

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
 Data File : BG022444.D
 Acq On : 19 Jun 2016 4:38
 Operator : UM/SJ
 Sample : H3489-07
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S7-B5(6-12)C

Manual Integrations
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Quant Time: Jun 20 04:23:56 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 17:40:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	40416	20.00	ng	-0.04
21) Naphthalene-d8	10.87	136	190767	20.00	ng	-0.04
38) Acenaphthene-d10	14.69	164	100690	20.00	ng	-0.04
63) Phenanthrene-d10	17.44	188	176497	20.00	ng	-0.03
75) Chrysene-d12	21.70	240	133769	20.00	ng	-0.04
86) Perylene-d12	24.95	264	99451	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	349024	166.97	ng	-0.03
7) Phenol-d6	7.24	99	511526	155.64	ng	-0.02
23) Nitrobenzene-d5	9.22	82	281085	102.73	ng	-0.04
41) 2,4,6-Tribromophenol	16.18	330	127207	111.81	ng	-0.03
44) 2-Fluorobiphenyl	13.30	172	559500	84.68	ng	-0.04
78) Terphenyl-d14	20.03	244	440299	78.14	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	14.13	163	76529	9.17	ng	99
70) Phenanthrene	17.48	178	43847	4.57	ng	98
74) Fluoranthene	19.48	202	198158	17.98	ng	97
77) Pyrene	19.84	202	169563	20.39	ng	98
80) Benzo(a)anthracene	21.68	228	81571	10.87	ng	97
82) Chrysene	21.75	228	76467	10.48	ng	96
85) Indeno(1,2,3-cd)pyrene	28.69	276	18174	2.22	ng	# 77
87) Benzo(b)fluoranthene	23.92	252	78357	13.51	ng	# 89
88) Benzo(k)fluoranthene	23.98	252	37462m	6.56	ng	
89) Benzo(a)pyrene	24.80	252	50559	9.12	ng	# 80
91) Benzo(g,h,i)perylene	29.83	276	13360m	2.46	ng	

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

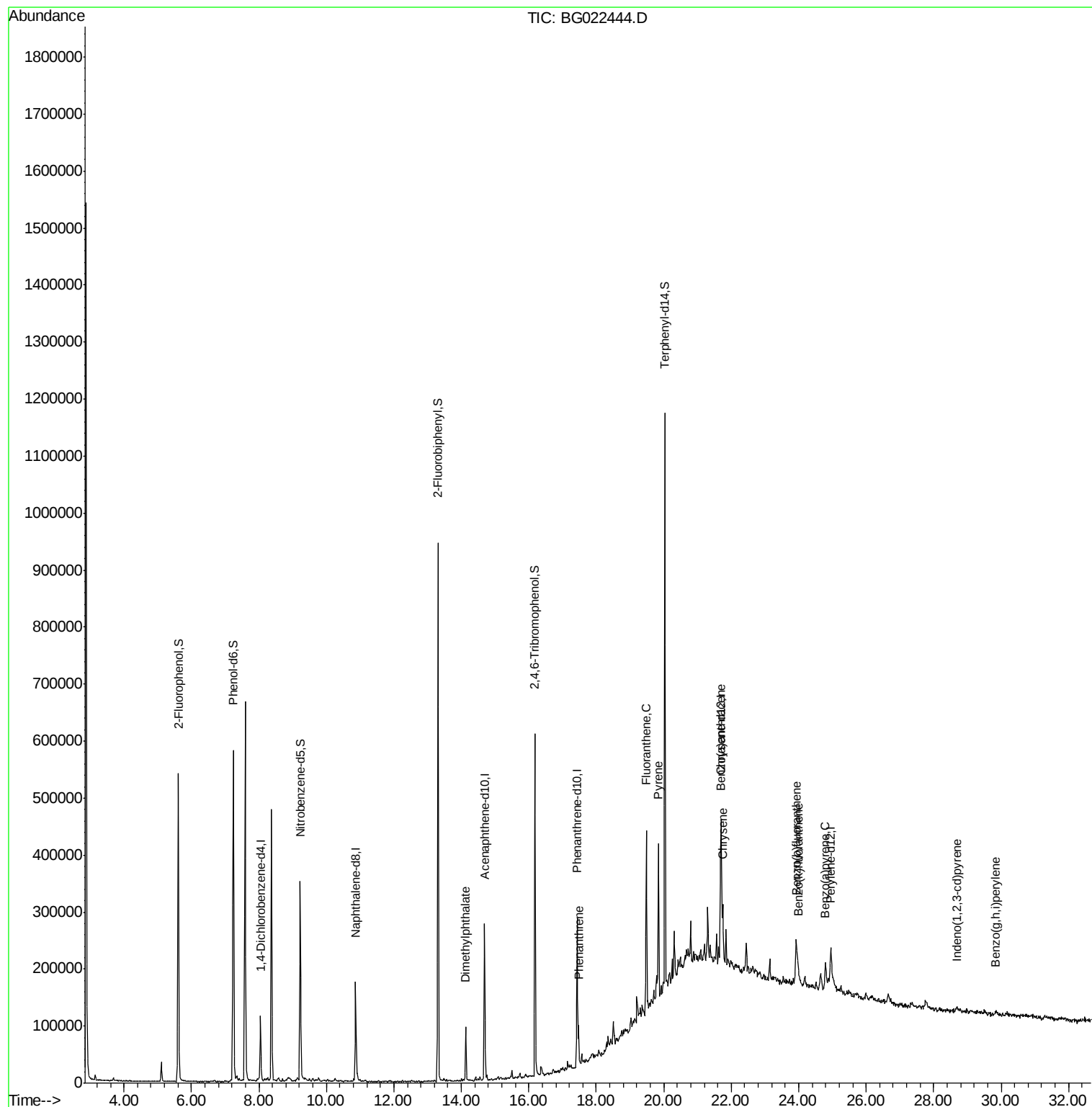
Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022444.D
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ALS Vial : 53 Sample Multiplier: 1

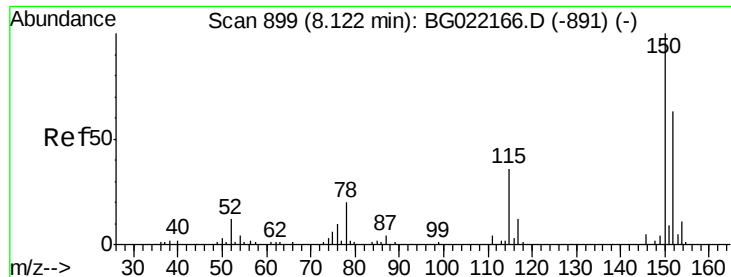
Instrument :
BNA_G
ClientSampleId :
S7-B5(6-12)C

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Quant Time: Jun 20 04:23:56 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 17:40:23 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 886

Delta R.T. -0.04 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Instrument :

