

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103807.D
 Acq On : 20 Mar 2018 17:31
 Operator : JU/SJ
 Sample : J1982-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-105(13-14)

Manual Integrations
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 3/22/2018 12:57:33 PM

Quant Time: Mar 21 01:26:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	162567	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	601019	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	272694	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	470075	20.00	ng	0.01
75) Chrysene-d12	14.16	240	260547	20.00	ng	0.01
86) Perylene-d12	15.70	264	255550	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1180334	110.43	ng	0.02
7) Phenol-d6	6.60	99	1634177	124.97	ng	0.01
23) Nitrobenzene-d5	7.54	82	927973	107.67	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	287327	122.55	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1389042	81.25	ng	0.00
78) Terphenyl-d14	13.10	244	1026924	91.49	ng	0.01
Target Compounds						
10) Phenol	6.61	94	38473	2.769	ng	Qvalue 93
31) Naphthalene	8.27	128	103062	3.395	ng	99
48) Acenaphthylene	9.87	152	71334	2.547	ng	99
49) Dimethylphthalate	9.72	163	181816	8.739	ng	99
57) Fluorene	10.56	166	52032	2.823	ng	98
70) Phenanthrene	11.53	178	569360	22.142	ng	99
71) Anthracene	11.58	178	177236	6.786	ng	98
74) Fluoranthene	12.73	202	766784	28.945	ng	100
77) Pyrene	12.96	202	726697	37.979	ng	100
80) Benzo(a)anthracene	14.15	228	377295	22.877	ng	96
82) Chrysene	14.19	228	323163	20.555	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	169740	12.363	ng	93
87) Benzo(b)fluoranthene	15.24	252	400279m	24.793	ng	
88) Benzo(k)fluoranthene	15.27	252	146997m	9.472	ng	
89) Benzo(a)pyrene	15.64	252	318222	21.731	ng	# 95
90) Dibenzo(a,h)anthracene	17.29	278	43865	3.459	ng	# 89
91) Benzo(a,h,i)perylene	17.76	276	159291	12.913	ng	96

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

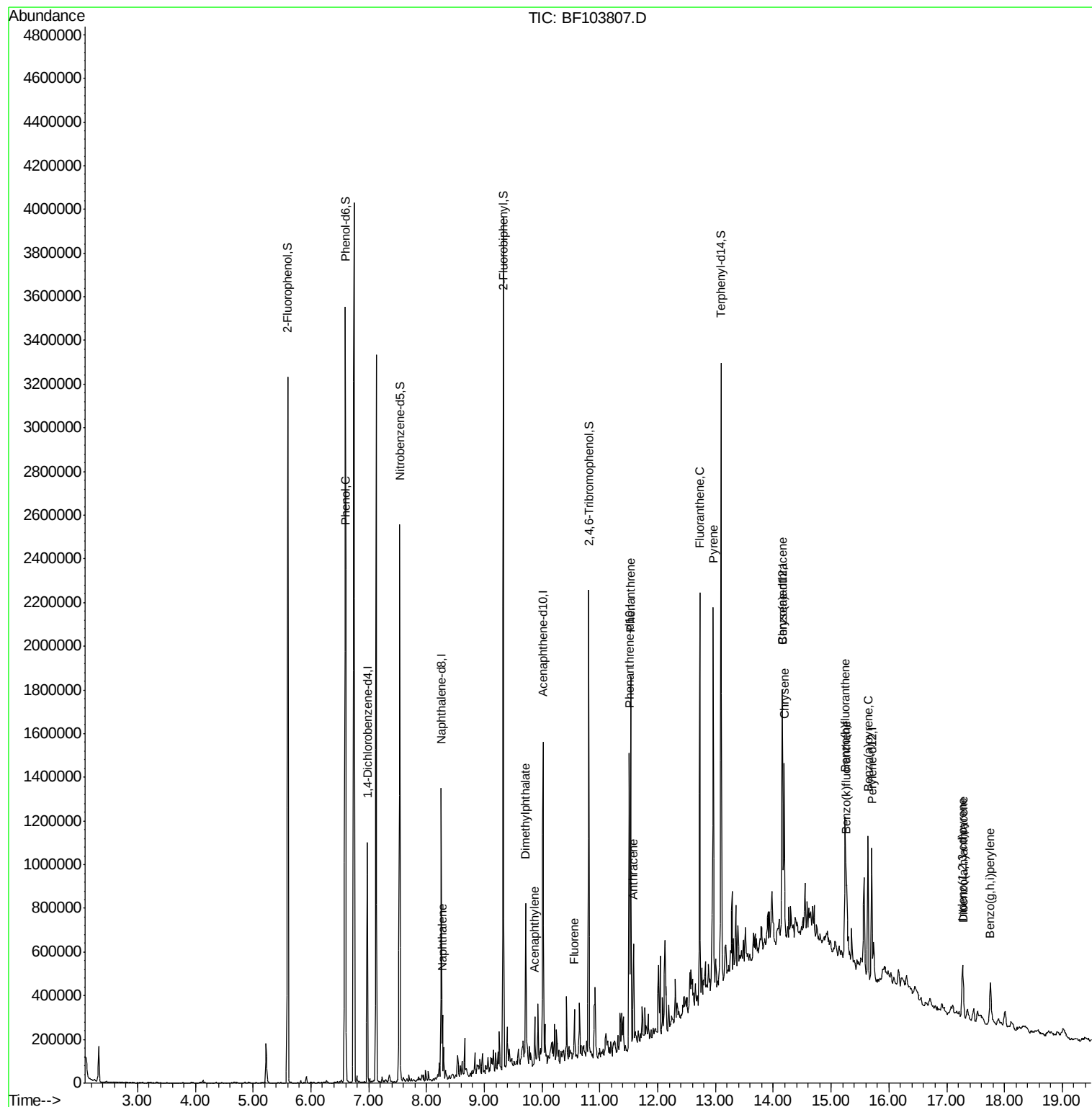
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
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ALS Vial : 10 Sample Multiplier: 1

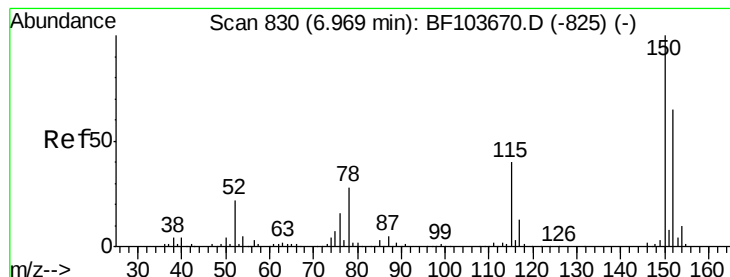
Instrument :
BNA_F
ClientSampleId :
MW-105(13-14)

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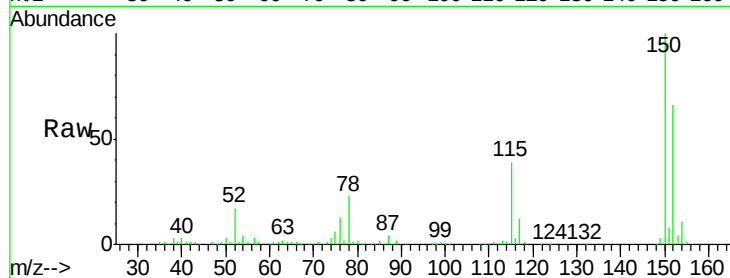
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 831
 Delta R.T. 0.01 min
 Lab File: BF103807.D
 Acq: 20 Mar 2018 17:31

Instrument :
 BNA_F
 ClientSampleId :
 MW-105(13-14)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.6	186.8
115	58.8	50.1	75.1

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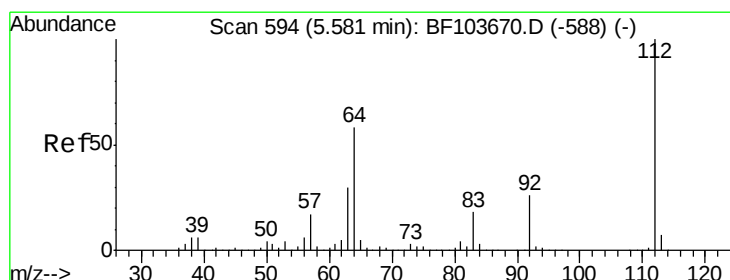
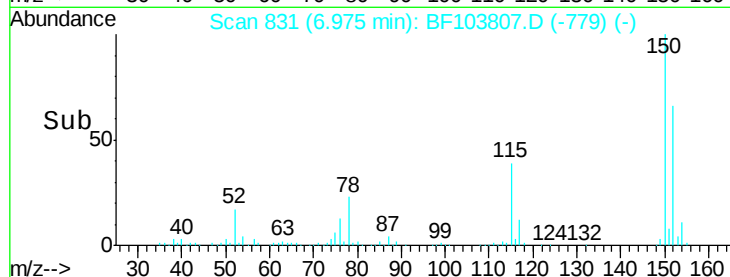
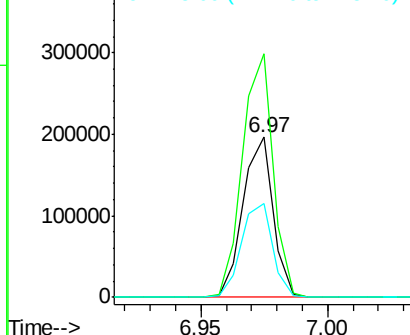


Abundance

Ion 152.00 (151.70 to 152.70): E

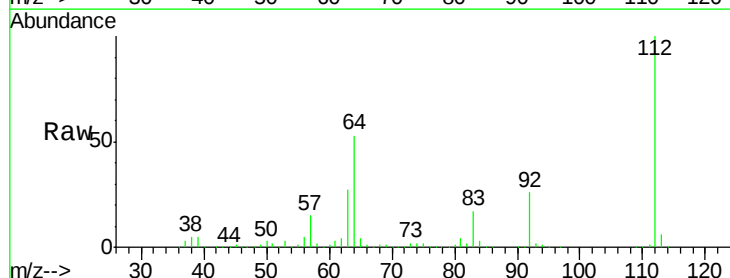
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 110.433 ng
 RT: 5.60 min Scan# 598
 Delta R.T. 0.02 min
 Lab File: BF103807.D
 Acq: 20 Mar 2018 17:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	47.9	71.9
63	26.5	23.7	35.5

