

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122017\
 Data File : BF101584.D
 Acq On : 20 Dec 2017 22:41
 Operator : SJ/JU
 Sample : I6981-10
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PHMHB-WCD

Manual Integrations
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Quant Time: Dec 21 05:15:53 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	171860	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	661478	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	280255	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	465960	20.00	ng	0.00
75) Chrysene-d12	13.97	240	295552	20.00	ng	0.00
86) Perylene-d12	15.43	264	300843	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1277252	110.70	ng	0.02
7) Phenol-d6	6.45	99	1570341	109.36	ng	0.00
23) Nitrobenzene-d5	7.37	82	970705	81.69	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	294511	109.06	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1324694	73.32	ng	0.00
78) Terphenyl-d14	12.90	244	978070	79.78	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.45	94	76336	4.664	ng	86
20) 3+4-Methylphenols	7.22	107	104948	8.871	ng	86
31) Naphthalene	8.10	128	247988	7.447	ng	100
49) Dimethylphthalate	9.55	163	93951	4.168	ng	100
51) Acenaphthene	9.86	154	70255	3.893	ng	99
57) Fluorene	10.38	166	46306	2.387	ng	98
70) Phenanthrene	11.35	178	315788	12.187	ng	99
71) Anthracene	11.40	178	68671	2.594	ng	98
74) Fluoranthene	12.54	202	336914	12.387	ng	100
77) Pyrene	12.77	202	358969	16.184	ng	99
80) Benzo(a)anthracene	13.96	228	123740	6.341	ng	98
82) Chrysene	14.00	228	126986	6.892	ng	97
85) Indeno(1,2,3-cd)pyrene	16.92	276	56349m	3.434	ng	
87) Benzo(b)fluoranthene	15.02	252	128928m	7.031	ng	
88) Benzo(k)fluoranthene	15.04	252	46692m	2.619	ng	
89) Benzo(a)pyrene	15.37	252	109964	6.505	ng	96
91) Benzo(g,h,i)perylene	17.36	276	60893	4.237	ng	98

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

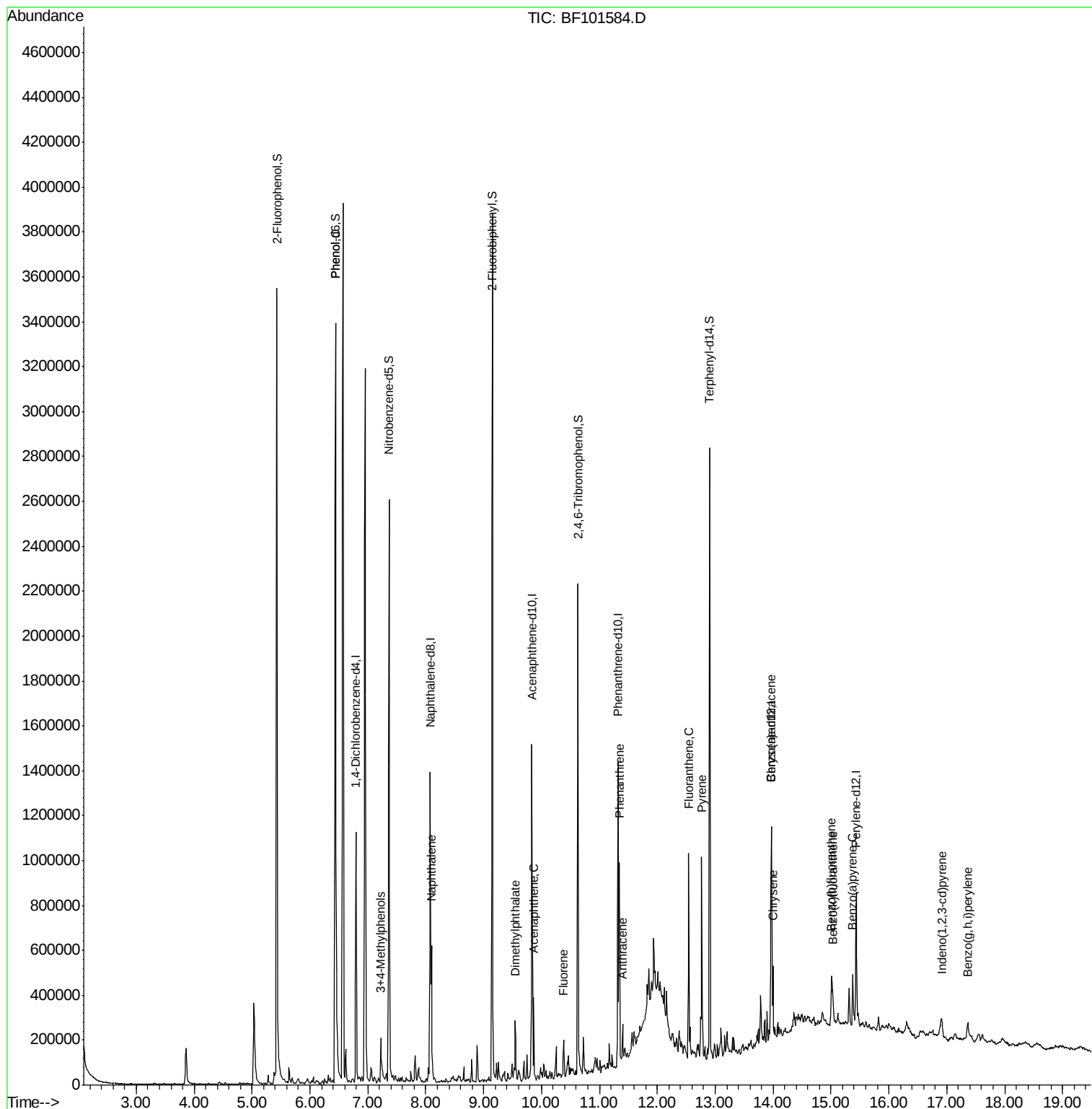
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122017\
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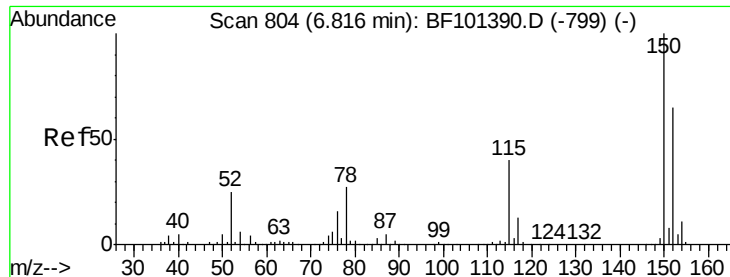
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

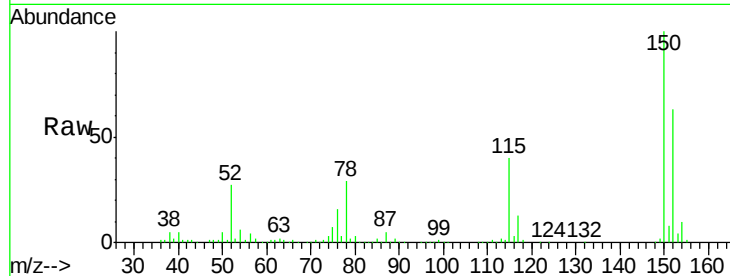
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF101584.D
Acq: 20 Dec 2017 22:41

Instrument :
BNA_F
ClientSampleId :
PHMHB-WCD

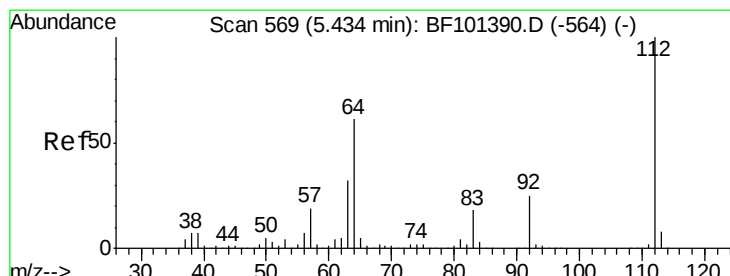
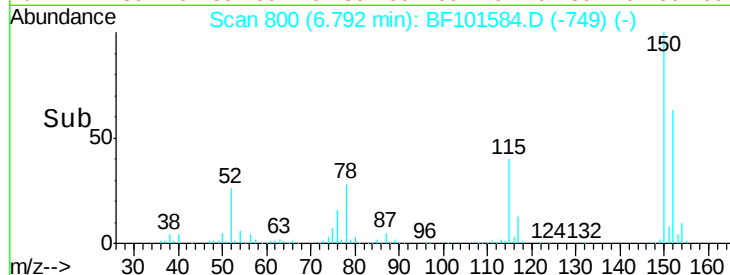
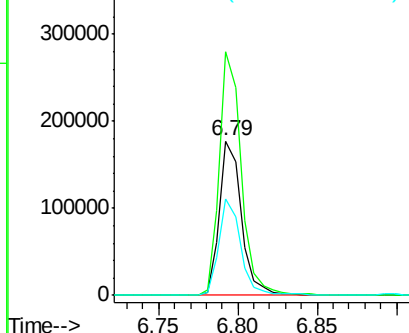
Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	63.0	50.1	75.1

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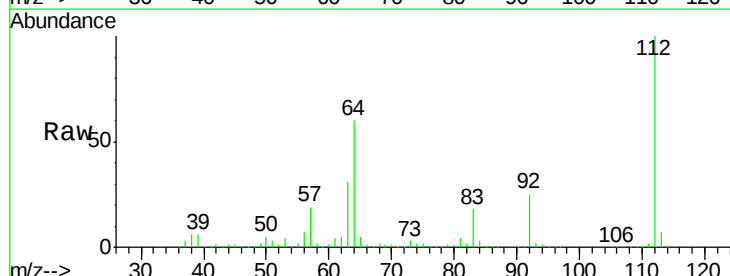
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



