

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122017\
 Data File : BF101582.D
 Acq On : 20 Dec 2017 21:47
 Operator : SJ/JU
 Sample : I6981-07 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PHMHB-WCS

Manual Integrations
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Sohil
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Quant Time: Dec 21 04:52:03 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	142602	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	521409	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	193603	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	300644	20.00	ng	0.00
75) Chrysene-d12	13.97	240	303934	20.00	ng	0.00
86) Perylene-d12	15.44	264	293770	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	533576	55.74	ng	0.00
7) Phenol-d6	6.43	99	637067	53.47	ng	0.00
23) Nitrobenzene-d5	7.36	82	374537	39.99	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	84760	45.44	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	522525	41.87	ng	0.00
78) Terphenyl-d14	12.90	244	395140	31.34	ng	-0.01
Target Compounds						
10) Phenol	6.45	94	29127	2.145	ng	Qvalue # 69
51) Acenaphthene	9.86	154	50012	4.012	ng	98
54) Dibenzofuran	10.04	168	37628	2.375	ng	98
57) Fluorene	10.38	166	67837	5.062	ng	99
70) Phenanthrene	11.35	178	288596	17.261	ng	98
71) Anthracene	11.40	178	118532	6.941	ng	97
74) Fluoranthene	12.54	202	403591	22.998	ng	98
77) Pyrene	12.77	202	387707	16.997	ng	100
80) Benzo(a)anthracene	13.96	228	189176	9.426	ng	97
82) Chrysene	14.00	228	180453	9.523	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	77875	4.615	ng	# 91
87) Benzo(b)fluoranthene	15.02	252	197792m	11.046	ng	
88) Benzo(k)fluoranthene	15.04	252	58456m	3.358	ng	
89) Benzo(a)pyrene	15.38	252	157334	9.532	ng	# 91
91) Benzo(g,h,i)perylene	17.37	276	80568	5.741	ng	# 94

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

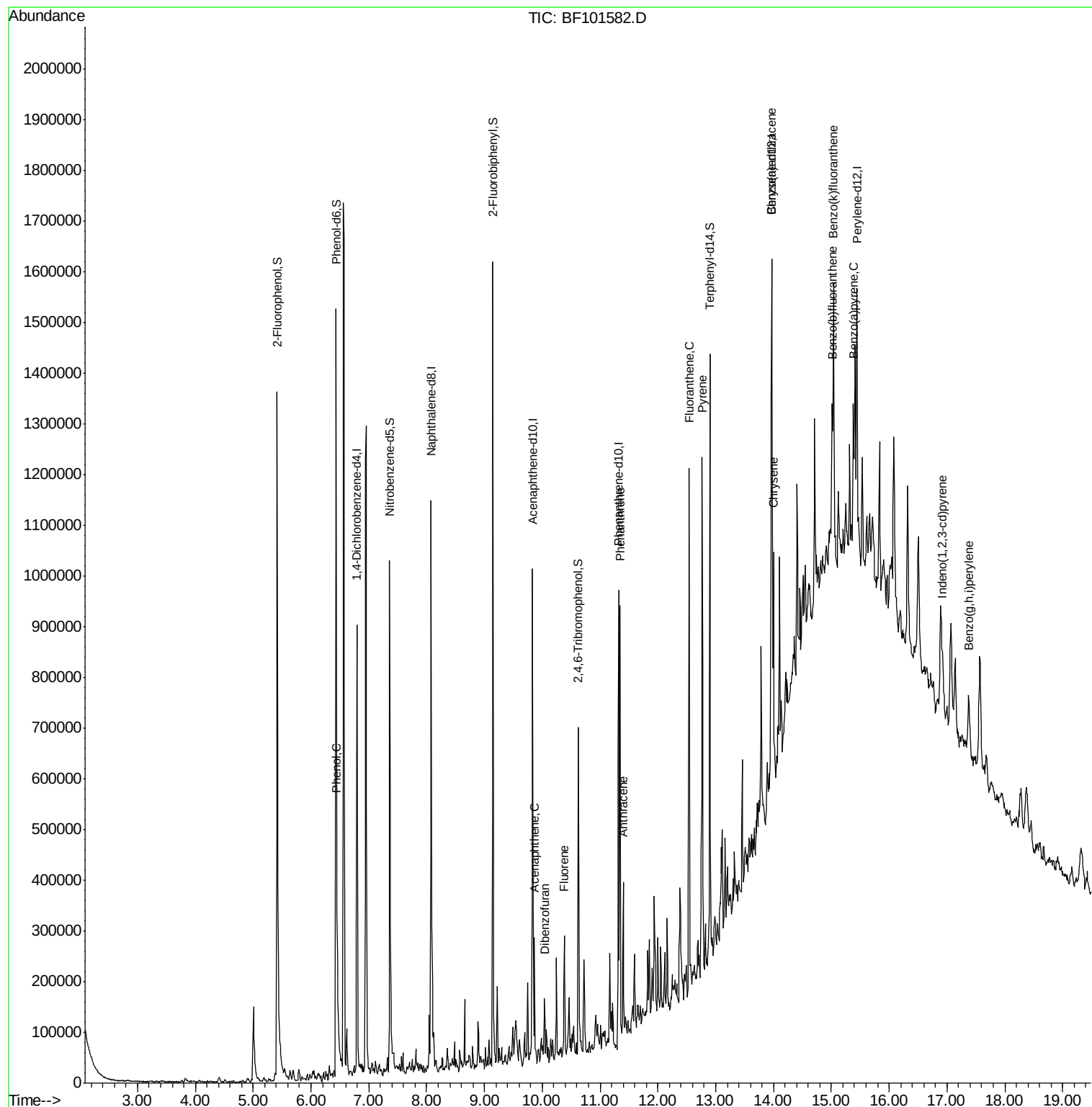
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122017\
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ALS Vial : 24 Sample Multiplier: 1

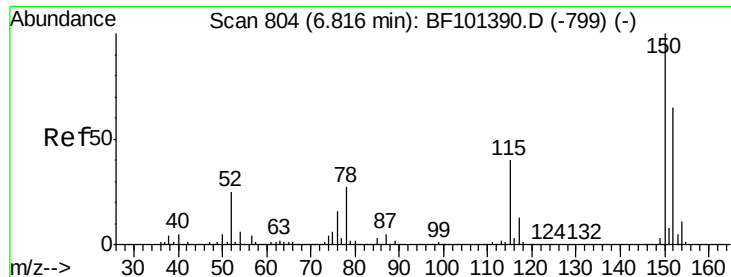
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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#1

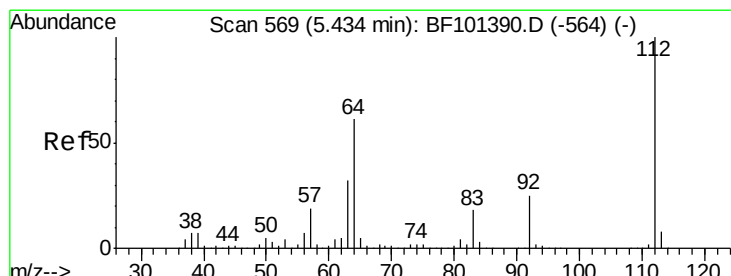
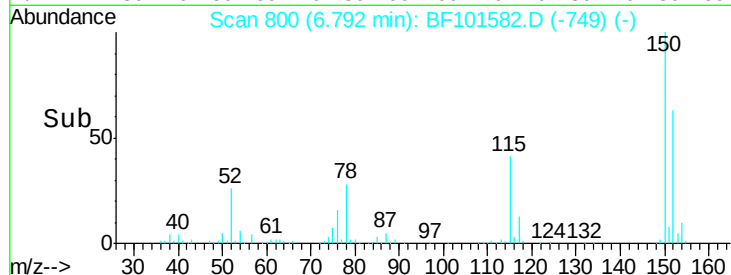
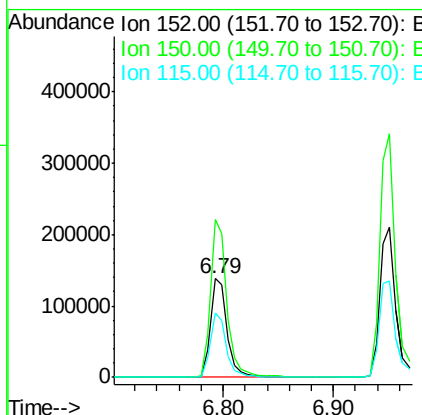
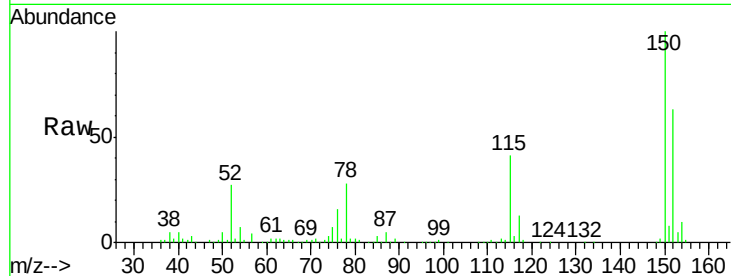
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Instrument :
BNA_F
ClientSampleId :
PHMHB-WCS

