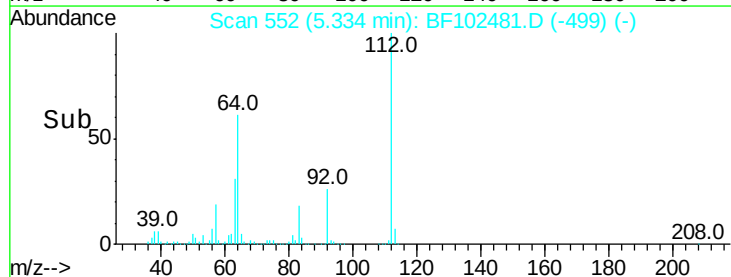
#5

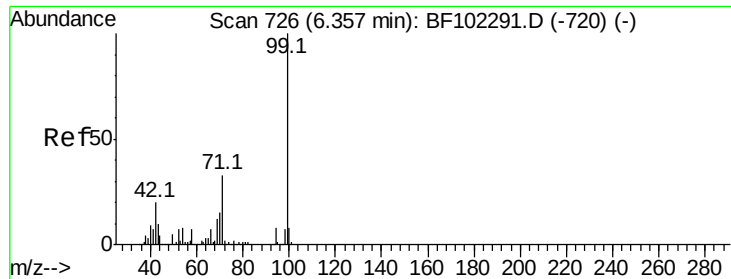
2-Fluorophenol
Concen: 97.743 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102481.D
Acq: 26 Jan 2018 20:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	47.9	71.9
63	31.4	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: 96.739 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102481.D

Acq: 26 Jan 2018 20:56

Instrument :

BNA_F

ClientSampleId :

WC-14(0-5)

Tot Ion: 99 Resp: 1313356

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

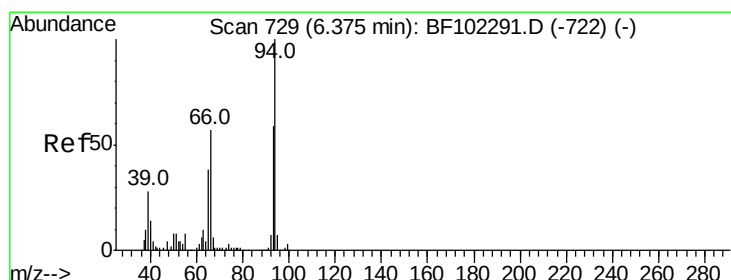
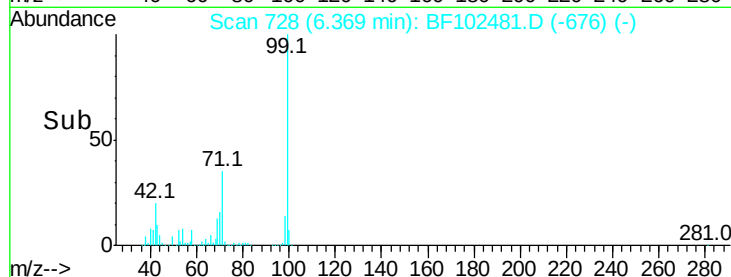
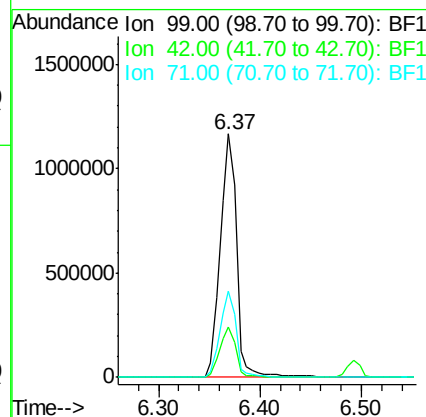
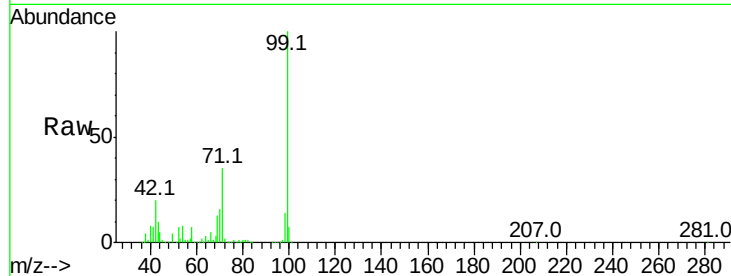
71 35.3 25.4 38.0

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#10

Phenol

Concen: 3.469 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF102481.D

Acq: 26 Jan 2018 20:56

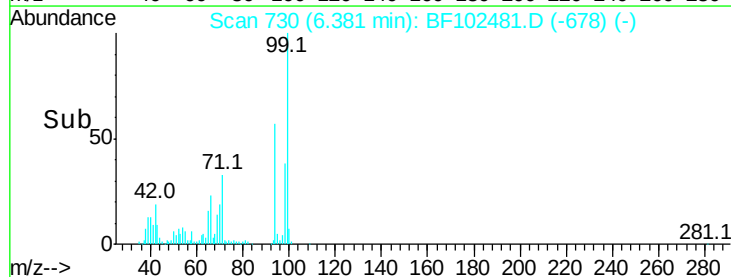
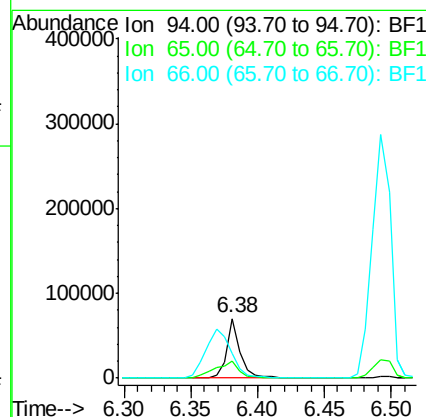
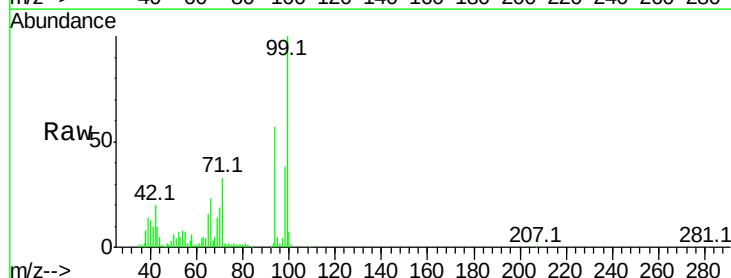
Tgt Ion: 94 Resp: 51420

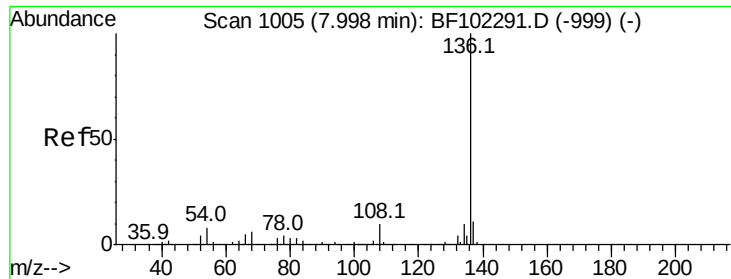
Ion Ratio Lower Upper

94 100

65 27.6 7.9 47.9

66 40.5 16.2 56.2





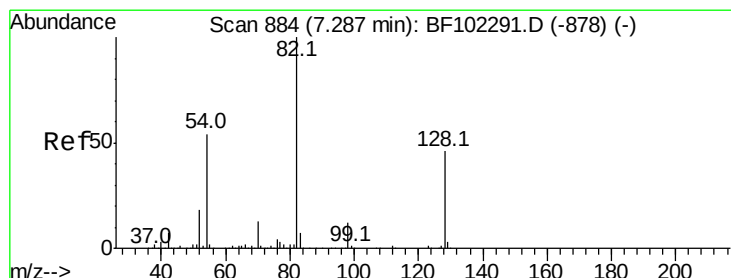
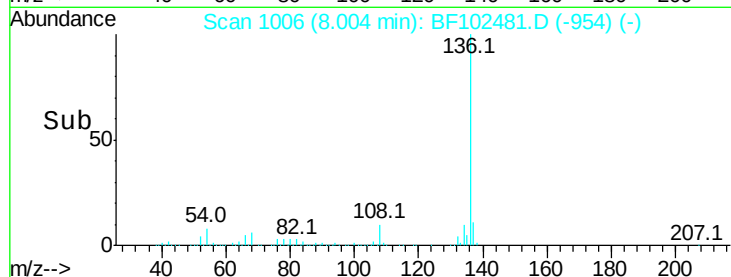
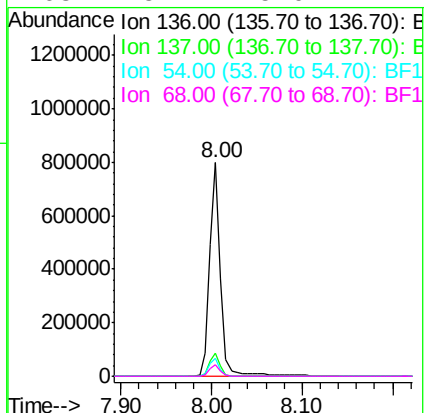
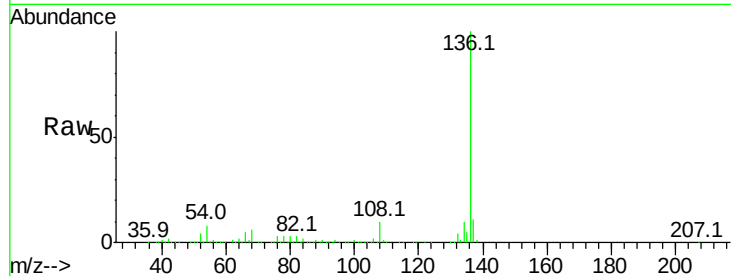
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.01 min
Lab File: BF102481.D
Acq: 26 Jan 2018 20:56

Instrument :
BNA_F
ClientSampleId :
WC-14(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	683029		
137	11.0		8.9	13.3
54	8.2		6.6	9.8
68	5.7		5.0	7.4