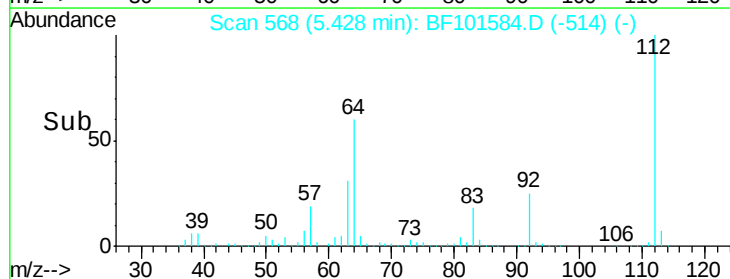
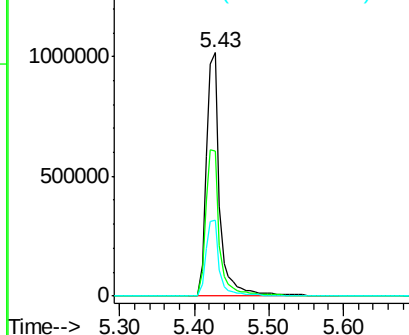
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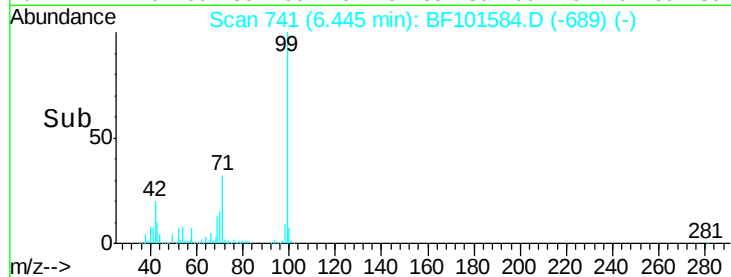
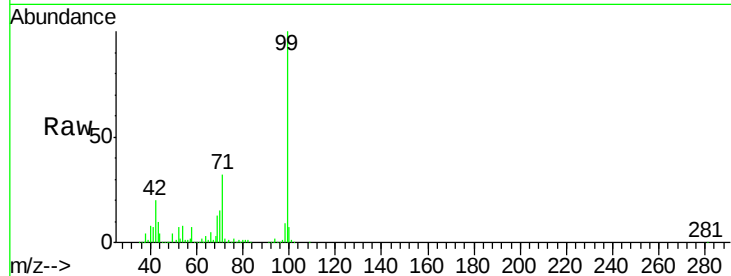
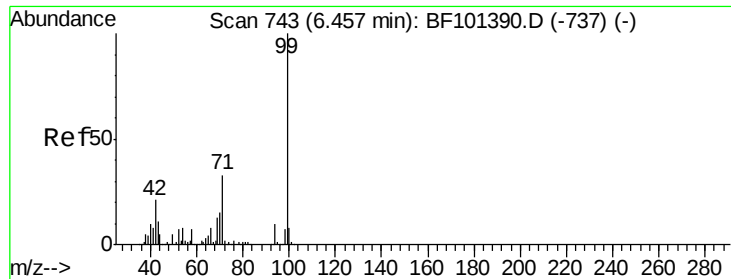
2-Fluorophenol
Concen: 110.704 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF101584.D
Acq: 20 Dec 2017 22:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.9	71.9
63	31.3	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: 109.364 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF101584.D

Acq: 20 Dec 2017 22:41

Tgt Ion: 99 Resp: 1570341

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 32.2 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

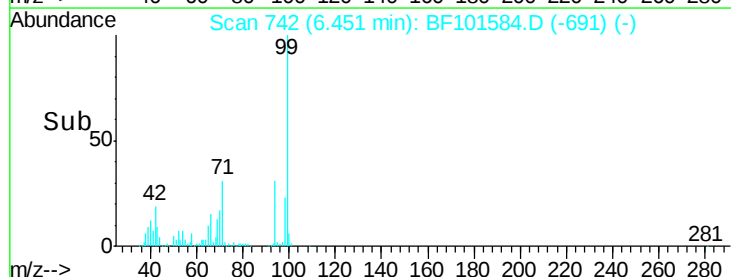
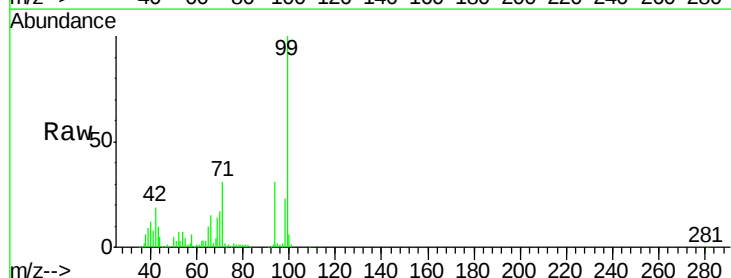
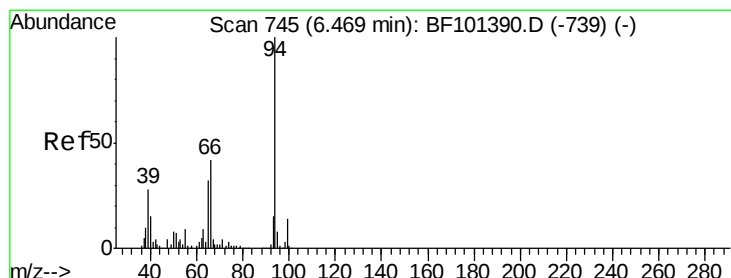
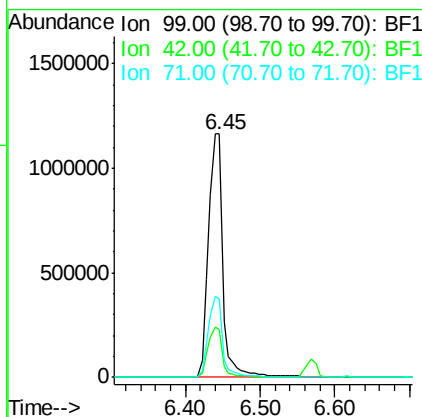
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#10

Phenol

Concen: 4.664 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF101584.D

Acq: 20 Dec 2017 22:41

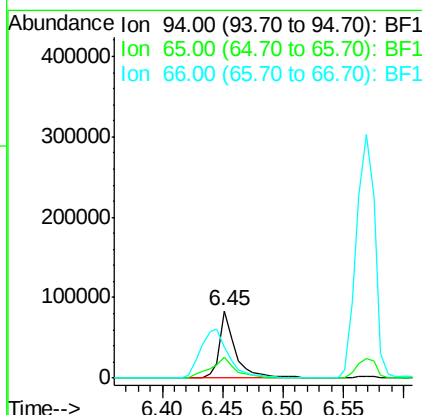
Tgt Ion: 94 Resp: 76336

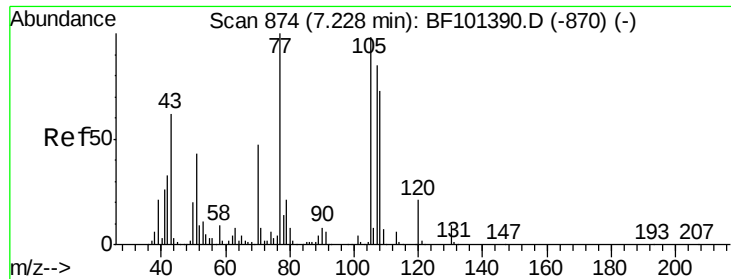
Ion Ratio Lower Upper

94 100

65 31.7 7.9 47.9

66 47.3 16.2 56.2





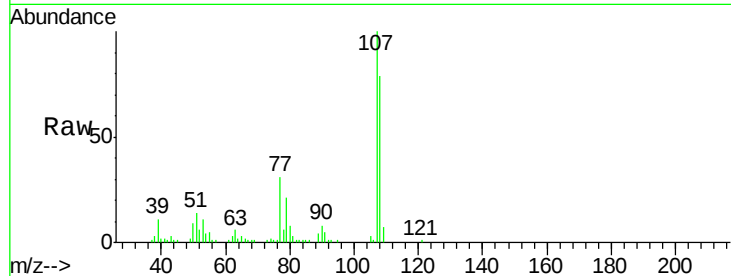
#20
3+4-Methylphenols
Concen: 8.871 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.01 min
Lab File: BF101584.D
Acq: 20 Dec 2017 22:41

Instrument :
BNA_F
ClientSampleId :
PHMHB-WCD

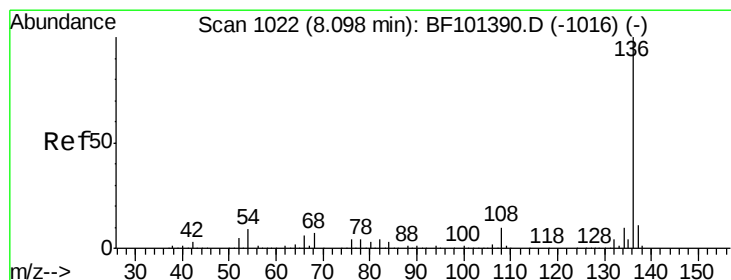
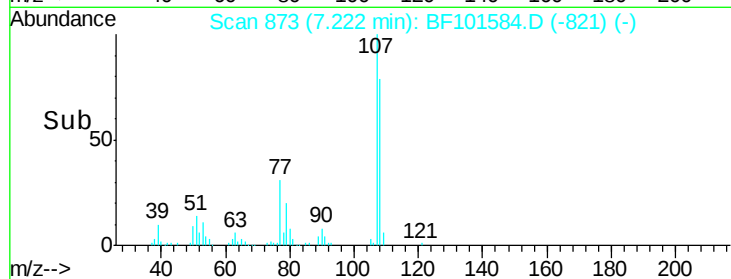
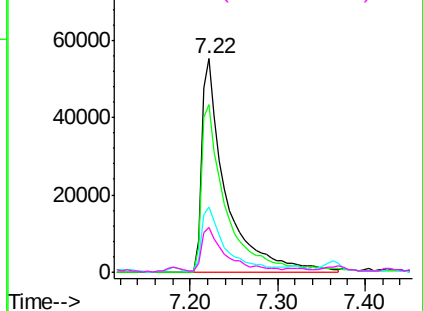
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	104948		
108	78.8	68.2	108.2	
77	30.6	26.7	66.7	
79	21.1	6.3	46.3	

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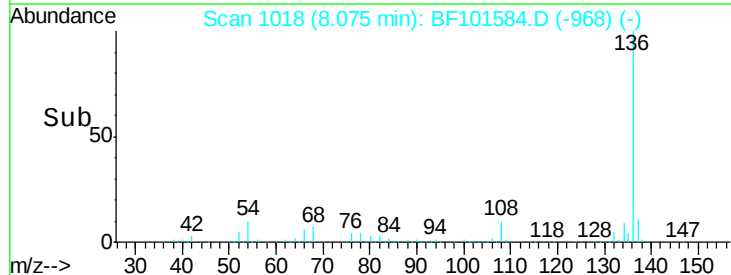
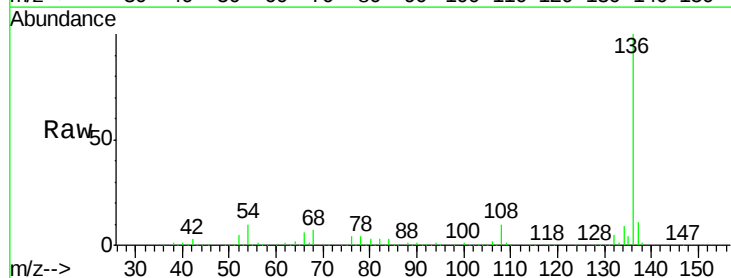
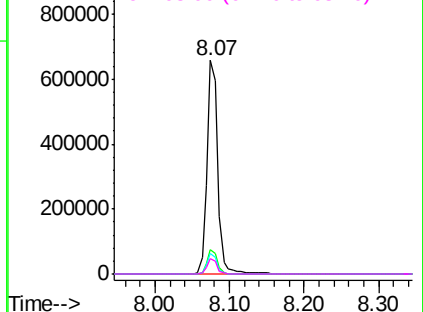
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

