

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102568.D
 Acq On : 28 Jan 2018 20:10
 Operator : SJ/JU
 Sample : J1253-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-01(0-5)

Manual Integrations
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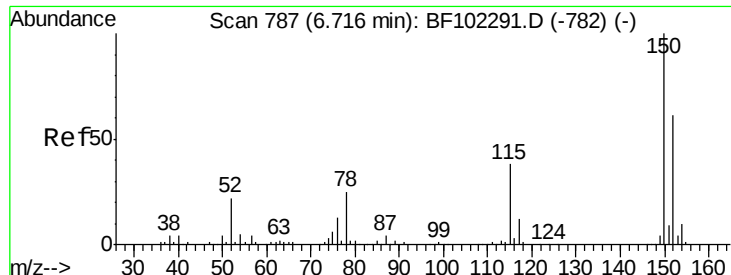
Quant Time: Jan 29 04:38:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	140930	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	555806	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	217085	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	294377	20.00	ng	0.00
75) Chrysene-d12	13.88	240	248508	20.00	ng	0.00
86) Perylene-d12	15.31	264	233426	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	973991	104.79	ng	0.00
7) Phenol-d6	6.36	99	1150882	102.71	ng	0.00
23) Nitrobenzene-d5	7.28	82	716056	74.04	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	172173	80.04	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1114722	75.50	ng	0.00
78) Terphenyl-d14	12.82	244	700763	63.57	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.37	94	51650	4.222	ng	98
31) Naphthalene	8.02	128	79755	2.874	ng	98
48) Acenaphthylene	9.61	152	71697	3.050	ng	99
49) Dimethylphthalate	9.46	163	218153	12.158	ng	97
51) Acenaphthene	9.78	154	28503	2.076	ng	97
54) Dibenzofuran	9.95	168	91246	4.911	ng	98
57) Fluorene	10.29	166	96458	6.552	ng	98
70) Phenanthrene	11.26	178	839235	48.924	ng	99
71) Anthracene	11.31	178	220170	12.575	ng	99
72) Carbazole	11.47	167	71407	4.180	ng	99
74) Fluoranthene	12.45	202	994442	56.848	ng	99
77) Pylene	12.68	202	838576	43.645	ng	99
80) Benzo(a)anthracene	13.87	228	466161m	30.468	ng	
82) Chrysene	13.90	228	430919m	27.735	ng	
85) Indeno(1,2,3-cd)pyrene	16.71	276	163998	12.781	ng	97
87) Benzo(b)fluoranthene	14.90	252	491429m	32.482	ng	
88) Benzo(k)fluoranthene	14.93	252	200642m	14.037	ng	
89) Benzo(a)pyrene	15.25	252	338204	24.786	ng	# 94
90) Dibenzo(a,h)anthracene	16.71	278	45916	4.154	ng	# 84
91) Benzo(a,h,i)perylene	17.13	276	148480	13.605	ng	97

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



#1

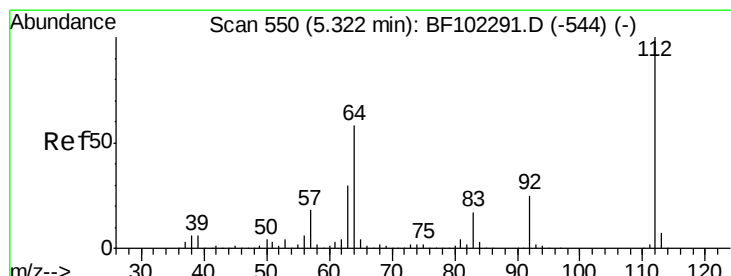
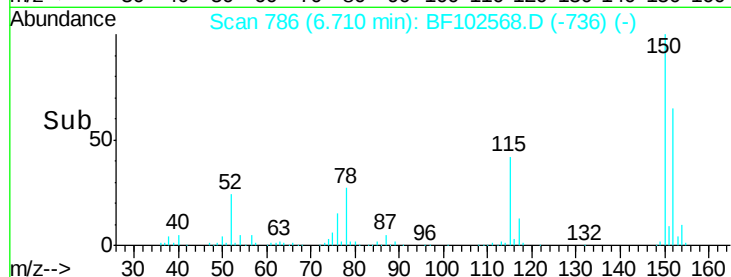
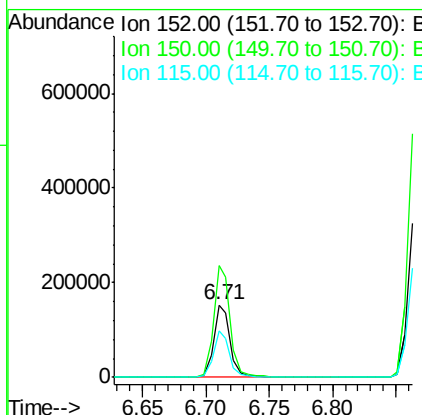
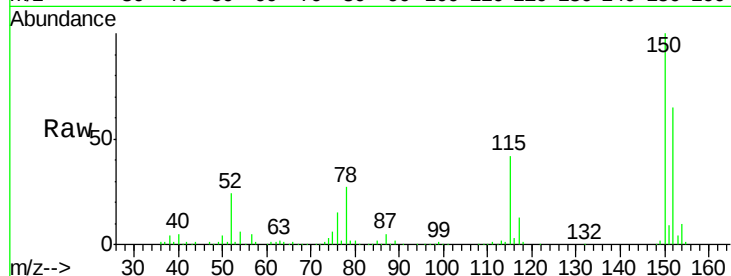
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Instrument :
BNA_F
ClientSampleId :
WC-01(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	64.4	50.1	75.1

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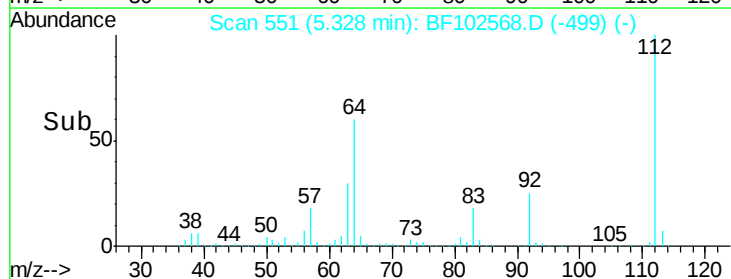
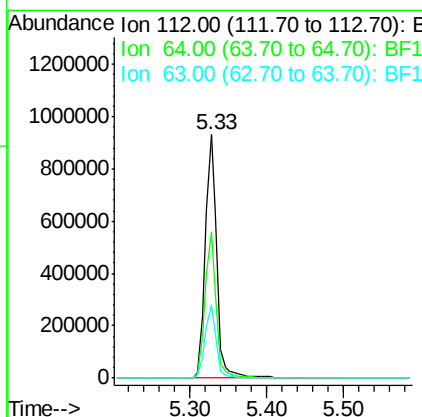
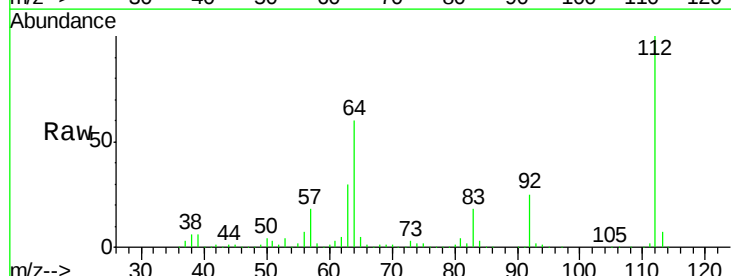
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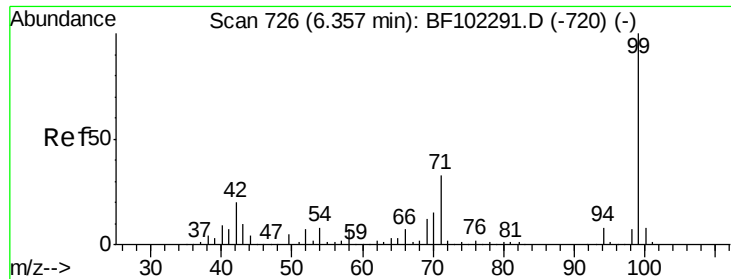


#5

2-Fluorophenol
Concen: 104.791 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.9	71.9
63	29.9	23.7	35.5





#7

Phenol-d6

Concen: 102.707 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102568.D

Acq: 28 Jan 2018 20:10

Instrument :

BNA_F

ClientSampled :

WC-01(0-5)

Tot Ion: 99 Resp: 1150882

Ion Ratio Lower Upper

99 100

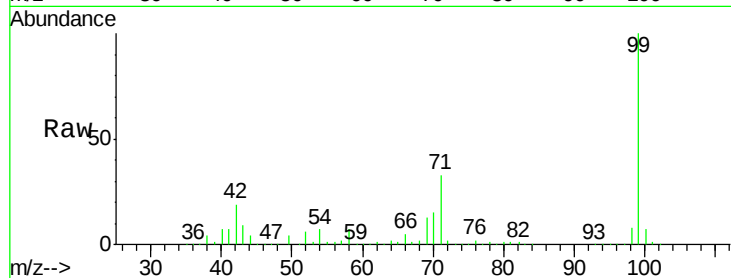
42 18.5 14.5 21.7

71 32.9 25.4 38.0

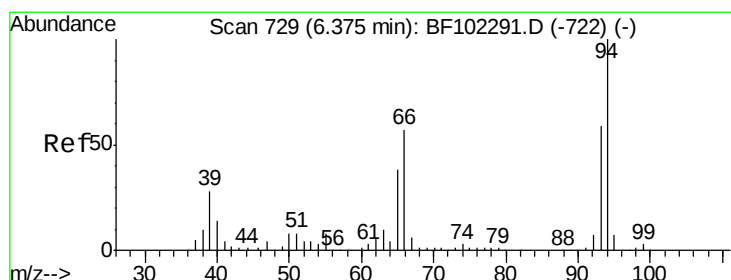
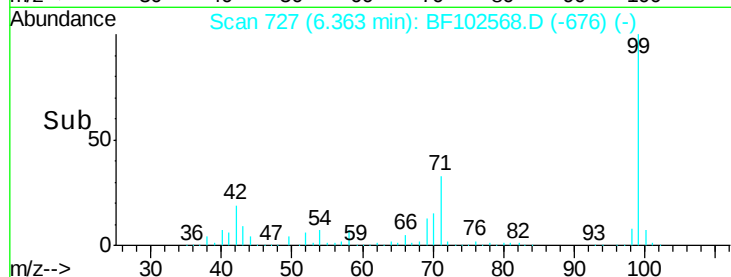
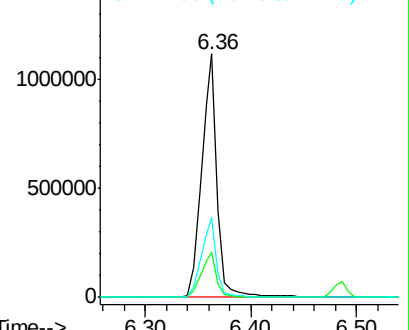
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.222 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102568.D