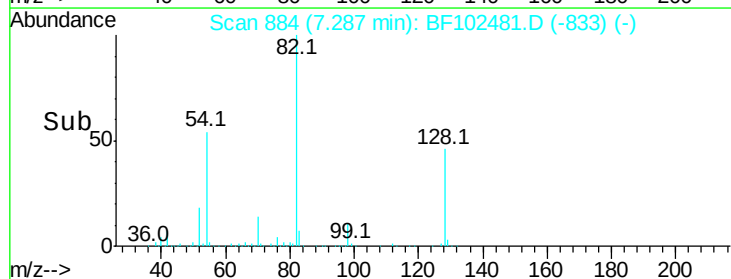
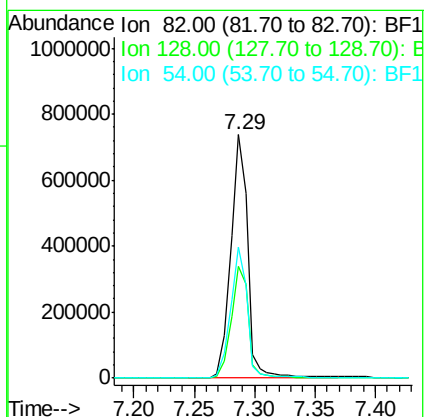
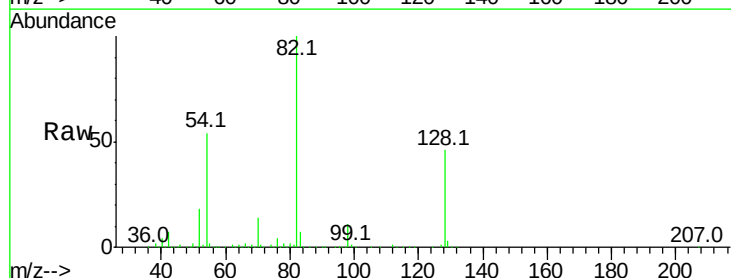
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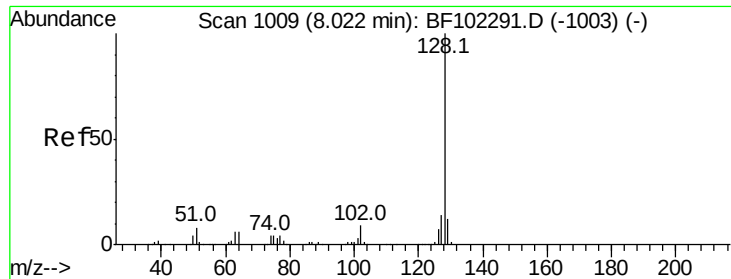
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#23
Nitrobenzene-d5
Concen: 60.887 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF102481.D
Acq: 26 Jan 2018 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	723674		
128	45.7		36.1	54.1
54	54.0		41.4	62.2





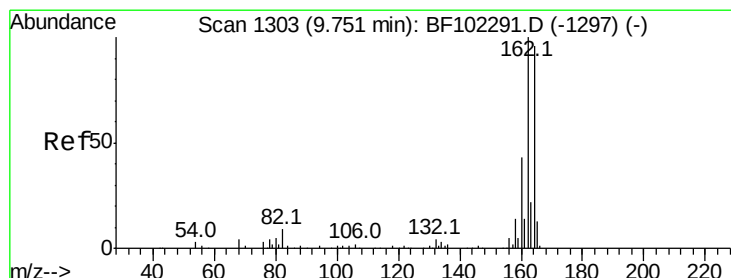
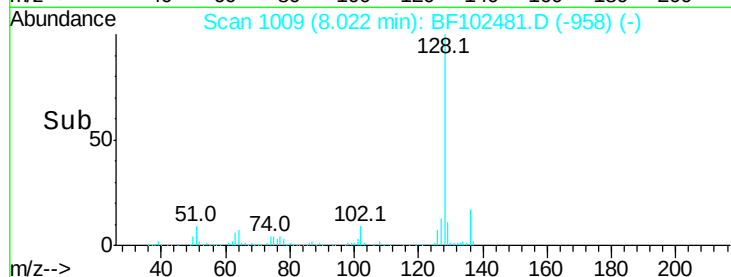
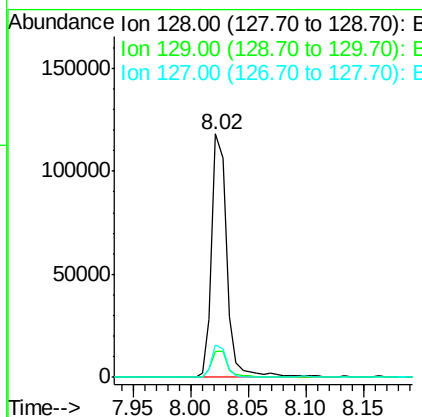
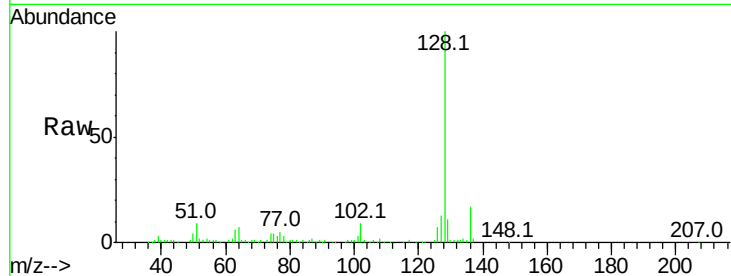
#31
Naphthalene
Concen: 3.211 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF102481.D
Acq: 26 Jan 2018 20:56

Instrument :
BNA_F
ClientSampleId :
WC-14(0-5)

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.1	10.9	16.3

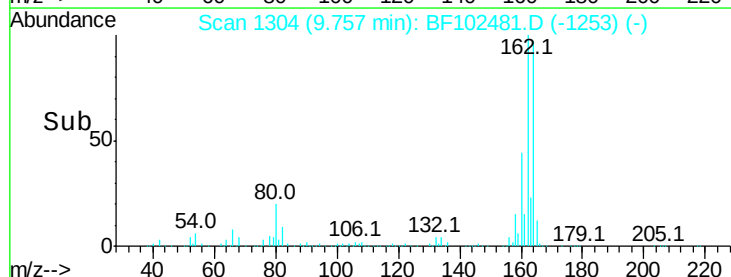
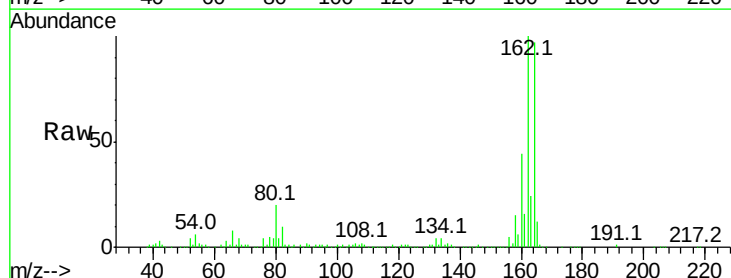
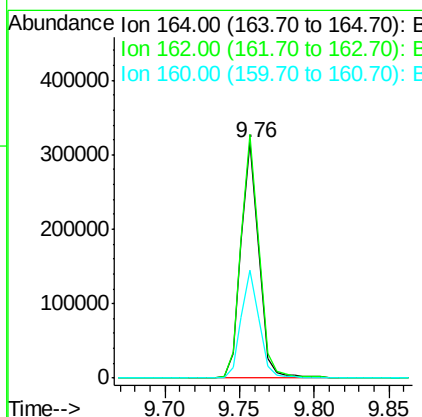
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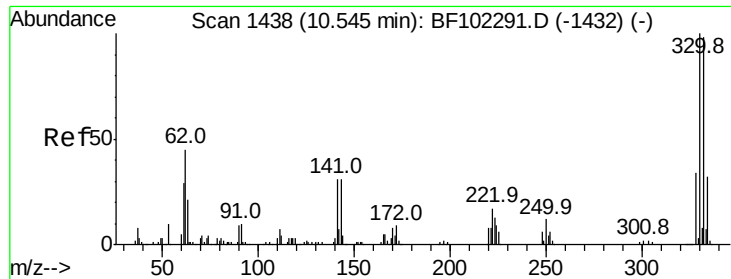
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF102481.D
Acq: 26 Jan 2018 20:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	45.6	38.3	57.5





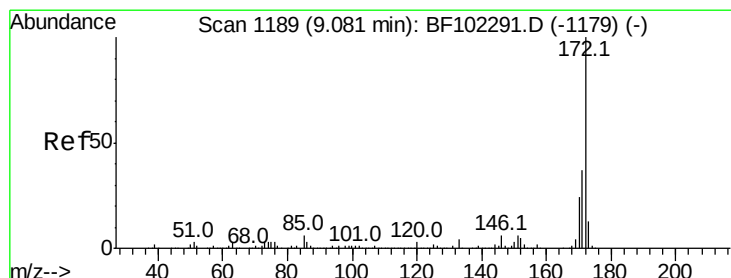
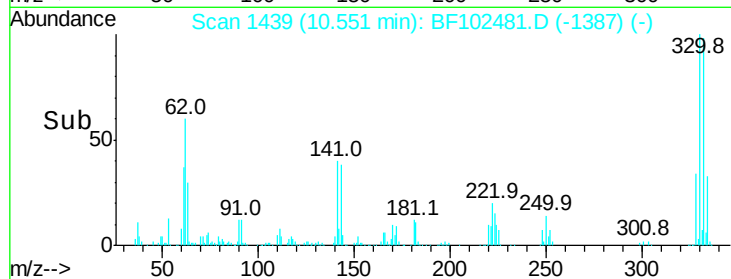
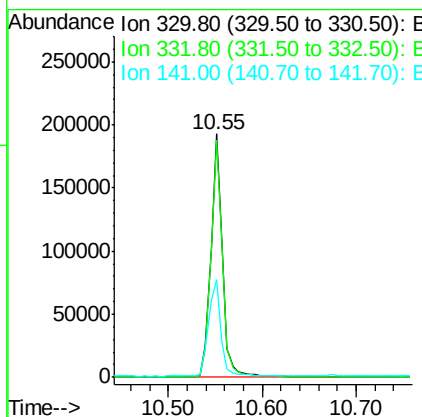
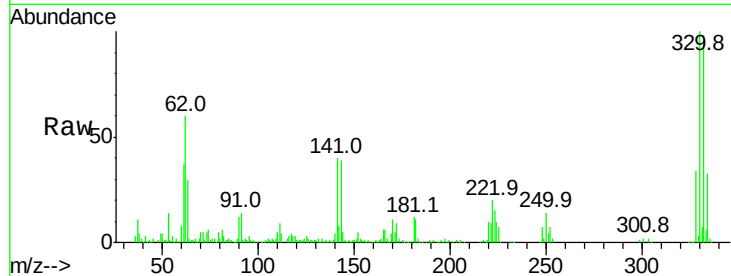
#41
 2,4,6-Tribromophenol
 Concen: 65.107 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF102481.D
 Acq: 26 Jan 2018 20:56

