

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122017\
 Data File : BF101583.D
 Acq On : 20 Dec 2017 22:14
 Operator : SJ/JU
 Sample : I6981-04 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCD

Manual Integrations
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Quant Time: Dec 21 05:11:18 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	150400	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	583509	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	227074	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	335779	20.00	ng	0.00
75) Chrysene-d12	13.97	240	286002	20.00	ng	0.00
86) Perylene-d12	15.44	264	246771	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	540032	53.49	ng	0.00
7) Phenol-d6	6.43	99	654943	52.12	ng	0.00
23) Nitrobenzene-d5	7.36	82	406439	38.77	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	87654	40.06	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	648114	44.28	ng	0.00
78) Terphenyl-d14	12.90	244	440542	37.13	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.86	154	42548	2.910	ng	98
54) Dibenzofuran	10.04	168	38784	2.087	ng	96
57) Fluorene	10.38	166	40876	2.600	ng	97
70) Phenanthrene	11.35	178	511664	27.401	ng	99
71) Anthracene	11.40	178	154442	8.097	ng	98
72) Carbazole	11.56	167	48218	2.700	ng	98
74) Fluoranthene	12.54	202	645237	32.920	ng	99
77) Pyrene	12.77	202	584013	27.208	ng	99
80) Benzo(a)anthracene	13.96	228	343667	18.198	ng	98
82) Chrysene	14.00	228	272984	15.309	ng	98
83) Bis(2-ethylhexyl)phthalate	13.93	149	29454	2.394	ng	# 93
85) Indeno(1,2,3-cd)pyrene	16.92	276	100623	6.337	ng	# 92
87) Benzo(b)fluoranthene	15.02	252	319244m	21.225	ng	
88) Benzo(k)fluoranthene	15.04	252	90867m	6.213	ng	
89) Benzo(a)pyrene	15.38	252	209710	15.124	ng	95
90) Dibenzo(a,h)anthracene	16.92	278	24603	2.067	ng	# 71
91) Benzo(g,h,i)perylene	17.36	276	97080	8.235	ng	95

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

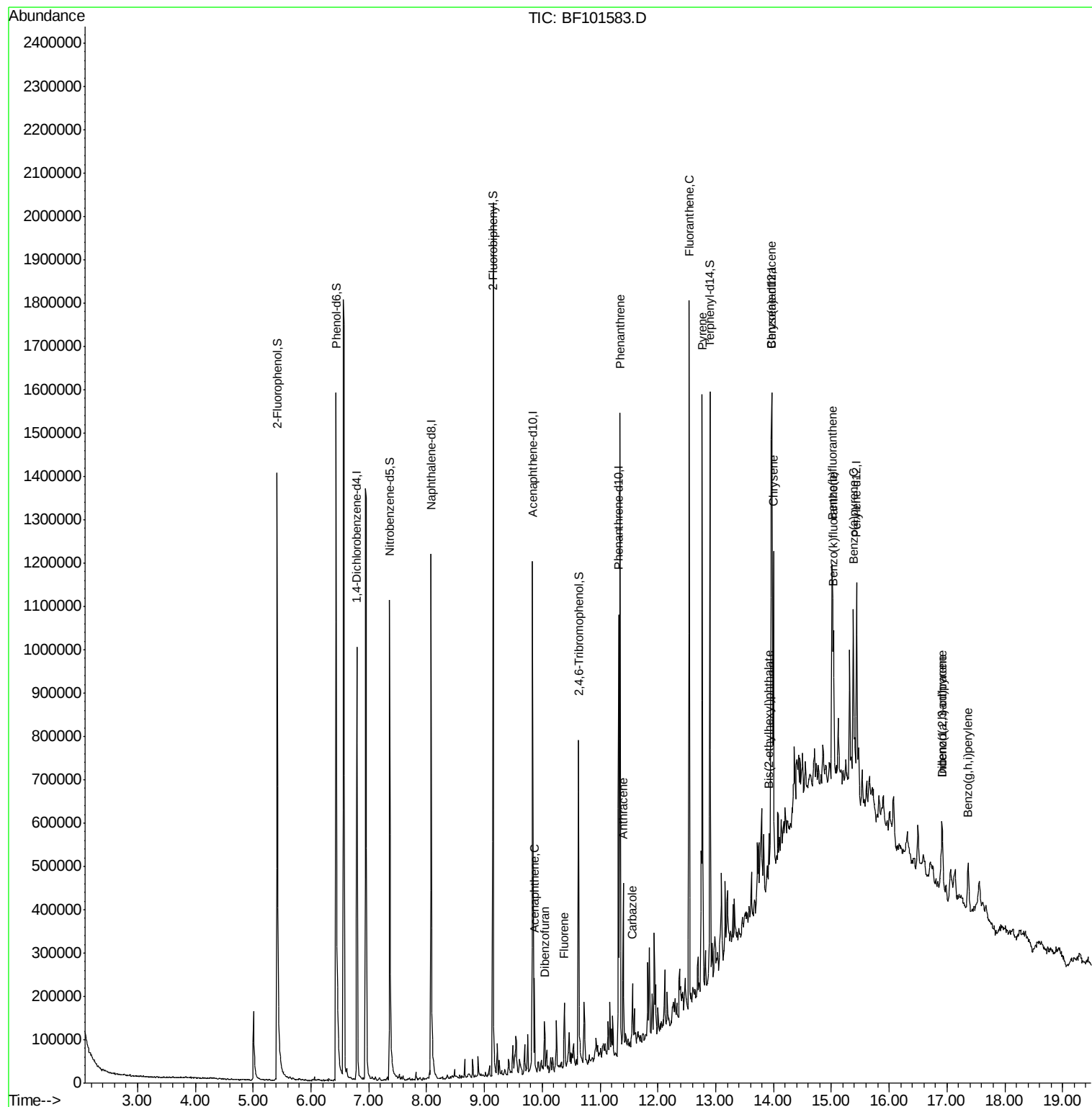
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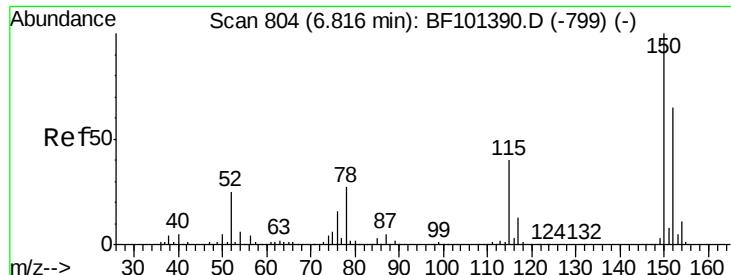
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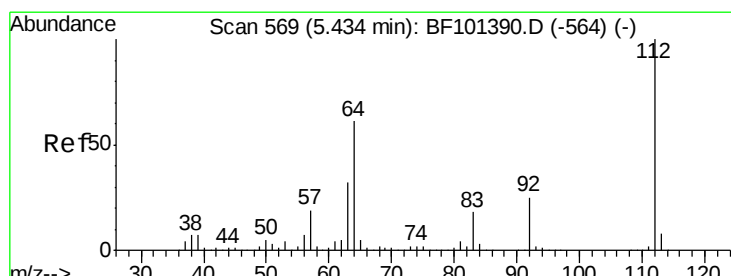
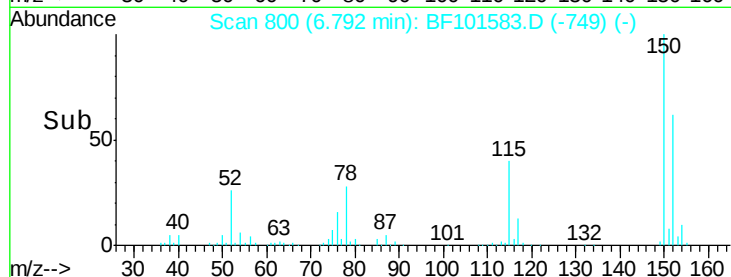
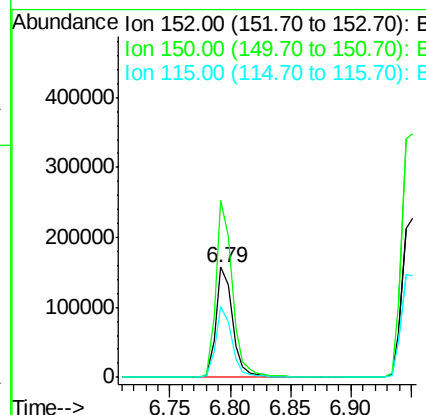
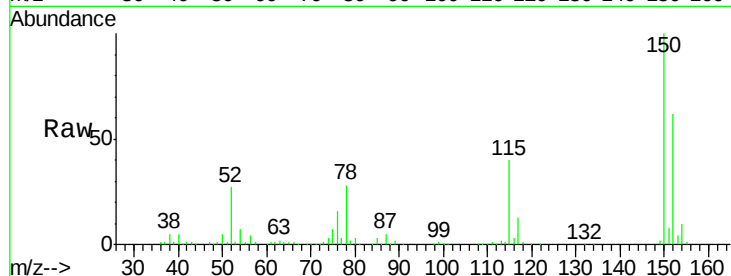
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF101583.D
 Acq: 20 Dec 2017 22:14

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.0	124.6	186.8
115	63.9	50.1	75.1

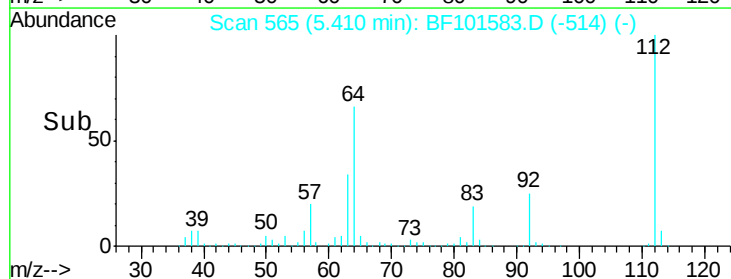
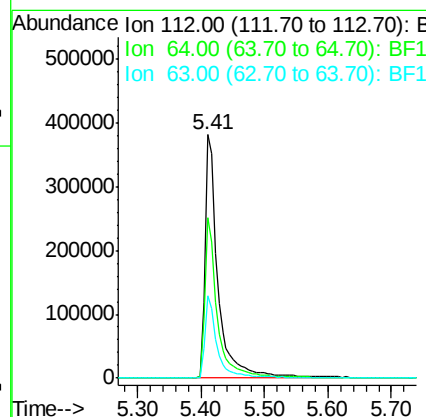
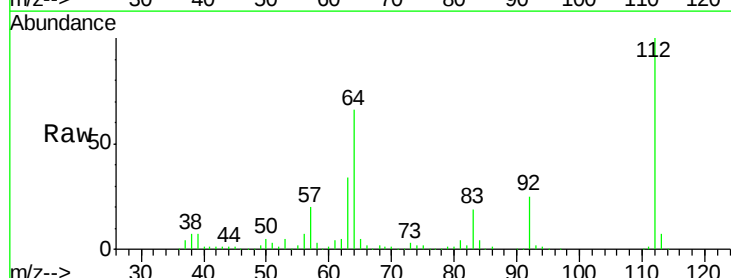
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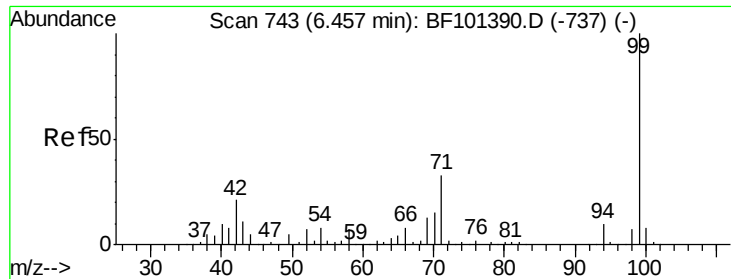
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#5
 2-Fluorophenol
 Concen: 53.485 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: BF101583.D
 Acq: 20 Dec 2017 22:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	47.9	71.9
63	34.1	23.7	35.5