Acq: 28 Jan 2018 20:10

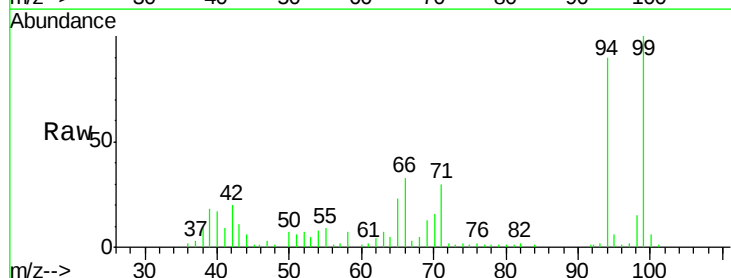
Tgt Ion: 94 Resp: 51650

Ion Ratio Lower Upper

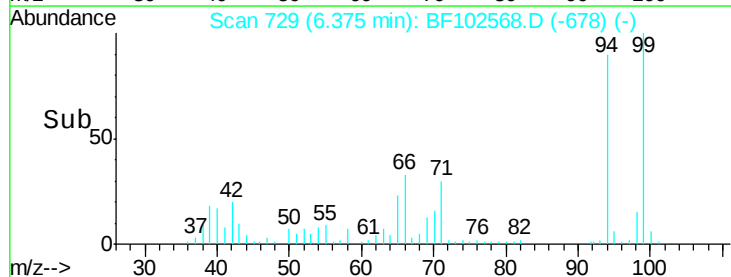
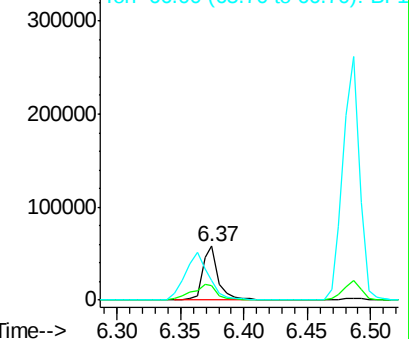
94 100

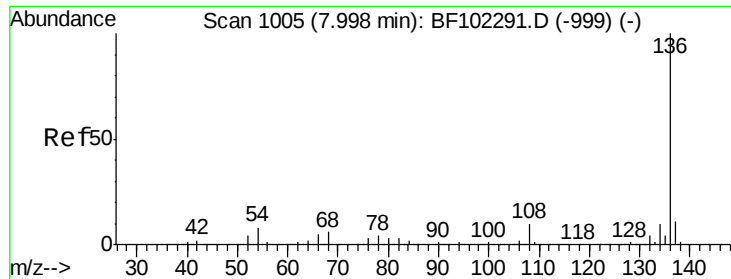
65 25.9 7.9 47.9

66 36.1 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





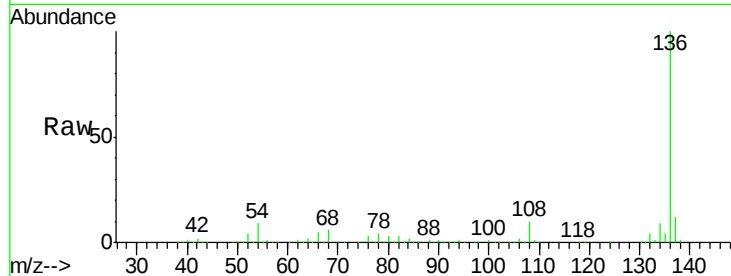
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Instrument :
BNA_F
ClientSampled :
WC-01(0-5)

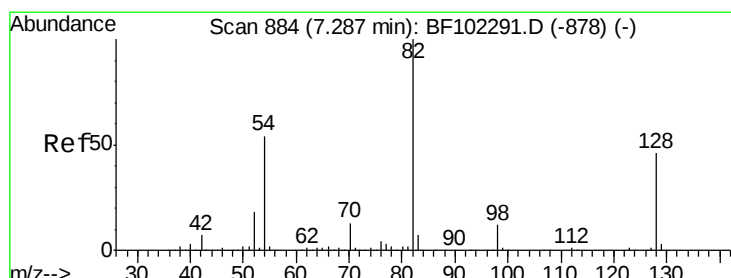
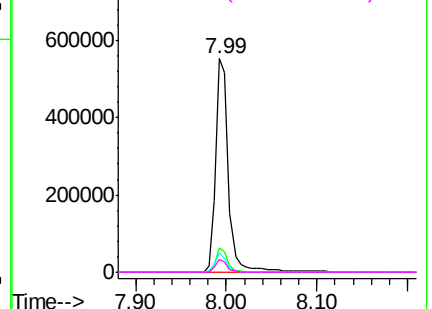
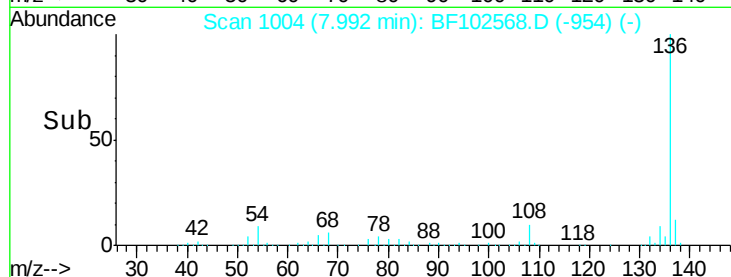
Tot Ion	Ratio	Resp	Lower	Upper
136	100	555806		
137	11.5		8.9	13.3
54	9.1		6.6	9.8
68	6.1		5.0	7.4

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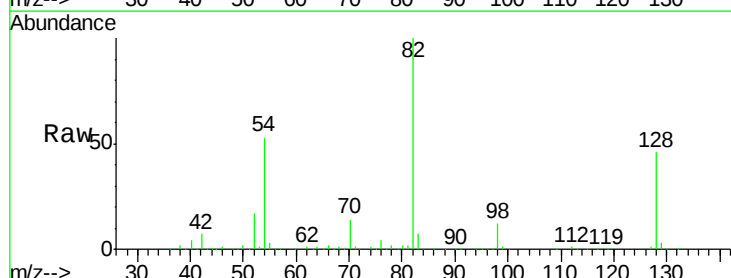


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

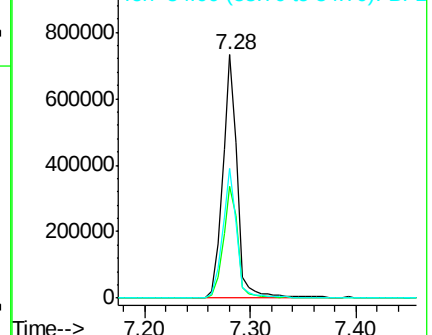
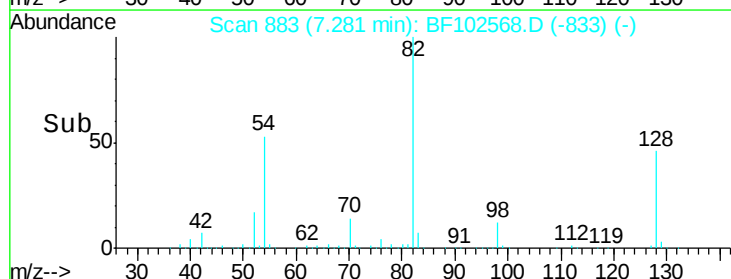


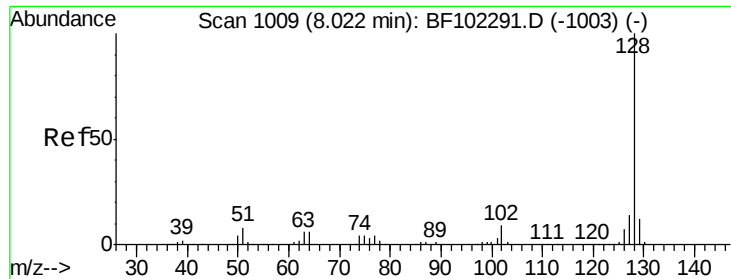
#23
Nitrobenzene-d5
Concen: 74.036 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	716056		
128	45.7		36.1	54.1
54	53.1		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





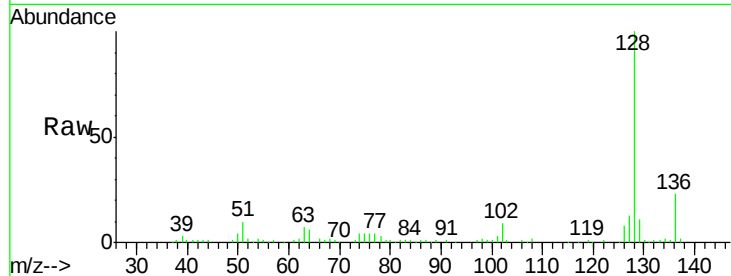
#31
Naphthalene
Concen: 2.874 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Instrument :
BNA_F
ClientSampleId :
WC-01(0-5)

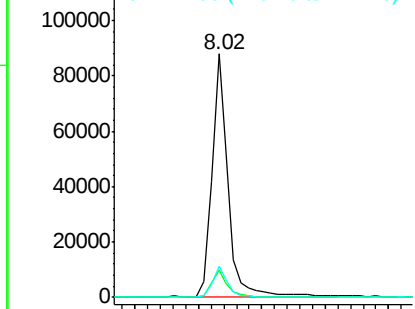
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	12.8	10.9	16.3

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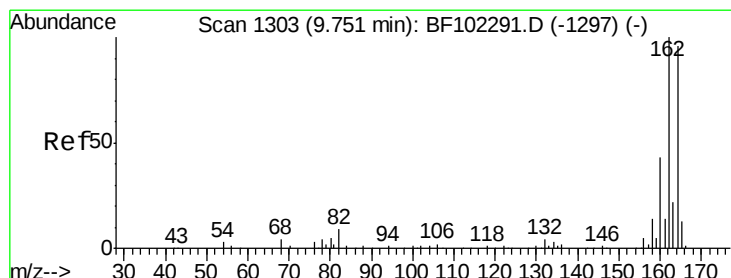
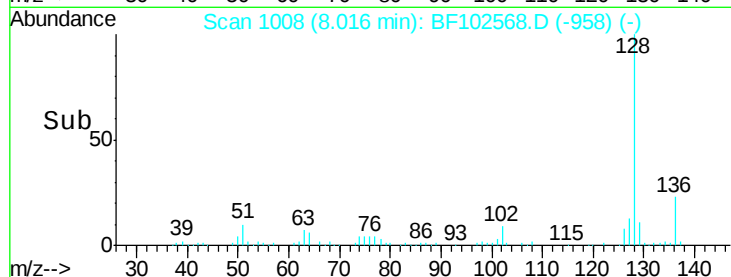
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



