

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101408.D
 Acq On : 14 Dec 2017 22:04
 Operator : SJ/JU
 Sample : I6842-01 100X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-01

Manual Integrations
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Quant Time: Dec 15 01:13:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 15:42:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	178193	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	735120	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	325926	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	600026	20.00	ng	0.00
75) Chrysene-d12	13.99	240	392661	20.00	ng	-0.01
86) Perylene-d12	15.46	264	335368	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	148	0.01	ng	0.09
7) Phenol-d6	6.47	99	1571	0.11	ng	0.02
23) Nitrobenzene-d5	7.40	82	1013	0.08	ng	0.02
41) 2,4,6-Tribromophenol	10.66	330	287	0.09	ng	0.01
44) 2-Fluorobiphenyl	9.17	172	1765	0.08	ng	0.00
78) Terphenyl-d14	12.93	244	2885	0.18	ng	0.00
Target Compounds						
10) Phenol	6.49	94	47959	2.826	ng	95
20) 3+4-Methylphenols	7.25	107	34508	2.813	ng	87
31) Naphthalene	8.12	128	238617	6.448	ng	99
54) Dibenzofuran	10.06	168	89798	3.367	ng	98
57) Fluorene	10.40	166	182819	8.103	ng	100
70) Phenanthrene	11.37	178	1360935	40.785	ng	98
71) Anthracene	11.42	178	666959	19.568	ng	100
72) Carbazole	11.58	167	206690	6.477	ng	99
74) Fluoranthene	12.56	202	1216671	34.737	ng	99
77) Pyrene	12.79	202	921464	31.269	ng	99
80) Benzo(a)anthracene	13.98	228	410962	15.850	ng	99
82) Chrysene	14.02	228	326595	13.341	ng	98
85) Indeno(1,2,3-cd)pyrene	16.94	276	112187	5.146	ng	94
87) Benzo(b)fluoranthene	15.03	252	293099m	14.338	ng	
88) Benzo(k)fluoranthene	15.06	252	115684m	5.821	ng	
89) Benzo(a)pyrene	15.40	252	210581	11.175	ng	98
90) Dibenzo(a,h)anthracene	16.94	278	34692m	2.144	ng	
91) Benzo(g,h,i)perylene	17.39	276	90898	5.674	ng	98

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

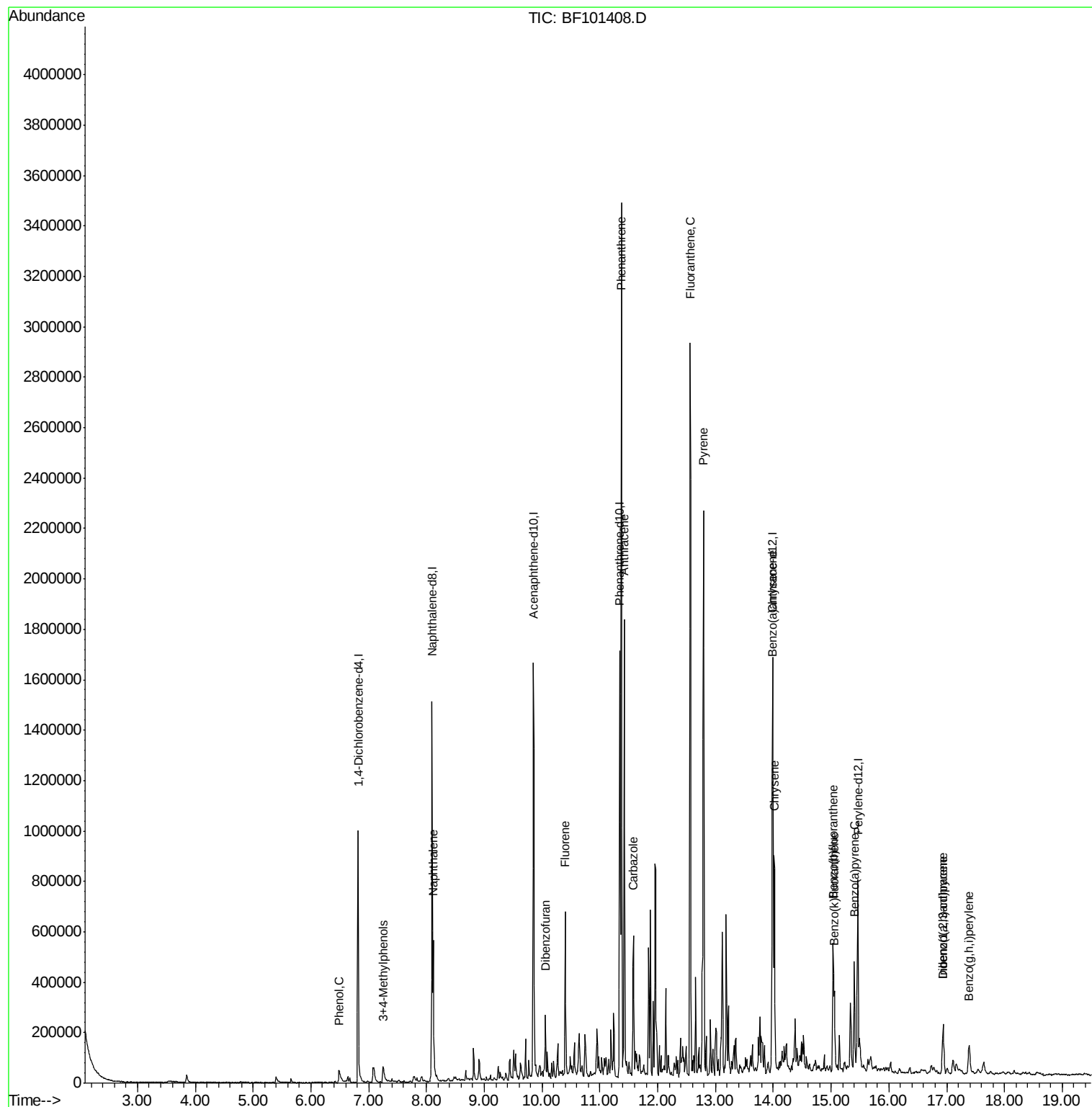
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101408.D
Acq On : 14 Dec 2017 22:04
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Sample : I6842-01 100X
Misc :
ALS Vial : 13 Sample Multiplier: 1

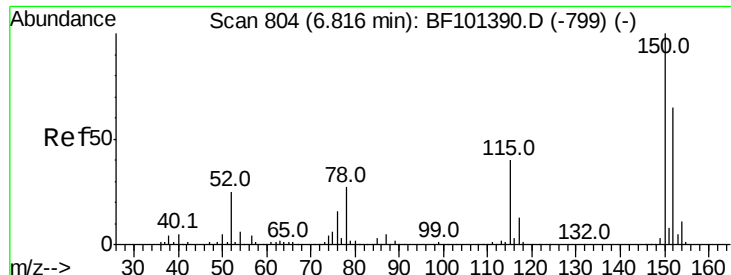
Instrument :
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ClientSampleId :
WC-04-01

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Quant Time: Dec 15 01:13:36 2017
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#1

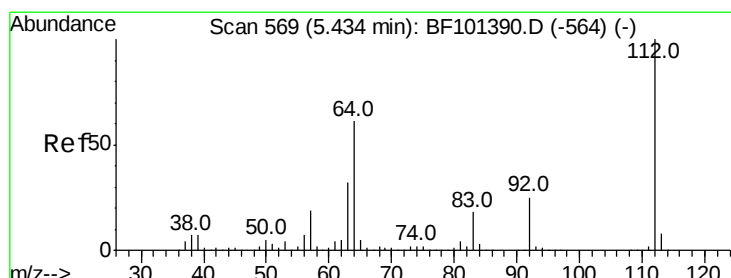
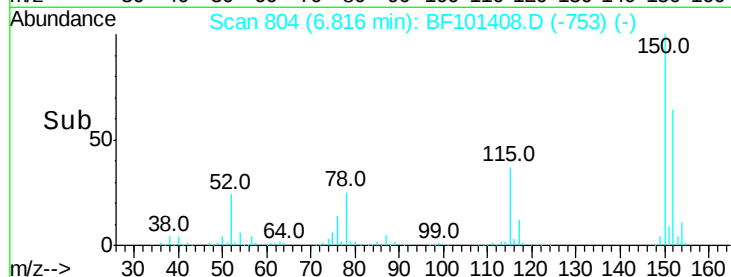
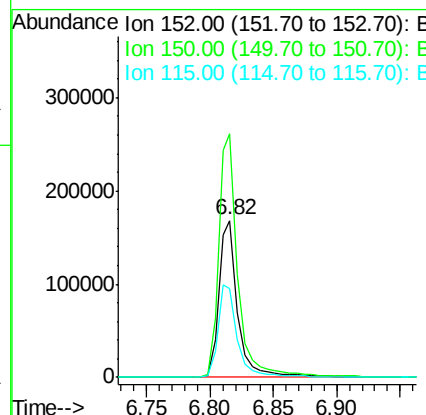
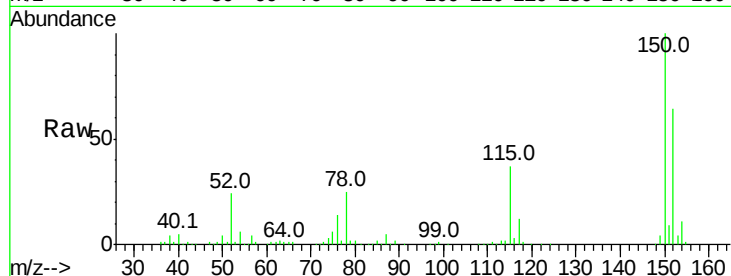
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Instrument :
BNA_F
ClientSampleId :
WC-04-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	57.0	50.1	75.1

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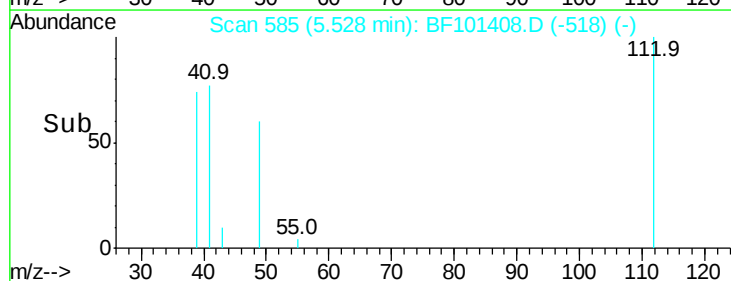
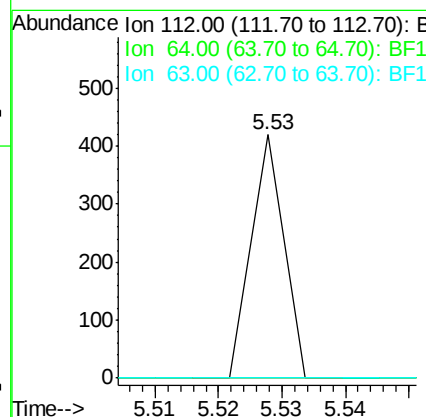
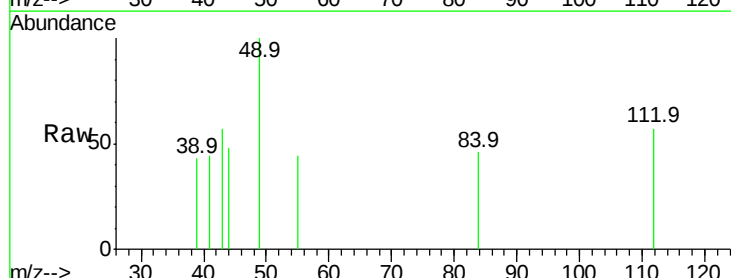
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#5