#7

Phenol-d6

Concen: 52.121 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF101583.D

Acq: 20 Dec 2017 22:14

Instrument :

BNA_F

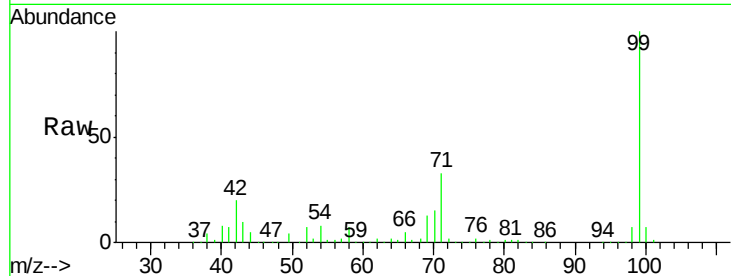
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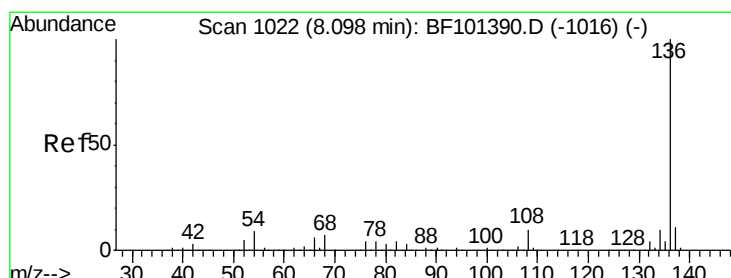
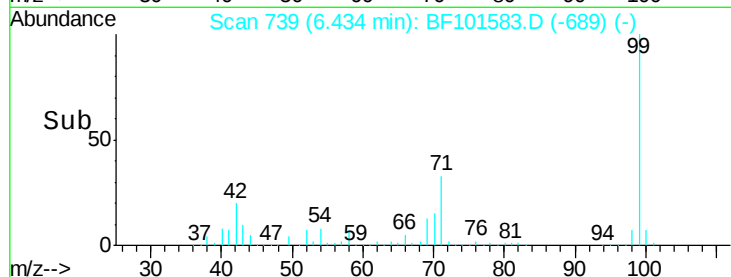
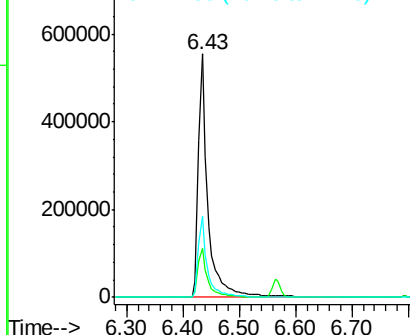
Tgt Ion:	99	Resp:	654943
Ion Ratio	Lower	Upper	
99	100		
42	20.4	14.5	21.7
71	33.3	25.4	38.0

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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: 8.07 min Scan# 1018

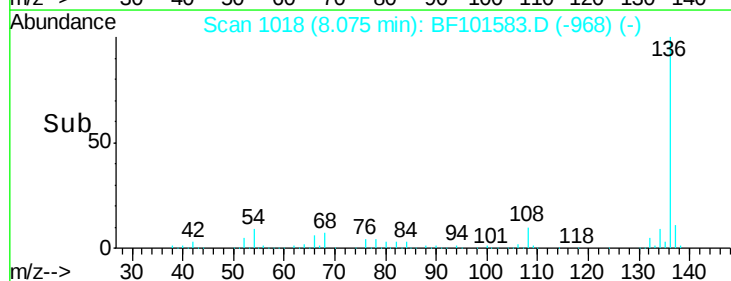
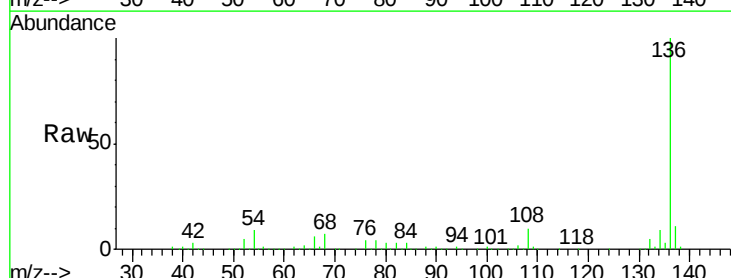
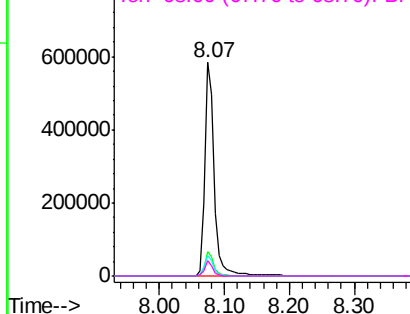
Delta R.T. -0.01 min

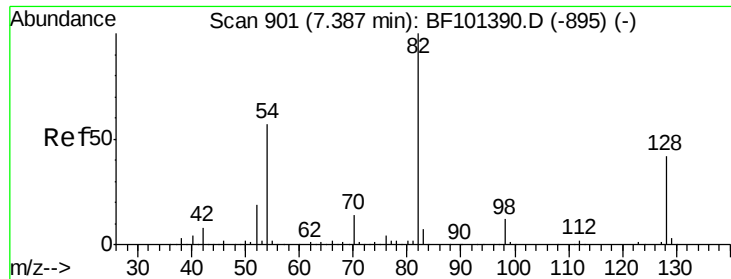
Lab File: BF101583.D

Acq: 20 Dec 2017 22:14

Tgt Ion:	136	Resp:	583509
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	9.5	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





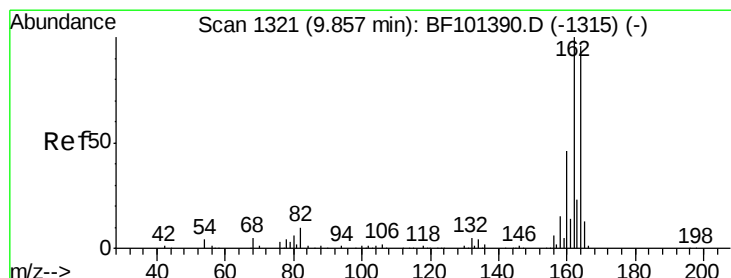
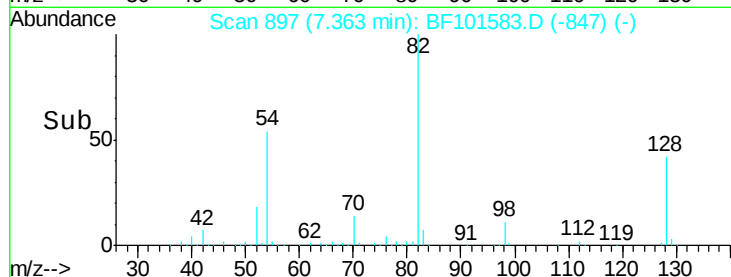
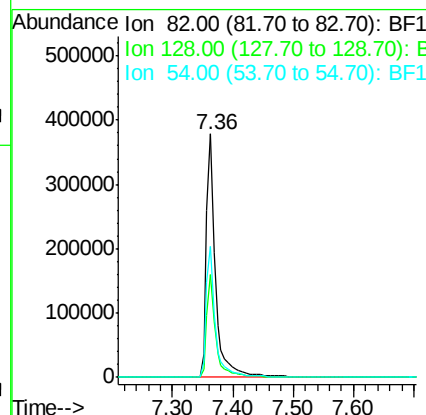
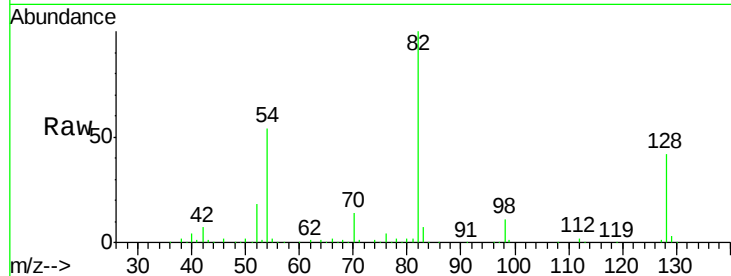
#23
 Nitrobenzene-d5
 Concen: 38.774 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF101583.D
 Acq: 20 Dec 2017 22:14

Instrument :
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 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	406439		
128	42.2	36.1	54.1	
54	54.0	41.4	62.2	