BNA_G

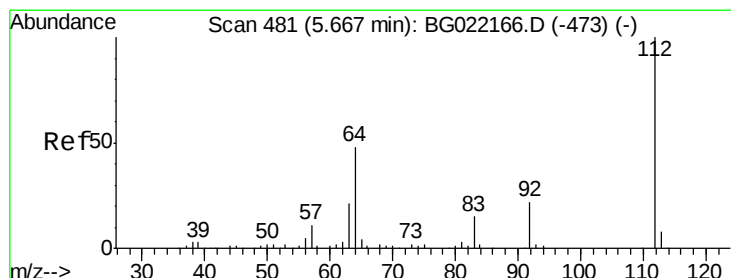
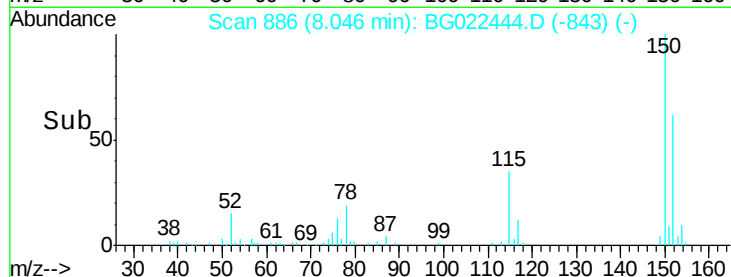
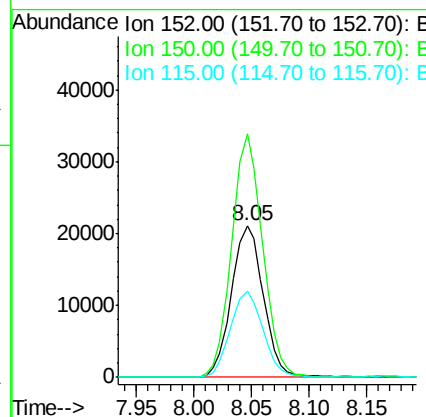
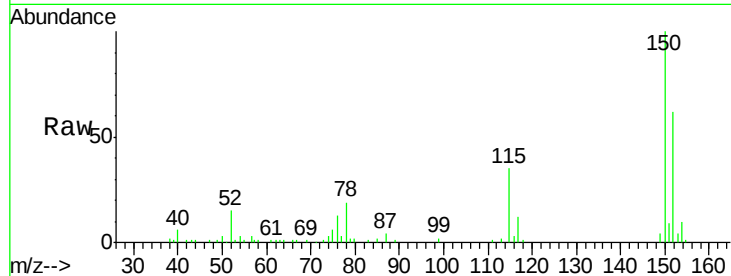
ClientSampleId :

S7-B5(6-12)C

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	130.1	195.1
115	56.7	62.2	93.2

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#5

2-Fluorophenol

Concen: 166.97 ng

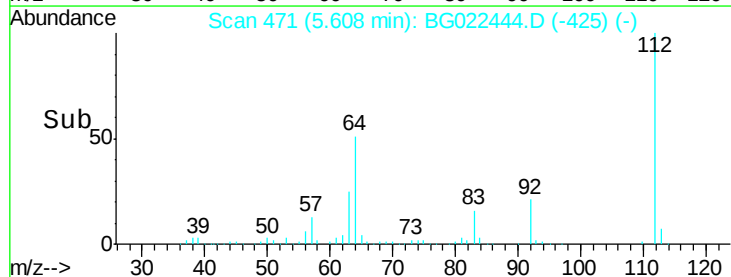
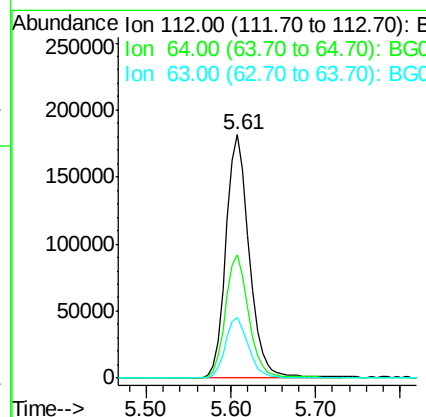
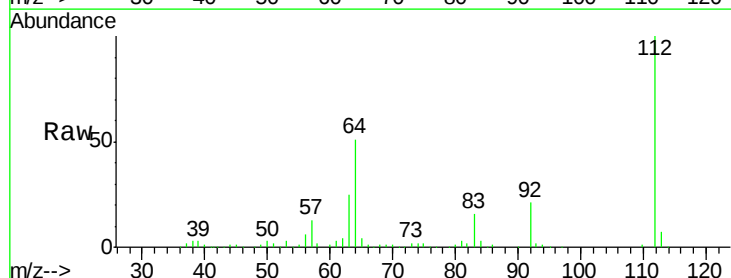
RT: 5.61 min Scan# 471

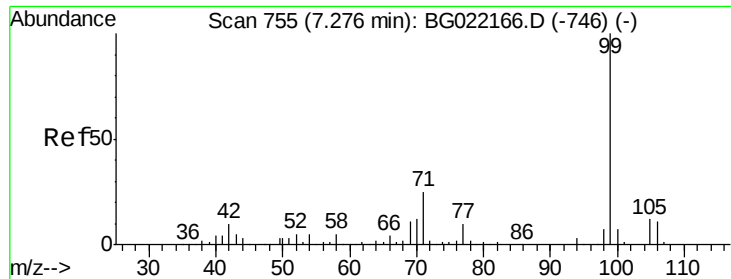
Delta R.T. -0.03 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.7	51.1	76.7
63	25.0	24.6	37.0





#7

Phenol-d6

Concen: 155.64 ng

RT: 7.24 min Scan# 748

Delta R.T. -0.02 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Instrument :

BNA_G

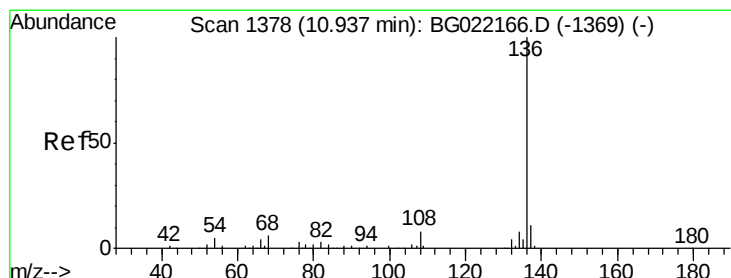
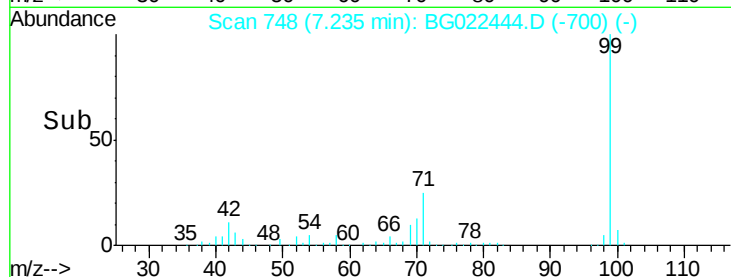
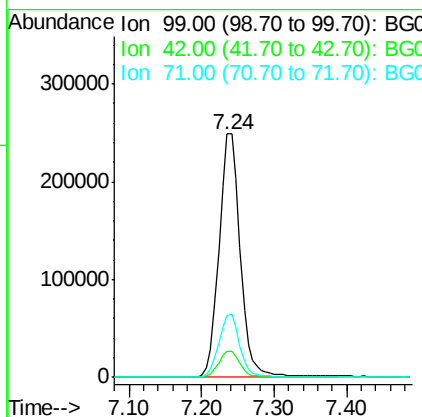
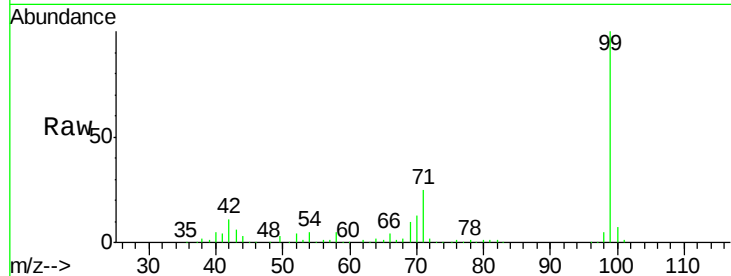
ClientSampleId :

S7-B5(6-12)C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		511526		
42	10.7	16.4	24.6#		
71	25.3	25.0	37.4		

