

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104197.D
 Acq On : 3 Apr 2018 23:16
 Operator : JU/SJ
 Sample : J2182-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-7-EW(1-5)

Manual Integrations
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 4/4/2018 4:10:04 PM

Quant Time: Apr 04 02:06:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 15:22:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	126158	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	536694	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	251454	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	415344	20.00	ng	0.00
75) Chrysene-d12	14.16	240	245928	20.00	ng	0.00
86) Perylene-d12	15.72	264	242484	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	888959	112.37	ng	0.00
7) Phenol-d6	6.60	99	1129554	116.06	ng	0.00
23) Nitrobenzene-d5	7.53	82	703451	80.16	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	289107	103.25	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1203837	75.49	ng	0.00
78) Terphenyl-d14	13.09	244	899974	84.50	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.70	163	120309	6.060	ng	Qvalue 100
51) Acenaphthene	10.03	154	32721	2.193	ng	94
57) Fluorene	10.55	166	50806	2.827	ng	98
70) Phenanthrene	11.52	178	531833	23.651	ng	98
71) Anthracene	11.57	178	197055	8.389	ng	98
72) Carbazole	11.74	167	70367	3.139	ng	# 94
73) Di-n-butylphthalate	12.04	149	59238	2.218	ng	# 94
74) Fluoranthene	12.72	202	780063	32.635	ng	97
77) Pyrene	12.95	202	678960	38.405	ng	99
80) Benzo(a)anthracene	14.14	228	337725m	21.947	ng	
82) Chrysene	14.19	228	304919	20.231	ng	97
85) Indeno(1,2,3-cd)pyrene	17.31	276	160504m	10.277	ng	
87) Benzo(b)fluoranthene	15.25	252	344933m	23.374	ng	
88) Benzo(k)fluoranthene	15.27	252	155622m	11.195	ng	
89) Benzo(a)pyrene	15.65	252	273351	19.988	ng	# 92
90) Dibenzo(a,h)anthracene	17.31	278	31401	2.483	ng	# 84
91) Benzo(a,h,i)perylene	17.80	276	152040	12.005	ng	95

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

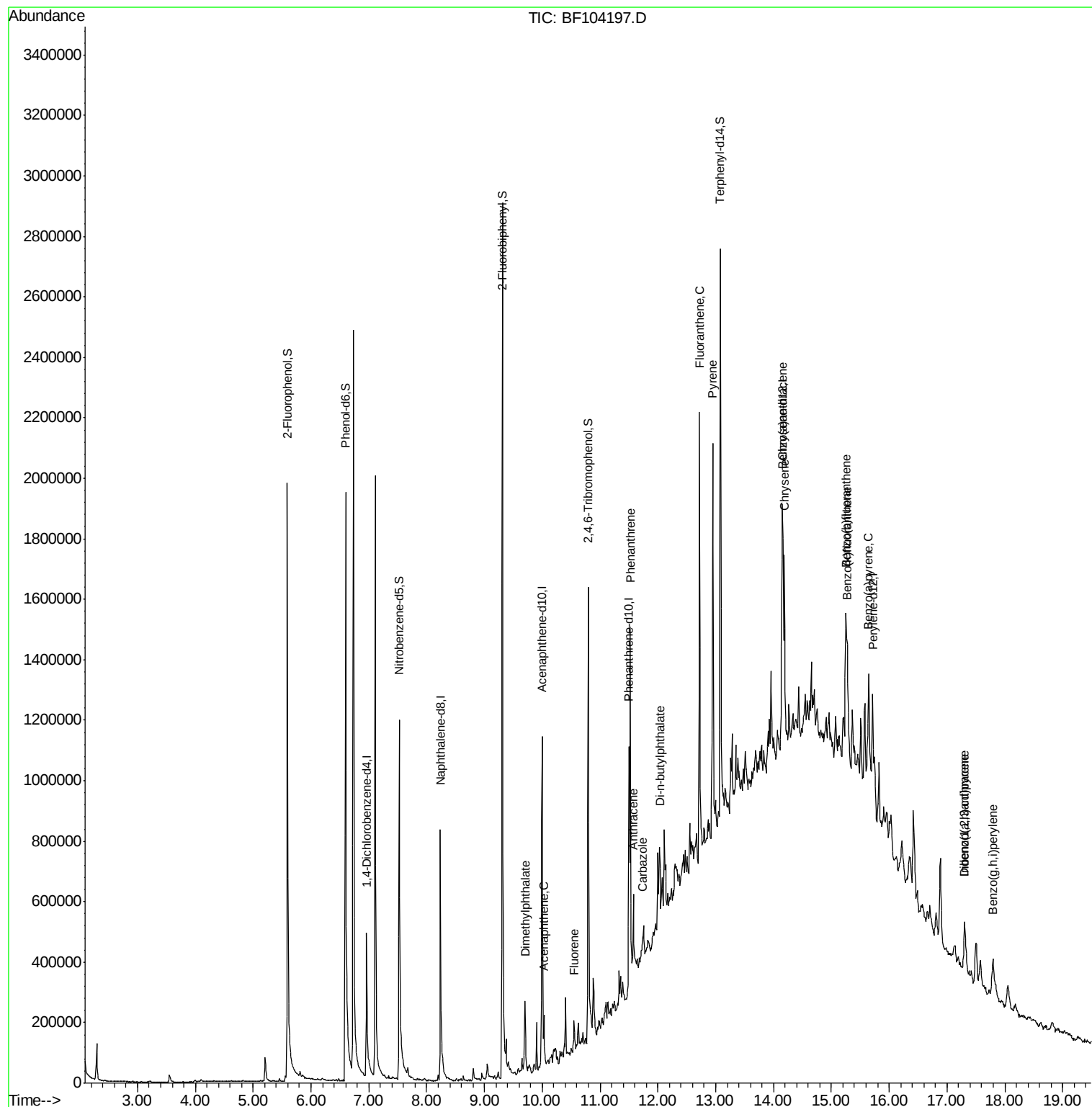
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
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ALS Vial : 14 Sample Multiplier: 1

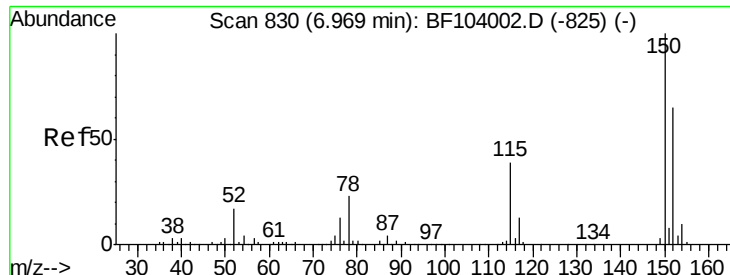
Instrument :
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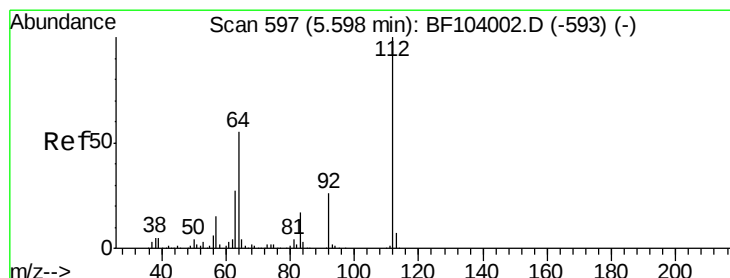
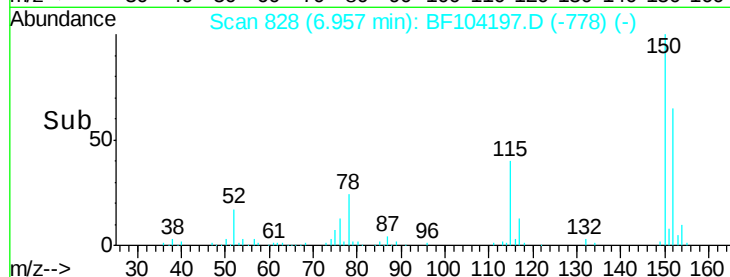
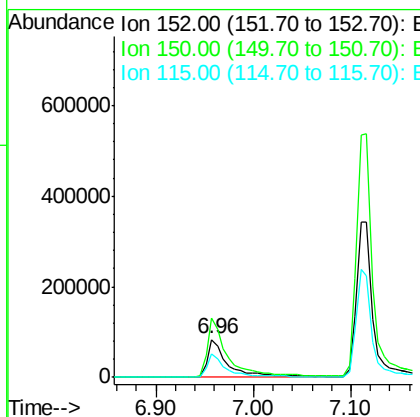
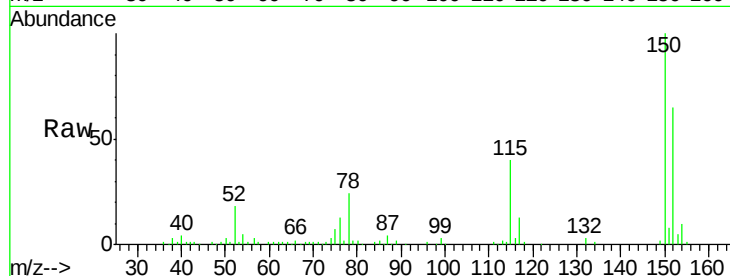
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF104197.D
 Acq: 3 Apr 2018 23:16

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-7-EW(1-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	61.8	50.1	75.1

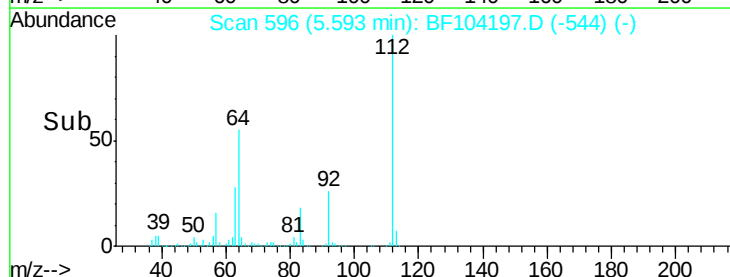
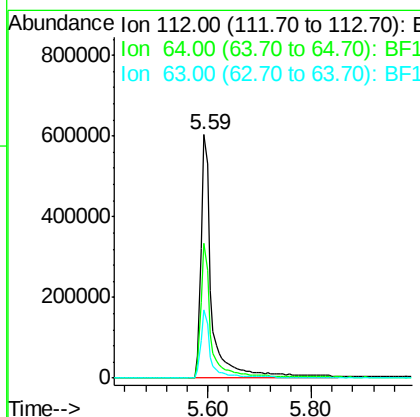
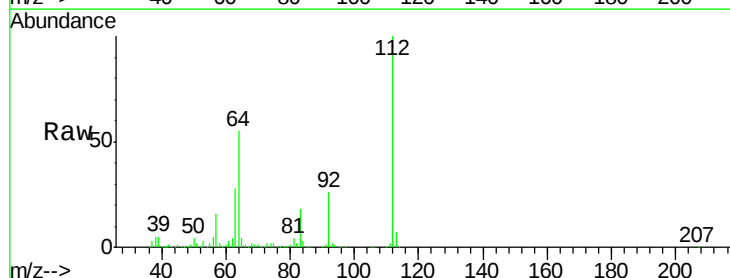
Manual Integrations
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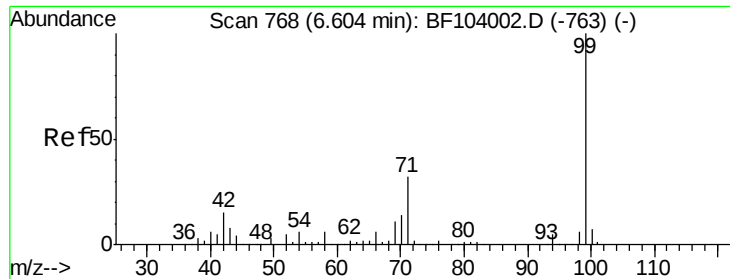
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#5
 2-Fluorophenol
 Concen: 112.372 ng
 RT: 5.59 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: BF104197.D
 Acq: 3 Apr 2018 23:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	47.9	71.9
63	27.8	23.7	35.5





