

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062316\
 Data File : BG022504.D
 Acq On : 23 Jun 2016 4:29
 Operator : UM/SJ
 Sample : H3467-03RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HF-4-WC-3RE

Manual Integrations
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Quant Time: Jun 23 16:01:27 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 01:27:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	31848	20.00	ng	-0.02
21) Naphthalene-d8	10.79	136	189304	20.00	ng	-0.02
38) Acenaphthene-d10	14.62	164	133332	20.00	ng	-0.01
63) Phenanthrene-d10	17.36	188	292064	20.00	ng	-0.02
75) Chrysene-d12	21.62	240	170548	20.00	ng	-0.02
86) Perylene-d12	24.80	264	154669	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	228227	138.55	ng	-0.03
7) Phenol-d6	7.15	99	390233	150.68	ng	-0.03
23) Nitrobenzene-d5	9.14	82	215773	79.47	ng	-0.02
41) 2,4,6-Tribromophenol	16.11	330	118413	78.60	ng	-0.02
44) 2-Fluorobiphenyl	13.24	172	628093	71.79	ng	-0.01
78) Terphenyl-d14	19.96	244	711936	99.10	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	14.07	163	125631	11.36	ng	99
70) Phenanthrene	17.40	178	168284	10.61	ng	99
71) Anthracene	17.50	178	44026	2.80	ng	94
74) Fluoranthene	19.41	202	276172	15.14	ng	95
77) Pyrene	19.78	202	213728	20.16	ng	99
80) Benzo(a)anthracene	21.60	228	96777	10.12	ng	98
82) Chrysene	21.66	228	88248m	9.48	ng	
85) Indeno(1,2,3-cd)pyrene	28.45	276	32514	3.11	ng	# 79
87) Benzo(b)fluoranthene	23.79	252	87683	9.72	ng	# 90
88) Benzo(k)fluoranthene	23.85	252	34049m	3.83	ng	
89) Benzo(a)pyrene	24.65	252	61752	7.16	ng	# 84
91) Benzo(a,h,i)perylene	29.58	276	32373	3.83	ng	# 82

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

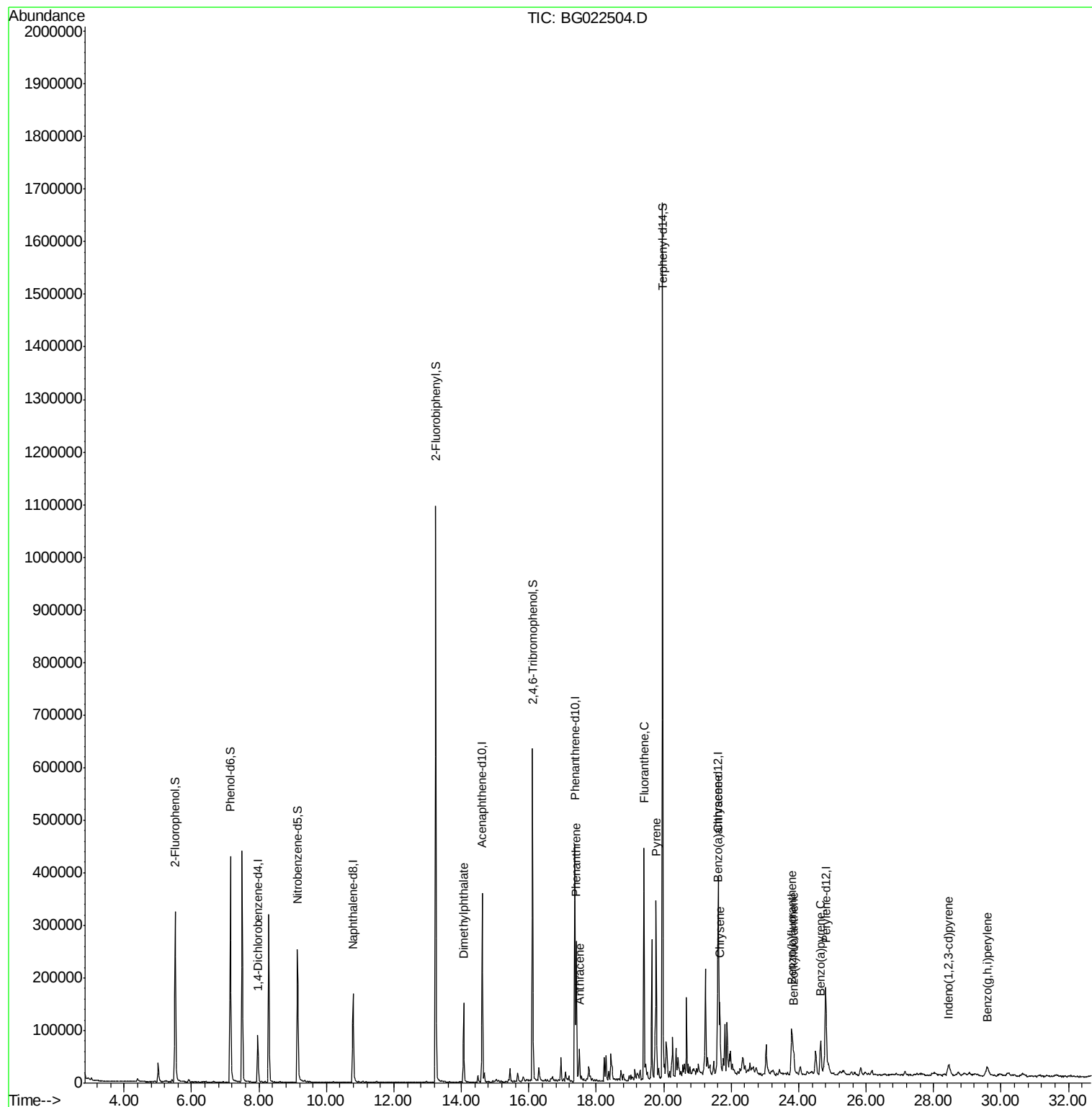
Data Path : Z:\HPCHEM1\BNA G\DATA\BG062316\
Data File : BG022504.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

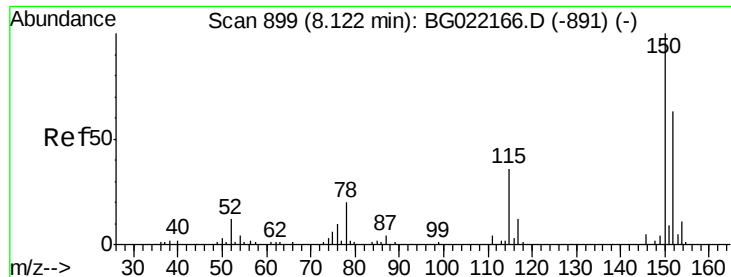
Instrument :
BNA_G
ClientSampleId :
HF-4-WC-3RE

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Quant Time: Jun 23 16:01:27 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

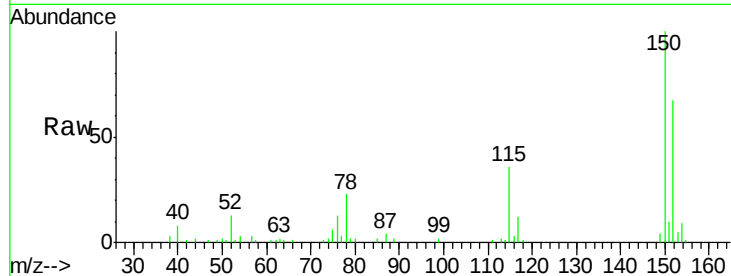
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.97 min Scan# 873
Delta R.T. -0.02 min
Lab File: BG022504.D
Acq: 23 Jun 2016 4:29

Instrument :
BNA_G
ClientSampleId :
HF-4-WC-3RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	130.1	195.1
115	54.4	62.2	93.2

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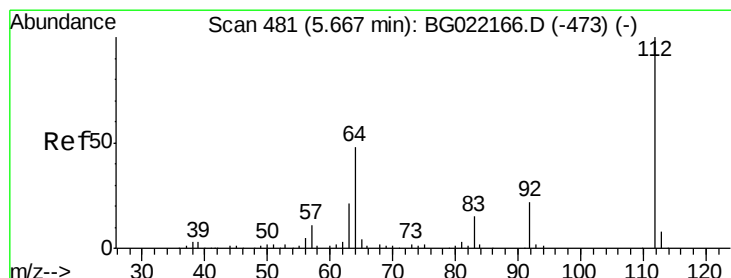
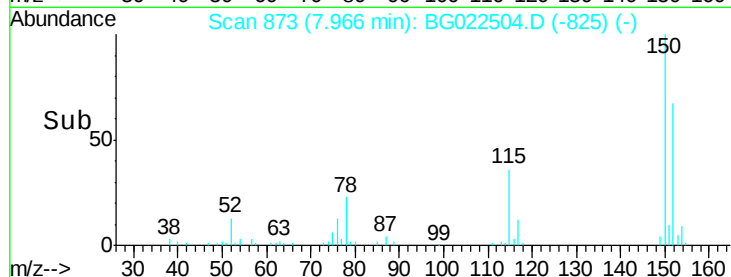
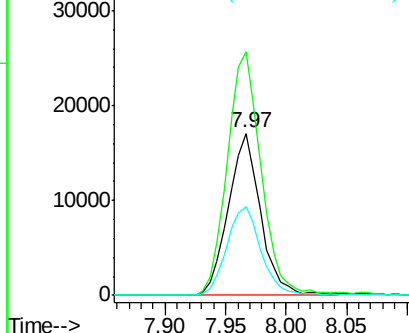