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#21

Naphthalene-d8

Concen: 20.00 ng

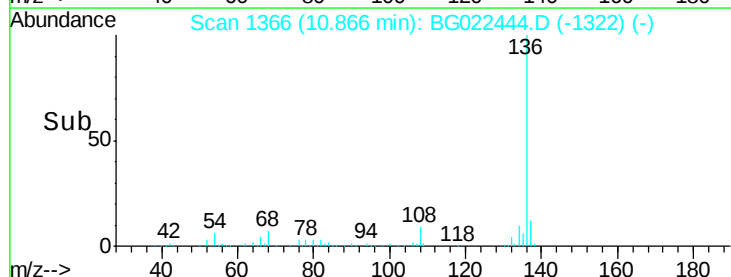
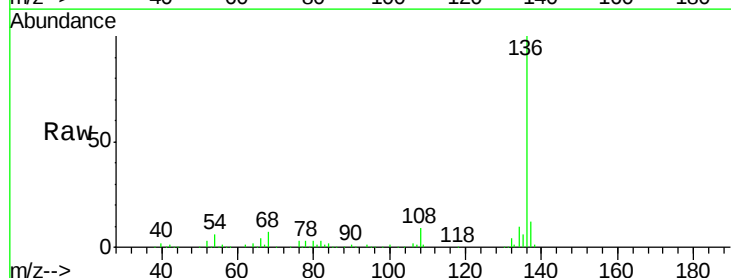
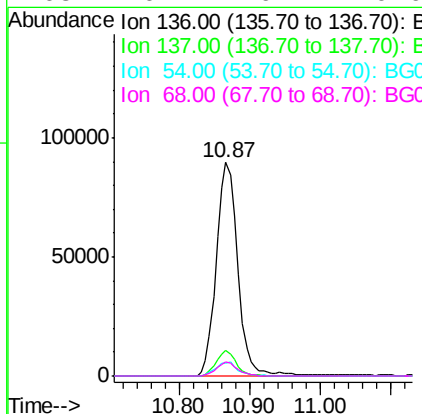
RT: 10.87 min Scan# 1366

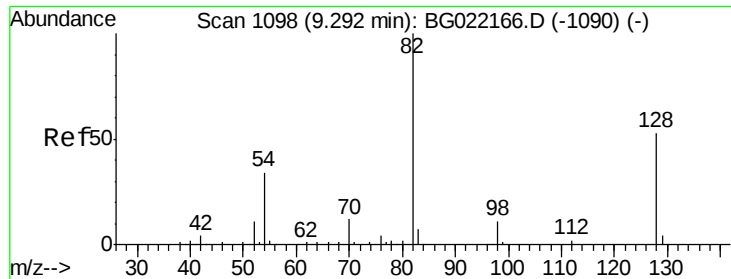
Delta R.T. -0.04 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		190767		
137	12.2	9.0	13.4		
54	6.2	9.6	14.4#		
68	6.7	6.4	9.6		





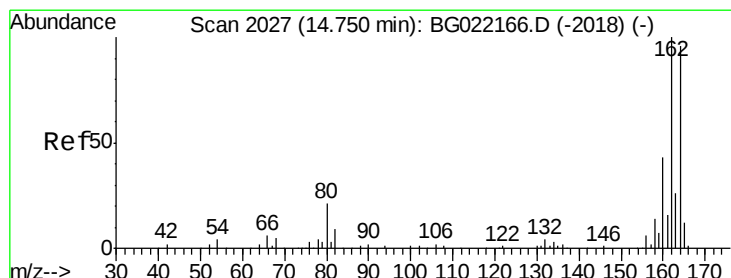
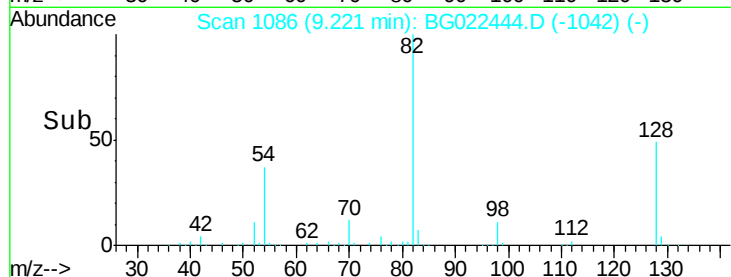
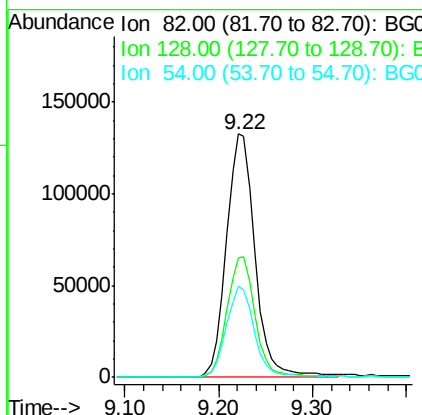
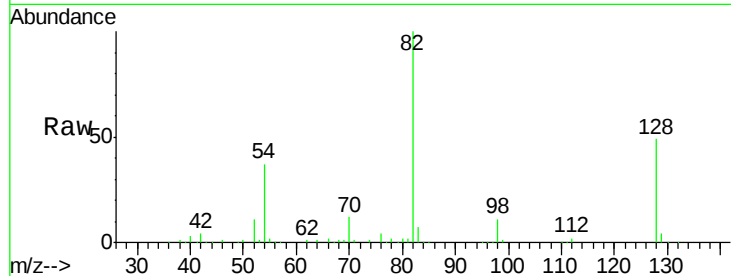
#23
 Nitrobenzene-d5
 Concen: 102.73 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.04 min
 Lab File: BG022444.D
 Acq: 19 Jun 2016 4:38

Instrument :
 BNA_G
 ClientSampleId :
 S7-B5(6-12)C

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	48.9	33.4	50.0
54	37.4	46.1	69.1#

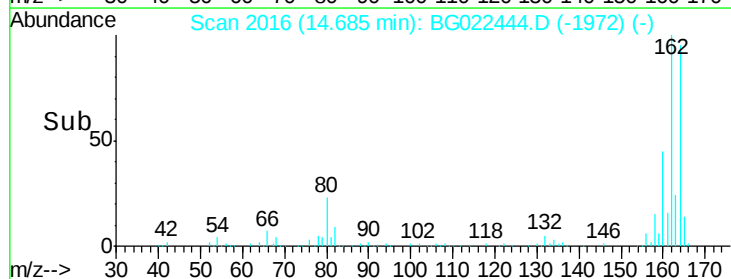
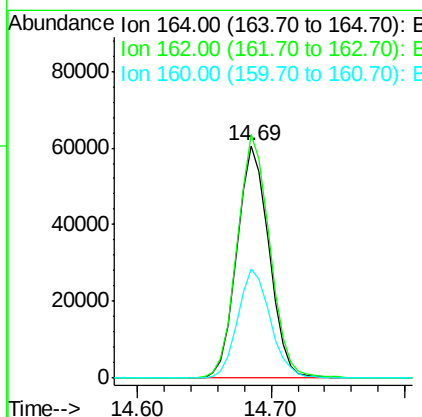
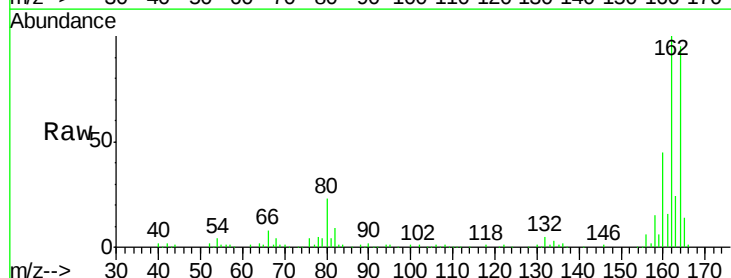
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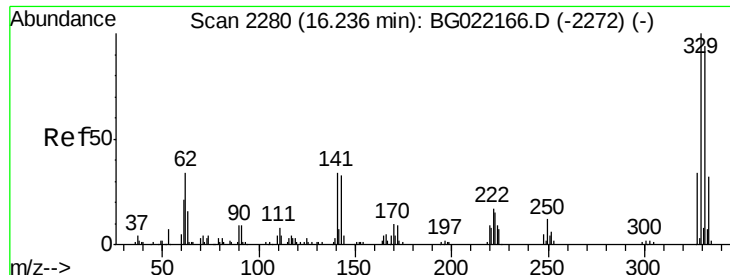
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.69 min Scan# 2016
 Delta R.T. -0.04 min
 Lab File: BG022444.D
 Acq: 19 Jun 2016 4:38