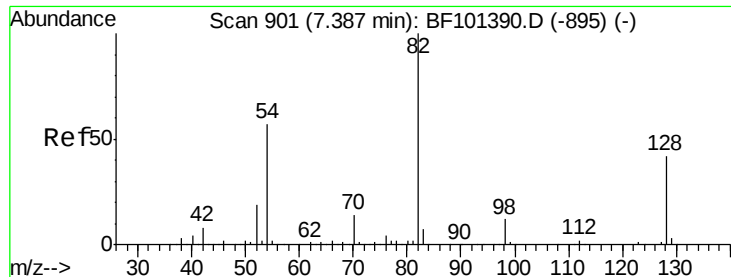


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF101584.D
Acq: 20 Dec 2017 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	661478		
137	11.2	8.9	13.3	
54	9.9	6.6	9.8	
68	7.0	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





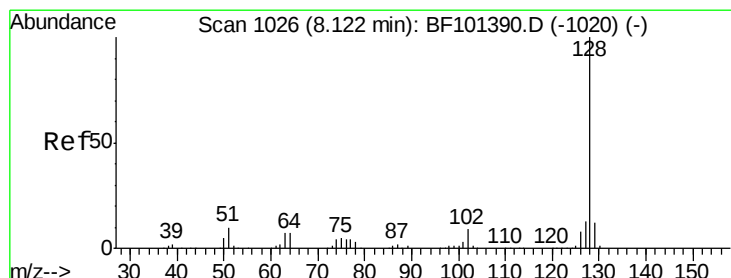
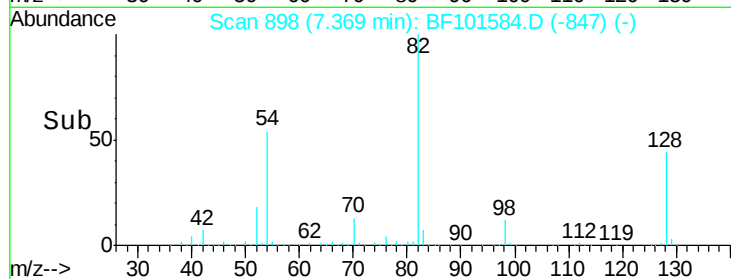
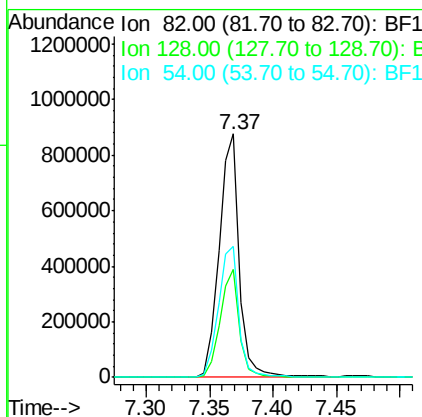
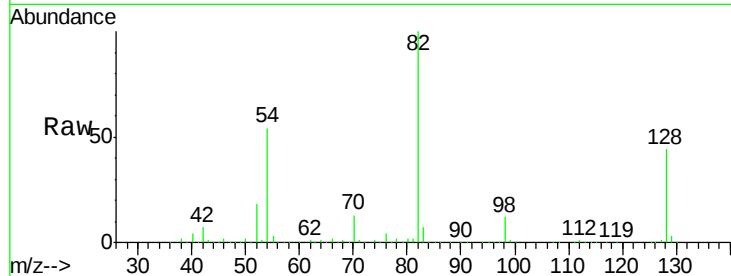
#23
Nitrobenzene-d5
Concen: 81.688 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF101584.D
Acq: 20 Dec 2017 22:41

Instrument :
BNA_F
ClientSampled :
PHMHB-WCD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	970705		
128	44.3	36.1	54.1	
54	53.8	41.4	62.2	

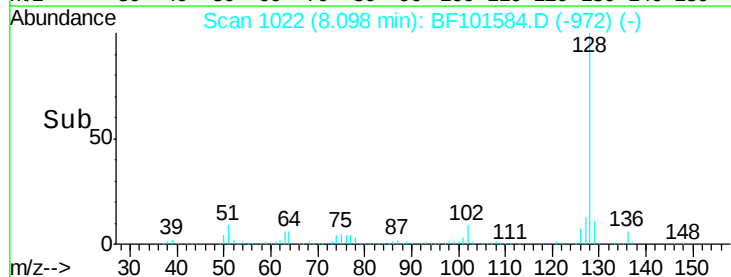
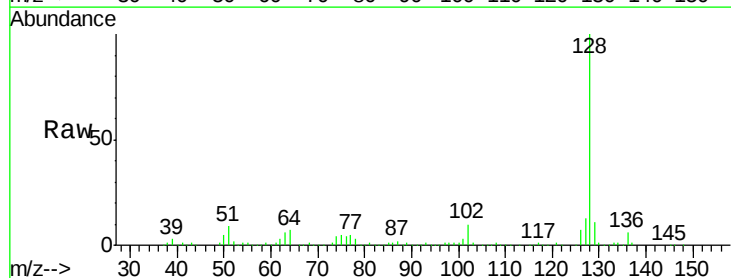
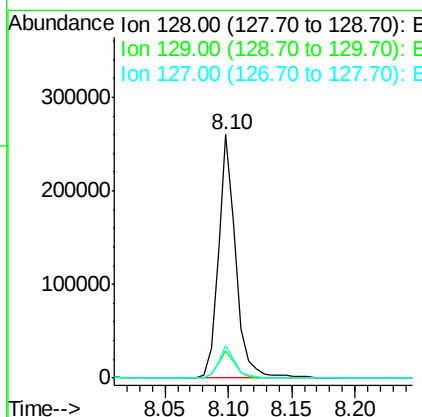
Manual Integrations
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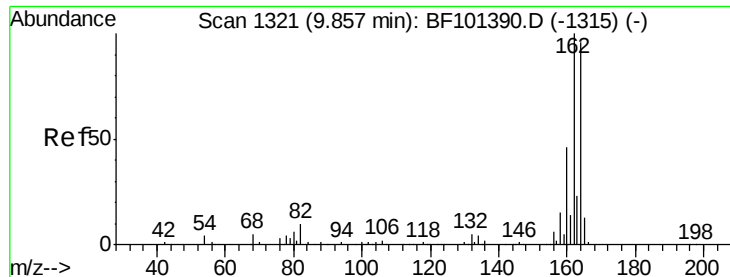
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#31
Naphthalene
Concen: 7.447 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF101584.D
Acq: 20 Dec 2017 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	247988		
129	11.1	8.8	13.2	
127	13.5	10.9	16.3	





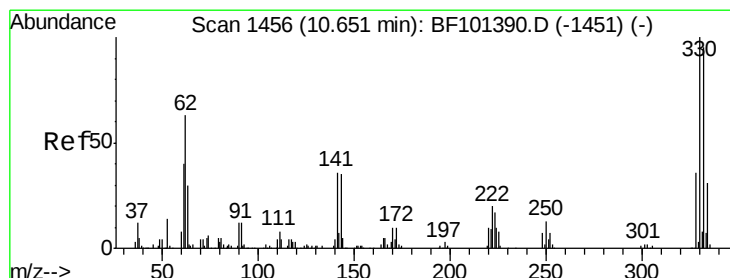
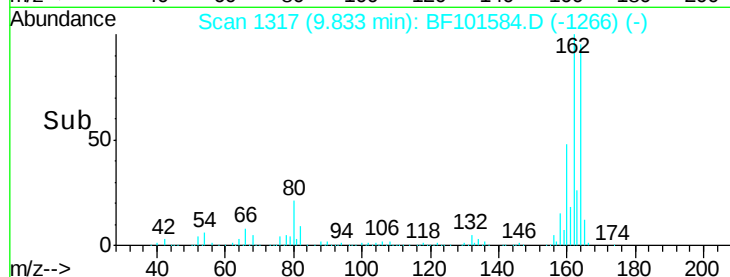
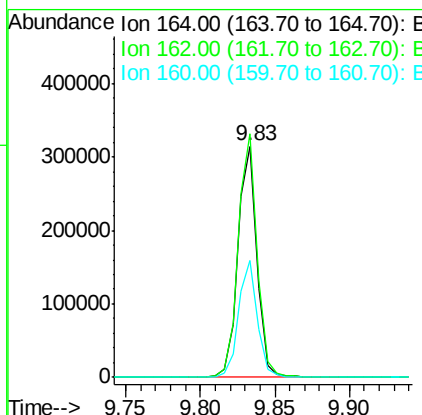
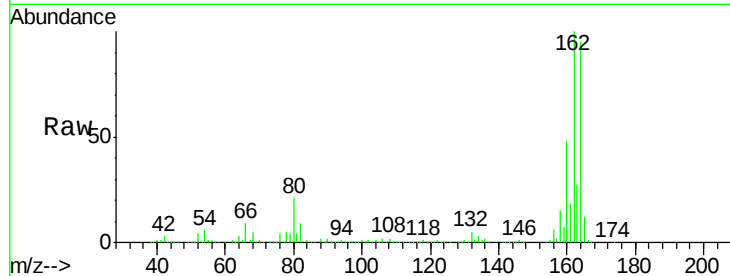
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BF101584.D
 Acq: 20 Dec 2017 22:41

Instrument :
 BNA_F
 ClientSampleId :
 PHMHB-WCD

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	280255		
162	105.5	86.1	129.1	
160	50.5	38.3	57.5	