2-Fluorophenol
Concen: 0.012 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.09 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	47.9	71.9#
63	0.0	23.7	35.5#





#7

Phenol-d6

Concen: 0.106 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.02 min

Lab File: BF101408.D

Acq: 14 Dec 2017 22:04

Instrument :

BNA_F

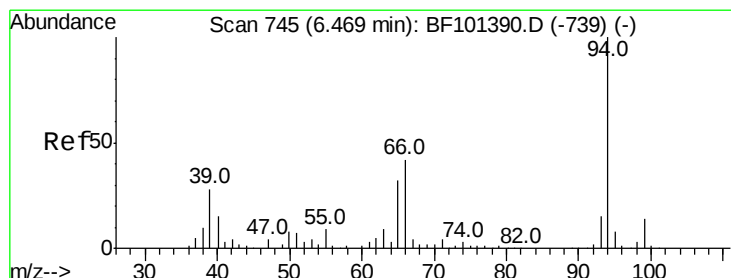
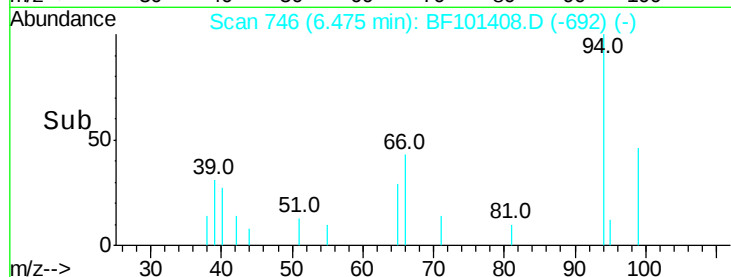
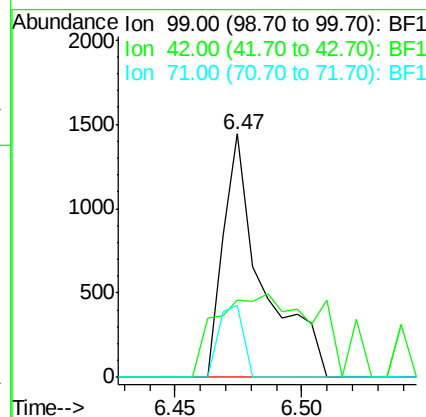
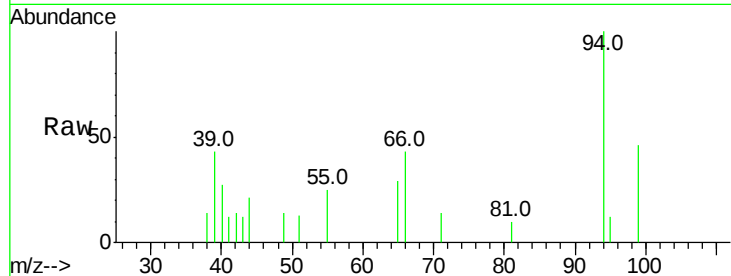
ClientSampled :

WC-04-01

Tot Ion:	99	Resp:	1571
Ion	Ratio	Lower	Upper
99	100		
42	31.8	14.5	21.7#
71	29.9	25.4	38.0

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#10

Phenol

Concen: 2.826 ng

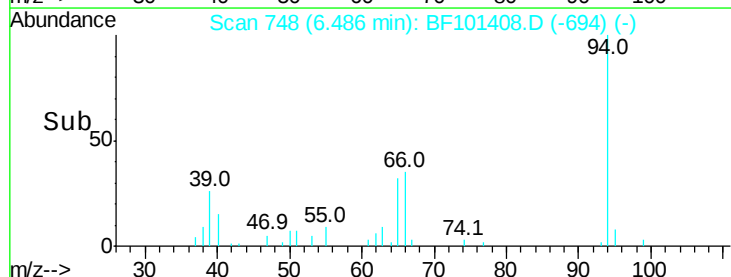
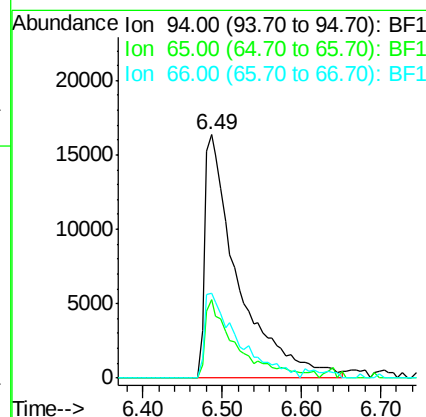
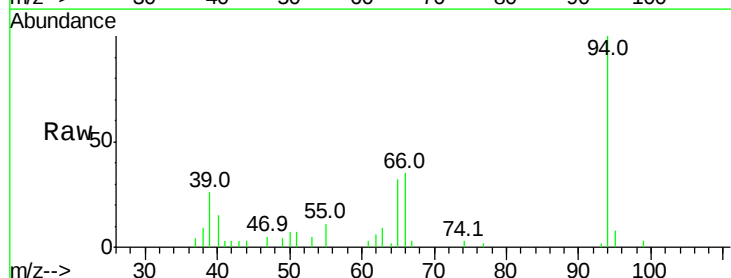
RT: 6.49 min Scan# 748

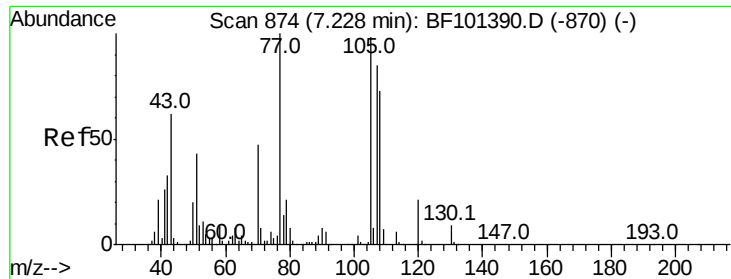
Delta R.T. 0.02 min

Lab File: BF101408.D

Acq: 14 Dec 2017 22:04

Tgt Ion:	94	Resp:	47959
Ion	Ratio	Lower	Upper
94	100		
65	32.4	7.9	47.9
66	34.9	16.2	56.2





#20

3+4-Methylphenols

Concen: 2.813 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.02 min

Lab File: BF101408.D

Acq: 14 Dec 2017 22:04

Instrument :

BNA_F

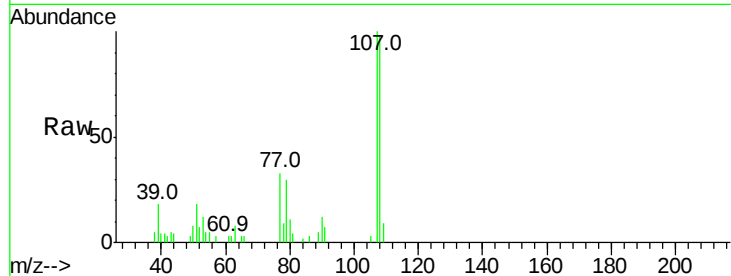
ClientSampleId :

WC-04-01

Tot Ion:	107	Resp:	34508
Ion	Ratio	Lower	Upper
107	100		
108	97.8	68.2	108.2
77	32.6	26.7	66.7
79	30.2	6.3	46.3

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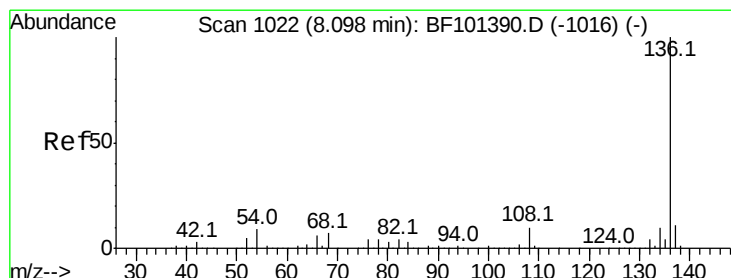
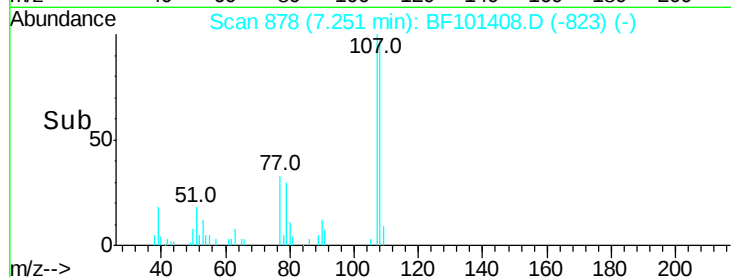
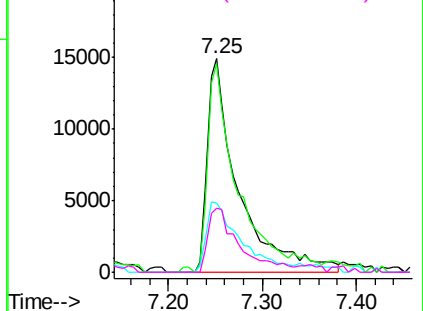


Abundance Ion 107.00 (106.70 to 107.70): E

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: 8.10 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF101408.D

Acq: 14 Dec 2017 22:04

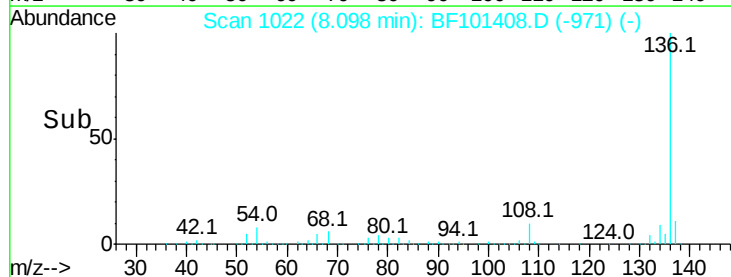
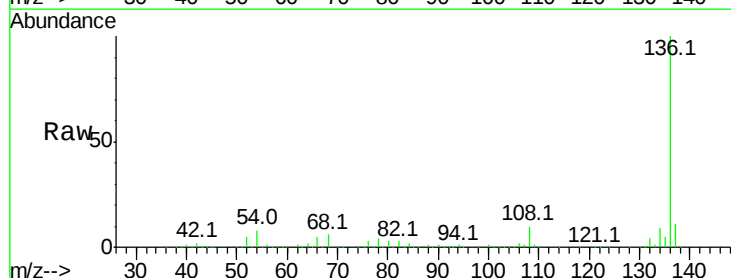
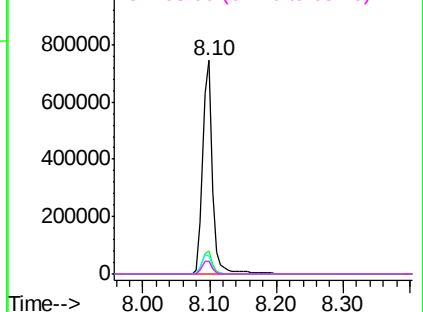
Tgt Ion:	136	Resp:	735120
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.4	6.6	9.8
68	6.3	5.0	7.4

