

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103986.D
 Acq On : 27 Mar 2018 22:32
 Operator : JU/SJ
 Sample : J2071-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-MH-D-D

Manual Integrations
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 3/28/2018 4:54:37 PM

Quant Time: Mar 28 11:22:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	146190	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	568335	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	242304	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	348650	20.00	ng	0.00
75) Chrysene-d12	14.17	240	215071	20.00	ng	0.00
86) Perylene-d12	15.73	264	203483	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	957719	99.64	ng	0.02
7) Phenol-d6	6.61	99	1154810	98.21	ng	0.01
23) Nitrobenzene-d5	7.53	82	676615	83.02	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	229791	110.30	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1072652	70.62	ng	0.00
78) Terphenyl-d14	13.10	244	672050	72.53	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.27	128	68403	2.383	ng	99
48) Acenaphthylene	9.87	152	93334	3.751	ng	100
49) Dimethylphthalate	9.72	163	122740	6.639	ng	99
51) Acenaphthene	10.05	154	32696	2.213	ng	98
57) Fluorene	10.56	166	46701	2.852	ng	# 94
70) Phenanthrene	11.53	178	399488	20.946	ng	99
71) Anthracene	11.58	178	126776	6.545	ng	97
74) Fluoranthene	12.73	202	619011	31.504	ng	97
77) Pyrene	12.96	202	659276	41.740	ng	99
80) Benzo(a)anthracene	14.16	228	380493	27.949	ng	94
82) Chrysene	14.20	228	356250	27.451	ng	96
83) Bis(2-ethylhexyl)phthalate	14.13	149	1266278	126.665	ng	99
85) Indeno(1,2,3-cd)pyrene	17.32	276	243443	21.480	ng	# 93
87) Benzo(b)fluoranthene	15.27	252	491998m	38.271	ng	
88) Benzo(k)fluoranthene	15.29	252	156781m	12.687	ng	
89) Benzo(a)pyrene	15.66	252	390168	33.462	ng	# 92
90) Dibenzo(a,h)anthracene	17.32	278	68498	6.784	ng	# 87
91) Benzo(g,h,i)perylene	17.80	276	235418	23.968	ng	96

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

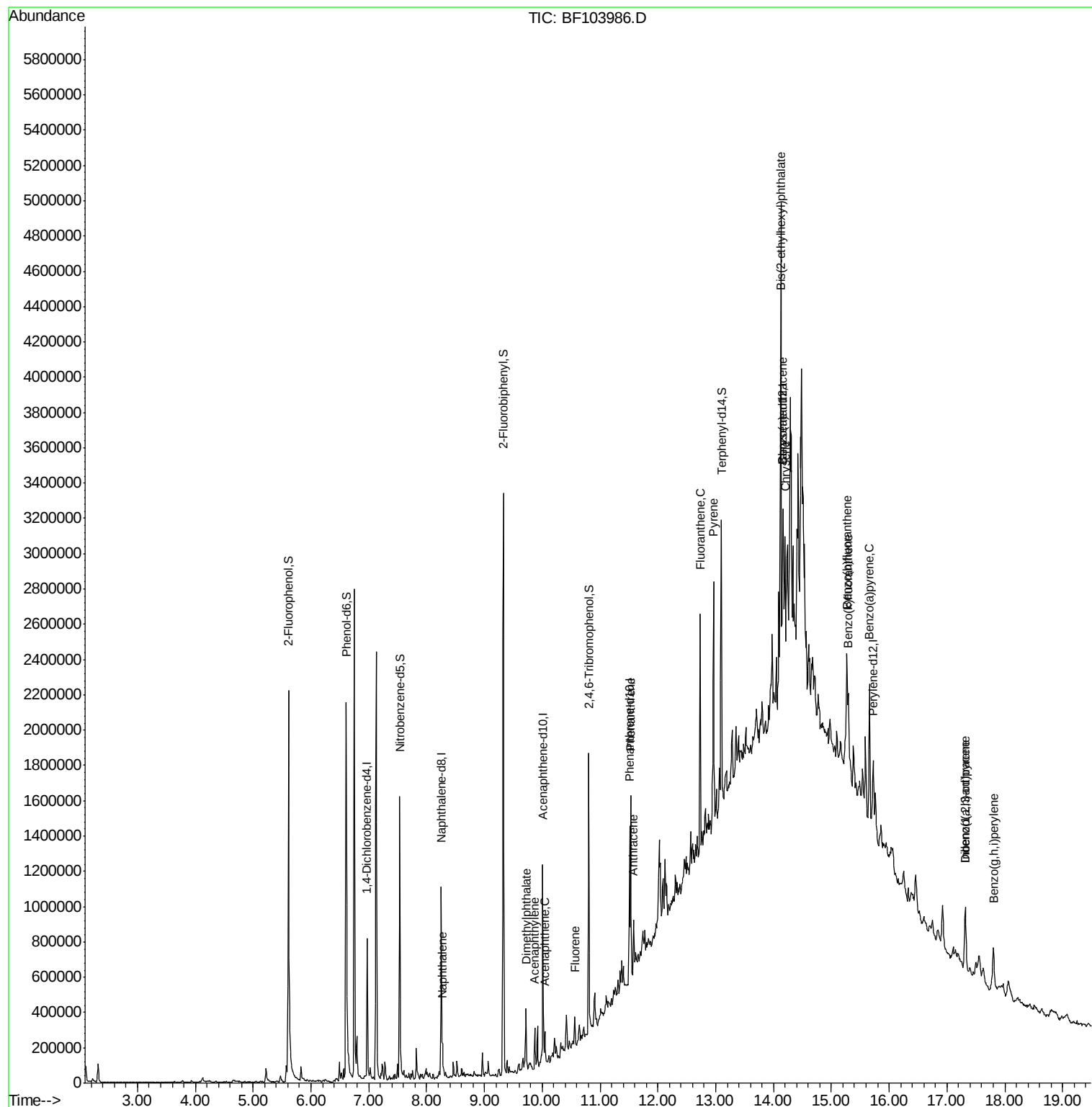
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
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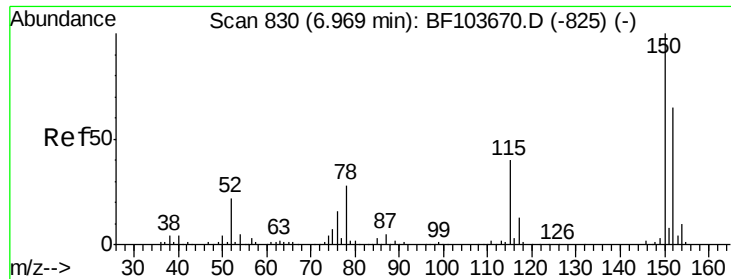
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#1

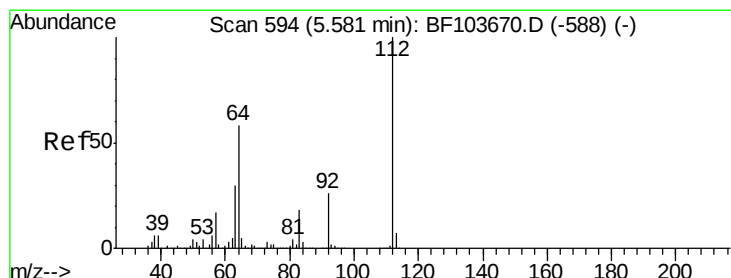
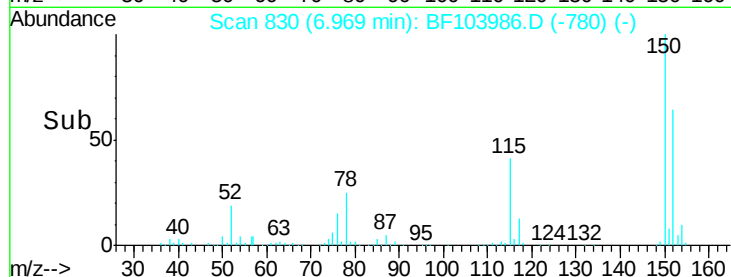
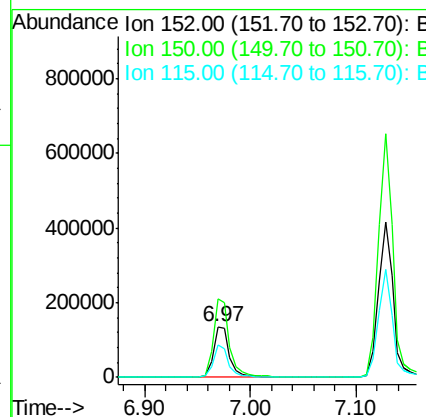
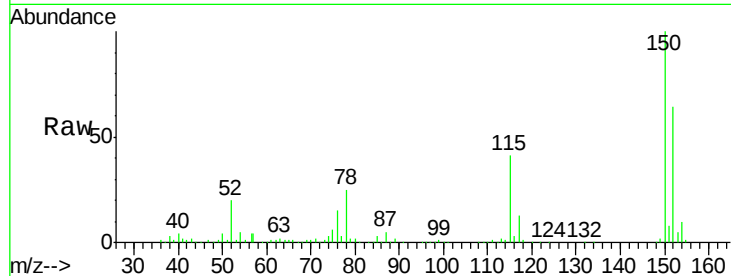
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	63.8	50.1	75.1

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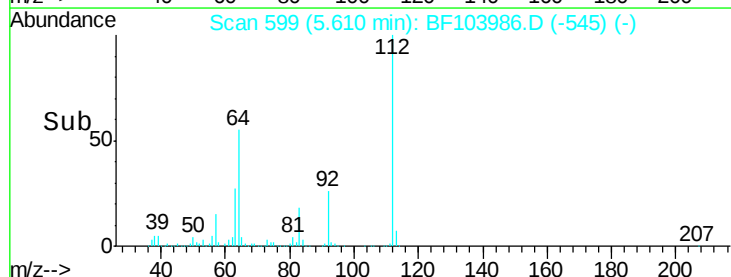
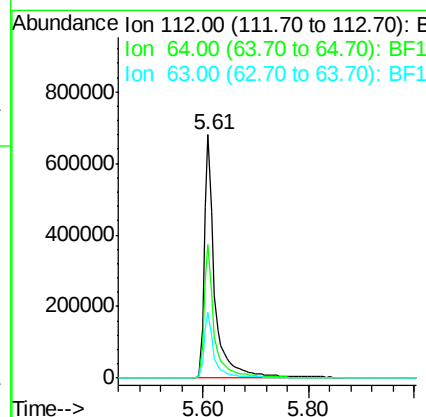
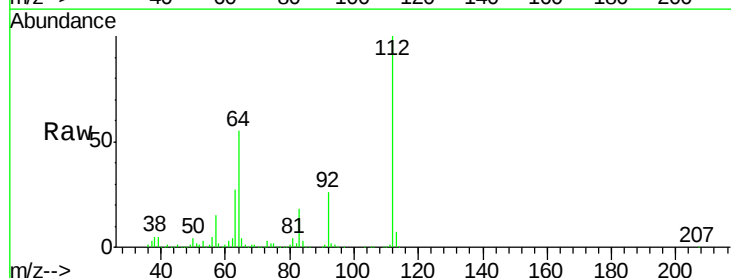
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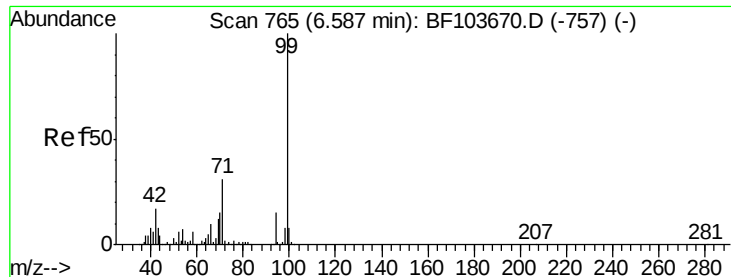