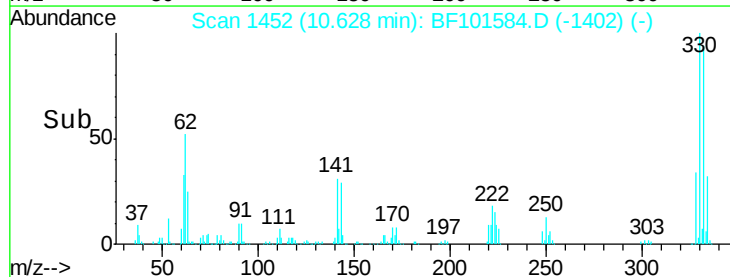
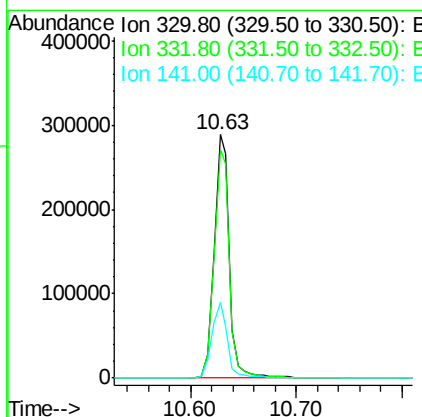
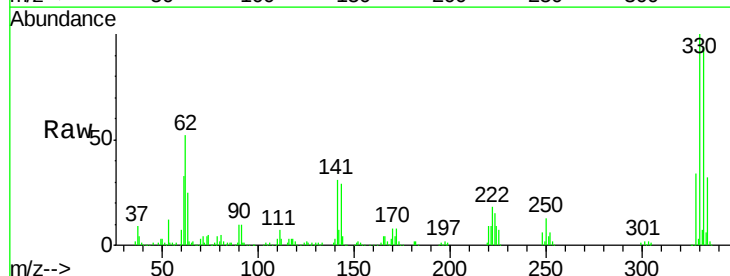
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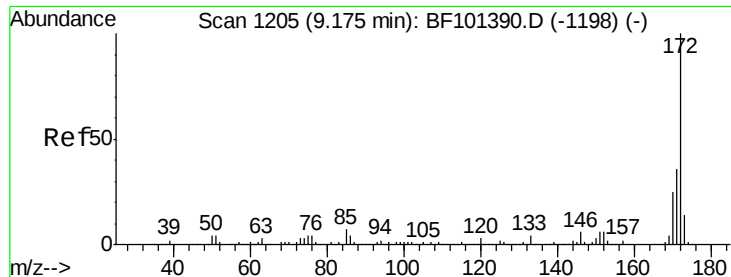
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#41
 2,4,6-Tribromophenol
 Concen: 109.059 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF101584.D
 Acq: 20 Dec 2017 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	294511		
332	95.1	77.0	115.6	
141	31.9	29.9	44.9	





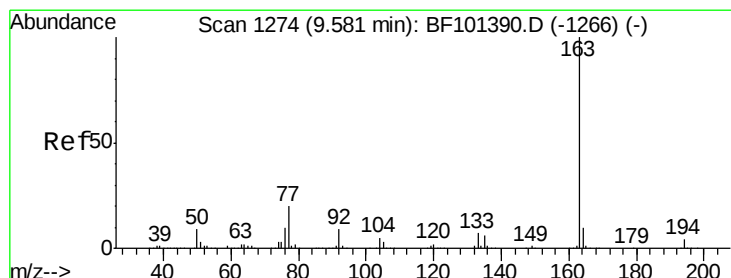
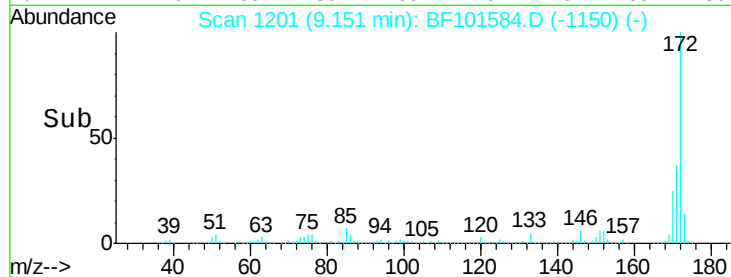
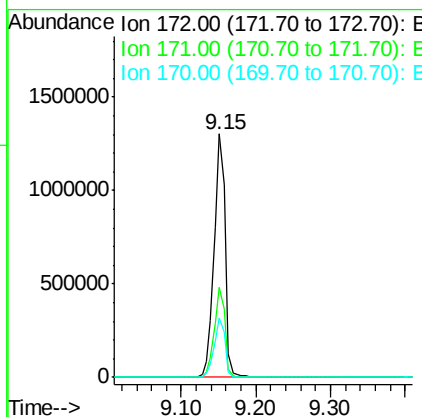
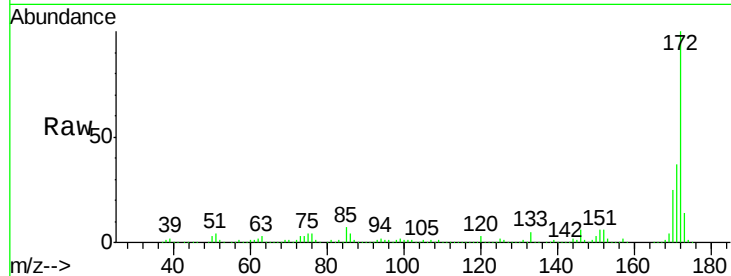
#44
2-Fluorobiphenyl
Concen: 73.323 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BF101584.D
Acq: 20 Dec 2017 22:41

Instrument :
BNA_F
ClientSampleId :
PHMHB-WCD

Tgt Ion:172 Resp: 1324694
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 24.5 19.6 29.4

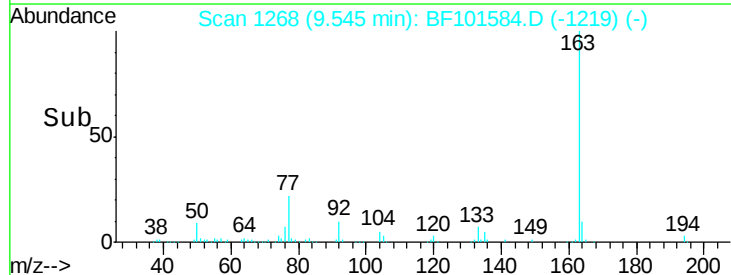
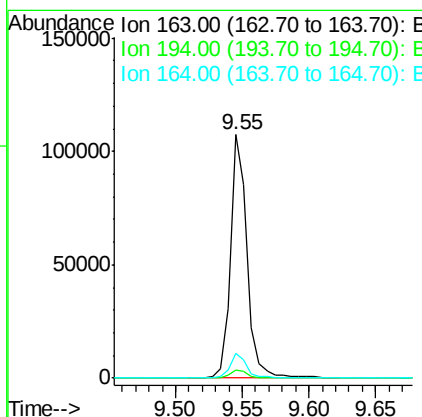
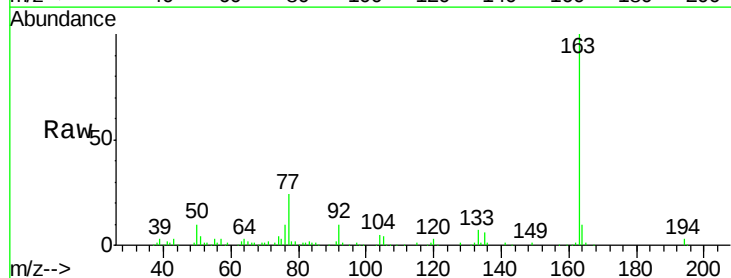
Manual Integrations
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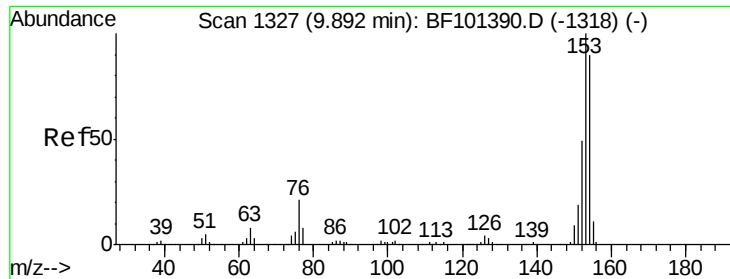
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#49
Dimethylphthalate
Concen: 4.168 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101584.D
Acq: 20 Dec 2017 22:41

Tgt Ion:163 Resp: 93951
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.1 8.2 12.2





#51

Acenaphthene

Concen: 3.893 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101584.D

Acq: 20 Dec 2017 22:41

Instrument :

BNA_F

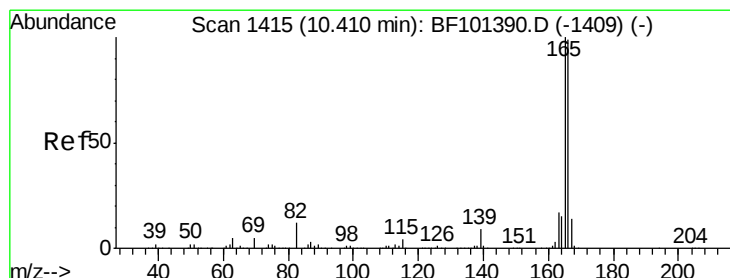
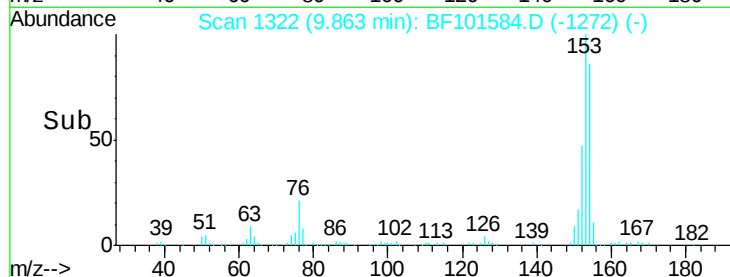
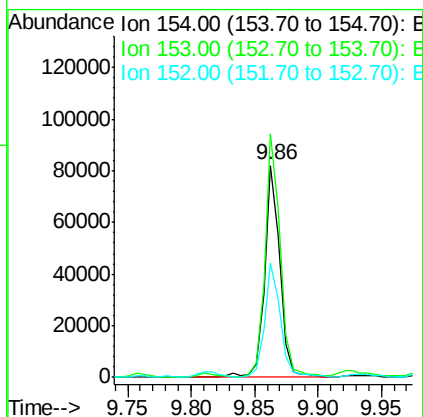
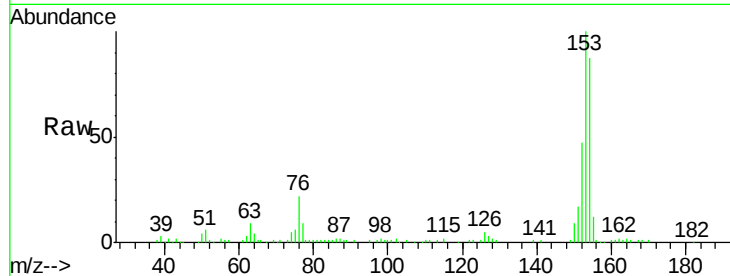
ClientSampleId :

PHMHB-WCD

Tgt Ion:	154	Resp:	70255
Ion Ratio	Lower	Upper	
154	100		
153	114.7	91.2	136.8
152	54.0	43.8	65.8