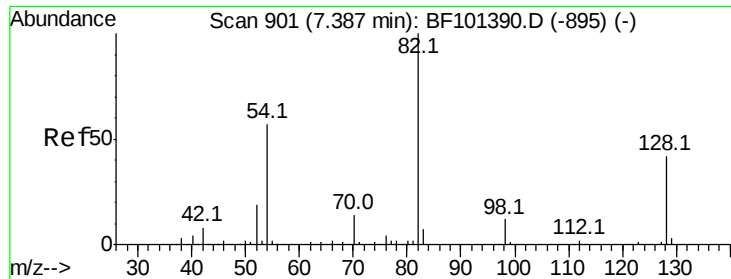
Abundance Ion 136.00 (135.70 to 136.70): E

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





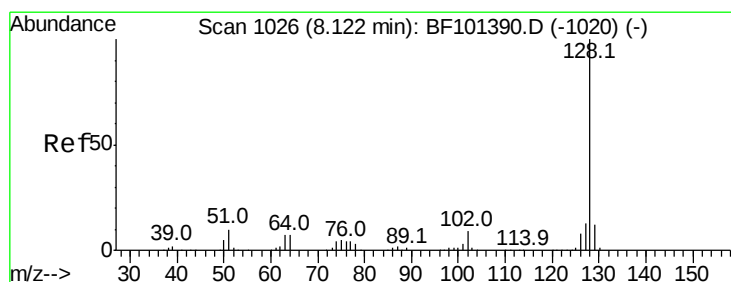
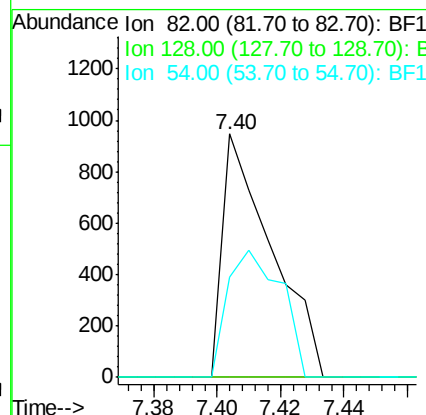
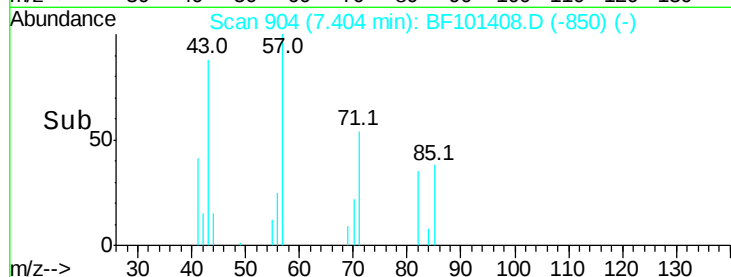
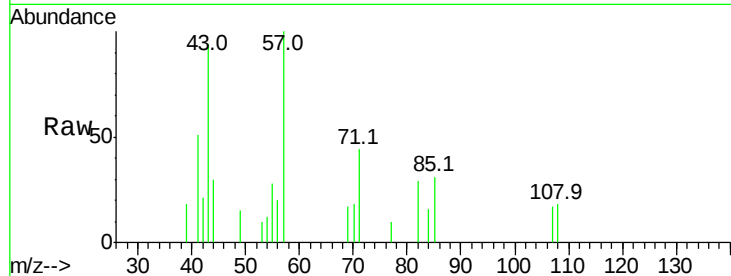
#23
Nitrobenzene-d5
Concen: 0.077 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.02 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Instrument :
BNA_F
ClientSampled :
WC-04-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	36.1	54.1#
54	41.1	41.4	62.2#

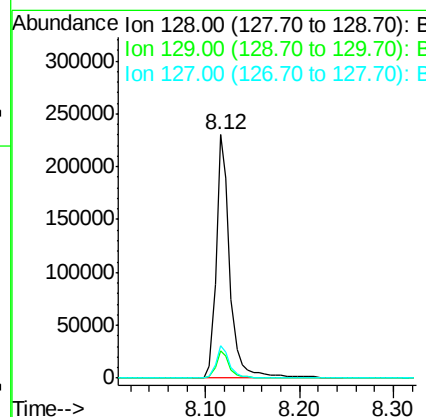
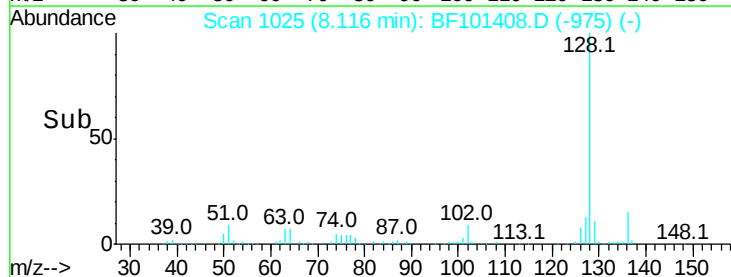
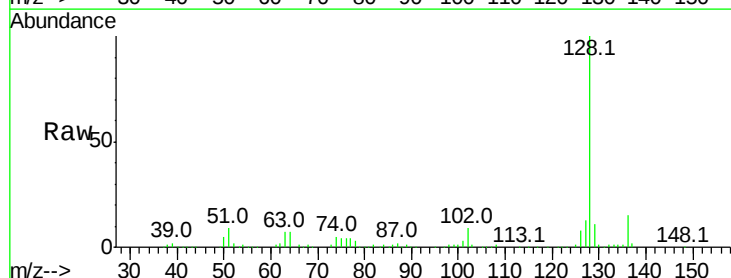
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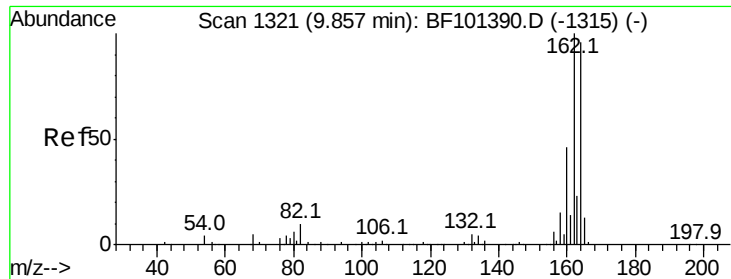
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#31
Naphthalene
Concen: 6.448 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.1	10.9	16.3





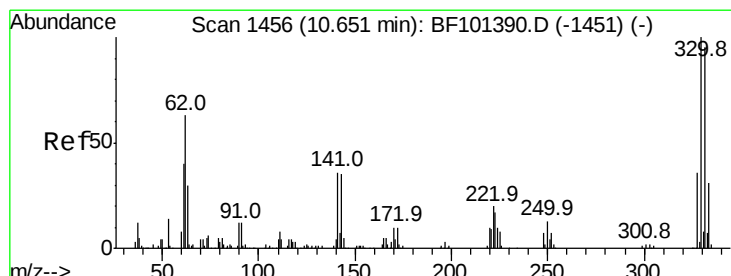
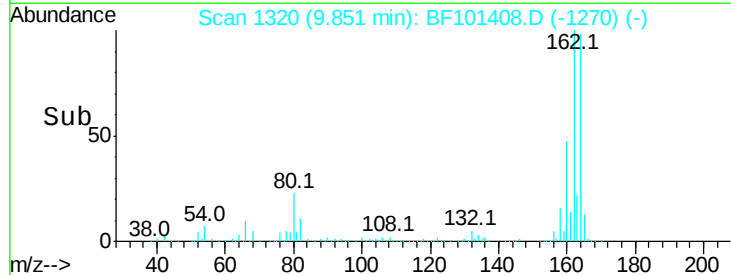
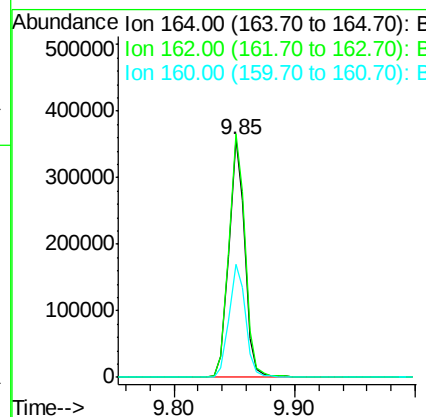
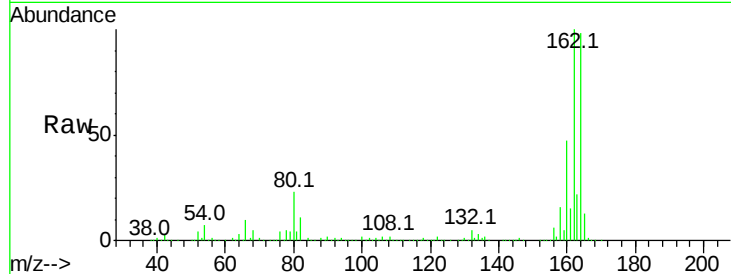
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF101408.D
 Acq: 14 Dec 2017 22:04

Instrument :
 BNA_F
 ClientSampleID :
 WC-04-01

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	86.1	129.1	
160	47.7	38.3	57.5	