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.6	186.8
115	65.3	50.1	75.1

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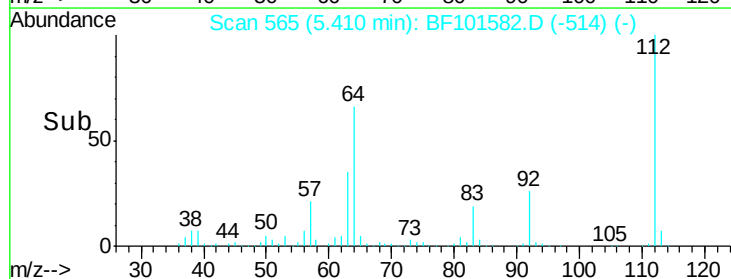
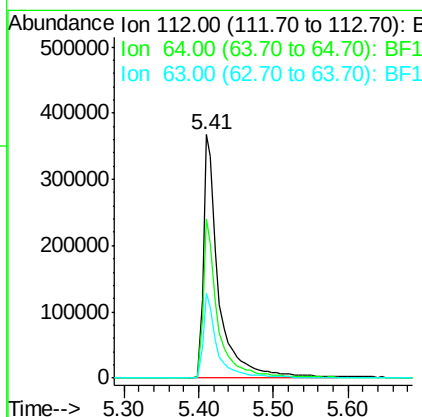
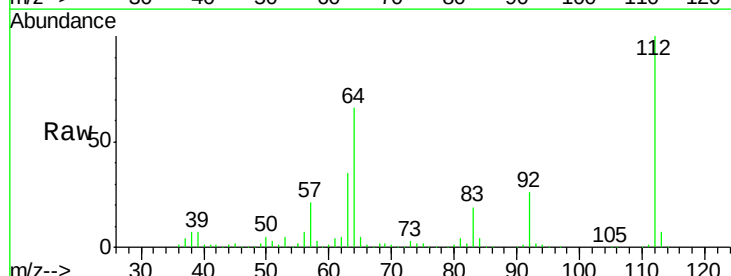
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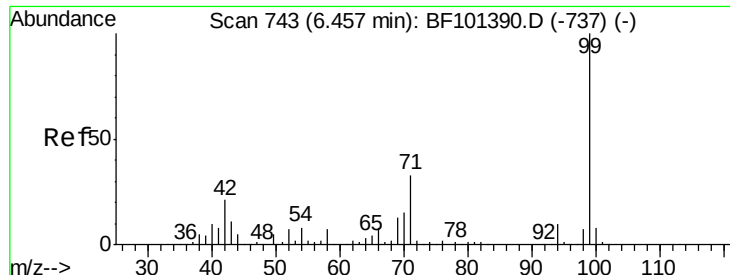


#5

2-Fluorophenol
Concen: 55.736 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	47.9	71.9
63	34.6	23.7	35.5





#7

Phenol-d6

Concen: 53.471 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Instrument :

BNA_F

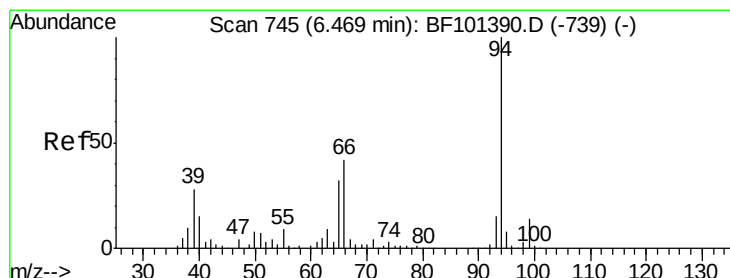
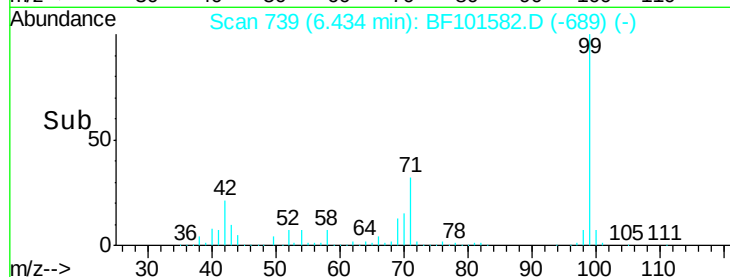
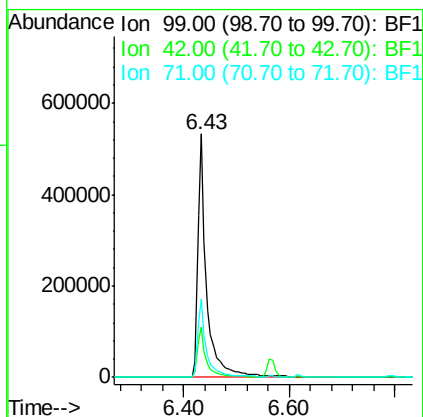
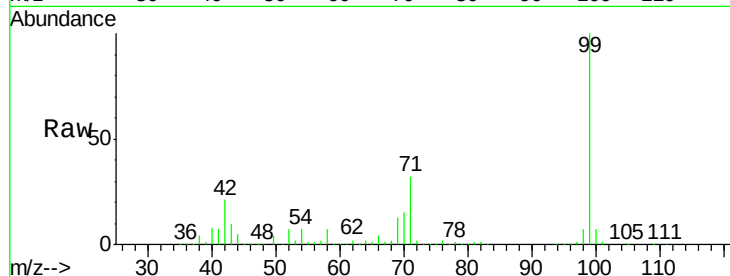
ClientSampled :

PHMHB-WCS

Tgt Ion:	99	Resp:	637067
Ion Ratio	Lower	Upper	
99	100		
42	20.7	14.5	21.7
71	32.5	25.4	38.0

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#10

Phenol

Concen: 2.145 ng

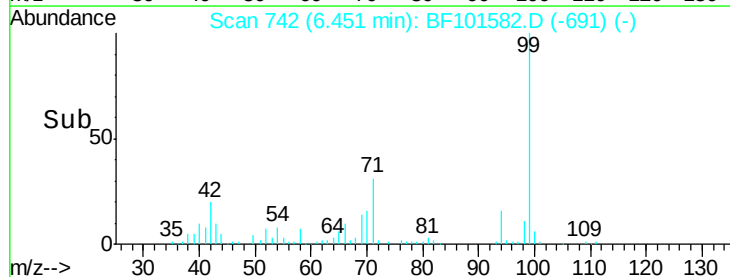
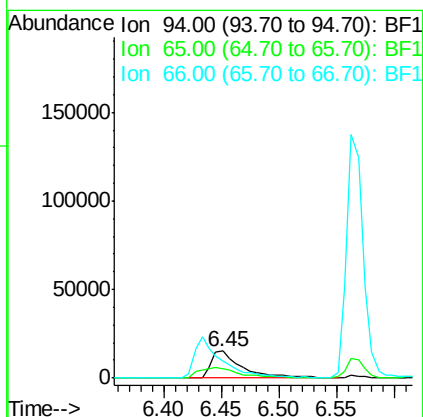
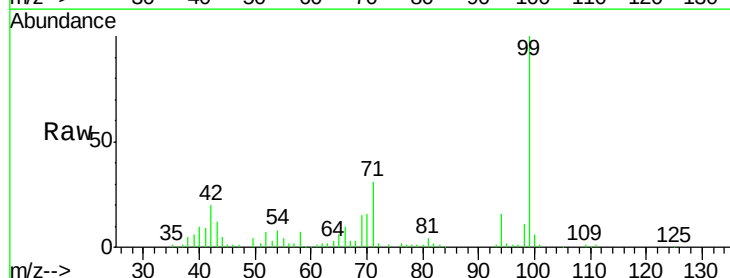
RT: 6.45 min Scan# 742

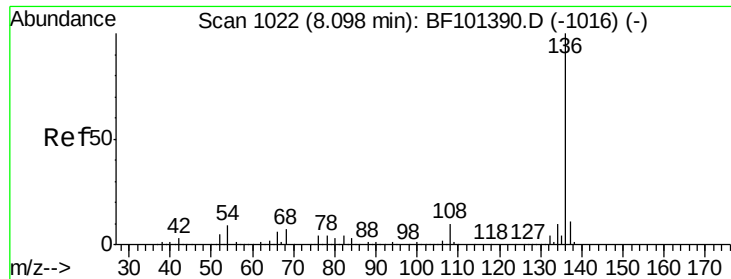
Delta R.T. -0.00 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Tgt Ion:	94	Resp:	29127
Ion Ratio	Lower	Upper	
94	100		
65	34.3	7.9	47.9
66	62.9	16.2	56.2





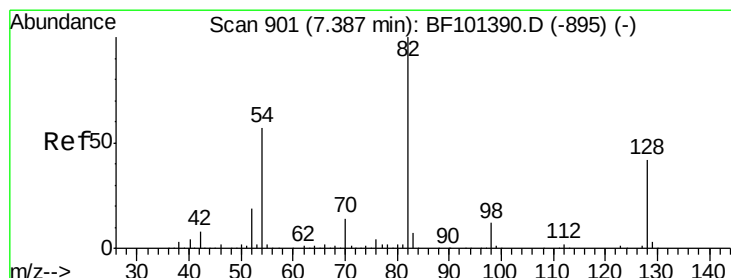
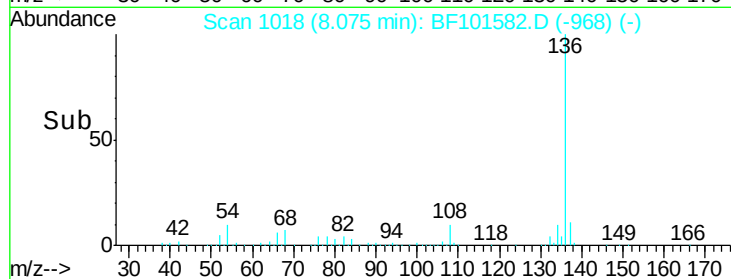
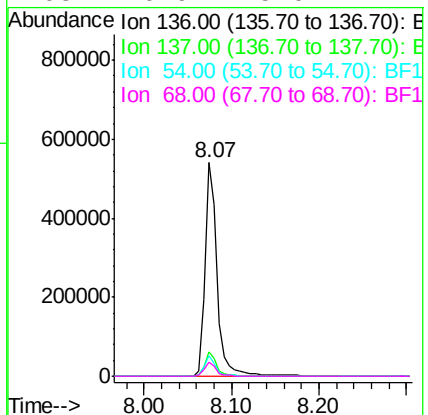
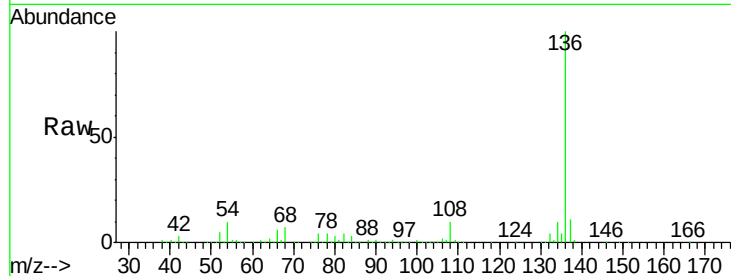
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Instrument :
BNA_F
ClientSampleId :
PHMHB-WCS