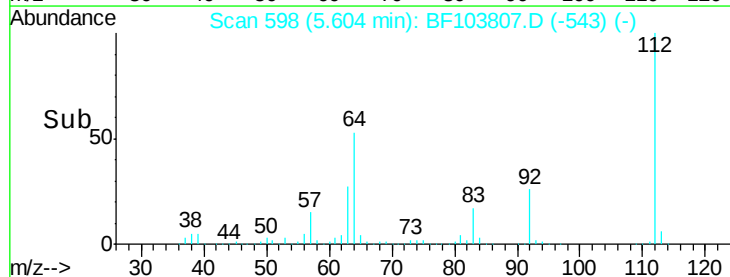
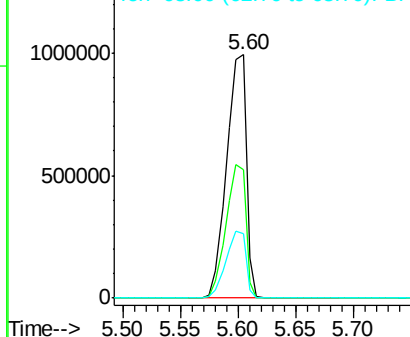


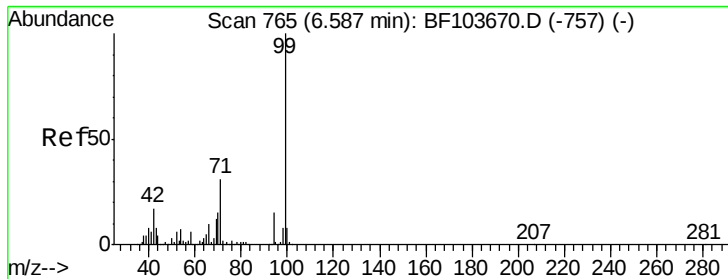
Abundance

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: 124.973 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

Instrument :

BNA_F

ClientSampleId :

MW-105(13-14)

Tot Ion: 99 Resp: 1634177

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

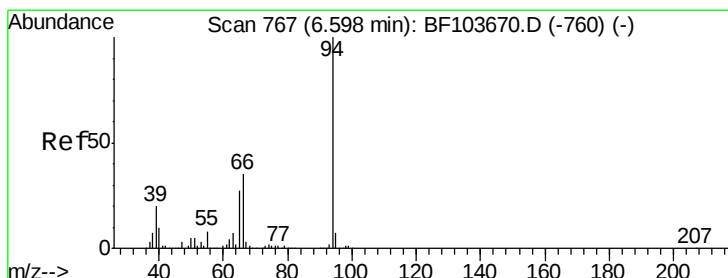
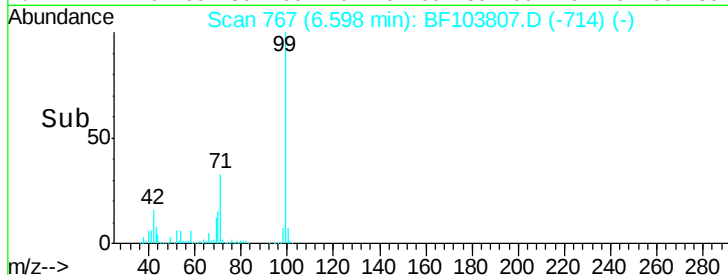
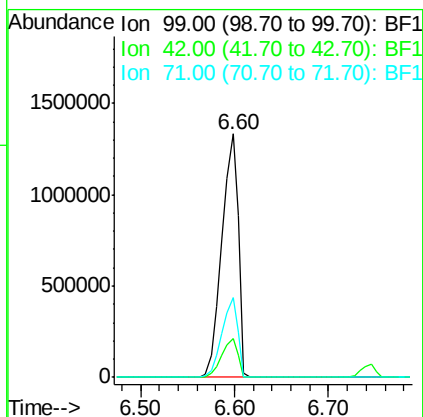
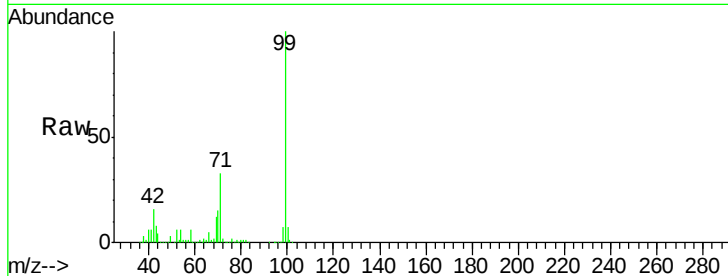
71 33.0 25.4 38.0

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#10

Phenol

Concen: 2.769 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

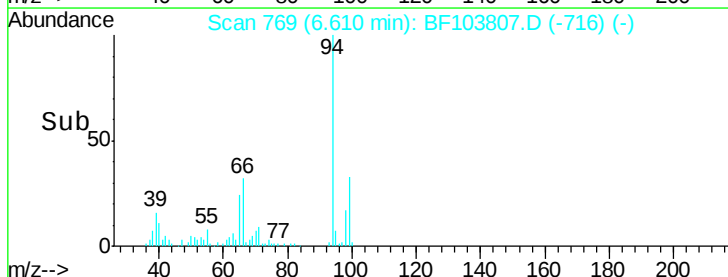
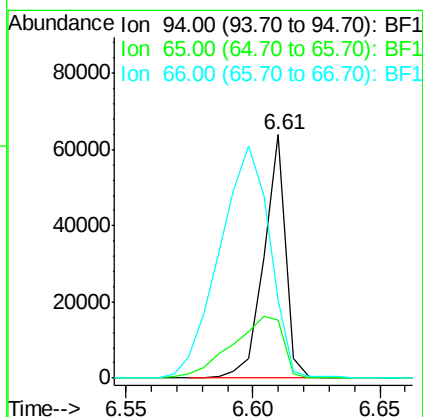
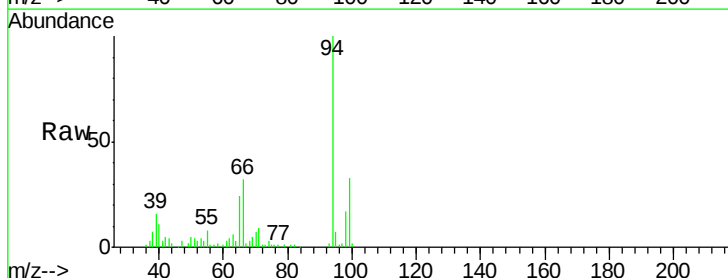
Tgt Ion: 94 Resp: 38473

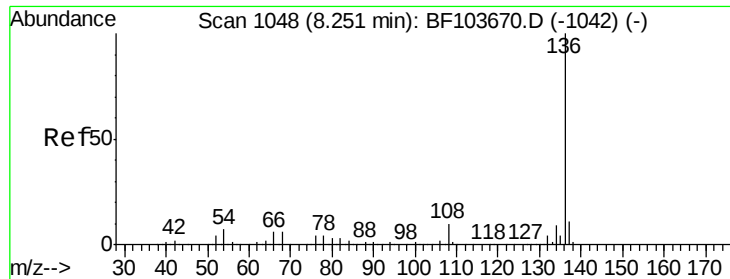
Ion Ratio Lower Upper

94 100

65 23.9 7.9 47.9

66 32.5 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

Instrument :

BNA_F

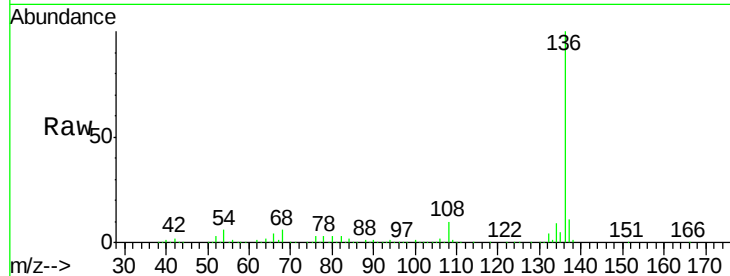
ClientSampleId :

MW-105(13-14)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		601019		
137	10.9		8.9	13.3	
54	6.5		6.6	9.8	
68	5.9		5.0	7.4	

Manual Integrations
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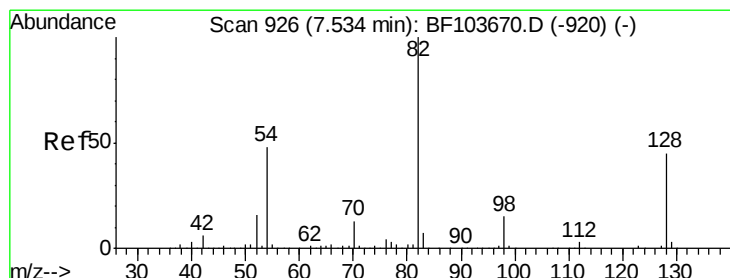
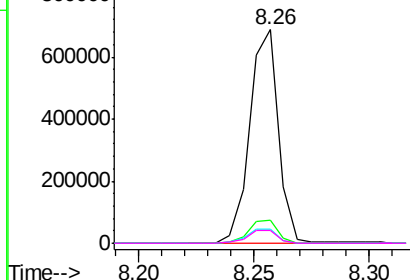
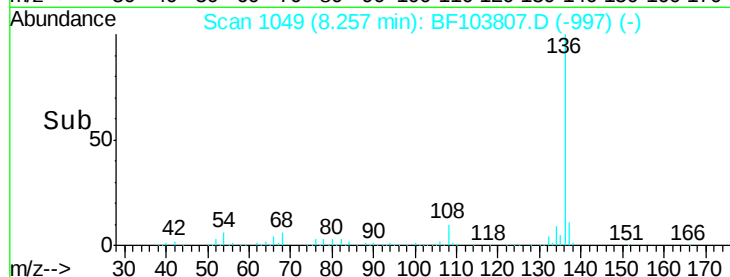


Abundance Ion 136.00 (135.70 to 136.70): E

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: 107.672 ng

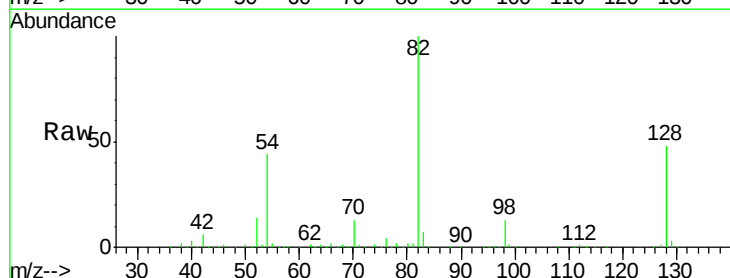
RT: 7.54 min Scan# 927

Delta R.T. 0.01 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

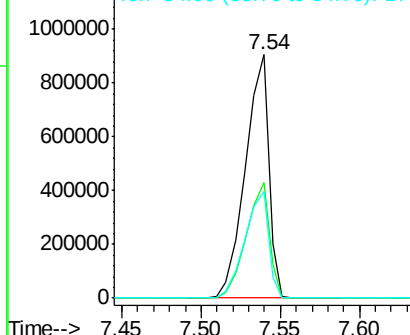
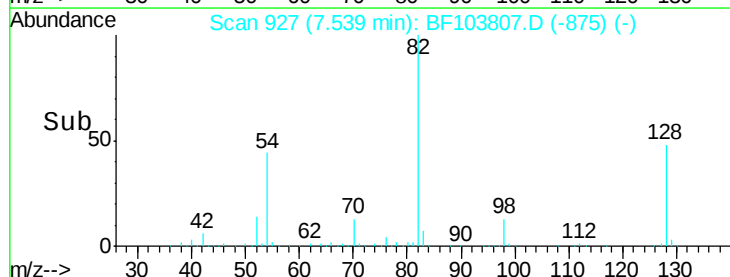
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		927973		
128	47.5		36.1	54.1	
54	43.6		41.4	62.2	