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

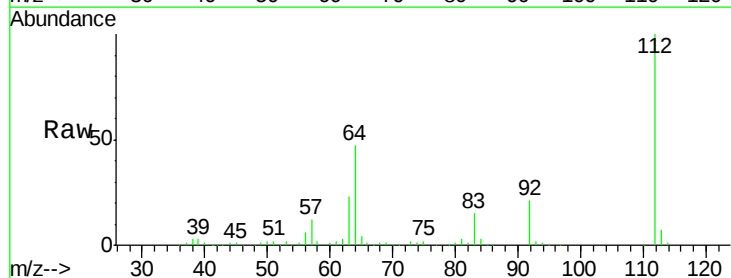
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 138.55 ng
RT: 5.51 min Scan# 455
Delta R.T. -0.03 min
Lab File: BG022504.D
Acq: 23 Jun 2016 4:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.3	51.1	76.7
63	22.9	24.6	37.0

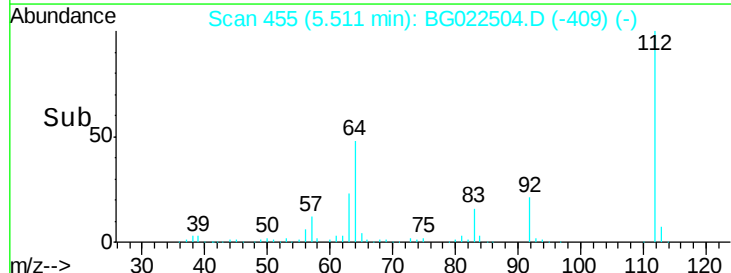
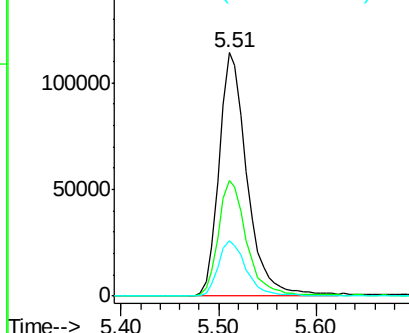


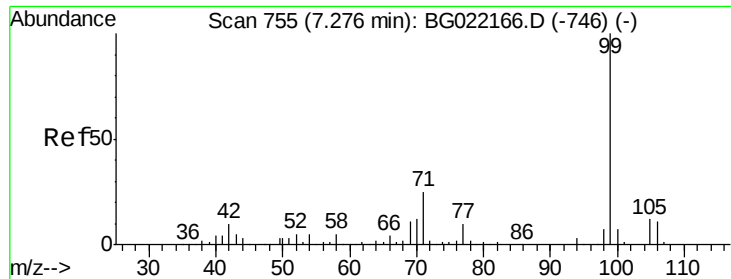
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 150.68 ng

RT: 7.15 min Scan# 734

Delta R.T. -0.03 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Instrument :

BNA_G

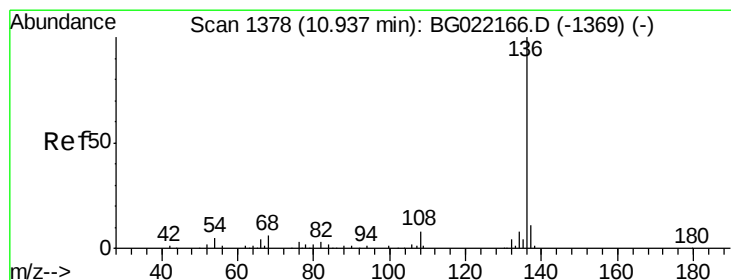
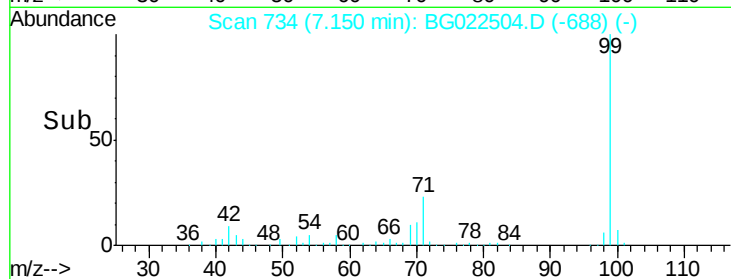
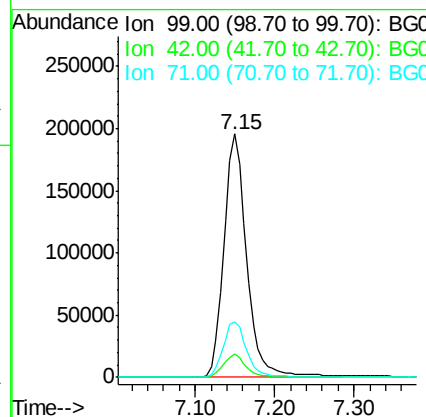
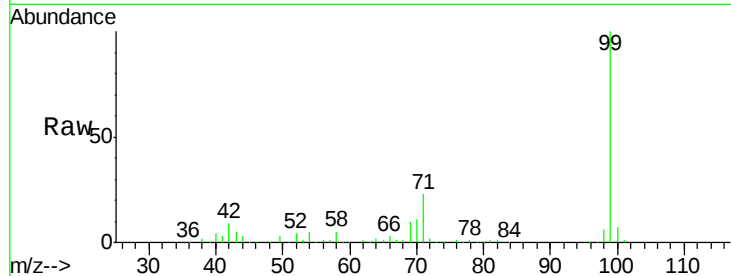
ClientSampleId :

HF-4-WC-3RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		390233		
42	9.4	16.4	24.6#		
71	22.8	25.0	37.4#		

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#21

Naphthalene-d8

Concen: 20.00 ng

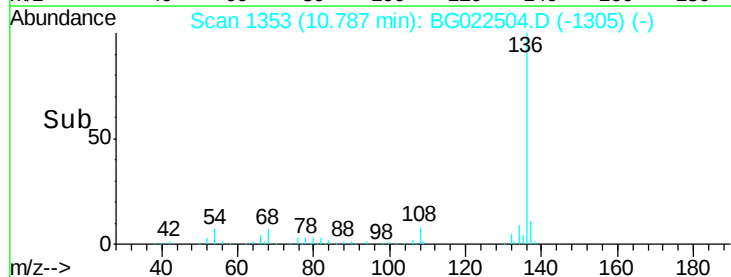
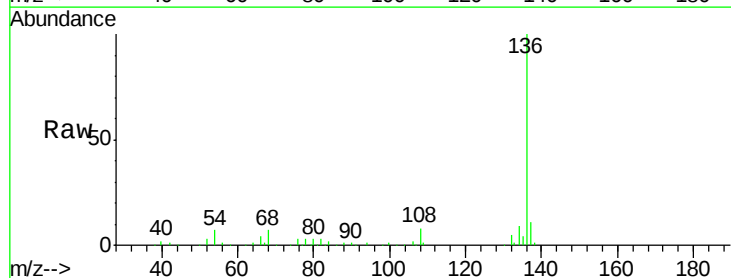
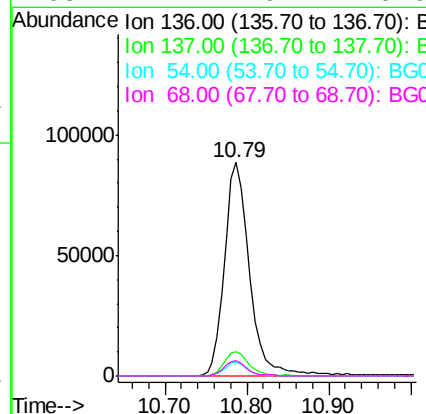
RT: 10.79 min Scan# 1353

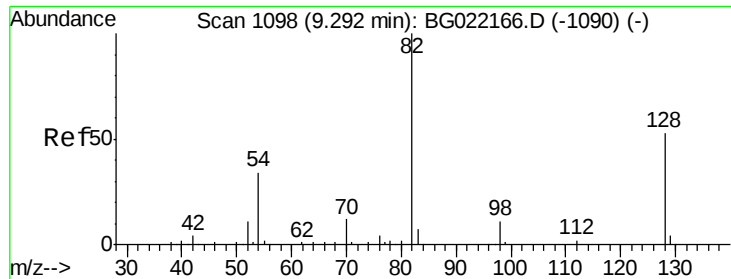
Delta R.T. -0.02 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		189304		
137	11.2	9.0	13.4		
54	6.6	9.6	14.4#		
68	7.1	6.4	9.6		