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.5	6.6	9.8
68	6.9	5.0	7.4

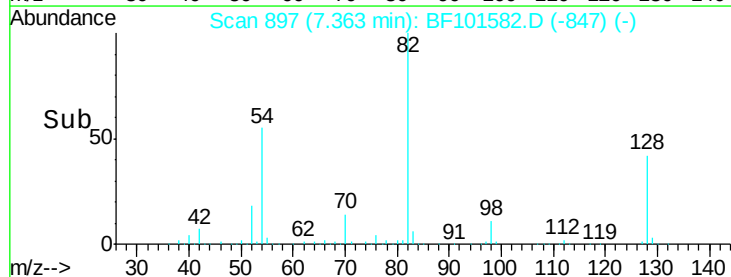
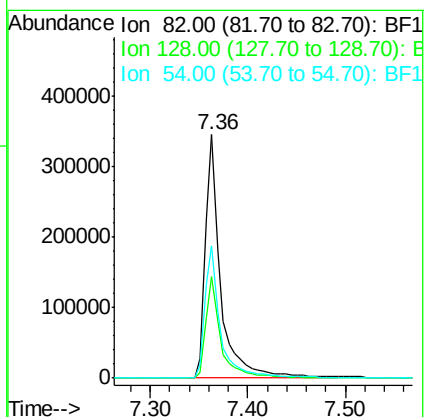
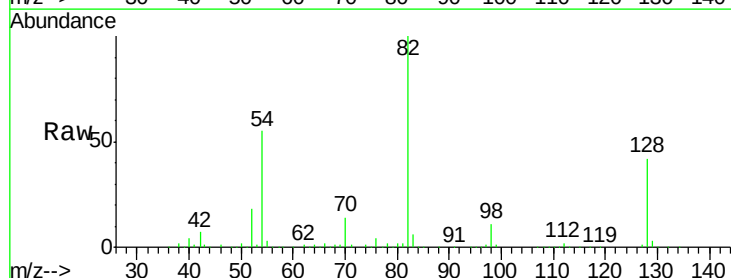
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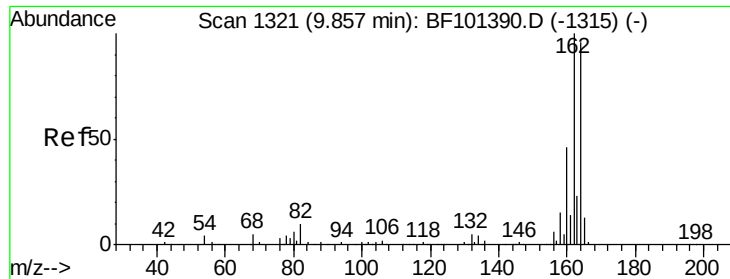
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#23
Nitrobenzene-d5
Concen: 39.986 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	41.5	36.1	54.1
54	54.5	41.4	62.2





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Instrument :

BNA_F

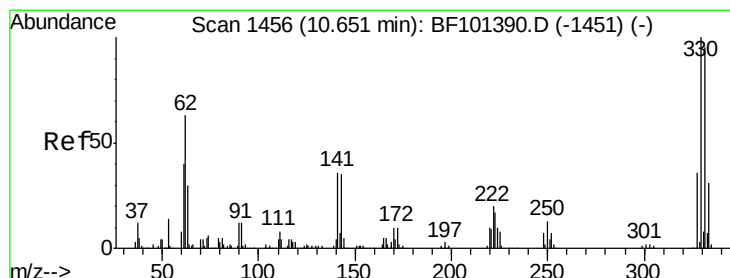
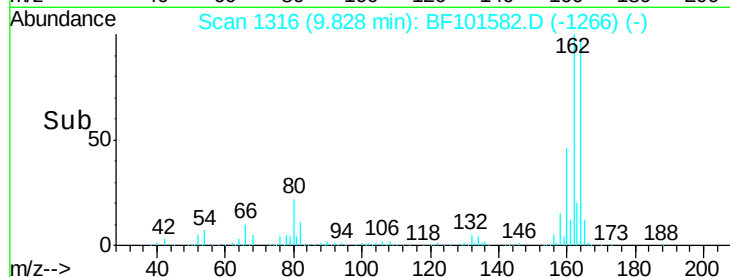
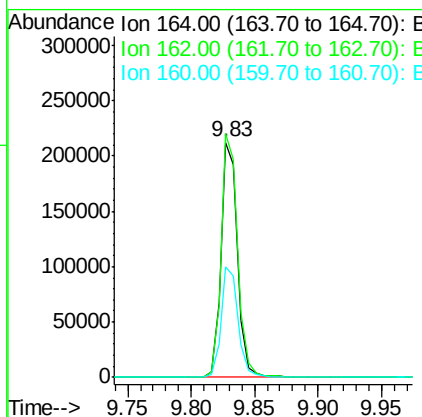
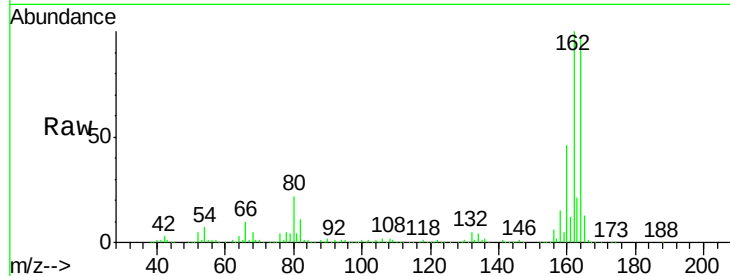
ClientSampleId :

PHMHB-WCS

Tgt Ion:	164	Resp:	193603
Ion Ratio	Lower	Upper	
164	100		
162	103.6	86.1	129.1
160	47.2	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 45.435 ng

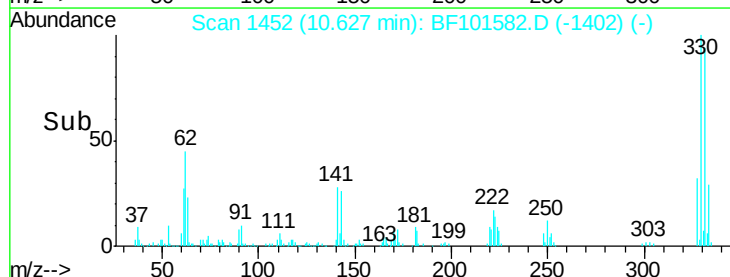
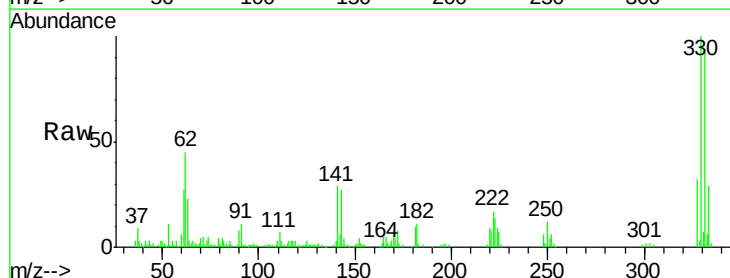
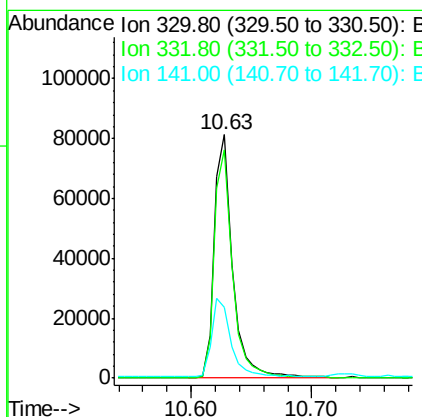
RT: 10.63 min Scan# 1452

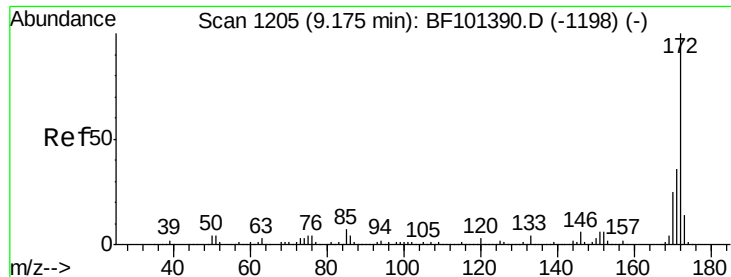
Delta R.T. -0.01 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Tgt Ion:	330	Resp:	84760
Ion Ratio	Lower	Upper	
330	100		
332	94.4	77.0	115.6
141	34.4	29.9	44.9