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#57

Fluorene

Concen: 2.387 ng

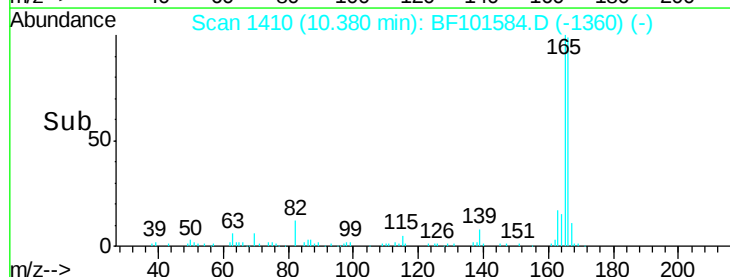
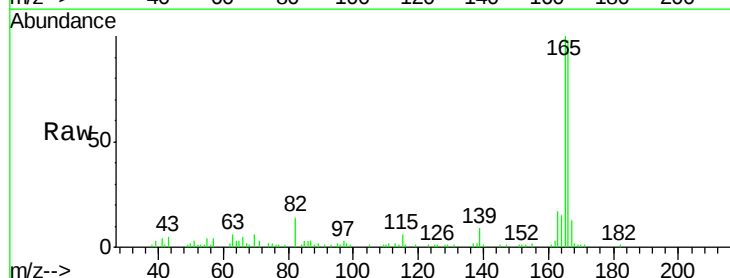
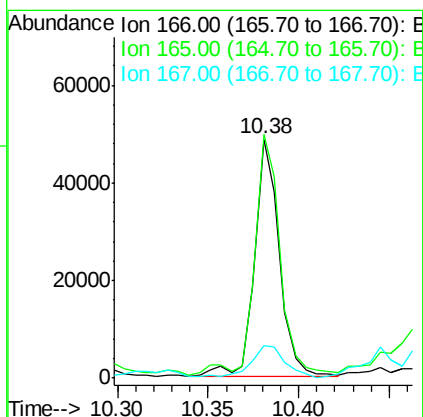
RT: 10.38 min Scan# 1410

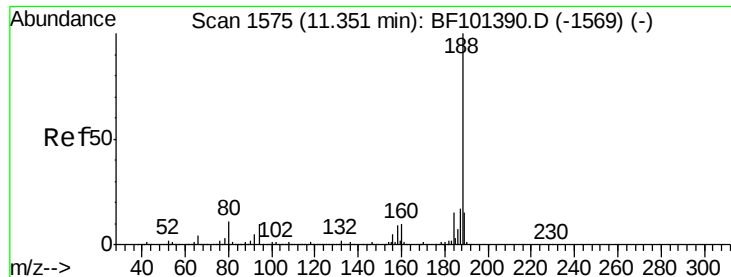
Delta R.T. -0.01 min

Lab File: BF101584.D

Acq: 20 Dec 2017 22:41

Tgt Ion:	166	Resp:	46306
Ion Ratio	Lower	Upper	
166	100		
165	102.0	79.8	119.8
167	13.3	10.6	16.0





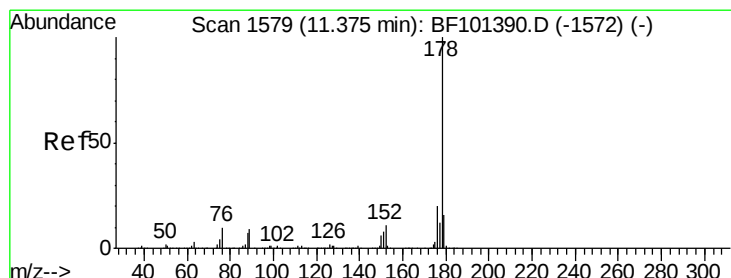
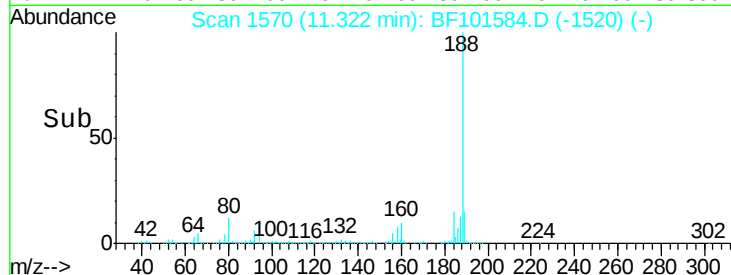
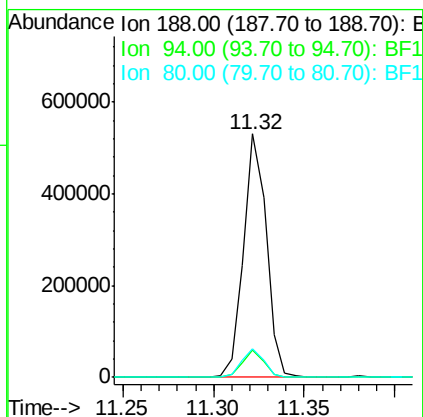
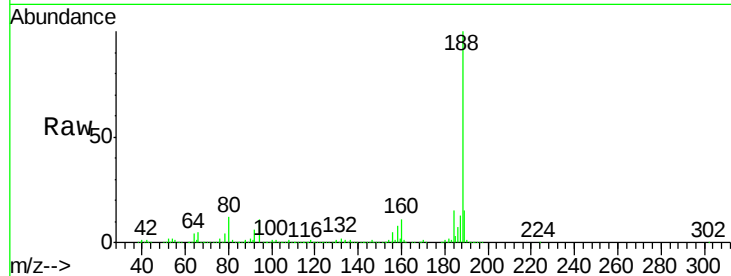
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101584.D
Acq: 20 Dec 2017 22:41

Instrument :
BNA_F
ClientSampleId :
PHMHB-WCD

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.2	8.5	12.7
80	12.0	9.2	13.8

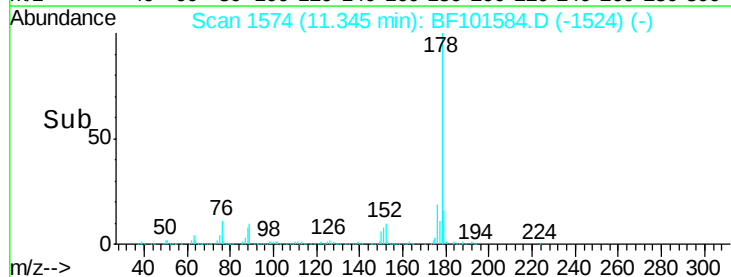
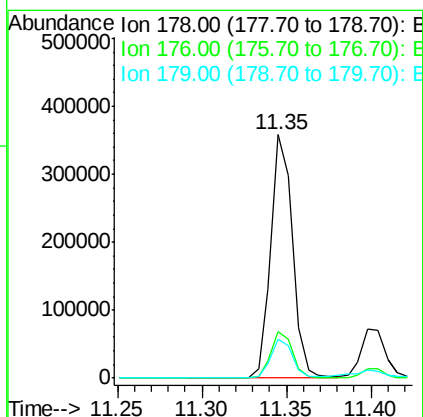
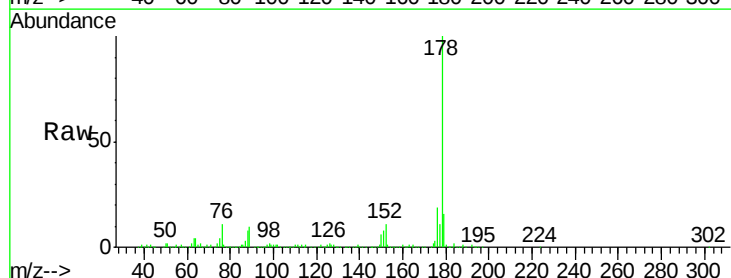
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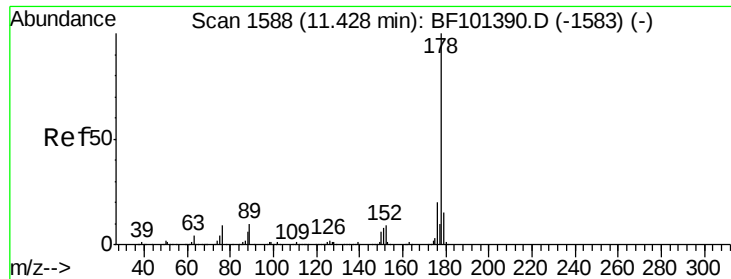
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#70
Phenanthrene
Concen: 12.187 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101584.D
Acq: 20 Dec 2017 22:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.2	15.8	23.8
179	15.8	13.0	19.6





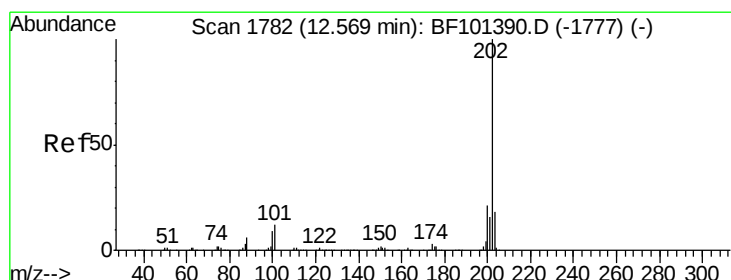
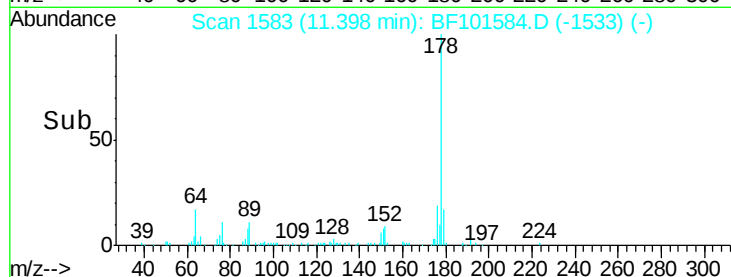
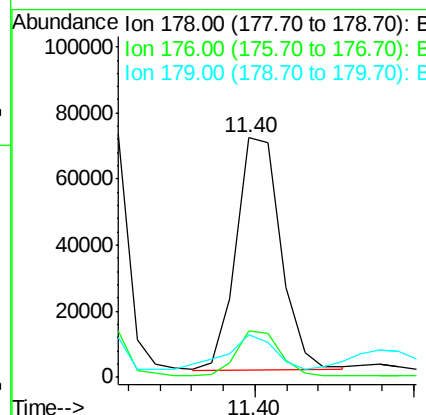
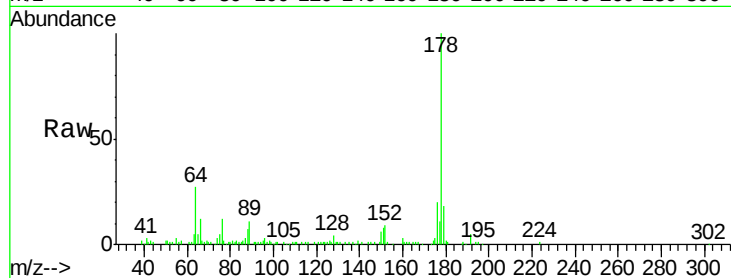
#71
 Anthracene
 Concen: 2.594 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF101584.D
 Acq: 20 Dec 2017 22:41

Instrument :
 BNA_F
 ClientSampleId :
 PHMHB-WCD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	17.6	12.6	19.0