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	104.7	78.0	117.0
160	46.8	32.9	49.3





#41

2,4,6-Tribromophenol

Concen: 111.81 ng

RT: 16.18 min Scan# 2271

Delta R.T. -0.03 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Instrument :

BNA_G

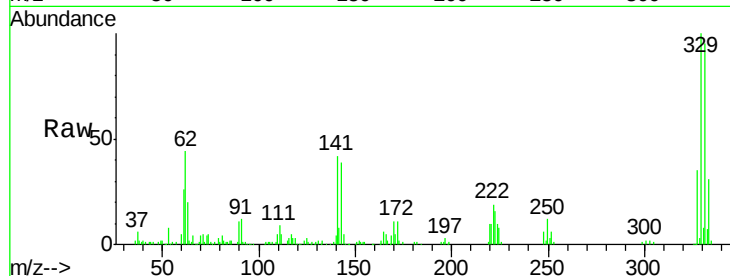
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S7-B5(6-12)C

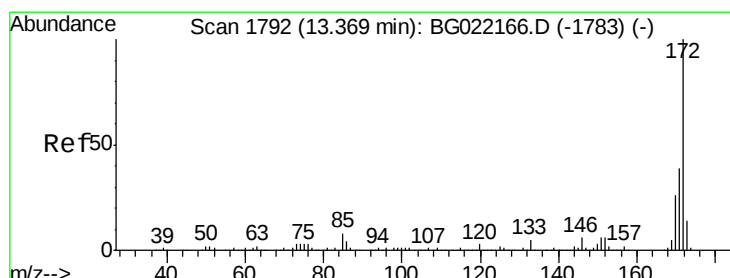
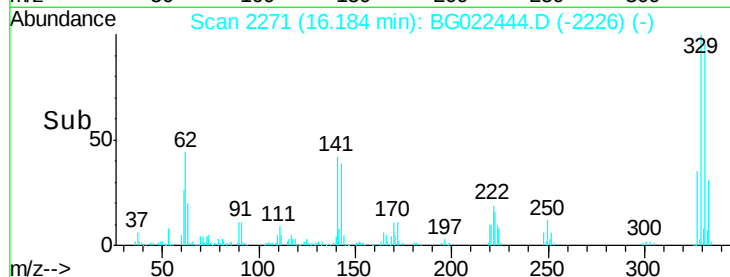
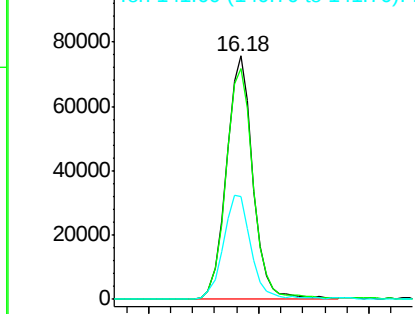
Tot Ion:	330	Resp:	127207
Ion Ratio	Lower	Upper	
330	100		
332	97.4	78.0	117.0
141	44.7	33.8	50.8

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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: 84.68 ng

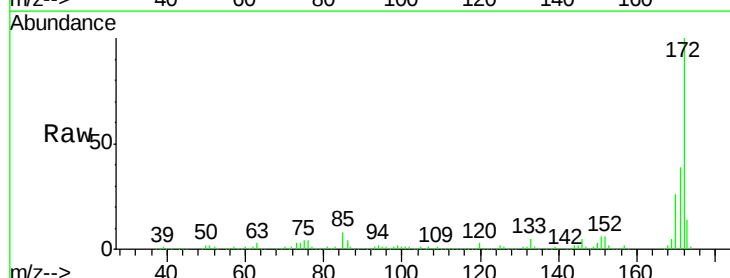
RT: 13.30 min Scan# 1781

Delta R.T. -0.04 min

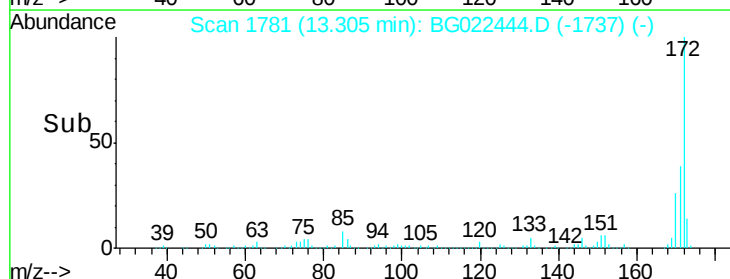
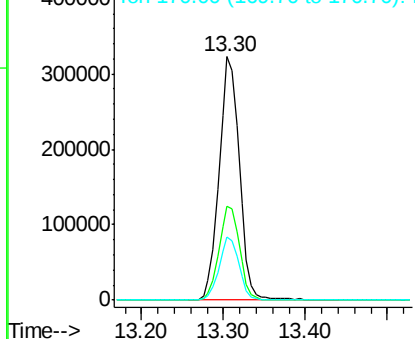
Lab File: BG022444.D

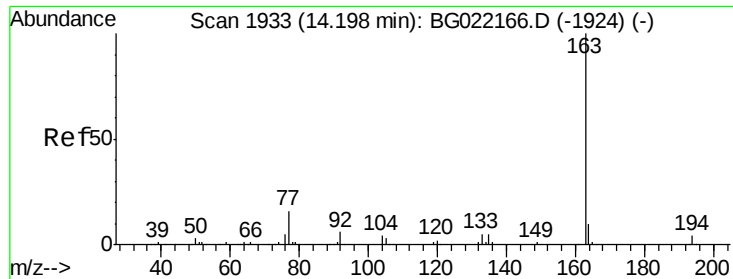
Acq: 19 Jun 2016 4:38

Tgt Ion:	172	Resp:	559500
Ion Ratio	Lower	Upper	
172	100		
171	38.8	27.8	41.6
170	25.8	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