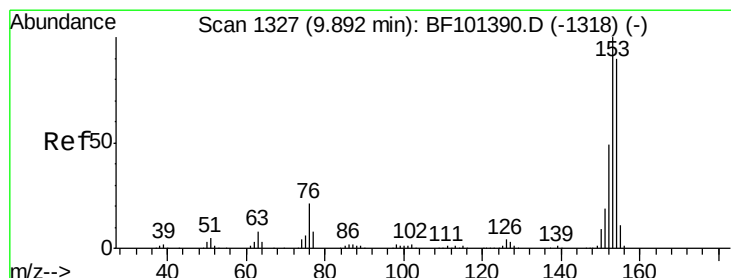
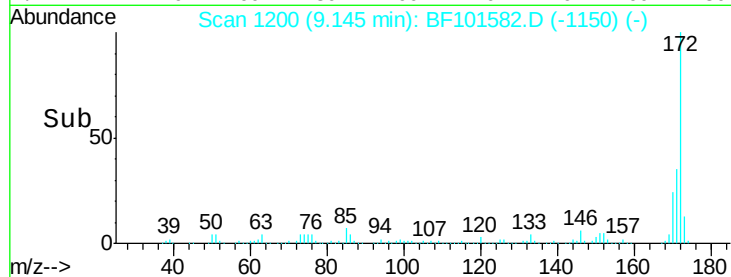
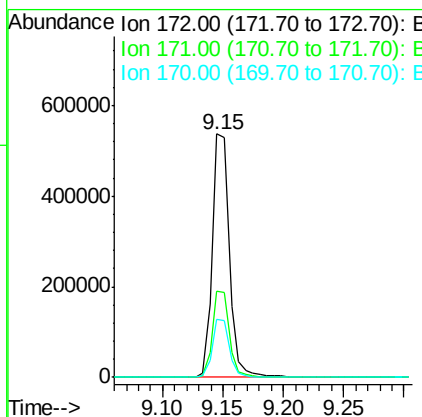
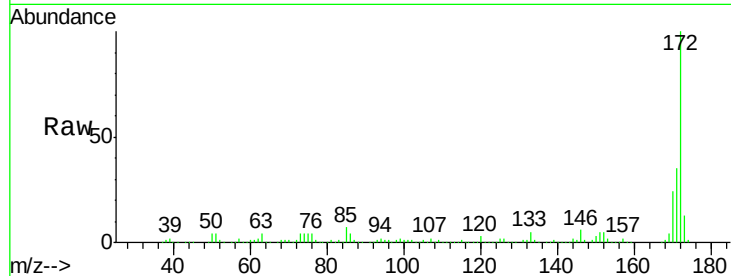
#44
2-Fluorobiphenyl
Concen: 41.867 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
172	100	522525		
171	35.3	29.7	44.5	
170	24.0	19.6	29.4	

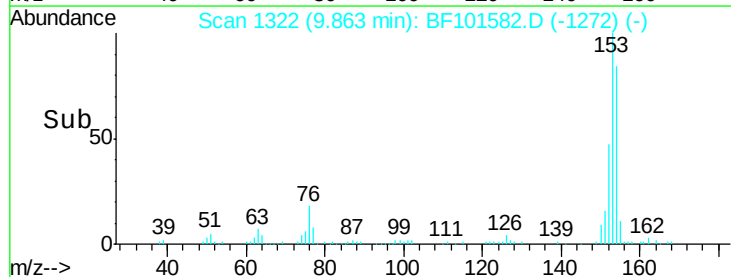
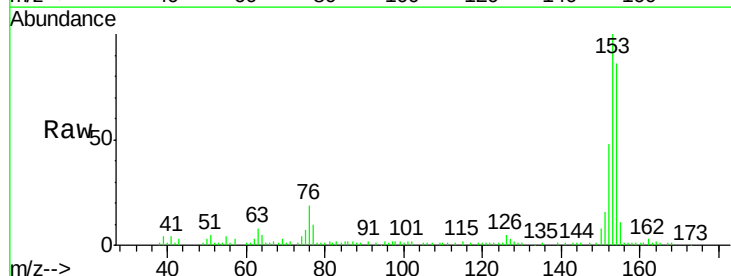
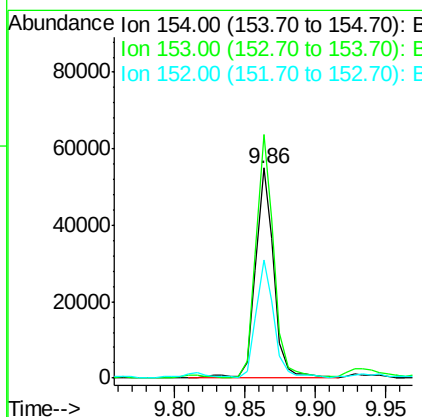
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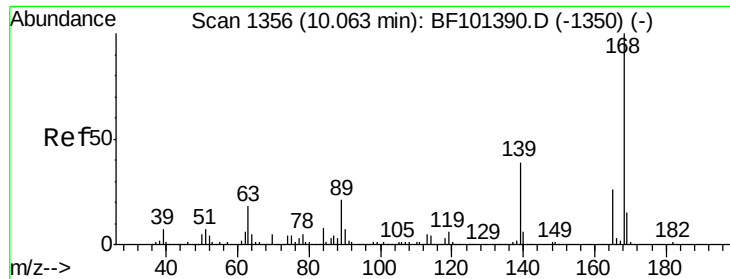
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#51
Acenaphthene
Concen: 4.012 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	50012		
153	116.0	91.2	136.8	
152	56.1	43.8	65.8	





#54

Dibenzofuran

Concen: 2.375 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.00 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Instrument :

BNA_F

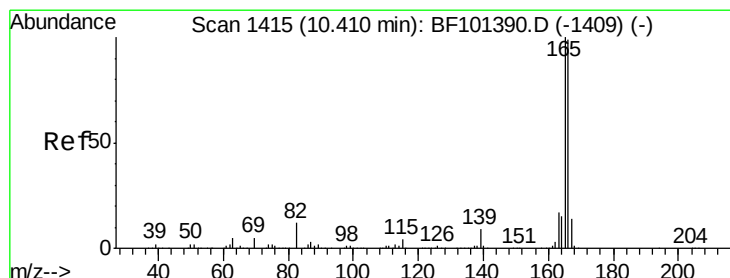
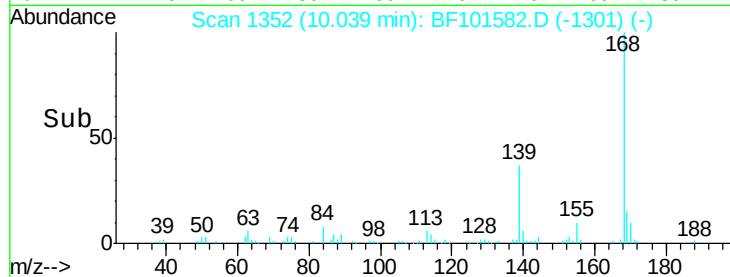
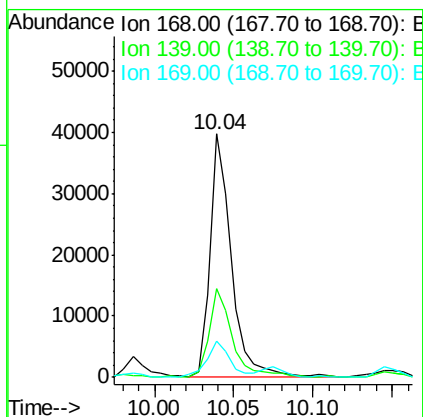
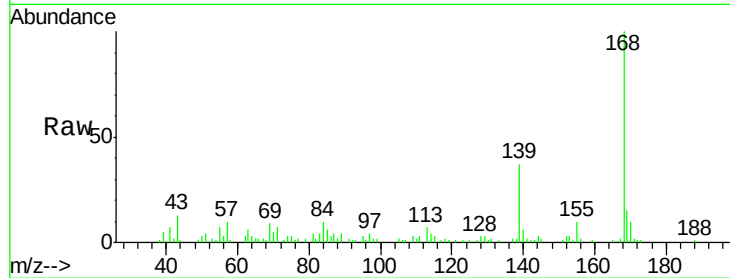
ClientSampleId :

PHMHB-WCS

Tgt Ion:	168	Resp:	37628
Ion Ratio	Lower	Upper	
168	100		
139	36.6	30.1	45.1
169	15.1	10.9	16.3

Manual Integrations
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#57

Fluorene

Concen: 5.062 ng

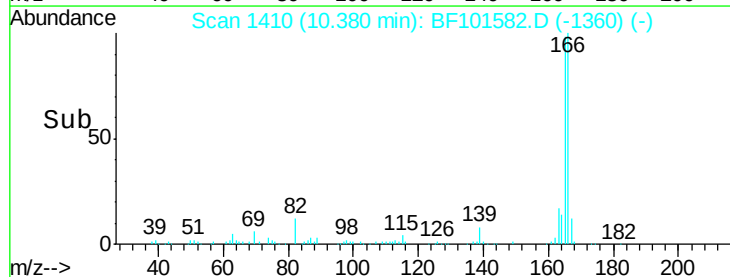
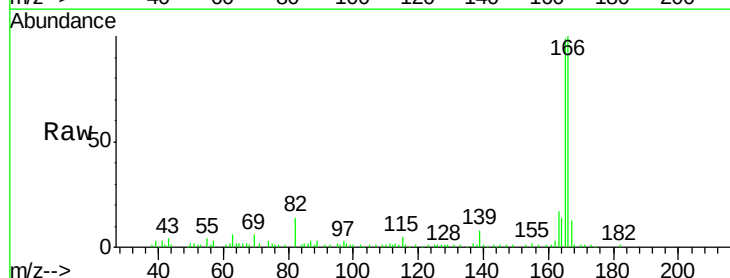
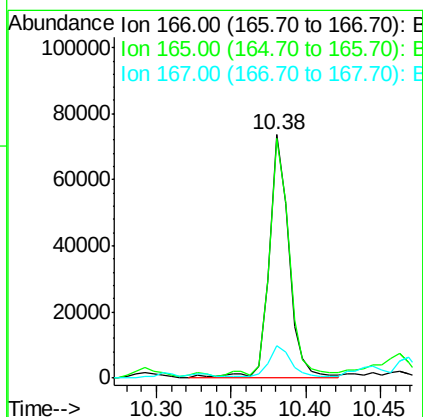
RT: 10.38 min Scan# 1410

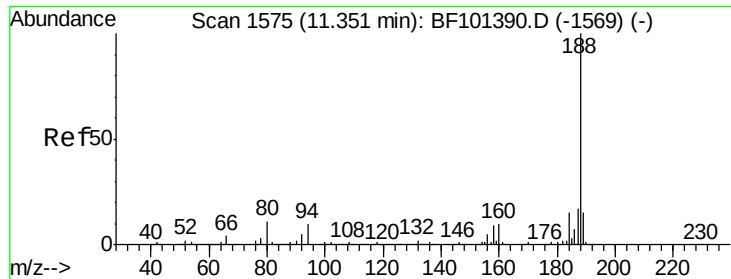
Delta R.T. -0.01 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Tgt Ion:	166	Resp:	67837
Ion Ratio	Lower	Upper	
166	100		
165	98.7	79.8	119.8
167	13.1	10.6	16.0