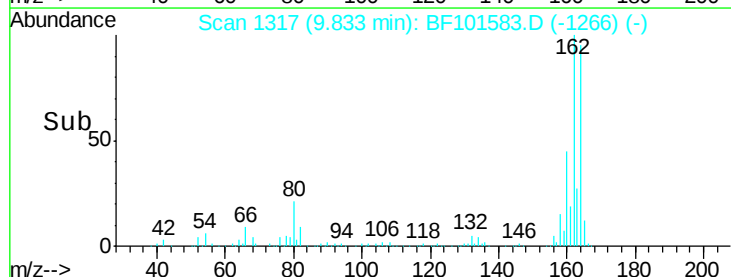
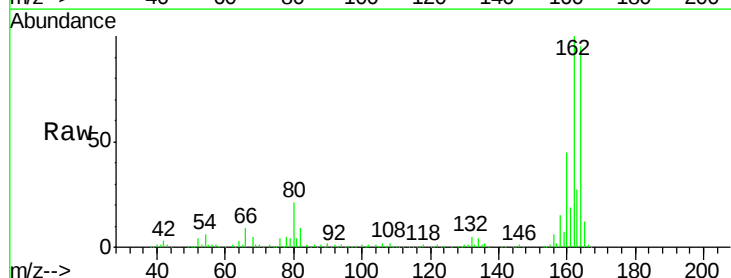
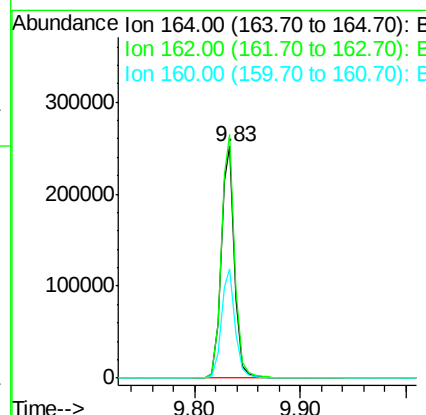
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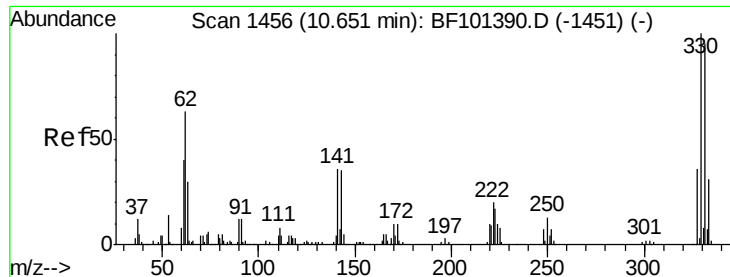
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BF101583.D
 Acq: 20 Dec 2017 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	227074		
162	105.1	86.1	129.1	
160	47.4	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 40.061 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF101583.D

Acq: 20 Dec 2017 22:14

Instrument :

BNA_F

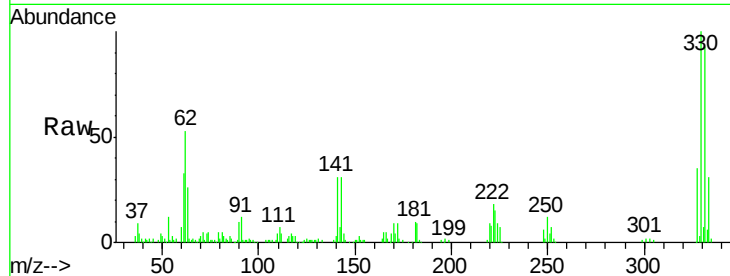
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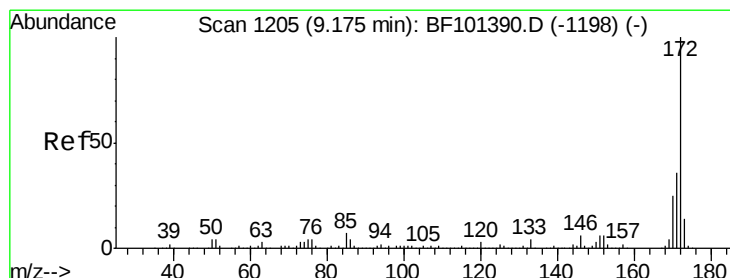
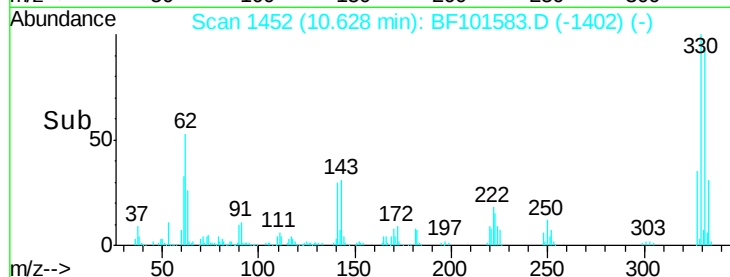
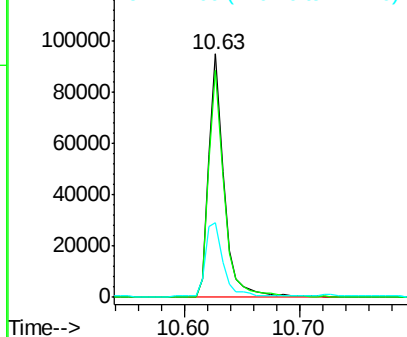
Tgt Ion:	330	Resp:	87654
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.0	115.6
141	38.8	29.9	44.9

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



#44

2-Fluorobiphenyl

Concen: 44.275 ng

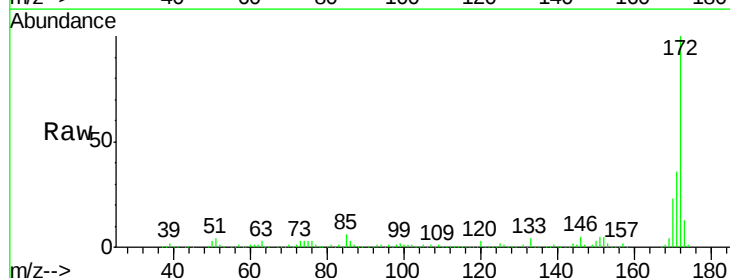
RT: 9.15 min Scan# 1201

Delta R.T. 0.00 min

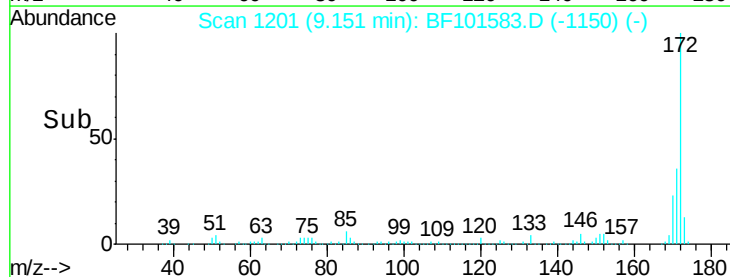
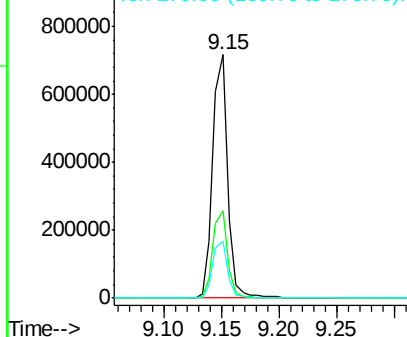
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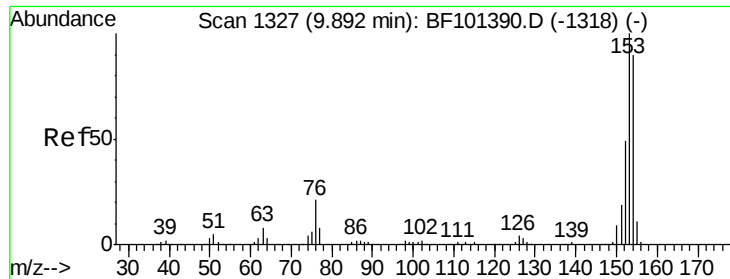
Acq: 20 Dec 2017 22:14

Tgt Ion:	172	Resp:	648114
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.7	44.5
170	23.3	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 2.910 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101583.D

Acq: 20 Dec 2017 22:14

Instrument :

BNA_F

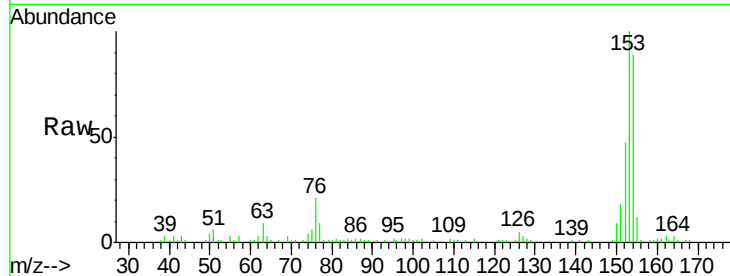
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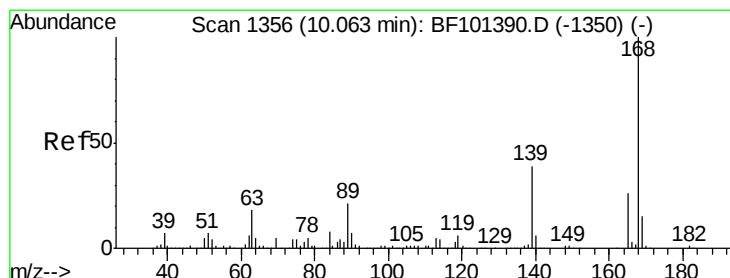
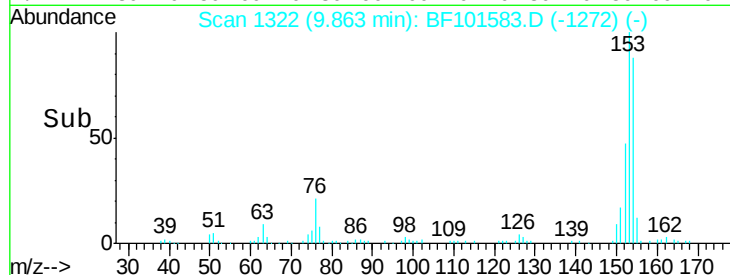
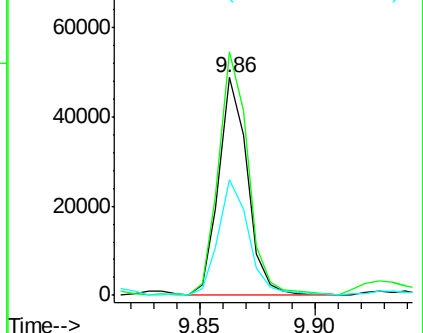
Tgt Ion:	154	Resp:	42548
Ion Ratio	Lower	Upper	
154	100		
153	111.7	91.2	136.8
152	53.0	43.8	65.8

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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



#54

Dibenzofuran

Concen: 2.087 ng

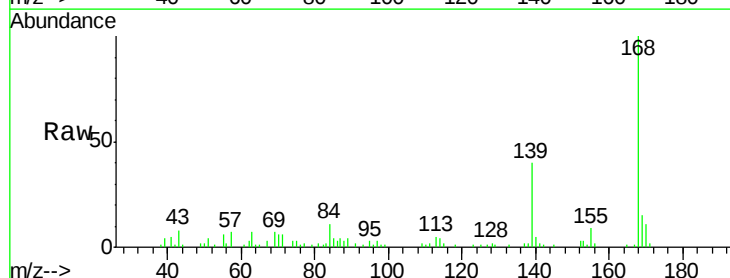
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Delta R.T. 0.00 min