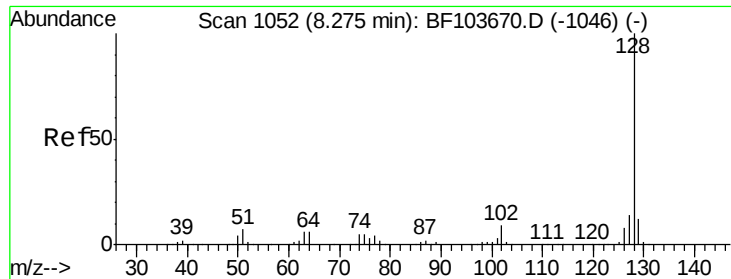


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





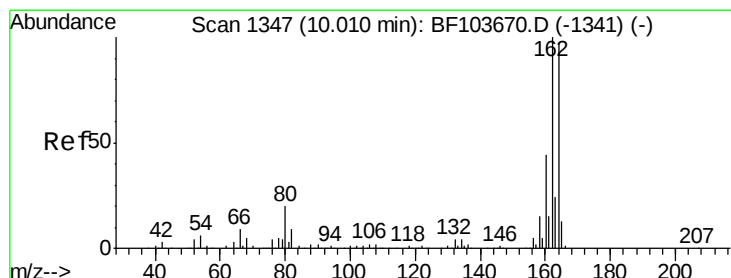
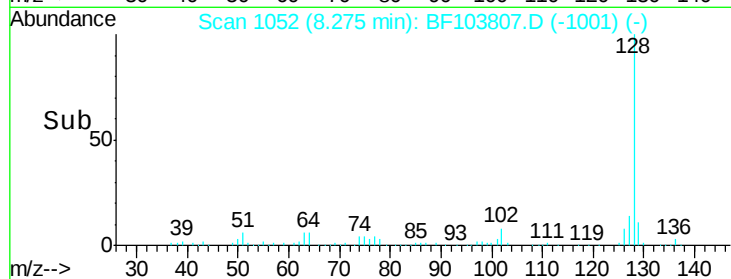
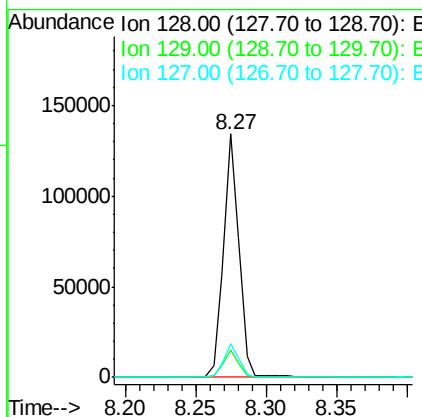
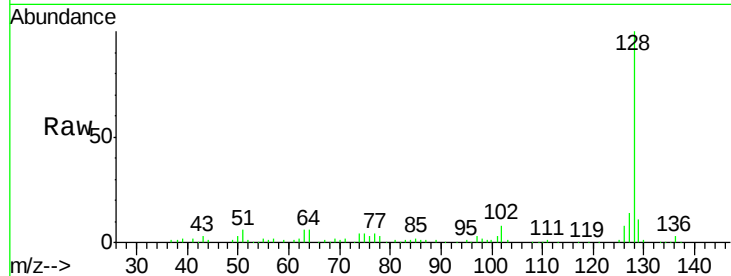
#31
Naphthalene
Concen: 3.395 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Instrument :
BNA_F
ClientSampleId :
MW-105(13-14)

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.9	10.9	16.3

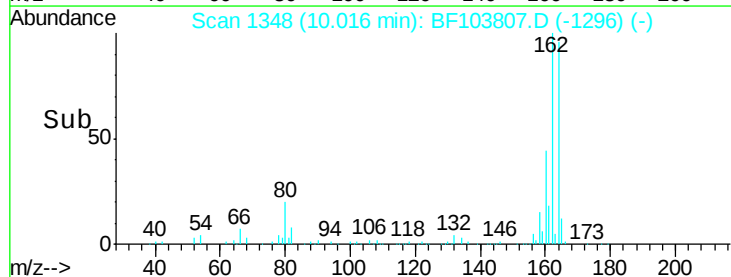
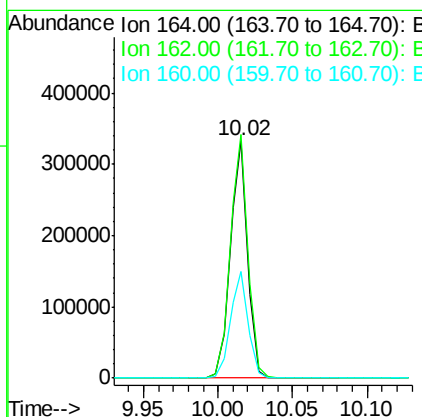
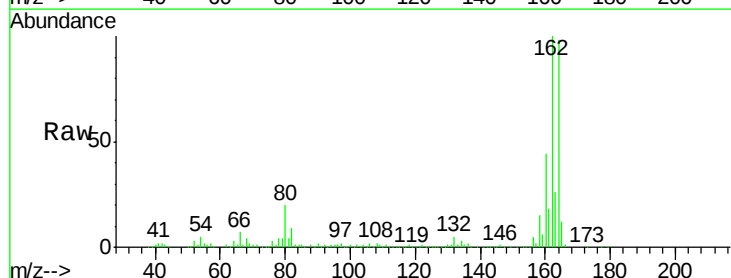
Manual Integrations
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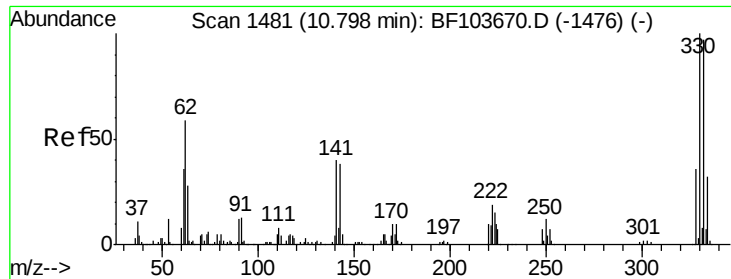
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	44.8	38.3	57.5





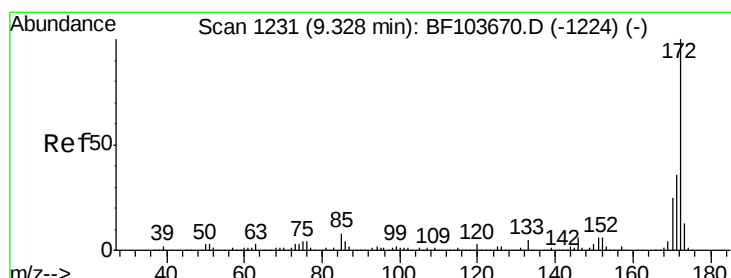
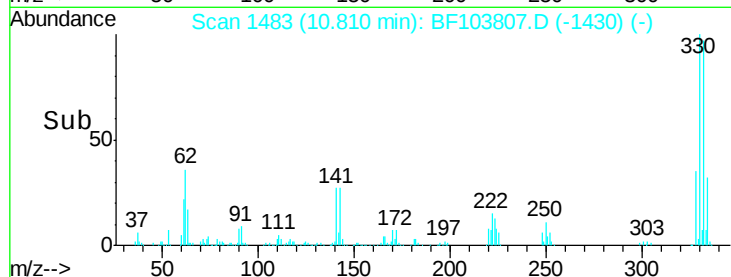
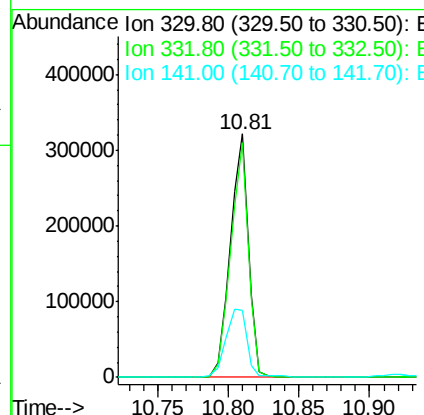
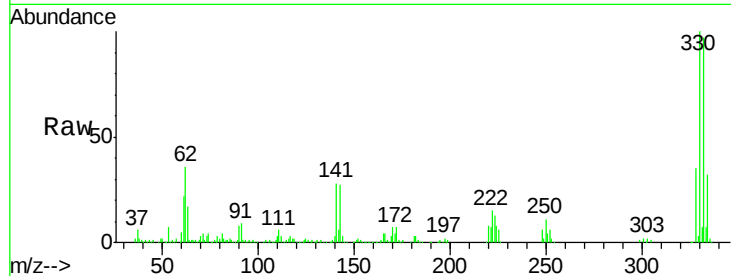
#41
 2,4,6-Tribromophenol
 Concen: 122.546 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.01 min
 Lab File: BF103807.D
 Acq: 20 Mar 2018 17:31

Instrument :
 BNA_F
 ClientSampleId :
 MW-105(13-14)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	287327		
332	94.9	77.0	115.6	
141	32.3	29.9	44.9	