#5

2-Fluorophenol
Concen: 99.643 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.02 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	47.9	71.9
63	27.2	23.7	35.5





#7

Phenol-d6

Concen: 98.207 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103986.D

Acq: 27 Mar 2018 22:32

Instrument :

BNA_F

ClientSampled :

TP-1-MH-D-D

Tot Ion: 99 Resp: 1154810

Ion Ratio Lower Upper

99 100

42 14.5 14.5 21.7

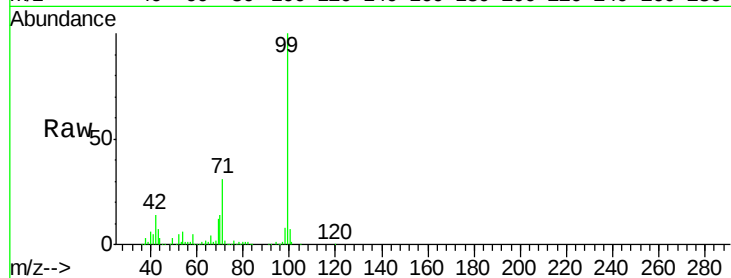
71 31.2 25.4 38.0

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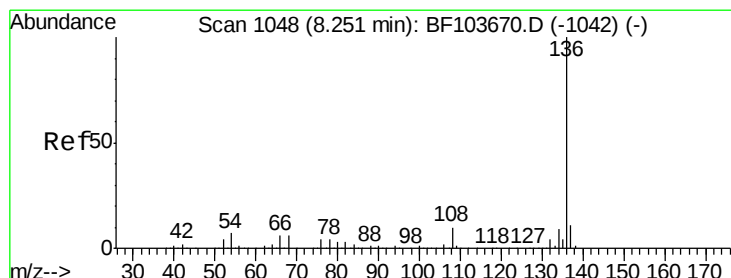
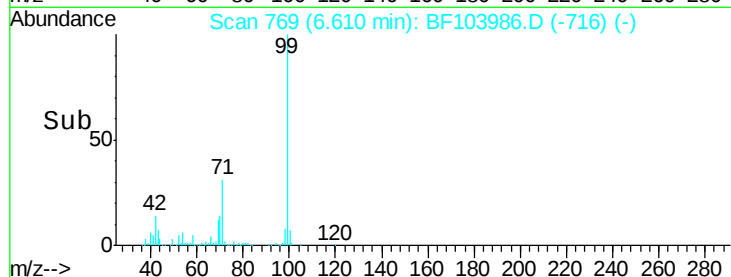
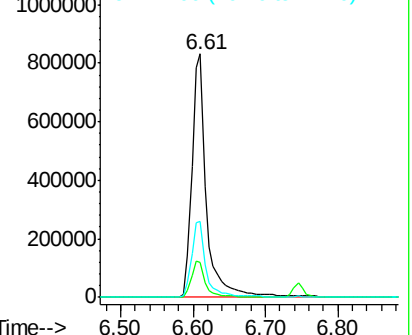
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF103986.D

Acq: 27 Mar 2018 22:32

Tgt Ion: 136 Resp: 568335

Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.1 6.6 9.8

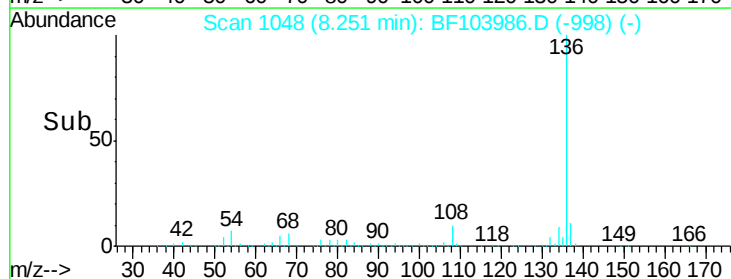
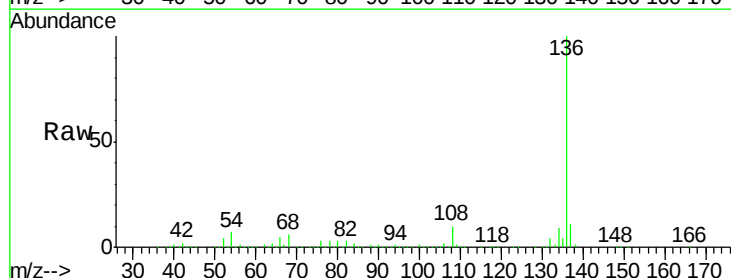
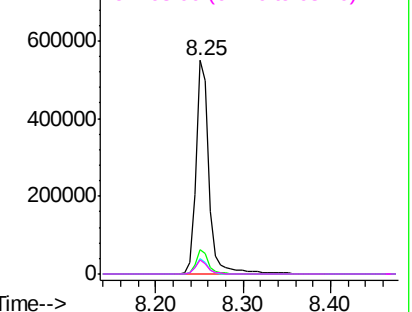
68 6.3 5.0 7.4

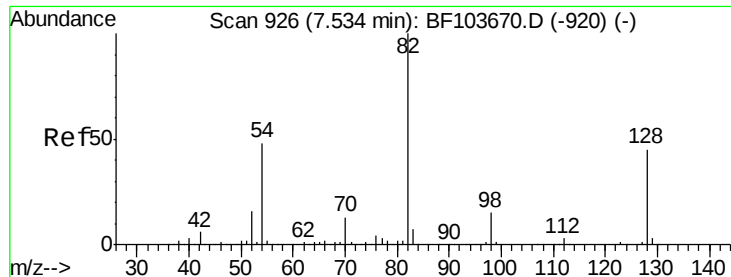
Abundance Ion 136.00 (135.70 to 136.70): E

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





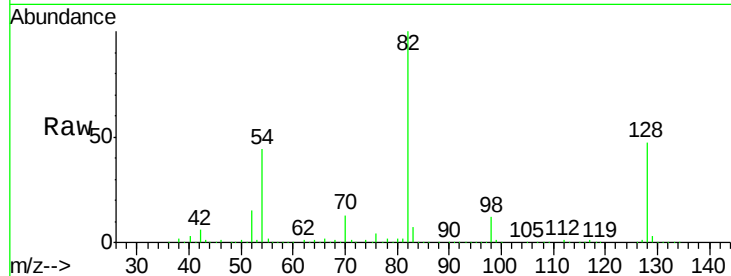
#23
Nitrobenzene-d5
Concen: 83.022 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-D

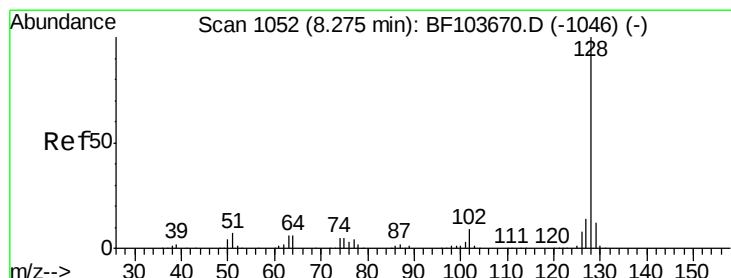
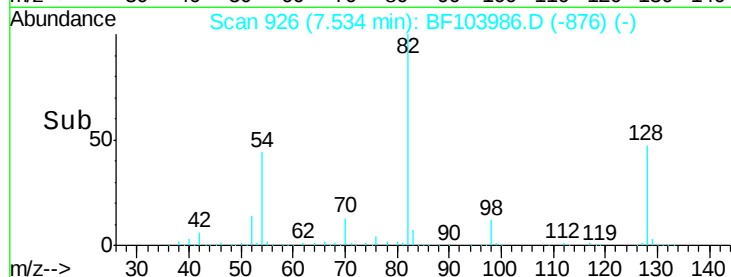
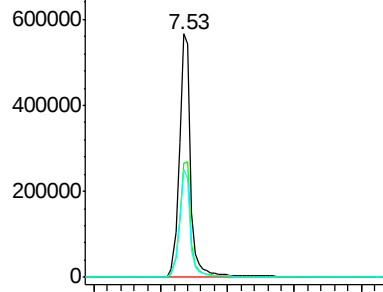
Tot Ion	Ratio	Resp	Lower	Upper
82	100	676615		
128	46.9	36.1	54.1	
54	44.2	41.4	62.2	

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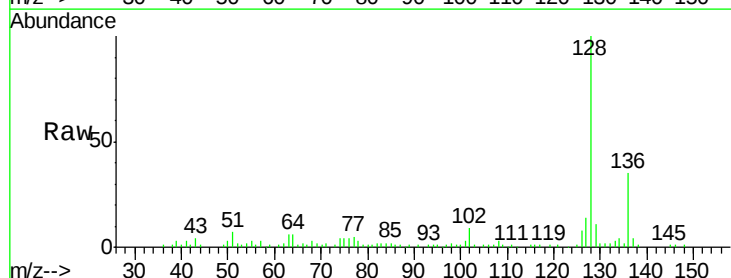


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

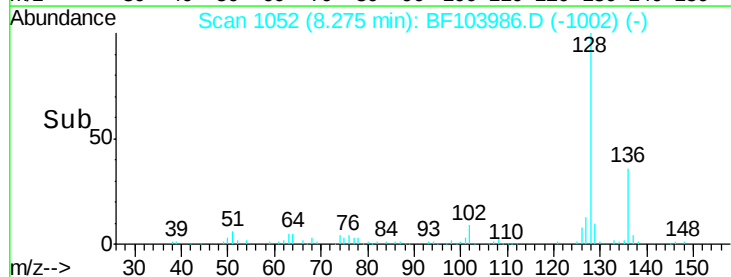
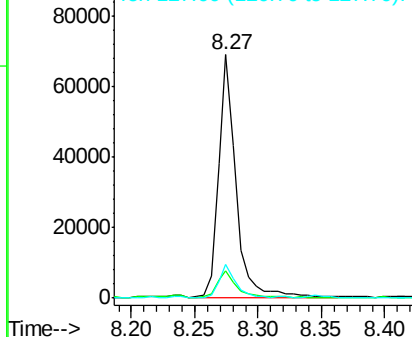