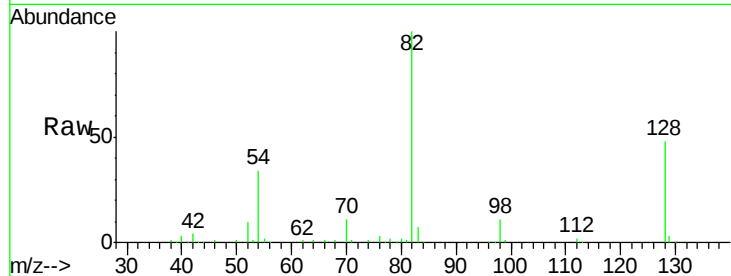
#23
Nitrobenzene-d5
Concen: 79.47 ng
RT: 9.14 min Scan# 1073
Delta R.T. -0.02 min
Lab File: BG022504.D
Acq: 23 Jun 2016 4:29

Instrument :
BNA_G
ClientSampleId :
HF-4-WC-3RE

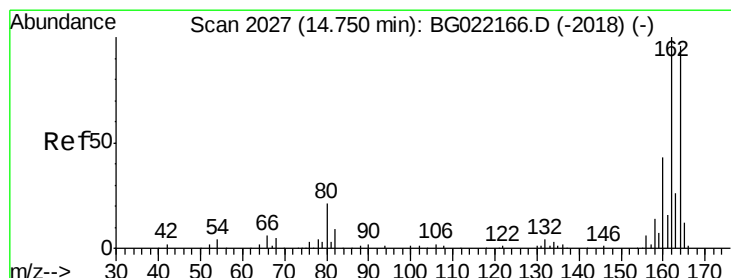
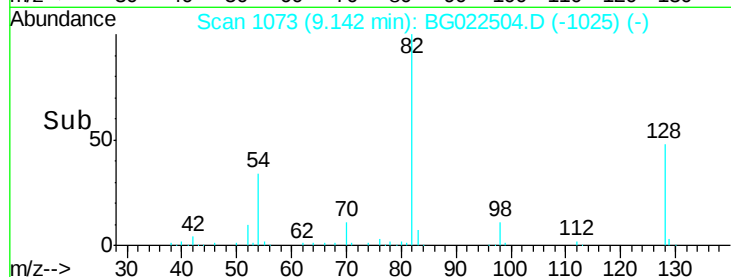
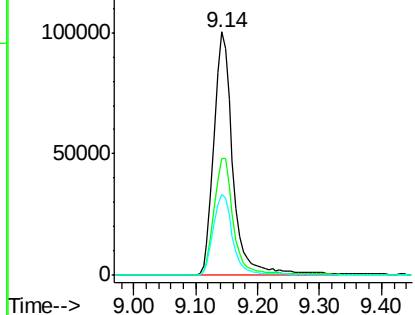
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	33.4	50.0
54	33.6	46.1	69.1

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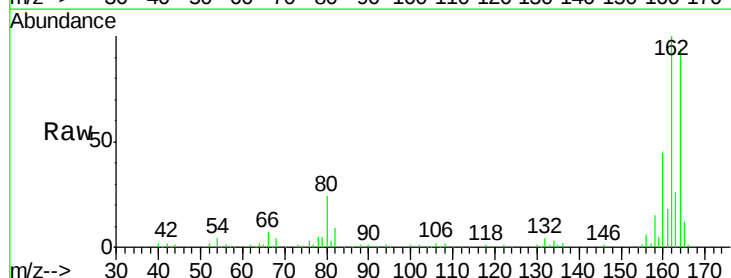


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

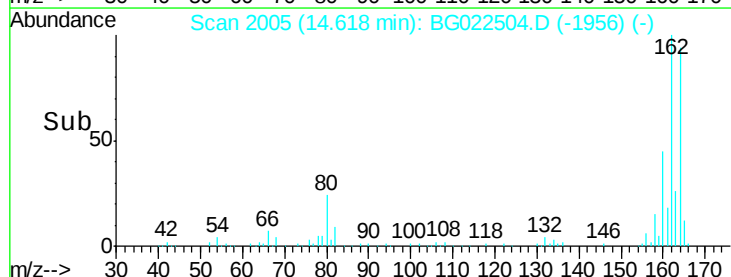
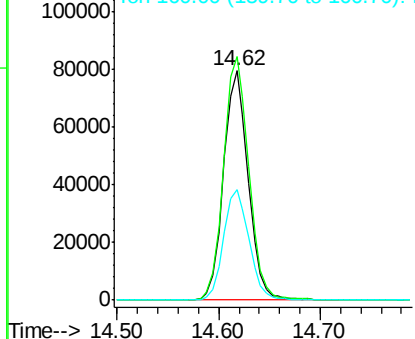


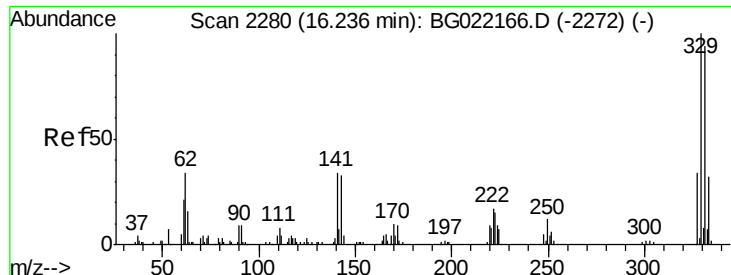
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BG022504.D
Acq: 23 Jun 2016 4:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	78.0	117.0
160	48.2	32.9	49.3



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





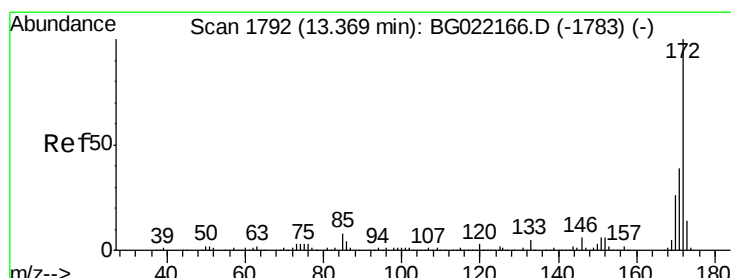
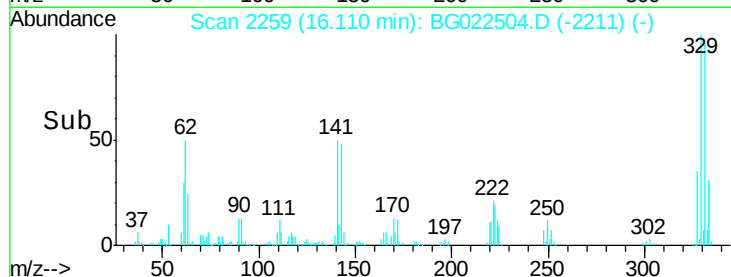
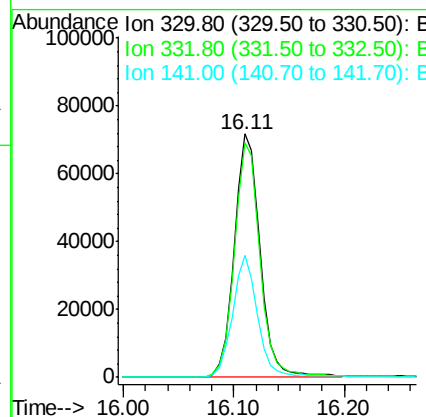
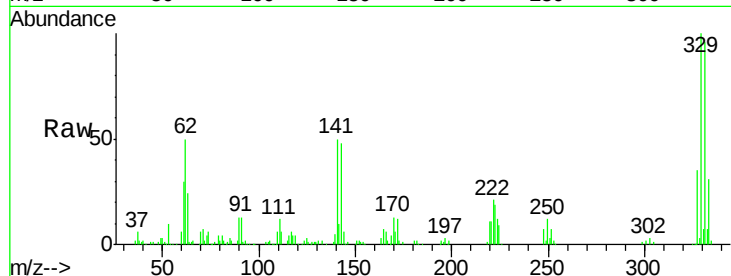
#41
 2,4,6-Tribromophenol
 Concen: 78.60 ng
 RT: 16.11 min Scan# 2259
 Delta R.T. -0.02 min
 Lab File: BG022504.D
 Acq: 23 Jun 2016 4:29

Instrument :
 BNA_G
 ClientSampleId :
 HF-4-WC-3RE

Tot Ion:	330	Resp:	118413
Ion Ratio	Lower	Upper	
330	100		
332	96.8	78.0	117.0
141	48.6	33.8	50.8