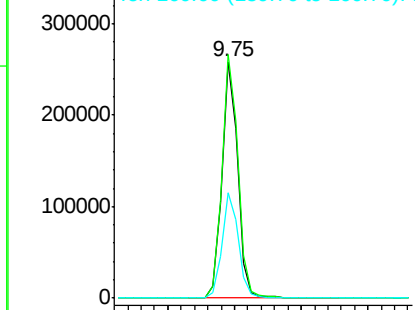
Time-->



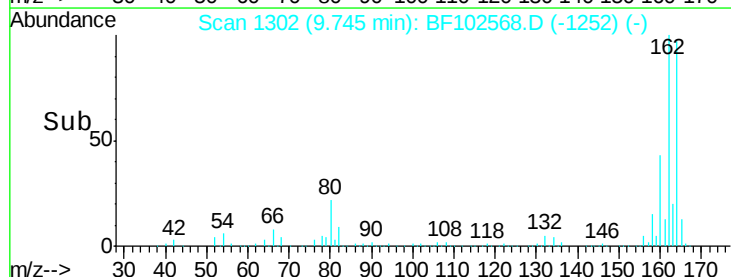
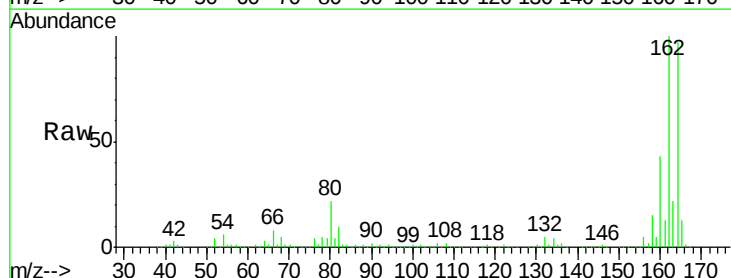
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

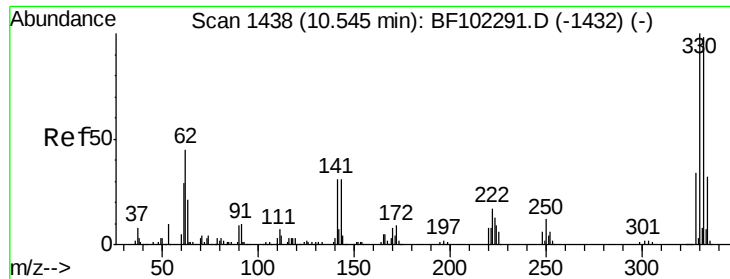
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	86.1	129.1
160	44.5	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->





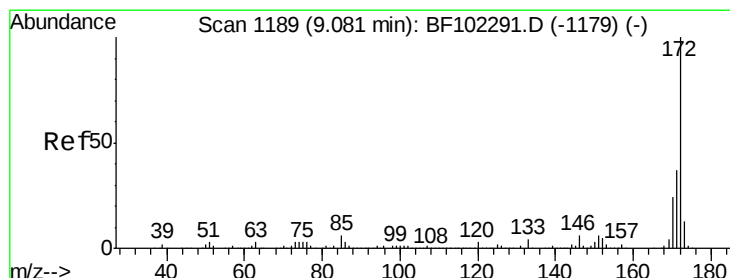
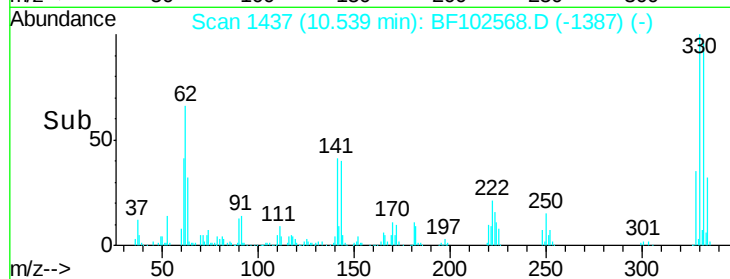
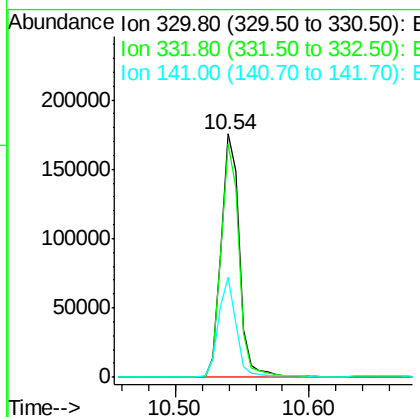
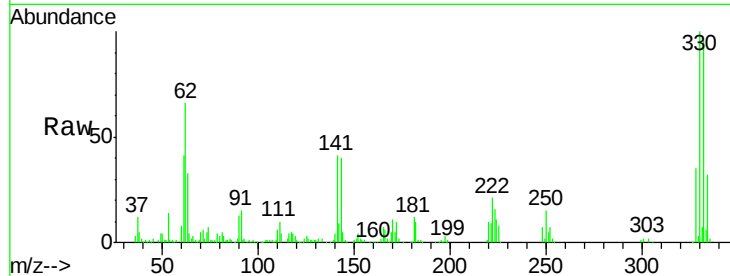
#41
 2,4,6-Tribromophenol
 Concen: 80.043 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102568.D
 Acq: 28 Jan 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :
 WC-01(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	172173		
332	95.1	77.0	115.6	
141	39.6	29.9	44.9	

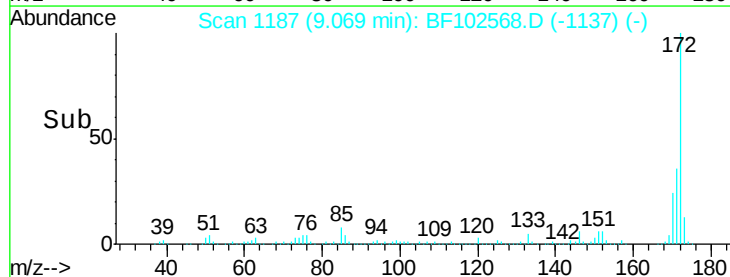
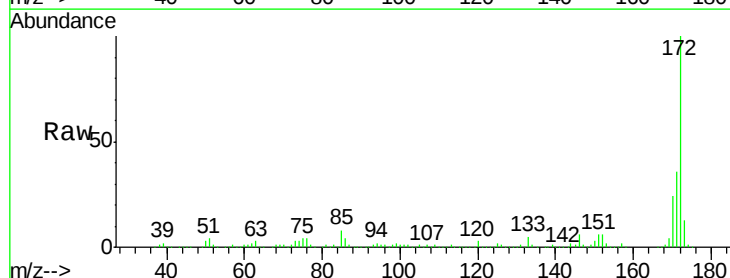
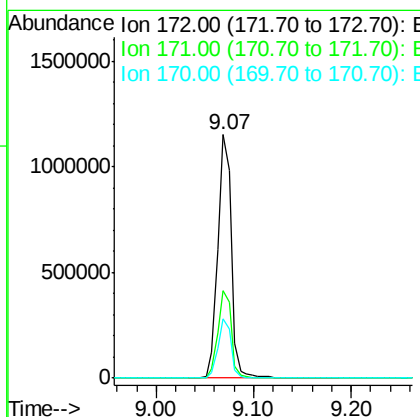
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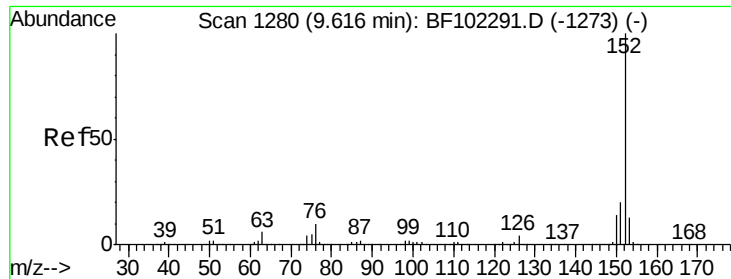
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#44
 2-Fluorobiphenyl
 Concen: 75.502 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102568.D
 Acq: 28 Jan 2018 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1114722		
171	36.1	29.7	44.5	
170	24.3	19.6	29.4	





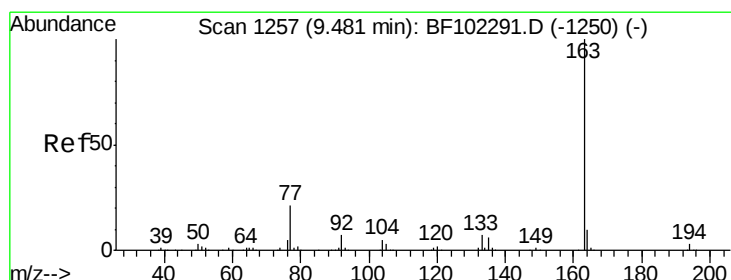
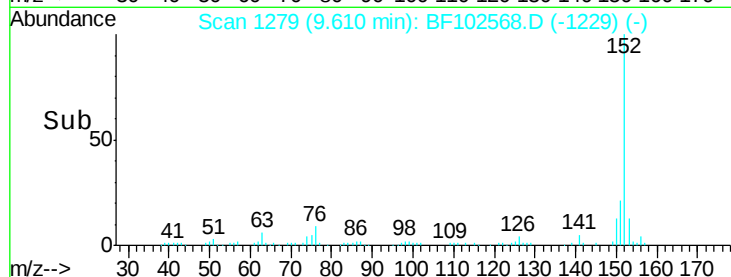
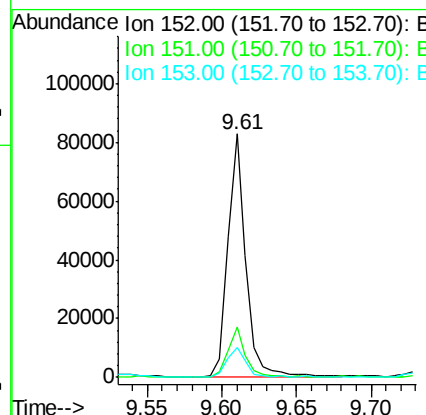
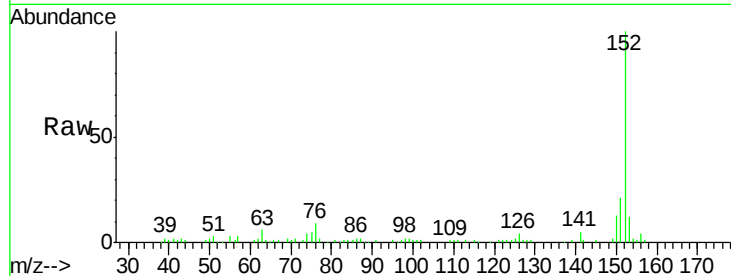
#48
Acenaphthylene
Concen: 3.050 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Instrument :
BNA_F
ClientSampled :
WC-01(0-5)

Tot Ion:	152	Resp:	71697
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.3	24.5
153	12.5	10.7	16.1