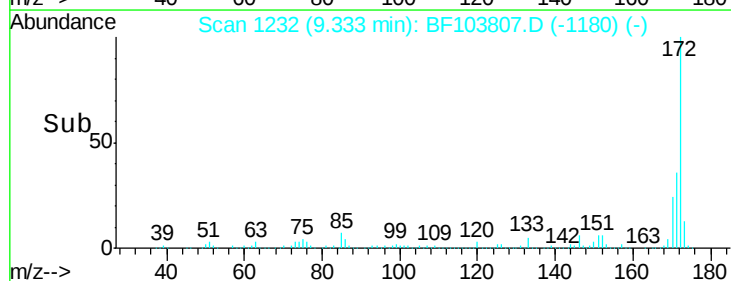
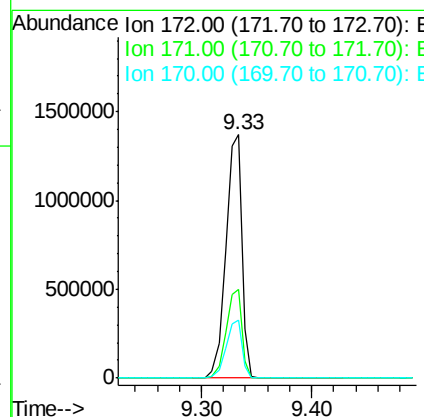
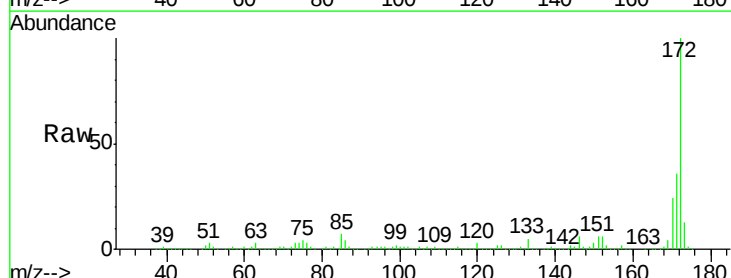
Manual Integrations
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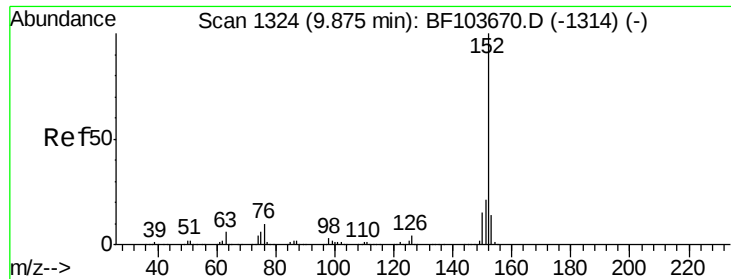
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#44
 2-Fluorobiphenyl
 Concen: 81.253 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: BF103807.D
 Acq: 20 Mar 2018 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1389042		
171	36.5	29.7	44.5	
170	24.0	19.6	29.4	





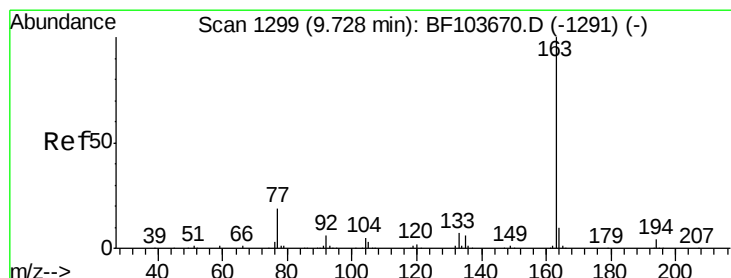
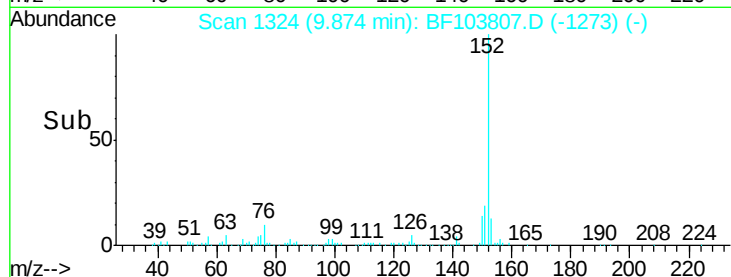
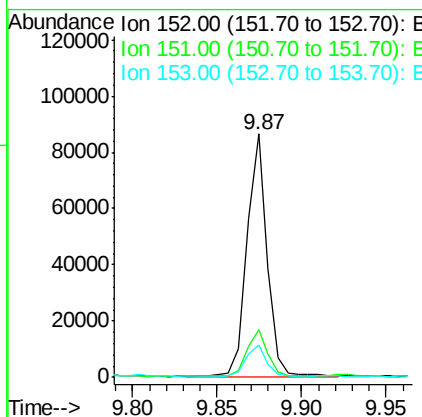
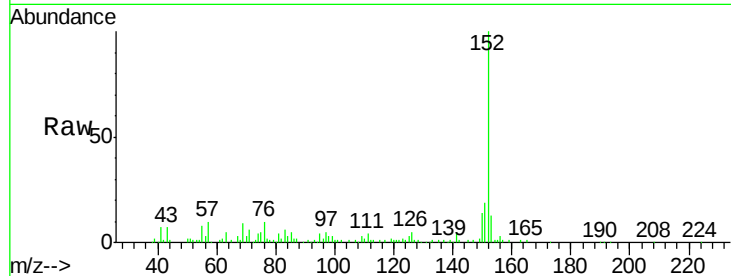
#48
Acenaphthylene
Concen: 2.547 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Instrument :
BNA_F
ClientSampleId :
MW-105(13-14)

Tot Ion:	152	Resp:	71334
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.3	24.5
153	13.4	10.7	16.1

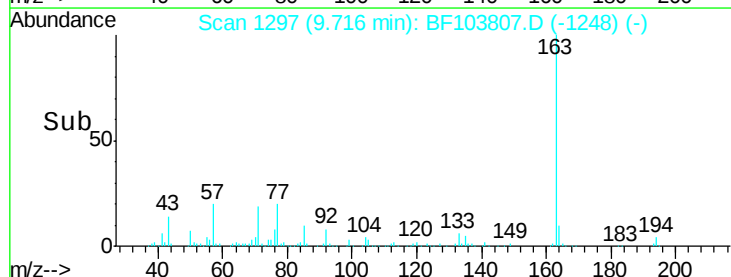
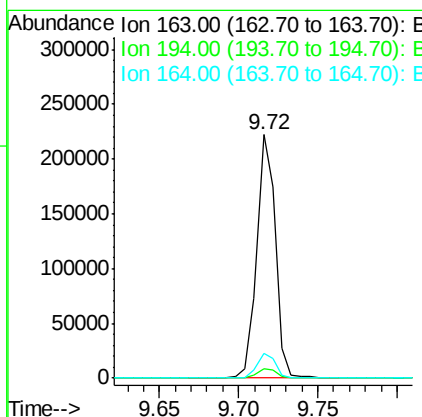
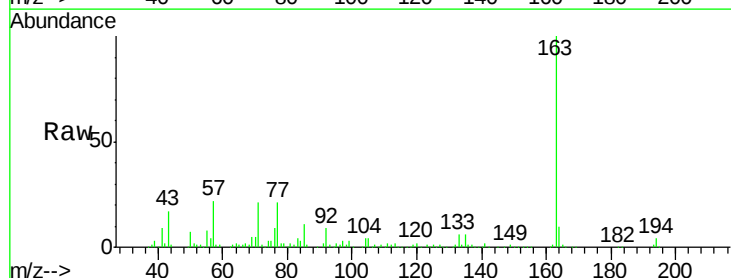
Manual Integrations
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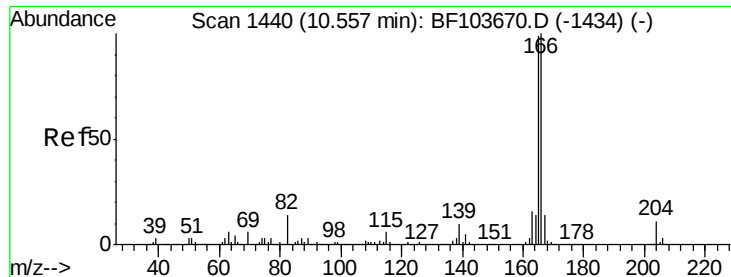
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#49
Dimethylphthalate
Concen: 8.739 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Tgt Ion:	163	Resp:	181816
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.7	4.1
164	10.0	8.2	12.2





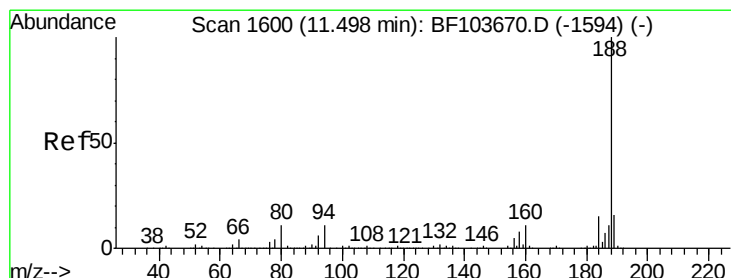
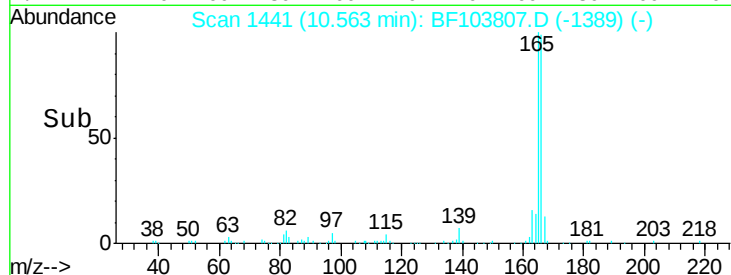
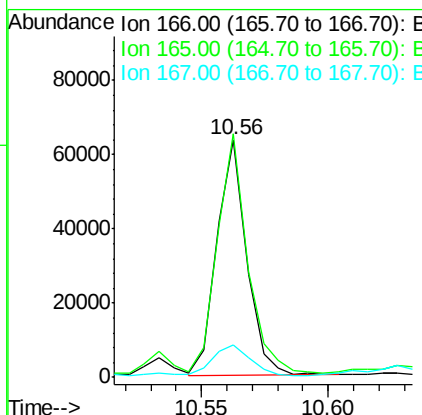
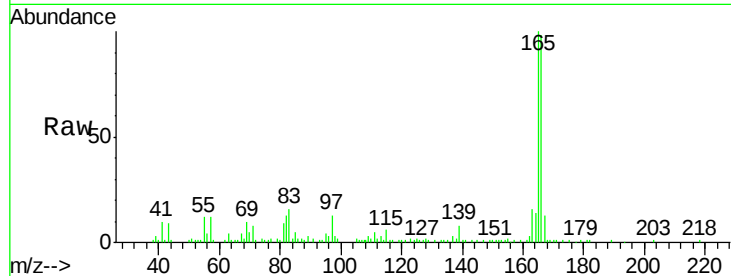
#57
Fluorene
 Concen: 2.823 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF103807.D
 Acq: 20 Mar 2018 17:31

Instrument :
 BNA_F
 ClientSampleId :
 MW-105(13-14)

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	102.4	79.8	119.8	
167	13.7	10.6	16.0	