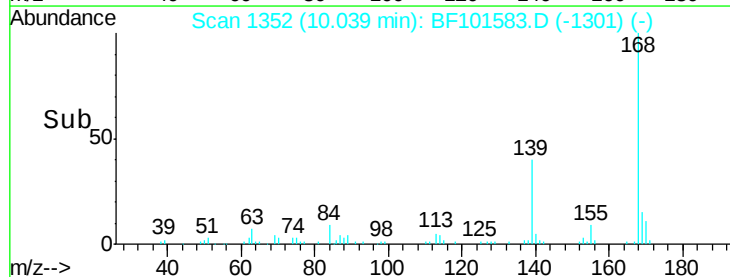
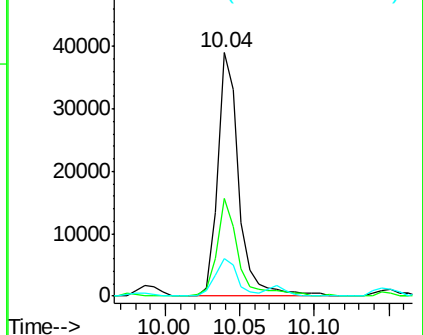
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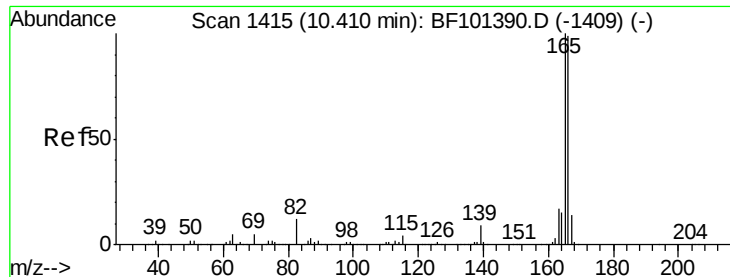
Acq: 20 Dec 2017 22:14

Tgt Ion:	168	Resp:	38784
Ion Ratio	Lower	Upper	
168	100		
139	40.2	30.1	45.1
169	15.5	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





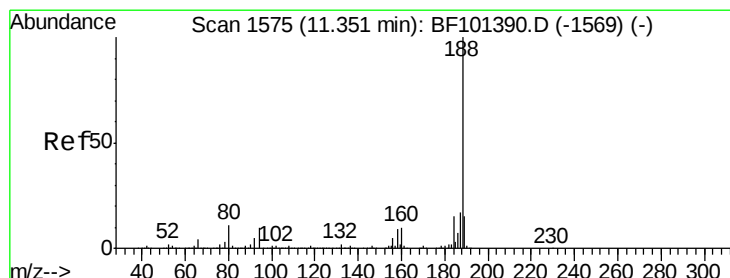
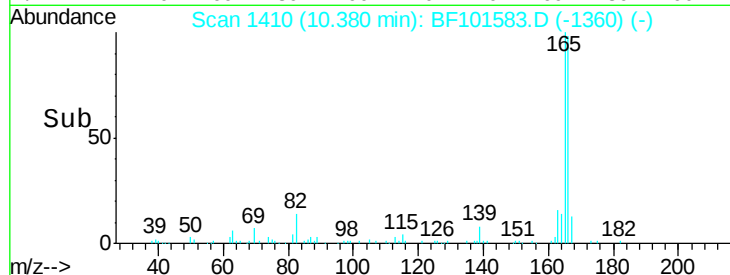
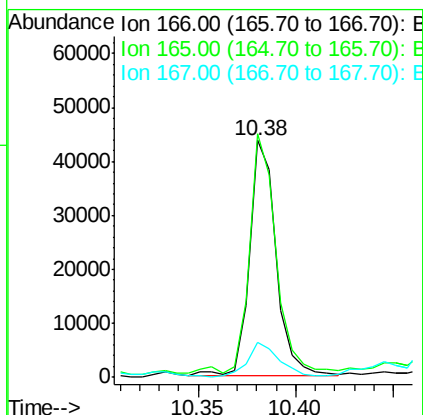
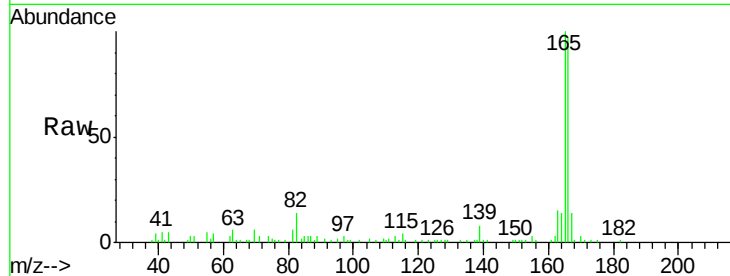
#57
Fluorene
 Concen: 2.600 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF101583.D
 Acq: 20 Dec 2017 22:14

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCD

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	102.8	40876	79.8	119.8
167	14.6		10.6	16.0

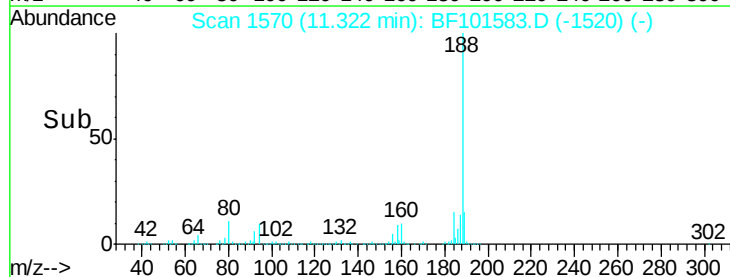
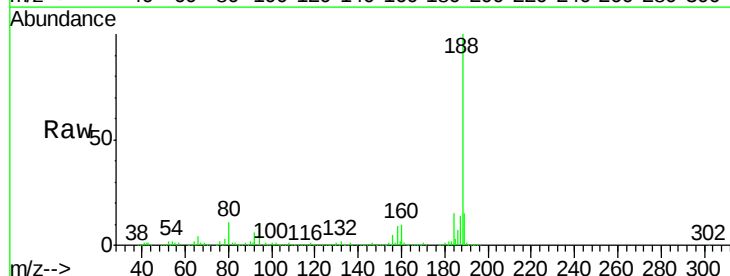
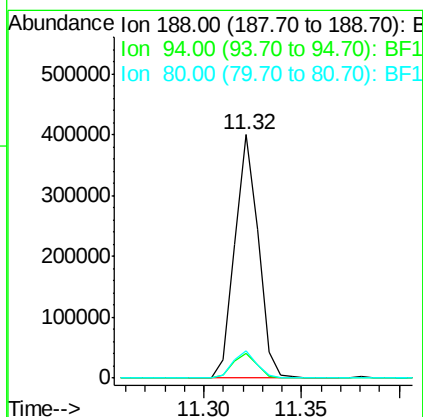
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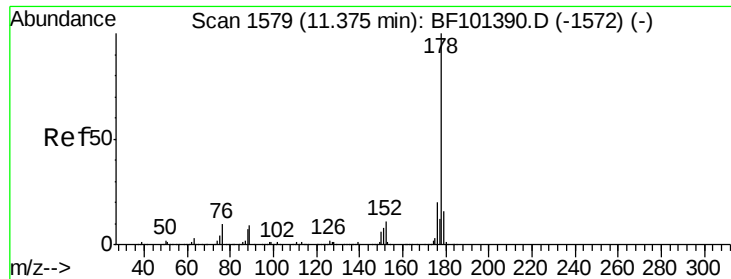
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF101583.D
 Acq: 20 Dec 2017 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	335779		
94	10.1		8.5	12.7
80	11.4		9.2	13.8





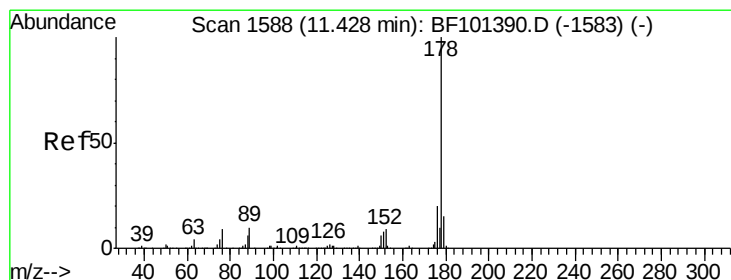
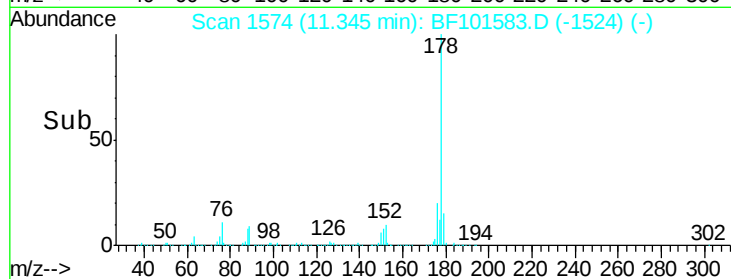
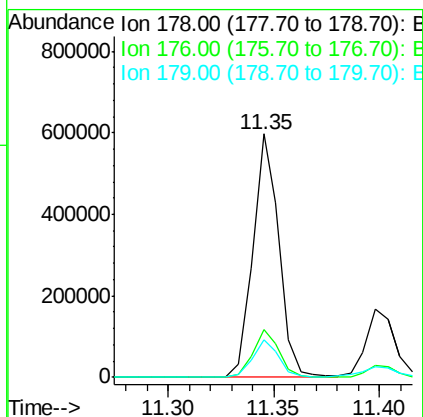
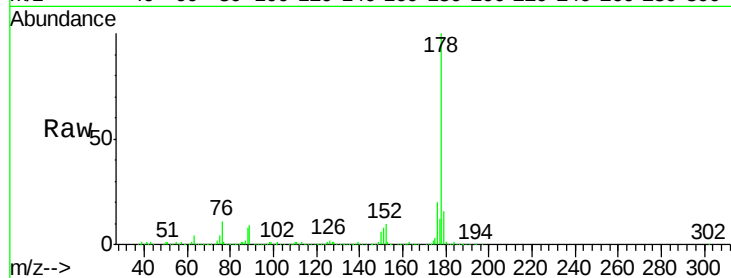
#70
Phenanthrene
Concen: 27.401 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101583.D
Acq: 20 Dec 2017 22:14