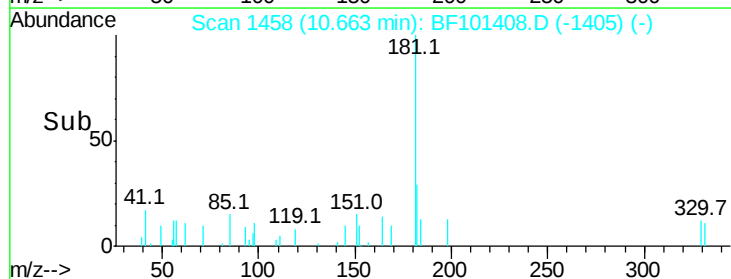
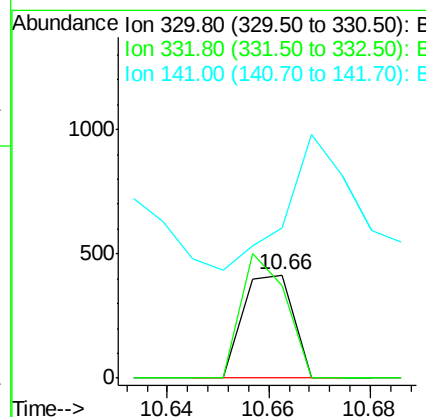
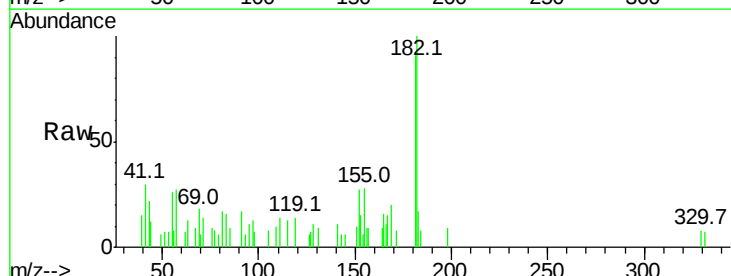
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#41
 2,4,6-Tribromophenol
 Concen: 0.091 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: BF101408.D
 Acq: 14 Dec 2017 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	107.3	77.0	115.6	
141	706.6	29.9	44.9#	





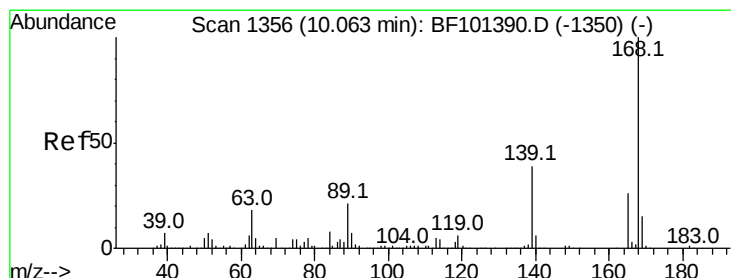
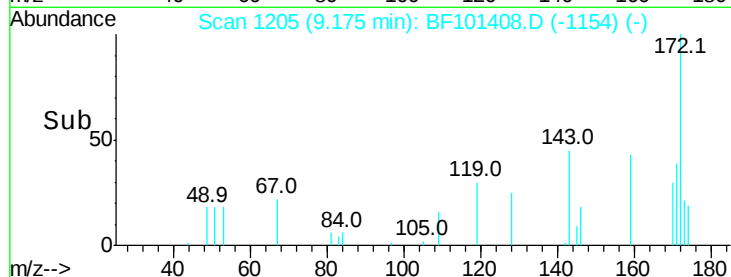
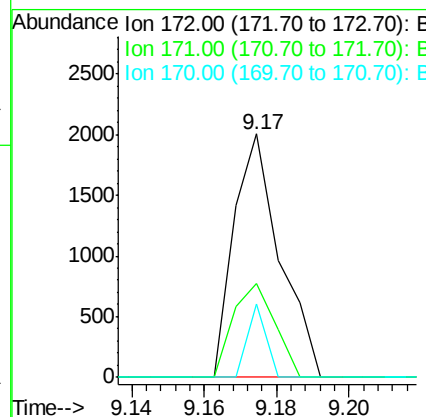
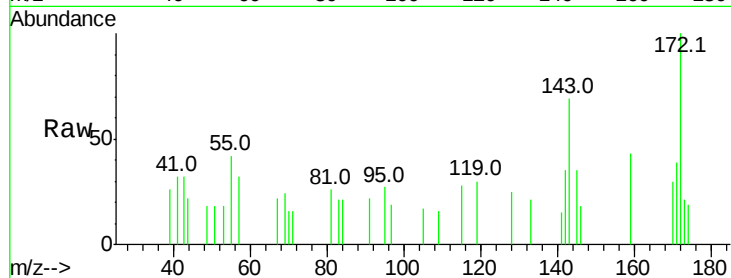
#44
2-Fluorobiphenyl
Concen: 0.084 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Instrument :
BNA_F
ClientSampled :
WC-04-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.8	29.7	44.5
170	29.9	19.6	29.4

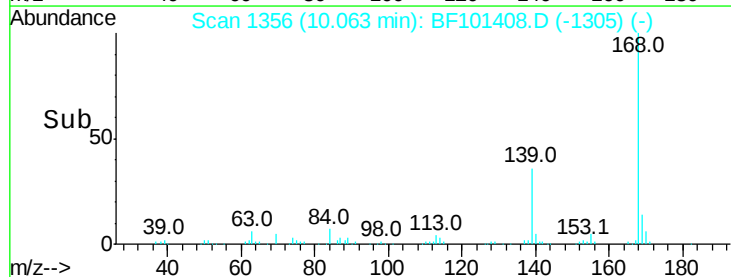
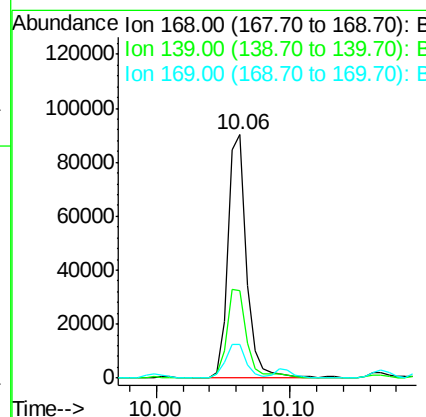
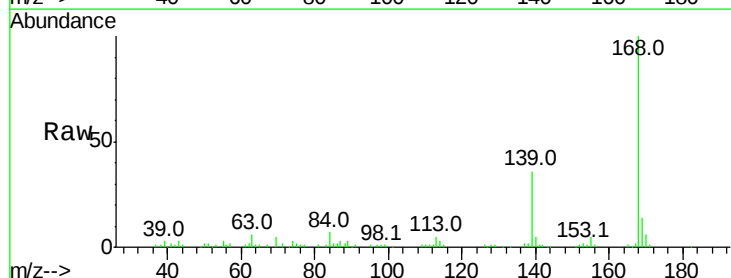
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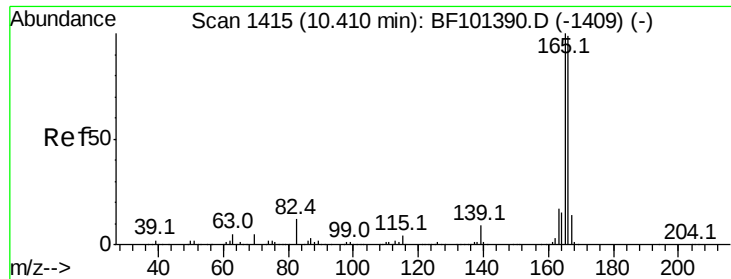
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#54
Dibenzofuran
Concen: 3.367 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.1	30.1	45.1
169	14.0	10.9	16.3





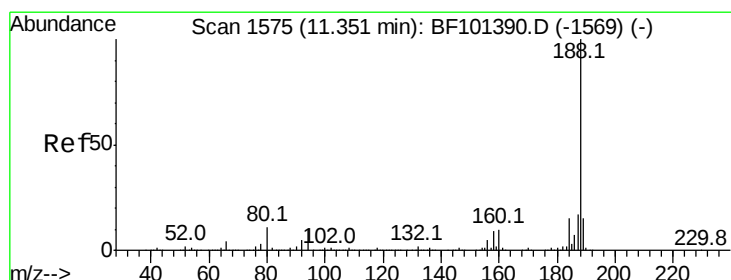
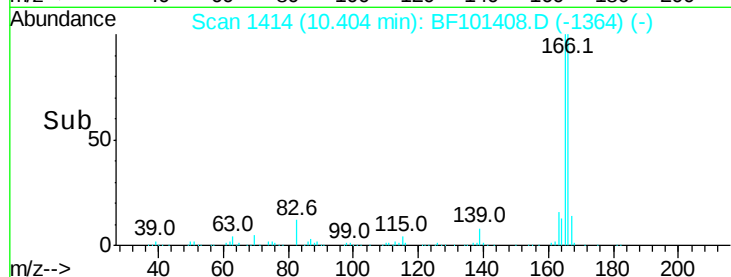
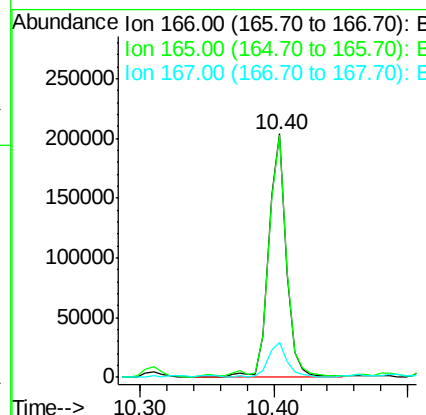
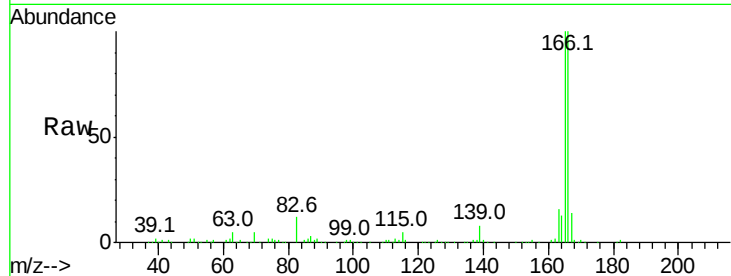
#57
Fluorene
 Concen: 8.103 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BF101408.D
 Acq: 14 Dec 2017 22:04

Instrument :
 BNA_F
 ClientSampled :
 WC-04-01

Tot Ion	Ratio	Resp	Lower	Upper
166	100	182819		
165	99.7	79.8	119.8	
167	14.2	10.6	16.0	