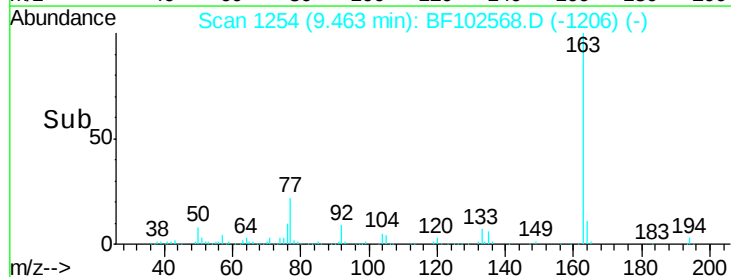
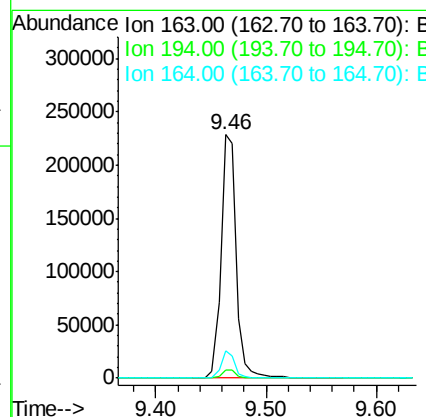
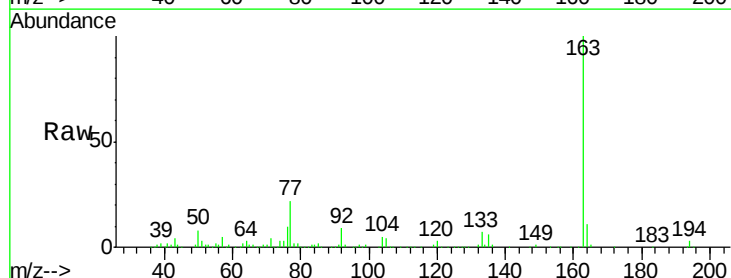
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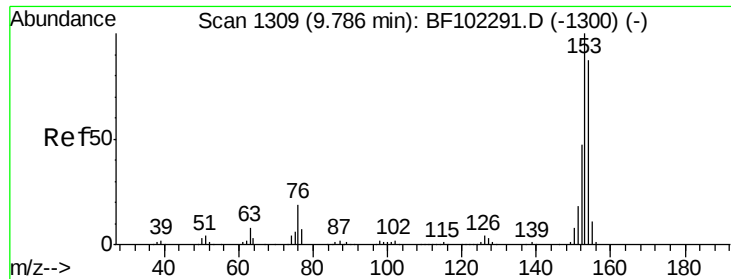
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#49
Dimethylphthalate
Concen: 12.158 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Tgt Ion:	163	Resp:	218153
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	11.4	8.2	12.2





#51

Acenaphthene

Concen: 2.076 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102568.D

Acq: 28 Jan 2018 20:10

Instrument :

BNA_F

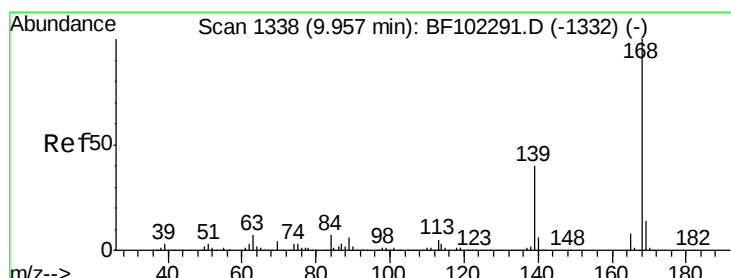
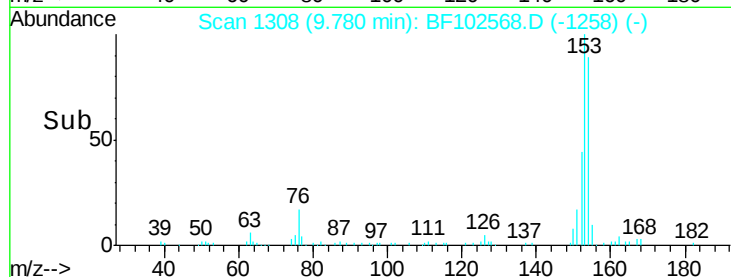
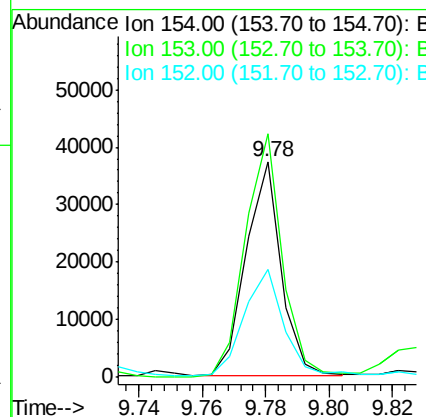
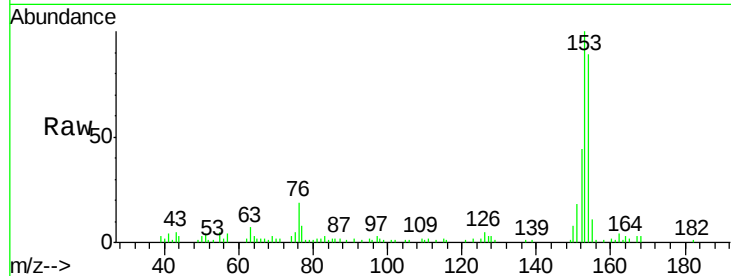
ClientSampled :

WC-01(0-5)

Tot Ion:	154	Resp:	28503
Ion Ratio	Lower	Upper	
154	100		
153	112.7	91.2	136.8
152	49.9	43.8	65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 4.911 ng

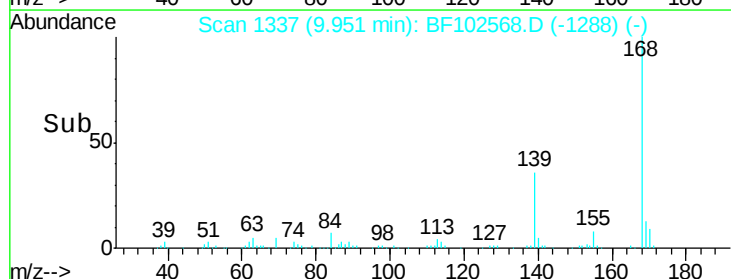
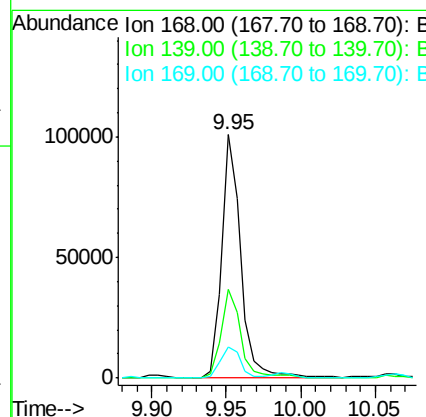
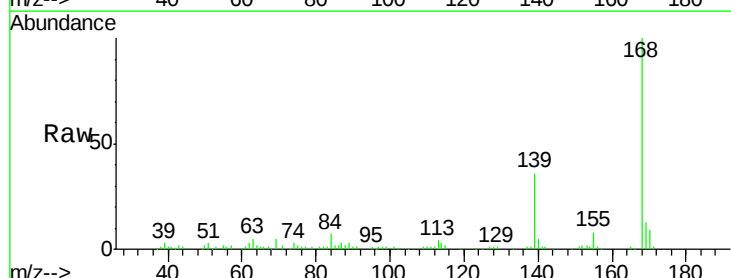
RT: 9.95 min Scan# 1337

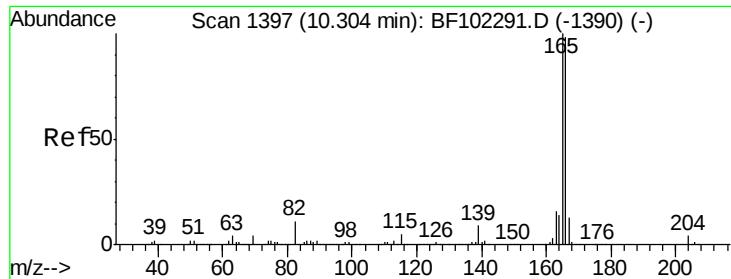
Delta R.T. -0.01 min

Lab File: BF102568.D

Acq: 28 Jan 2018 20:10

Tgt Ion:	168	Resp:	91246
Ion Ratio	Lower	Upper	
168	100		
139	36.3	30.1	45.1
169	13.0	10.9	16.3





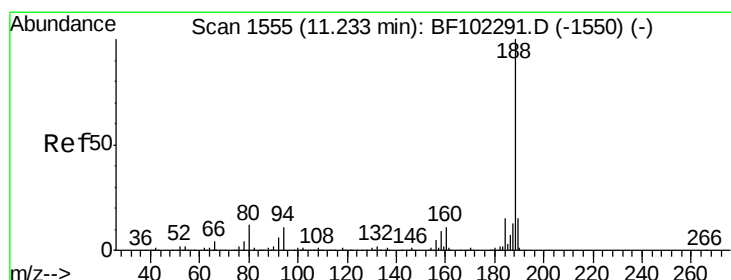
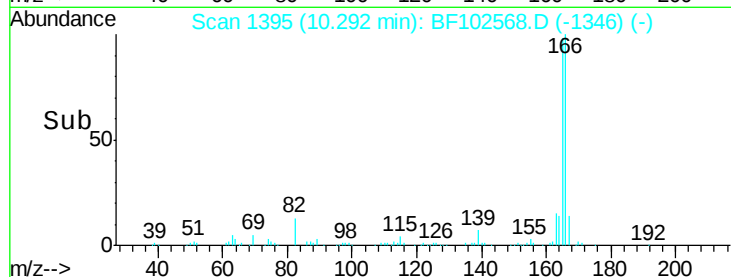
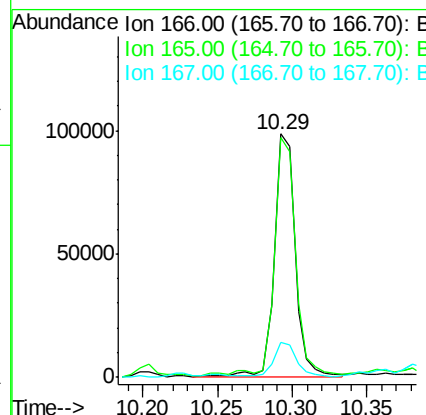
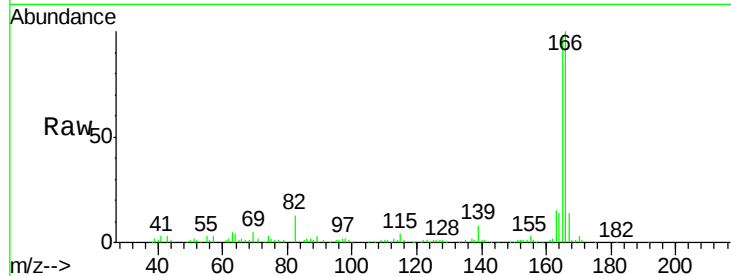
#57
Fluorene
 Concen: 6.552 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF102568.D
 Acq: 28 Jan 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :
 WC-01(0-5)