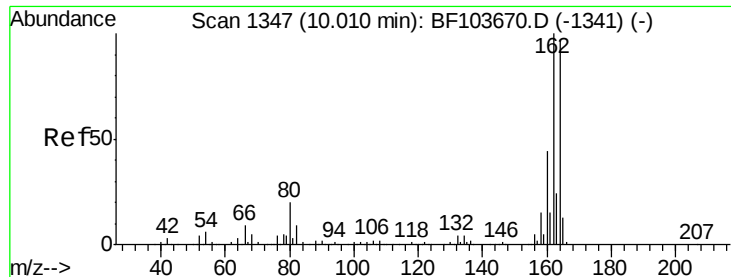
#31
Naphthalene
Concen: 2.383 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	68403		
129	11.4	8.8	13.2	
127	13.6	10.9	16.3	



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





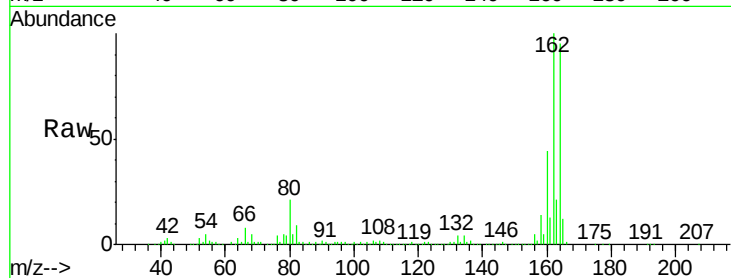
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-D

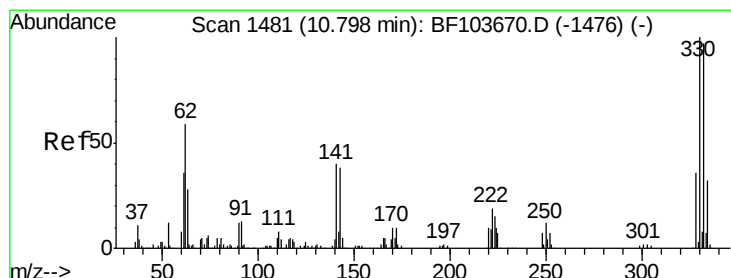
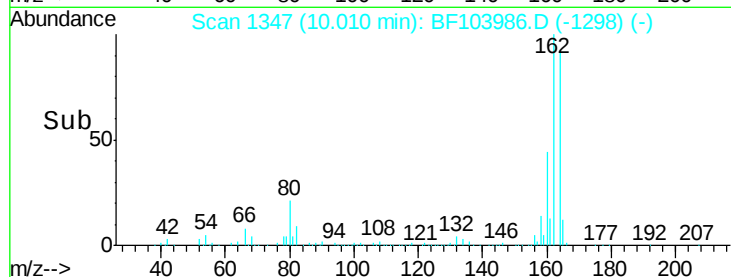
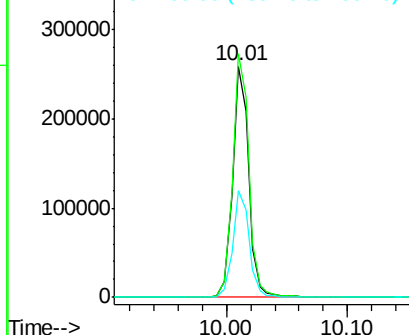
Tot Ion	Ratio	Resp	Lower	Upper
164	100	242304		
162	105.4	86.1	129.1	
160	46.2	38.3	57.5	

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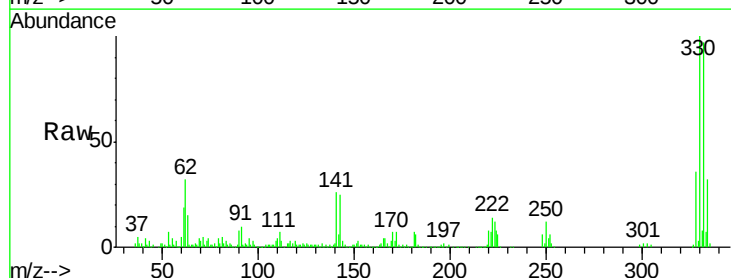


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

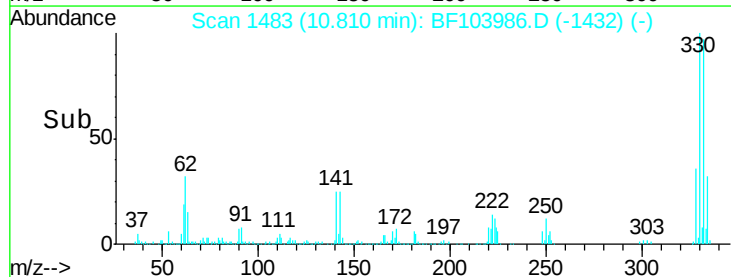
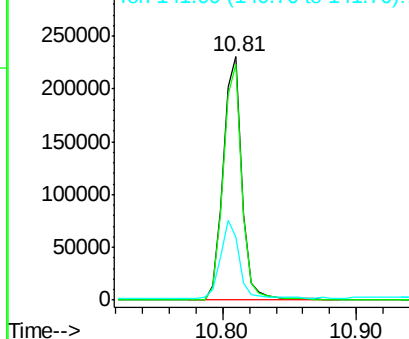


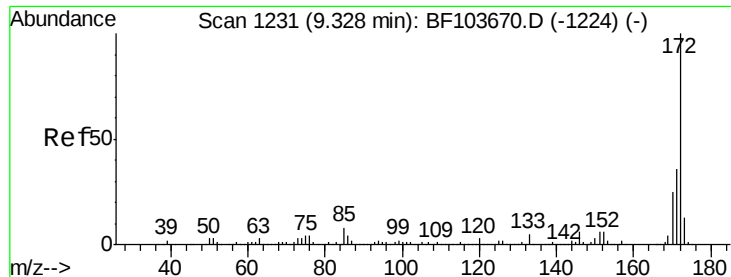
#41
2,4,6-Tribromophenol
Concen: 110.299 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	229791		
332	96.9	77.0	115.6	
141	31.4	29.9	44.9	



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





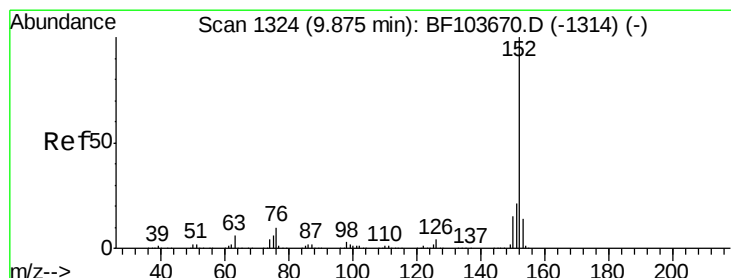
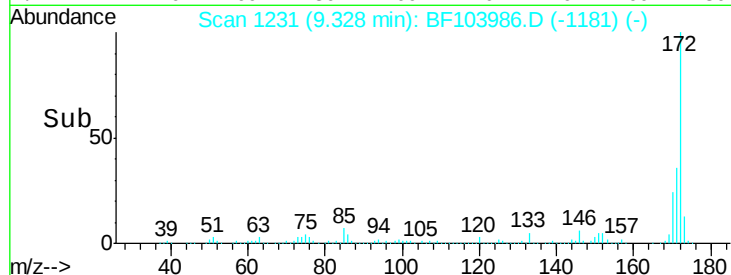
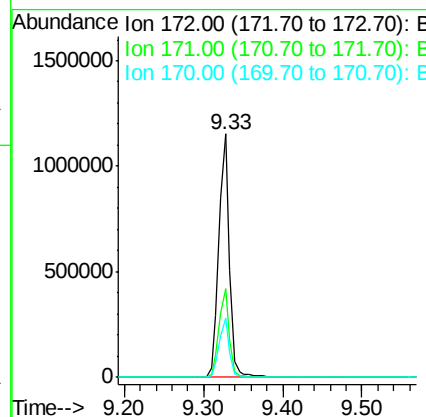
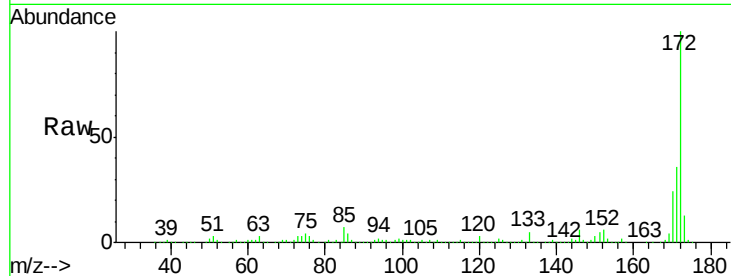
#44
2-Fluorobiphenyl
Concen: 70.615 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-D

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.2	19.6	29.4

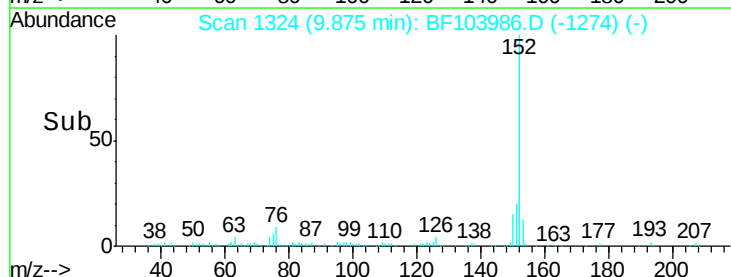
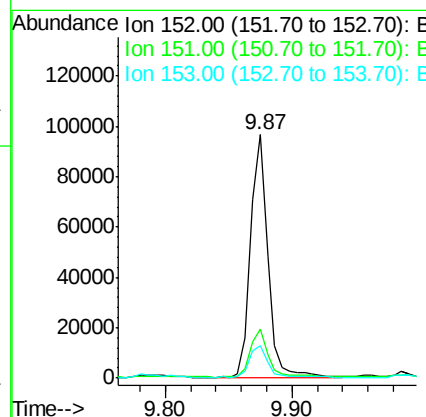
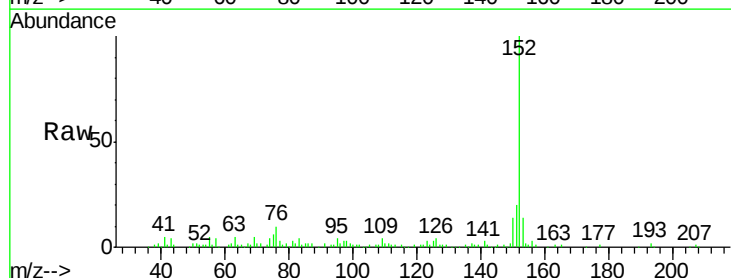
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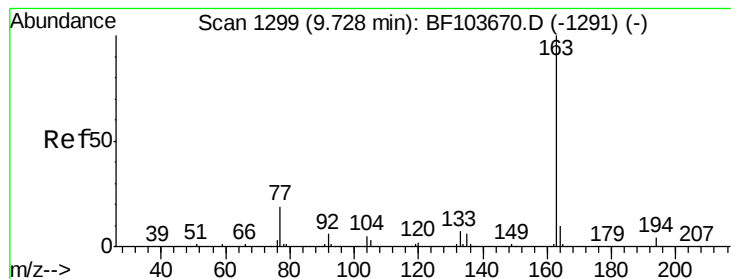
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#48
Acenaphthylene
Concen: 3.751 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	13.5	10.7	16.1