#7

Phenol-d6

Concen: 116.057 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF104197.D

Acq: 3 Apr 2018 23:16

Instrument :

BNA_F

ClientSampleId :

6-WM-DIP-7-EW(1-5)

Tot Ion: 99 Resp: 1129554

Ion Ratio Lower Upper

99 100

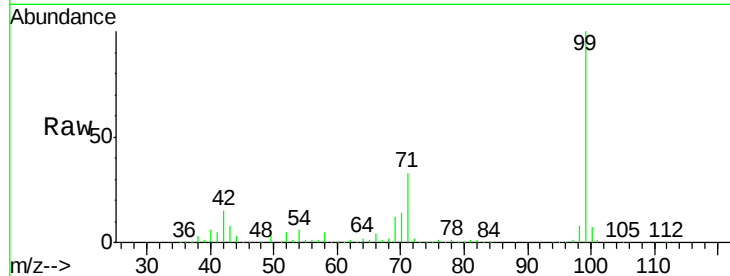
42 15.1 14.5 21.7

71 32.7 25.4 38.0

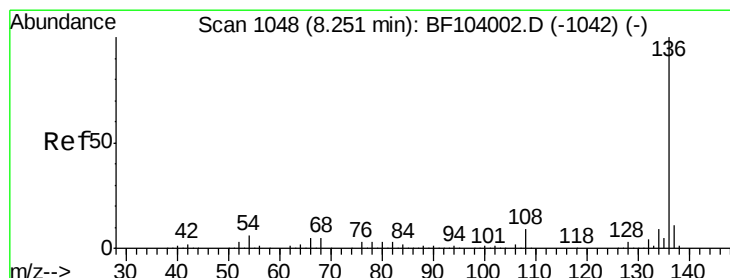
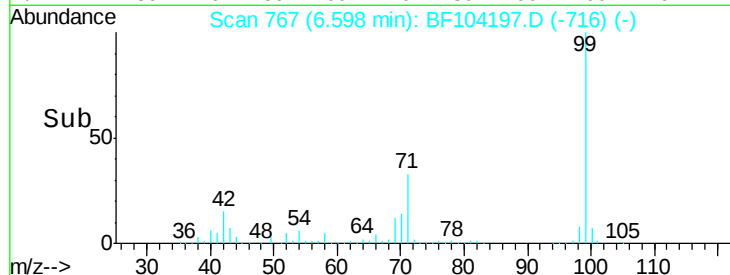
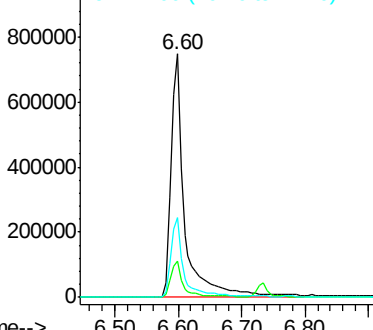
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF104197.D

Acq: 3 Apr 2018 23:16

Tgt Ion: 136 Resp: 536694

Ion Ratio Lower Upper

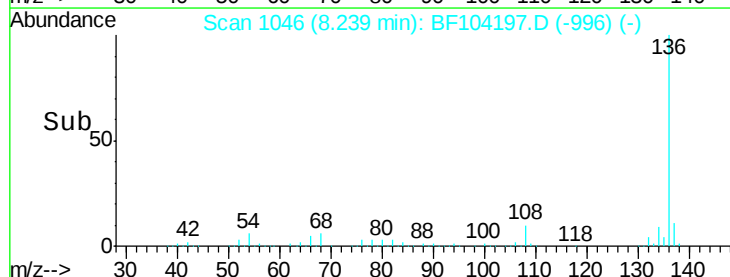
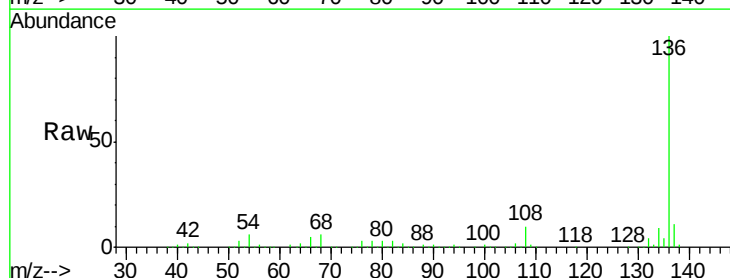
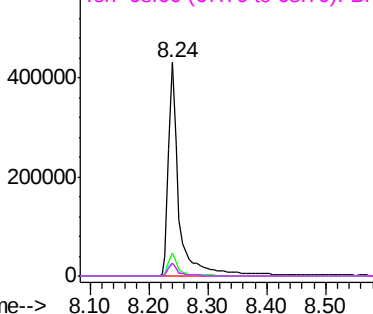
136 100

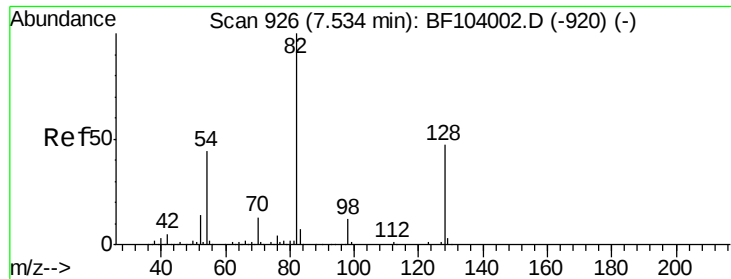
137 10.9 8.9 13.3

54 6.2 6.6 9.8#

68 5.8 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





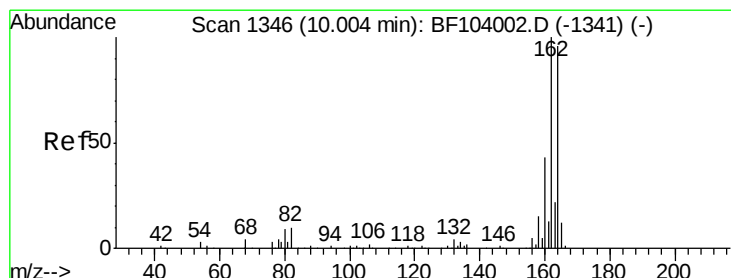
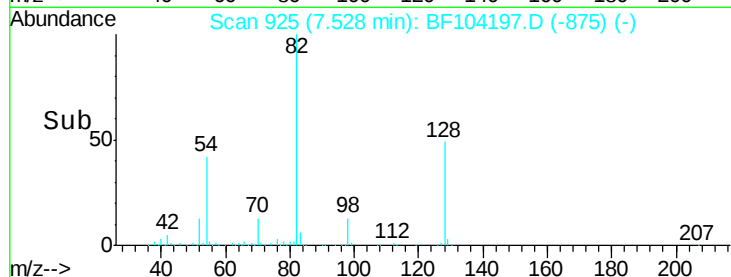
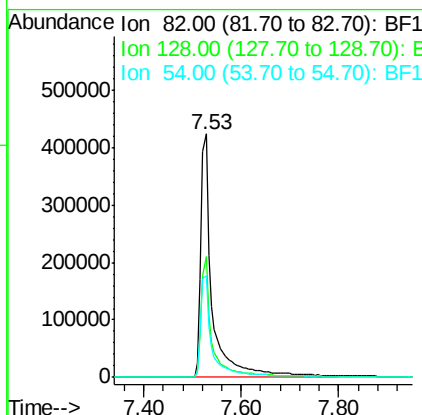
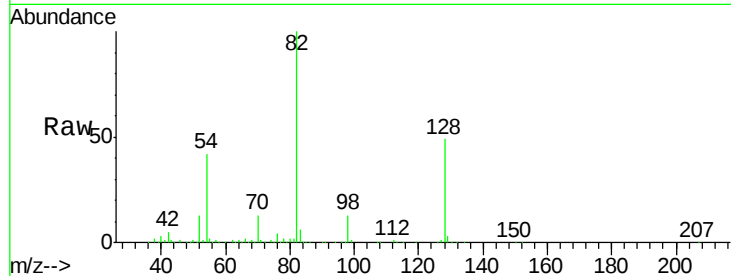
#23
 Nitrobenzene-d5
 Concen: 80.157 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF104197.D
 Acq: 3 Apr 2018 23:16

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-7-EW(1-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.4	36.1	54.1
54	42.0	41.4	62.2