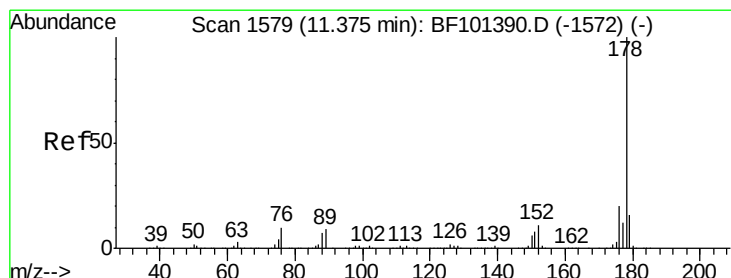
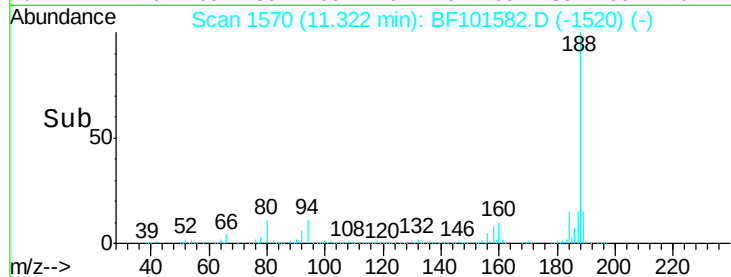
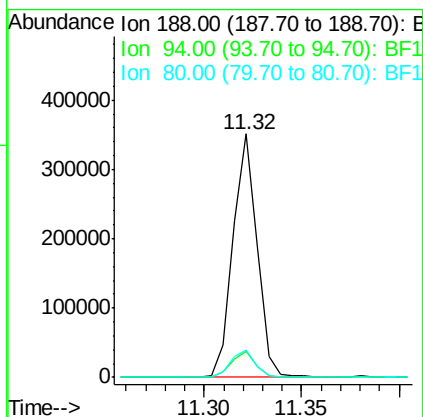
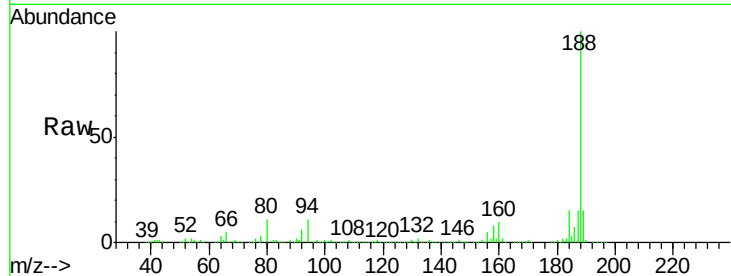
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Instrument :
BNA_F
ClientSampleId :
PHMHB-WCS

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	300644		
94	10.7		8.5	12.7
80	11.4		9.2	13.8

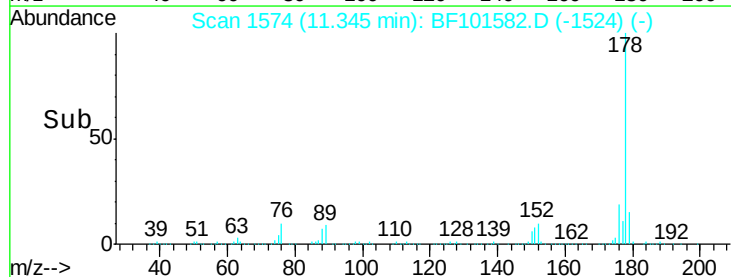
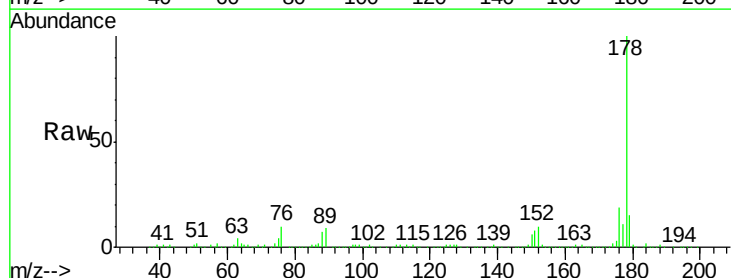
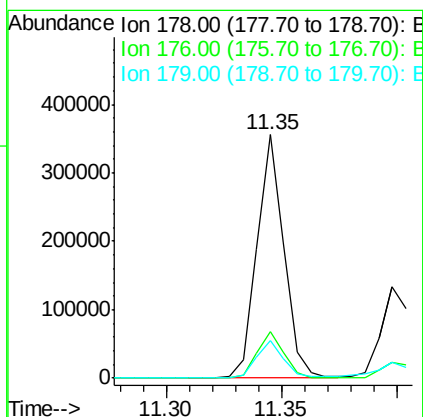
Manual Integrations
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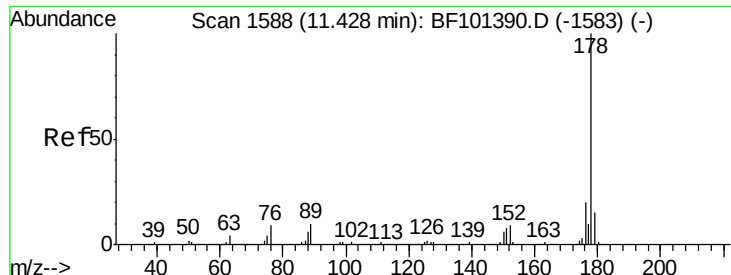
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#70
Phenanthrene
Concen: 17.261 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	288596		
176	19.1		15.8	23.8
179	15.2		13.0	19.6





#71

Anthracene

Concen: 6.941 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Instrument :

BNA_F

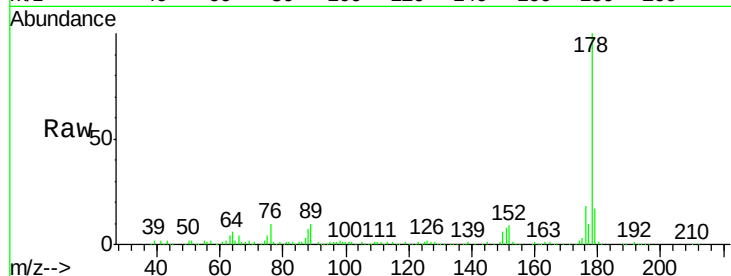
ClientSampleId :

PHMHB-WCS

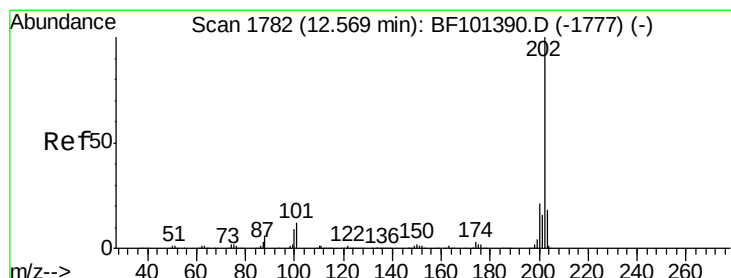
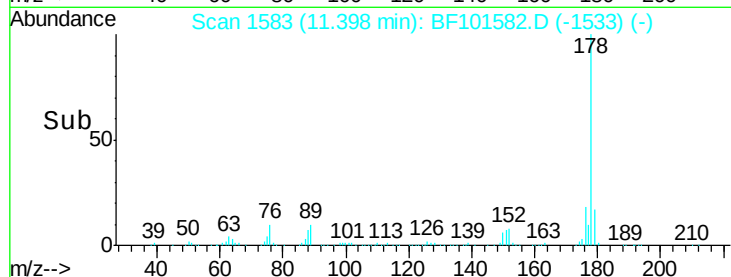
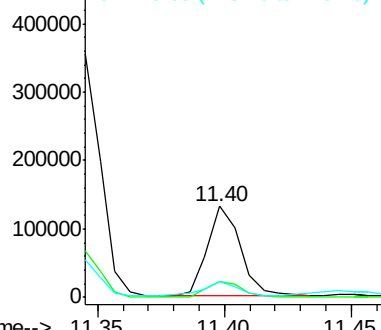
Tgt Ion:	178	Resp:	118532
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.4	23.2
179	16.8	12.6	19.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 22.998 ng

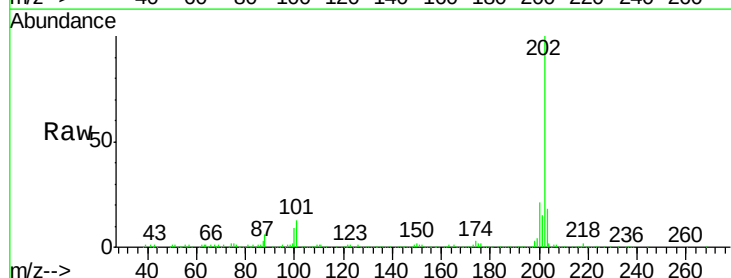
RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

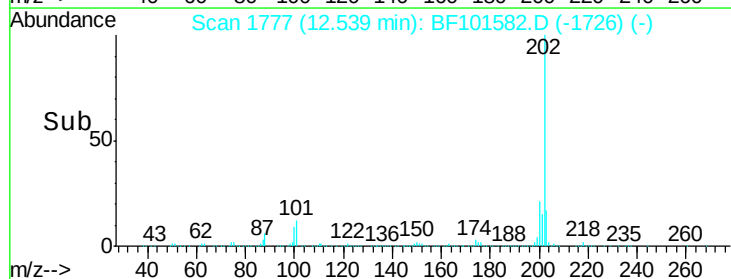
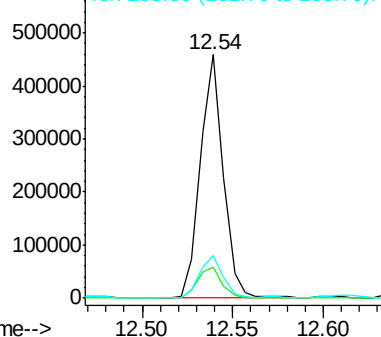
Lab File: BF101582.D