#49

Dimethylphthalate

Concen: 6.639 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF103986.D

Acq: 27 Mar 2018 22:32

Instrument :

BNA_F

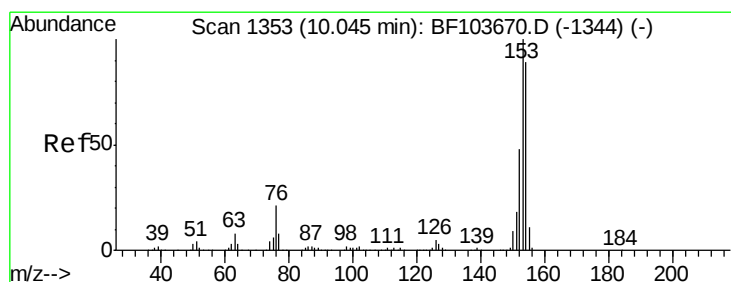
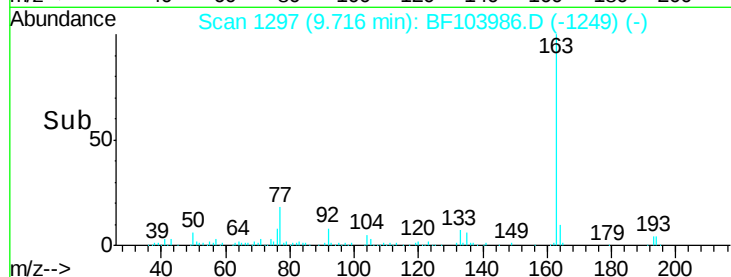
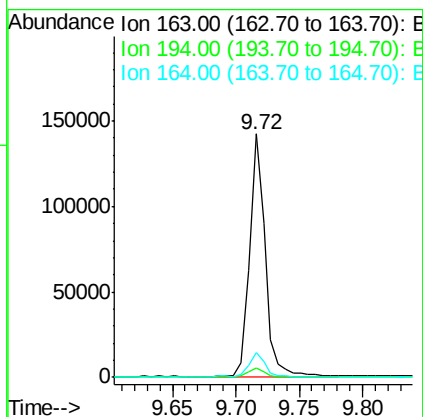
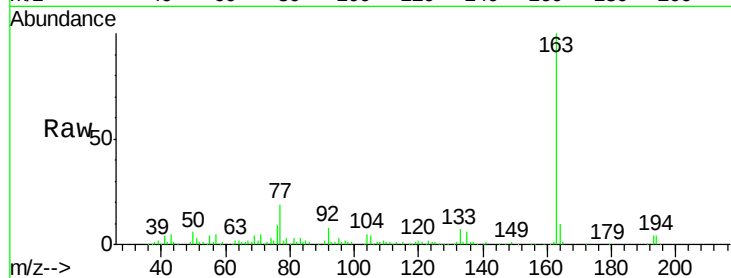
ClientSampleId :

TP-1-MH-D-D

Tot Ion:	163	Resp:	122740
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	10.3	8.2	12.2

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#51

Acenaphthene

Concen: 2.213 ng

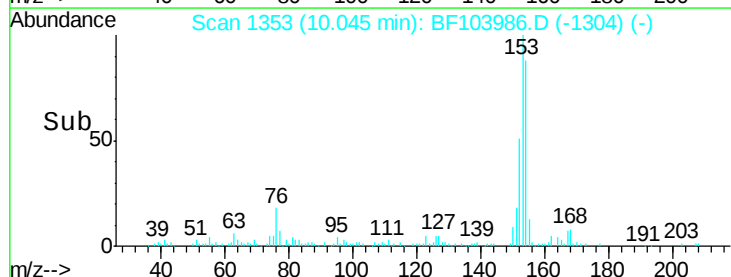
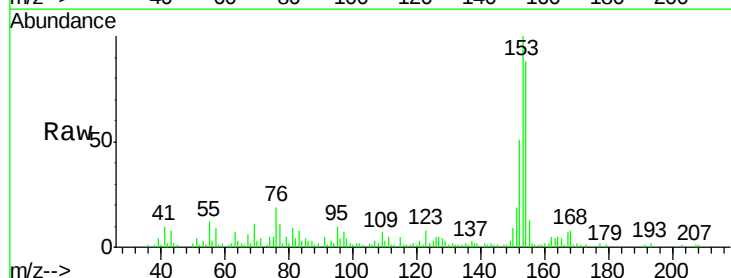
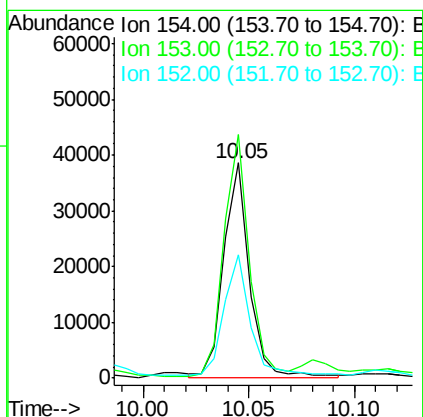
RT: 10.05 min Scan# 1353

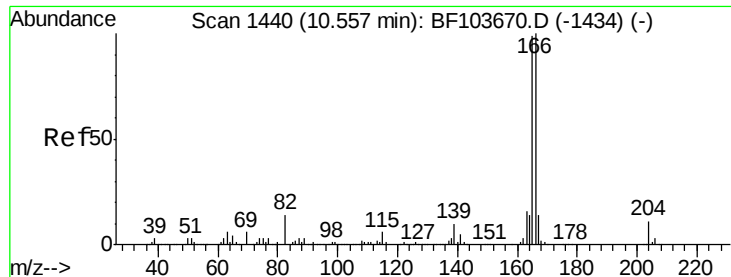
Delta R.T. -0.01 min

Lab File: BF103986.D

Acq: 27 Mar 2018 22:32

Tgt Ion:	154	Resp:	32696
Ion Ratio	Lower	Upper	
154	100		
153	113.1	91.2	136.8
152	57.2	43.8	65.8





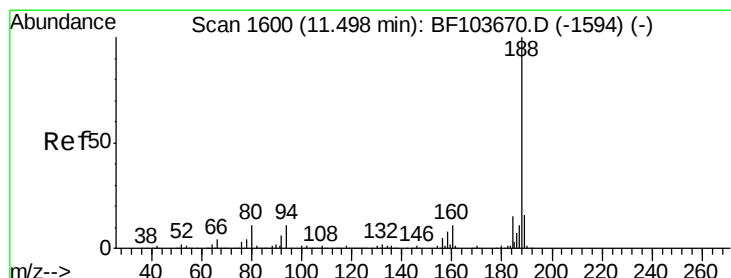
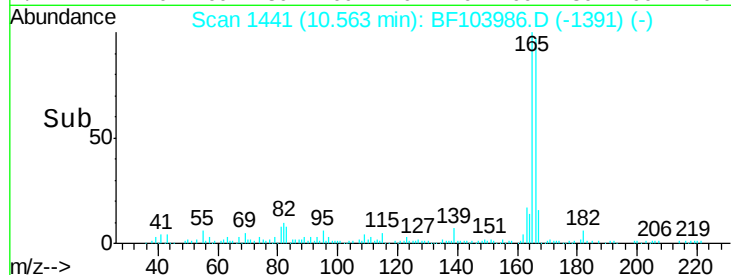
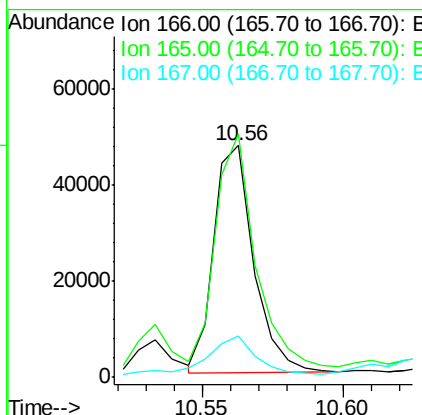
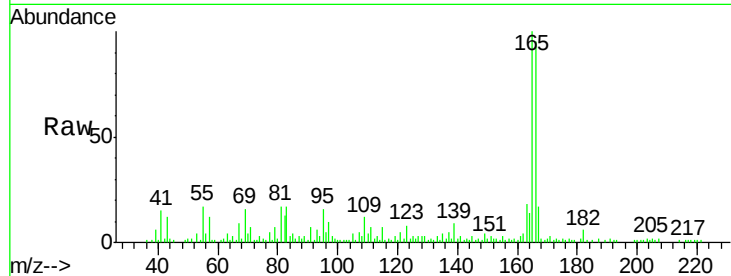
#57
Fluorene
 Concen: 2.852 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF103986.D
 Acq: 27 Mar 2018 22:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-MH-D-D

Tot Ion	Ratio	Lower	Upper
166	100		
165	105.1	79.8	119.8
167	18.1	10.6	16.0

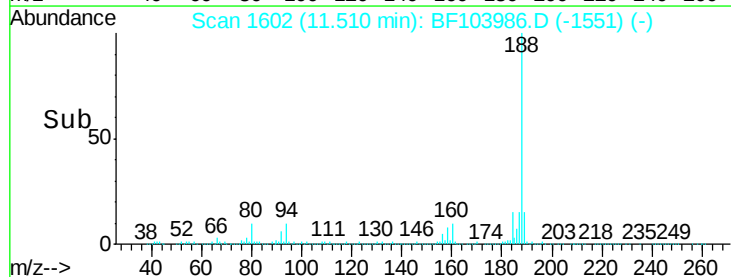
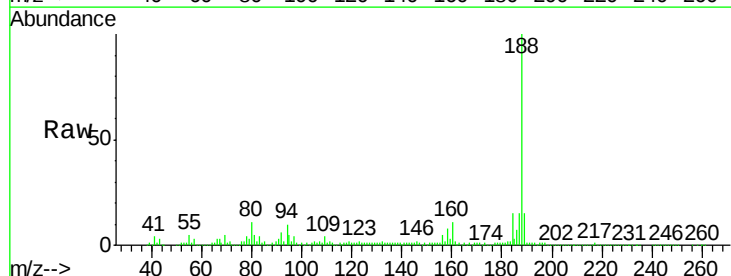
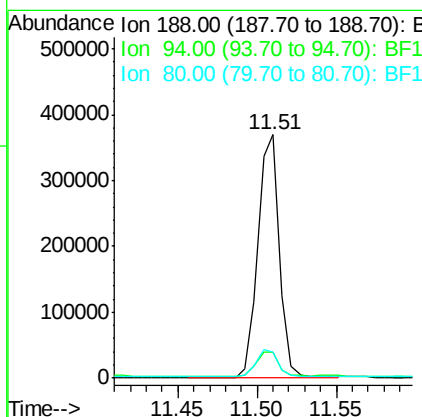
Manual Integrations
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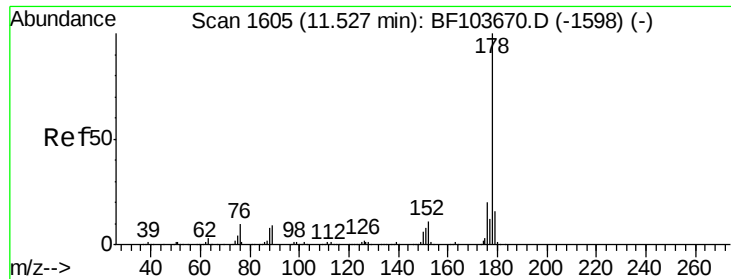
Sohil
 3/28/2018 4:54:37 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BF103986.D
 Acq: 27 Mar 2018 22:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	10.7	9.2	13.8