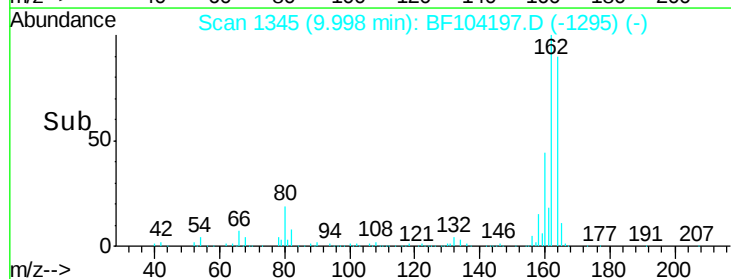
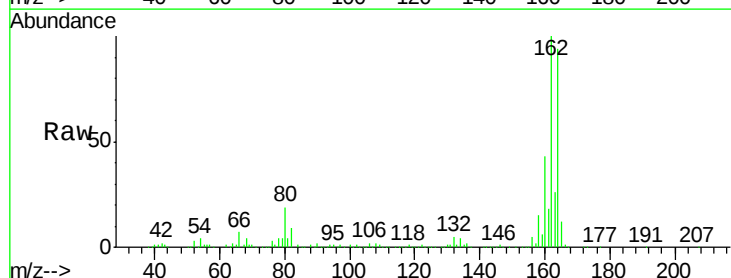
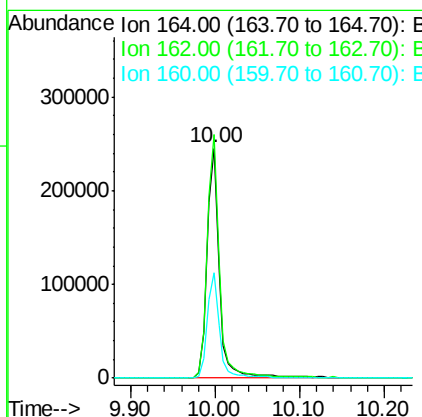
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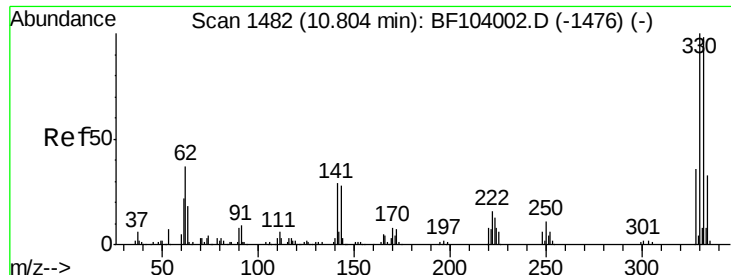
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: BF104197.D
 Acq: 3 Apr 2018 23:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	86.1	129.1
160	46.1	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 103.255 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BF104197.D

Acq: 3 Apr 2018 23:16

Instrument :

BNA_F

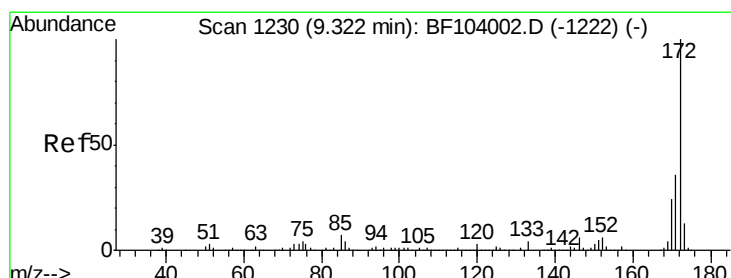
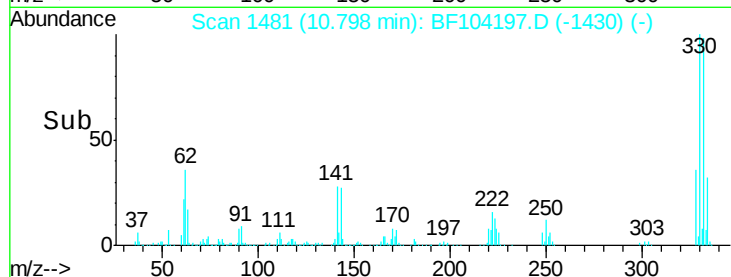
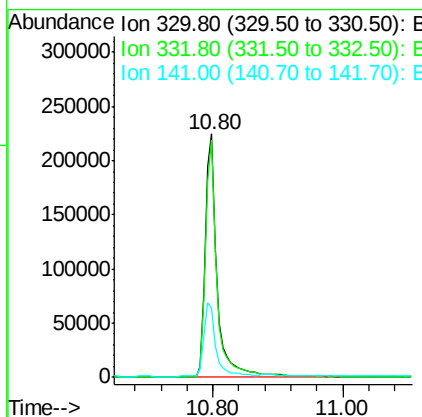
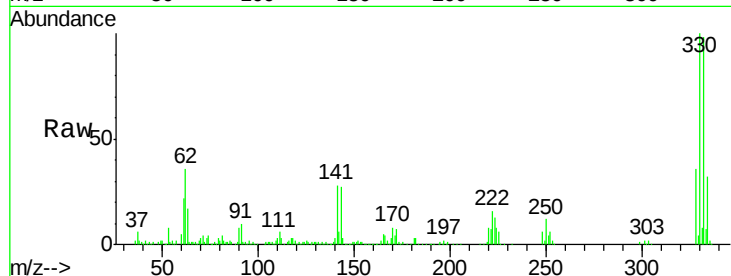
ClientSampleId :

6-WM-DIP-7-EW(1-5)

Tot Ion:	330	Resp:	289107
Ion Ratio	Lower	Upper	
330	100		
332	95.3	77.0	115.6
141	30.7	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 75.495 ng

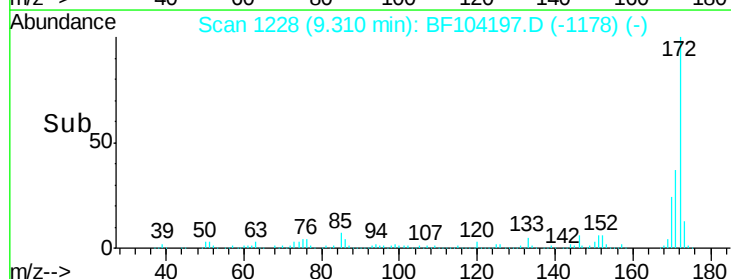
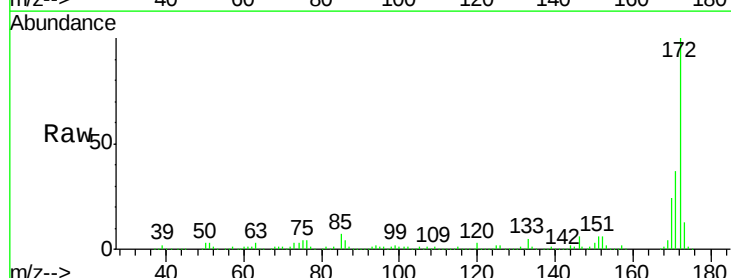
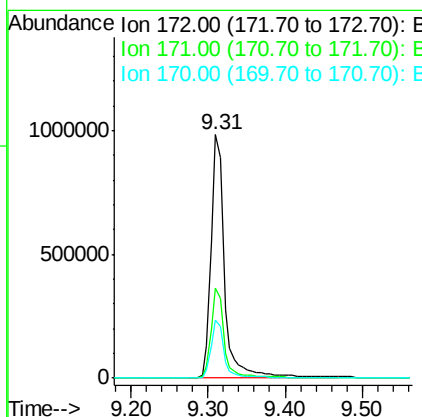
RT: 9.31 min Scan# 1228

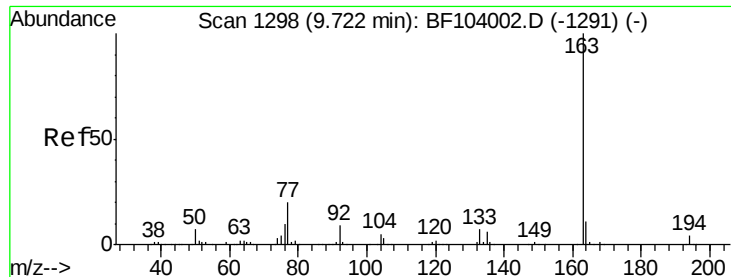
Delta R.T. -0.01 min

Lab File: BF104197.D

Acq: 3 Apr 2018 23:16

Tgt Ion:	172	Resp:	1203837
Ion Ratio	Lower	Upper	
172	100		
171	36.9	29.7	44.5
170	24.1	19.6	29.4





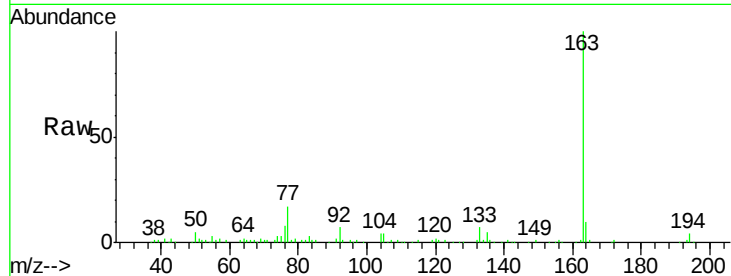
#49
Dimethylphthalate
Concen: 6.060 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104197.D
Acq: 3 Apr 2018 23:16

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-EW(1-5)

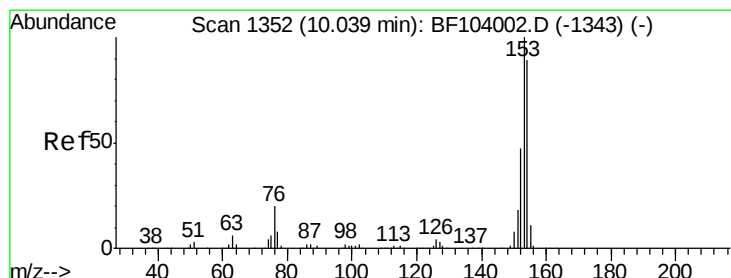
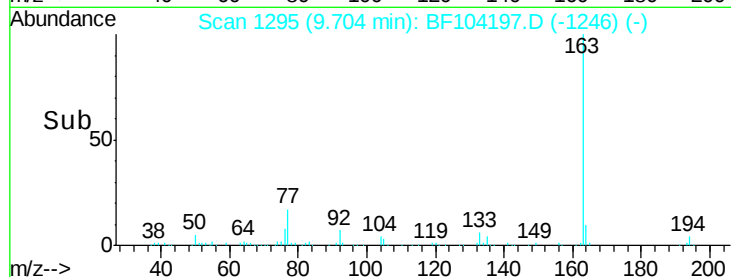
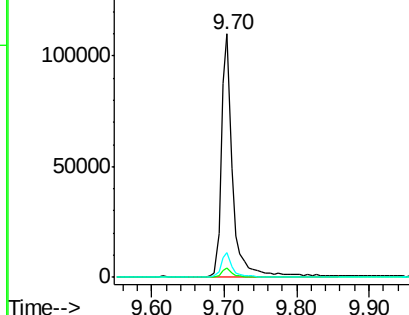
Tot Ion	Ratio	Resp	Lower	Upper
163	100	120309		
194	3.7		2.7	4.1
164	10.1		8.2	12.2

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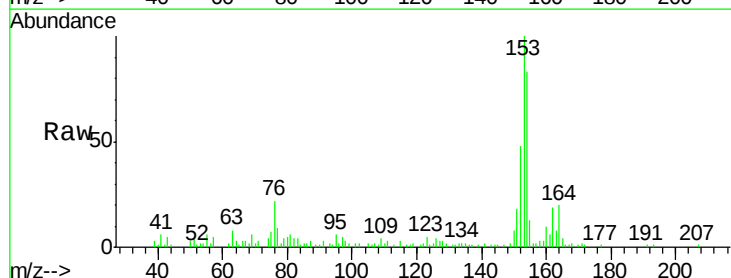