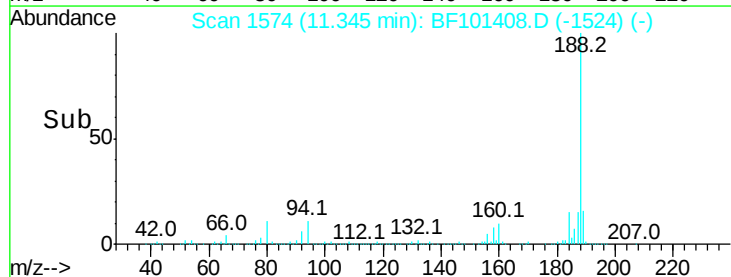
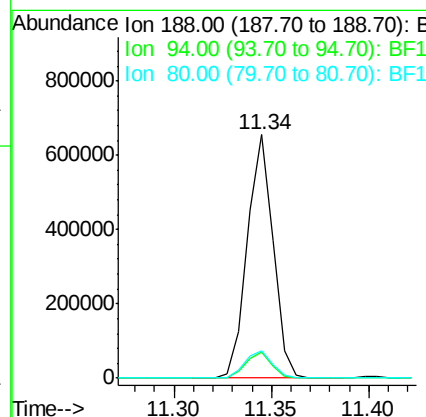
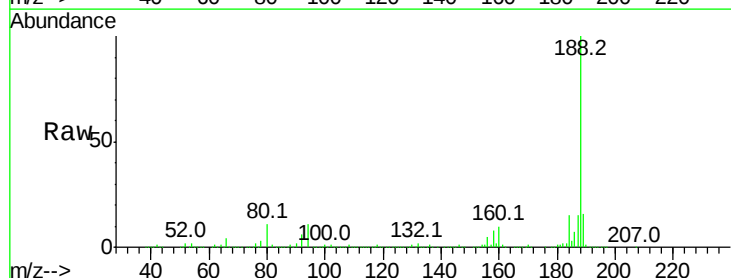
Manual Integrations
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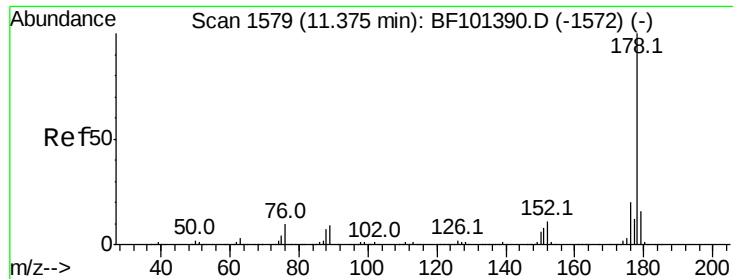
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF101408.D
 Acq: 14 Dec 2017 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	600026		
94	10.7	8.5	12.7	
80	11.3	9.2	13.8	





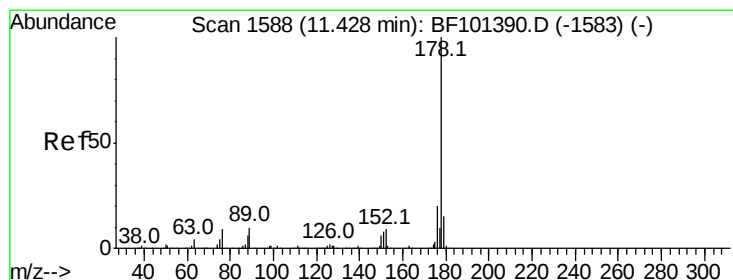
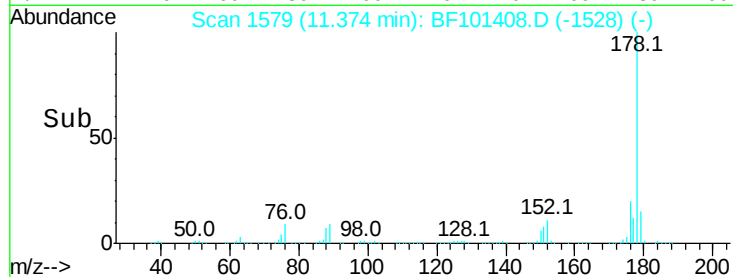
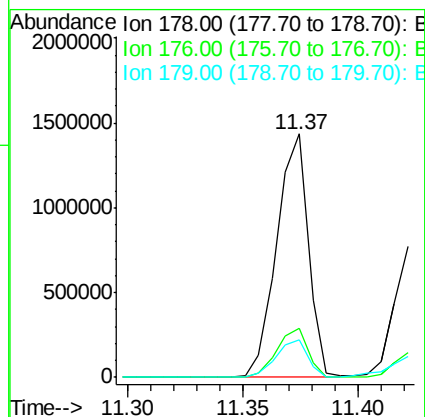
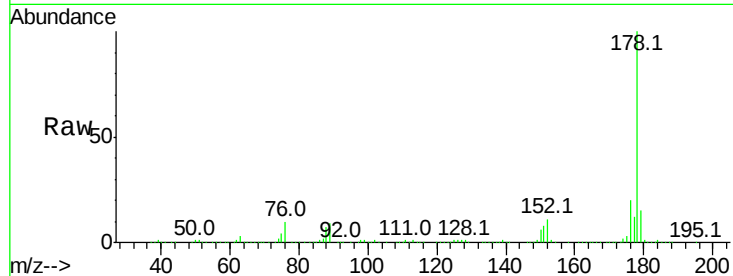
#70
Phenanthrene
Concen: 40.785 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Instrument :
BNA_F
ClientSampleId :
WC-04-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	15.4	13.0	19.6

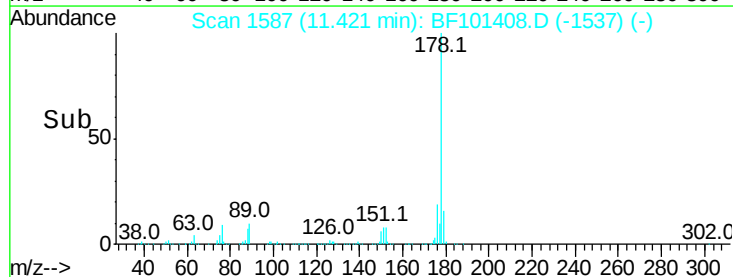
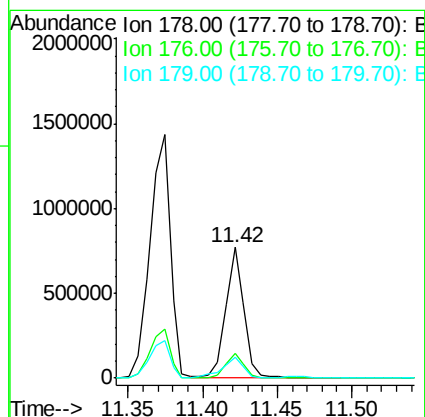
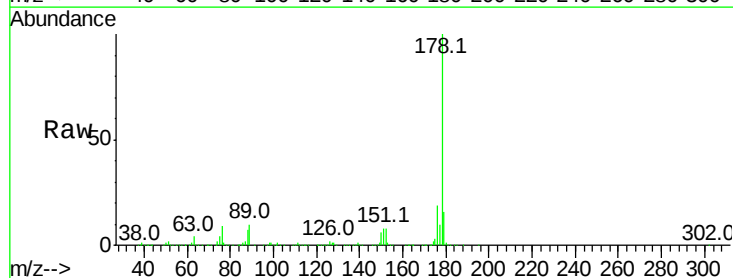
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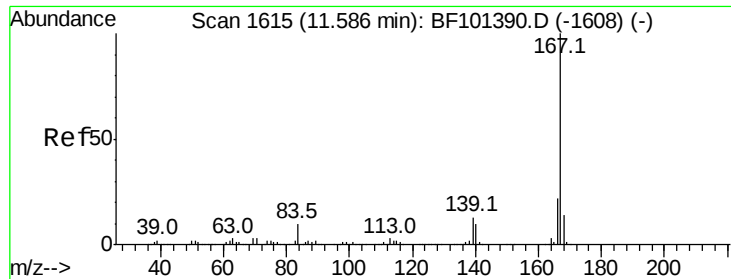
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#71
Anthracene
Concen: 19.568 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.8	12.6	19.0





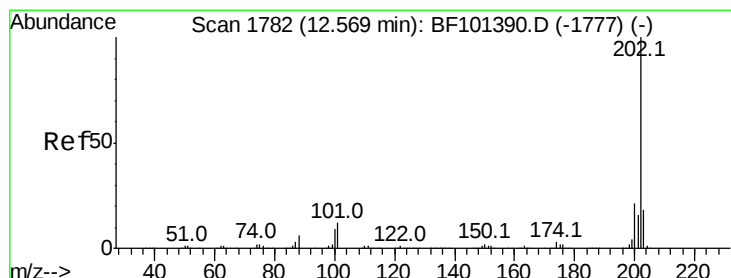
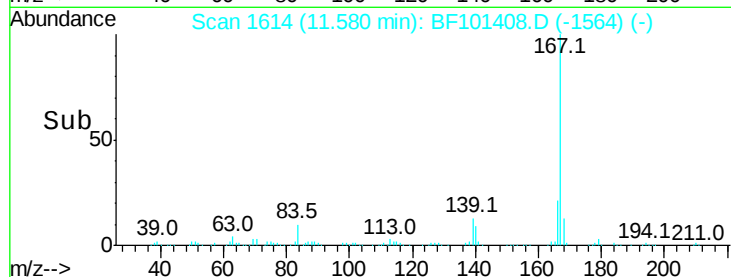
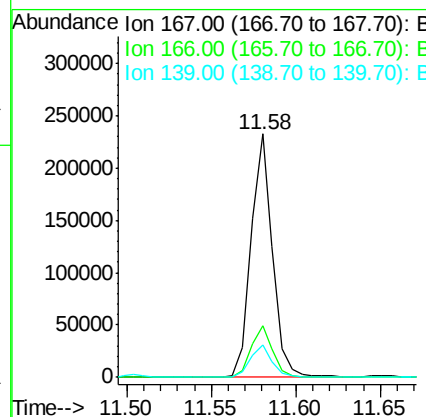
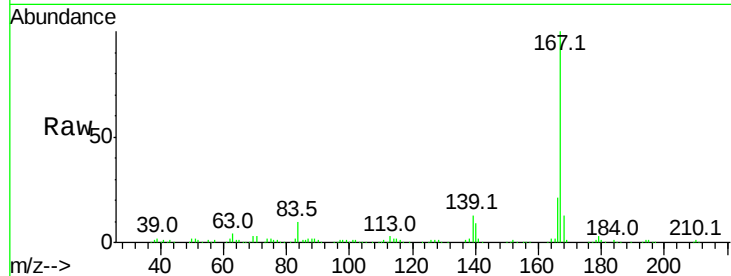
#72
 Carbazole
 Concen: 6.477 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF101408.D
 Acq: 14 Dec 2017 22:04