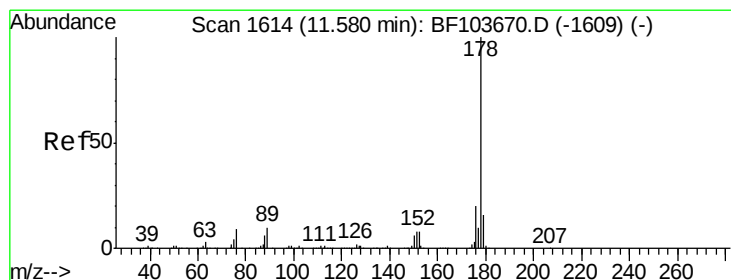
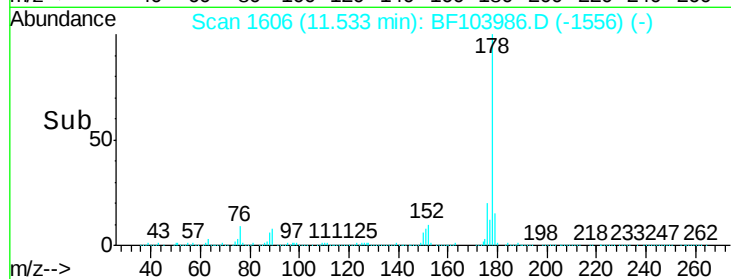
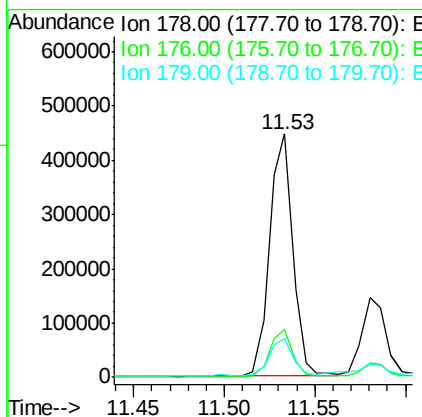
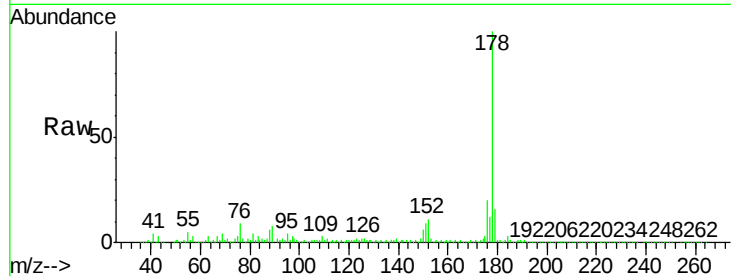
#70
Phenanthrene
Concen: 20.946 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-D

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.9	13.0	19.6

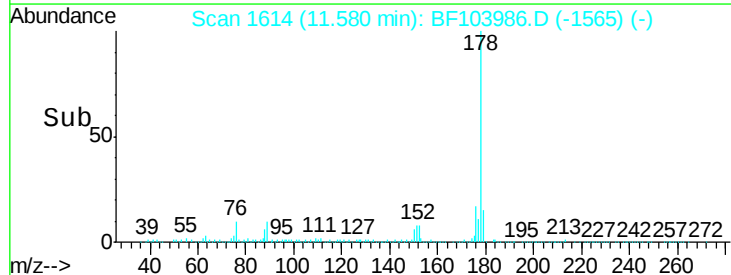
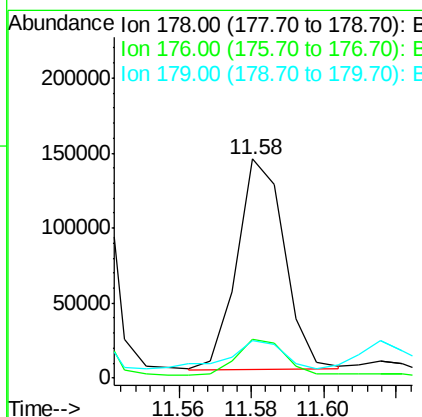
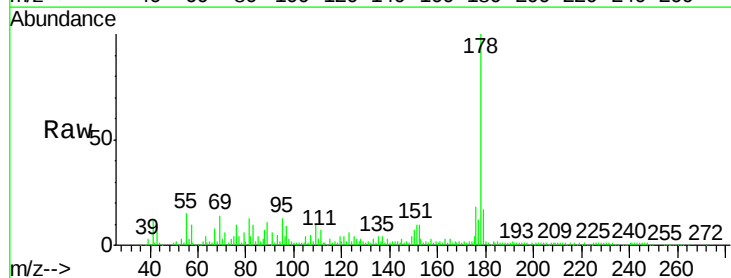
Manual Integrations
APPROVED

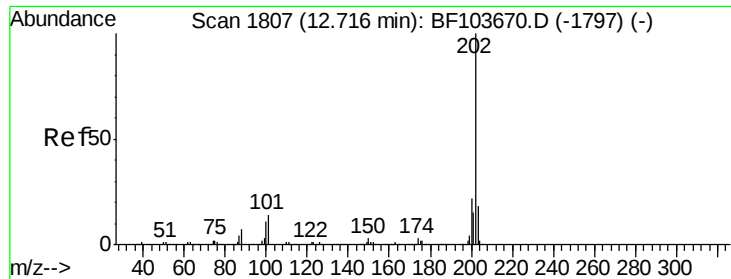
Sohil
3/28/2018 4:54:37 PM



#71
Anthracene
Concen: 6.545 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	17.2	12.6	19.0





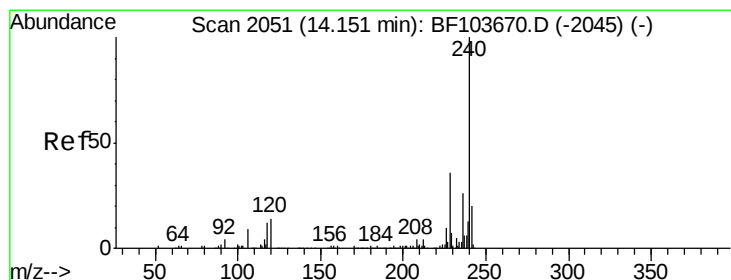
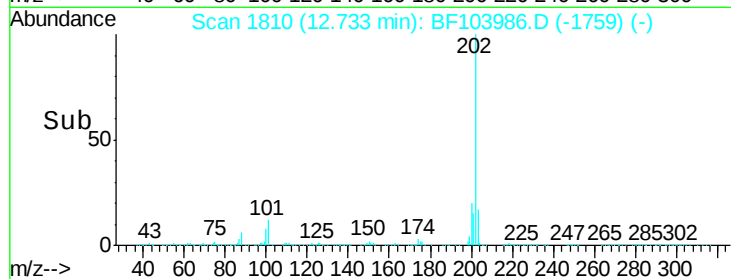
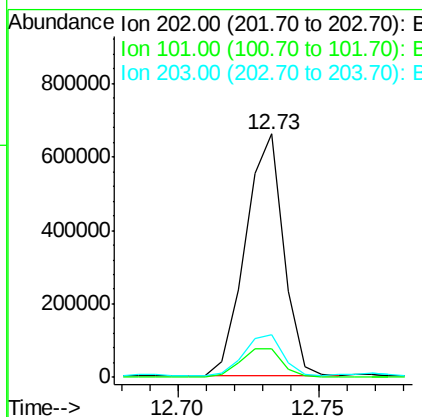
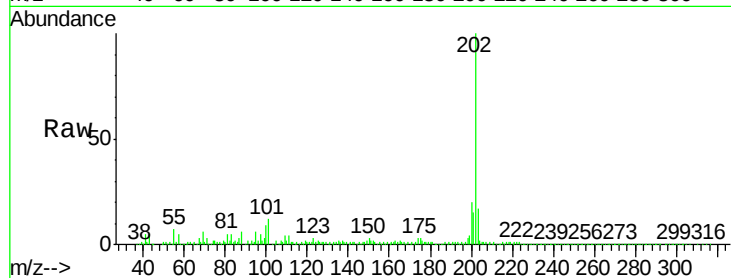
#74
 Fluoranthene
 Concen: 31.504 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: BF103986.D
 Acq: 27 Mar 2018 22:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-MH-D-D