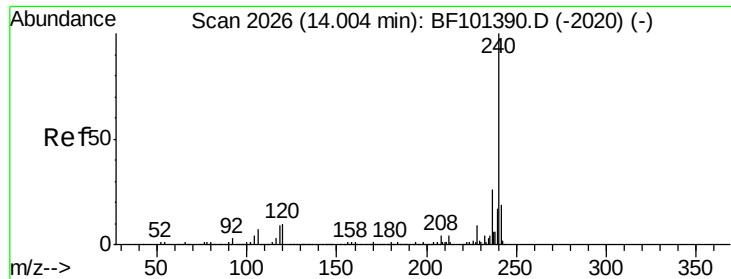
Acq: 20 Dec 2017 21:47

Tgt Ion:	202	Resp:	403591
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	34.1
203	17.6	0.0	38.1



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Instrument :

BNA_F

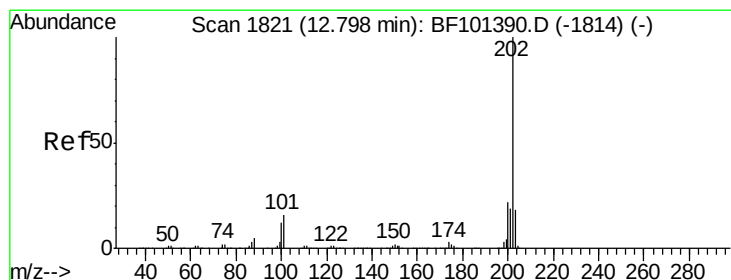
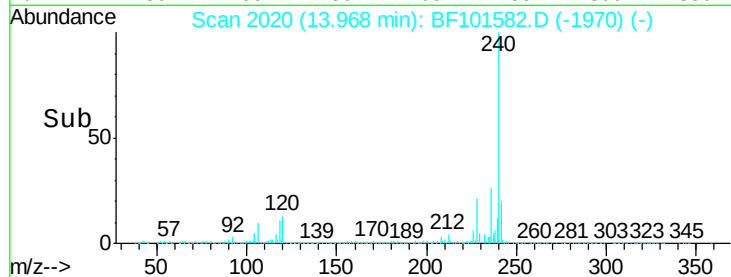
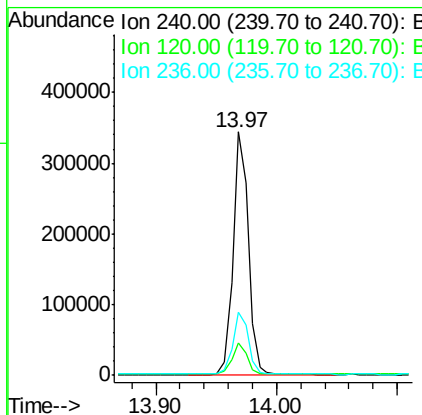
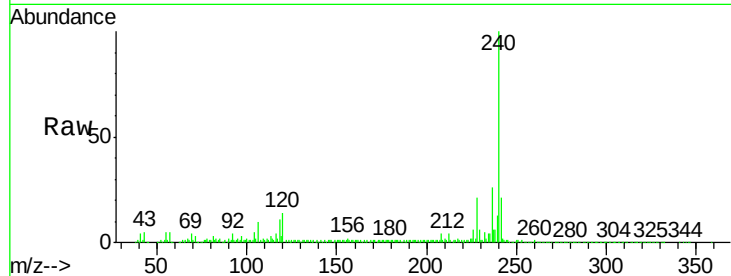
ClientSampleId :

PHMHB-WCS

Tgt Ion:	240	Resp:	303934
Ion Ratio	Lower	Upper	
240	100		
120	13.5	9.5	14.3
236	25.9	20.7	31.1

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#77

Pyrene

Concen: 16.997 ng

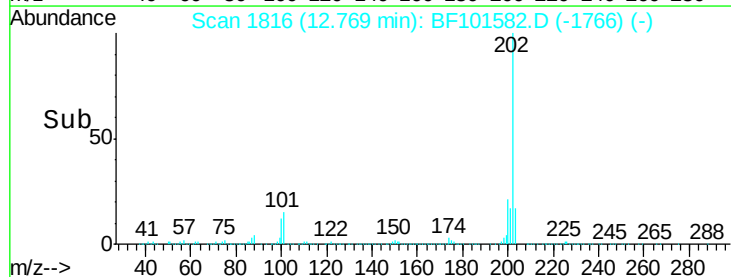
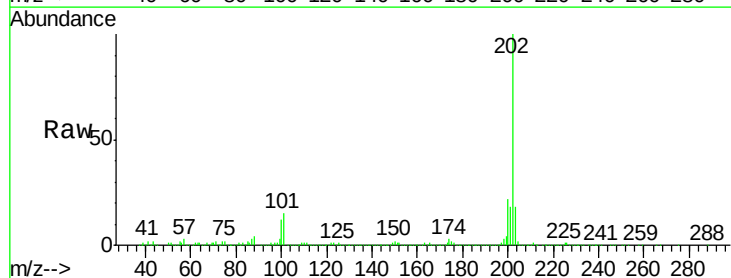
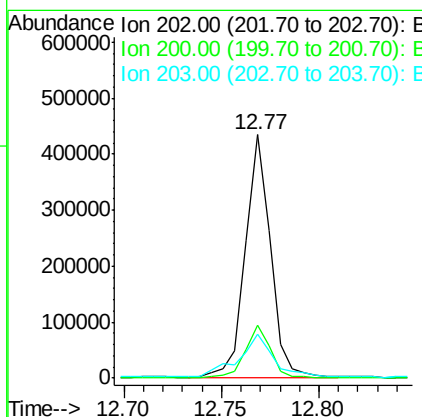
RT: 12.77 min Scan# 1816

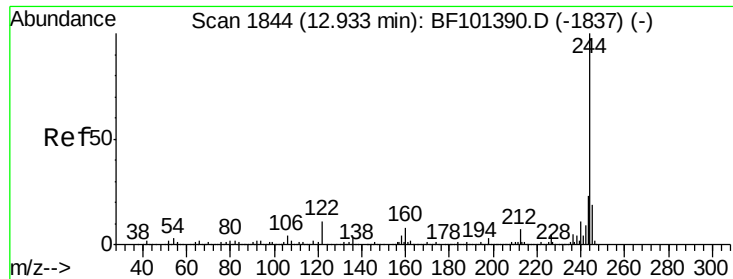
Delta R.T. -0.01 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Tgt Ion:	202	Resp:	387707
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	17.9	14.3	21.5





#78

Terphenyl-d14

Concen: 31.342 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Instrument :

BNA_F

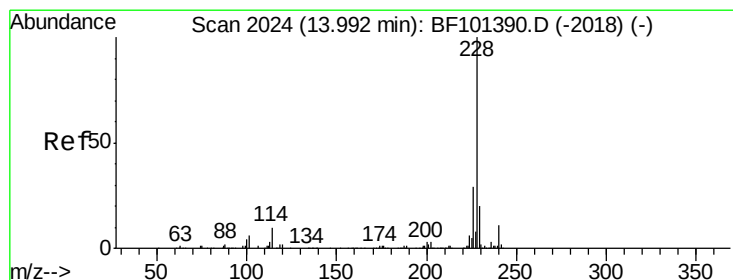
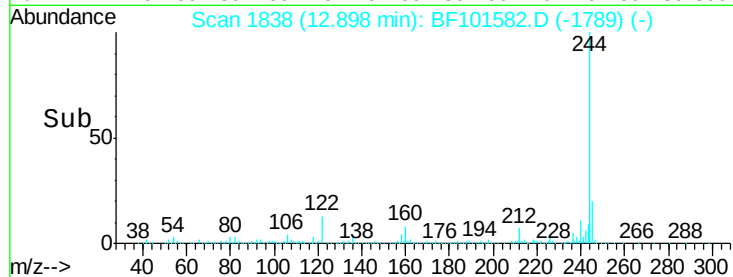
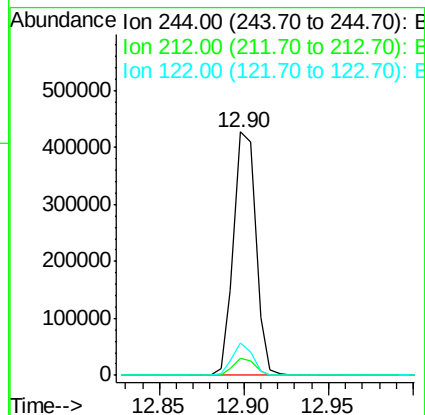
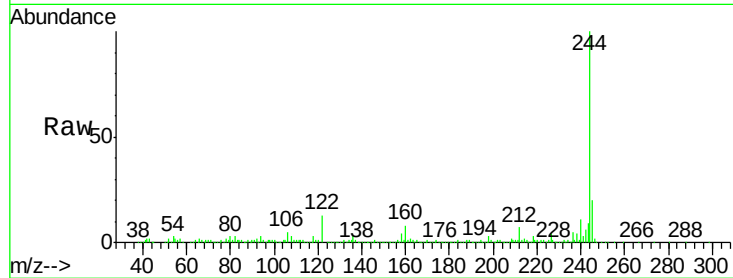
ClientSampleId :

PHMHB-WCS

Tgt Ion:	244	Resp:	395140
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	13.3	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 9.426 ng