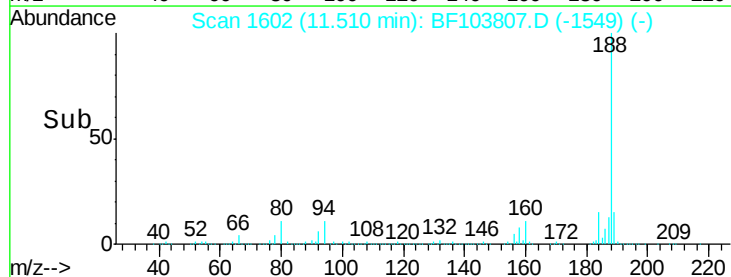
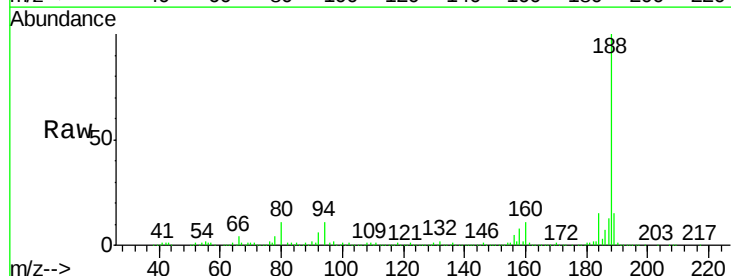
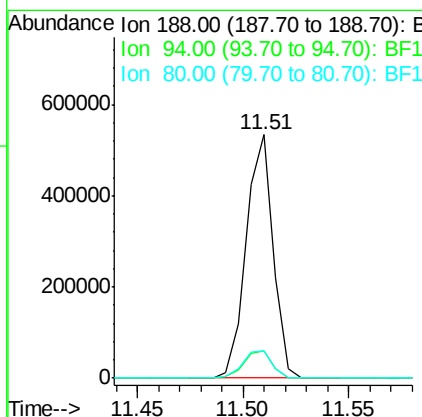
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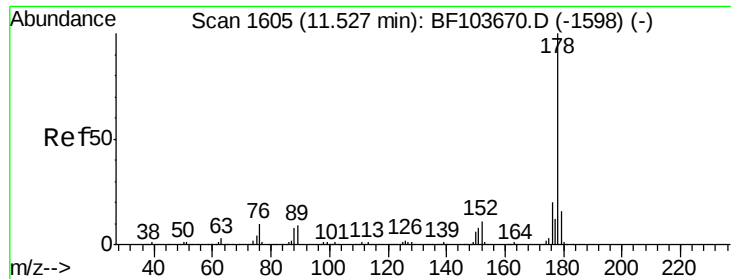
Sohil
 3/22/2018 12:57:33 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. 0.01 min
 Lab File: BF103807.D
 Acq: 20 Mar 2018 17:31

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	11.1	8.5	12.7	
80	11.4	9.2	13.8	





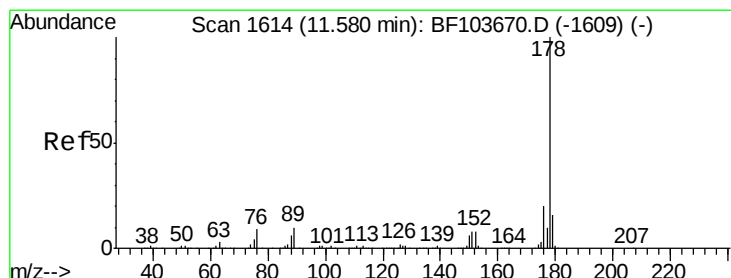
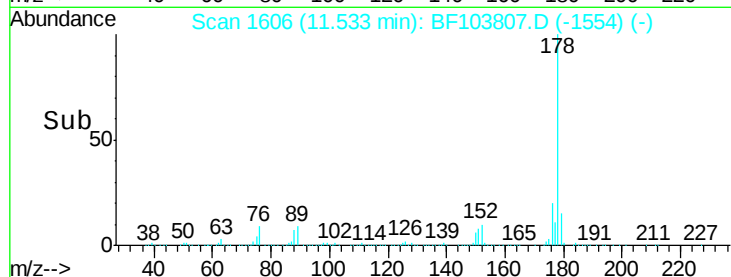
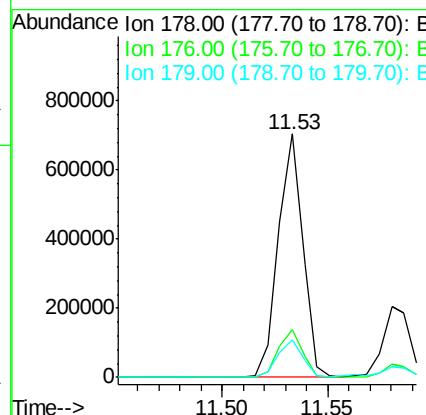
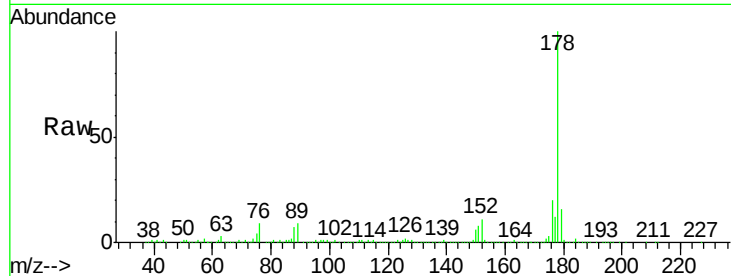
#70
Phenanthrene
Concen: 22.142 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Instrument :
BNA_F
ClientSampleId :
MW-105(13-14)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.7	13.0	19.6

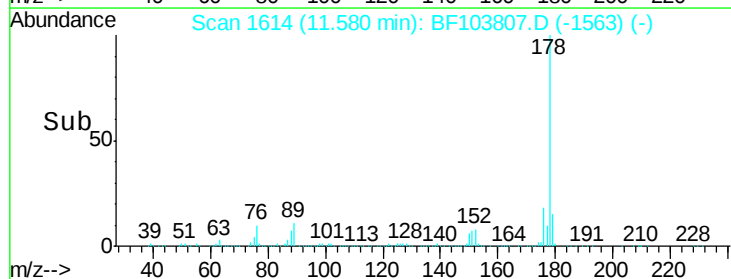
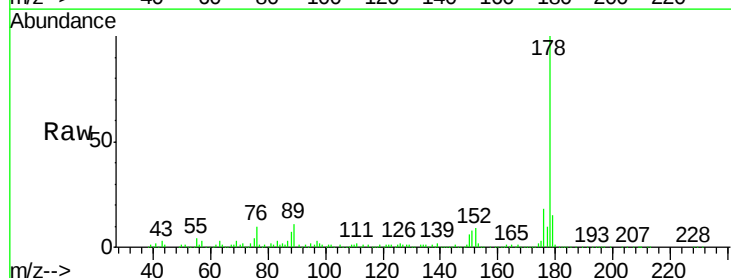
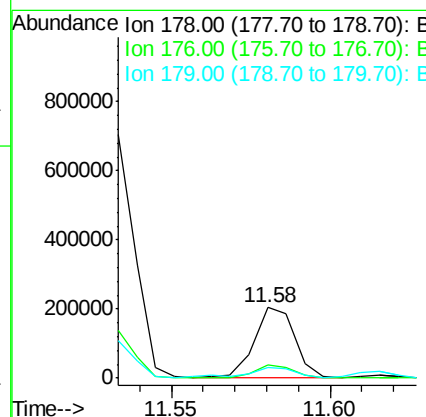
Manual Integrations
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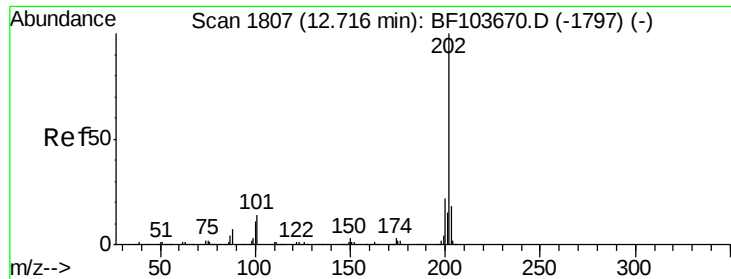
Sohil
3/22/2018 12:57:33 PM



#71
Anthracene
Concen: 6.786 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.00 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.5	12.6	19.0





#74

Fluoranthene

Concen: 28.945 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

Instrument :

BNA_F

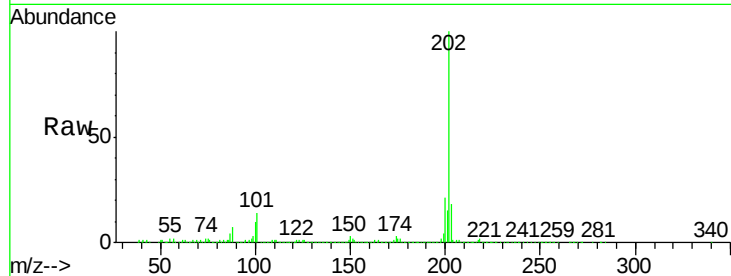
ClientSampleId :

MW-105(13-14)

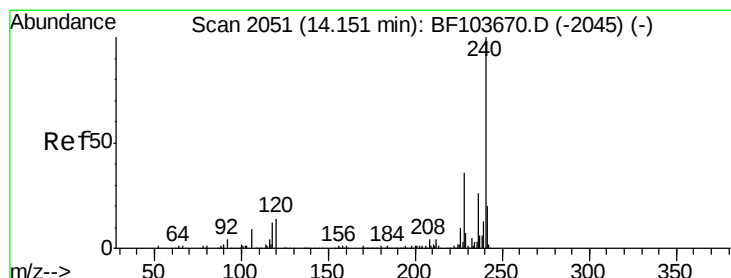
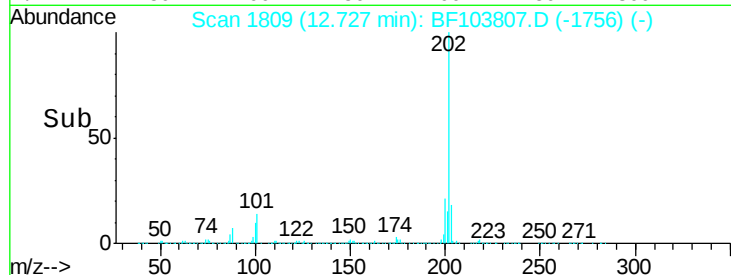
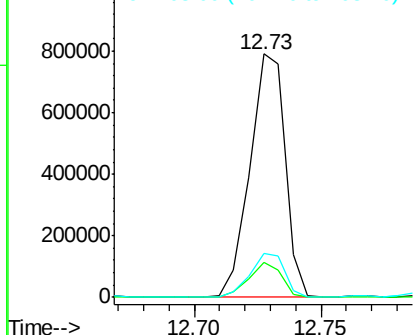
Tot Ion	Ratio	Resp	Lower	Upper
202	100	766784		
101	14.3	0.0	34.1	
203	18.1	0.0	38.1	