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.3	0.0	38.1

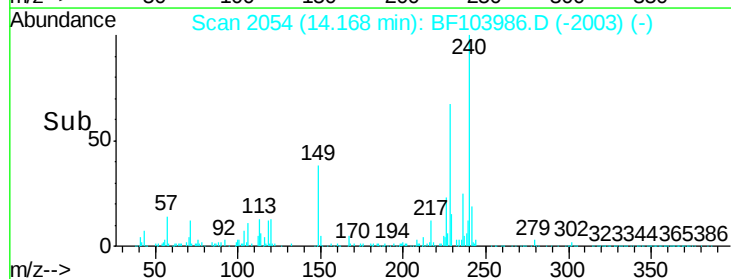
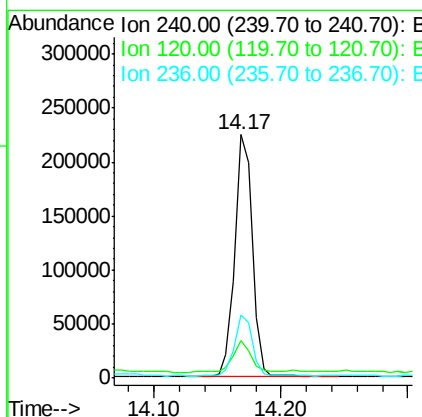
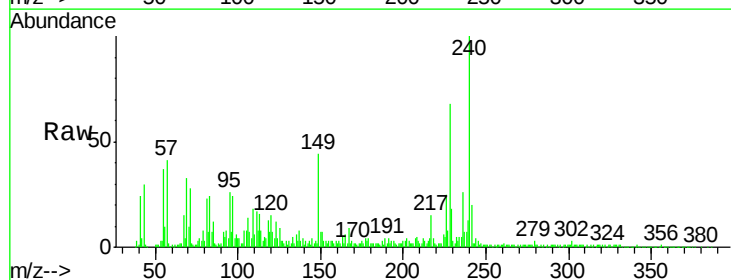
Manual Integrations
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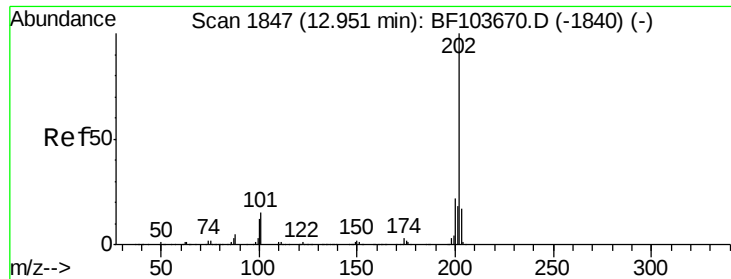
Sohil
 3/28/2018 4:54:37 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.17 min Scan# 2054
 Delta R.T. -0.00 min
 Lab File: BF103986.D
 Acq: 27 Mar 2018 22:32

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.4	9.5	14.3#
236	26.1	20.7	31.1





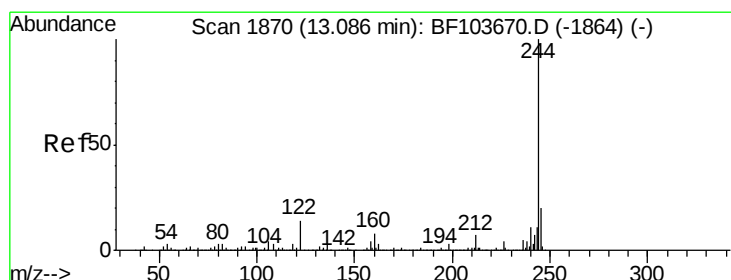
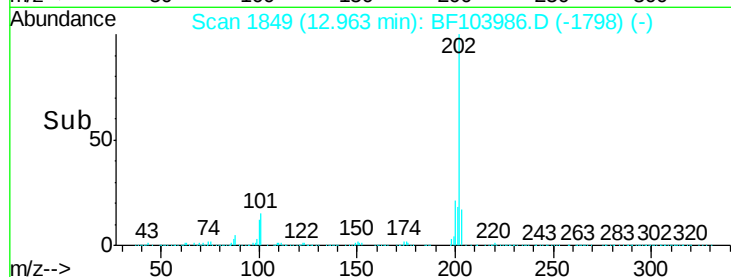
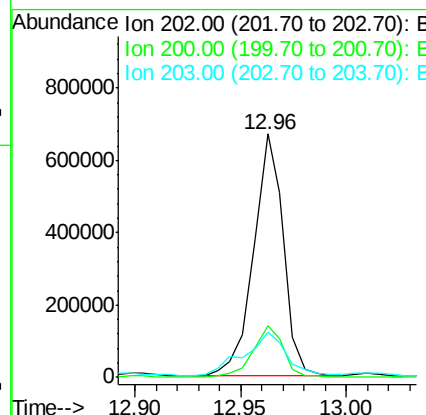
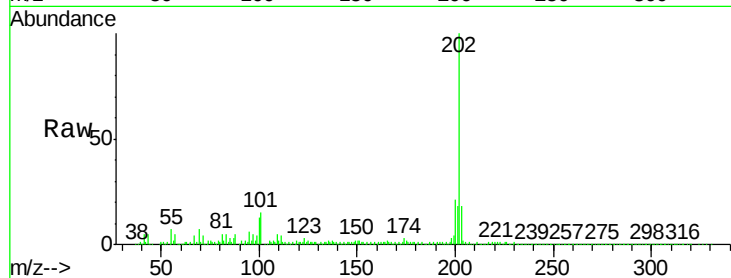
#77
Pvrene
Concen: 41.740 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.00 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-D

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	18.4	14.3	21.5

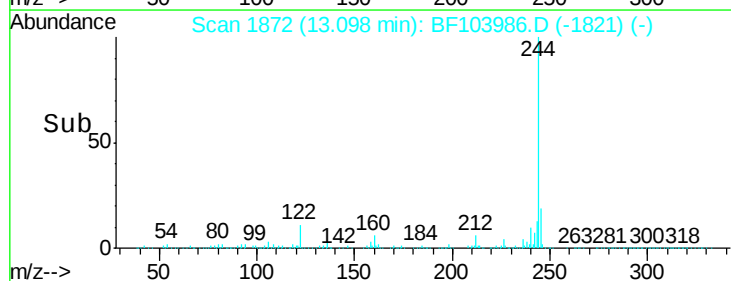
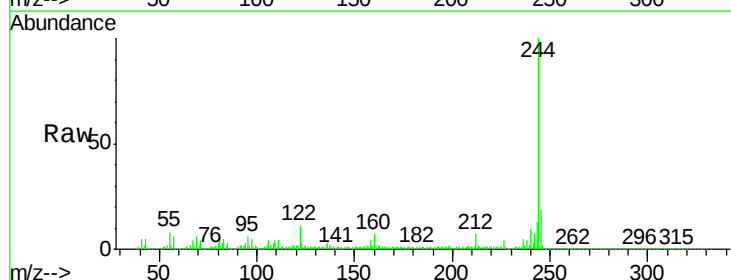
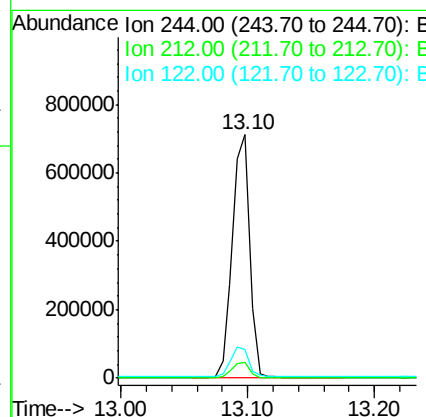
Manual Integrations
APPROVED

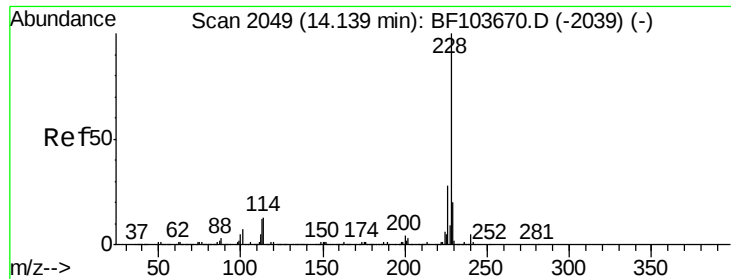
Sohil
3/28/2018 4:54:37 PM



#78
Terphenyl-d14
Concen: 72.531 ng
RT: 13.10 min Scan# 1872
Delta R.T. -0.00 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.5	11.0	16.4





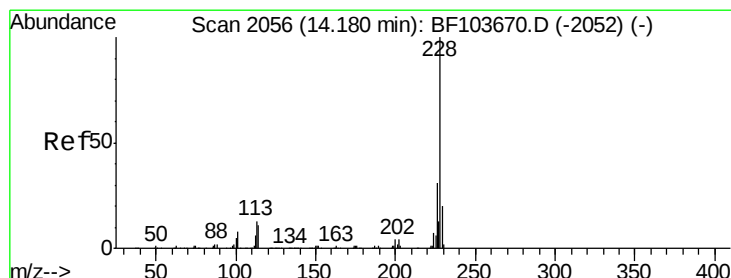
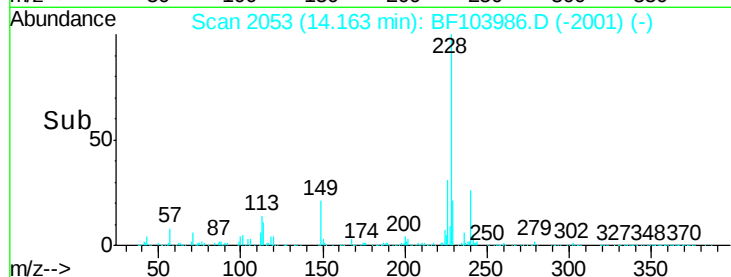
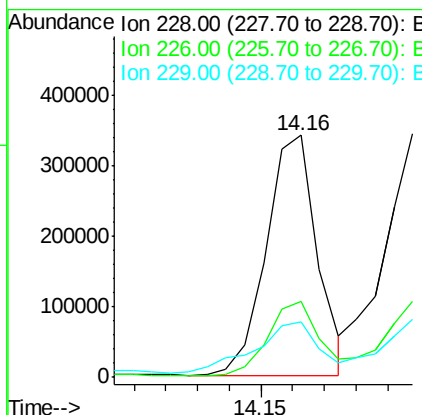
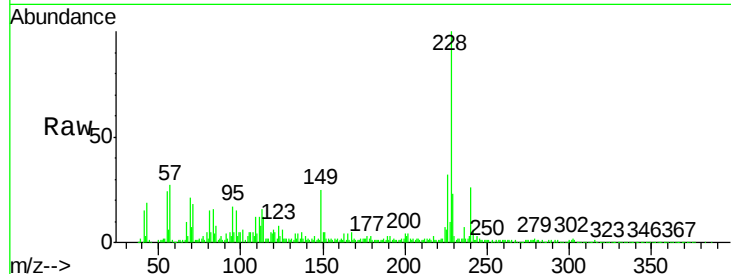
#80
Benzo(a)anthracene
Concen: 27.949 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.01 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.6	33.8
229	22.8	15.8	23.6