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

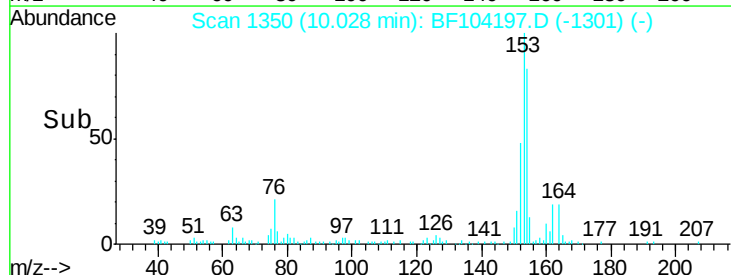
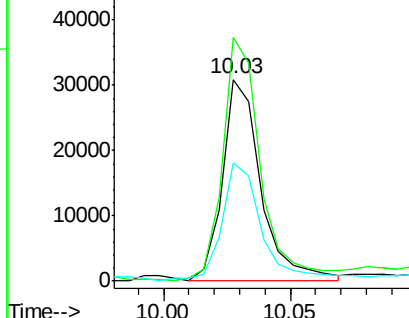


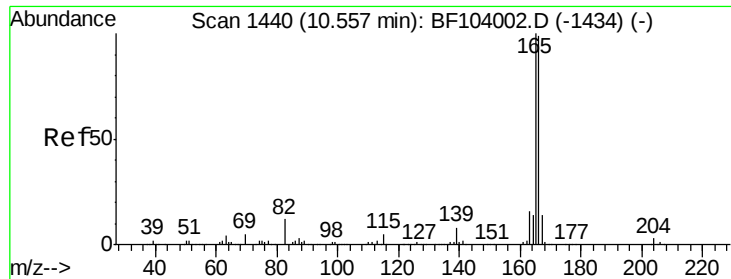
#51
Acenaphthene
Concen: 2.193 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF104197.D
Acq: 3 Apr 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	32721		
153	120.6		91.2	136.8
152	58.4		43.8	65.8



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





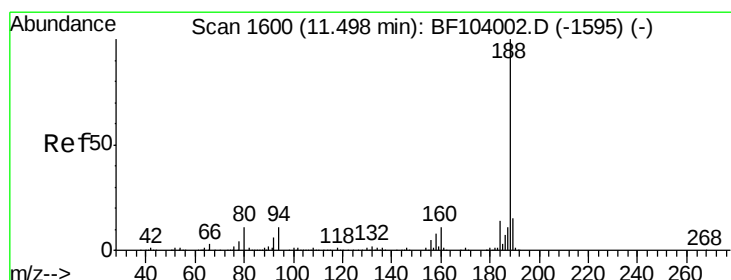
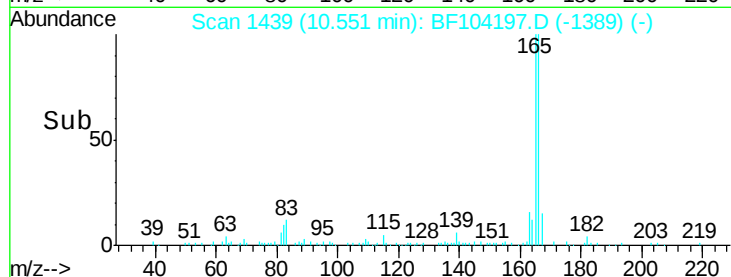
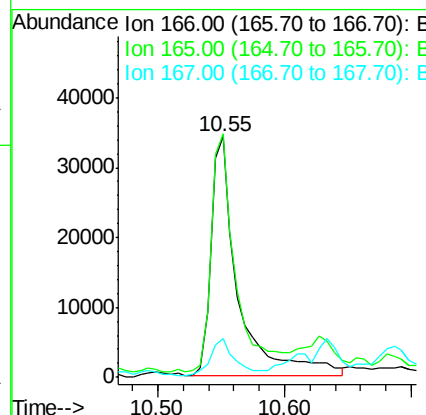
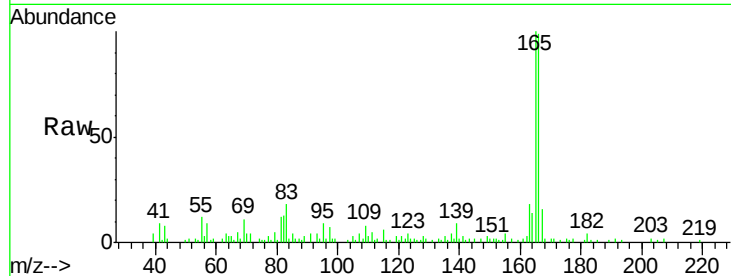
#57
Fluorene
 Concen: 2.827 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF104197.D
 Acq: 3 Apr 2018 23:16

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-7-EW(1-5)

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	101.0	79.8	119.8	
167	15.9	10.6	16.0	

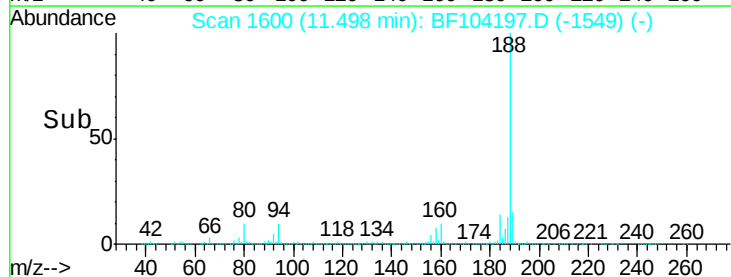
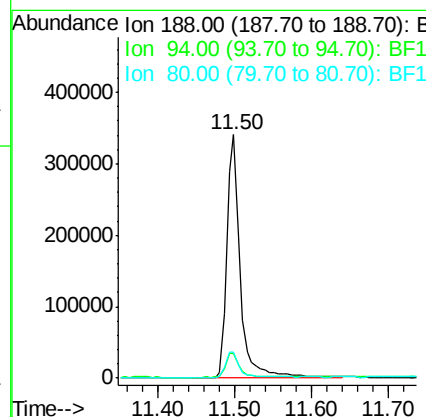
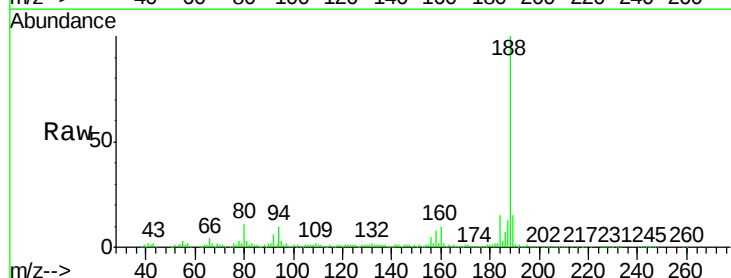
Manual Integrations
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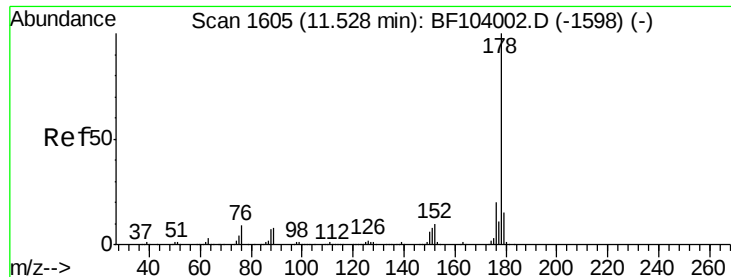
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: BF104197.D
 Acq: 3 Apr 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.1	8.5	12.7	
80	10.5	9.2	13.8	





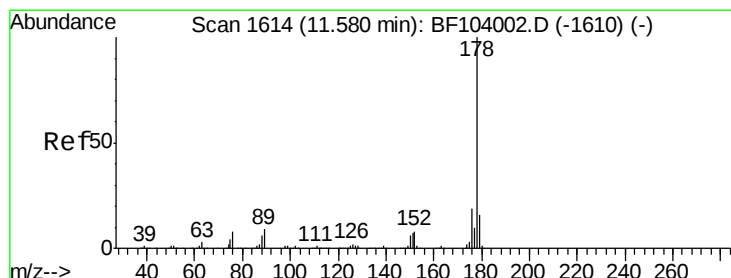
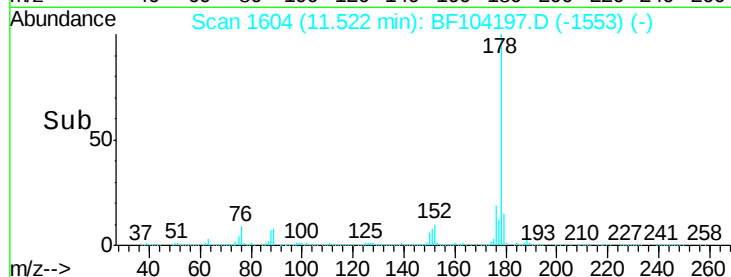
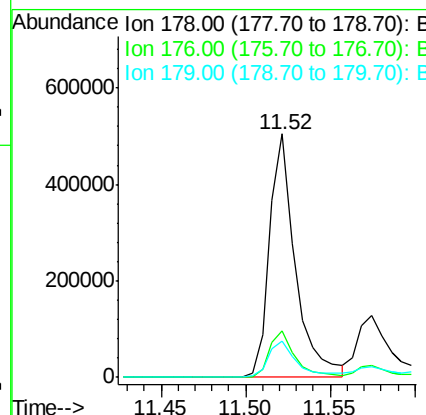
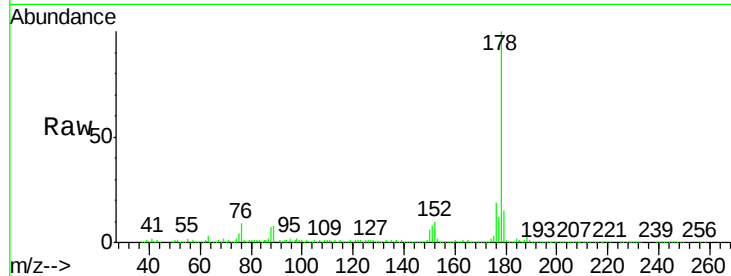
#70
Phenanthrene
Concen: 23.651 ng
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BF104197.D
Acq: 3 Apr 2018 23:16

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-EW(1-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.1	13.0	19.6