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

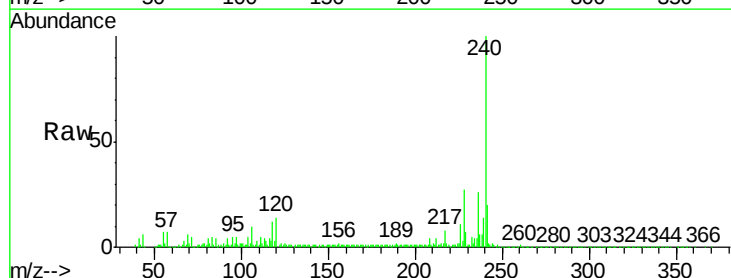
RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

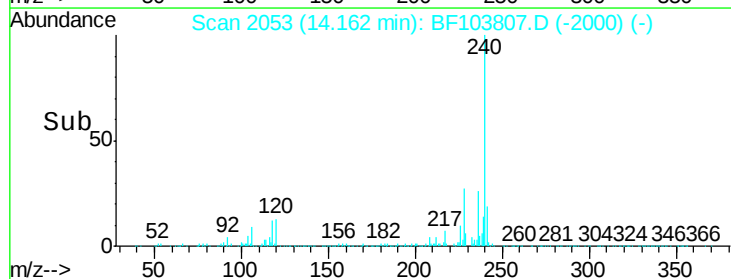
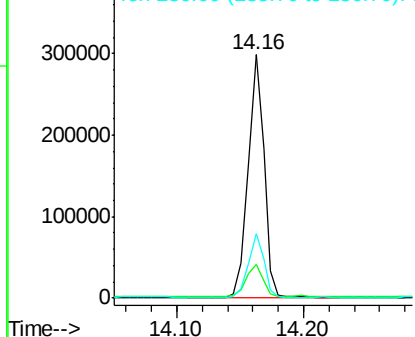
Lab File: BF103807.D

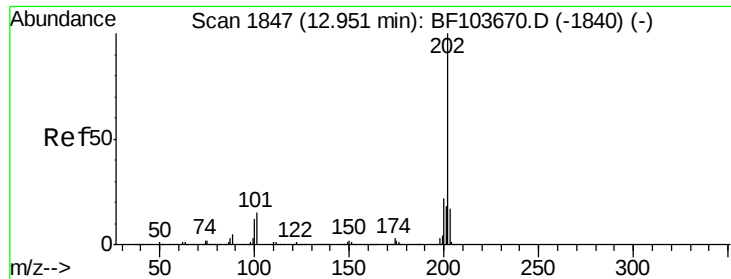
Acq: 20 Mar 2018 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	260547		
120	14.0	9.5	14.3	
236	26.3	20.7	31.1	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





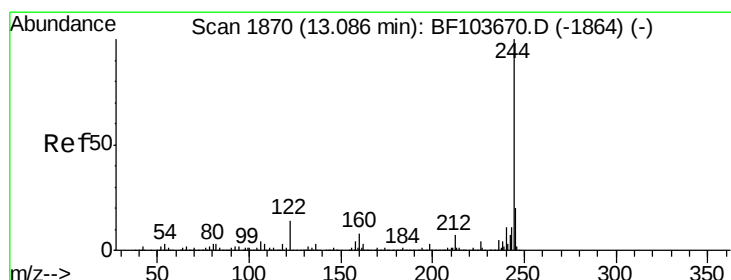
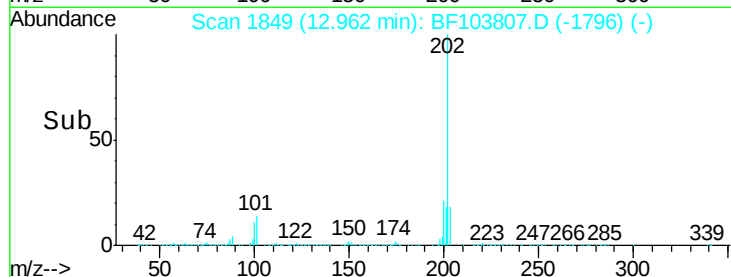
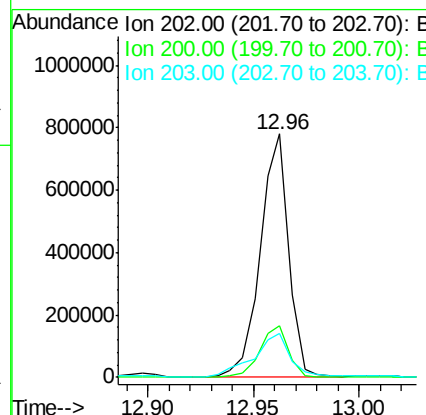
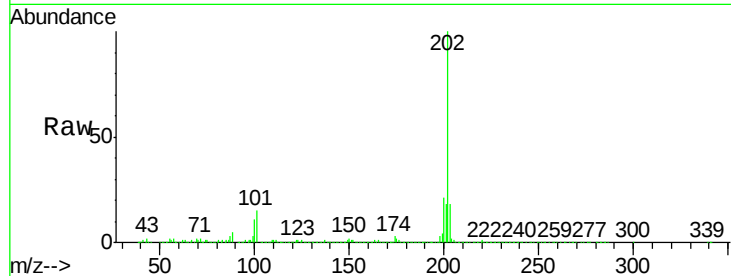
#77
Pvrene
Concen: 37.979 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Instrument :
BNA_F
ClientSampled :
MW-105(13-14)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.9	14.3	21.5

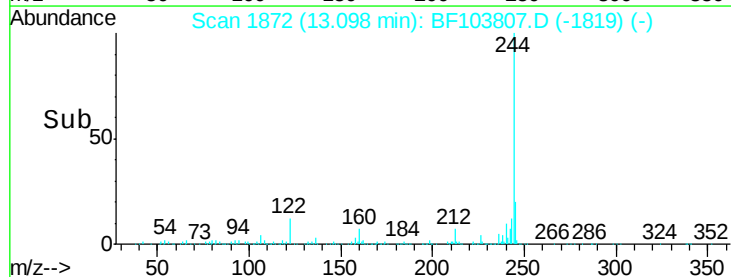
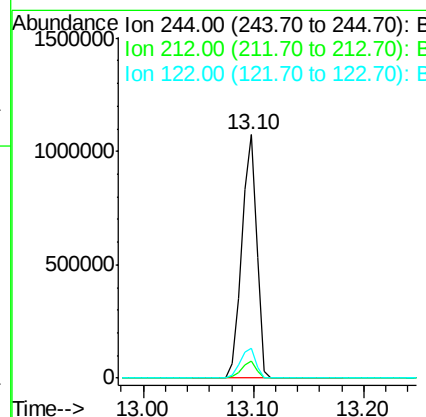
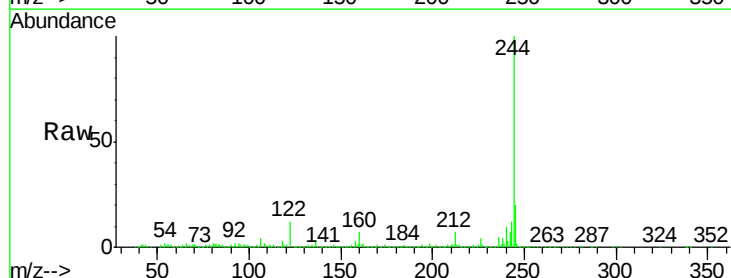
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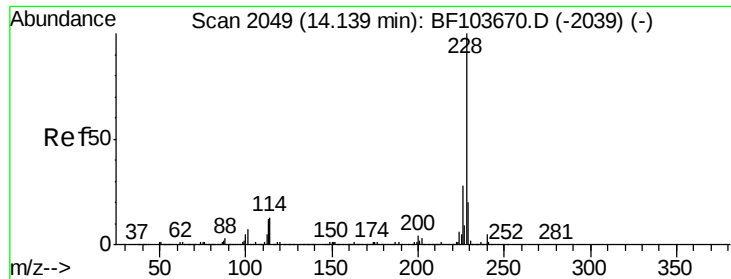
Sohil
3/22/2018 12:57:33 PM



#78
Terphenyl-d14
Concen: 91.486 ng
RT: 13.10 min Scan# 1872
Delta R.T. 0.01 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.0	11.0	16.4





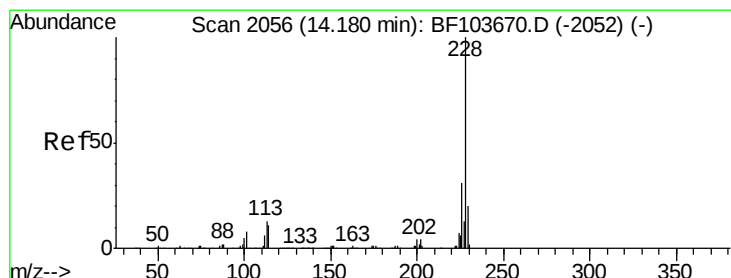
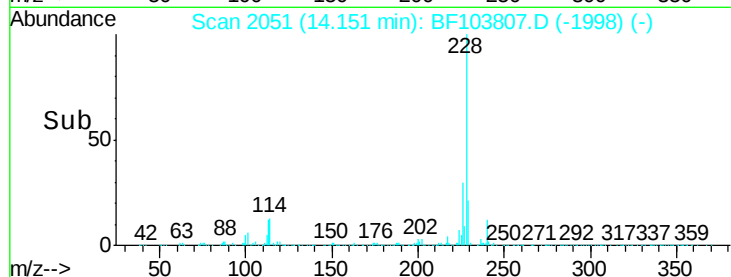
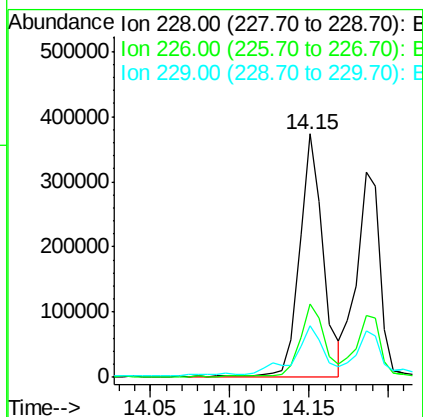
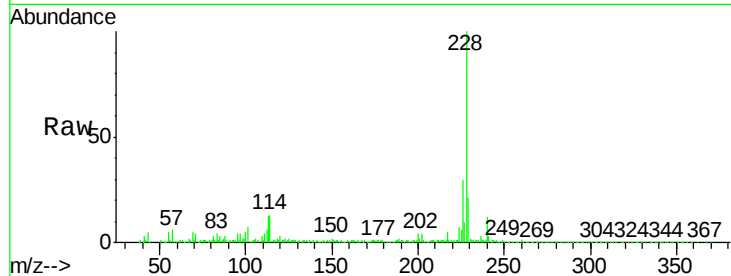
#80
Benzo(a)anthracene
Concen: 22.877 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.01 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Instrument :
BNA_F
ClientSampleId :
MW-105(13-14)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	21.3	15.8	23.6