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-01

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.6	26.4
139	13.1	10.9	16.3

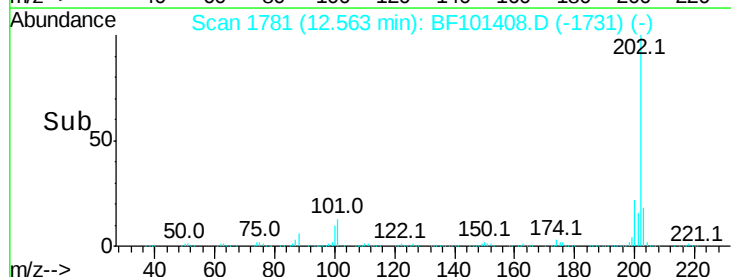
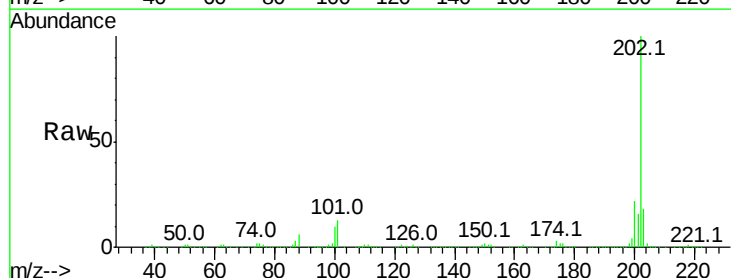
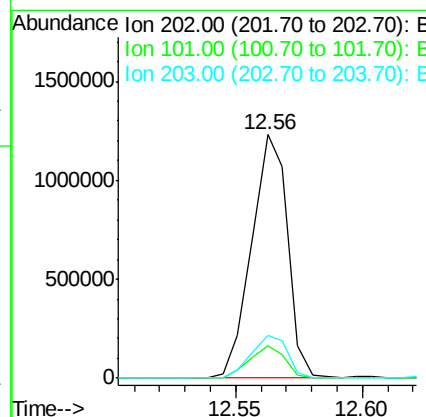
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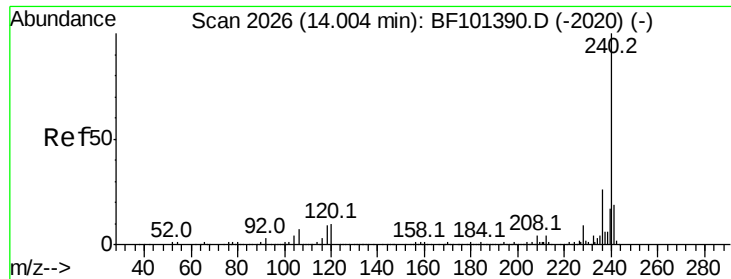
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#74
 Fluoranthene
 Concen: 34.737 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. -0.01 min
 Lab File: BF101408.D
 Acq: 14 Dec 2017 22:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101408.D

Acq: 14 Dec 2017 22:04

Instrument :

BNA_F

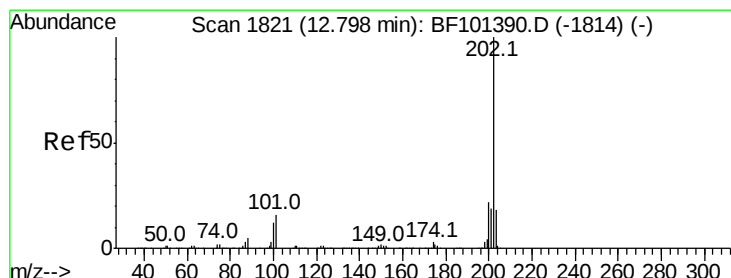
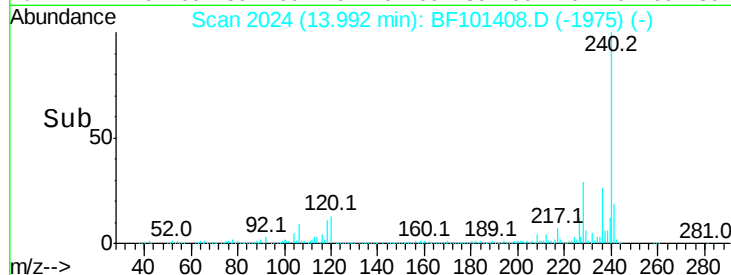
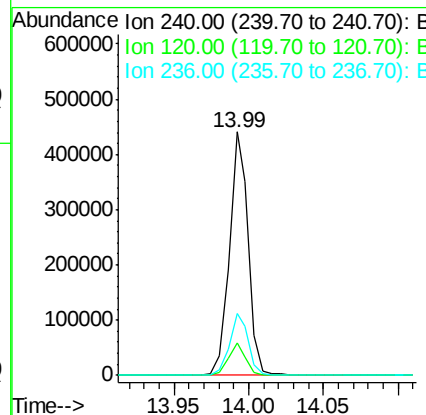
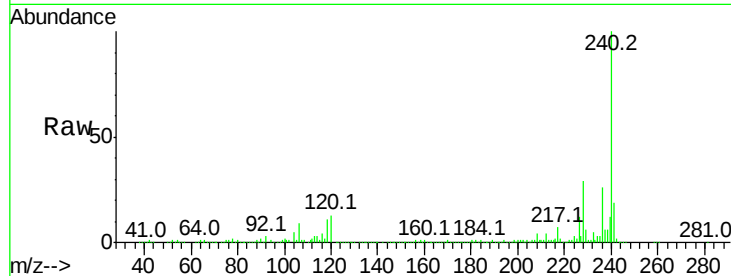
ClientSampleId :

WC-04-01

Tot Ion:	240	Resp:	392661
Ion Ratio	Lower	Upper	
240	100		
120	13.5	9.5	14.3
236	25.5	20.7	31.1

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#77

Pyrene

Concen: 31.269 ng

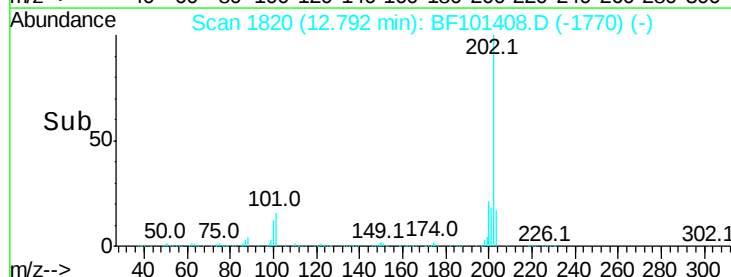
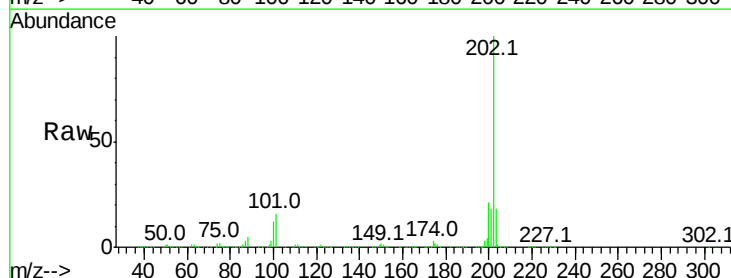
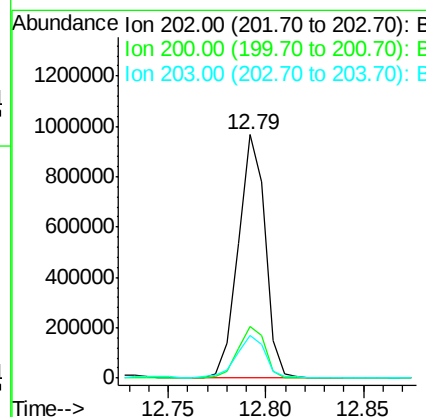
RT: 12.79 min Scan# 1820

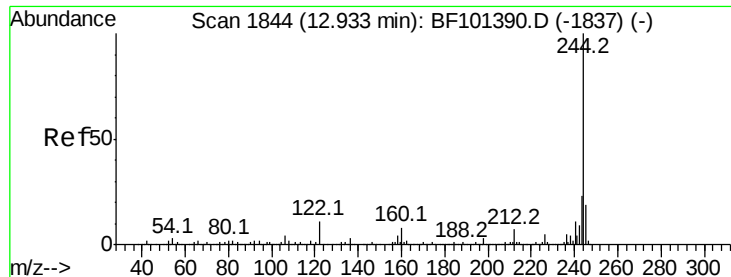
Delta R.T. -0.01 min

Lab File: BF101408.D

Acq: 14 Dec 2017 22:04

Tgt Ion:	202	Resp:	921464
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.6	14.3	21.5





#78

Terphenyl-d14

Concen: 0.177 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF101408.D

Acq: 14 Dec 2017 22:04

Instrument :

BNA_F

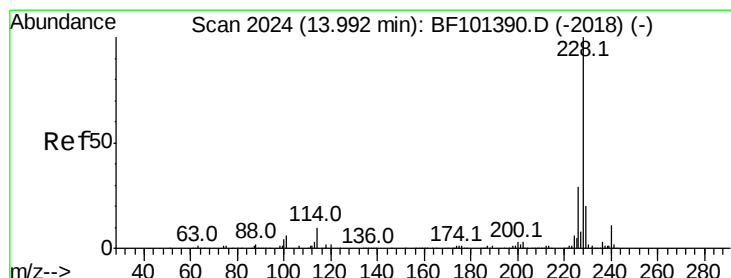
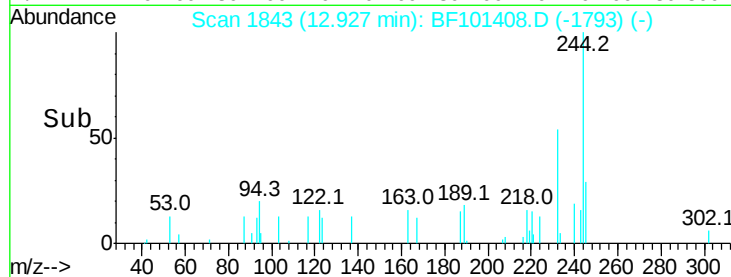
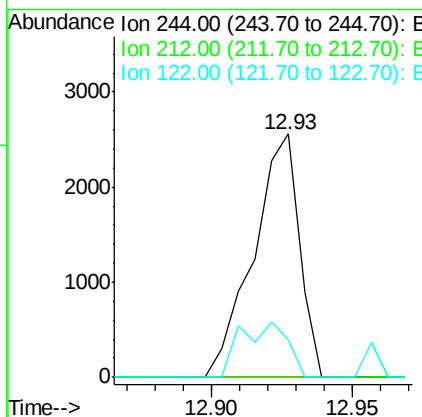
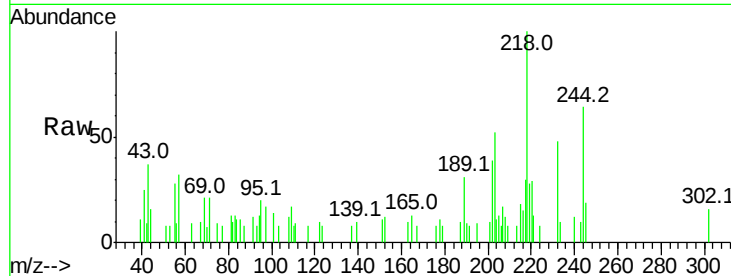
ClientSampleId :

WC-04-01

Tot Ion:	244	Resp:	2885
Ion Ratio	Lower	Upper	
244	100		
212	0.0	5.4	8.0#
122	15.5	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 15.850 ng