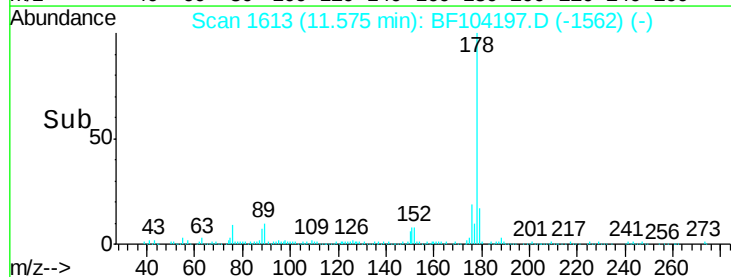
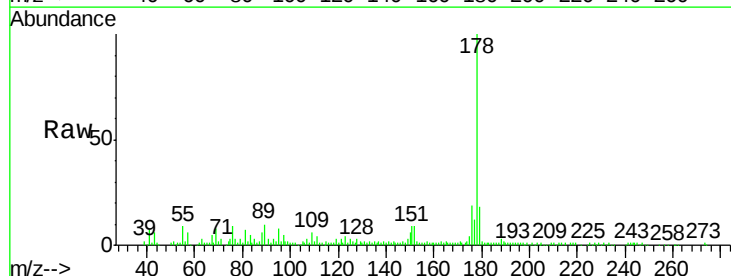
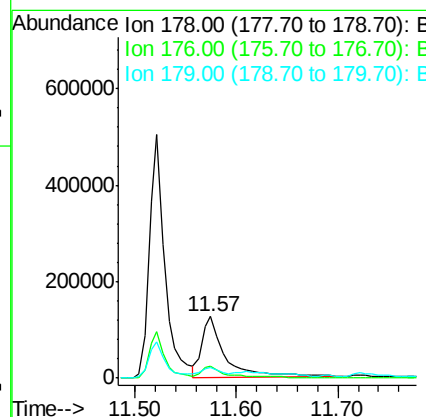
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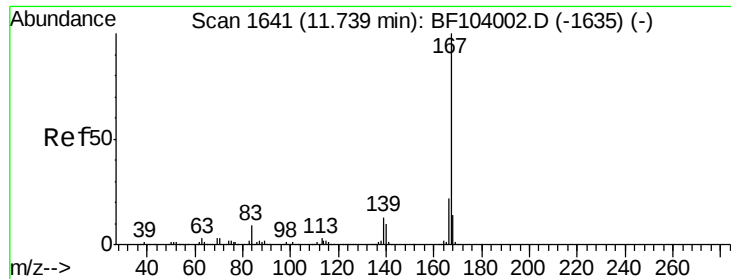
Sohil
4/4/2018 4:10:04 PM



#71
Anthracene
Concen: 8.389 ng
RT: 11.57 min Scan# 1613
Delta R.T. 0.00 min
Lab File: BF104197.D
Acq: 3 Apr 2018 23:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	17.8	12.6	19.0





#72

Carbazole

Concen: 3.139 ng

RT: 11.74 min Scan# 1641

Delta R.T. 0.01 min

Lab File: BF104197.D

Acq: 3 Apr 2018 23:16

Instrument :

BNA_F

ClientSampleId :

6-WM-DIP-7-EW(1-5)

Tot Ion:167 Resp: 70367

Ion Ratio Lower Upper

167 100

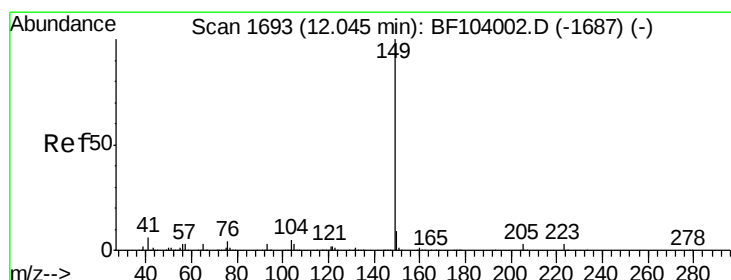
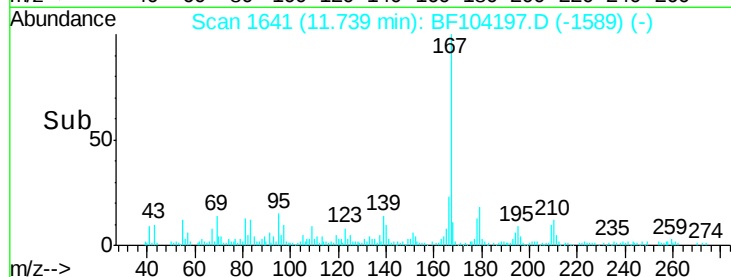
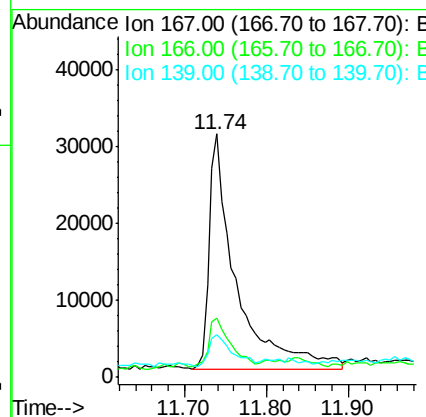
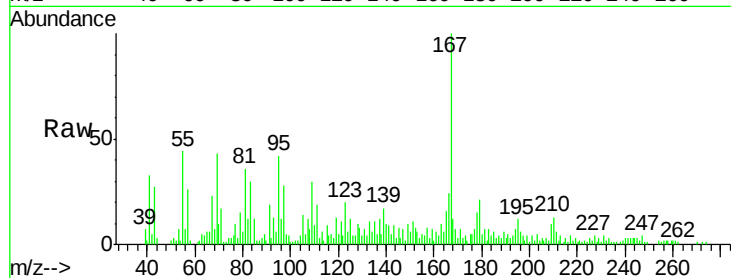
166 24.3 17.6 26.4

139 17.3 10.9 16.3#

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Sohil

4/4/2018 4:10:04 PM



#73

Di-n-butylphthalate

Concen: 2.218 ng

RT: 12.04 min Scan# 1692

Delta R.T. 0.00 min

Lab File: BF104197.D

Acq: 3 Apr 2018 23:16

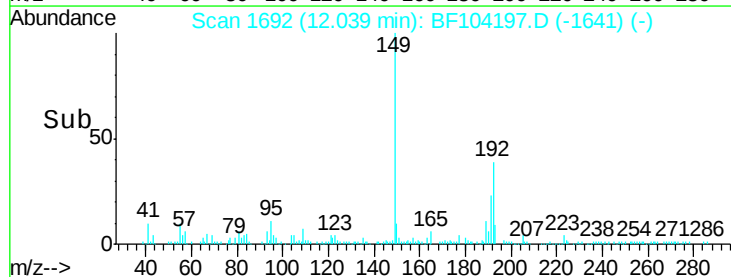
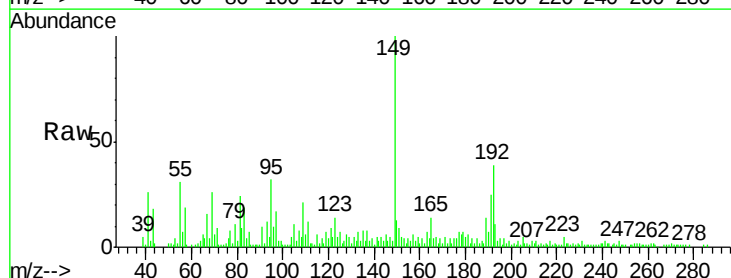
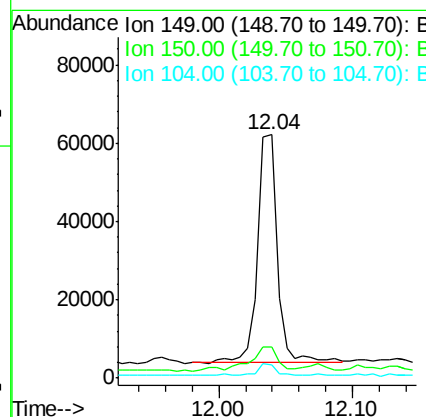
Tgt Ion:149 Resp: 59238

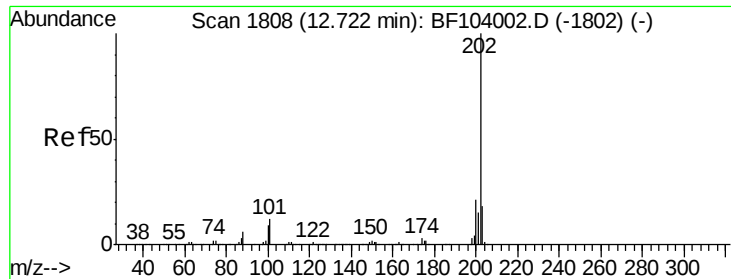
Ion Ratio Lower Upper

149 100

150 12.7 7.8 11.6#

104 5.4 3.8 5.8





#74

Fluoranthene

Concen: 32.635 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF104197.D

Acq: 3 Apr 2018 23:16

Instrument :

BNA_F

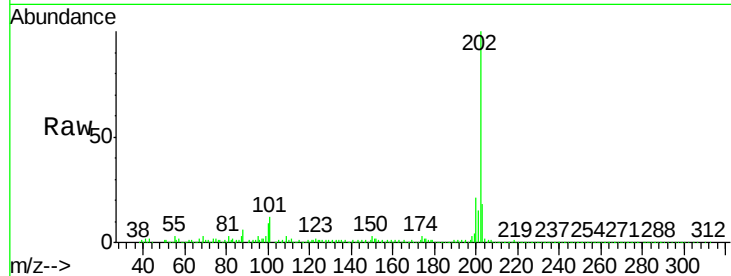
ClientSampleId :

6-WM-DIP-7-EW(1-5)

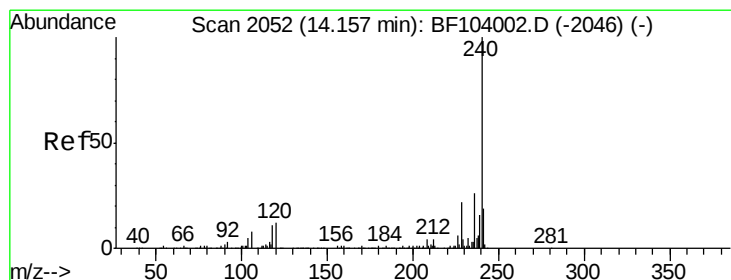
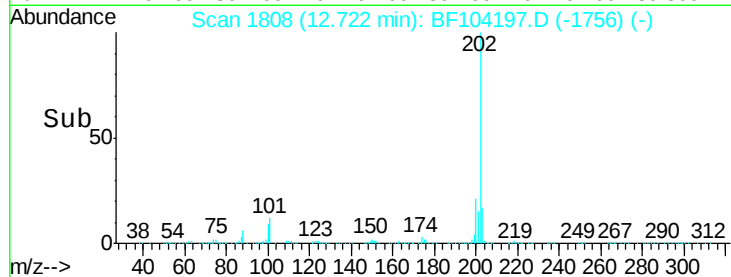
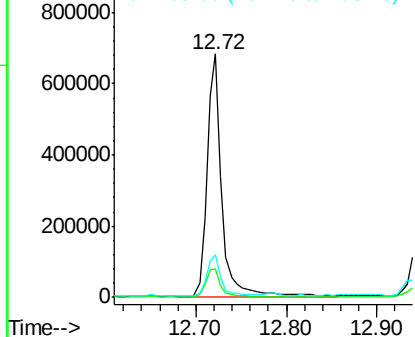
Tot Ion	Ratio	Resp	Lower	Upper
202	100	780063		
101	11.8	0.0	34.1	
203	17.6	0.0	38.1	