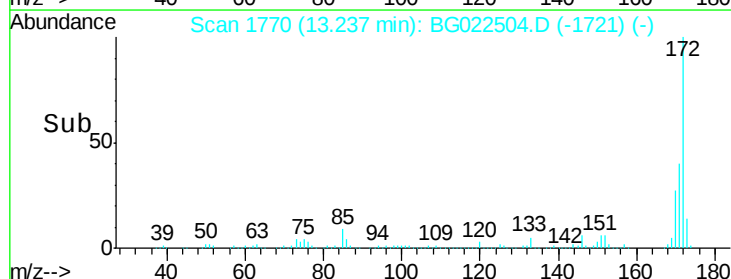
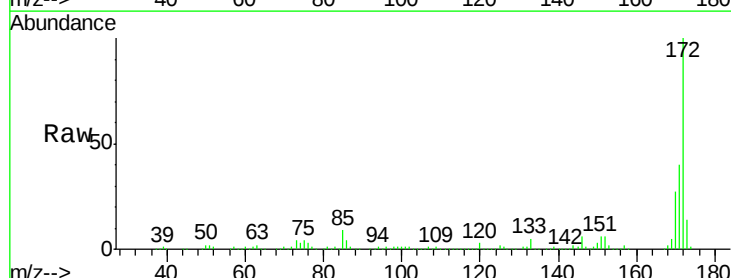
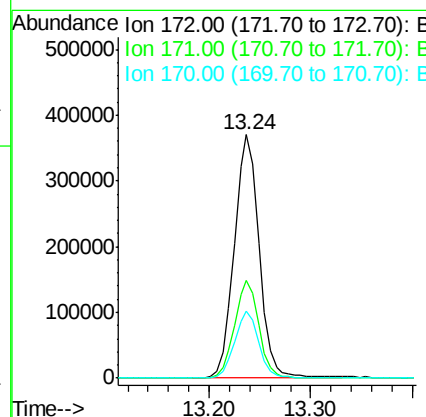
Manual Integrations
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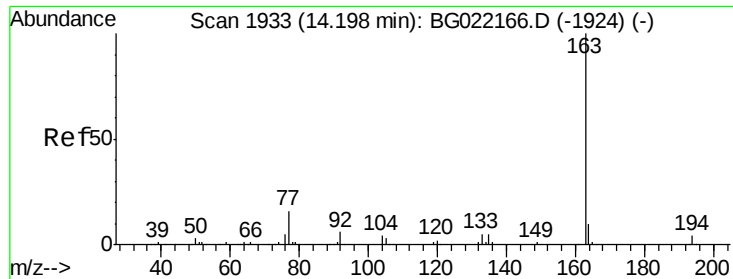
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#44
 2-Fluorobiphenyl
 Concen: 71.79 ng
 RT: 13.24 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: BG022504.D
 Acq: 23 Jun 2016 4:29

Tgt Ion:	172	Resp:	628093
Ion Ratio	Lower	Upper	
172	100		
171	40.3	27.8	41.6
170	27.4	19.6	29.4





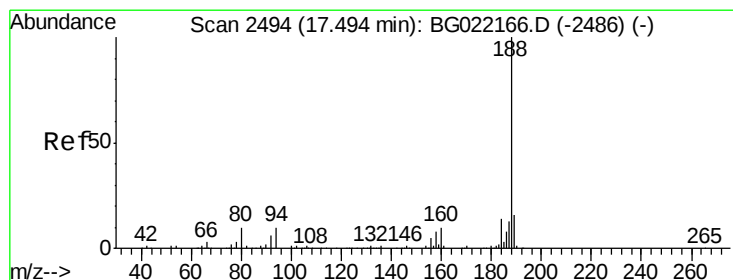
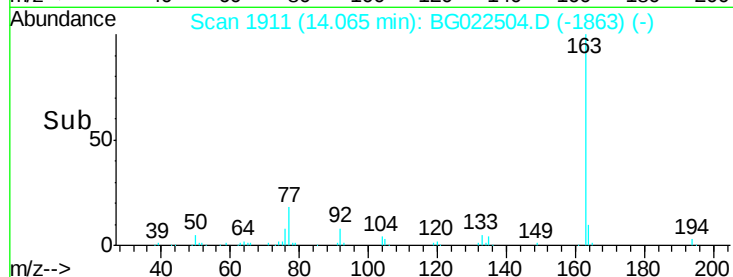
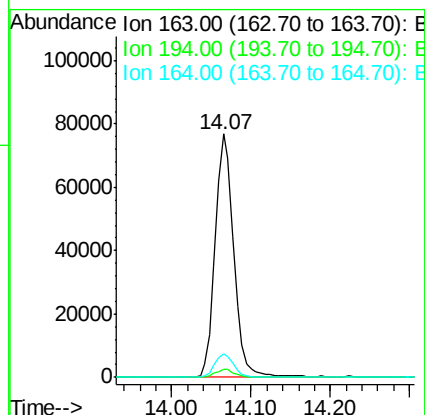
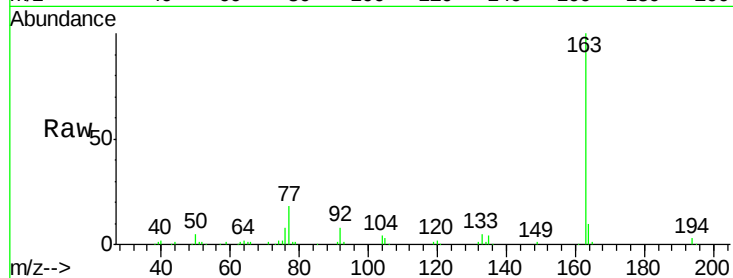
#49
Dimethylphthalate
Concen: 11.36 ng
RT: 14.07 min Scan# 1911
Delta R.T. -0.02 min
Lab File: BG022504.D
Acq: 23 Jun 2016 4:29

Instrument :
BNA_G
ClientSampleId :
HF-4-WC-3RE

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.5	3.0	4.6
164	9.9	8.1	12.1

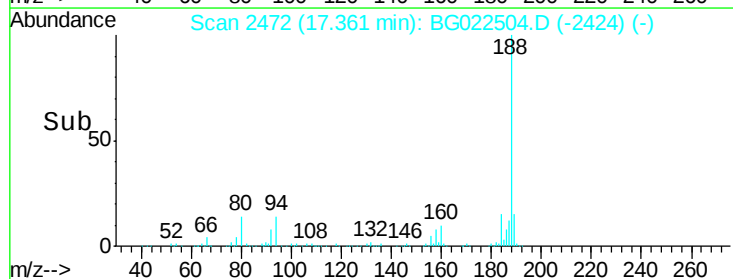
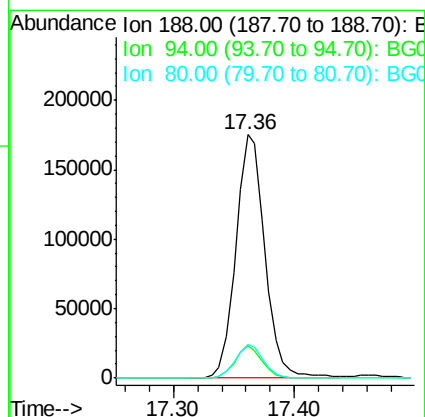
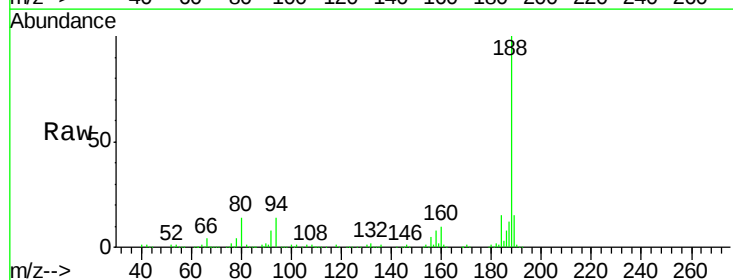
Manual Integrations
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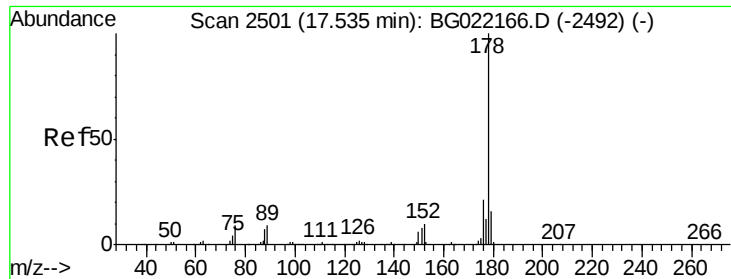
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.36 min Scan# 2472
Delta R.T. -0.02 min
Lab File: BG022504.D
Acq: 23 Jun 2016 4:29

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	13.5	7.5	11.3#
80	13.6	8.6	13.0#





#70

Phenanthrene

Concen: 10.61 ng

RT: 17.40 min Scan# 2479

Delta R.T. -0.02 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Instrument :

BNA_G

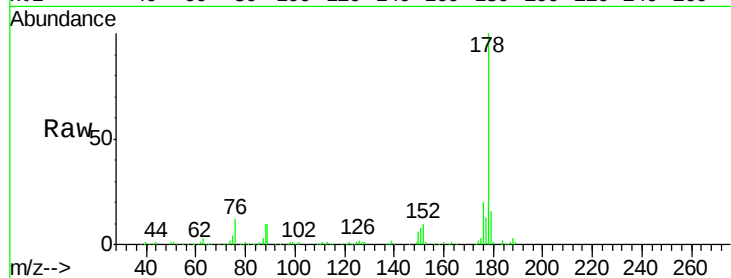
ClientSampleId :