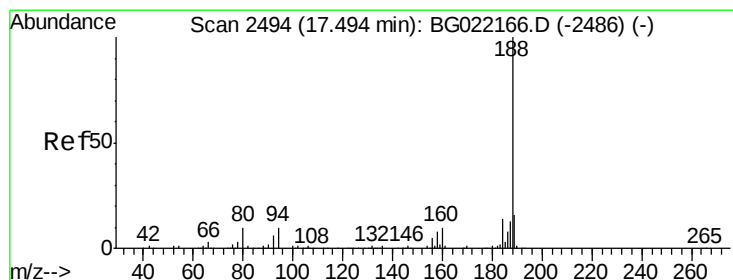
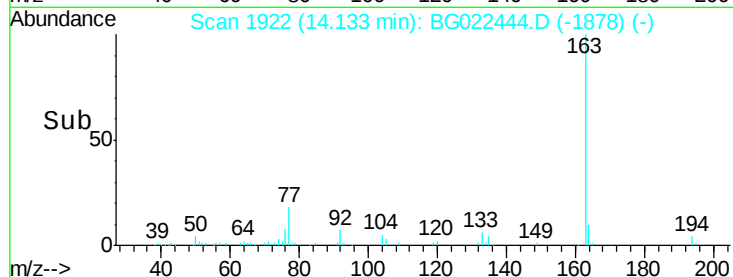
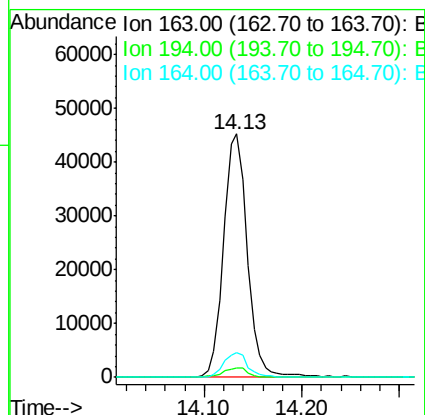
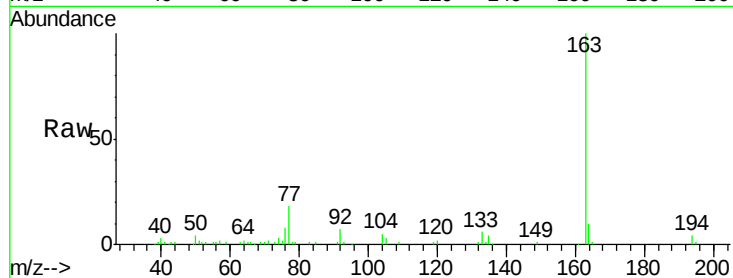
#49
Dimethylphthalate
Concen: 9.17 ng
RT: 14.13 min Scan# 1922
Delta R.T. -0.04 min
Lab File: BG022444.D
Acq: 19 Jun 2016 4:38

Instrument :
BNA_G
ClientSampleId :
S7-B5(6-12)C

Tot Ion	Ratio	Resp	Lower	Upper
163	100	76529		
194	4.0		3.0	4.6
164	10.4		8.1	12.1

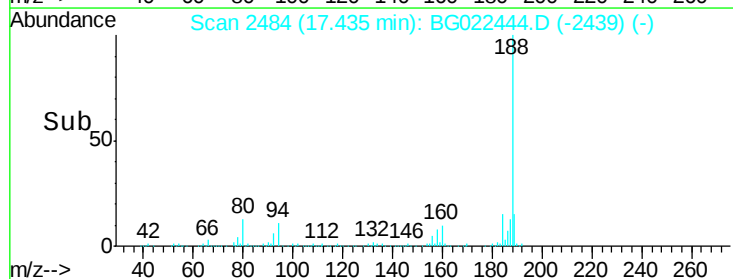
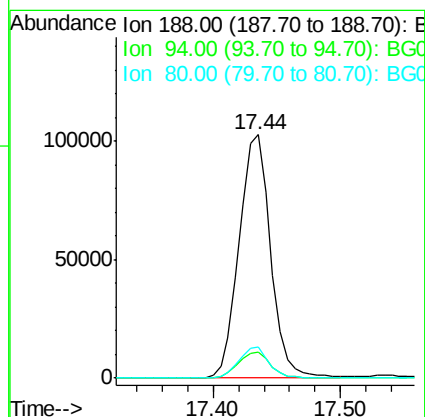
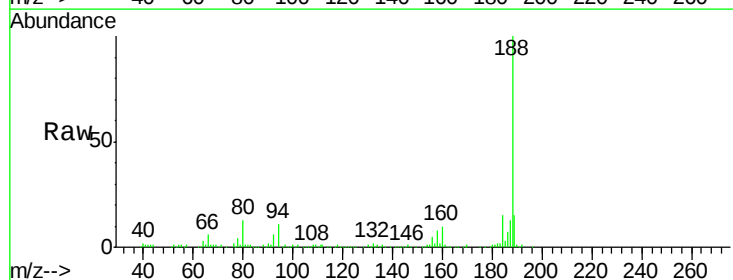
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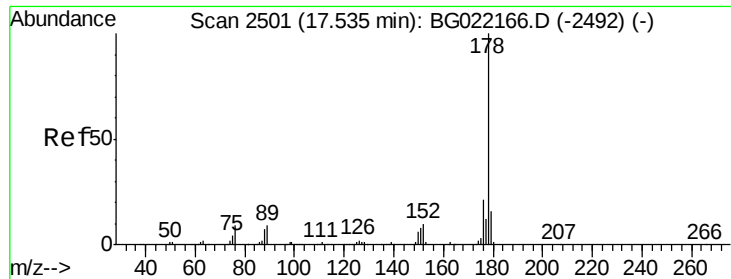
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.44 min Scan# 2484
Delta R.T. -0.03 min
Lab File: BG022444.D
Acq: 19 Jun 2016 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	176497		
94	10.8		7.5	11.3
80	13.0		8.6	13.0#





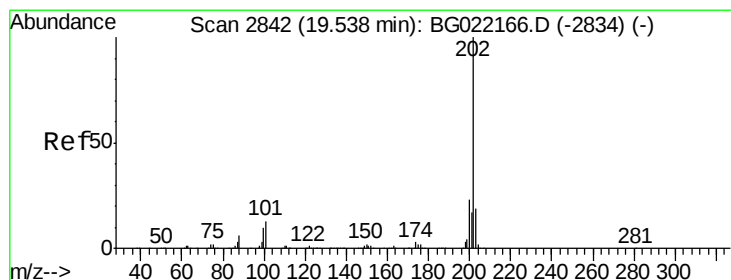
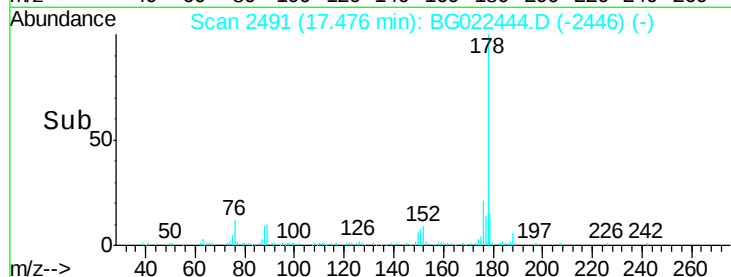
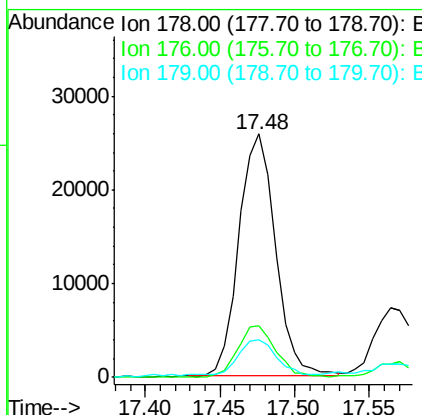
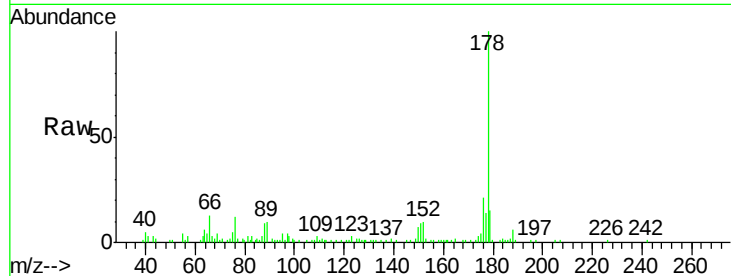
#70
Phenanthrene
Concen: 4.57 ng
RT: 17.48 min Scan# 2491
Delta R.T. -0.03 min
Lab File: BG022444.D
Acq: 19 Jun 2016 4:38

Instrument :
BNA_G
ClientSampleId :
S7-B5(6-12)C

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.3	16.2	24.4
179	15.3	12.0	18.0