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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

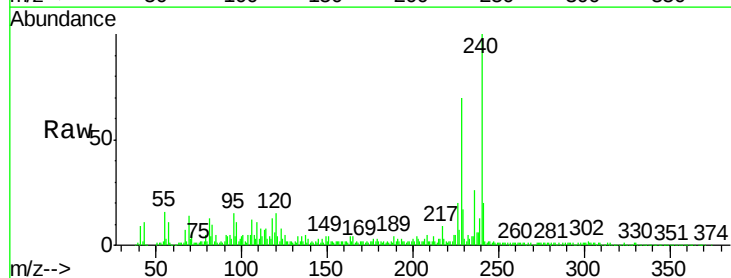
RT: 14.16 min Scan# 2052

Delta R.T. 0.00 min

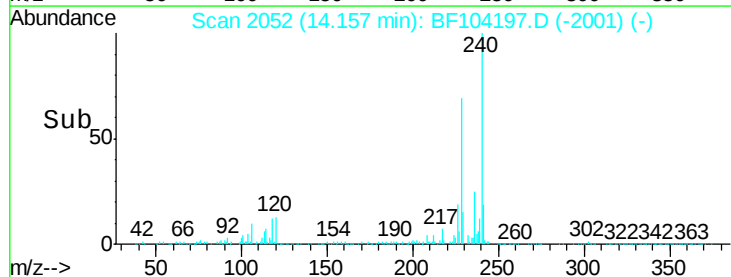
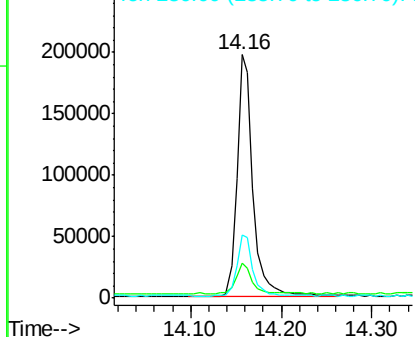
Lab File: BF104197.D

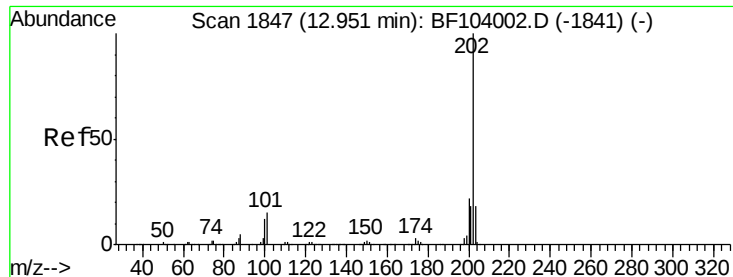
Acq: 3 Apr 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	245928		
120	14.6	9.5	14.3#	
236	26.2	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





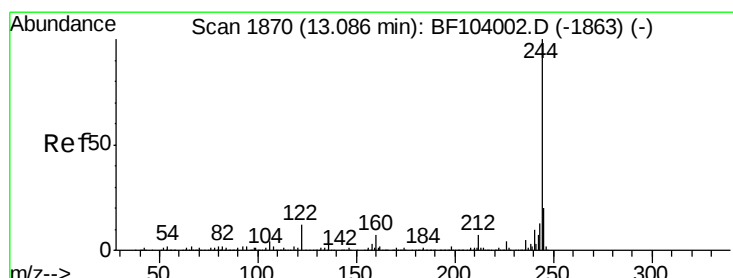
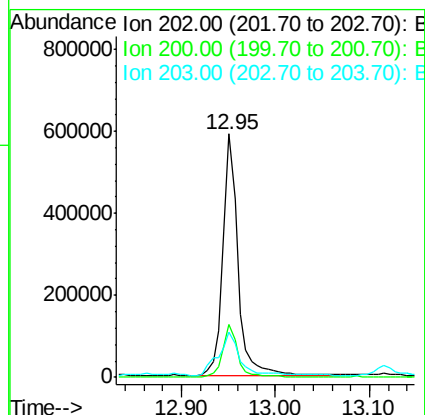
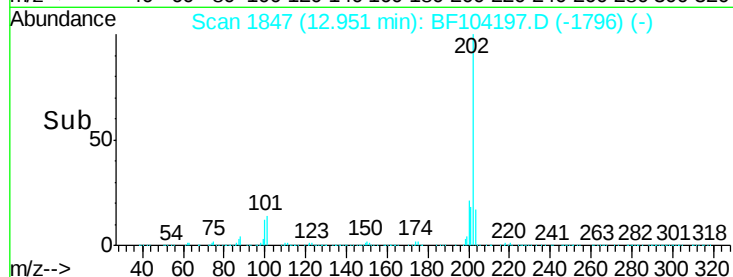
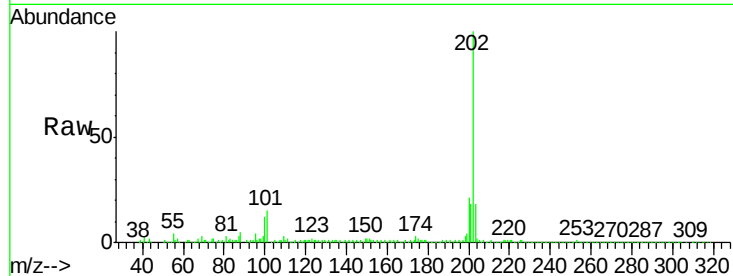
#77
Pvrene
Concen: 38.405 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.00 min
Lab File: BF104197.D
Acq: 3 Apr 2018 23:16

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-EW(1-5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.5	17.4	26.2		
203	18.5	14.3	21.5		

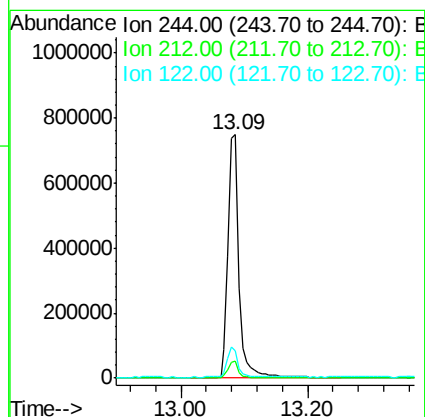
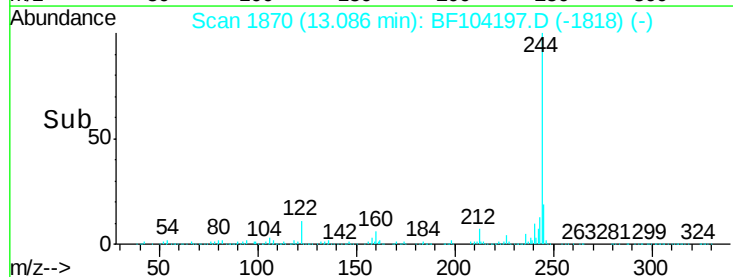
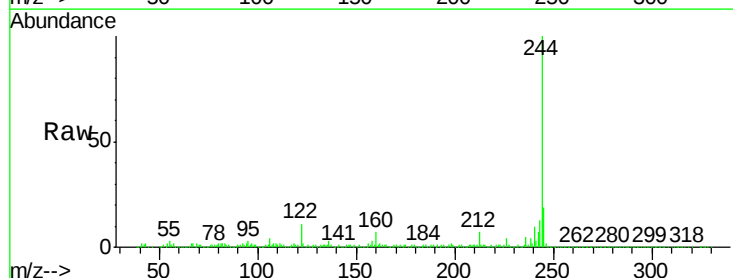
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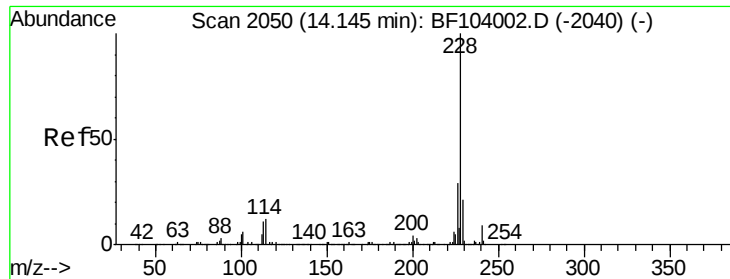
Sohil
4/4/2018 4:10:04 PM



#78
Terphenyl-d14
Concen: 84.496 ng
RT: 13.09 min Scan# 1870
Delta R.T. 0.01 min
Lab File: BF104197.D
Acq: 3 Apr 2018 23:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	6.8	5.4	8.0		
122	11.4	11.0	16.4		





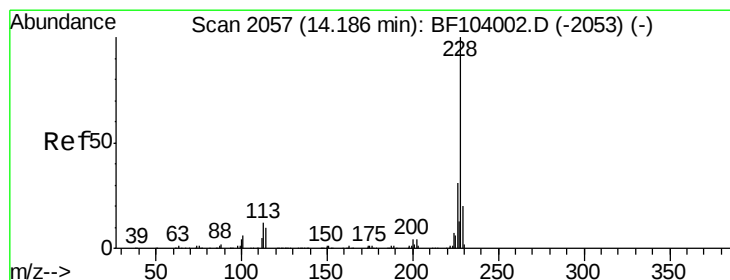
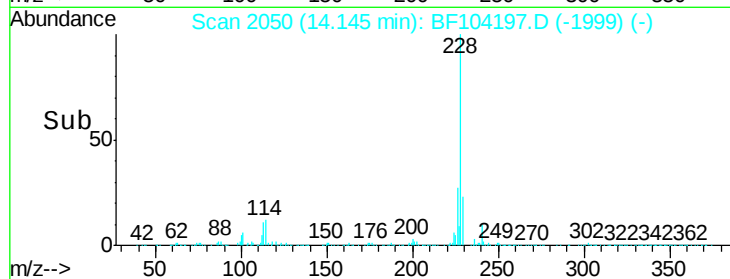
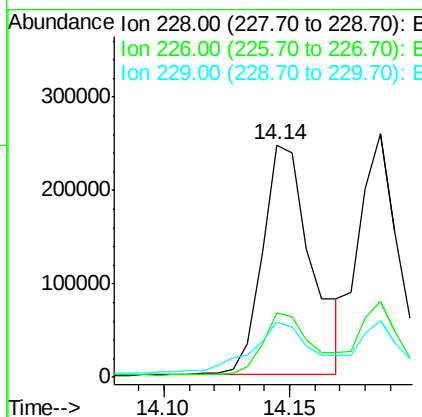
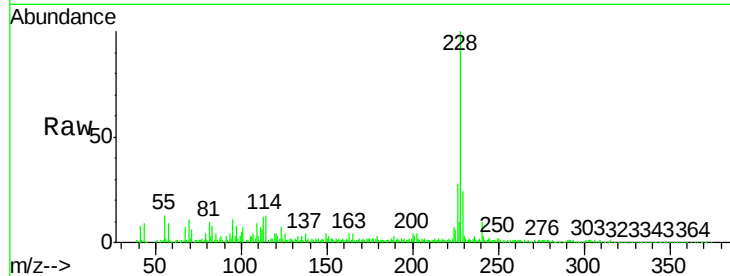
#80
Benzo(a)anthracene
Concen: 21.947 ng m
RT: 14.14 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BF104197.D
Acq: 3 Apr 2018 23:16