Instrument :
 BNA_F
 ClientSampled :
 WC-14(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	170702		
332	97.9	77.0	115.6	
141	43.4	29.9	44.9	

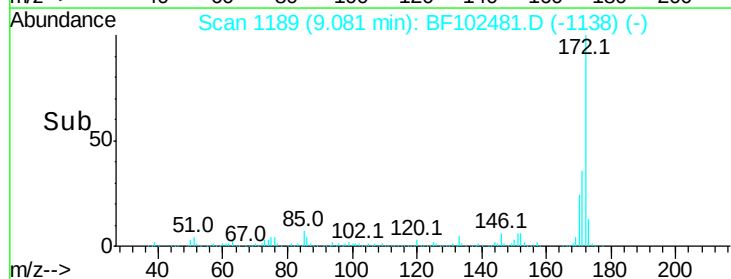
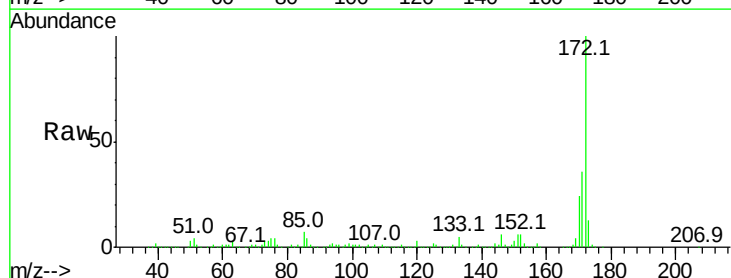
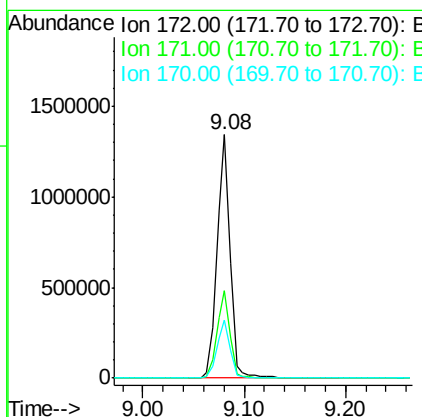
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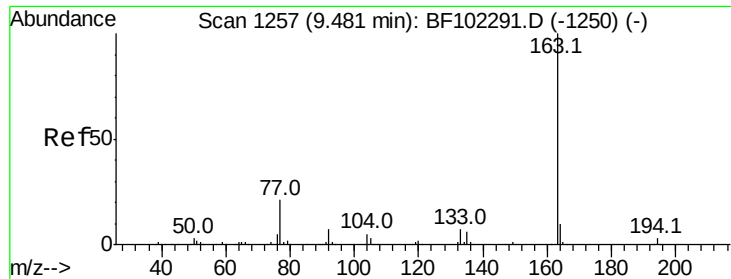
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#44
 2-Fluorobiphenyl
 Concen: 67.025 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF102481.D
 Acq: 26 Jan 2018 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1206191		
171	36.0	29.7	44.5	
170	24.0	19.6	29.4	





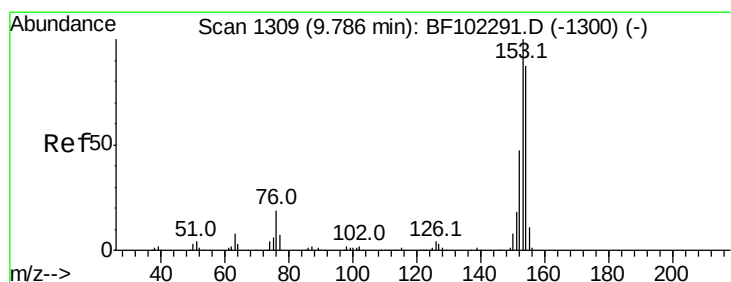
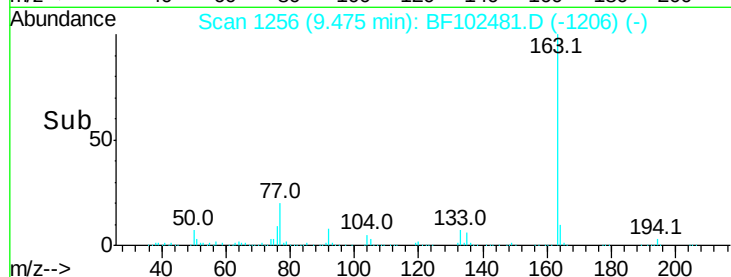
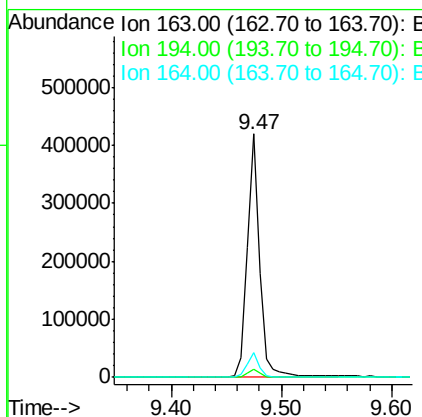
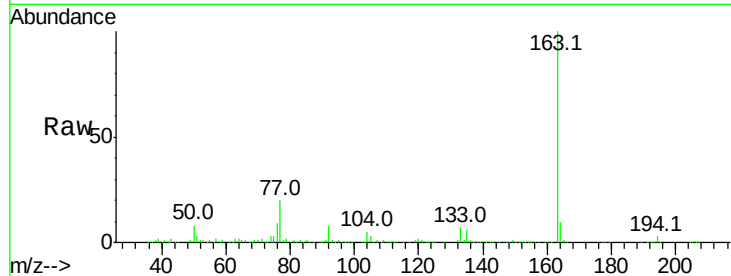
#49
Dimethylphthalate
Concen: 15.136 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102481.D
Acq: 26 Jan 2018 20:56

Instrument :
BNA_F
ClientSampled :
WC-14(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	2.7	4.1	
164	10.3	8.2	12.2	

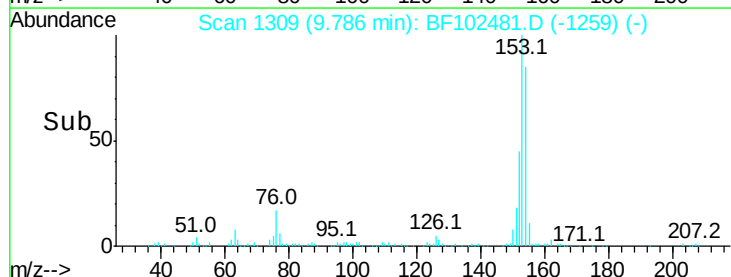
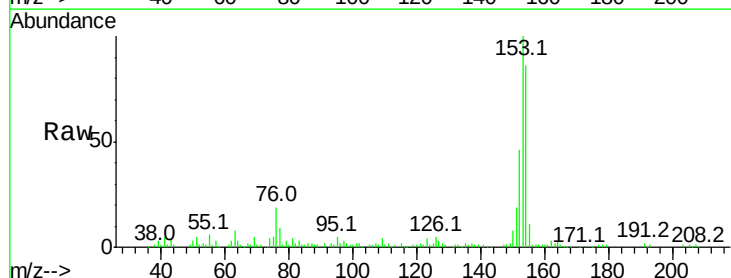
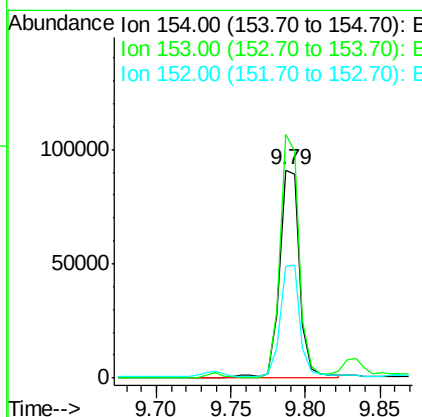
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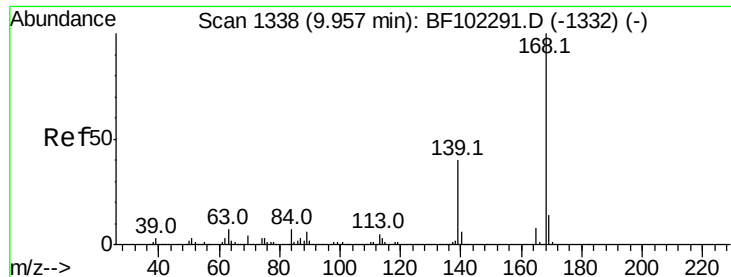
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#51
Acenaphthene
Concen: 5.169 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF102481.D
Acq: 26 Jan 2018 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	116.9	91.2	136.8	
152	53.7	43.8	65.8	





#54

Dibenzofuran

Concen: 3.832 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF102481.D

Acq: 26 Jan 2018 20:56

Instrument :