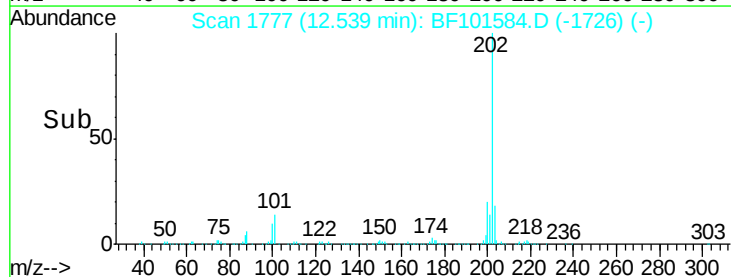
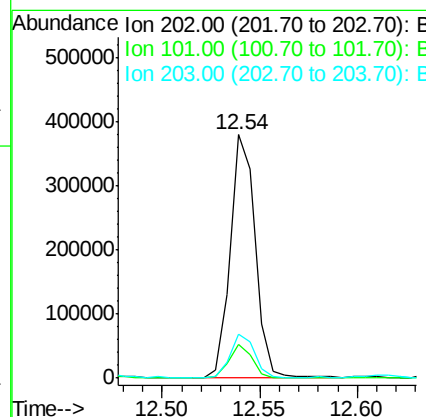
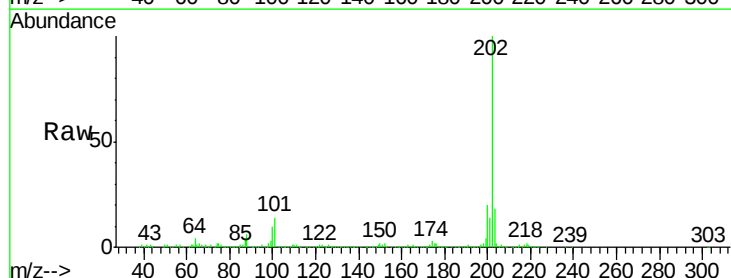
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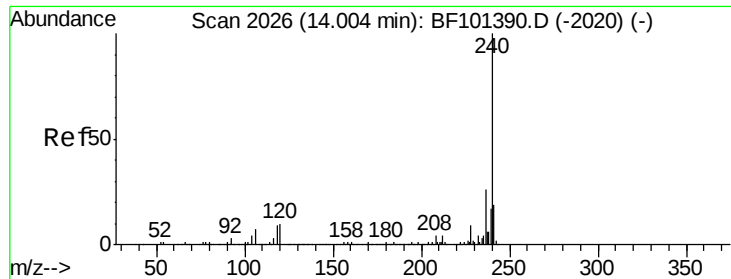
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#74
 Fluoranthene
 Concen: 12.387 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: BF101584.D
 Acq: 20 Dec 2017 22:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF101584.D

Acq: 20 Dec 2017 22:41

Instrument :

BNA_F

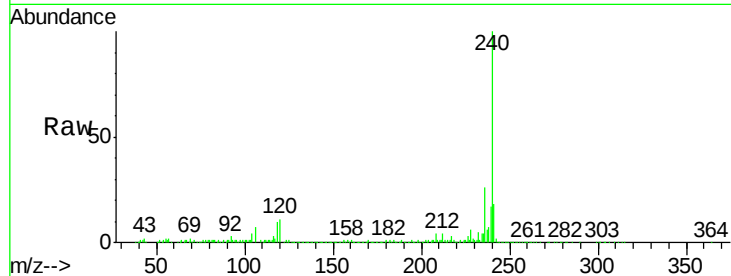
ClientSampleId :

PHMHB-WCD

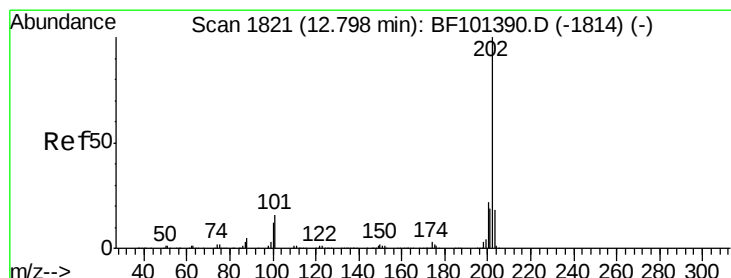
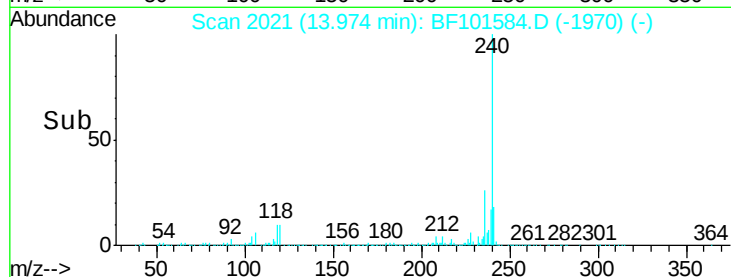
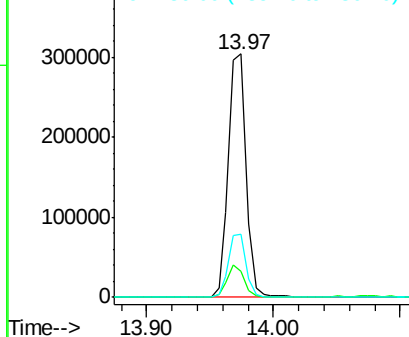
Tgt Ion:	240	Resp:	295552
Ion Ratio	Lower	Upper	
240	100		
120	10.7	9.5	14.3
236	25.8	20.7	31.1

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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

Pyrene

Concen: 16.184 ng

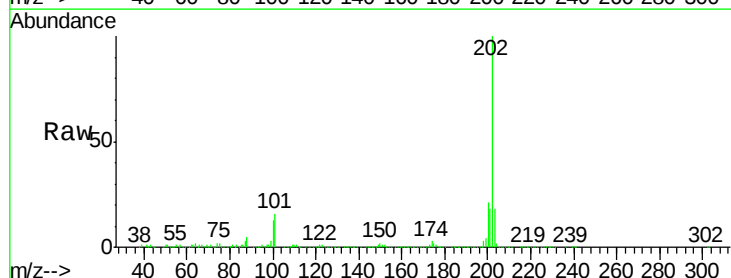
RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

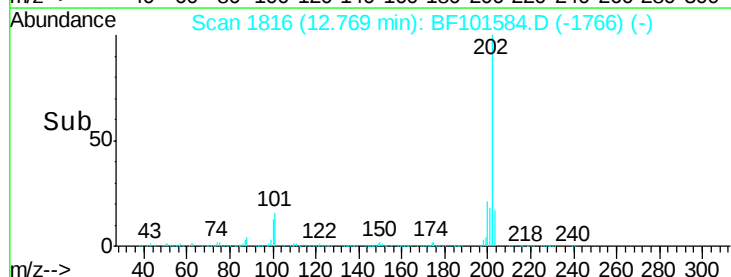
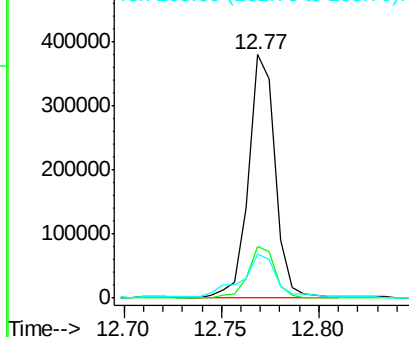
Lab File: BF101584.D

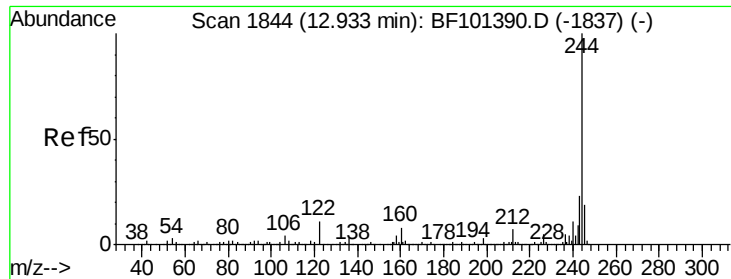
Acq: 20 Dec 2017 22:41

Tgt Ion:	202	Resp:	358969
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	18.1	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





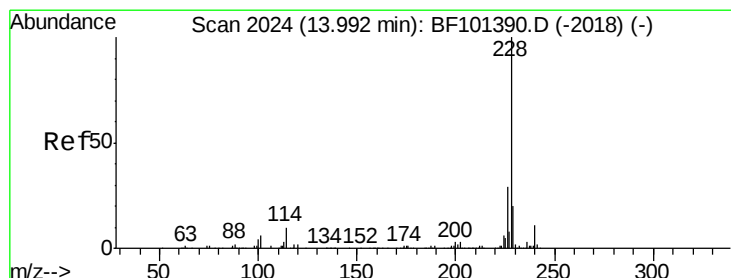
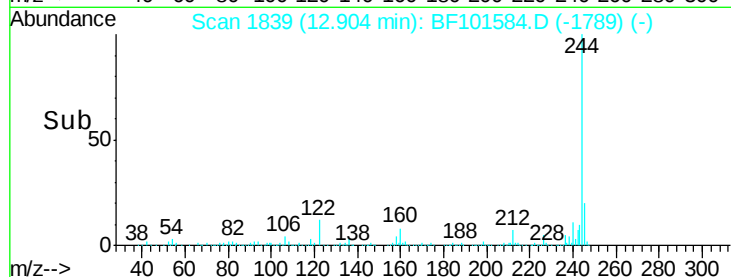
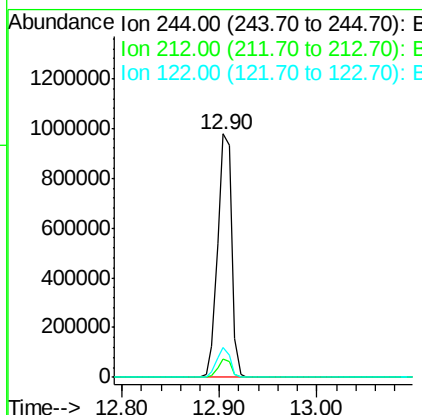
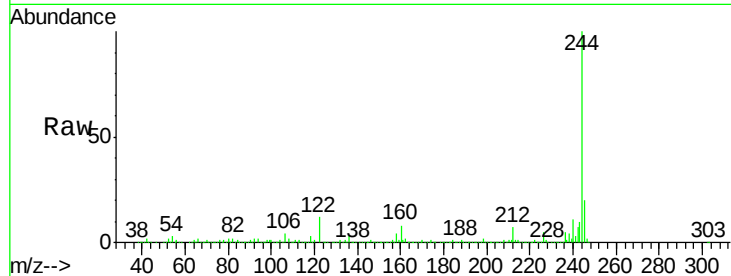
#78
 Terphenyl-d14
 Concen: 79.780 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF101584.D
 Acq: 20 Dec 2017 22:41