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.5	13.0	19.6

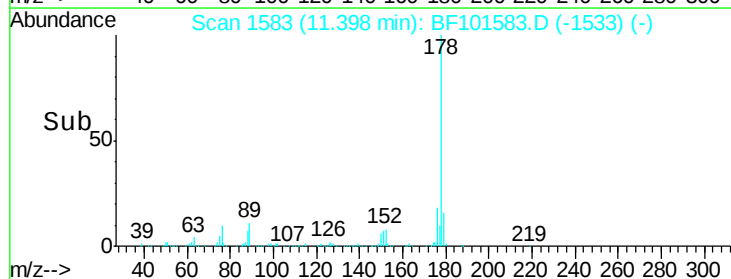
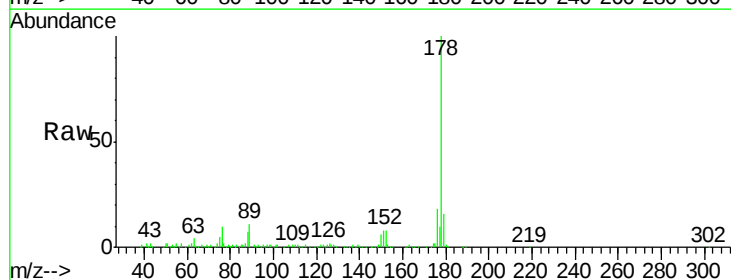
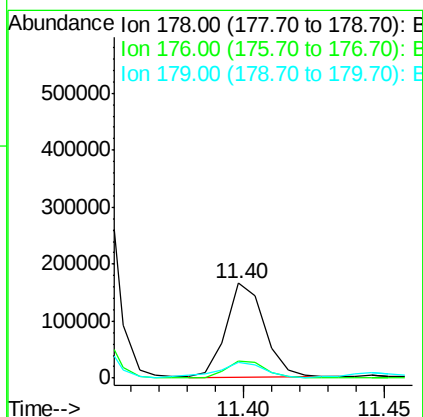
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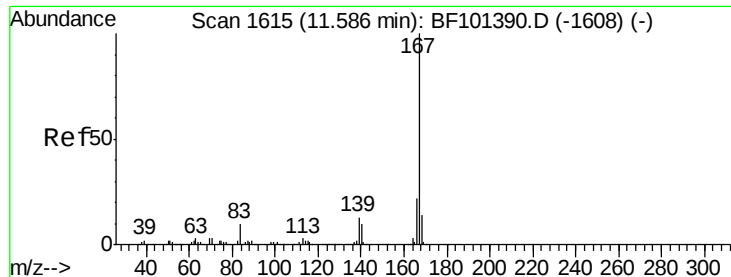
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#71
Anthracene
Concen: 8.097 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101583.D
Acq: 20 Dec 2017 22:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	16.3	12.6	19.0





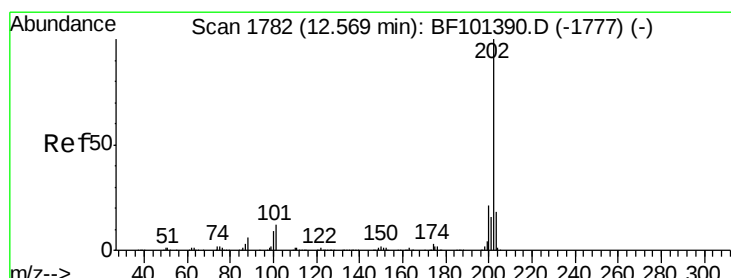
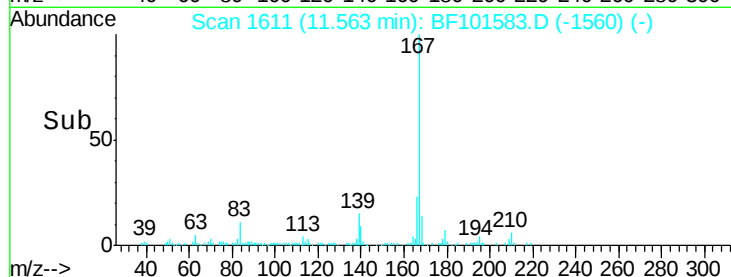
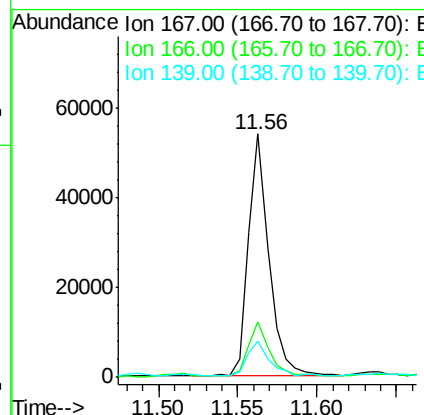
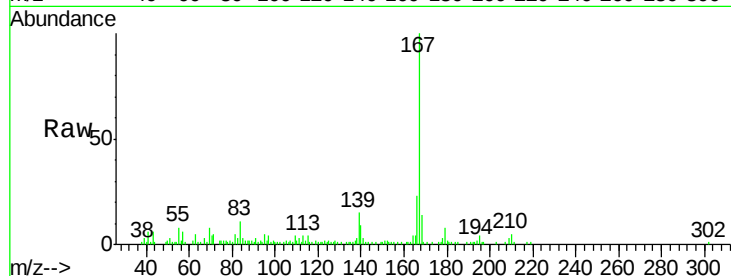
#72
 Carbazole
 Concen: 2.700 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BF101583.D
 Acq: 20 Dec 2017 22:14

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCD

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	48218		
166	22.7		17.6	26.4
139	14.7		10.9	16.3

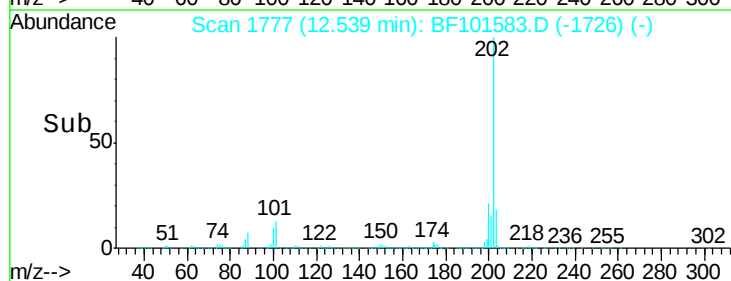
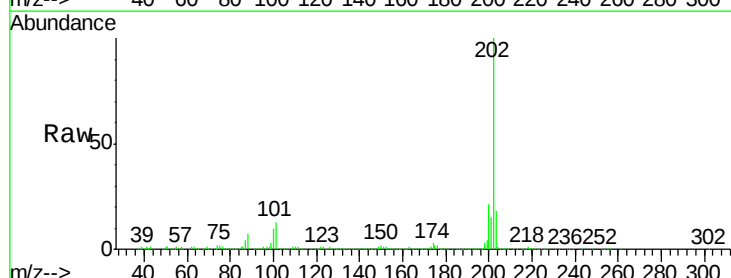
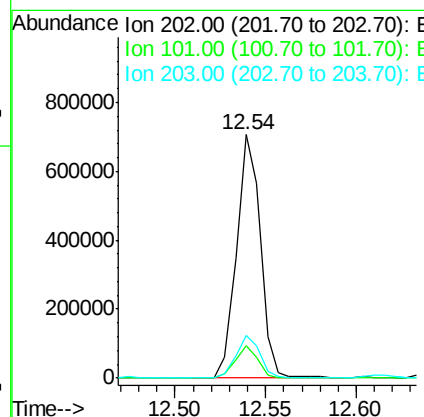
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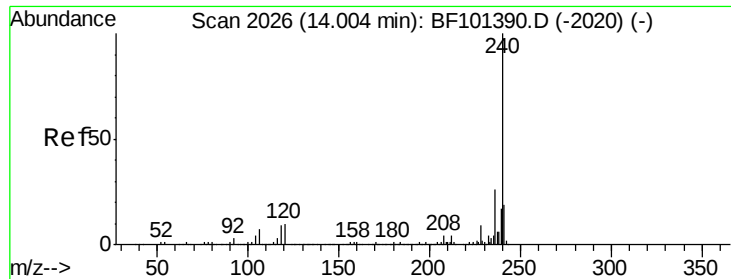
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#74
 Fluoranthene
 Concen: 32.920 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: BF101583.D
 Acq: 20 Dec 2017 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	645237		
101	13.4		0.0	34.1
203	17.6		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: BF101583.D

Acq: 20 Dec 2017 22:14

Instrument :

BNA_F

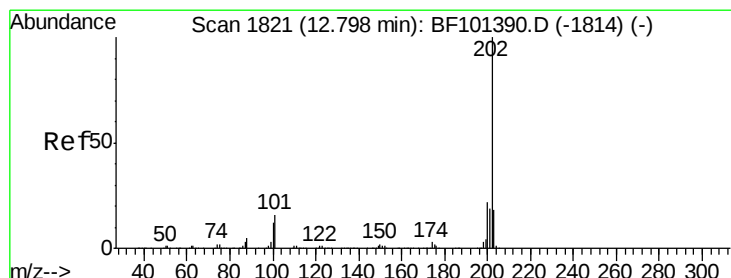
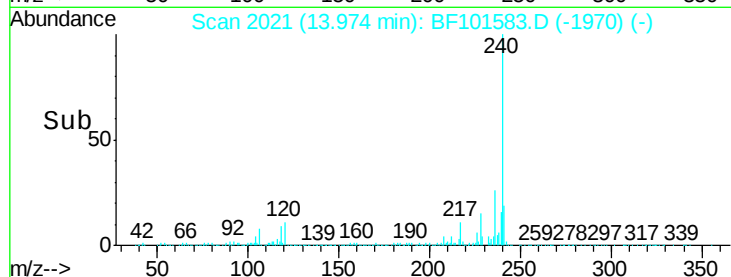
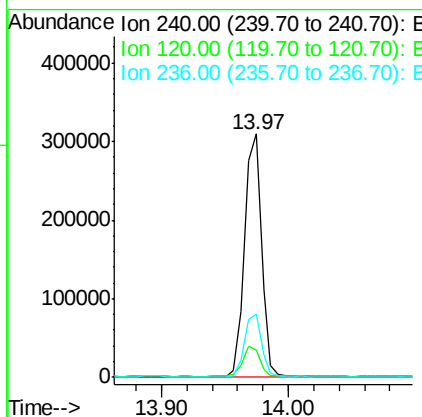
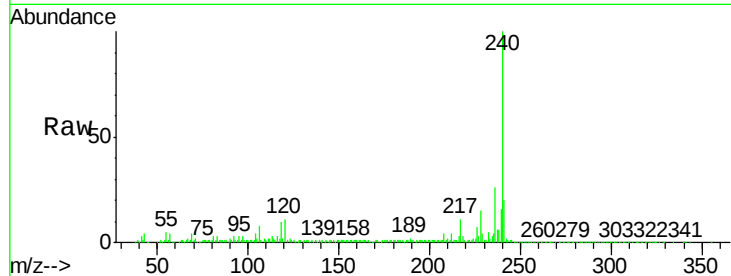
ClientSampleId :