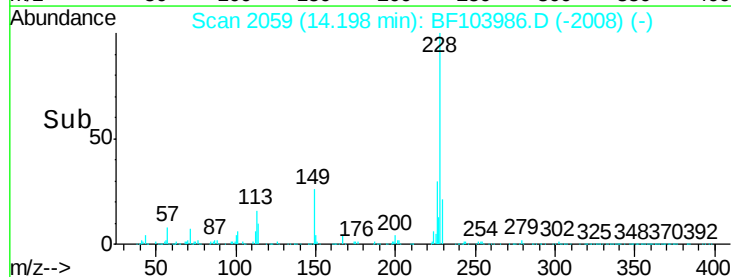
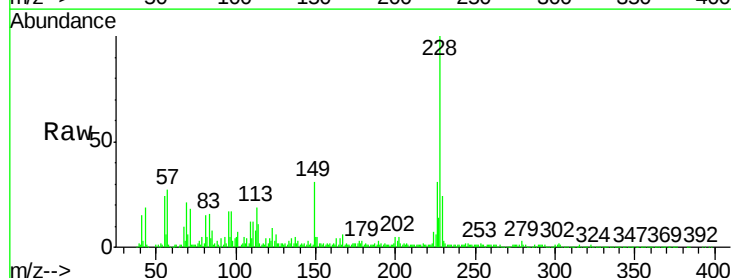
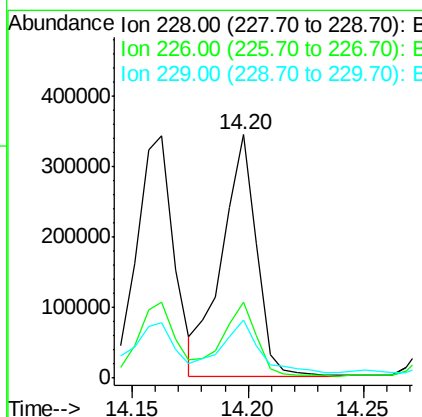
Manual Integrations
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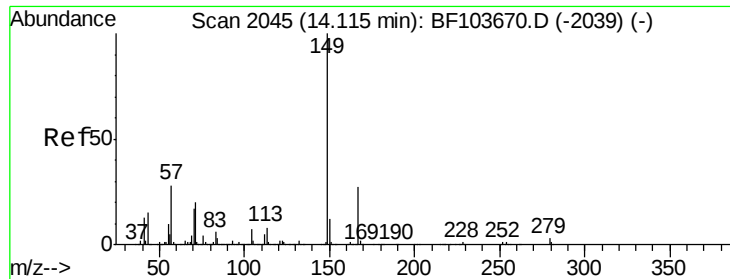
Sohil
3/28/2018 4:54:37 PM



#82
Chrysene
Concen: 27.451 ng
RT: 14.20 min Scan# 2059
Delta R.T. -0.00 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	24.0	16.2	24.4





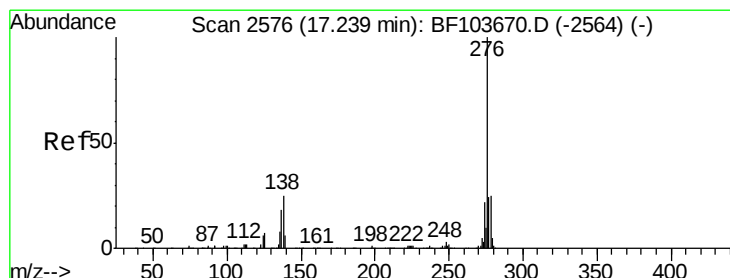
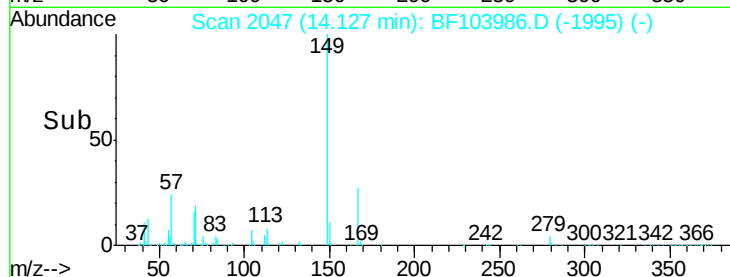
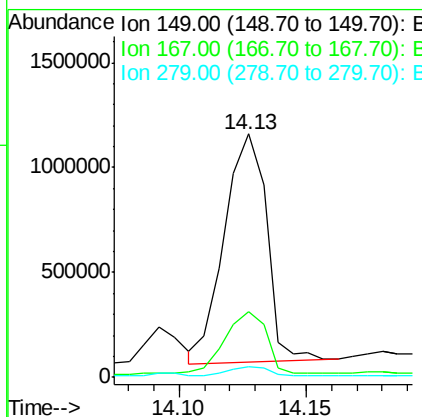
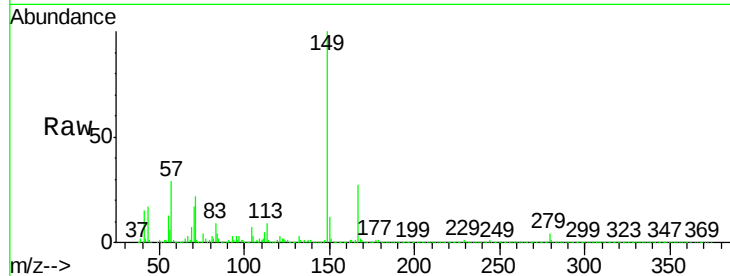
#83
Bis(2-ethylhexyl)phthalate
Concen: 126.665 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.01 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-D

Tot Ion:149 Resp: 1266278
Ion Ratio Lower Upper
149 100
167 27.0 21.3 31.9
279 4.4 3.0 4.4

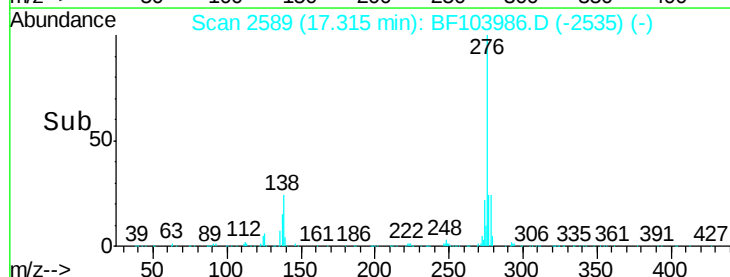
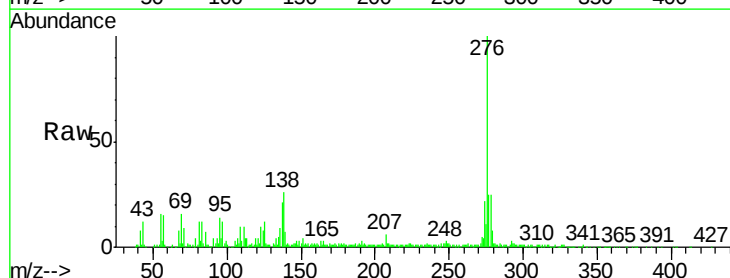
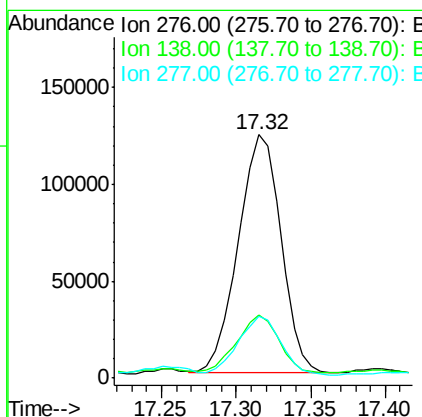
Manual Integrations
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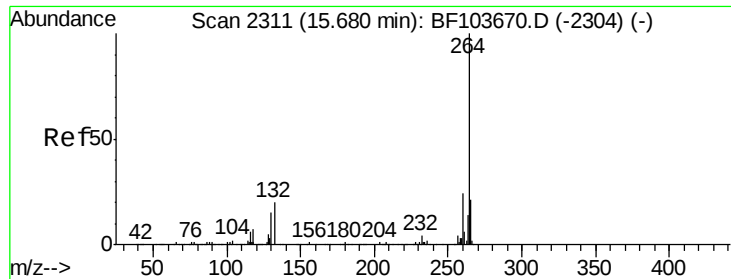
Sohil
3/28/2018 4:54:37 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 21.480 ng
RT: 17.32 min Scan# 2589
Delta R.T. 0.02 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Tgt Ion:276 Resp: 243443
Ion Ratio Lower Upper
276 100
138 24.3 25.0 37.6#
277 24.8 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.73 min Scan# 2319

Delta R.T. 0.02 min

Lab File: BF103986.D

Acq: 27 Mar 2018 22:32

Instrument :

BNA_F

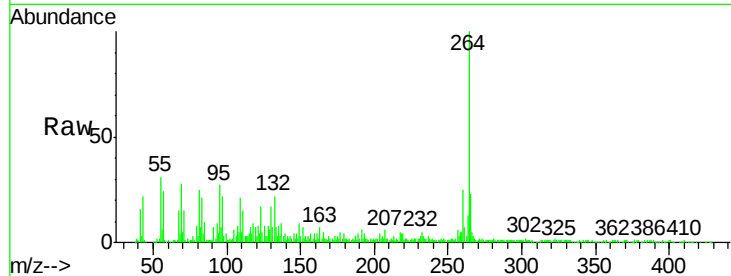
ClientSampleId :

TP-1-MH-D-D

Tot Ion:	264	Resp:	203483
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.2	28.8
265	23.0	17.5	26.3

Manual Integrations
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3/28/2018 4:54:37 PM

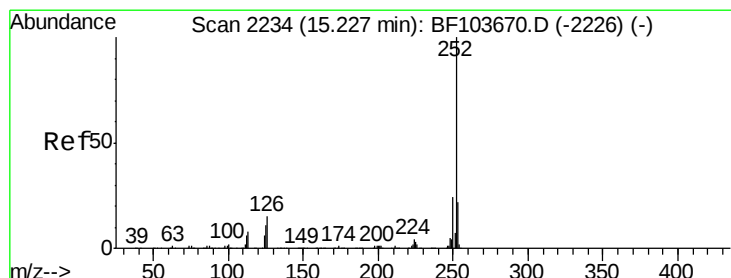
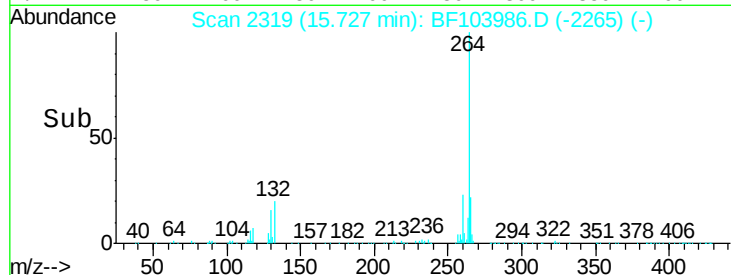
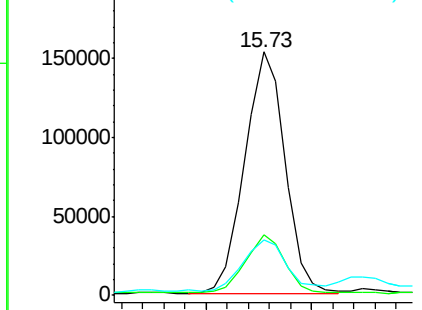


Abundance

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: 38.271 ng m

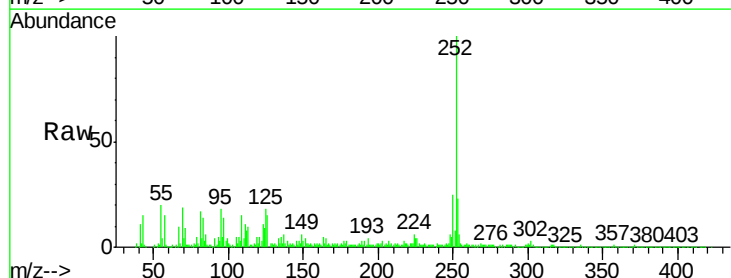
RT: 15.27 min Scan# 2241

Delta R.T. 0.02 min

Lab File: BF103986.D

Acq: 27 Mar 2018 22:32

Tgt Ion:	252	Resp:	491998
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.0	25.6
125	18.0	9.0	13.6#