Instrument :
 BNA_F
 ClientSampleId :
 PHMHB-WCD

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	12.4	11.0	16.4

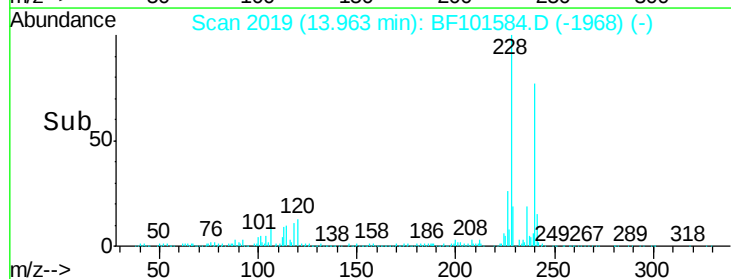
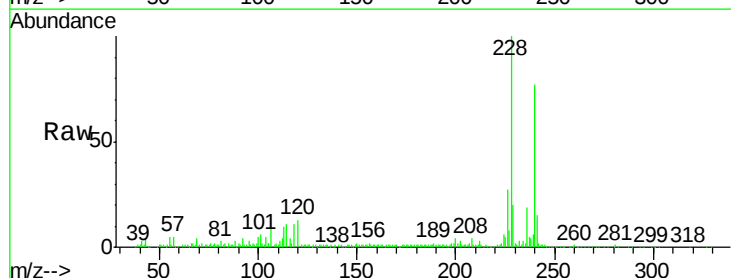
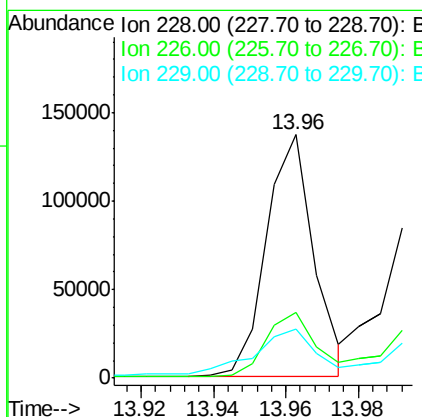
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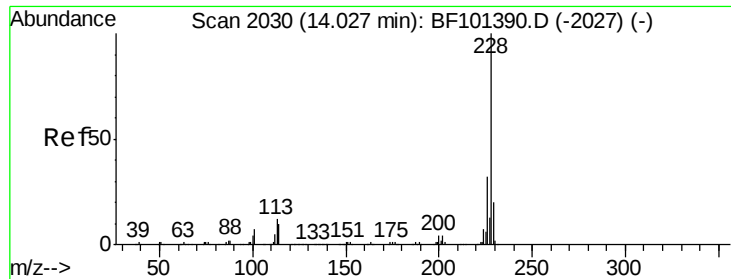
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#80
 Benzo(a)anthracene
 Concen: 6.341 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF101584.D
 Acq: 20 Dec 2017 22:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.6	33.8
229	20.2	15.8	23.6





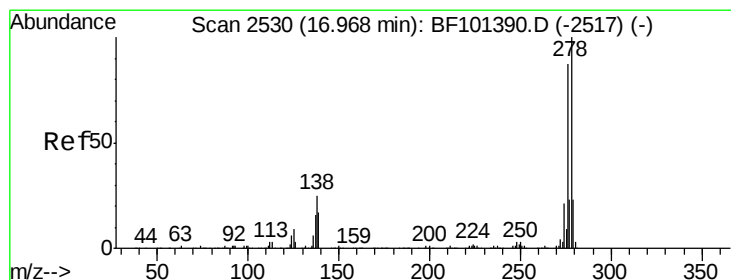
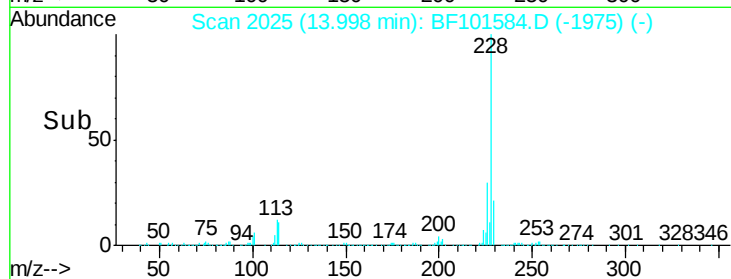
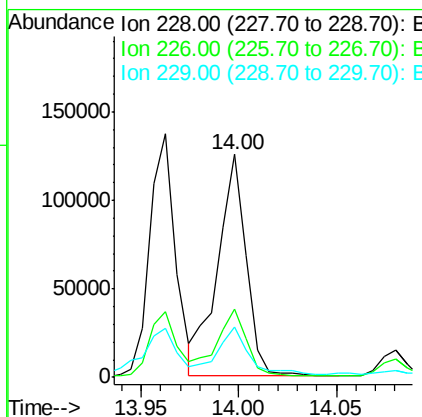
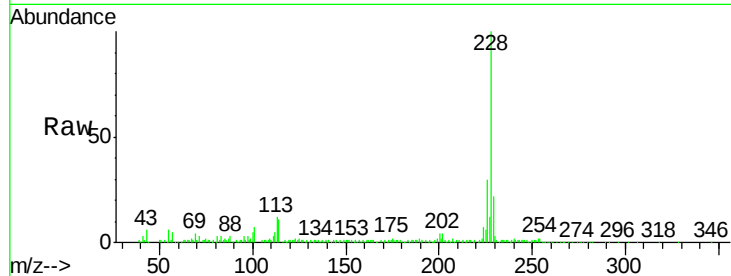
#82
Chrysene
Concen: 6.892 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF101584.D
Acq: 20 Dec 2017 22:41

Instrument :
BNA_F
ClientSampleId :
PHMHB-WCD

Tgt Ion:	228	Resp:	126986
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	22.4	16.2	24.4

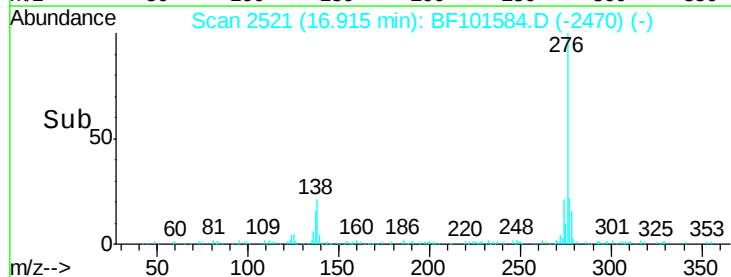
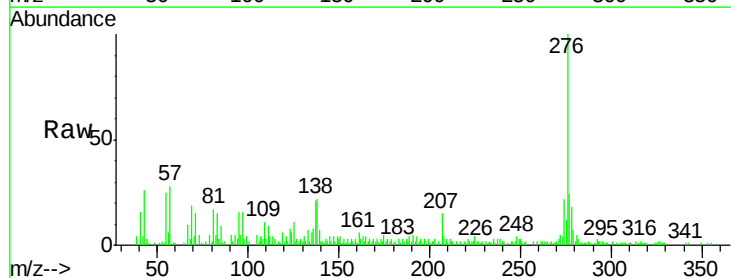
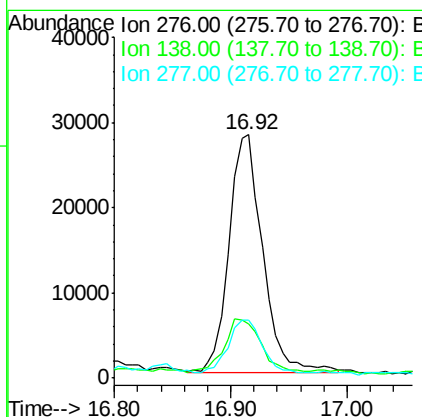
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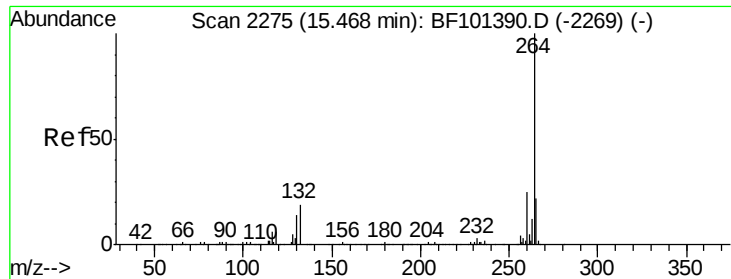
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.434 ng m
RT: 16.92 min Scan# 2521
Delta R.T. 0.00 min
Lab File: BF101584.D
Acq: 20 Dec 2017 22:41

Tgt Ion:	276	Resp:	56349
Ion Ratio	Lower	Upper	
276	100		
138	3.5	25.0	37.6#
277	3.7	20.1	30.1#





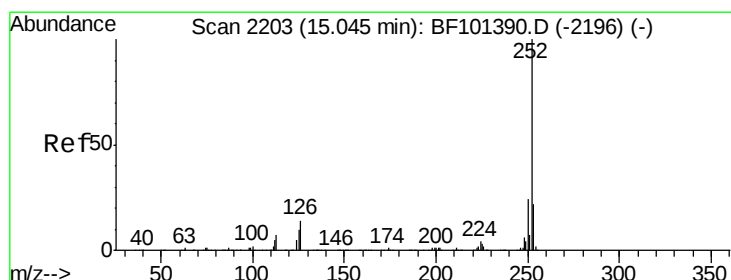
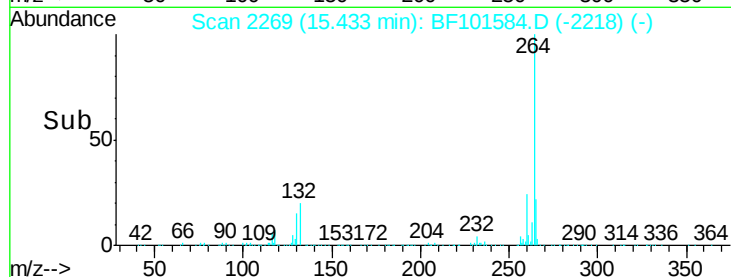
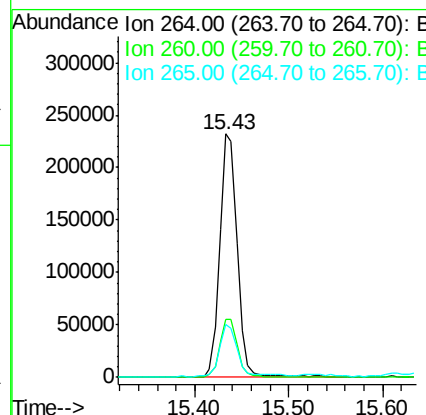
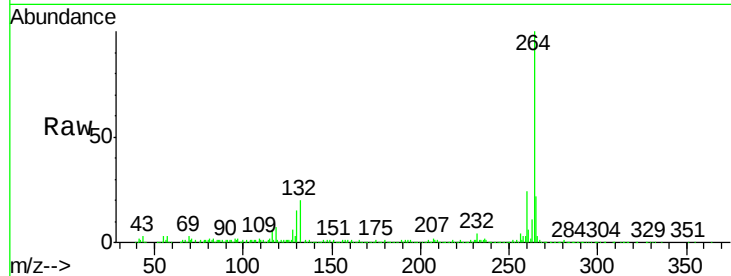
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF101584.D
Acq: 20 Dec 2017 22:41