HF-4-WC-3RE

Tot Ion:	178	Resp:	168284
Ion Ratio	Lower	Upper	
178	100		
176	20.4	16.2	24.4
179	15.9	12.0	18.0

Manual Integrations
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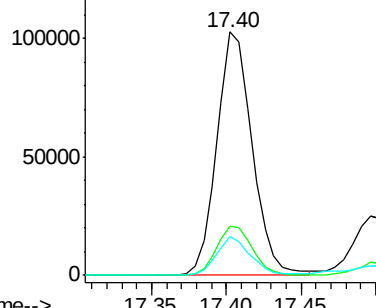
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6/23/2016 7:07:25 PM



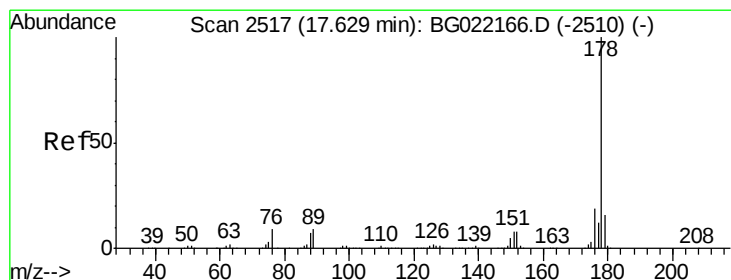
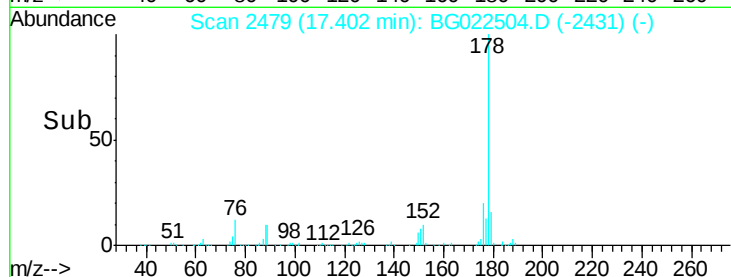
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 2.80 ng

RT: 17.50 min Scan# 2495

Delta R.T. -0.02 min

Lab File: BG022504.D

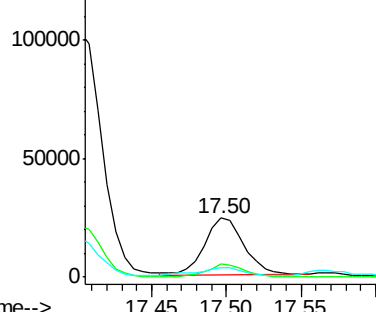
Acq: 23 Jun 2016 4:29

Tgt Ion:	178	Resp:	44026
Ion Ratio	Lower	Upper	
178	100		
176	21.9	15.0	22.4
179	16.9	12.2	18.4

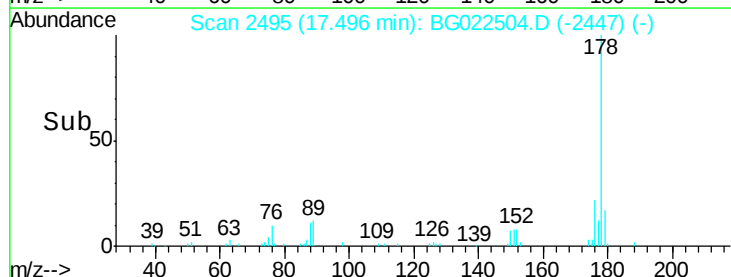
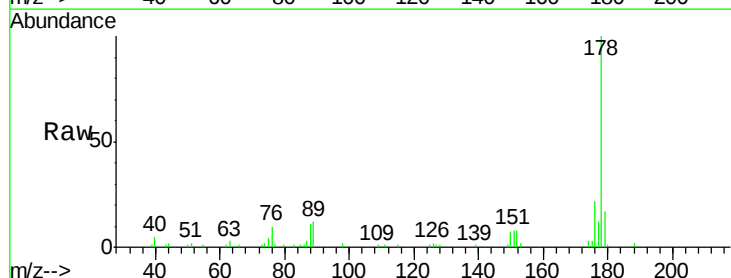
Abundance Ion 178.00 (177.70 to 178.70): E

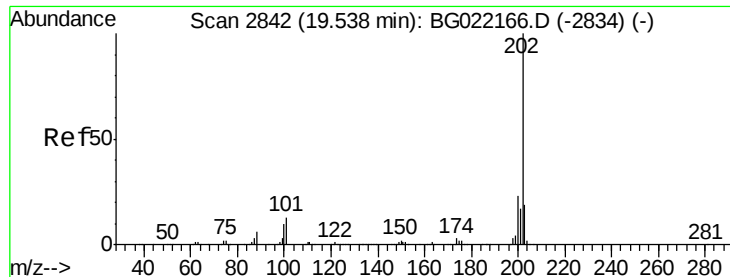
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 15.14 ng

RT: 19.41 min Scan# 2821

Delta R.T. -0.02 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Instrument :

BNA_G

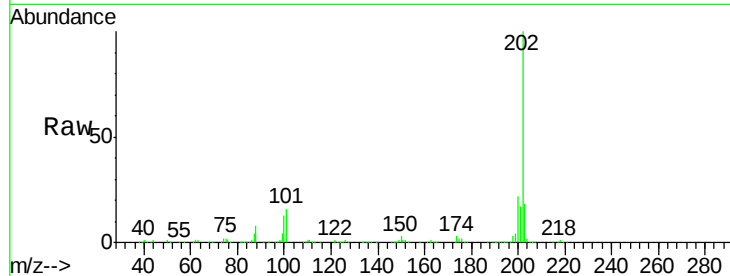
ClientSampleId :

HF-4-WC-3RE

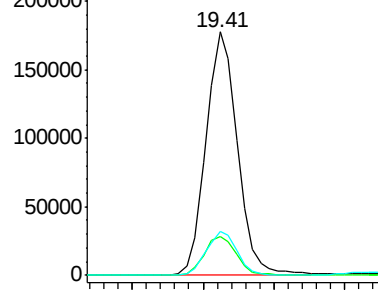
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		276172		
101	16.0	0.0	31.0		
203	18.0	0.0	37.9		

Manual Integrations
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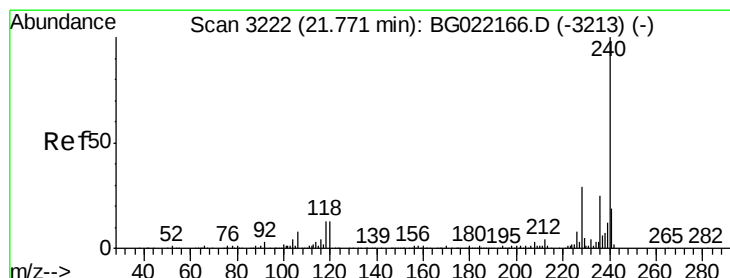
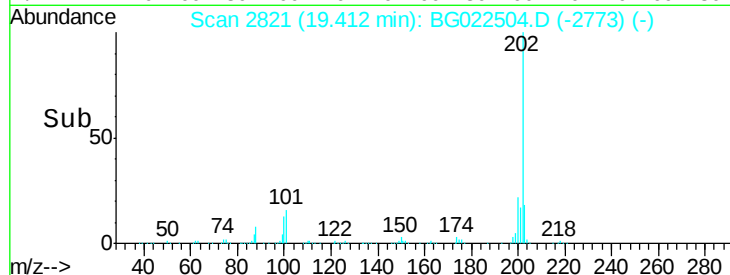
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.62 min Scan# 3197

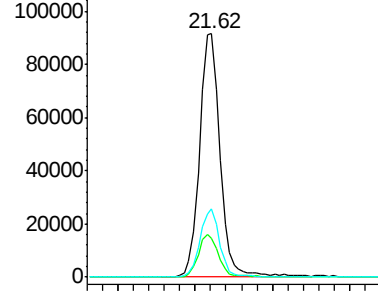
Delta R.T. -0.02 min

Lab File: BG022504.D

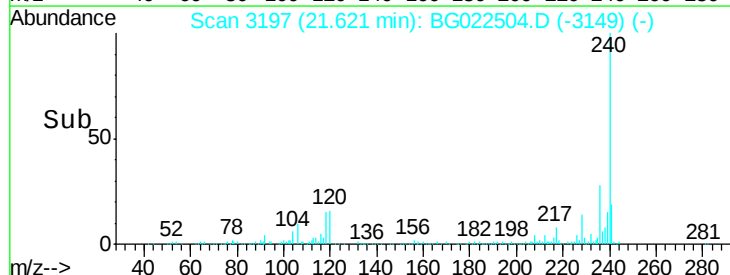
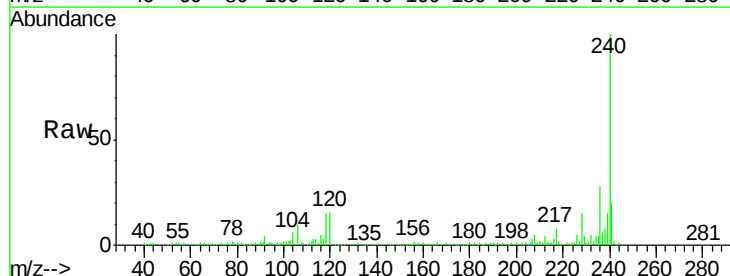
Acq: 23 Jun 2016 4:29