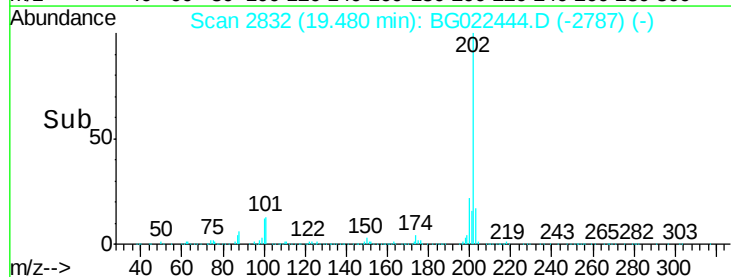
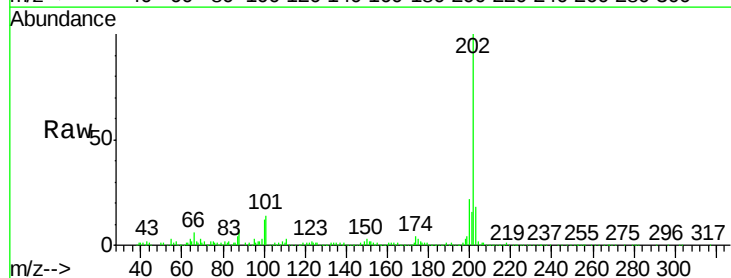
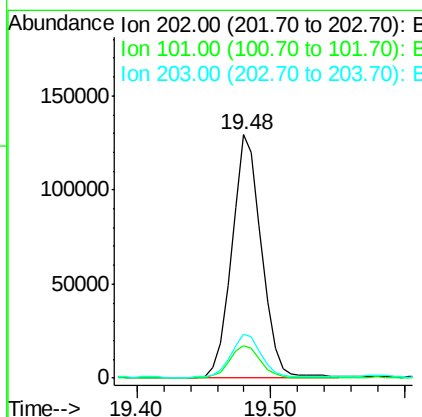
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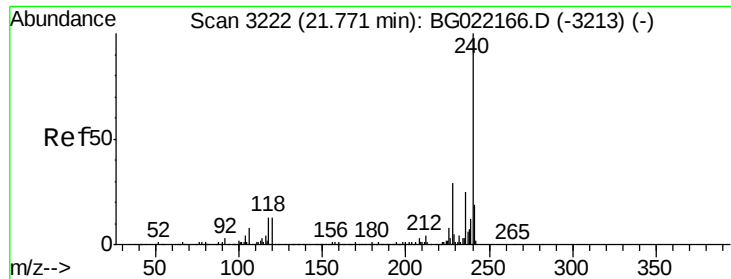
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#74
Fluoranthene
Concen: 17.98 ng
RT: 19.48 min Scan# 2832
Delta R.T. -0.03 min
Lab File: BG022444.D
Acq: 19 Jun 2016 4:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	31.0
203	17.8	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.70 min Scan# 3210

Delta R.T. -0.04 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Instrument :

BNA_G

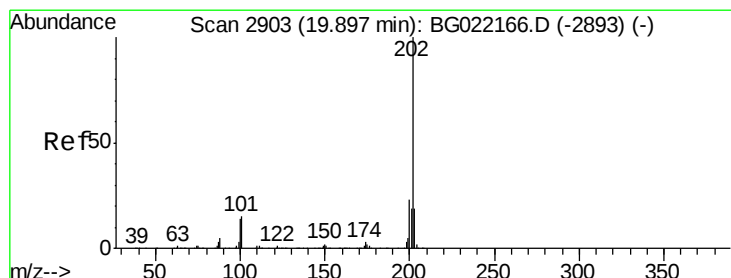
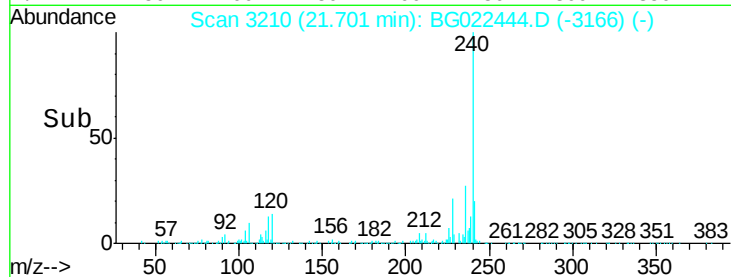
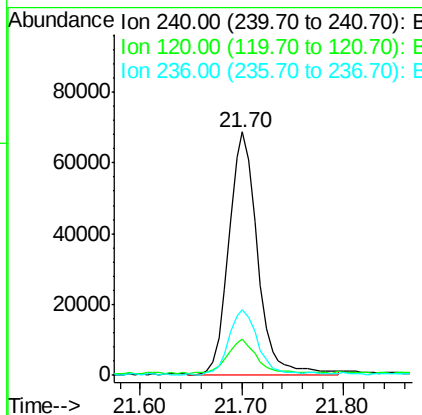
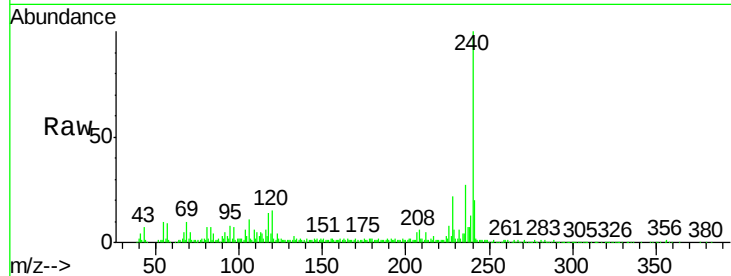
ClientSampleId :

S7-B5(6-12)C

Tot Ion:	240	Resp:	133769
Ion Ratio	Lower	Upper	
240	100		
120	14.9	8.4	12.6#
236	27.0	19.6	29.4

Manual Integrations
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#77

Pyrene

Concen: 20.39 ng

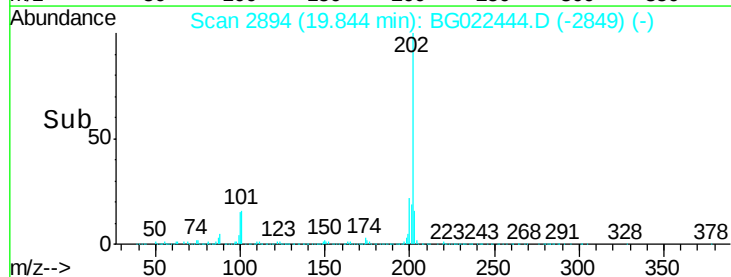
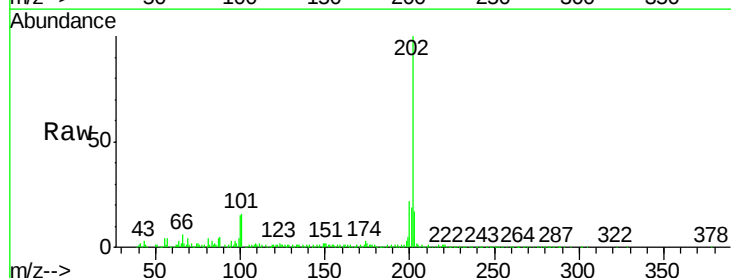
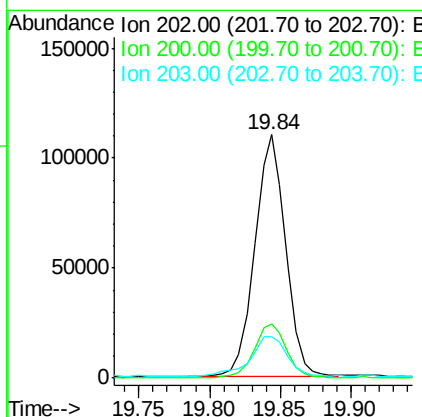
RT: 19.84 min Scan# 2894