Instrument :
BNA_F
ClientSampleId :
PHMHB-WCD

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.9	17.5	26.3

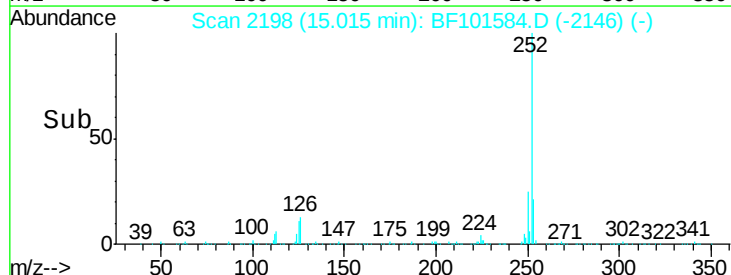
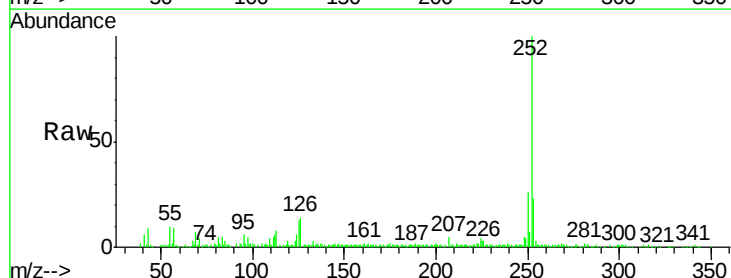
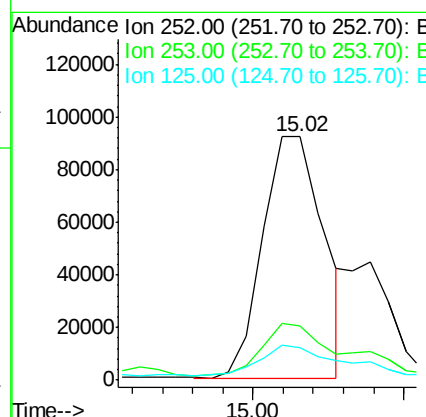
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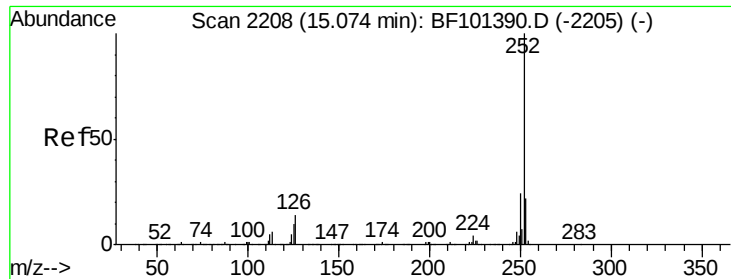
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#87
Benzo(b)fluoranthene
Concen: 7.031 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101584.D
Acq: 20 Dec 2017 22:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	13.2	9.0	13.6





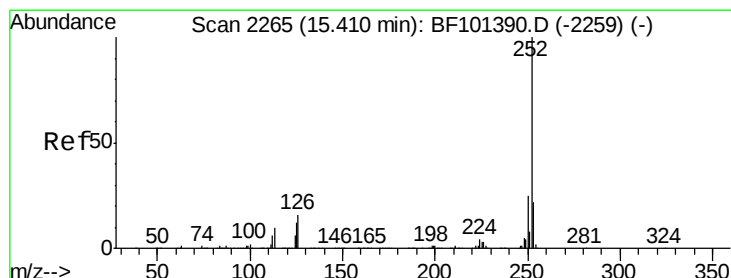
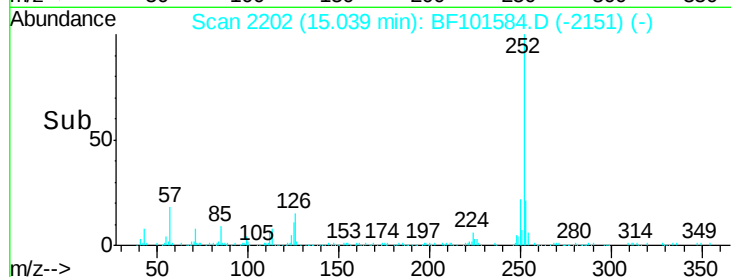
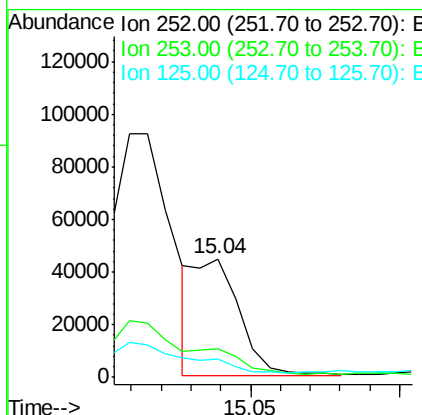
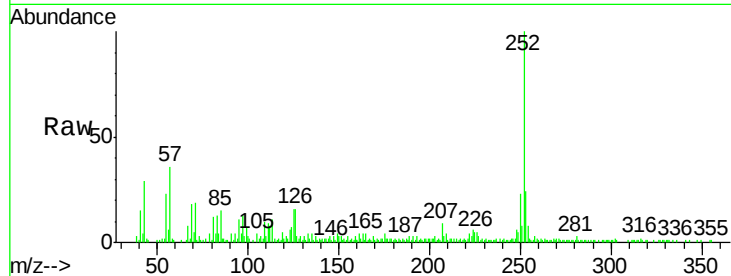
#88
Benzo(k)fluoranthene
Concen: 2.619 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BF101584.D
Acq: 20 Dec 2017 22:41

Instrument :
BNA_F
ClientSampleId :
PHMHB-WCD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	15.6	10.2	15.2

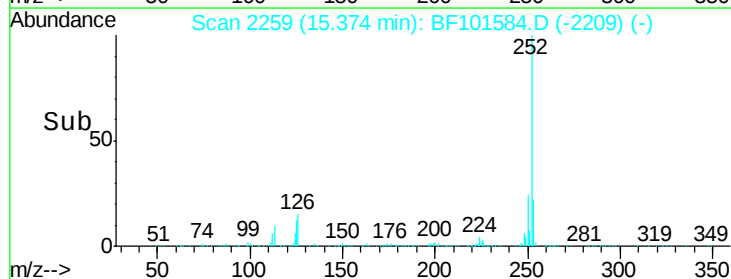
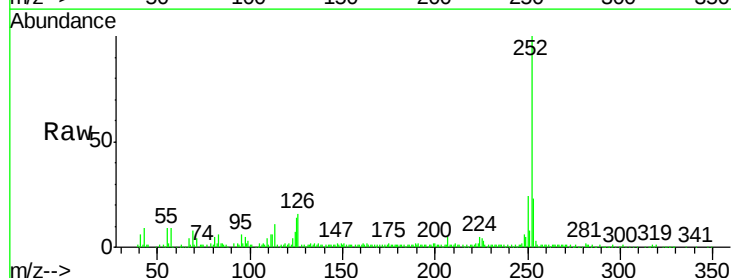
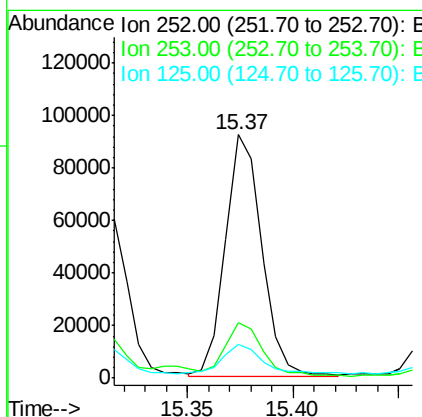
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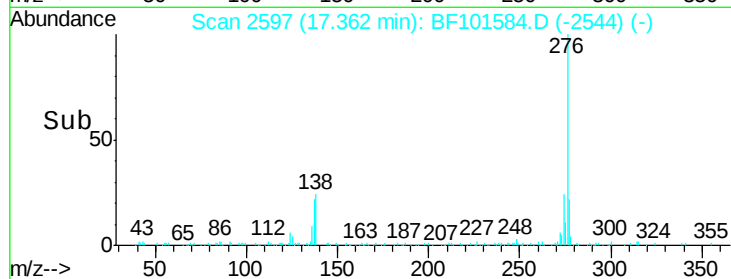
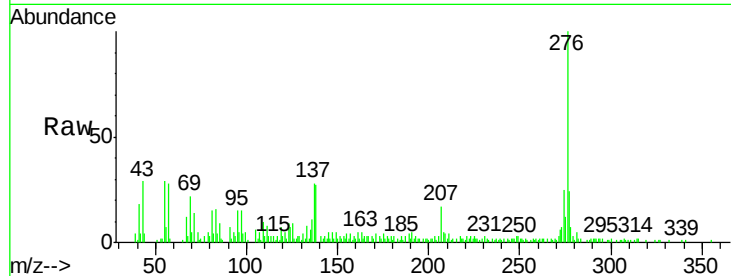
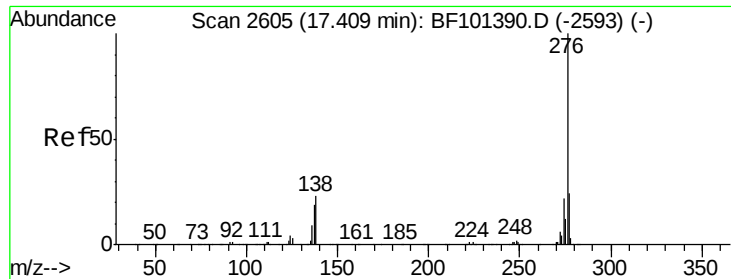
Sohil
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#89
Benzo(a)pyrene
Concen: 6.505 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF101584.D
Acq: 20 Dec 2017 22:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	14.1	9.8	14.6





#91

Benzo(g,h,i)perylene

Concen: 4.237 ng

RT: 17.36 min Scan# 2597

Delta R.T. 0.01 min

Lab File: BF101584.D

Acq: 20 Dec 2017 22:41

Tgt Ion:	276	Resp:	60893
Ion Ratio	Lower	Upper	
276	100		
277	23.7	17.9	26.9
138	26.8	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

PHMHB-WCD

Manual Integrations
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