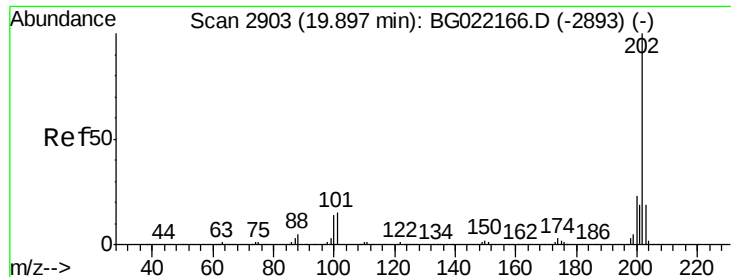
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		170548		
120	15.8	8.4	12.6#		
236	28.1	19.6	29.4		

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pvrene

Concen: 20.16 ng

RT: 19.78 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Instrument :

BNA_G

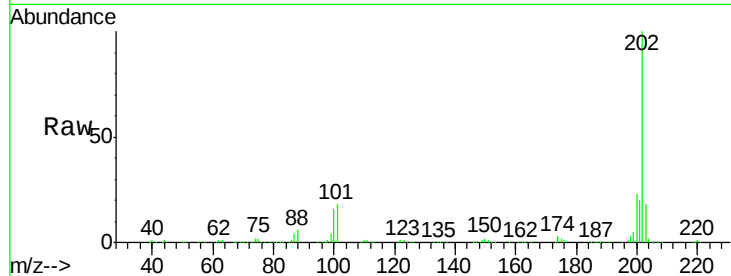
ClientSampleId :

HF-4-WC-3RE

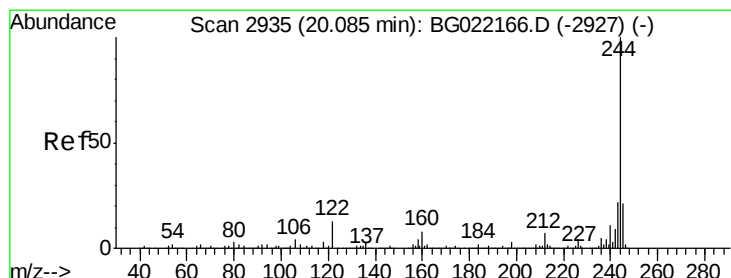
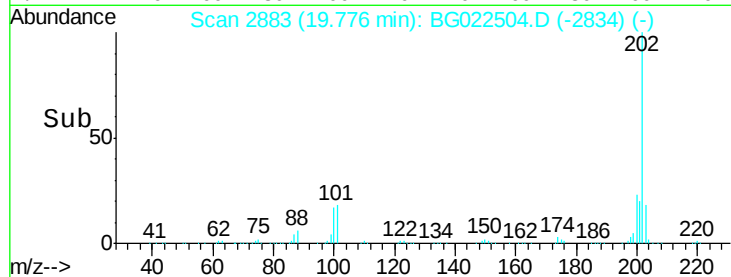
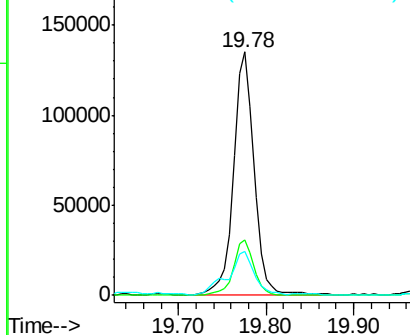
Tot Ion:	202	Resp:	213728
Ion Ratio		Lower	Upper
202	100		
200	22.6	18.2	27.2
203	17.8	15.0	22.4

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



#78

Terphenyl-d14

Concen: 99.10 ng

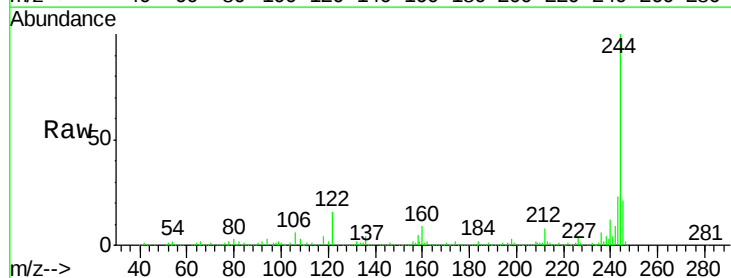
RT: 19.96 min Scan# 2915

Delta R.T. -0.01 min

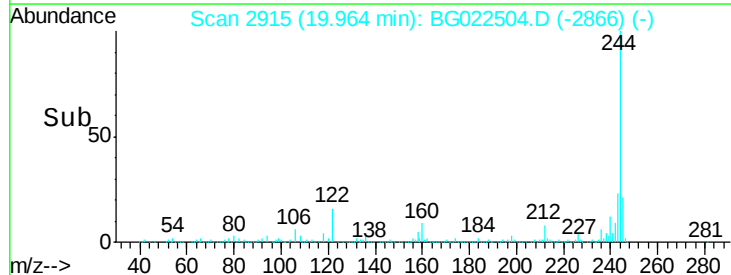
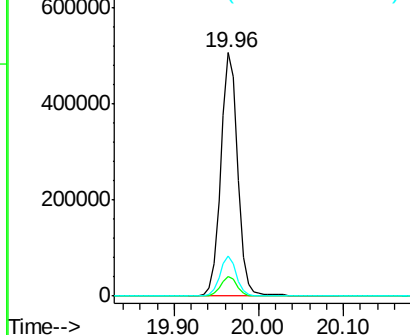
Lab File: BG022504.D

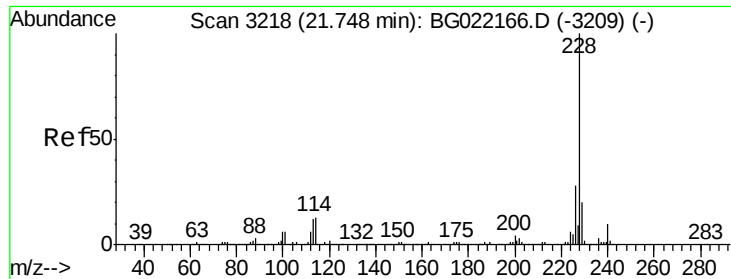
Acq: 23 Jun 2016 4:29

Tgt Ion:	244	Resp:	711936
Ion Ratio		Lower	Upper
244	100		
212	7.8	6.5	9.7
122	16.3	8.6	12.8#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





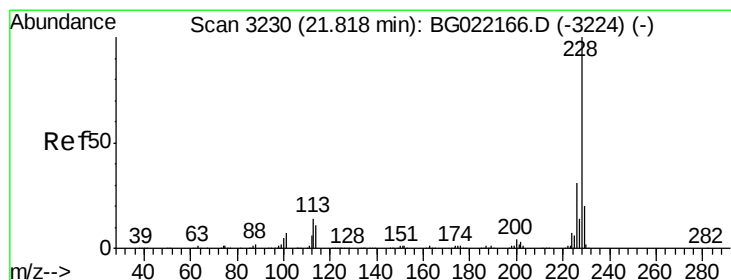
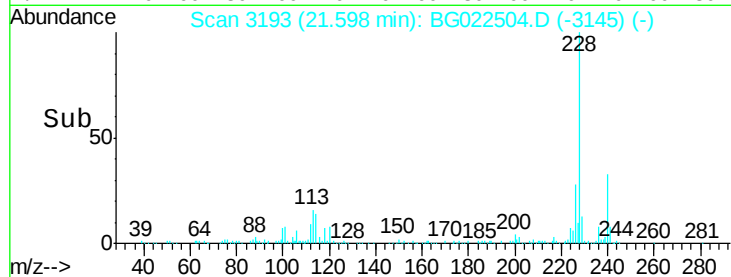
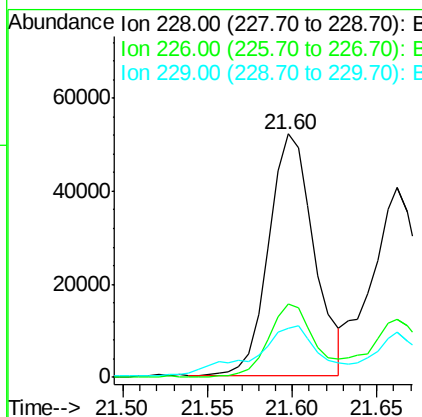
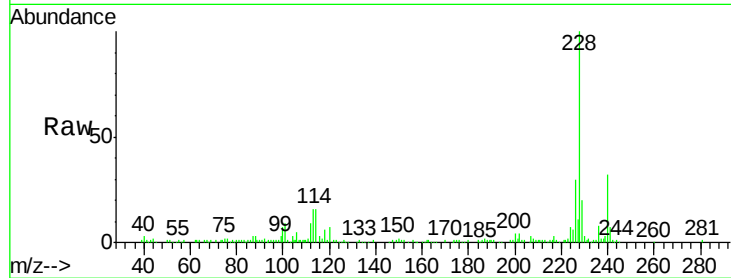
#80
Benzo(a)anthracene
Concen: 10.12 ng
RT: 21.60 min Scan# 3193
Delta R.T. -0.02 min
Lab File: BG022504.D
Acq: 23 Jun 2016 4:29