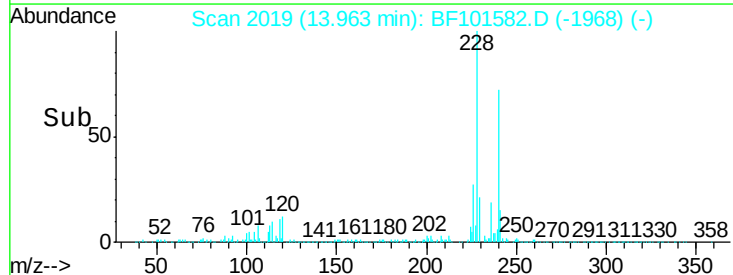
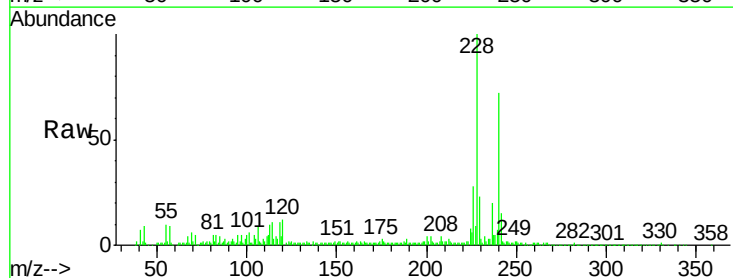
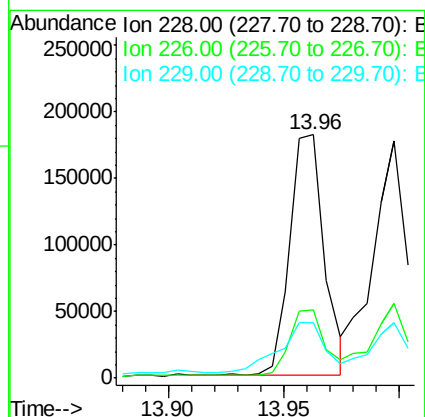
RT: 13.96 min Scan# 2019

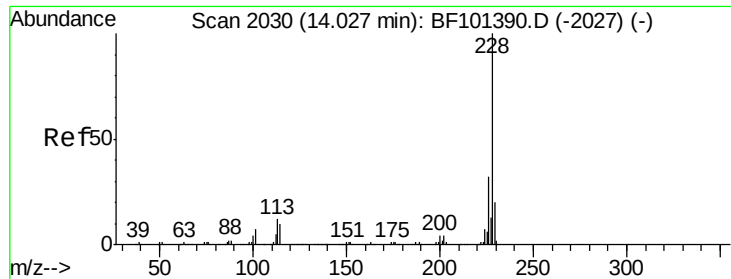
Delta R.T. -0.00 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Tgt Ion:	228	Resp:	189176
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.6	33.8
229	22.9	15.8	23.6





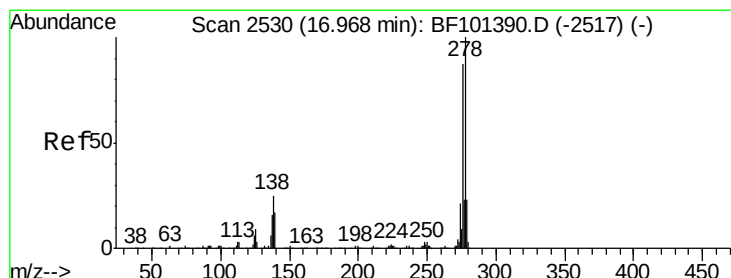
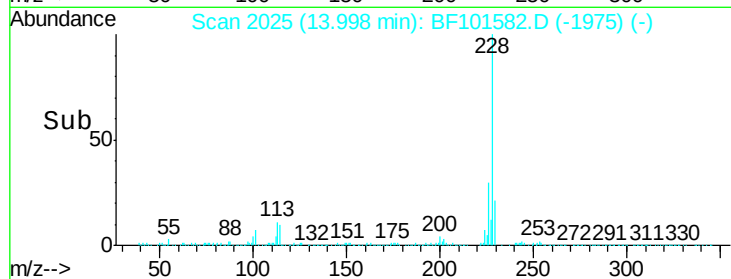
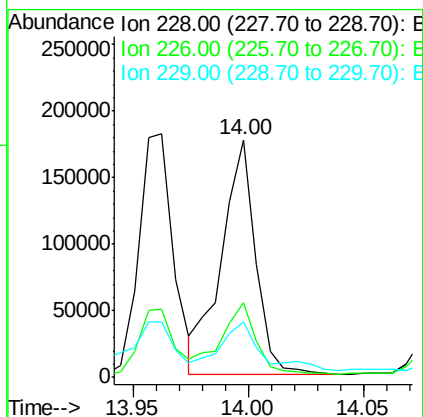
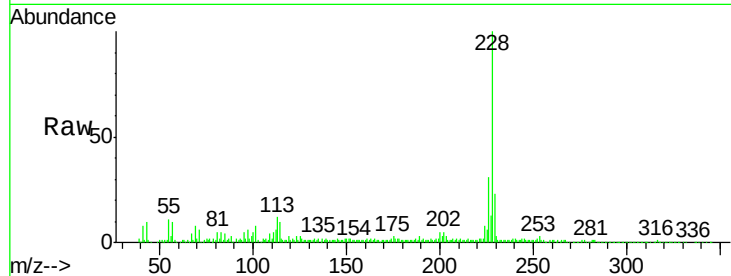
#82
Chrysene
Concen: 9.523 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Instrument :
BNA_F
ClientSampleId :
PHMHB-WCS

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	180453		
226	31.5	25.0	37.6	
229	23.2	16.2	24.4	

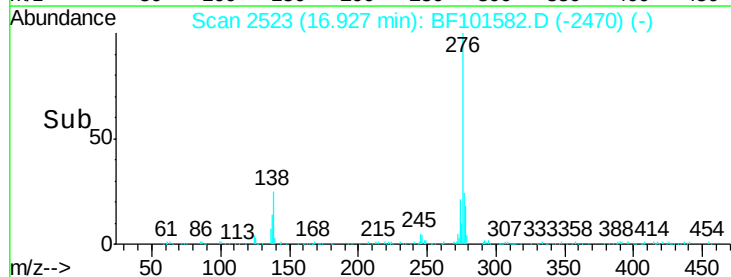
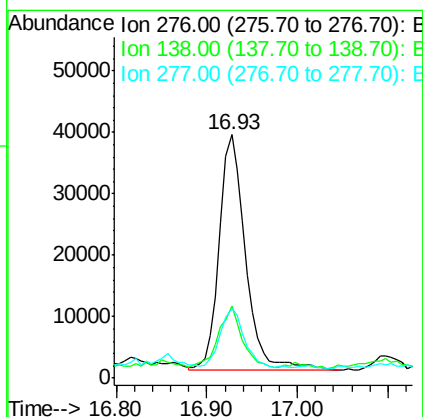
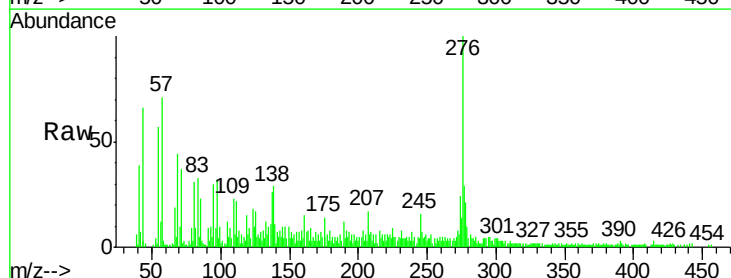
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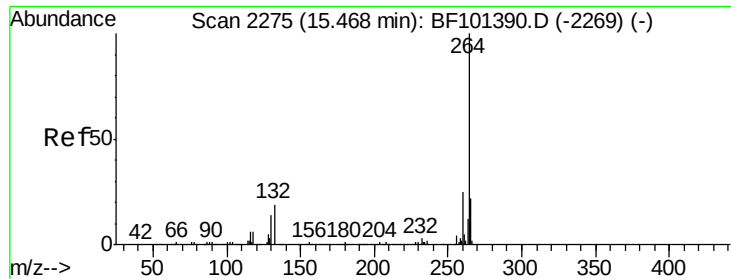
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.615 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.01 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	77875		
138	24.1	25.0	37.6#	
277	23.4	20.1	30.1	





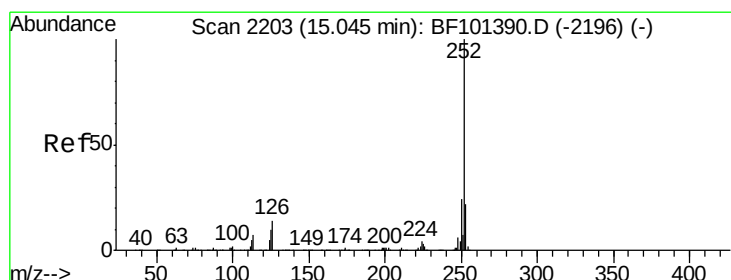
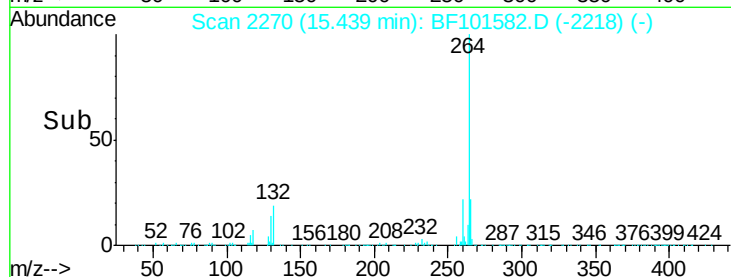
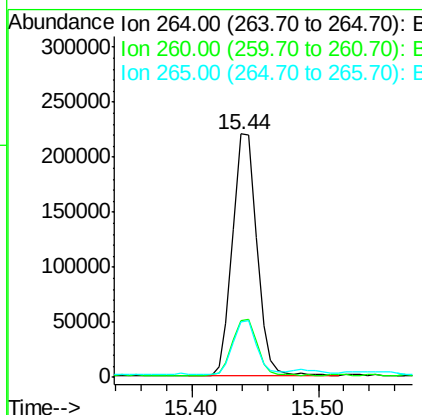
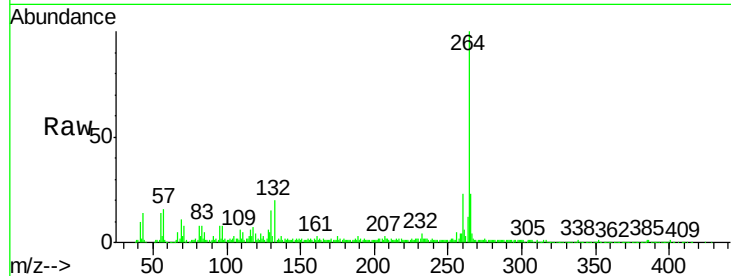
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Instrument :
BNA_F
ClientSampleId :
PHMHB-WCS