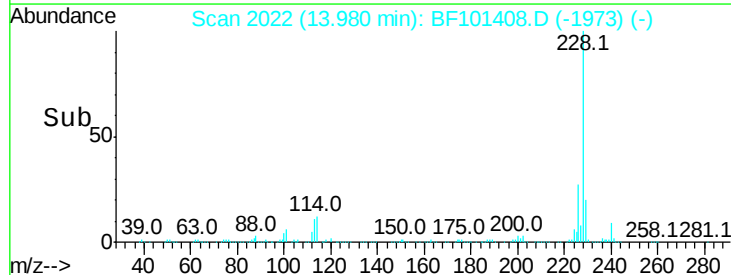
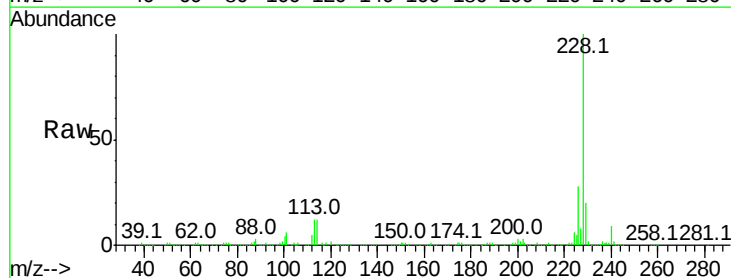
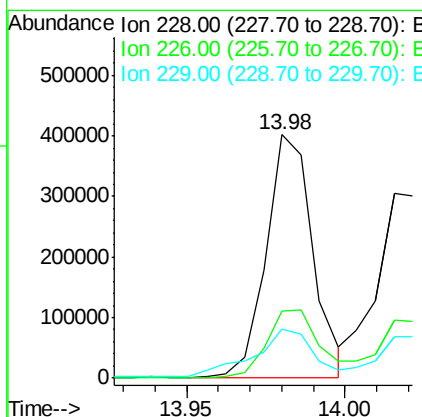
RT: 13.98 min Scan# 2022

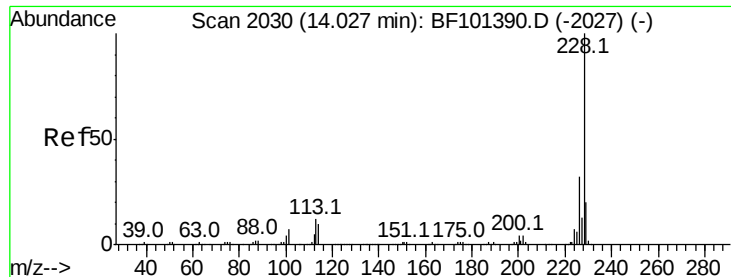
Delta R.T. -0.01 min

Lab File: BF101408.D

Acq: 14 Dec 2017 22:04

Tgt Ion:	228	Resp:	410962
Ion Ratio	Lower	Upper	
228	100		
226	27.6	22.6	33.8
229	20.2	15.8	23.6





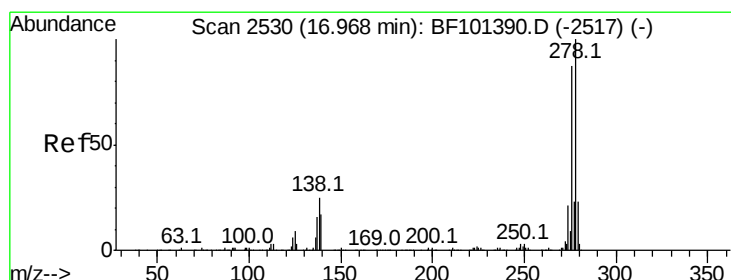
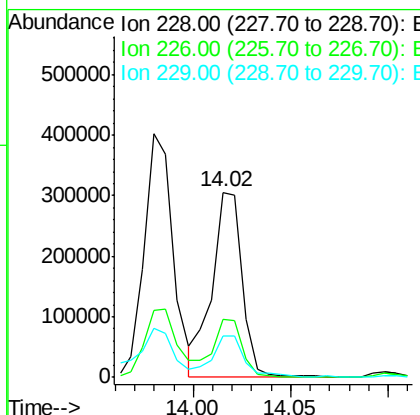
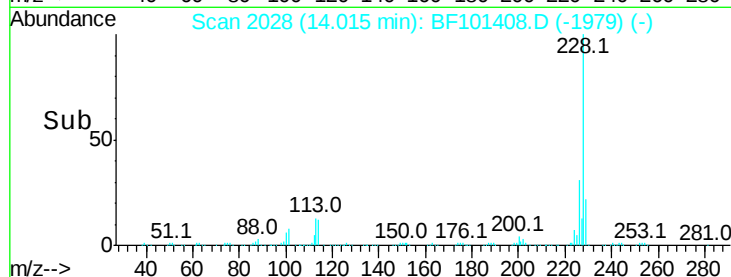
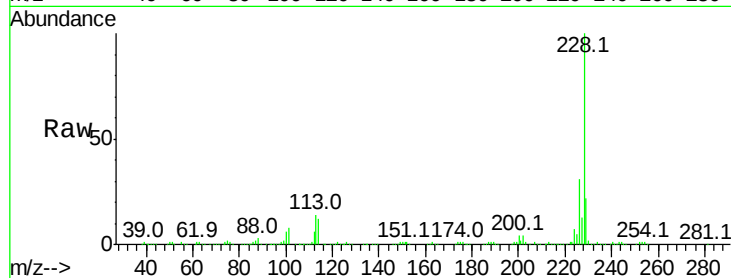
#82
Chrysene
Concen: 13.341 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Instrument :
BNA_F
ClientSampleId :
WC-04-01

Tot Ion	Ratio	Resp	Lower	Upper
228	100	326595		
226	31.3	25.0	37.6	
229	22.2	16.2	24.4	

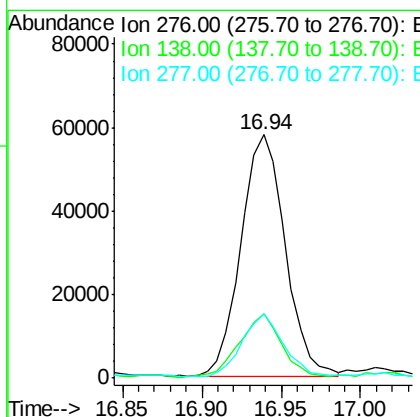
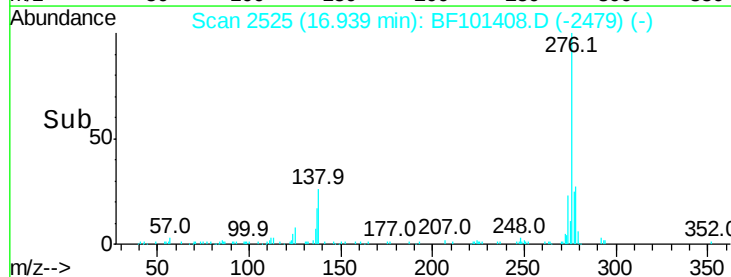
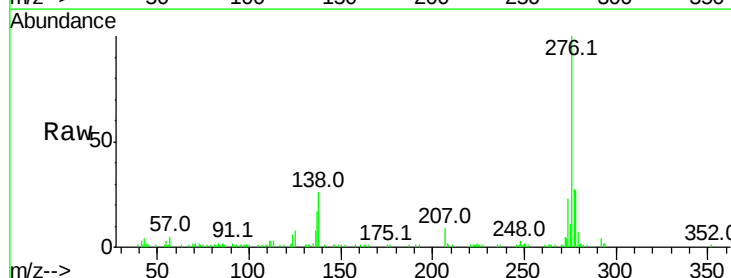
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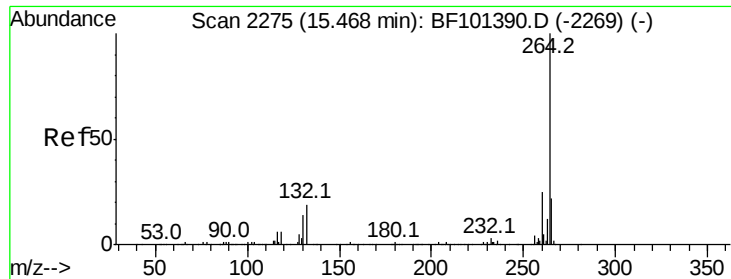
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.146 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.03 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	112187		
138	26.2	25.0	37.6	
277	24.1	20.1	30.1	





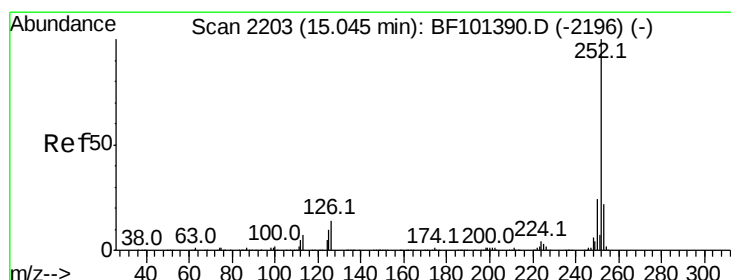
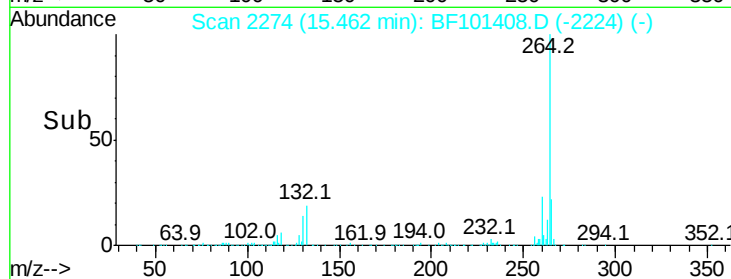
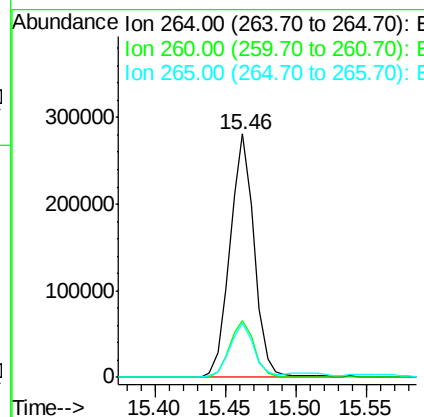
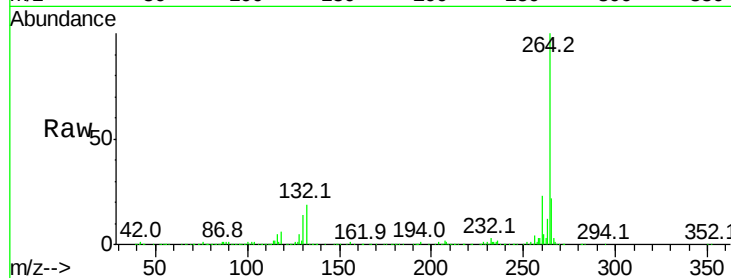
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Instrument :
BNA_F
ClientSampleId :
WC-04-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.0	17.5	26.3