BNA_F

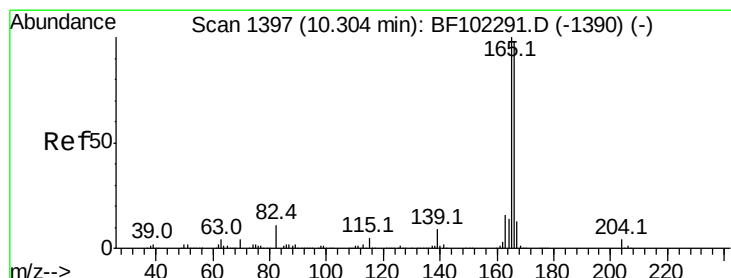
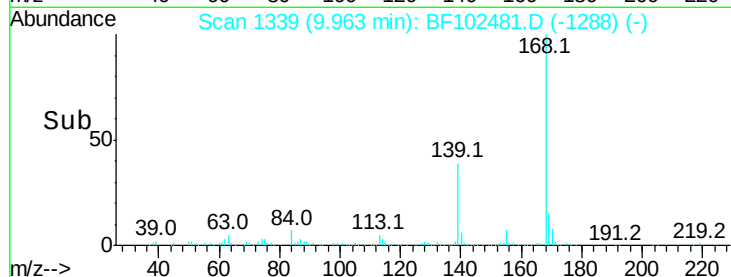
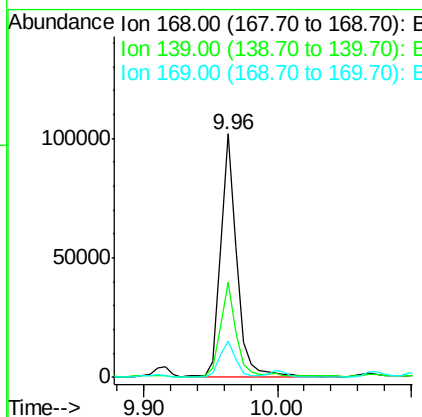
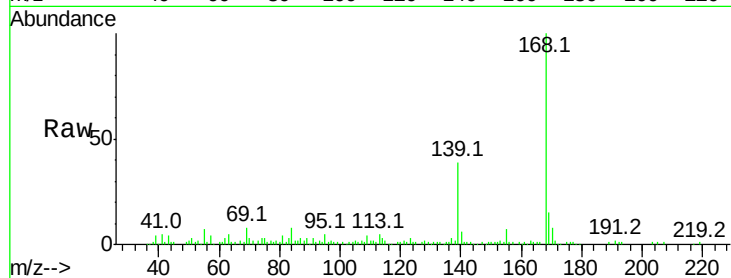
ClientSampled :

WC-14(0-5)

Tot Ion:168	Resp:	86776
Ion Ratio	Lower	Upper
168 100		
139 39.0	30.1	45.1
169 14.9	10.9	16.3

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#57

Fluorene

Concen: 7.305 ng

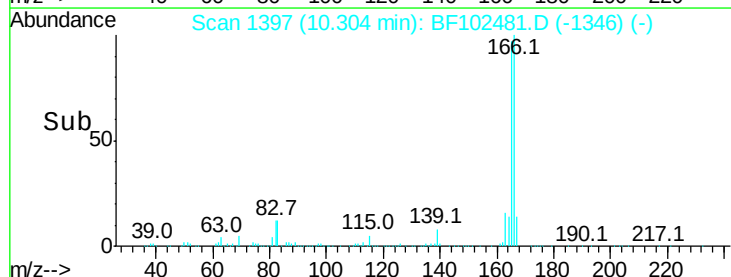
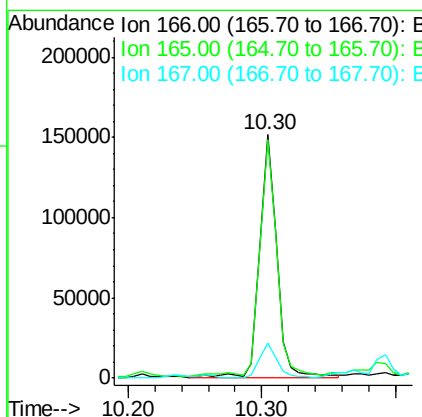
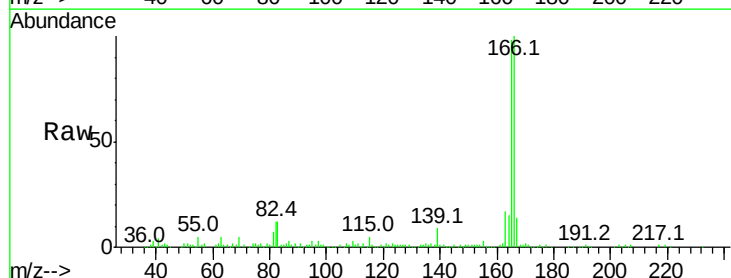
RT: 10.30 min Scan# 1397

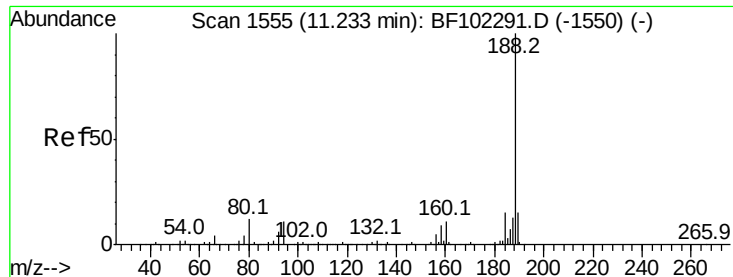
Delta R.T. 0.00 min

Lab File: BF102481.D

Acq: 26 Jan 2018 20:56

Tgt Ion:166	Resp:	131086
Ion Ratio	Lower	Upper
166 100		
165 97.8	79.8	119.8
167 14.5	10.6	16.0





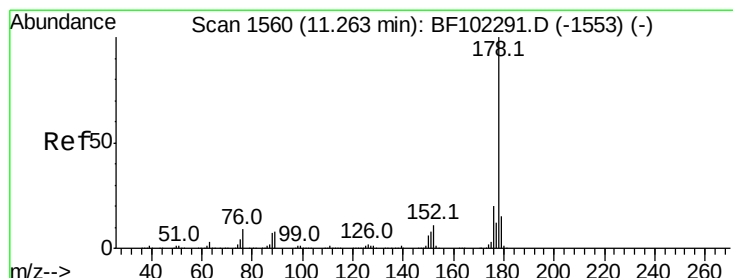
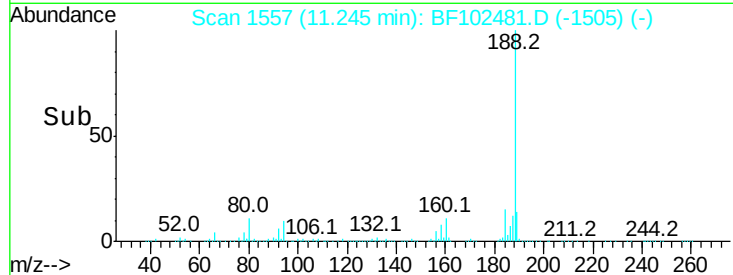
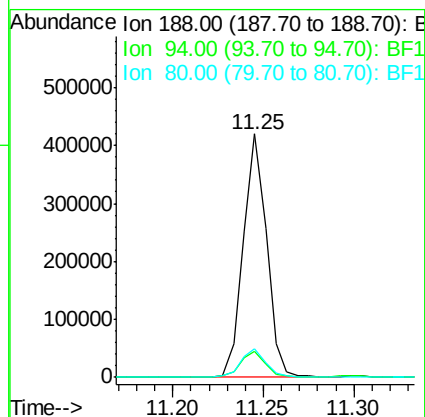
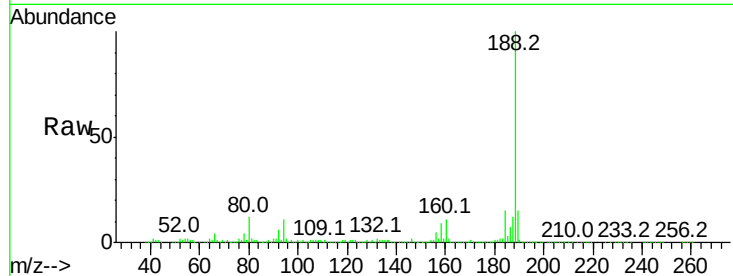
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.01 min
Lab File: BF102481.D
Acq: 26 Jan 2018 20:56

Instrument :
BNA_F
ClientSampled :
WC-14(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	376999		
94	10.8		8.5	12.7
80	11.5		9.2	13.8

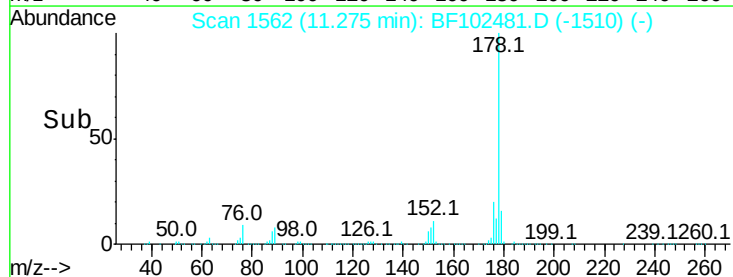
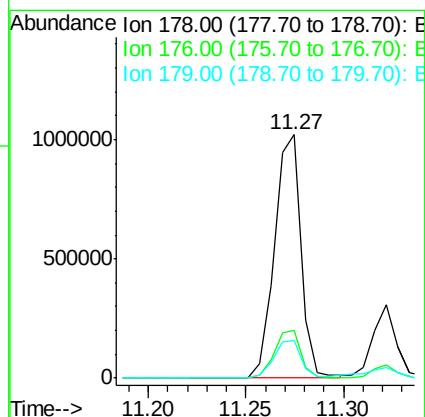
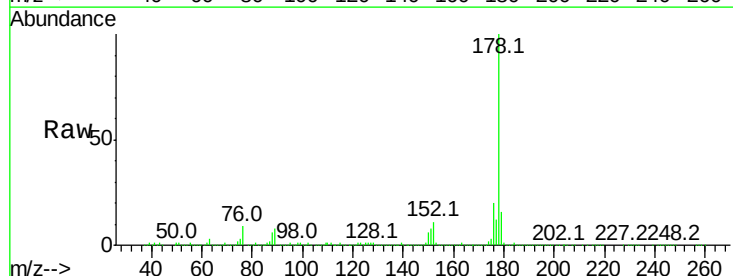
Manual Integrations
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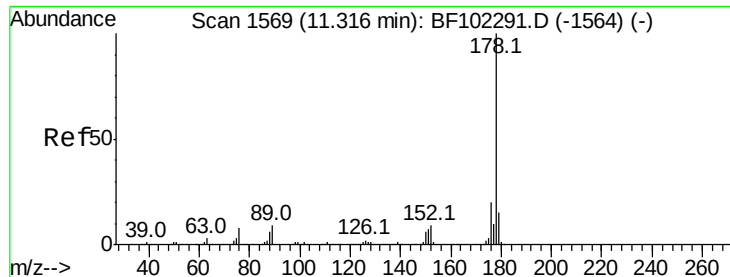
Sohil
1/27/2018 1:47:18 PM