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-EW(1-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	24.1	15.8	23.6

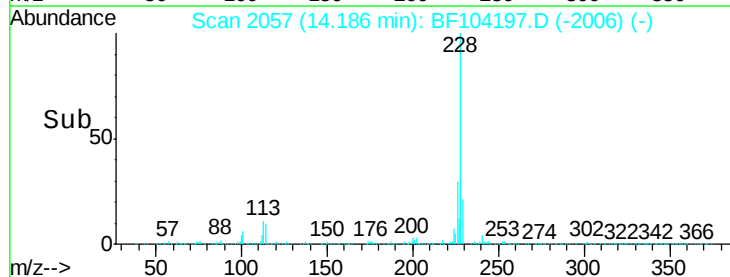
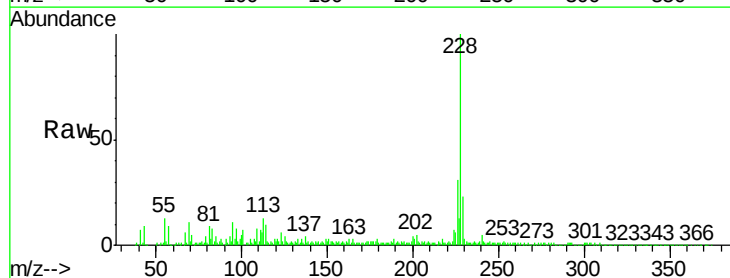
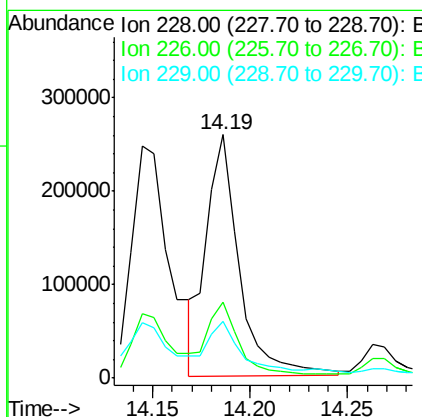
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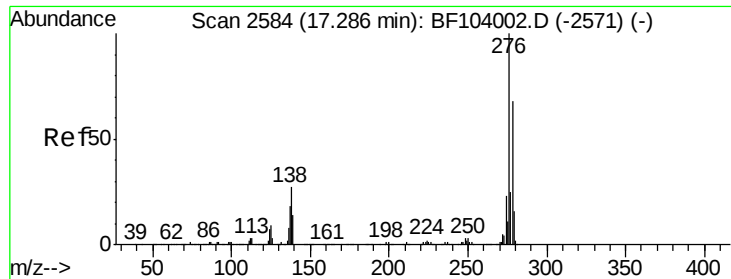
Sohil
4/4/2018 4:10:04 PM



#82
Chrysene
Concen: 20.231 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BF104197.D
Acq: 3 Apr 2018 23:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	23.1	16.2	24.4





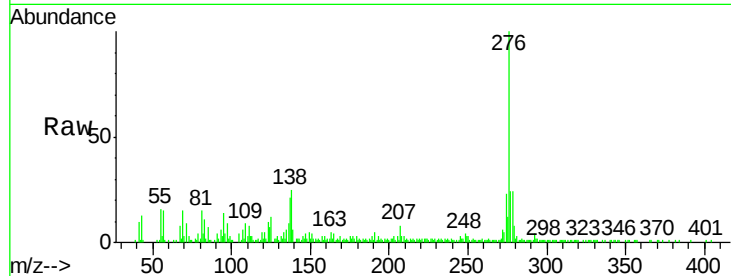
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.277 ng
 RT: 17.31 min Scan# 2588
 Delta R.T. 0.01 min
 Lab File: BF104197.D
 Acq: 3 Apr 2018 23:16

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-7-EW(1-5)

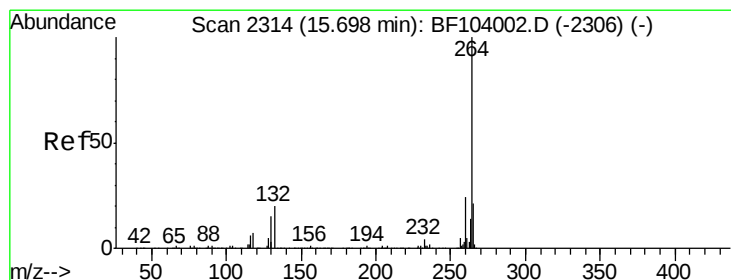
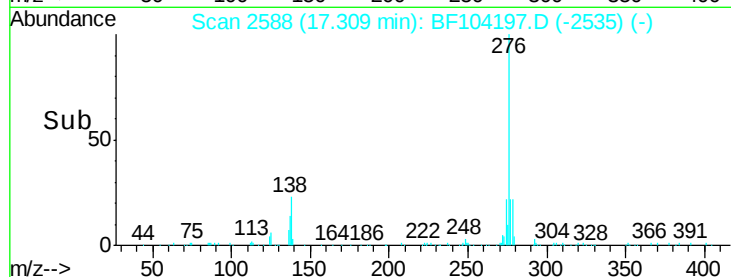
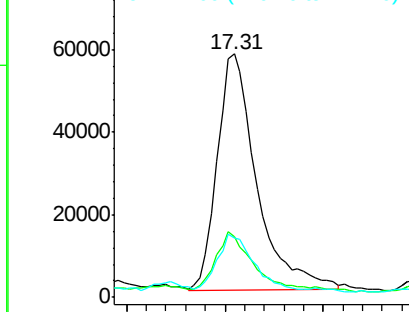
Tot Ion	Ratio	Lower	Upper
276	100		
138	4.6	25.0	37.6#
277	3.6	20.1	30.1#

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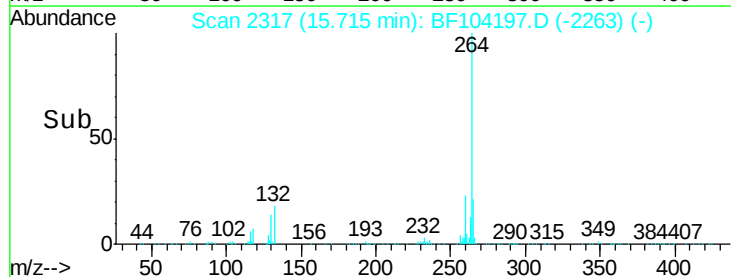
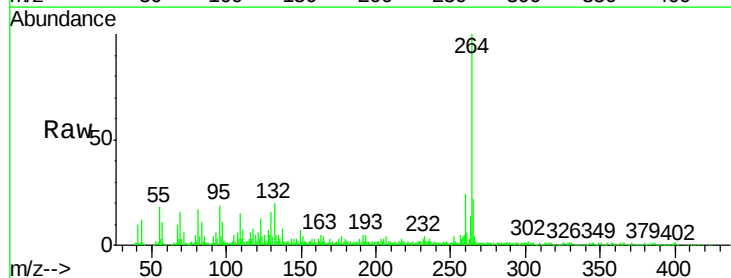
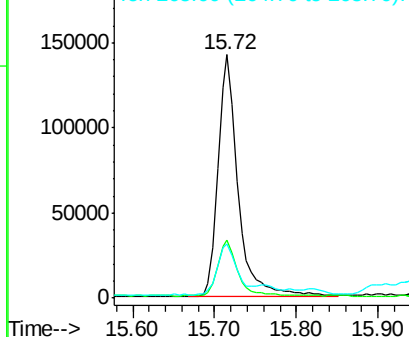
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

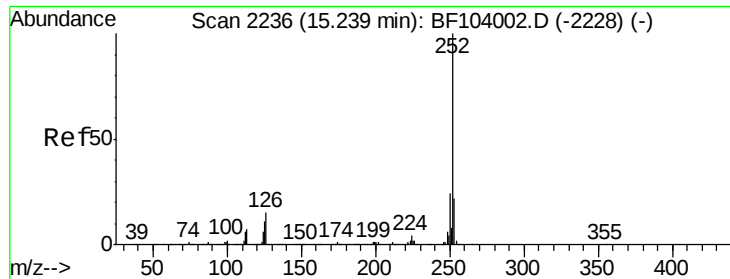


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.72 min Scan# 2317
 Delta R.T. 0.02 min
 Lab File: BF104197.D
 Acq: 3 Apr 2018 23:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.0	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: 23.374 ng m

RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF104197.D

Acq: 3 Apr 2018 23:16

Instrument :

BNA_F

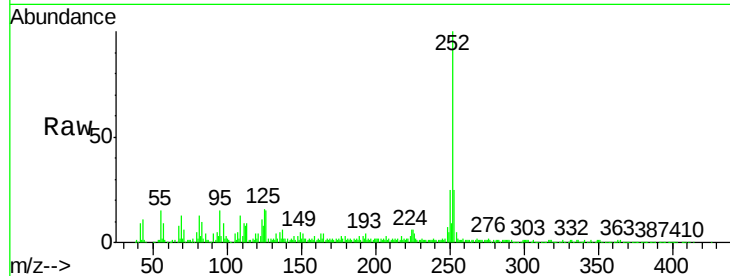
ClientSampleId :

6-WM-DIP-7-EW(1-5)

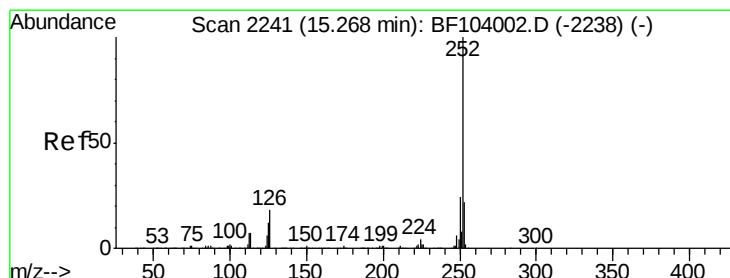
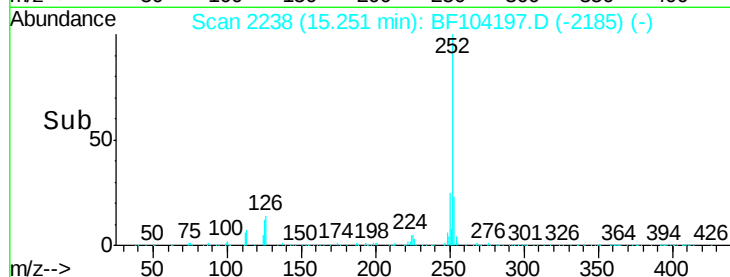
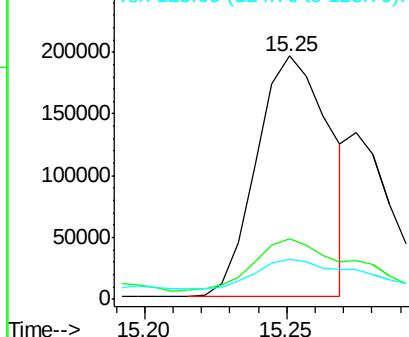
Tot Ion:	252	Resp:	344933
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.0	25.6
125	16.5	9.0	13.6#