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.8	119.8
167	14.3	10.6	16.0

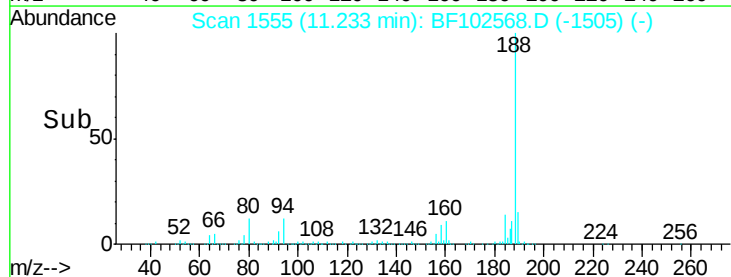
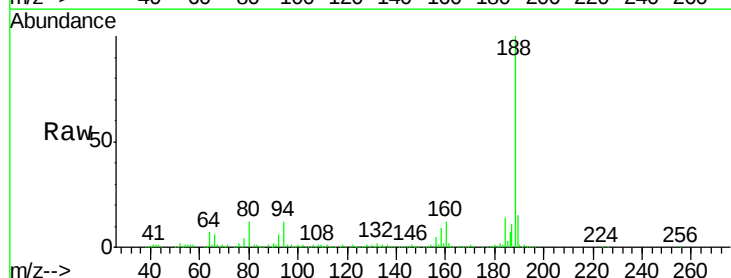
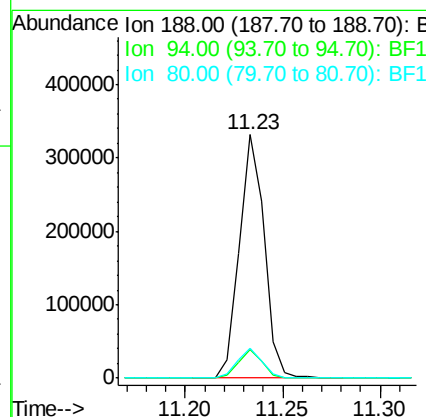
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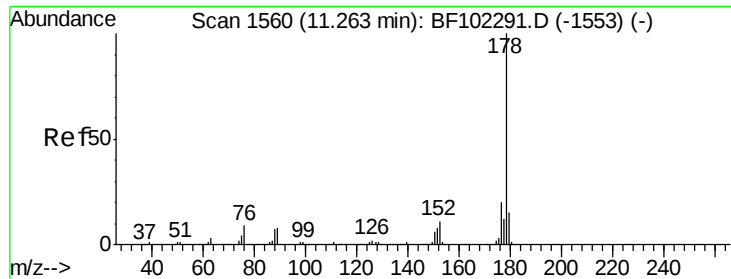
Sohil
 1/29/2018 5:48:26 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102568.D
 Acq: 28 Jan 2018 20:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	8.5	12.7
80	12.4	9.2	13.8





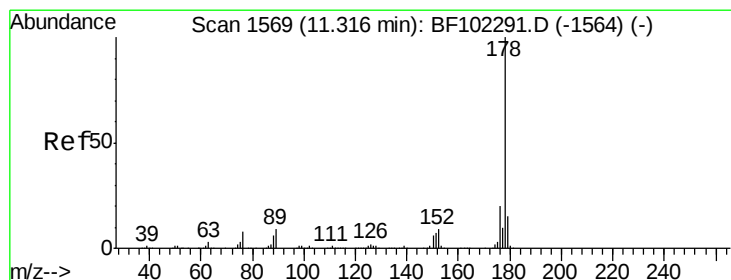
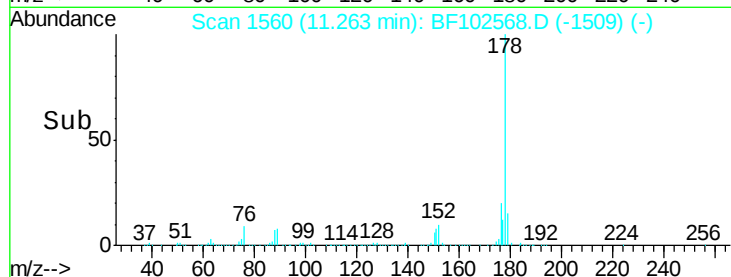
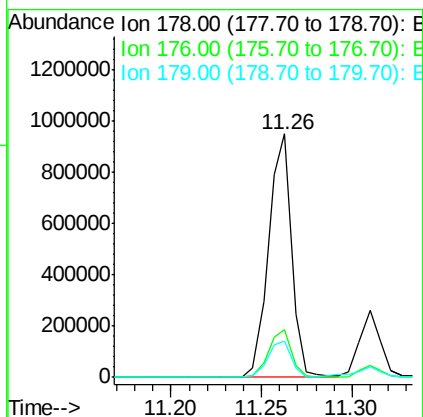
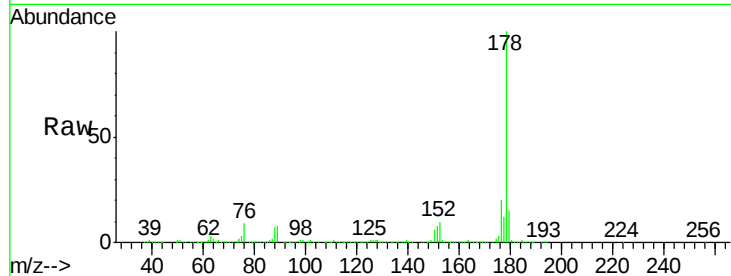
#70
Phenanthrene
Concen: 48.924 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Instrument :
BNA_F
ClientSampleId :
WC-01(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.1	13.0	19.6

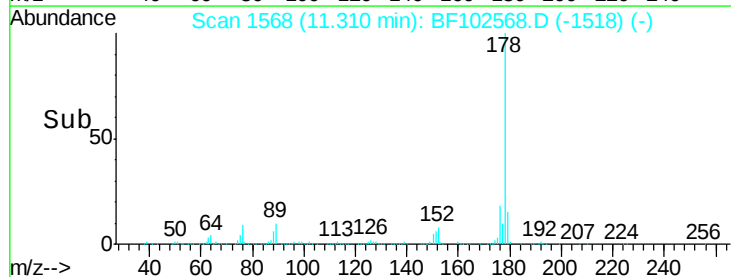
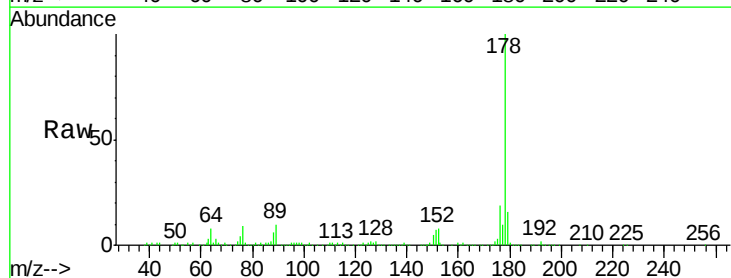
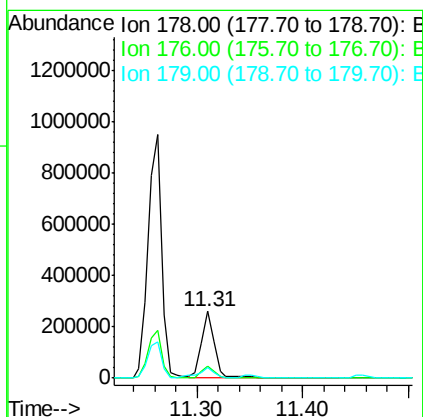
Manual Integrations
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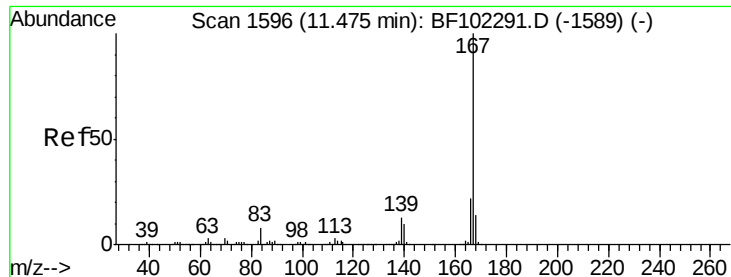
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#71
Anthracene
Concen: 12.575 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.6	12.6	19.0





#72

Carbazole

Concen: 4.180 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF102568.D

Acq: 28 Jan 2018 20:10

Instrument :

BNA_F

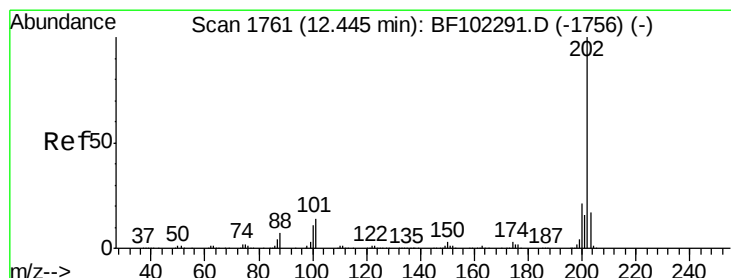
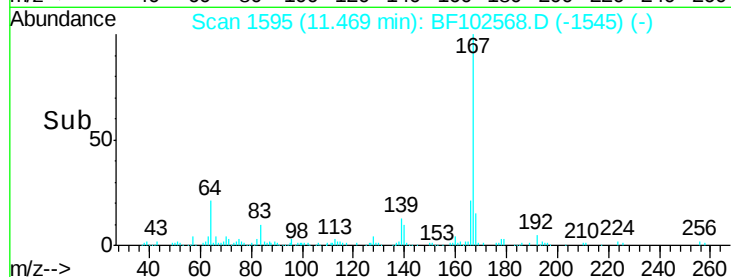
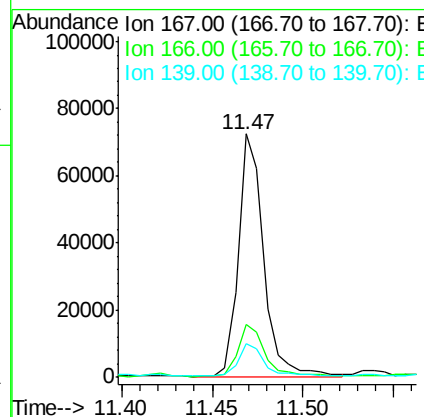
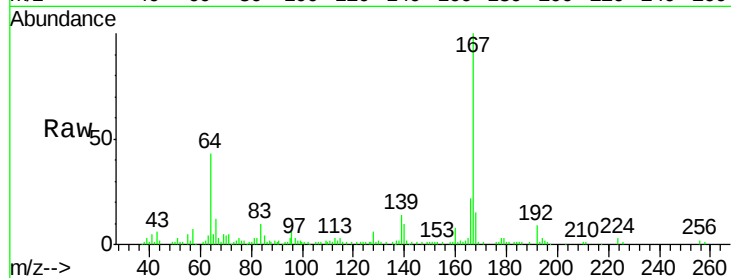
ClientSampled :

WC-01(0-5)

Tot Ion:	167	Resp:	71407
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.6	26.4
139	13.9	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 56.848 ng