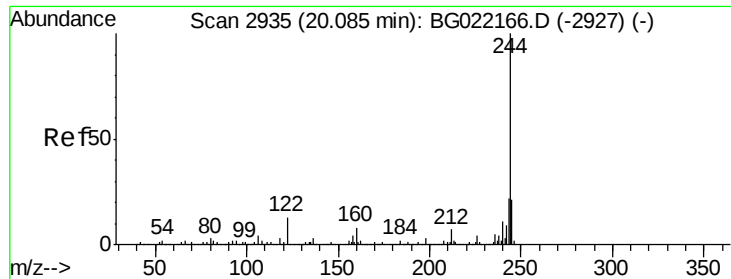
Delta R.T. -0.03 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Tgt Ion:	202	Resp:	169563
Ion Ratio	Lower	Upper	
202	100		
200	22.1	18.2	27.2
203	17.1	15.0	22.4





#78

Terphenyl-d14

Concen: 78.14 ng

RT: 20.03 min Scan# 2925

Delta R.T. -0.03 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Instrument :

BNA_G

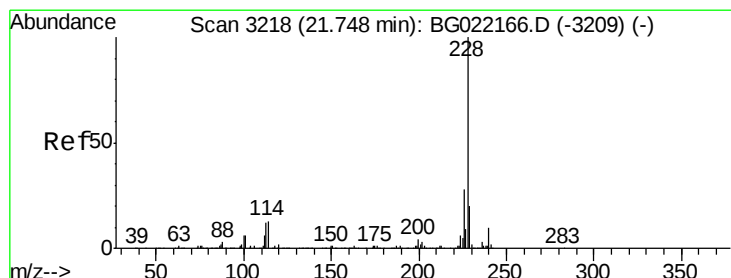
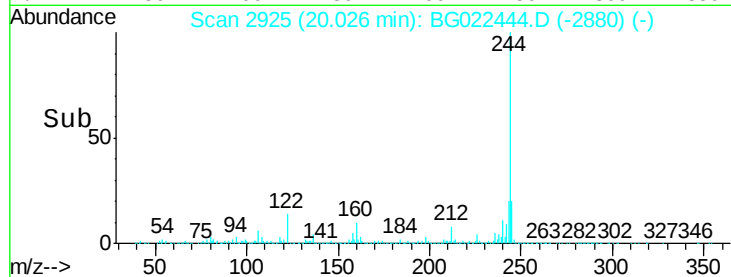
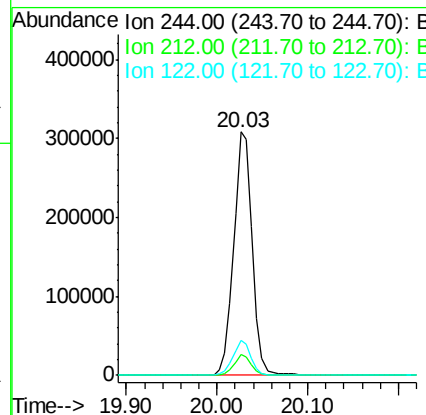
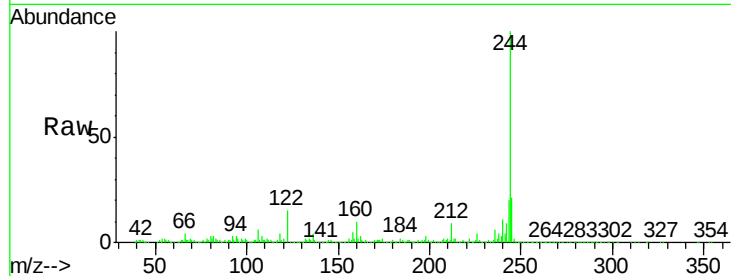
ClientSampleId :

S7-B5(6-12)C

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.5	9.7
122	14.6	8.6	12.8

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#80

Benzo(a)anthracene

Concen: 10.87 ng

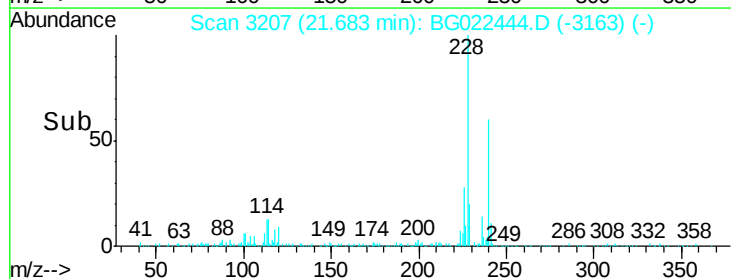
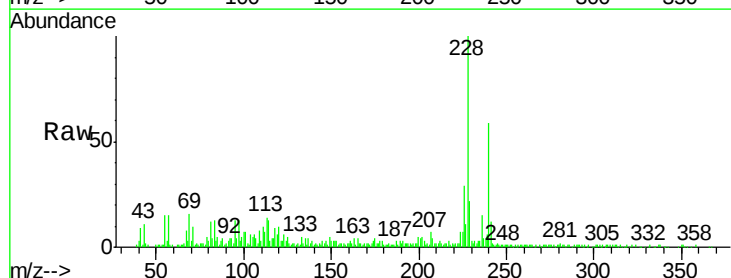
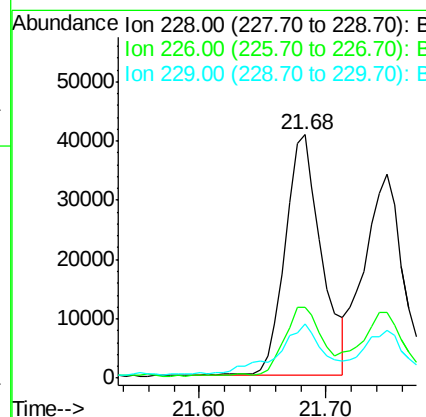
RT: 21.68 min Scan# 3207

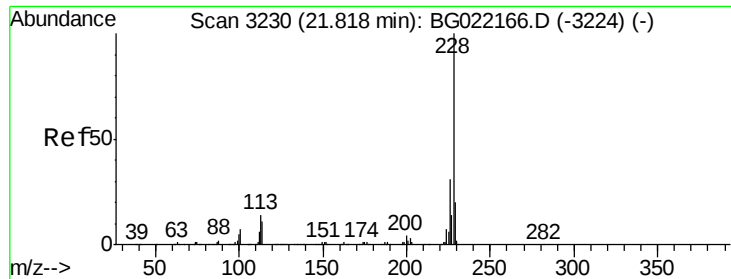
Delta R.T. -0.04 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	34.0
229	22.0	16.1	24.1