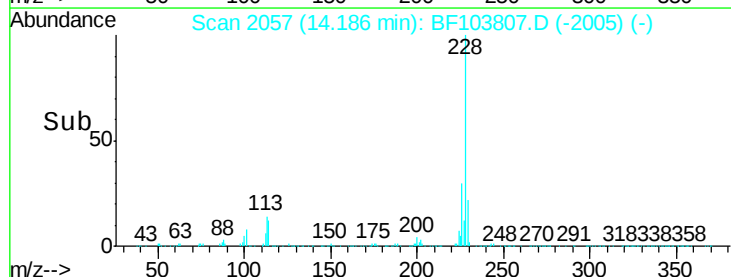
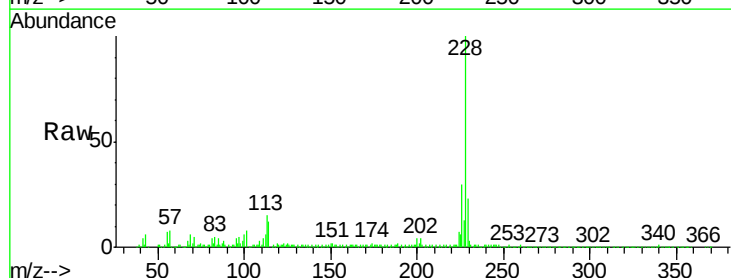
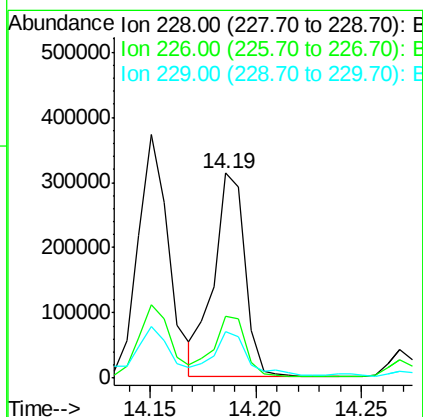
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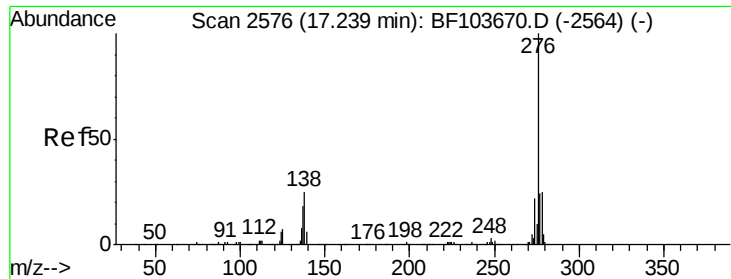
Sohil
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#82
Chrysene
Concen: 20.555 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.01 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	22.7	16.2	24.4





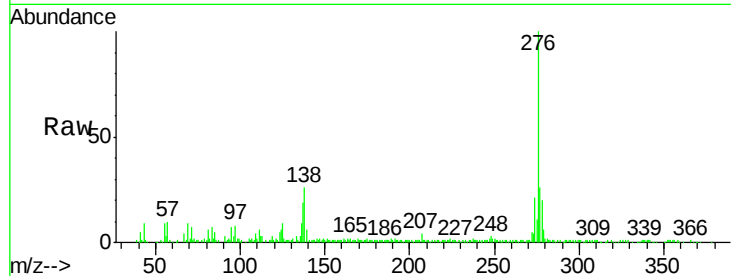
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.363 ng
RT: 17.27 min Scan# 2582
Delta R.T. 0.04 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Instrument :
BNA_F
ClientSampleId :
MW-105(13-14)

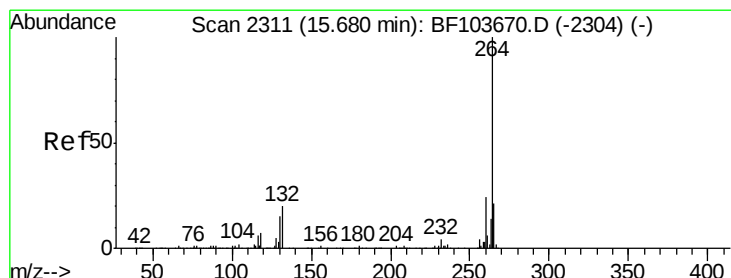
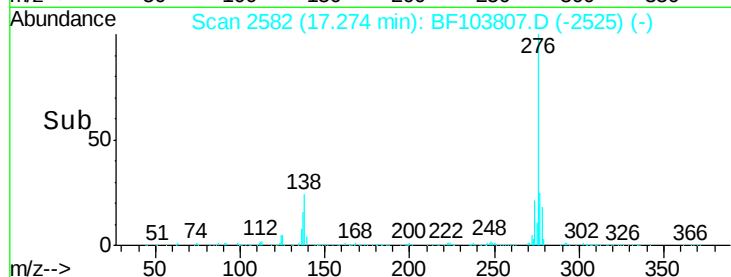
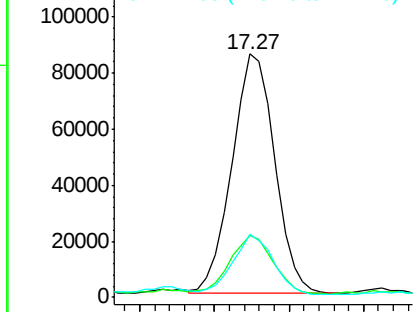
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.3	25.0	37.6
277	24.2	20.1	30.1

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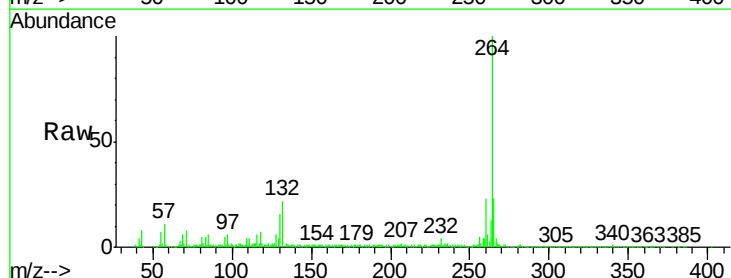


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

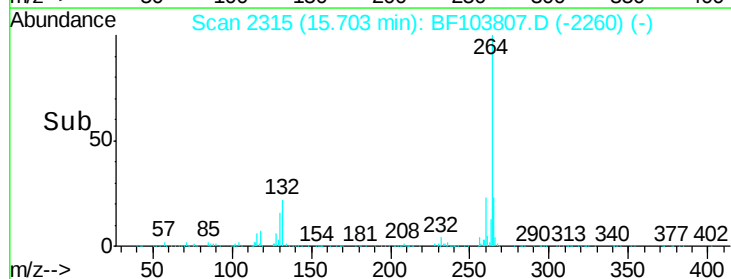
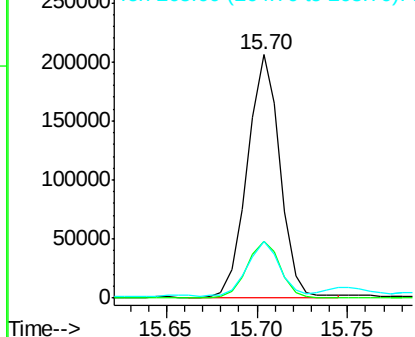


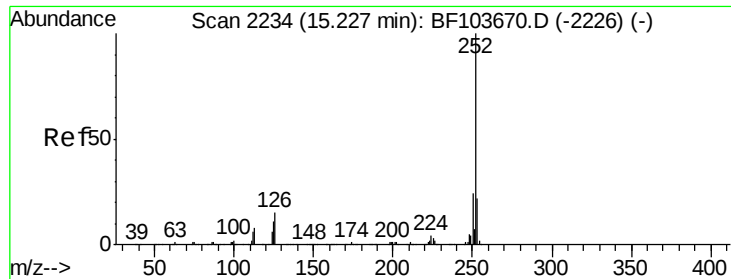
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	23.4	17.5	26.3



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: 24.793 ng m

RT: 15.24 min Scan# 2237

Delta R.T. 0.02 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

Instrument :

BNA_F

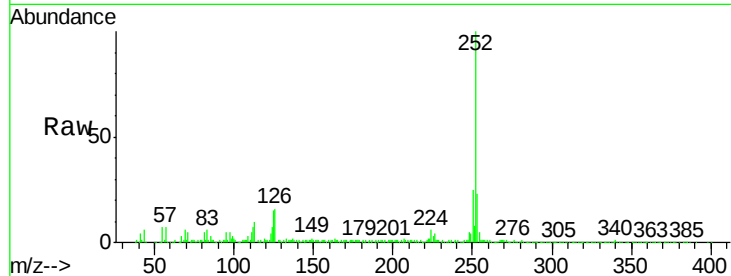
ClientSampleId :

MW-105(13-14)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	15.1	9.0	13.6

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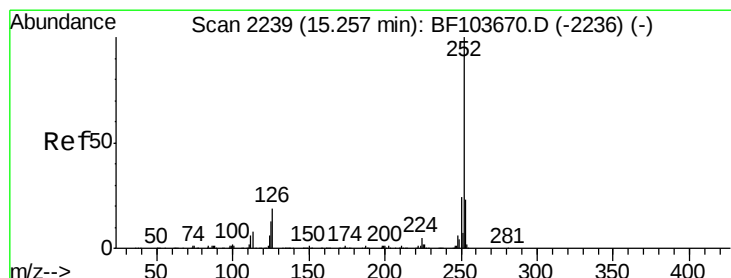
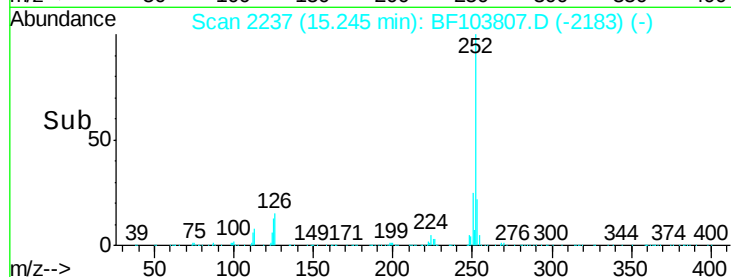
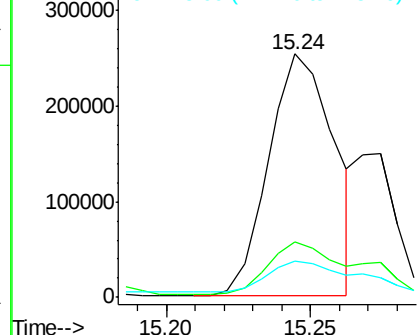
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 9.472 ng m