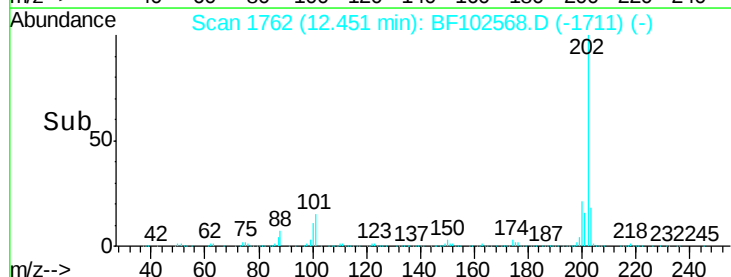
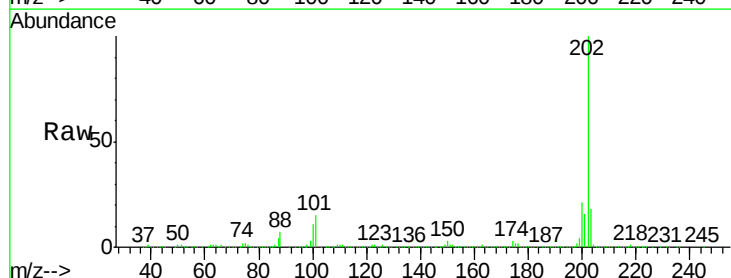
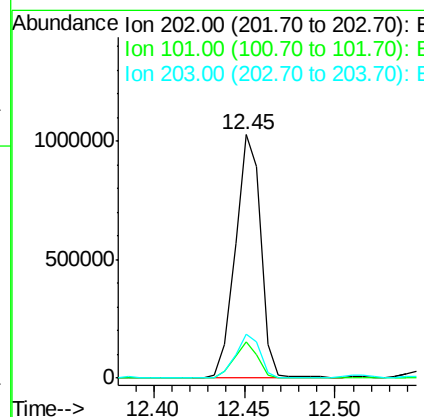
RT: 12.45 min Scan# 1762

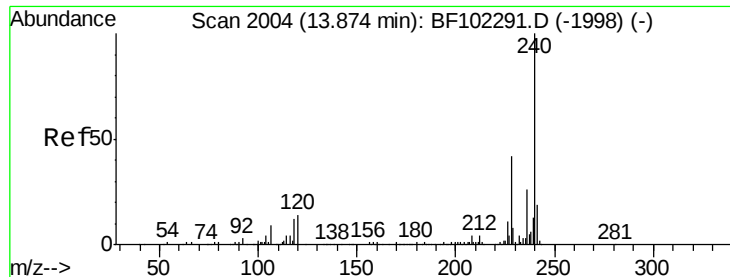
Delta R.T. 0.00 min

Lab File: BF102568.D

Acq: 28 Jan 2018 20:10

Tgt Ion:	202	Resp:	994442
Ion Ratio	Lower	Upper	
202	100		
101	14.7	0.0	34.1
203	17.8	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: BF102568.D

Acq: 28 Jan 2018 20:10

Instrument :

BNA_F

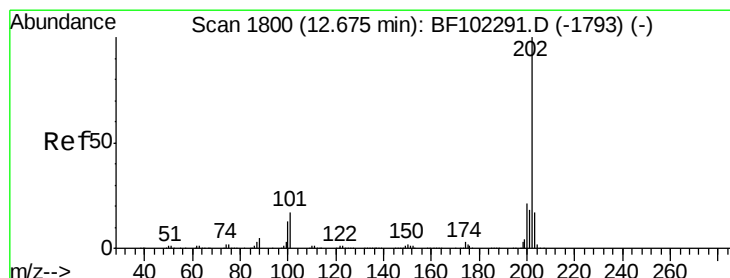
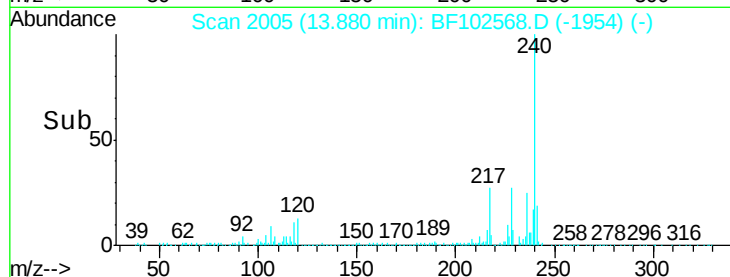
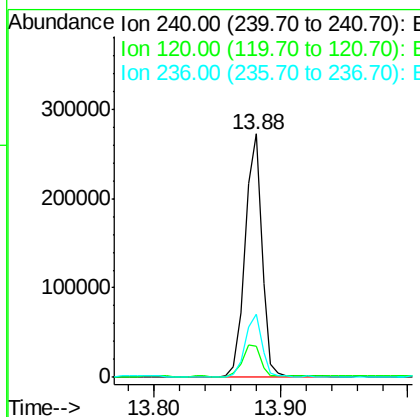
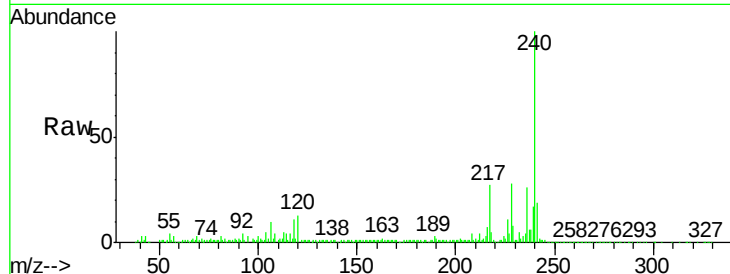
ClientSampled :

WC-01(0-5)

Tot Ion:	240	Resp:	248508
Ion Ratio	Lower	Upper	
240	100		
120	13.0	9.5	14.3
236	25.8	20.7	31.1

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#77

Pyrene

Concen: 43.645 ng

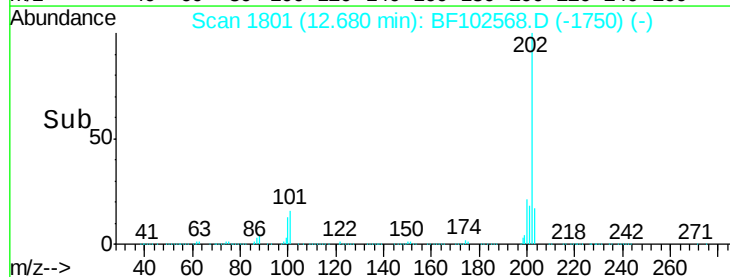
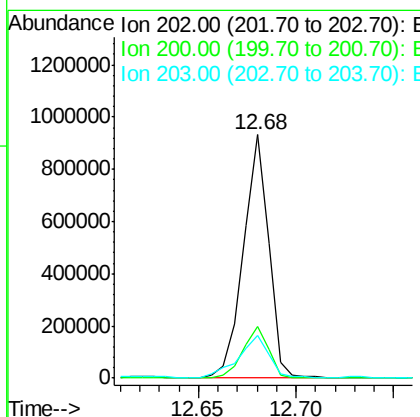
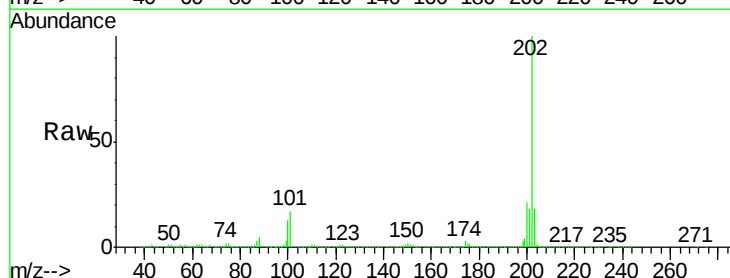
RT: 12.68 min Scan# 1801

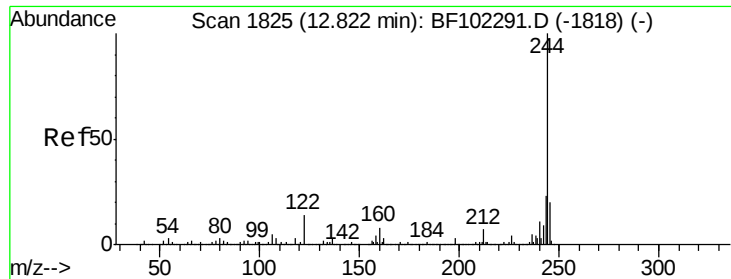
Delta R.T. 0.00 min

Lab File: BF102568.D

Acq: 28 Jan 2018 20:10

Tgt Ion:	202	Resp:	838576
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.6	14.3	21.5





#78

Terphenyl-d14

Concen: 63.570 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102568.D

Acq: 28 Jan 2018 20:10

Instrument :

BNA_F

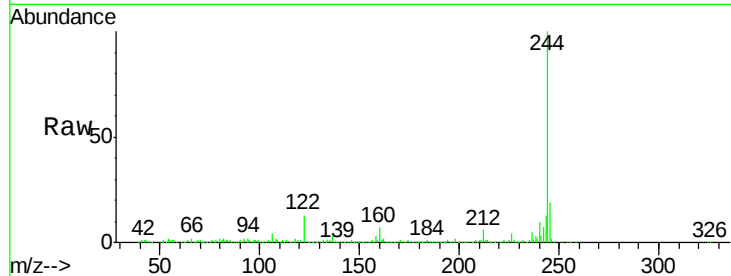
ClientSampleId :

WC-01(0-5)

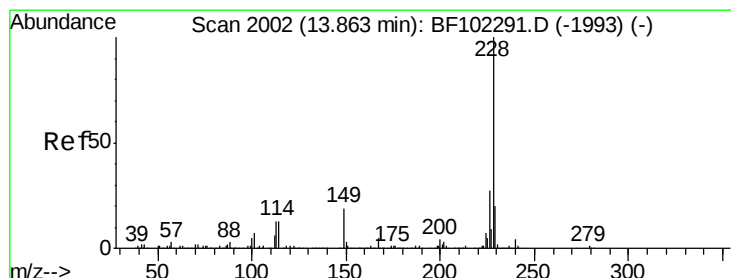
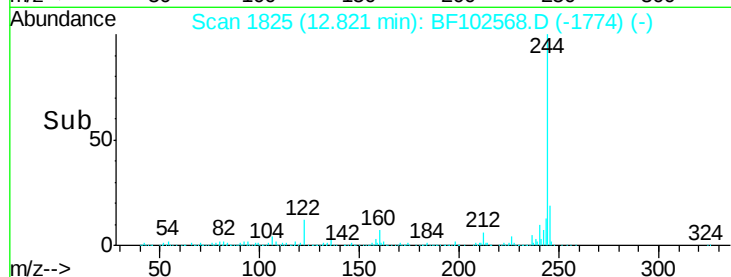
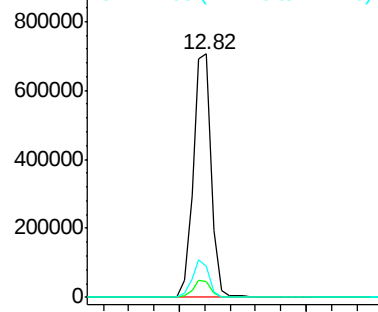
Tot Ion:	244	Resp:	700763
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	12.6	11.0	16.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 30.468 ng m