PHMHA-WCD

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	286002		
120	11.0	9.5	14.3	
236	26.0	20.7	31.1	

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#77

Pyrene

Concen: 27.208 ng

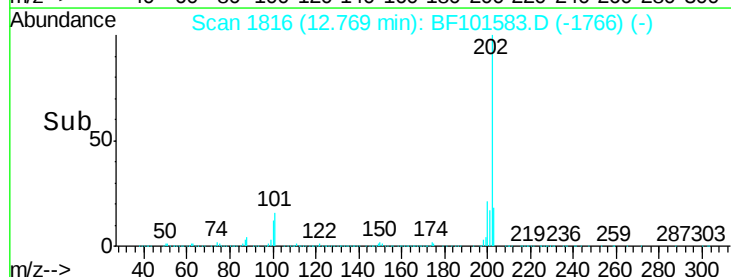
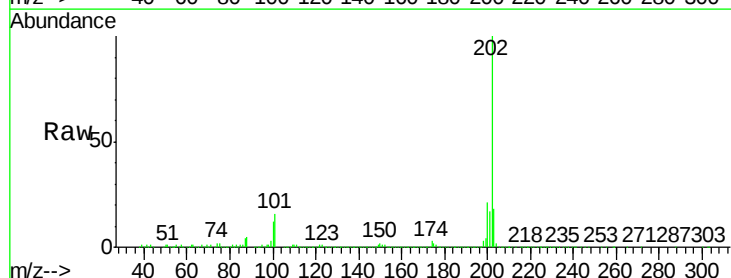
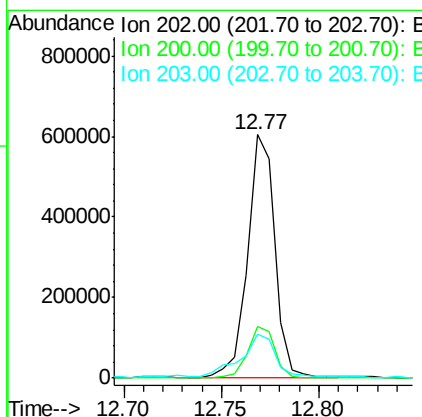
RT: 12.77 min Scan# 1816

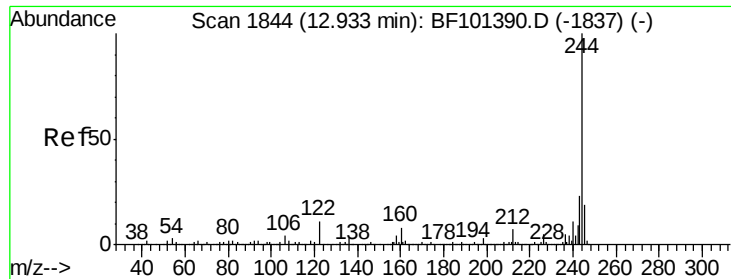
Delta R.T. -0.01 min

Lab File: BF101583.D

Acq: 20 Dec 2017 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	584013		
200	21.2	17.4	26.2	
203	18.0	14.3	21.5	





#78

Terphenyl-d14

Concen: 37.134 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF101583.D

Acq: 20 Dec 2017 22:14

Instrument :

BNA_F

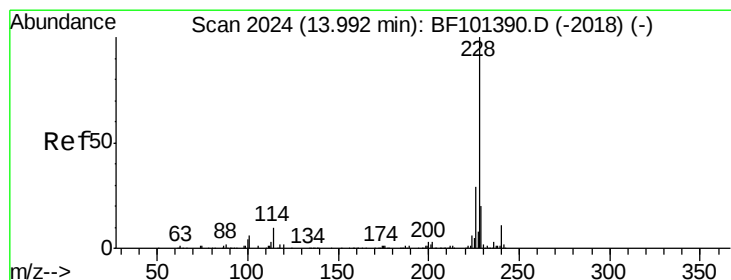
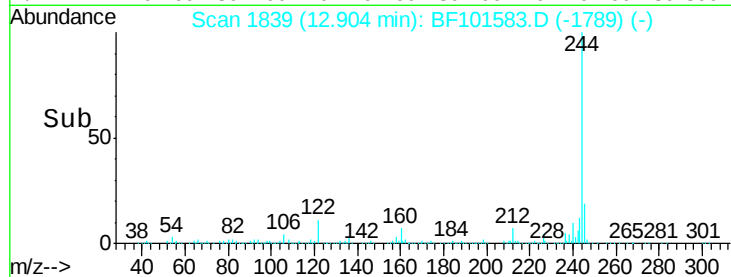
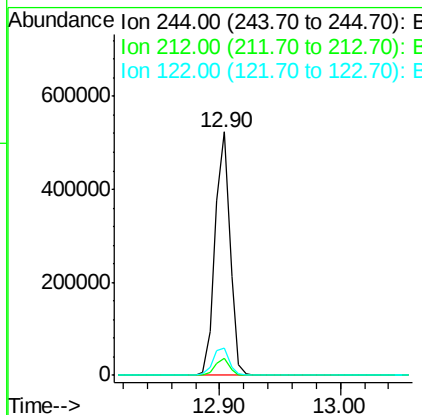
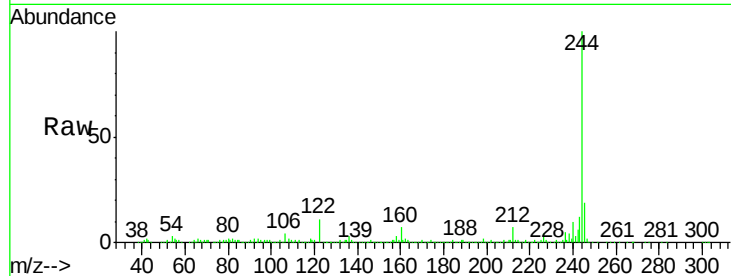
ClientSampleId :

PHMHA-WCD

Tgt Ion:	244	Resp:	440542
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	11.3	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 18.198 ng

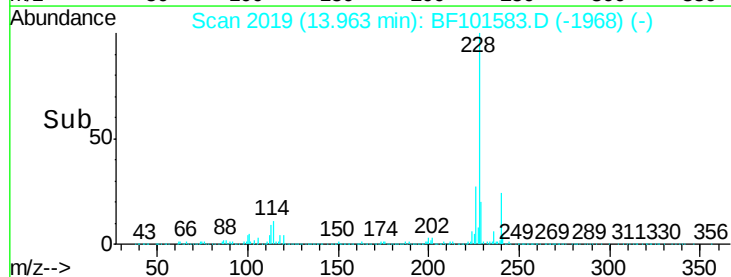
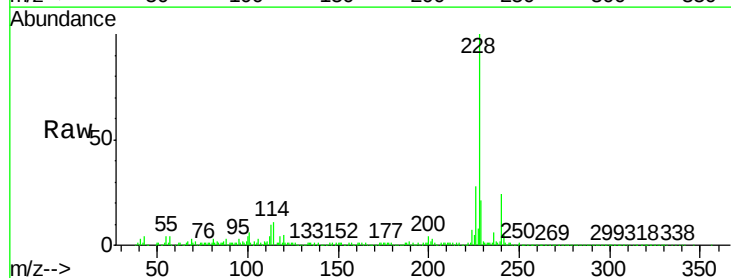
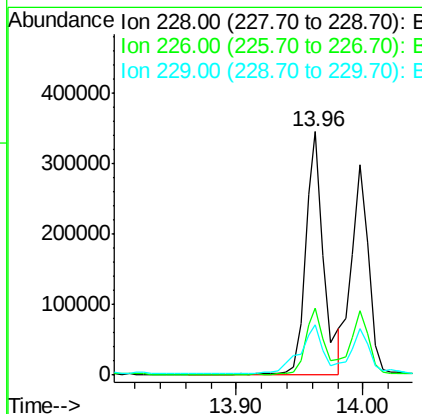
RT: 13.96 min Scan# 2019

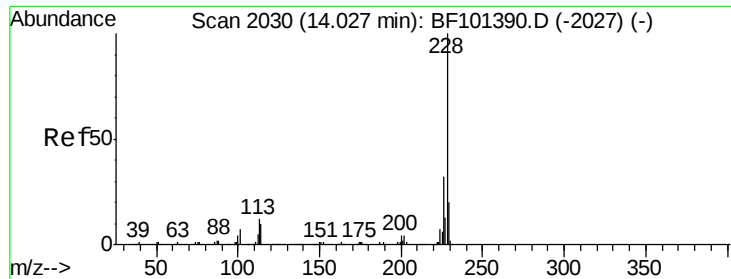
Delta R.T. 0.00 min

Lab File: BF101583.D

Acq: 20 Dec 2017 22:14

Tgt Ion:	228	Resp:	343667
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.6	33.8
229	20.7	15.8	23.6





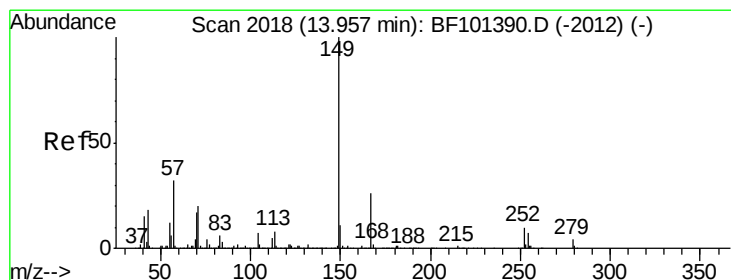
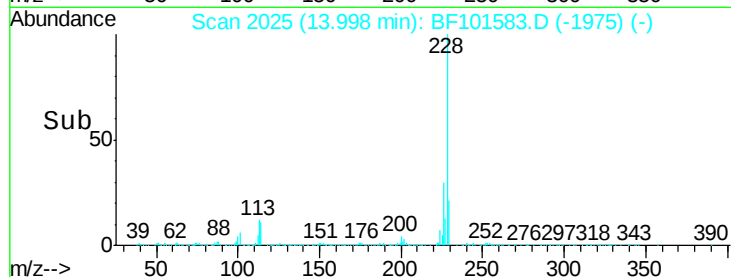
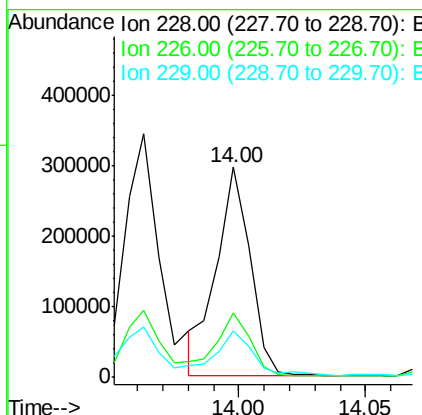
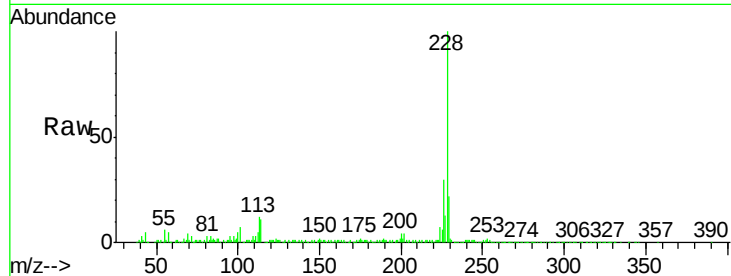
#82
Chrysene
Concen: 15.309 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF101583.D
Acq: 20 Dec 2017 22:14