Instrument :
BNA_G
ClientSampleId :
HF-4-WC-3RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.6	34.0
229	20.0	16.1	24.1

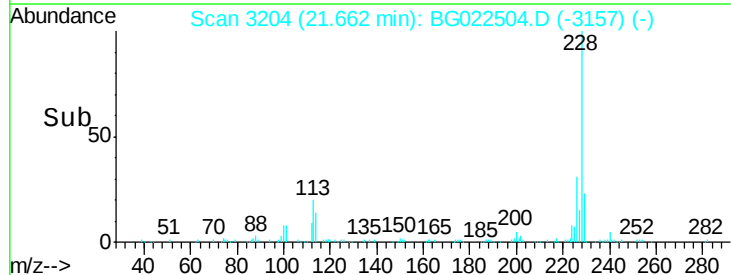
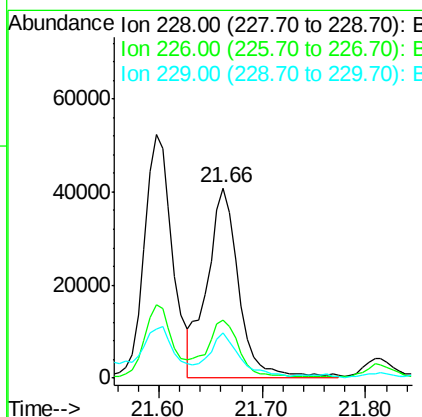
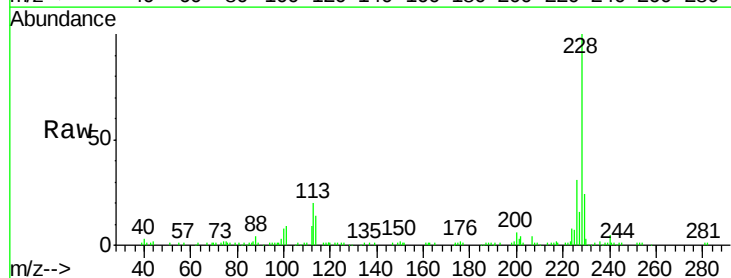
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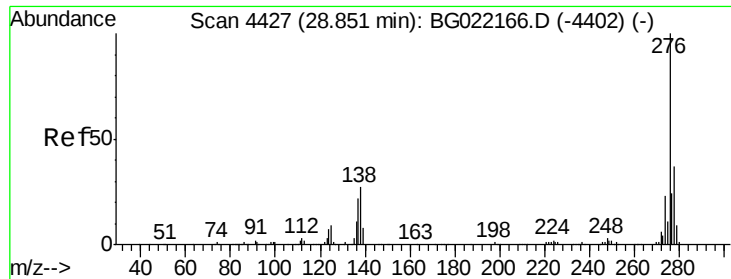
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#82
Chrysene
Concen: 9.48 ng m
RT: 21.66 min Scan# 3204
Delta R.T. -0.03 min
Lab File: BG022504.D
Acq: 23 Jun 2016 4:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.4	38.0
229	23.8	15.9	23.9





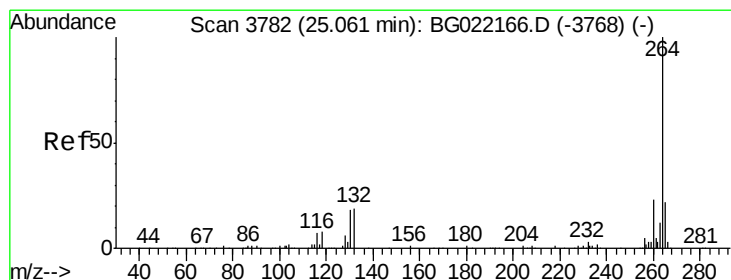
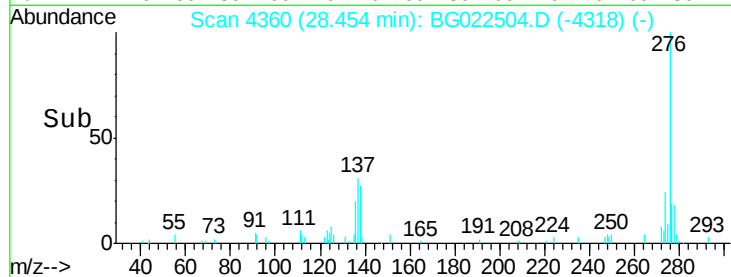
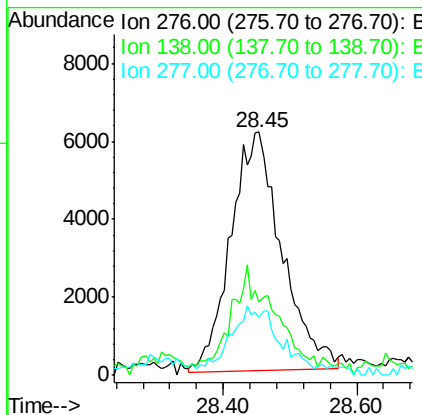
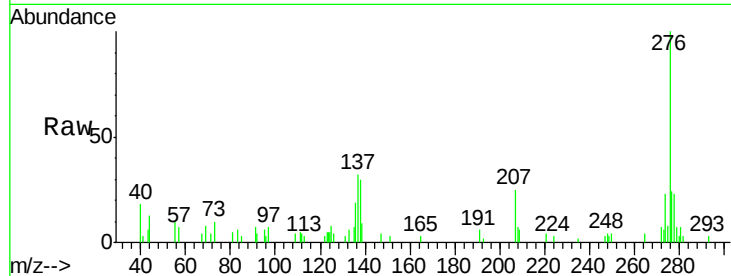
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.11 ng
RT: 28.45 min Scan# 4360
Delta R.T. -0.06 min
Lab File: BG022504.D
Acq: 23 Jun 2016 4:29

Instrument :
BNA_G
ClientSampleId :
HF-4-WC-3RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	36.2	14.0	21.0
277	22.4	20.6	30.8

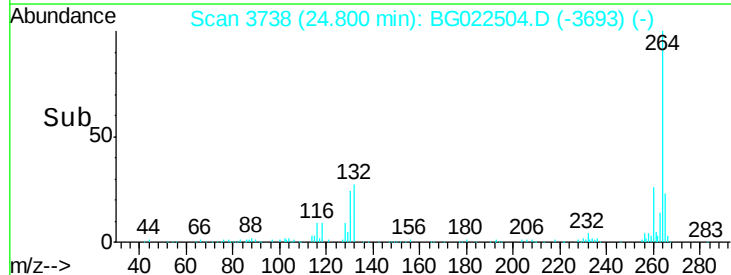
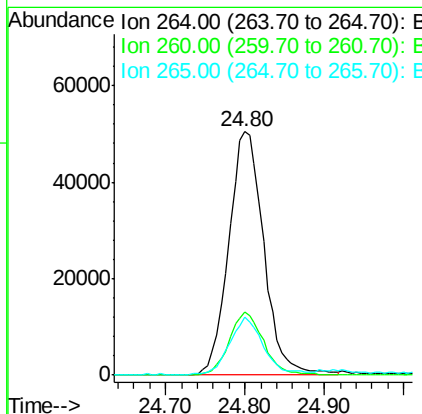
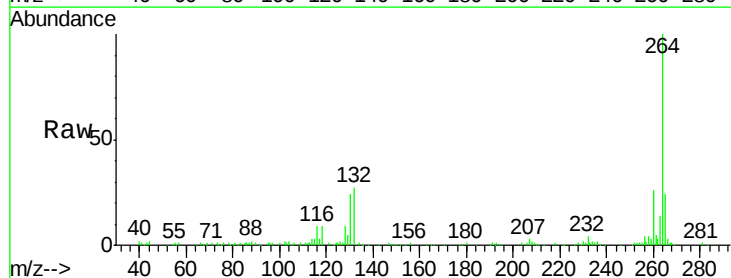
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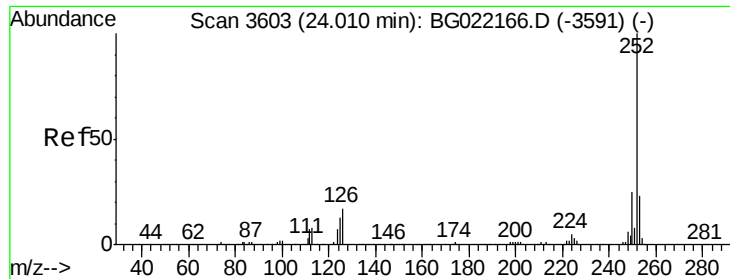
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#86
Perylene-d12
Concen: 20.00 ng
RT: 24.80 min Scan# 3738
Delta R.T. -0.04 min
Lab File: BG022504.D
Acq: 23 Jun 2016 4:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.2	30.4
265	23.7	17.8	26.8