#70
Phenanthrene
Concen: 43.438 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.01 min
Lab File: BF102481.D
Acq: 26 Jan 2018 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	954279		
176	19.7		15.8	23.8
179	15.6		13.0	19.6





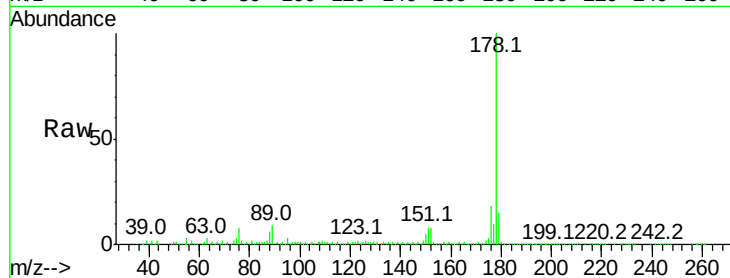
#71
 Anthracene
 Concen: 10.850 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF102481.D
 Acq: 26 Jan 2018 20:56

Instrument :
 BNA_F
 ClientSampled :
 WC-14(0-5)

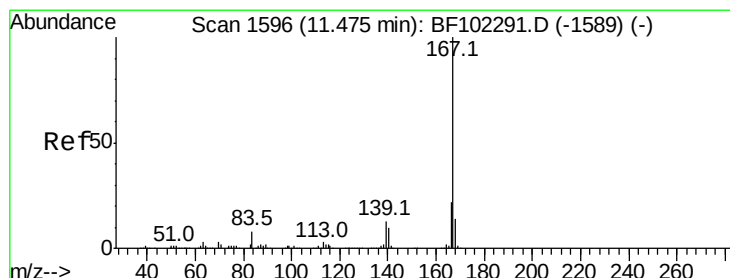
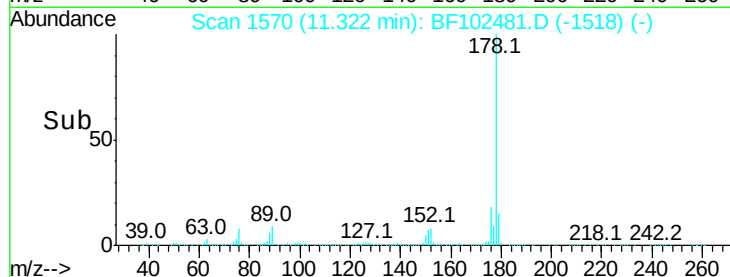
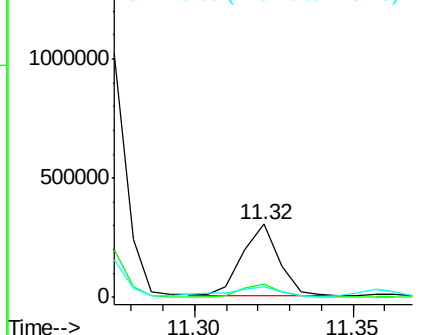
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.4	12.6	19.0

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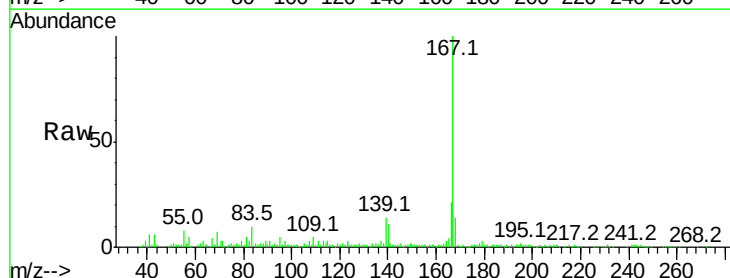


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

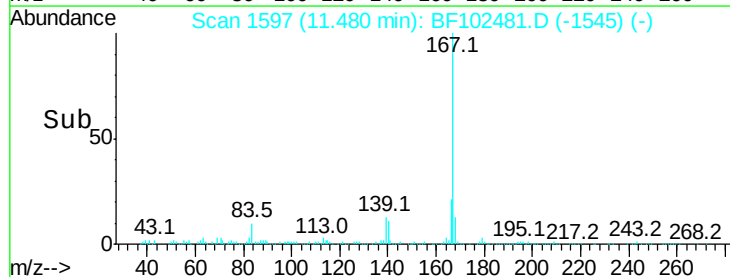
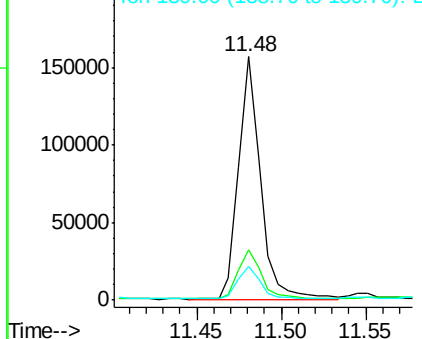


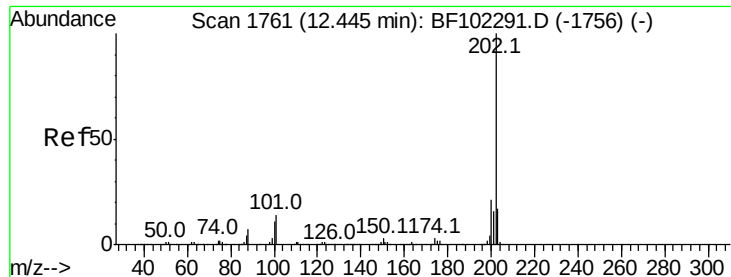
#72
 Carbazole
 Concen: 6.506 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF102481.D
 Acq: 26 Jan 2018 20:56

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.6	26.4
139	13.9	10.9	16.3



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 48.057 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF102481.D

Acq: 26 Jan 2018 20:56

Instrument :

BNA_F

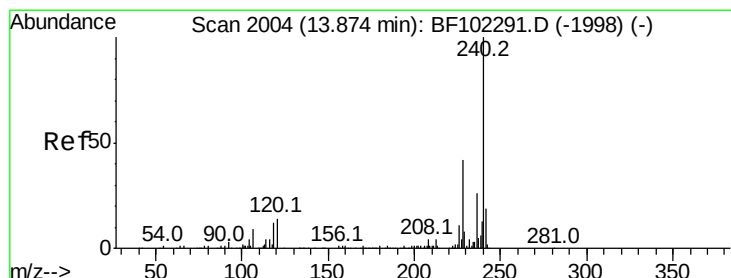
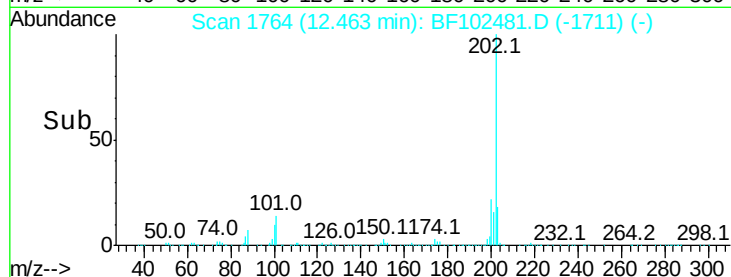
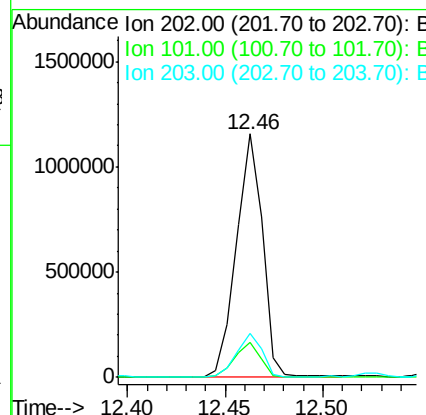
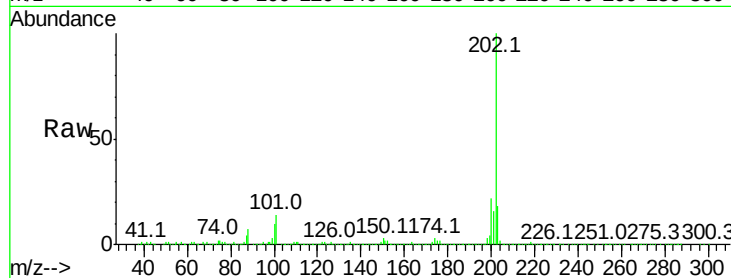
ClientSampleId :

WC-14(0-5)

Tot Ion:	202	Resp:	1076607
Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	34.1
203	18.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

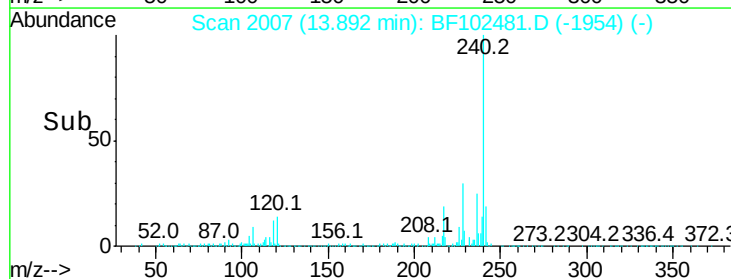
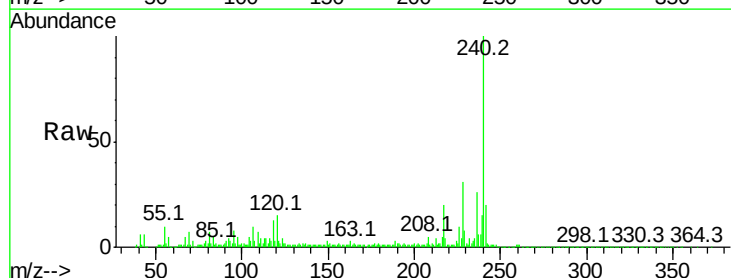
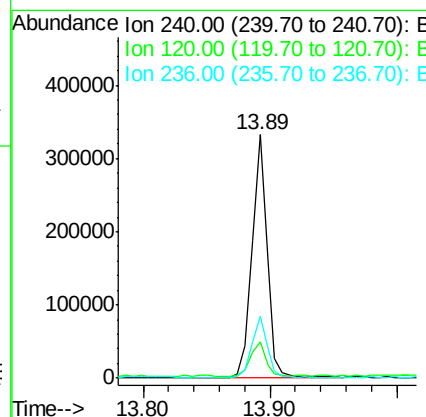
RT: 13.89 min Scan# 2007