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCD

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	21.9	16.2	24.4

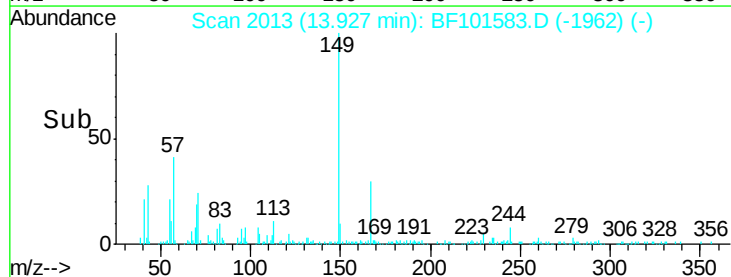
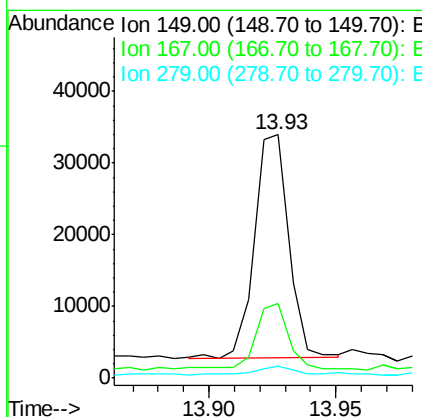
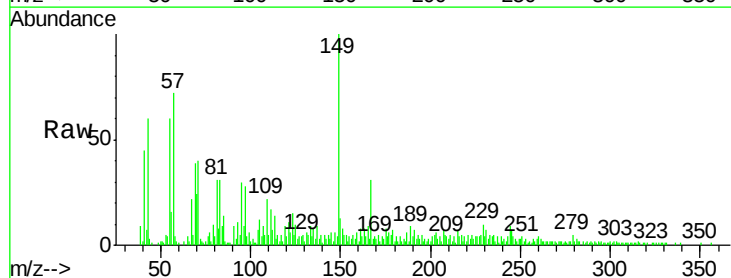
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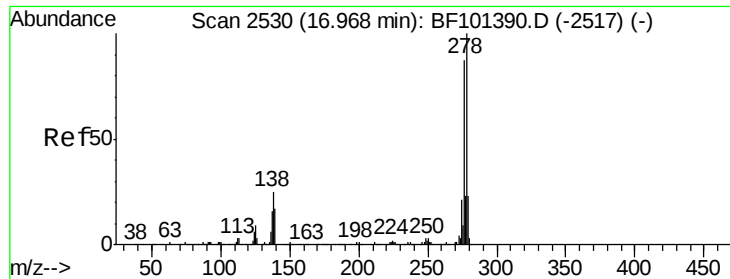
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.394 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF101583.D
Acq: 20 Dec 2017 22:14

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.5	21.3	31.9
279	4.7	3.0	4.4#





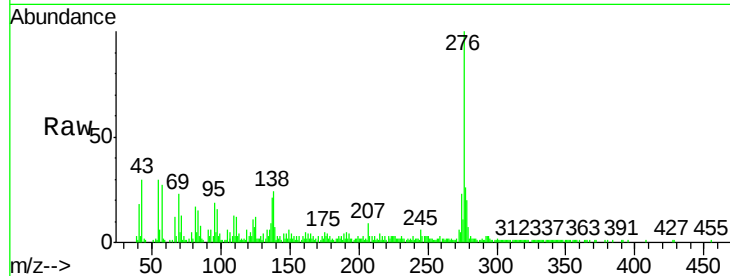
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.337 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.00 min
Lab File: BF101583.D
Acq: 20 Dec 2017 22:14

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCD

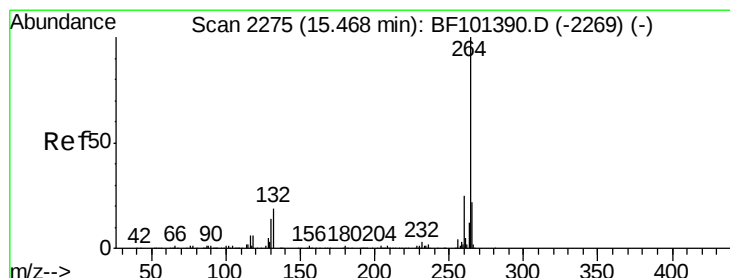
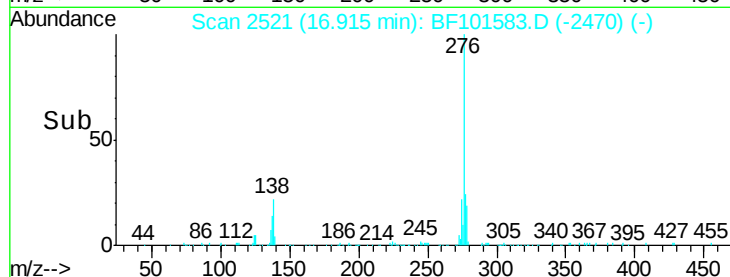
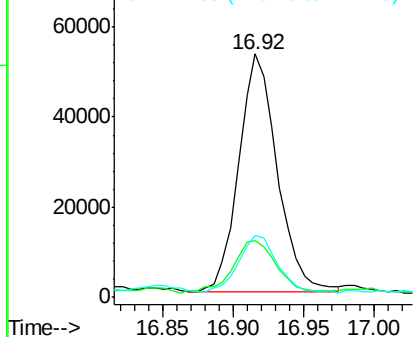
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	100623		
138	24.8	25.0	37.6#	
277	24.0	20.1	30.1	

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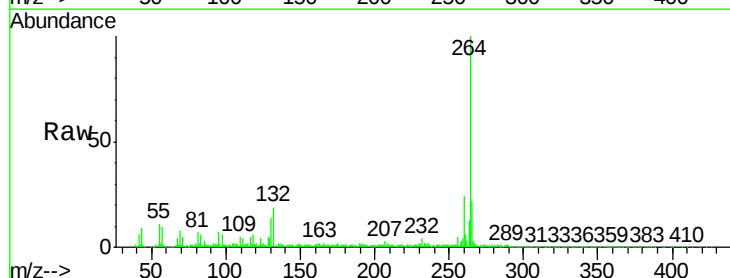


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

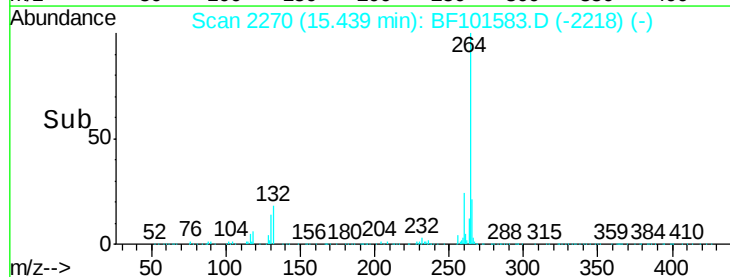
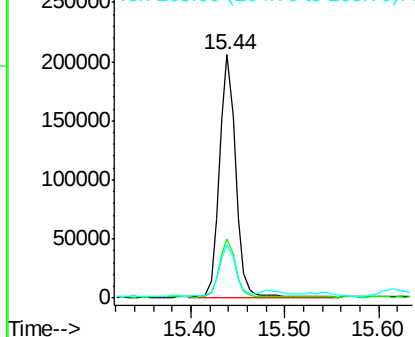


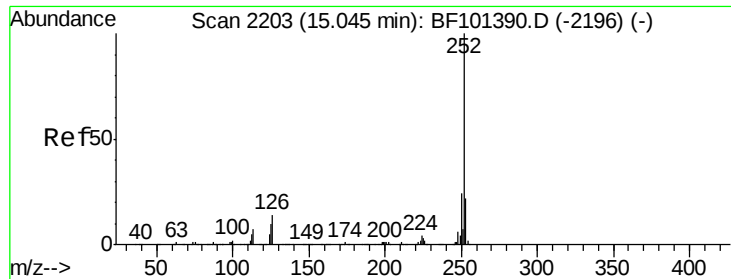
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101583.D
Acq: 20 Dec 2017 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	246771		
260	24.3	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: 21.225 ng m

RT: 15.02 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BF101583.D

Acq: 20 Dec 2017 22:14

Instrument :

BNA_F

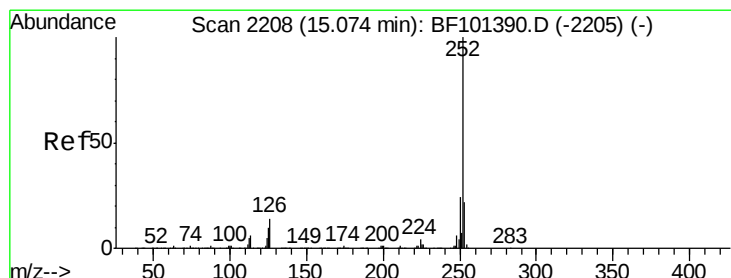
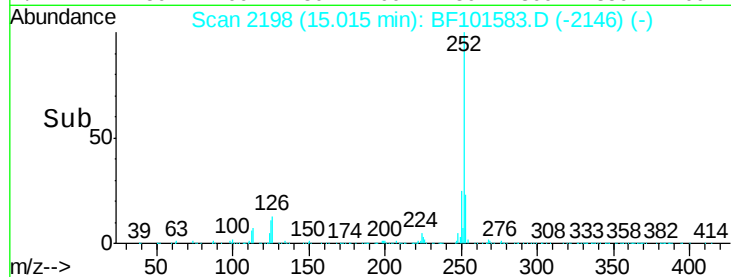
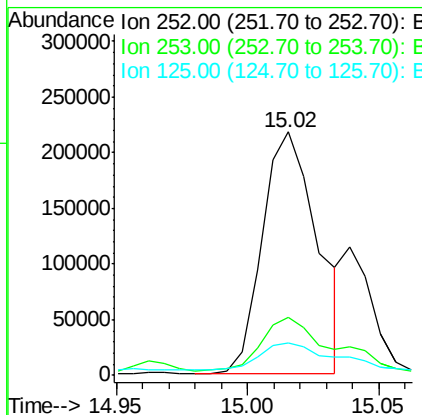
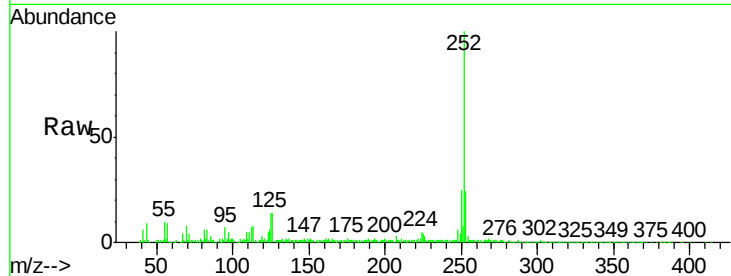
ClientSampled :