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	293770		
260	23.5	19.2	28.8	
265	22.7	17.5	26.3	

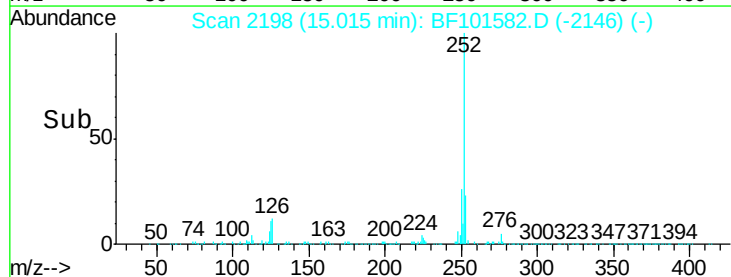
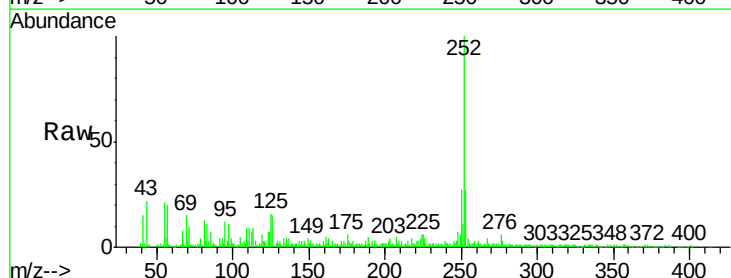
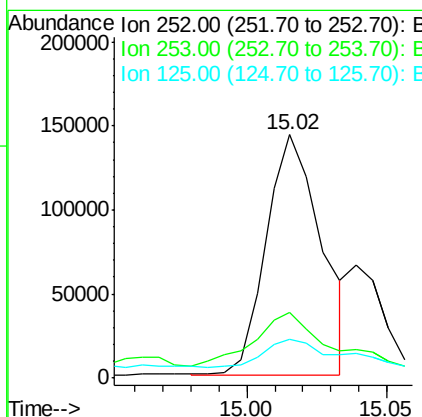
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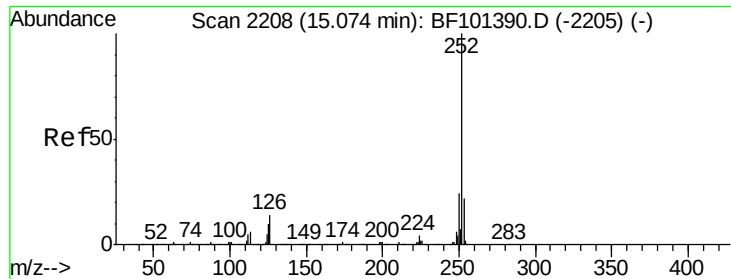
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#87
Benzo(b)fluoranthene
Concen: 11.046 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	197792		
253	26.8	17.0	25.6#	
125	16.2	9.0	13.6#	





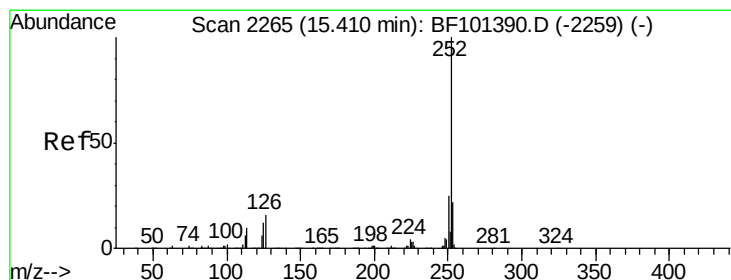
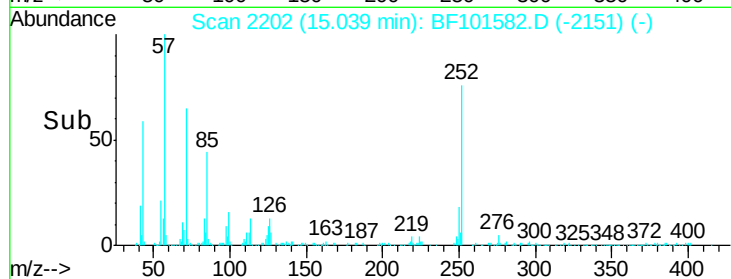
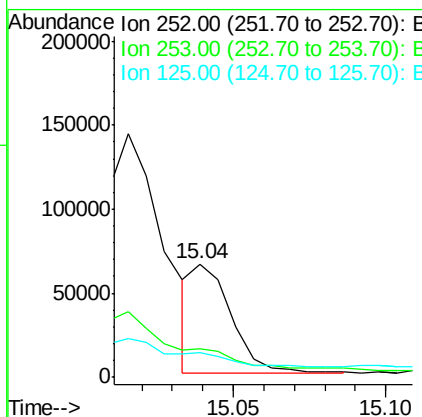
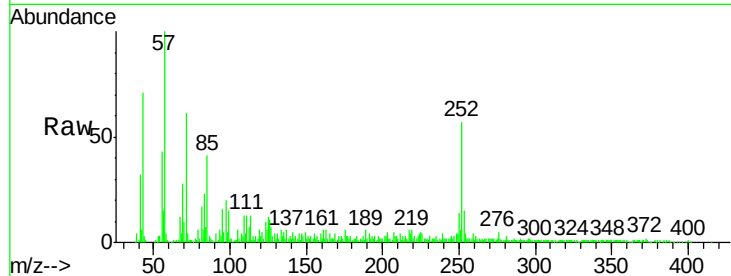
#88
Benzo(k)fluoranthene
Concen: 3.358 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Instrument :
BNA_F
ClientSampled :
PHMHB-WCS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.9	26.9
125	21.7	10.2	15.2

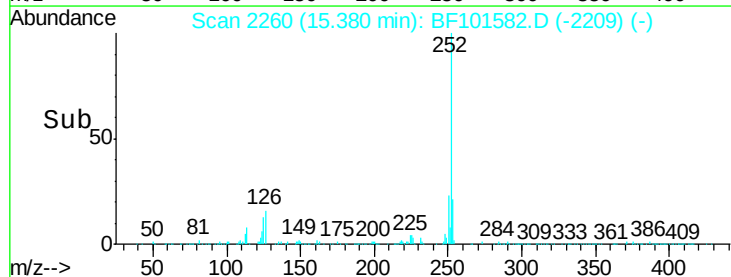
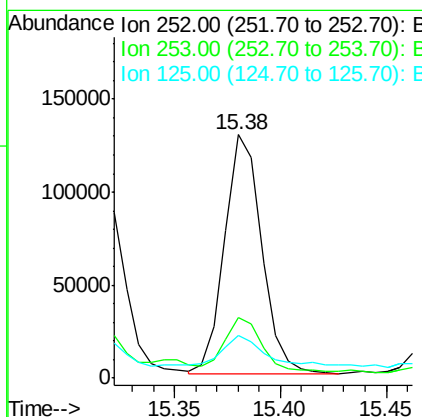
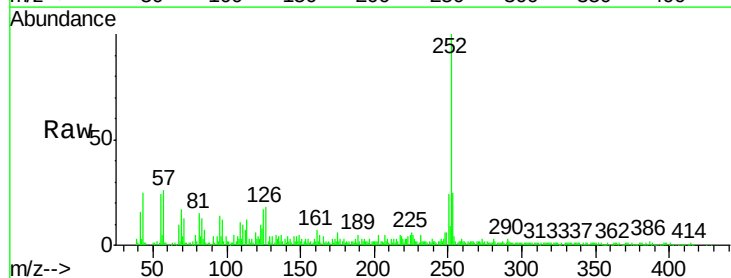
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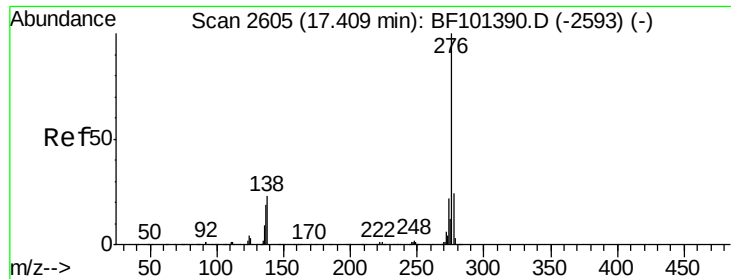
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#89
Benzo(a)pyrene
Concen: 9.532 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.00 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	17.4	9.8	14.6





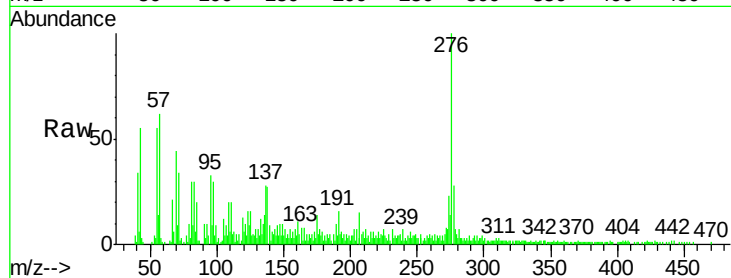
#91
 Benzo(g,h,i)perylene
 Concen: 5.741 ng
 RT: 17.37 min Scan# 2599
 Delta R.T. 0.02 min
 Lab File: BF101582.D
 Acq: 20 Dec 2017 21:47

Instrument :
 BNA_F
 ClientSampleId :
 PHMHB-WCS

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.4	17.9	26.9#
138	27.3	21.8	32.8

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