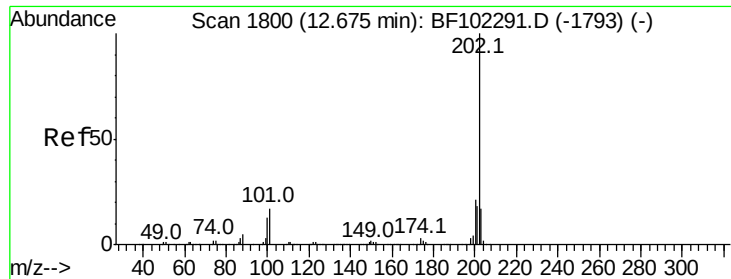
Delta R.T. 0.01 min

Lab File: BF102481.D

Acq: 26 Jan 2018 20:56

Tgt Ion:	240	Resp:	272803
Ion	Ratio	Lower	Upper
240	100		
120	15.1	9.5	14.3#
236	25.6	20.7	31.1





#77

Pvrene

Concen: 43.826 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF102481.D

Acq: 26 Jan 2018 20:56

Instrument :

BNA_F

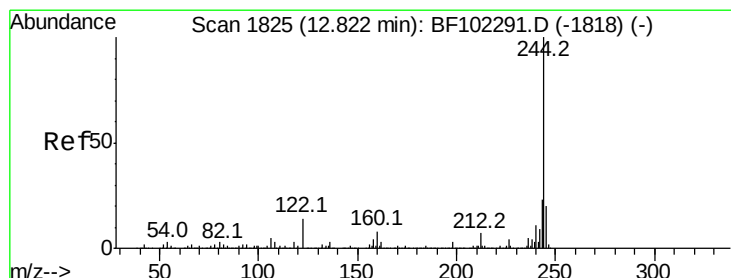
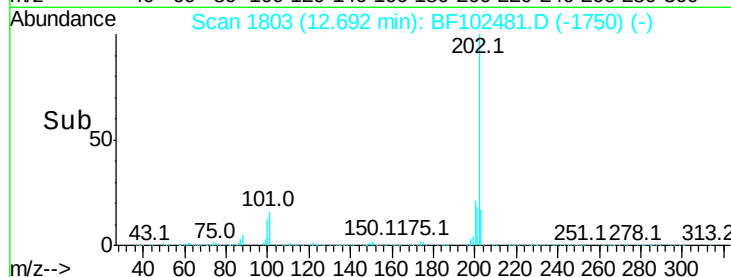
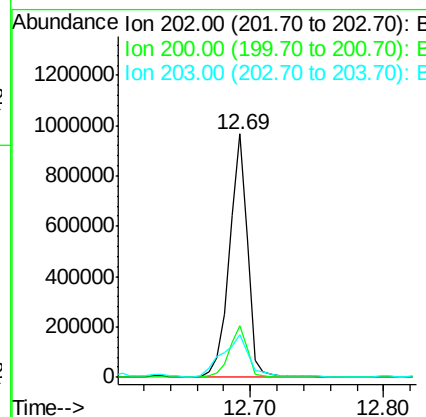
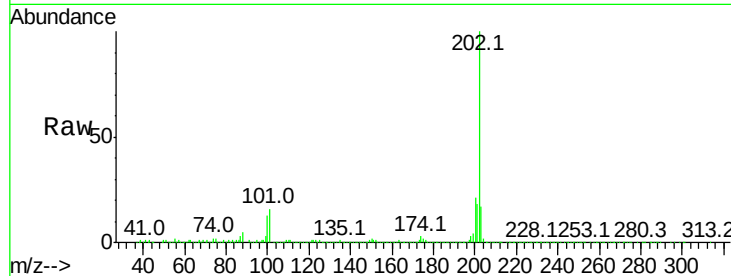
ClientSampleId :

WC-14(0-5)

Tot Ion:	202	Resp:	924380
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.4	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 66.451 ng

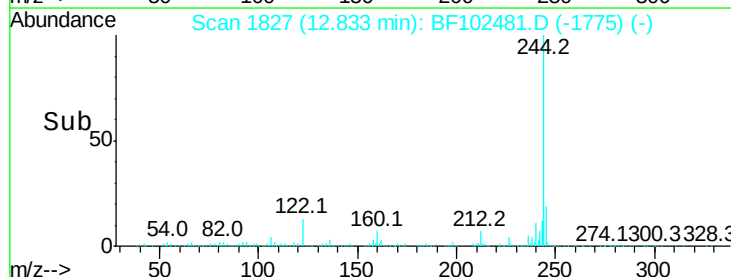
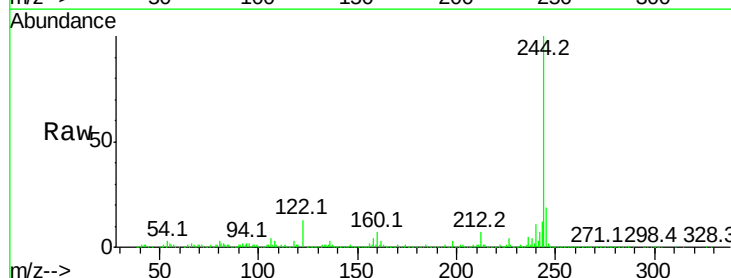
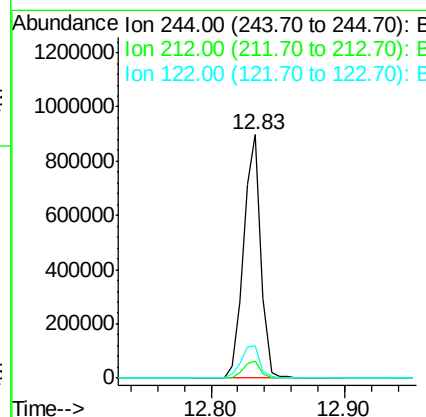
RT: 12.83 min Scan# 1827

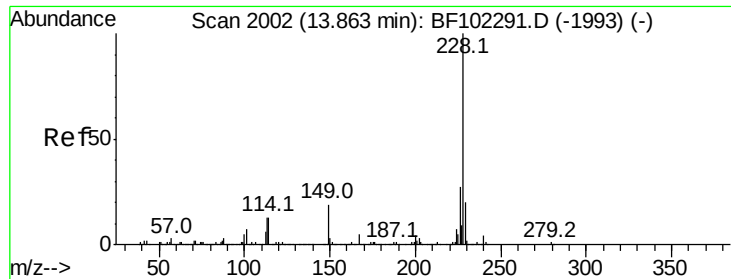
Delta R.T. 0.01 min

Lab File: BF102481.D

Acq: 26 Jan 2018 20:56

Tgt Ion:	244	Resp:	804130
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	13.2	11.0	16.4





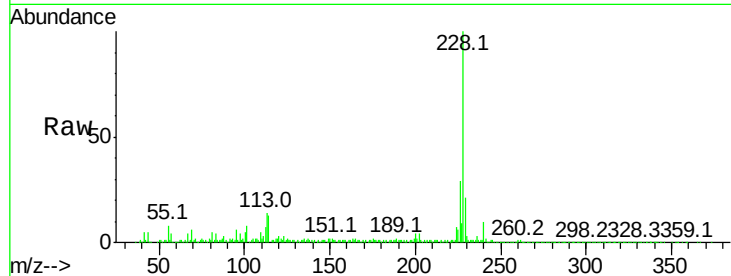
#80
Benzo(a)anthracene
Concen: 26.678 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF102481.D
Acq: 26 Jan 2018 20:56

Instrument :
BNA_F
ClientSampleId :
WC-14(0-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	20.5	15.8	23.6

Manual Integrations
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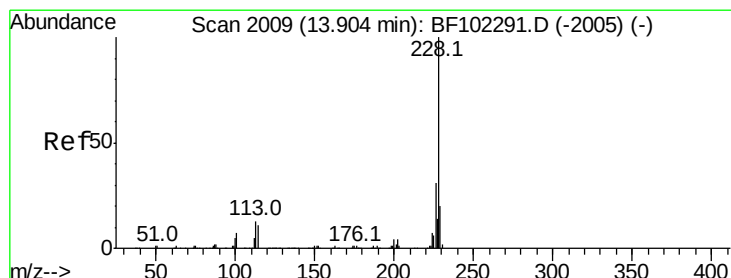
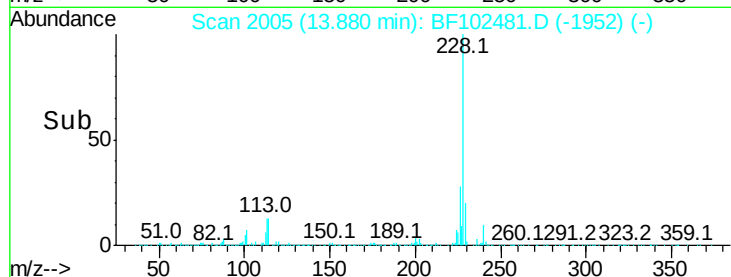
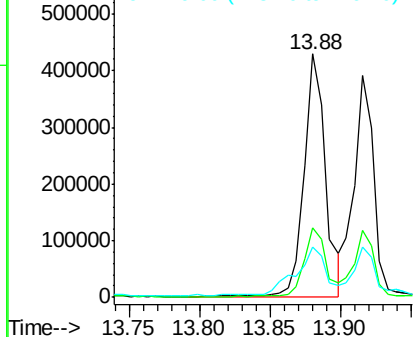