PHMHA-WCD

Tgt Ion:	252	Resp:	319244
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.0	25.6
125	13.5	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 6.213 ng m

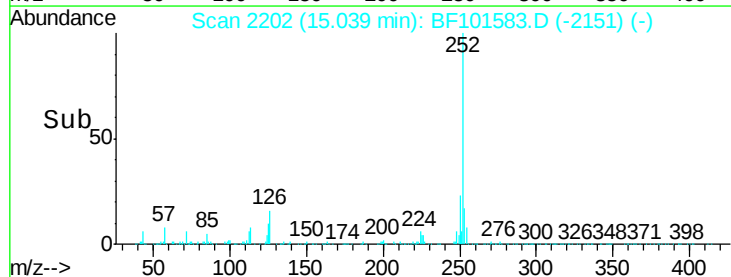
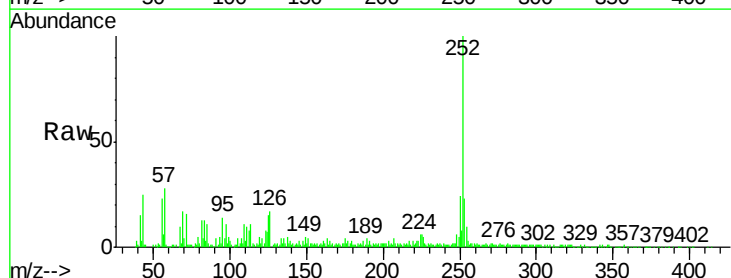
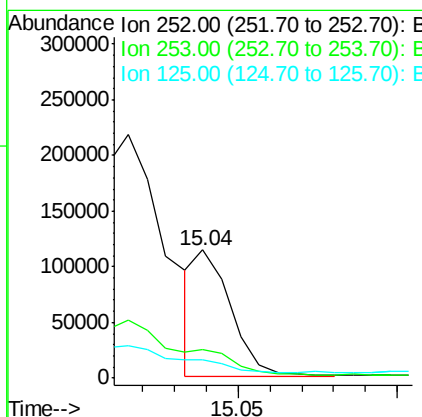
RT: 15.04 min Scan# 2202

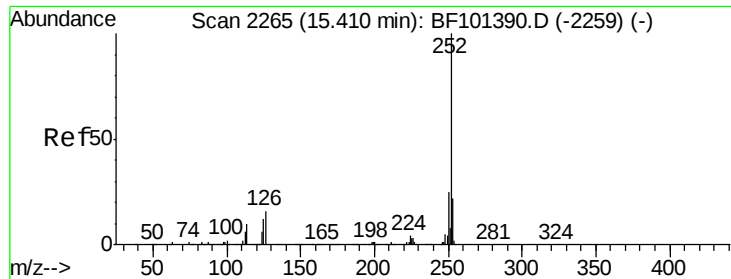
Delta R.T. 0.00 min

Lab File: BF101583.D

Acq: 20 Dec 2017 22:14

Tgt Ion:	252	Resp:	90867
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.9	26.9
125	14.5	10.2	15.2





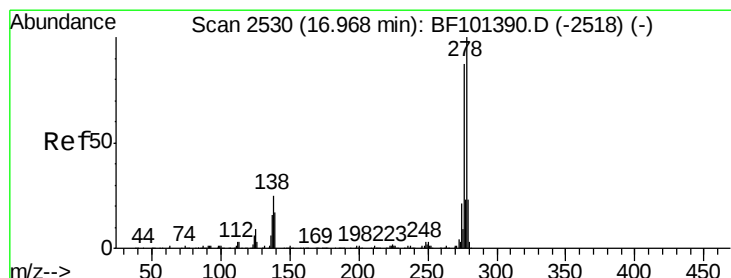
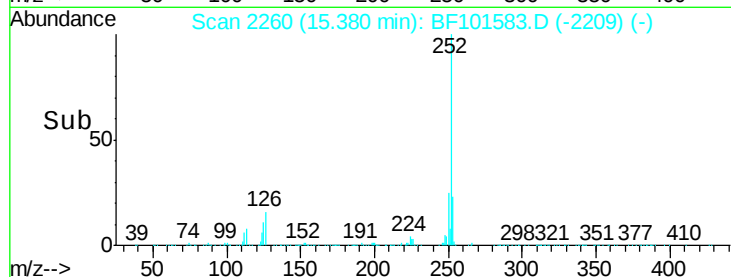
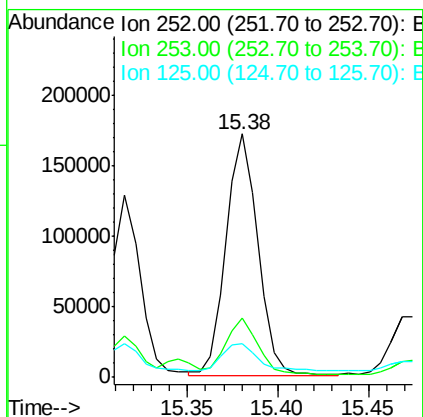
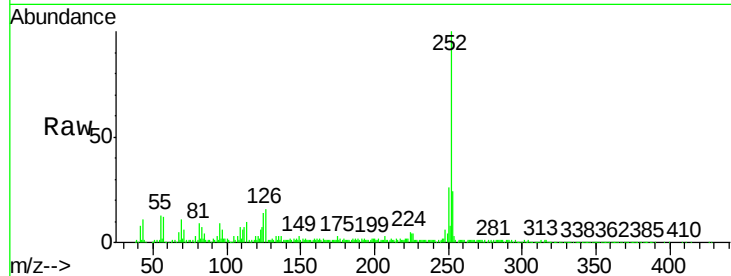
#89
Benzo(a)pyrene
Concen: 15.124 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BF101583.D
Acq: 20 Dec 2017 22:14

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	13.9	9.8	14.6

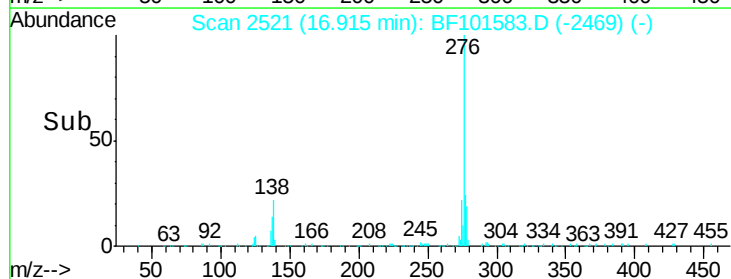
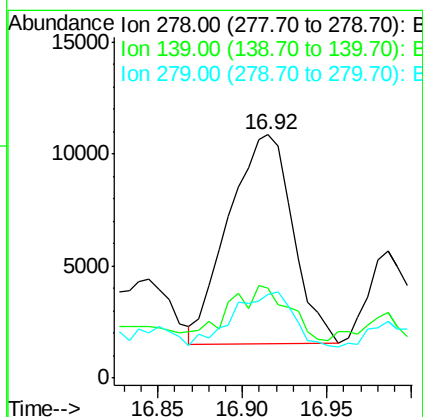
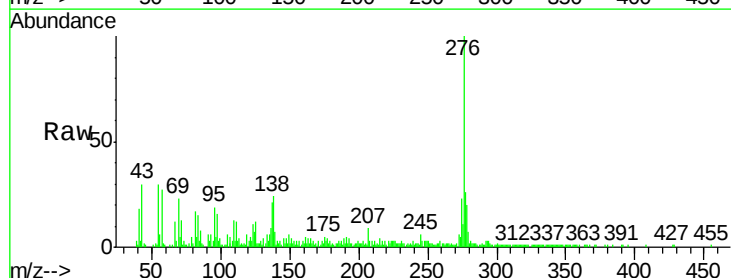
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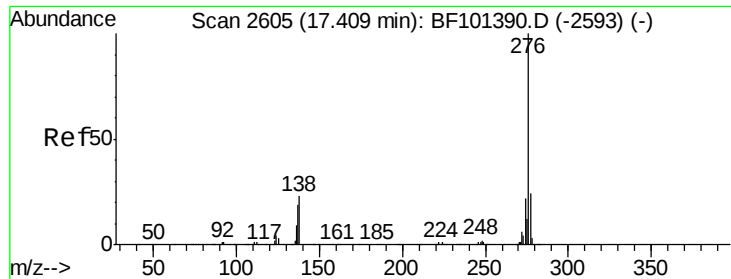
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#90
Dibenzo(a,h)anthracene
Concen: 2.067 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF101583.D
Acq: 20 Dec 2017 22:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	37.0	15.9	23.9#
279	34.1	19.0	28.4#





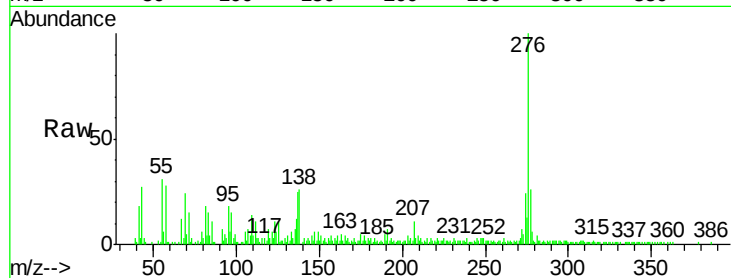
#91
Benzo(g,h,i)perylene
Concen: 8.235 ng
RT: 17.36 min Scan# 2597
Delta R.T. 0.01 min
Lab File: BF101583.D
Acq: 20 Dec 2017 22:14

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCD

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

Manual Integrations
APPROVED

Sohil
12/21/2017 12:07:08 PM



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