RT: 15.27 min Scan# 2242

Delta R.T. 0.02 min

Lab File: BF103807.D

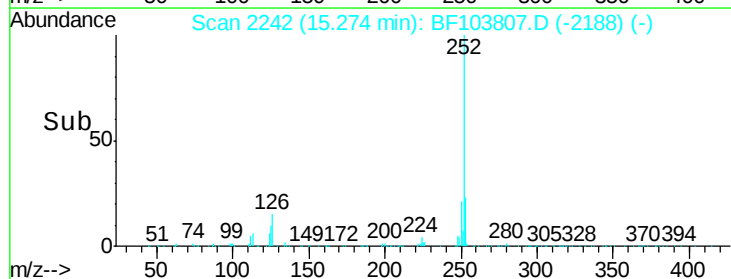
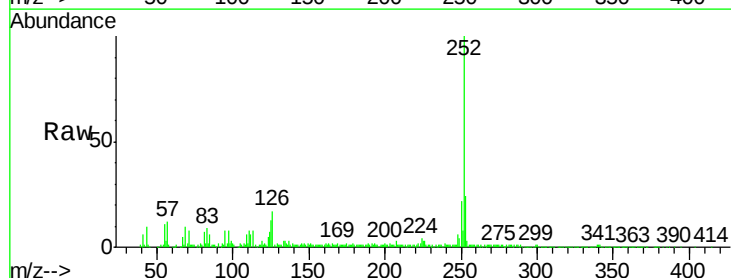
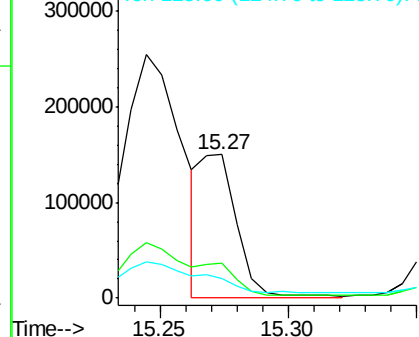
Acq: 20 Mar 2018 17:31

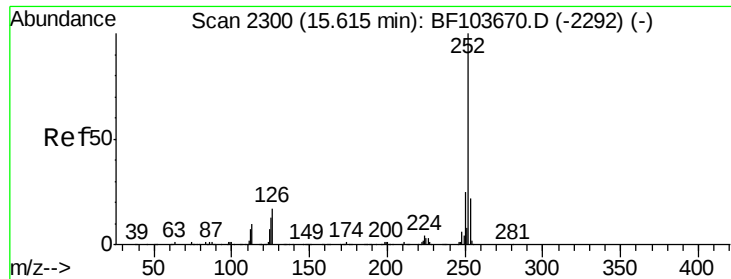
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	13.5	10.2	15.2

Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





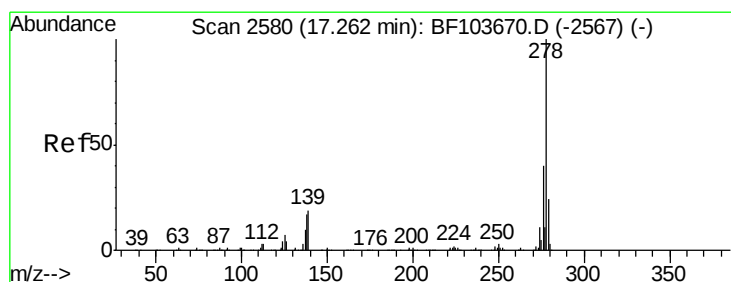
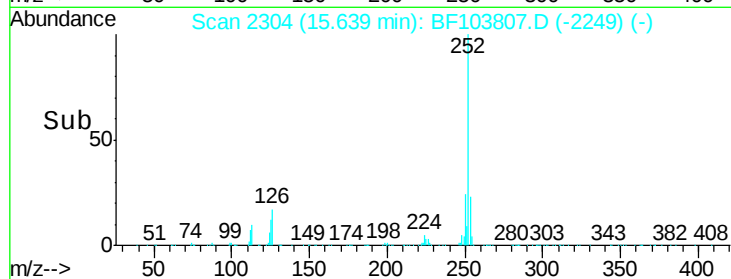
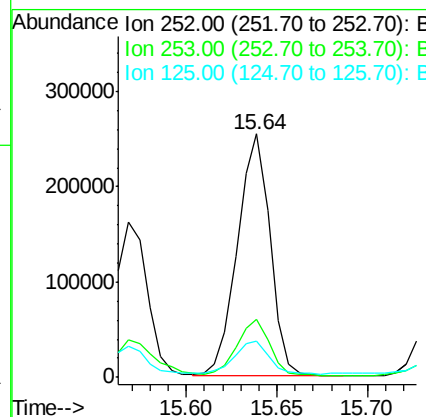
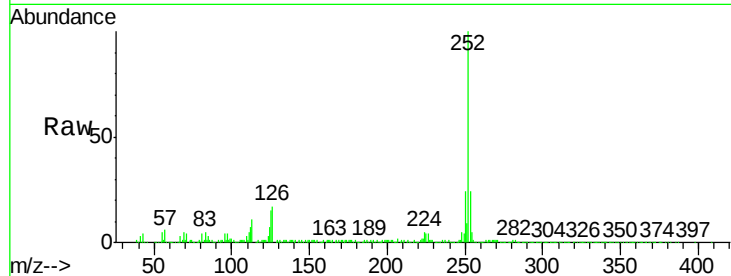
#89
Benzo(a)pyrene
Concen: 21.731 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.02 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Instrument :
BNA_F
ClientSampleId :
MW-105(13-14)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.7	17.1	25.7
125	14.8	9.8	14.6

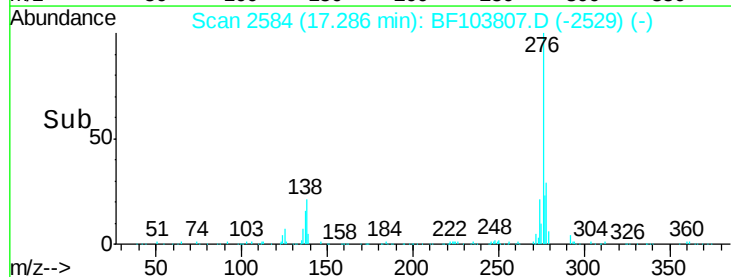
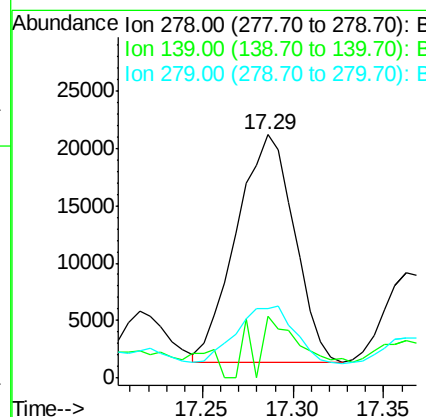
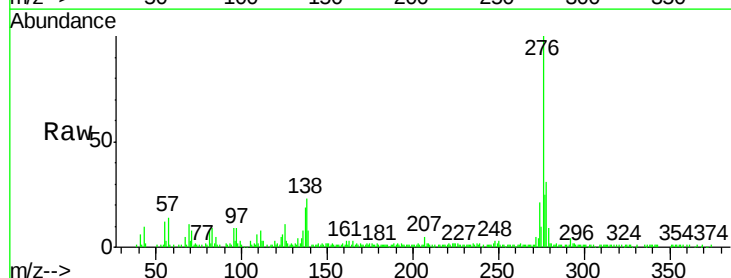
Manual Integrations
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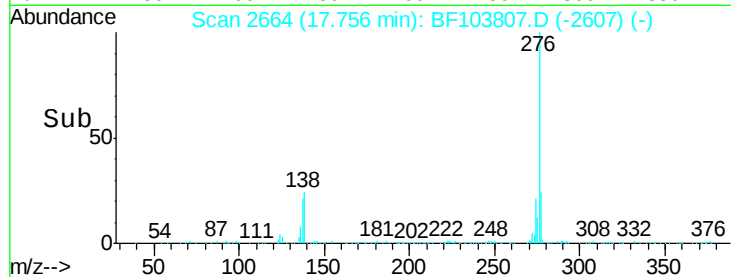
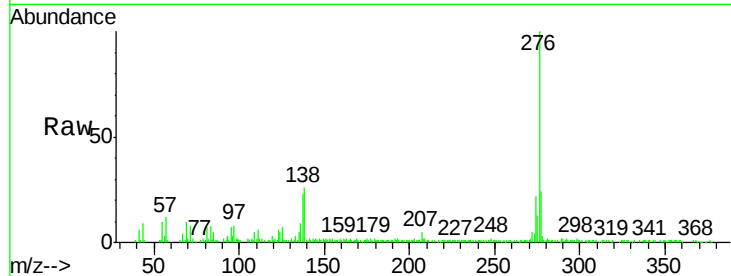
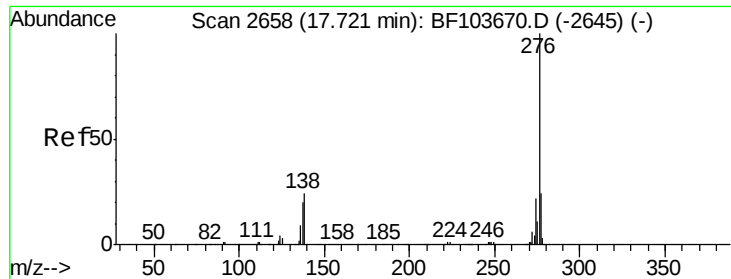
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 3.459 ng
RT: 17.29 min Scan# 2584
Delta R.T. 0.02 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	25.6	15.9	23.9
279	28.4	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 12.913 ng
 RT: 17.76 min Scan# 2664
 Delta R.T. 0.04 min
 Lab File: BF103807.D
 Acq: 20 Mar 2018 17:31

Instrument :
 BNA_F
 ClientSampleId :
 MW-105(13-14)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	25.7	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 3/22/2018 12:57:33 PM