#87

Benzo(b)fluoranthene

Concen: 9.72 ng

RT: 23.79 min Scan# 3567

Delta R.T. -0.03 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Instrument :

BNA_G

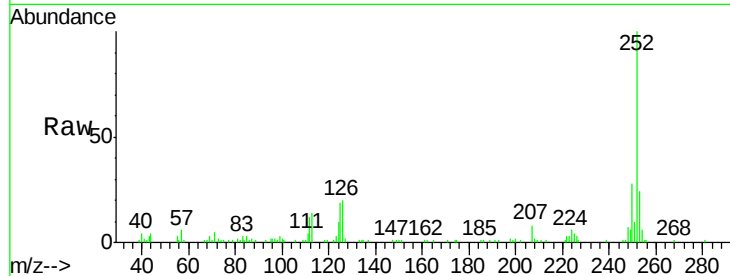
ClientSampleId :

HF-4-WC-3RE

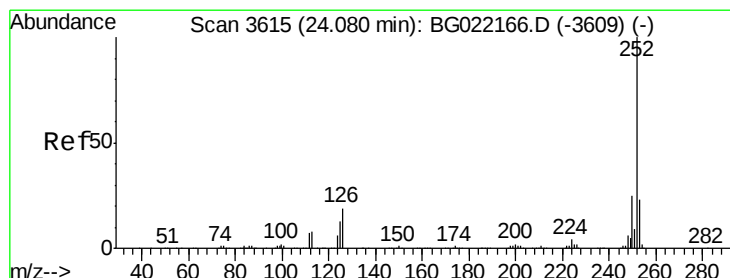
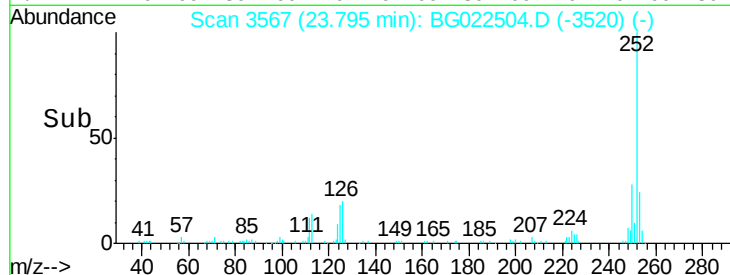
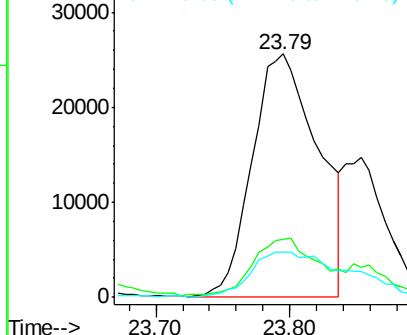
Tot Ion:	252	Resp:	87683
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.5	26.3
125	18.6	8.6	13.0#

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



#88

Benzo(k)fluoranthene

Concen: 3.83 ng m

RT: 23.85 min Scan# 3577

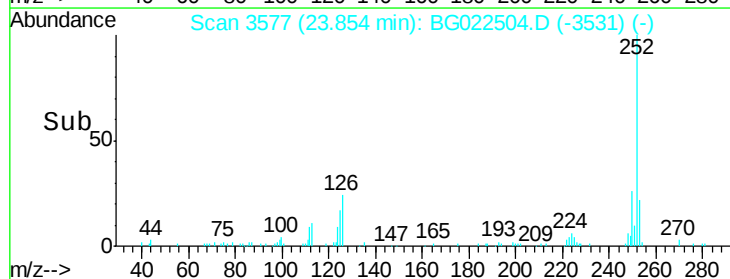
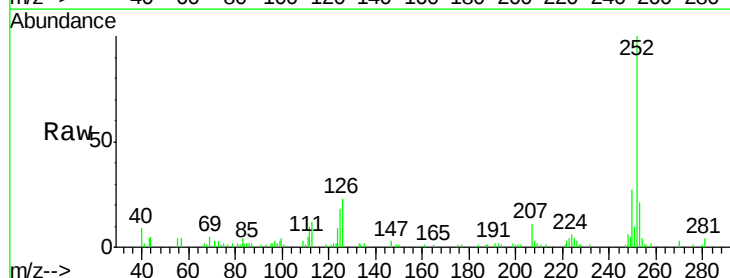
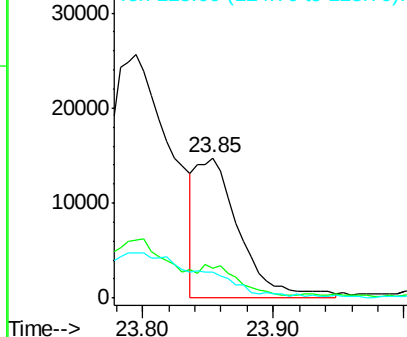
Delta R.T. -0.03 min

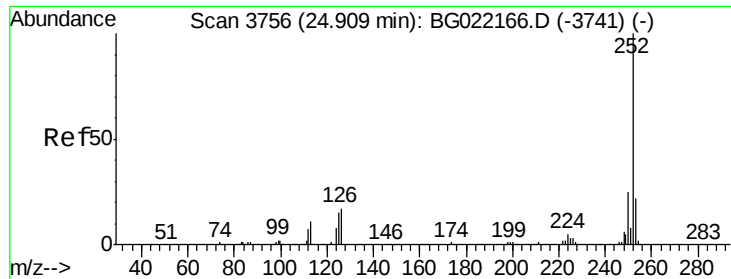
Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Tgt Ion:	252	Resp:	34049
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.8	26.8
125	18.5	8.3	12.5#

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





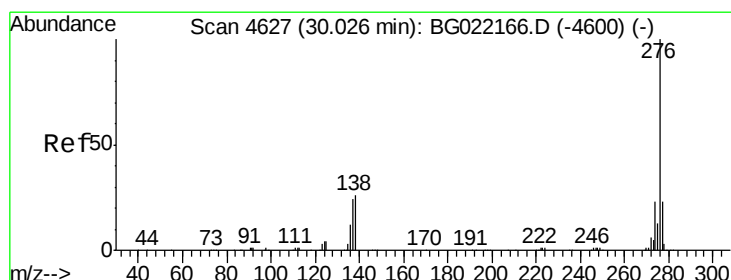
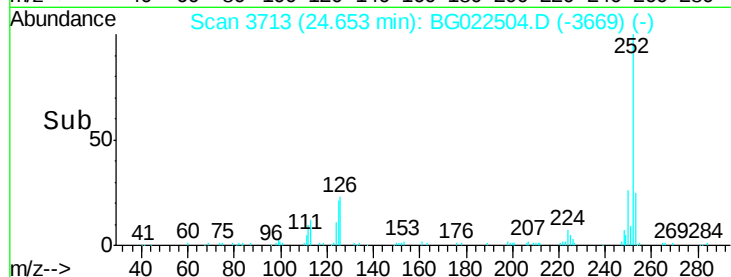
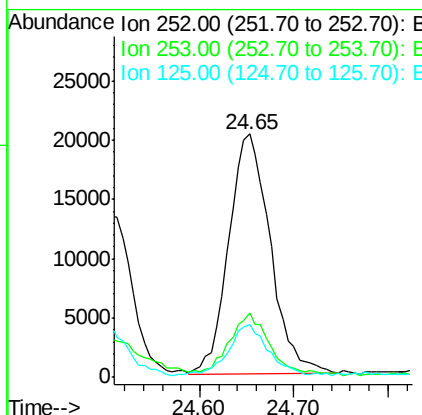
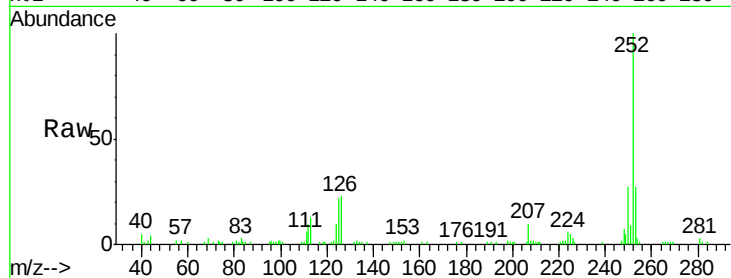
#89
Benzo(a)pyrene
Concen: 7.16 ng
RT: 24.65 min Scan# 3713
Delta R.T. -0.04 min
Lab File: BG022504.D
Acq: 23 Jun 2016 4:29

Instrument :
BNA_G
ClientSampleId :
HF-4-WC-3RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.1	25.7#
125	21.7	9.6	14.4#

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#91
Benzo(g,h,i)perylene
Concen: 3.83 ng
RT: 29.58 min Scan# 4552
Delta R.T. -0.08 min
Lab File: BG022504.D
Acq: 23 Jun 2016 4:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.4	29.2
138	38.4	17.4	26.0#