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
Chrysene
Concen: 22.288 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF102481.D
Acq: 26 Jan 2018 20:56

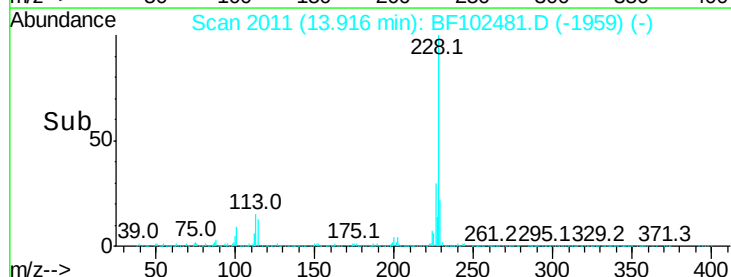
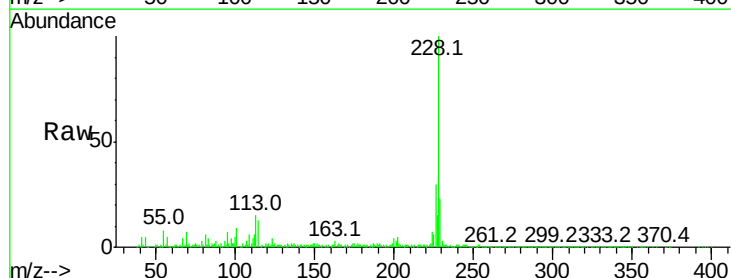
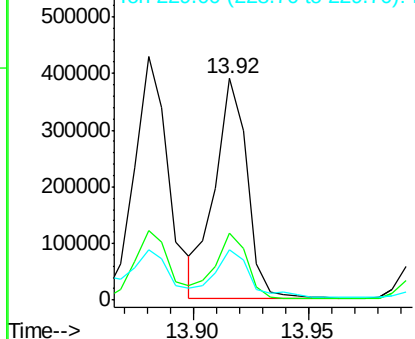
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.9	16.2	24.4

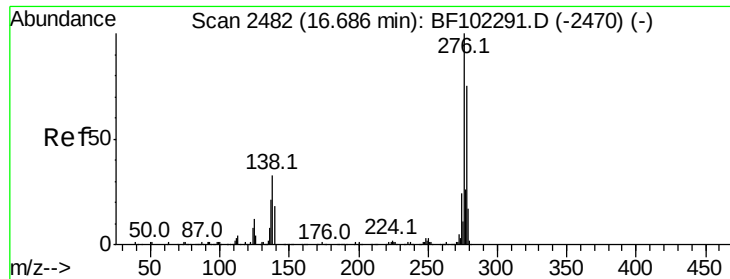
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





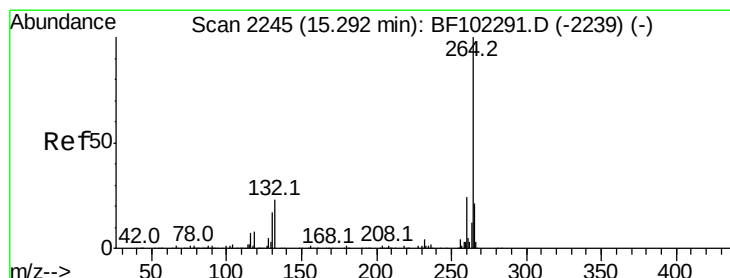
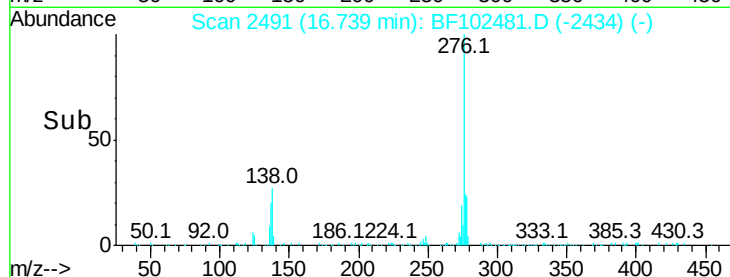
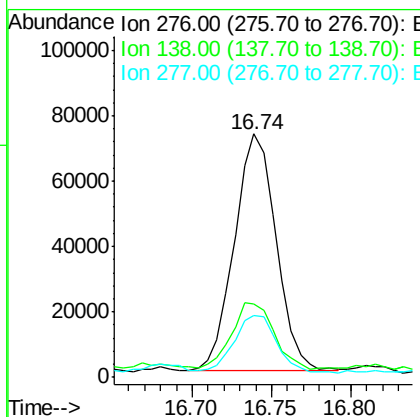
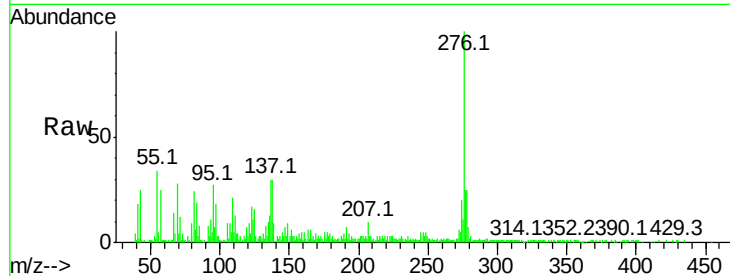
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.395 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.04 min
Lab File: BF102481.D
Acq: 26 Jan 2018 20:56

Instrument :
BNA_F
ClientSampled :
WC-14(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.7	25.0	37.6
277	24.8	20.1	30.1

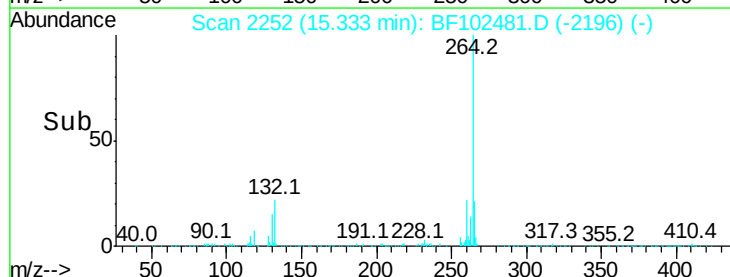
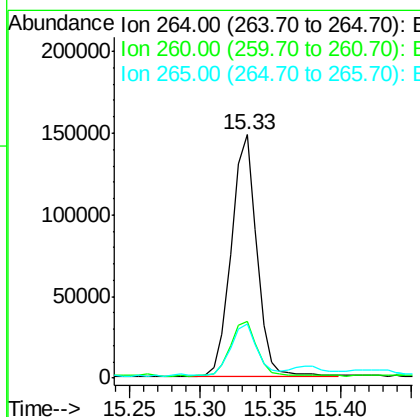
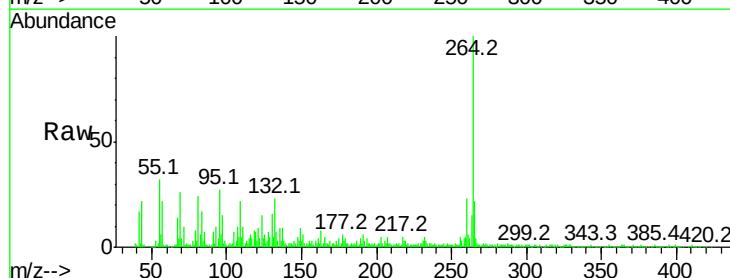
Manual Integrations
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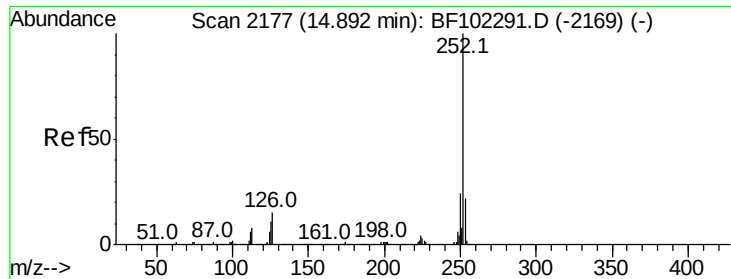
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.03 min
Lab File: BF102481.D
Acq: 26 Jan 2018 20:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 28.999 ng m

RT: 14.92 min Scan# 2182

Delta R.T. 0.02 min

Lab File: BF102481.D

Acq: 26 Jan 2018 20:56

Instrument :

BNA_F

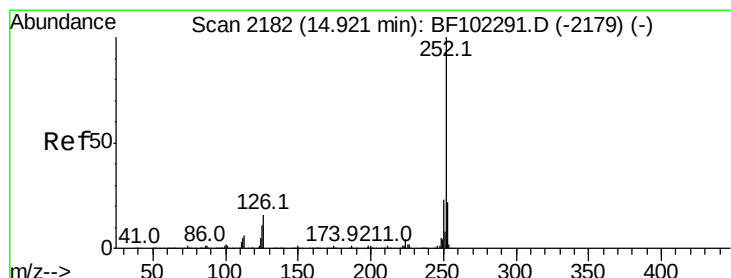
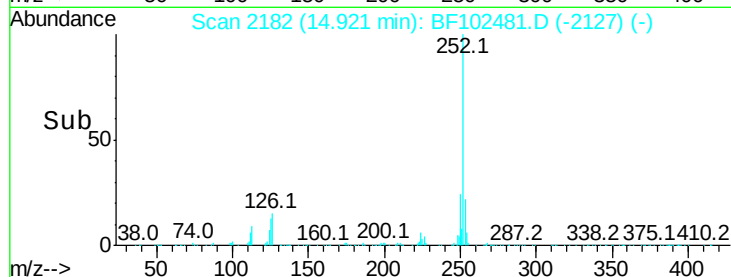
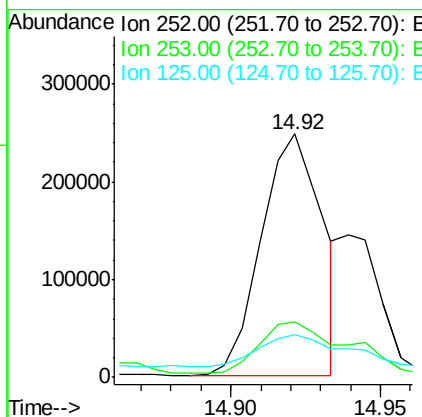
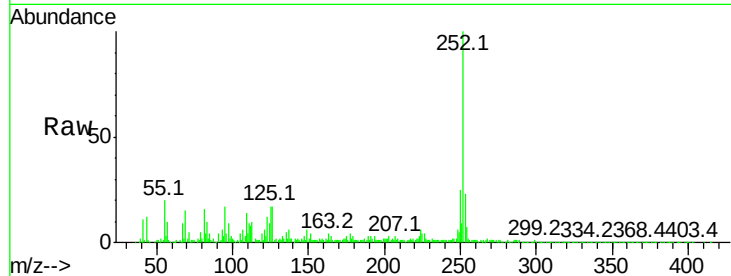
ClientSampleId :