RT: 13.87 min Scan# 2003

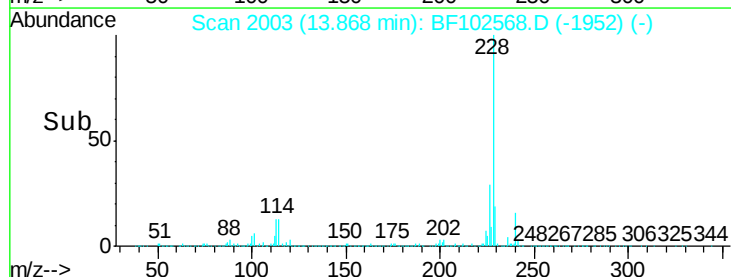
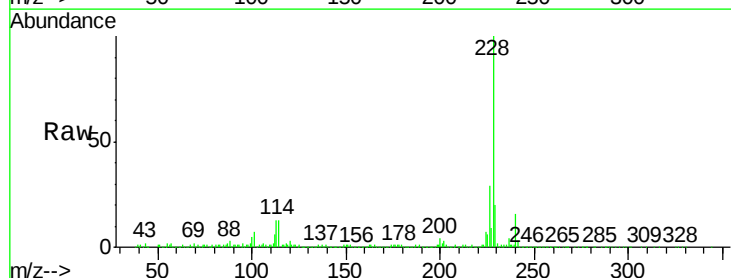
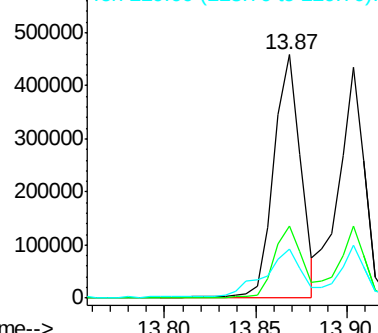
Delta R.T. 0.00 min

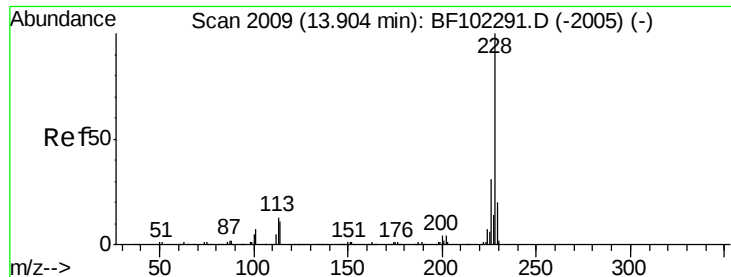
Lab File: BF102568.D

Acq: 28 Jan 2018 20:10

Tgt Ion:	228	Resp:	466161
Ion Ratio	Lower	Upper	
228	100		
226	29.4	22.6	33.8
229	20.0	15.8	23.6

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





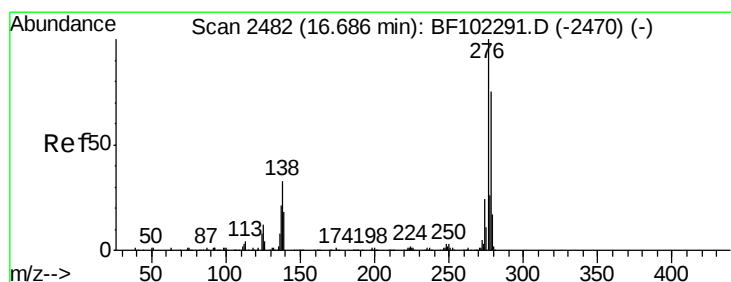
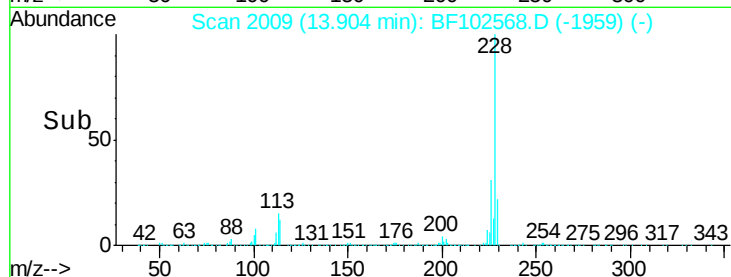
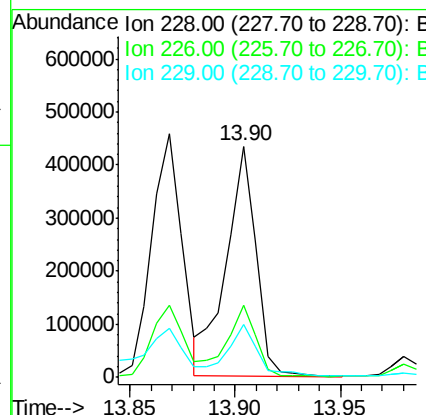
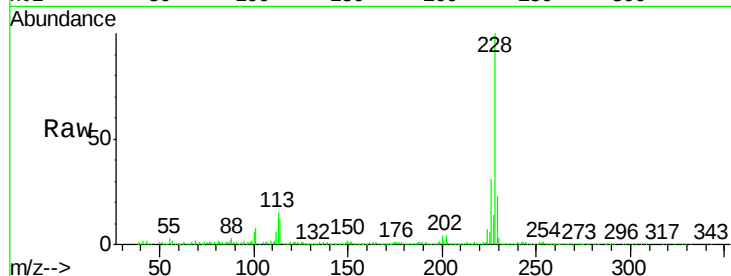
#82
Chrysene
Concen: 27.735 ng/mL
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Instrument :
BNA_F
ClientSampleId :
WC-01(0-5)

Tot Ion:	228	Resp:	430919
Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.8	16.2	24.4

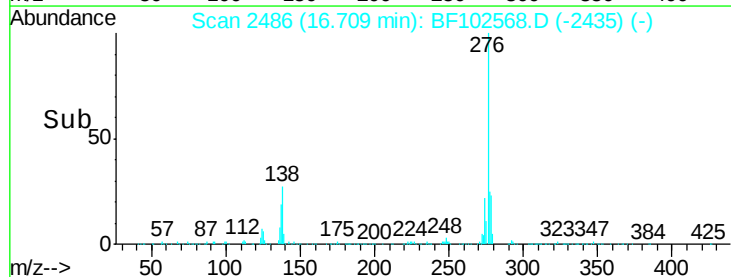
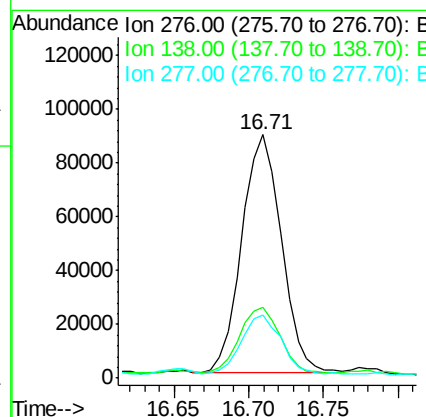
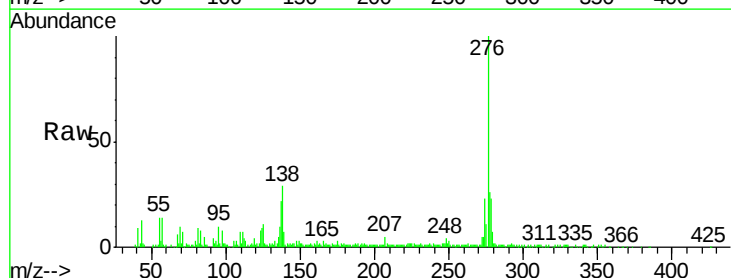
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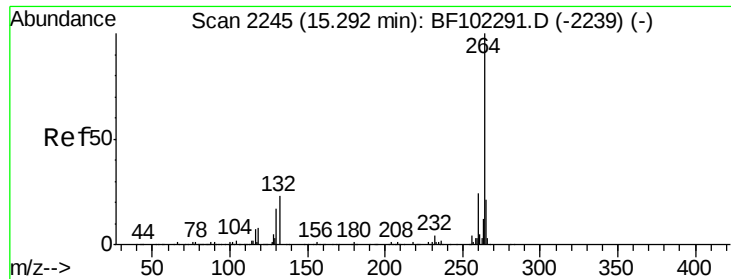
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 12.781 ng
RT: 16.71 min Scan# 2486
Delta R.T. 0.00 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Tgt Ion:	276	Resp:	163998
Ion	Ratio	Lower	Upper
276	100		
138	28.6	25.0	37.6
277	24.6	20.1	30.1





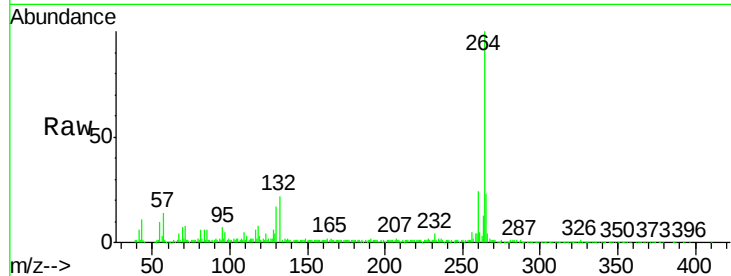
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Instrument :
BNA_F
ClientSampleId :
WC-01(0-5)

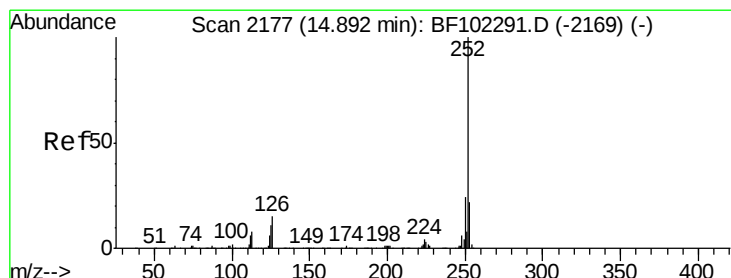
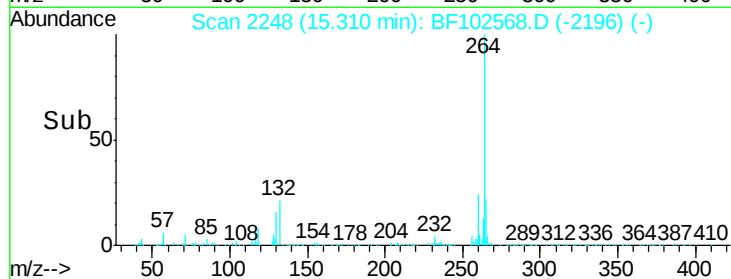
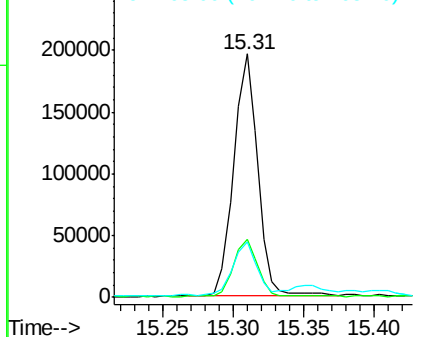
Tot Ion:	264	Resp:	233426
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	22.8	17.5	26.3

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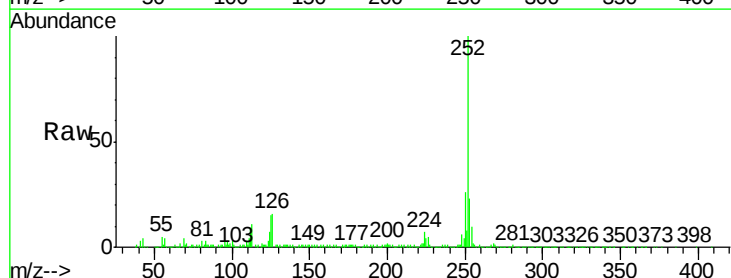