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



#88

Benzo(k)fluoranthene

Concen: 11.195 ng m

RT: 15.27 min Scan# 2242

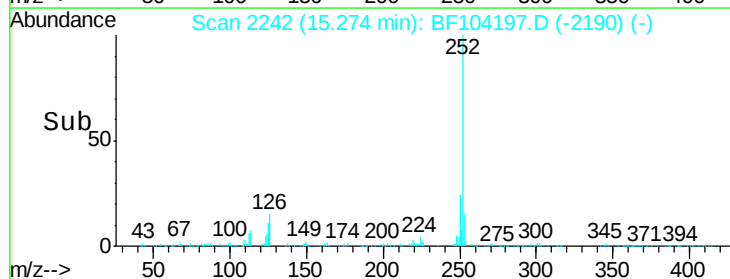
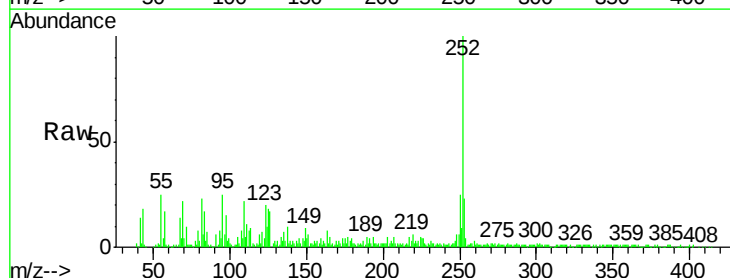
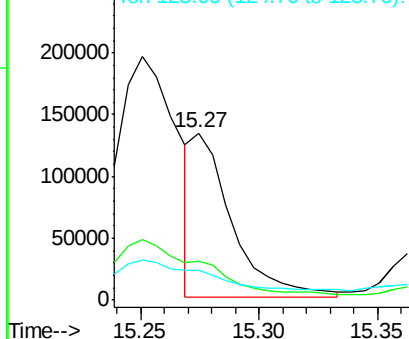
Delta R.T. 0.01 min

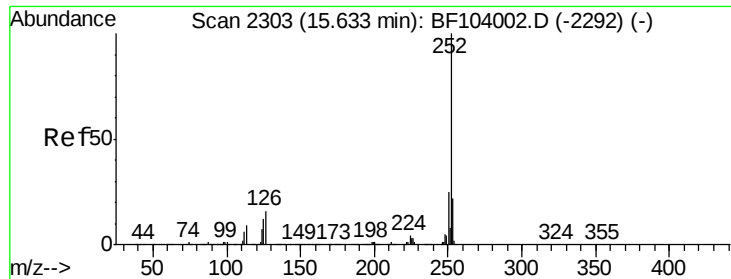
Lab File: BF104197.D

Acq: 3 Apr 2018 23:16

Tgt Ion:	252	Resp:	155622
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.9	26.9
125	17.5	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





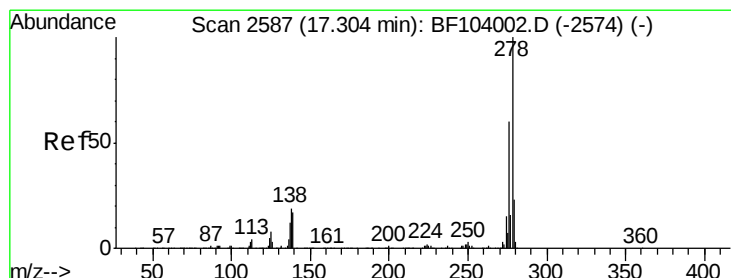
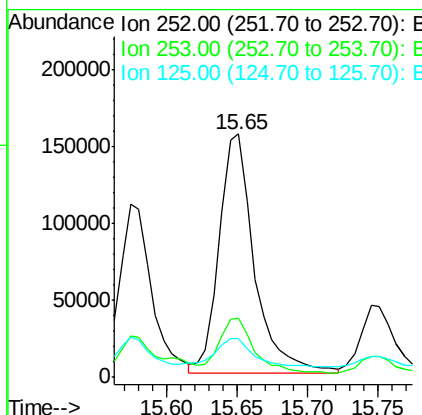
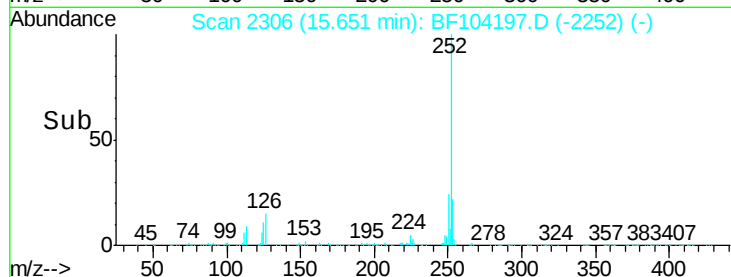
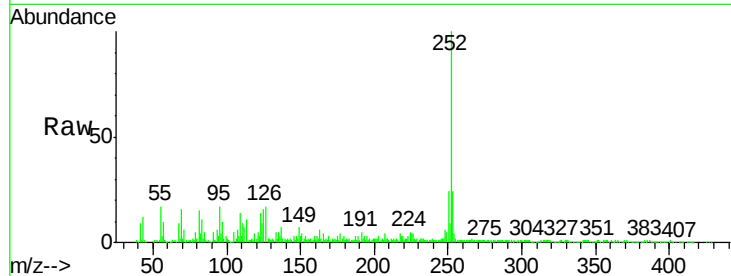
#89
Benzo(a)pyrene
Concen: 19.988 ng
RT: 15.65 min Scan# 2306
Delta R.T. 0.02 min
Lab File: BF104197.D
Acq: 3 Apr 2018 23:16

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-EW(1-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	16.1	9.8	14.6

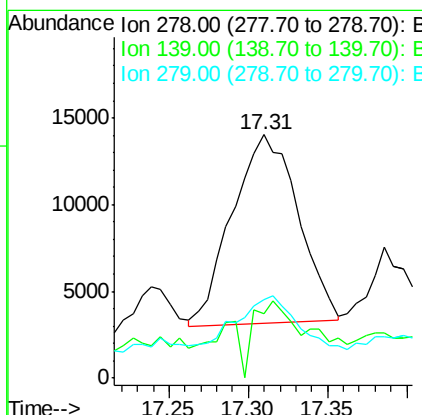
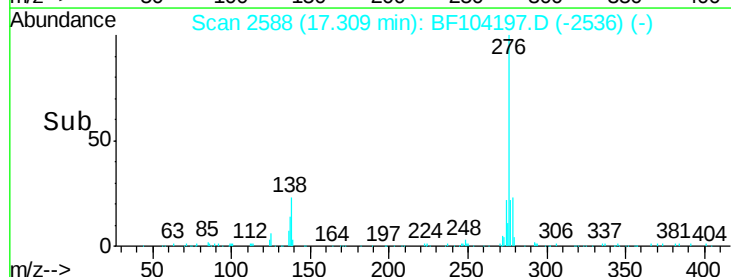
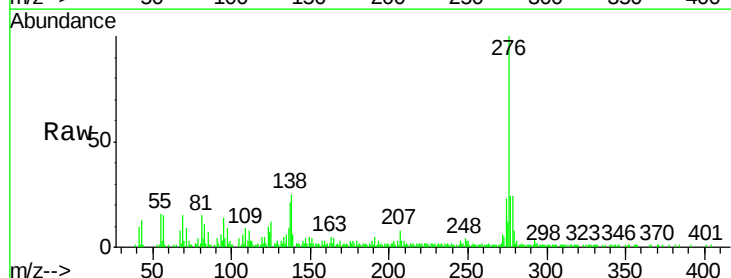
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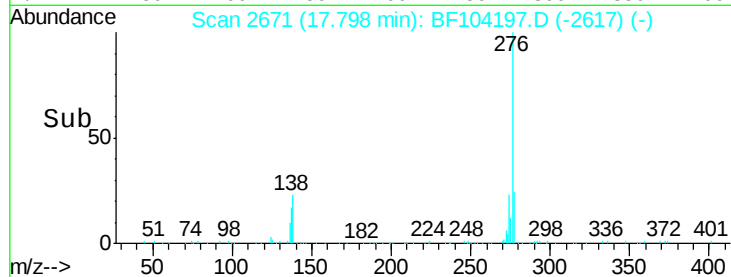
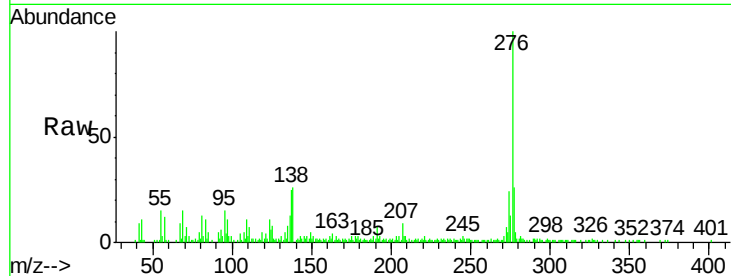
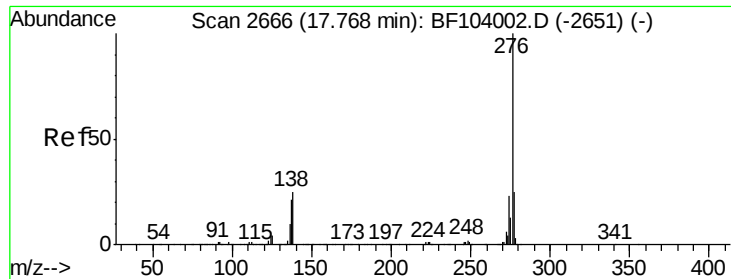
Sohil
4/4/2018 4:10:04 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.483 ng
RT: 17.31 min Scan# 2588
Delta R.T. 0.01 min
Lab File: BF104197.D
Acq: 3 Apr 2018 23:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.7	15.9	23.9
279	32.1	19.0	28.4





#91
Benzo(a,h,i)perylene
Concen: 12.005 ng
RT: 17.80 min Scan# 2671
Delta R.T. 0.02 min
Lab File: BF104197.D
Acq: 3 Apr 2018 23:16

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-EW(1-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	17.9	26.9
138	25.8	21.8	32.8

Manual Integrations
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Sohil
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