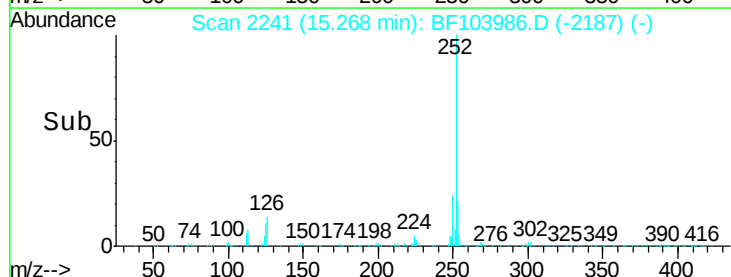
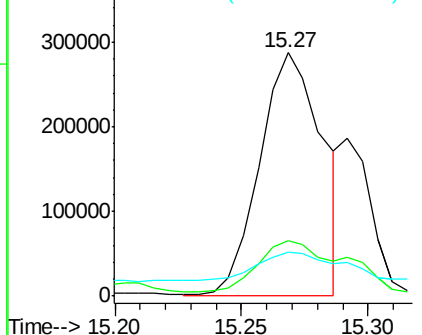


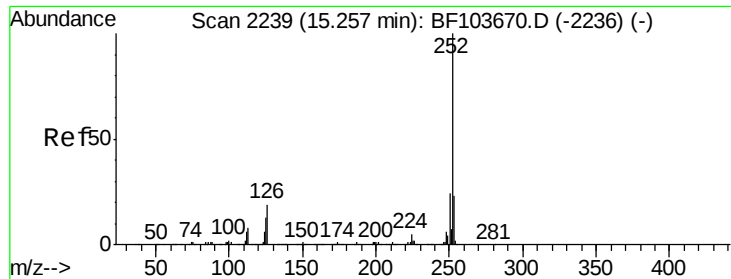
Abundance

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





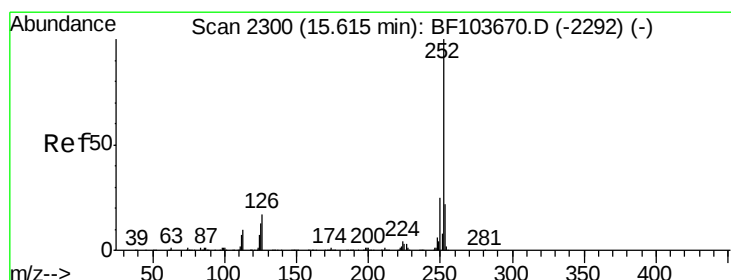
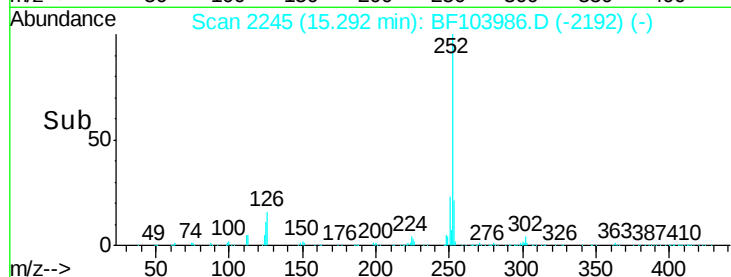
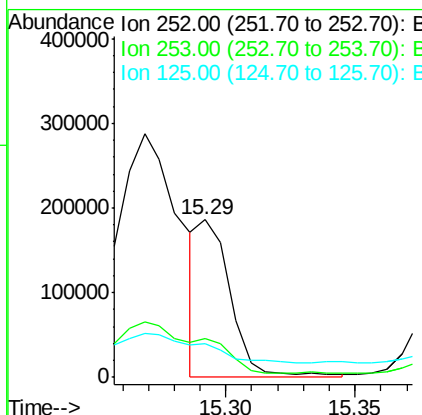
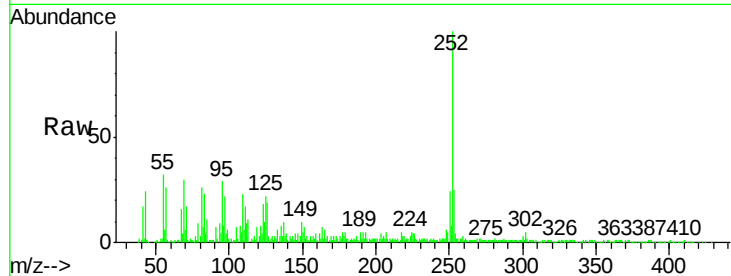
#88
Benzo(k)fluoranthene
Concen: 12.687 ng m
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	21.8	10.2	15.2

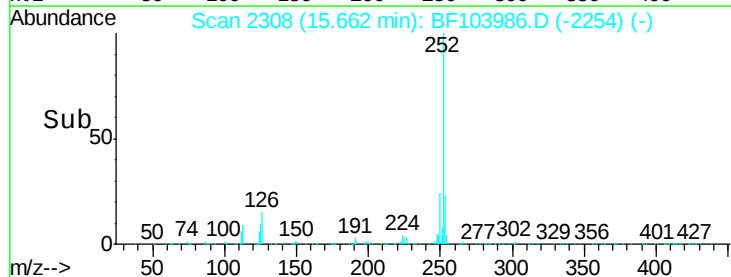
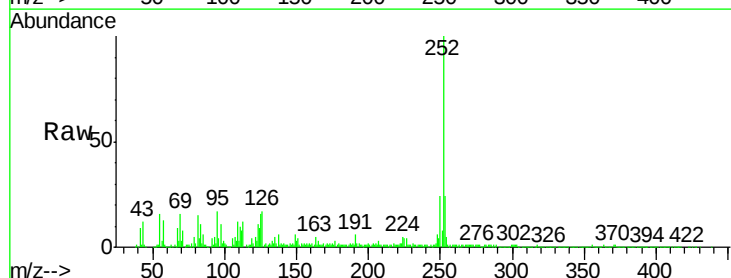
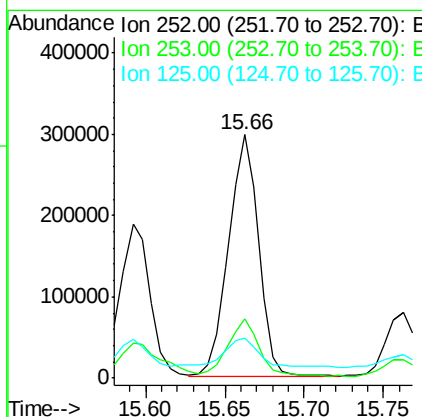
Manual Integrations
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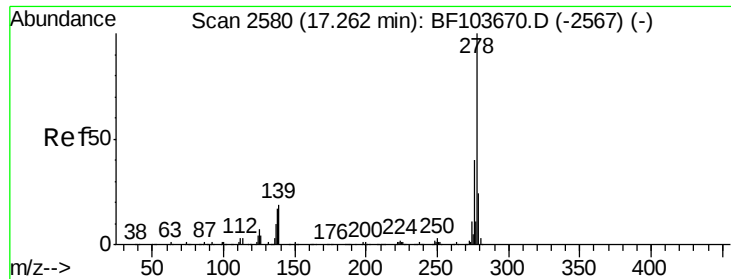
Sohil
3/28/2018 4:54:37 PM



#89
Benzo(a)pyrene
Concen: 33.462 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.02 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	16.4	9.8	14.6





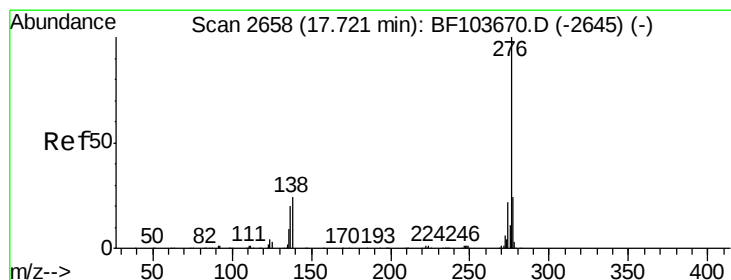
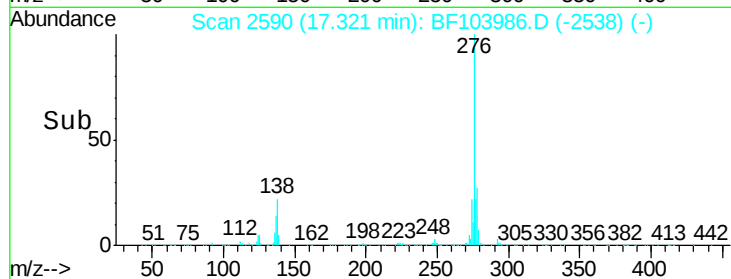
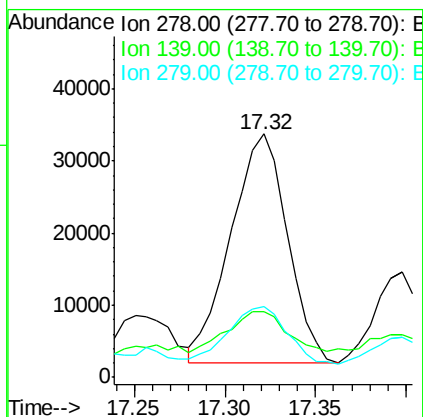
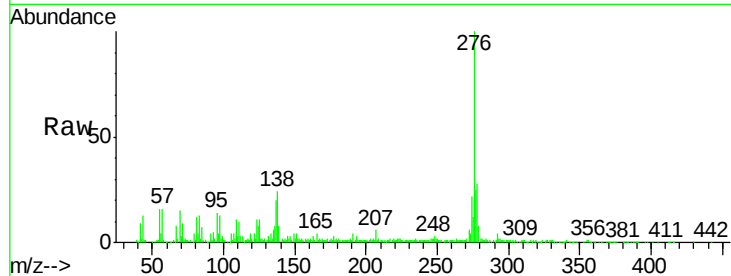
#90
Dibenzo(a,h)anthracene
Concen: 6.784 ng
RT: 17.32 min Scan# 2590
Delta R.T. 0.01 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-D

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.8	15.9	23.9#
279	29.1	19.0	28.4#

Manual Integrations
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Sohil
3/28/2018 4:54:37 PM



#91
Benzo(g,h,i)perylene
Concen: 23.968 ng
RT: 17.80 min Scan# 2672
Delta R.T. 0.02 min
Lab File: BF103986.D
Acq: 27 Mar 2018 22:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	25.8	21.8	32.8