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

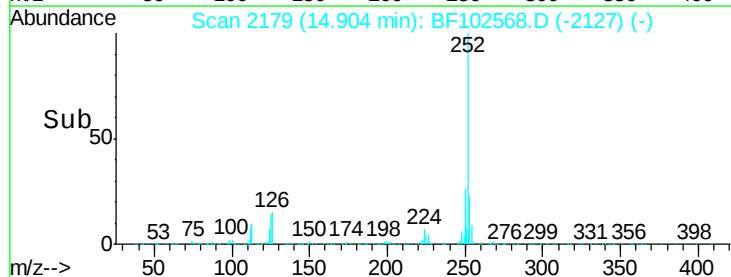
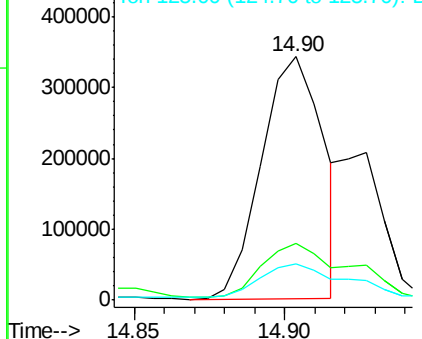


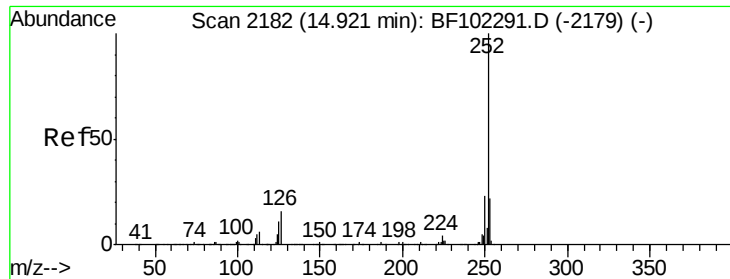
#87
Benzo(b)fluoranthene
Concen: 32.482 ng m
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Tgt Ion:	252	Resp:	491429
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	15.1	9.0	13.6#



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





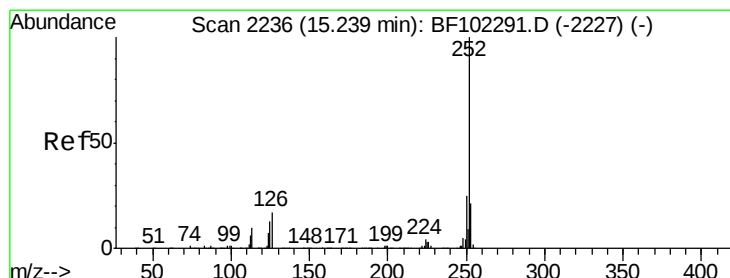
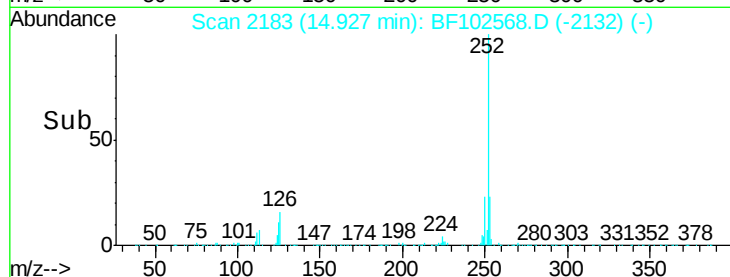
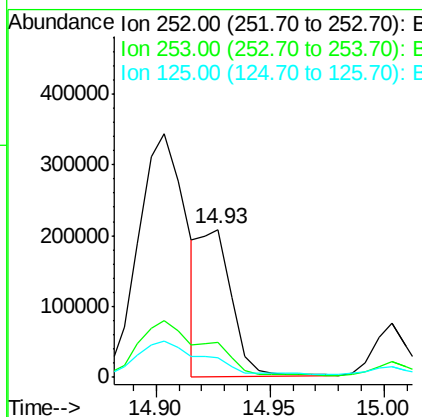
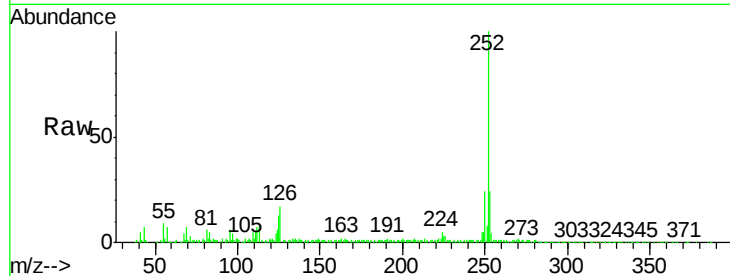
#88
Benzo(k)fluoranthene
Concen: 14.037 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.00 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Instrument :
BNA_F
ClientSampleId :
WC-01(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	13.2	10.2	15.2

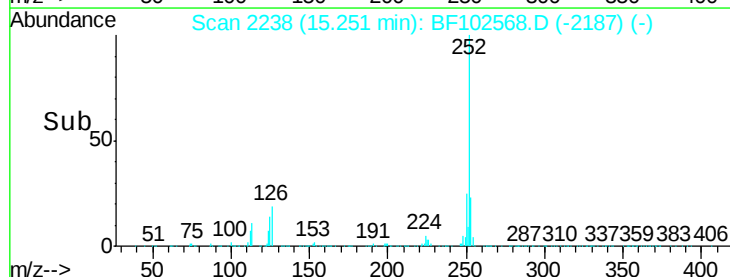
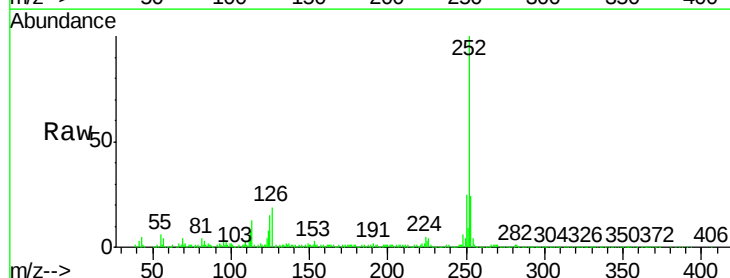
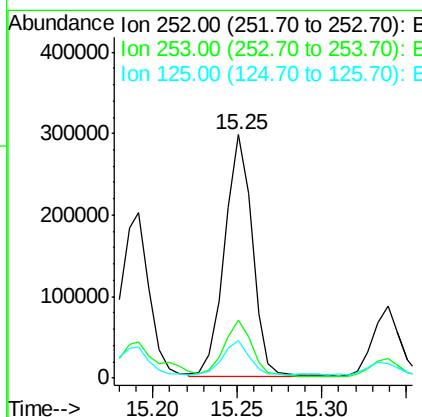
Manual Integrations
APPROVED

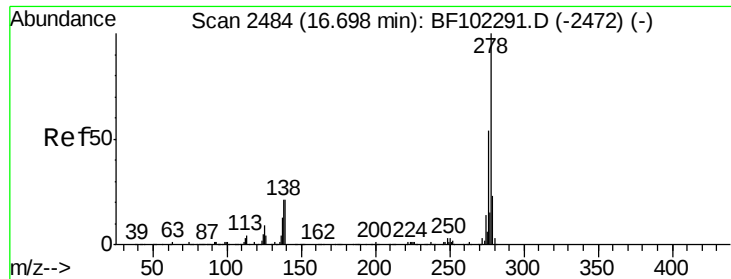
Sohil
1/29/2018 5:48:26 PM



#89
Benzo(a)pyrene
Concen: 24.786 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	15.3	9.8	14.6#





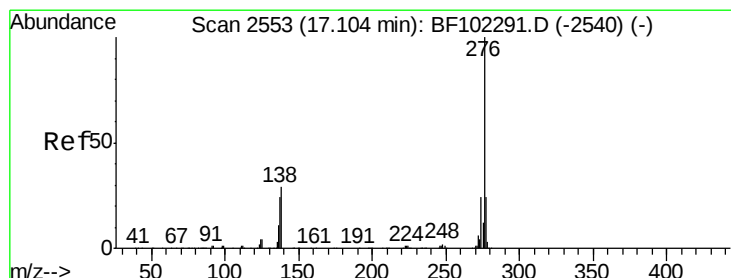
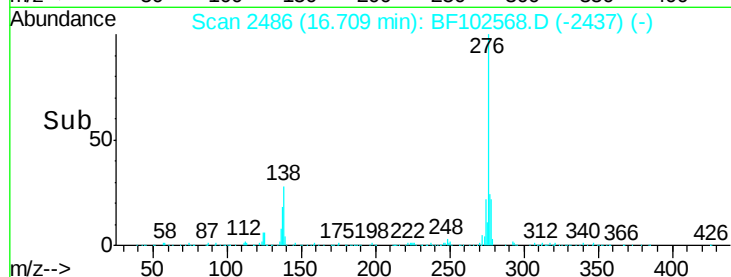
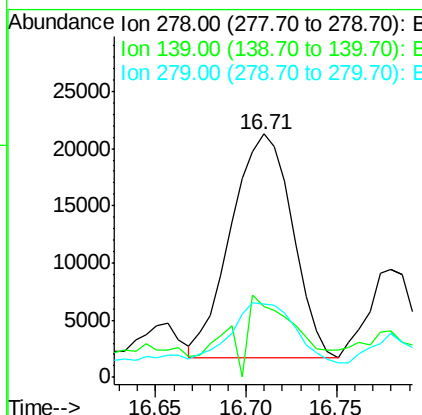
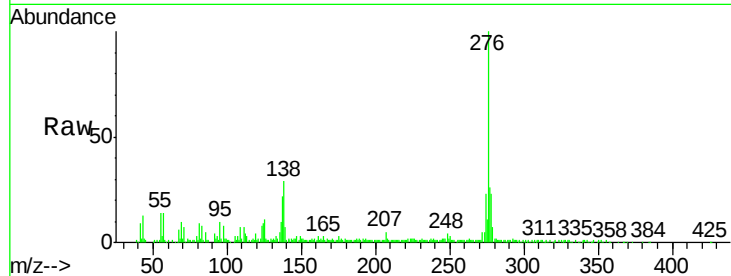
#90
Dibenzo(a,h)anthracene
Concen: 4.154 ng
RT: 16.71 min Scan# 2486
Delta R.T. -0.01 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Instrument :
BNA_F
ClientSampleId :
WC-01(0-5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.3	15.9	23.9#
279	30.1	19.0	28.4#

Manual Integrations
APPROVED

Sohil
1/29/2018 5:48:26 PM



#91
Benzo(g,h,i)perylene
Concen: 13.605 ng
RT: 17.13 min Scan# 2558
Delta R.T. 0.00 min
Lab File: BF102568.D
Acq: 28 Jan 2018 20:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	28.8	21.8	32.8