WC-14(0-5)

Tot Ion:	252	Resp:	352279
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.6
125	17.3	9.0	13.6#

Manual Integrations
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1/27/2018 1:47:18 PM



#88

Benzo(k)fluoranthene

Concen: 12.118 ng m

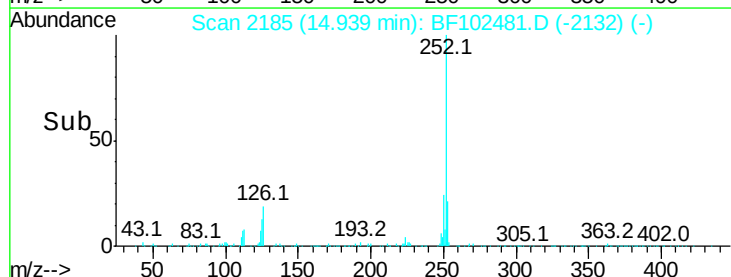
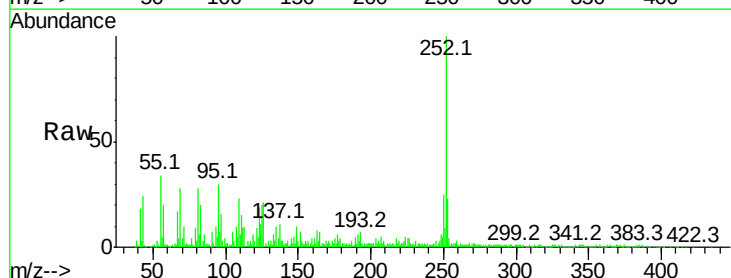
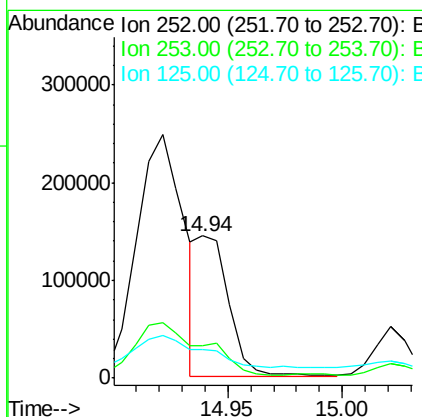
RT: 14.94 min Scan# 2185

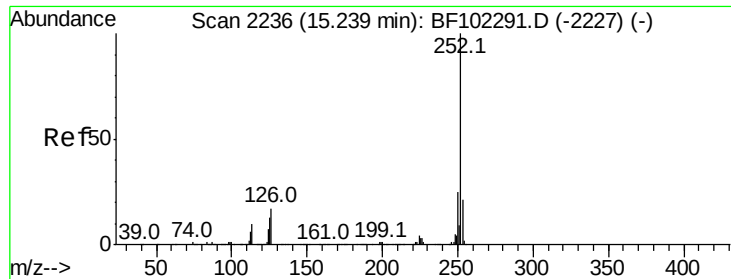
Delta R.T. 0.01 min

Lab File: BF102481.D

Acq: 26 Jan 2018 20:56

Tgt Ion:	252	Resp:	139078
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.9	26.9
125	20.2	10.2	15.2#





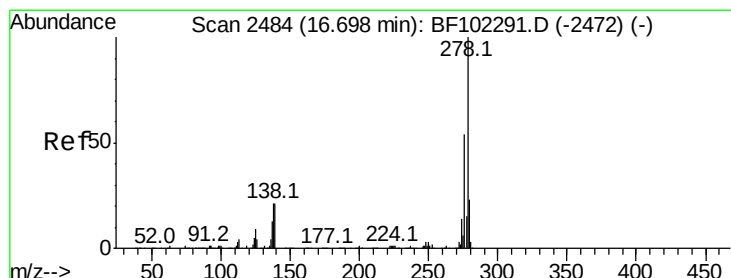
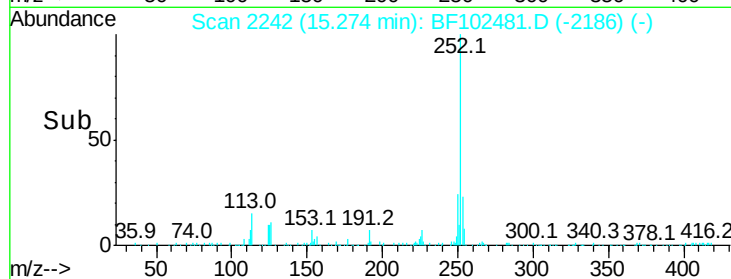
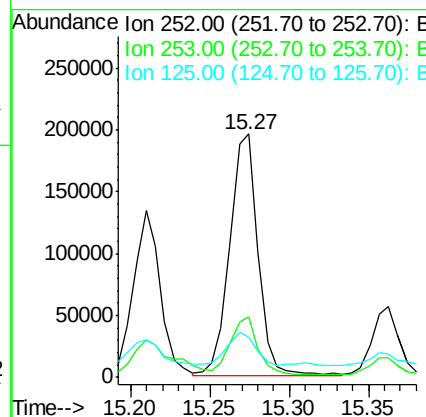
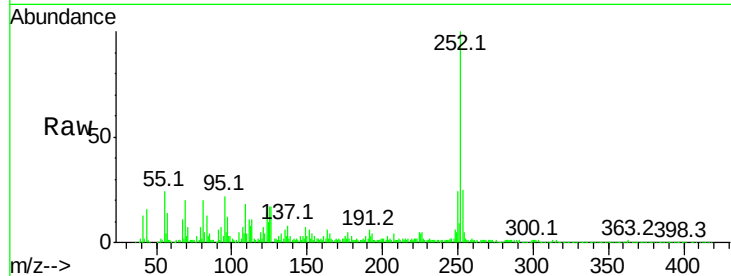
#89
Benzo(a)pyrene
Concen: 21.997 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.03 min
Lab File: BF102481.D
Acq: 26 Jan 2018 20:56

Instrument :
BNA_F
ClientSampled :
WC-14(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	16.7	9.8	14.6

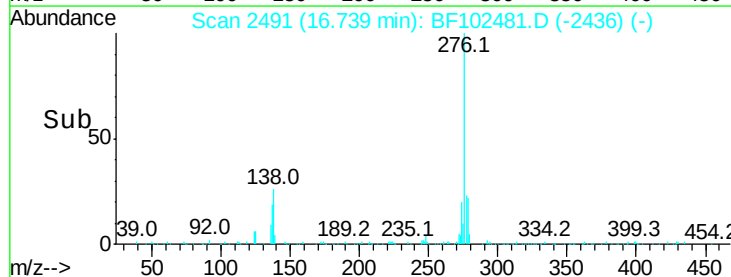
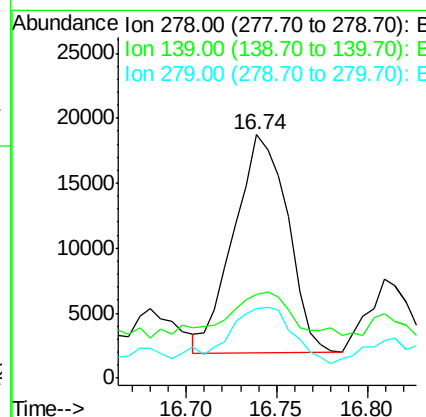
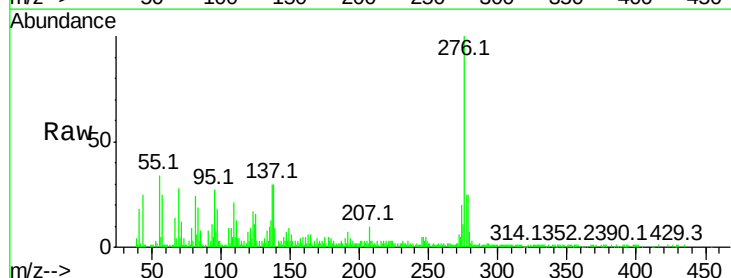
Manual Integrations
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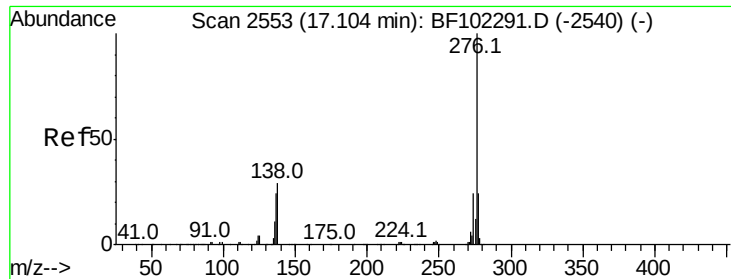
Sohil
1/27/2018 1:47:18 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.896 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.02 min
Lab File: BF102481.D
Acq: 26 Jan 2018 20:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.5	15.9	23.9
279	28.3	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 15.064 ng
 RT: 17.17 min Scan# 2564
 Delta R.T. 0.04 min
 Lab File: BF102481.D
 Acq: 26 Jan 2018 20:56

Instrument :
 BNA_F
 ClientSampleId :
 WC-14(0-5)

Tot Ion:	276	Resp:	132003
Ion Ratio	Lower	Upper	
276	100		
277	25.4	17.9	26.9
138	31.7	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 1/27/2018 1:47:18 PM