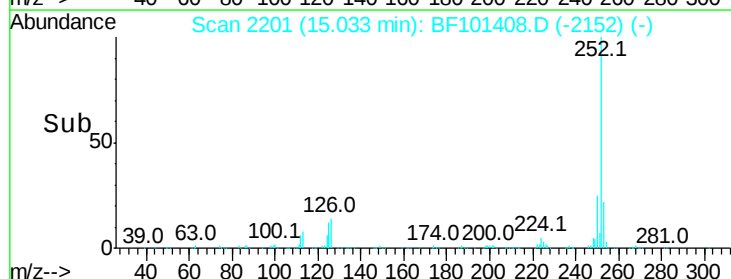
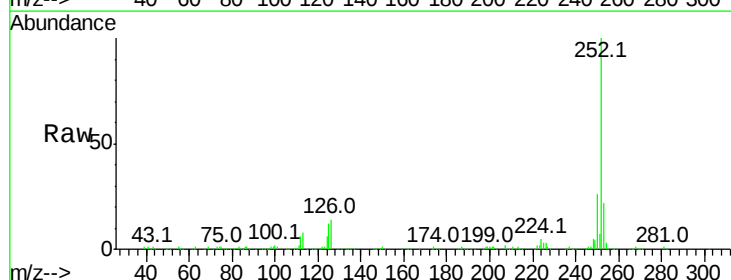
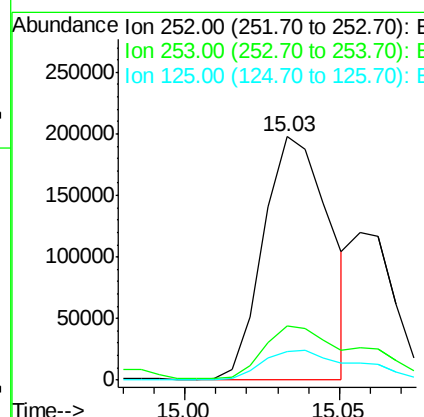
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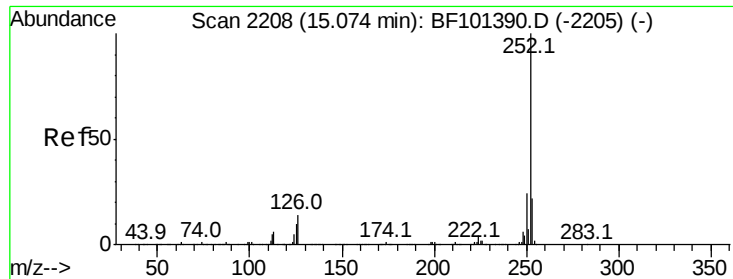
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#87
Benzo(b)fluoranthene
Concen: 14.338 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	11.9	9.0	13.6





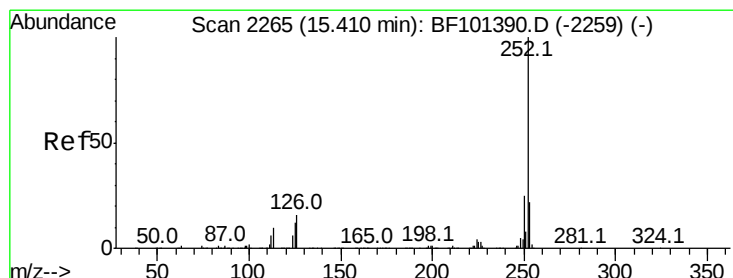
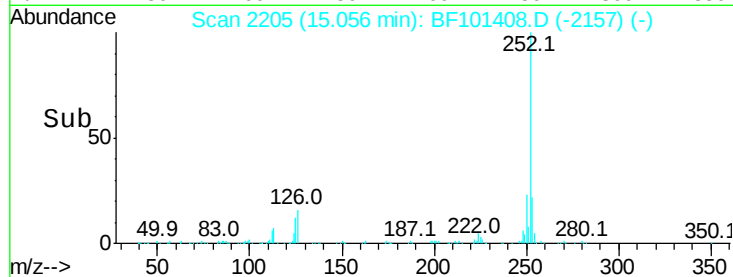
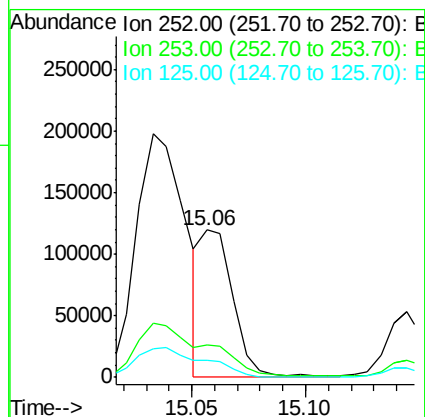
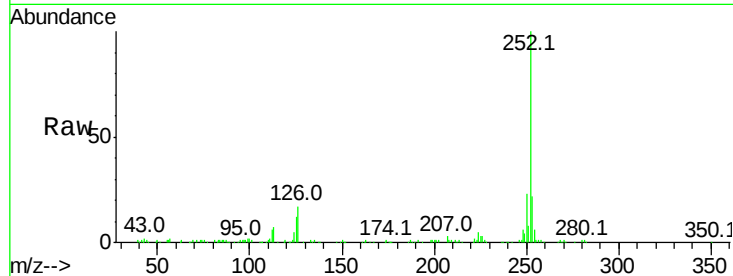
#88
Benzo(k)fluoranthene
Concen: 5.821 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Instrument :
BNA_F
ClientSampleId :
WC-04-01

Tot Ion	Ratio	Resp	Lower	Upper
252	100	115684		
253	22.1	17.9	26.9	
125	12.0	10.2	15.2	

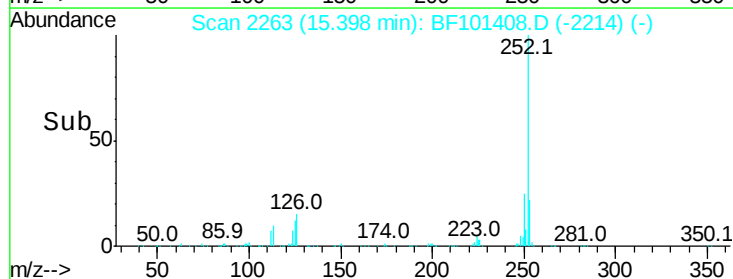
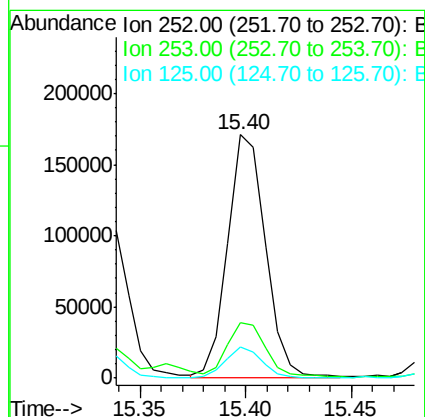
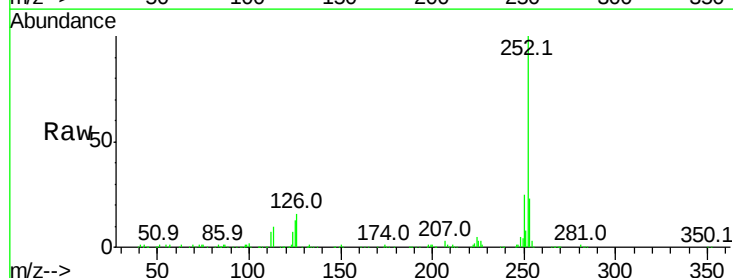
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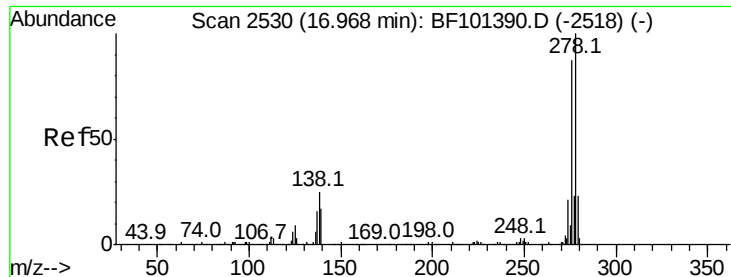
Sohil
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#89
Benzo(a)pyrene
Concen: 11.175 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	210581		
253	22.7	17.1	25.7	
125	12.7	9.8	14.6	





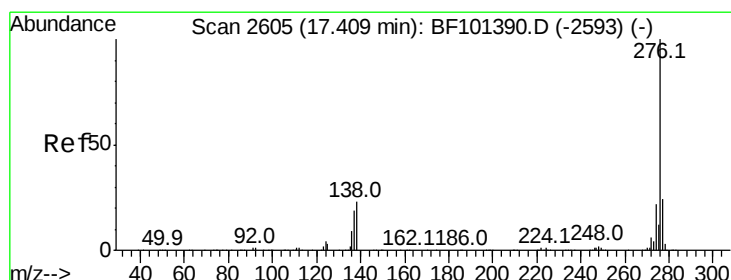
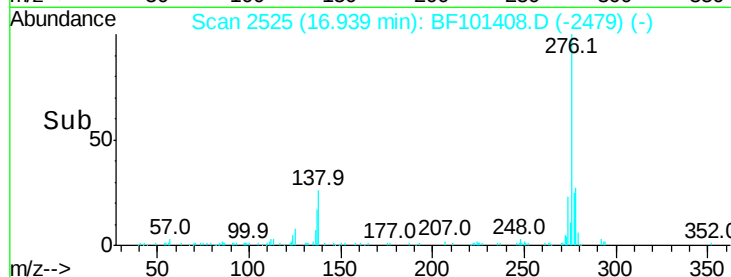
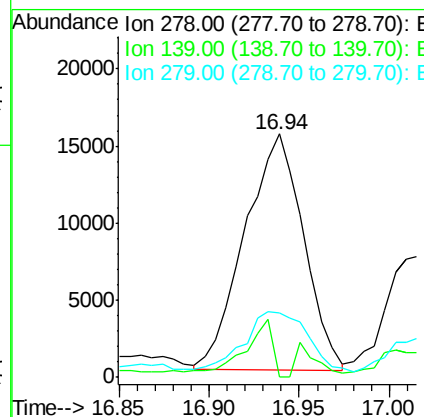
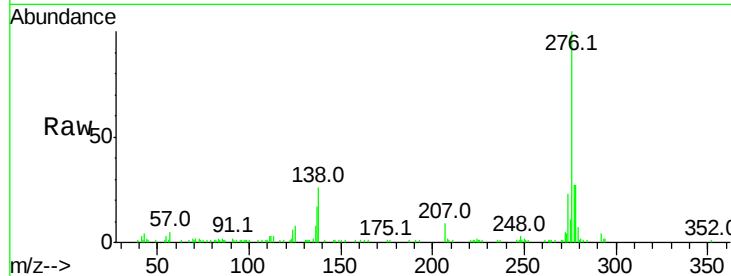
#90
Dibenzo(a,h)anthracene
Concen: 2.144 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.03 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Instrument :
BNA_F
ClientSampleId :
WC-04-01

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	26.5	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.674 ng
RT: 17.39 min Scan# 2601
Delta R.T. -0.02 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	27.6	21.8	32.8