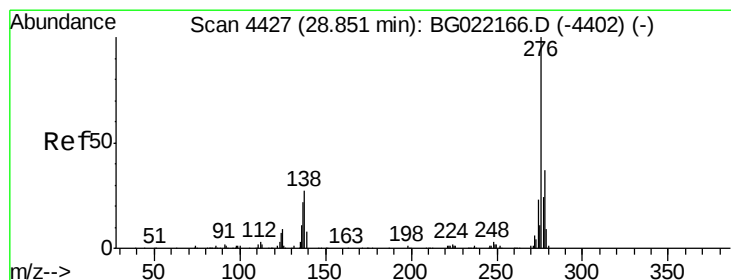
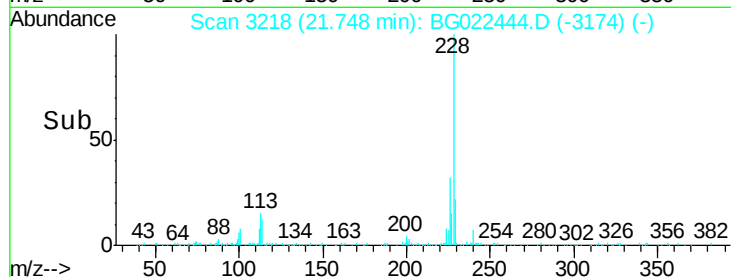
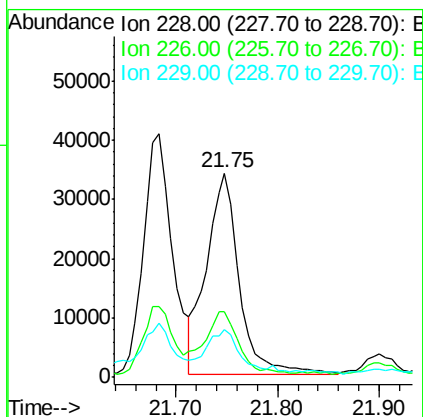
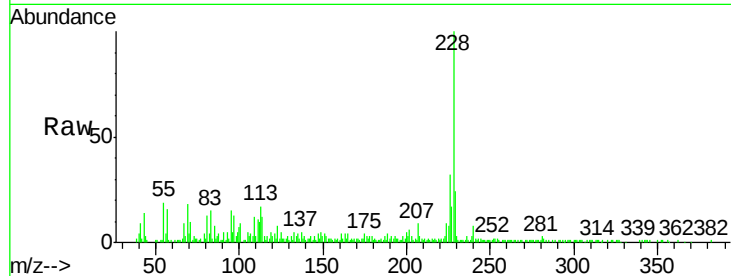
#82
Chrysene
Concen: 10.48 ng
RT: 21.75 min Scan# 3218
Delta R.T. -0.04 min
Lab File: BG022444.D
Acq: 19 Jun 2016 4:38

Instrument :
BNA_G
ClientSampleId :
S7-B5(6-12)C

Tot Ion:	228	Resp:	76467
Ion Ratio	Lower	Upper	
228	100		
226	32.4	25.4	38.0
229	23.6	15.9	23.9

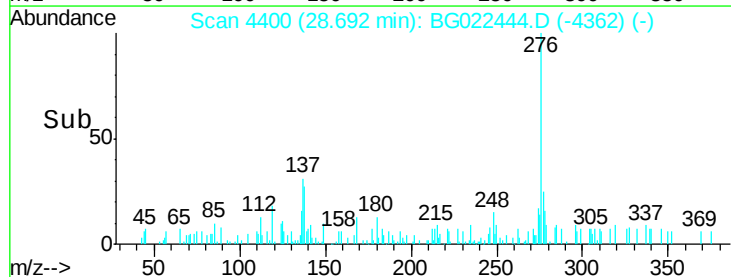
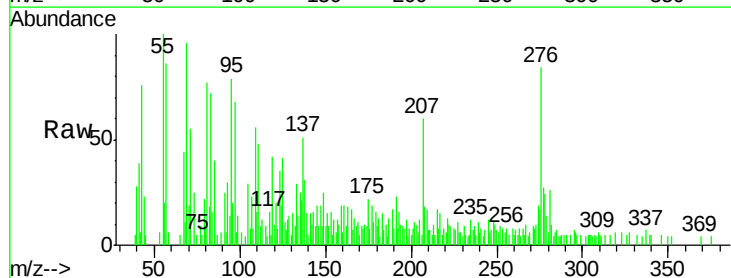
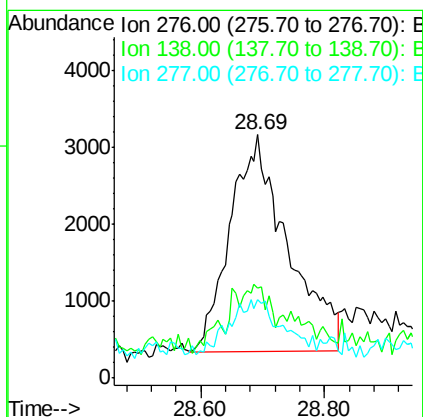
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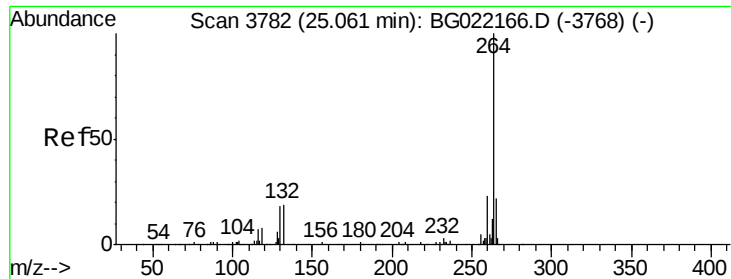
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.22 ng
RT: 28.69 min Scan# 4400
Delta R.T. -0.07 min
Lab File: BG022444.D
Acq: 19 Jun 2016 4:38

Tgt Ion:	276	Resp:	18174
Ion Ratio	Lower	Upper	
276	100		
138	0.0	14.0	21.0#
277	20.0	20.6	30.8#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 24.95 min Scan# 3763

Delta R.T. -0.06 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Instrument :

BNA_G

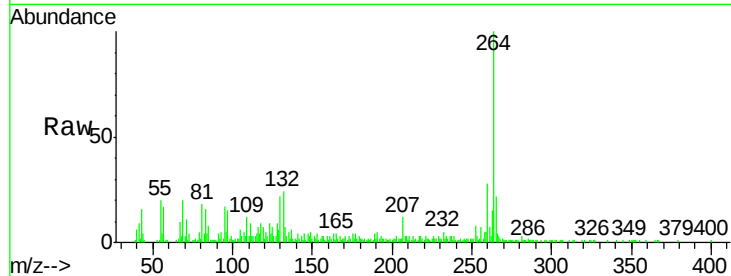
ClientSampleId :

S7-B5(6-12)C

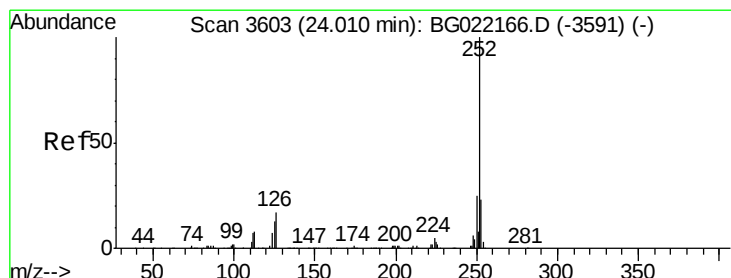
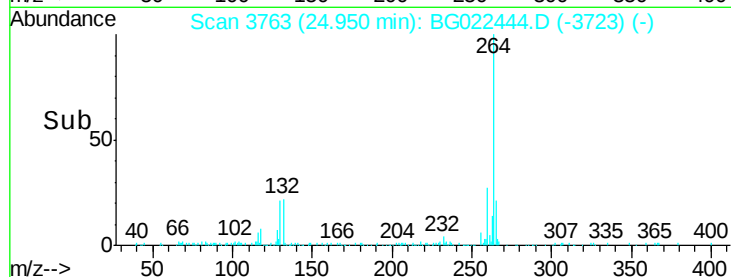
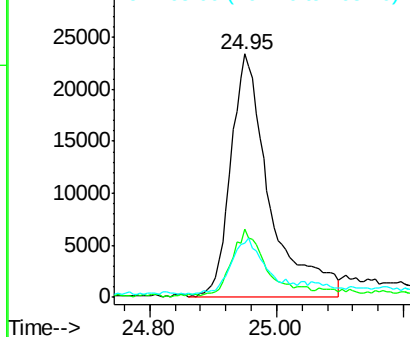
Tot Ion:	264	Resp:	99451
Ion Ratio	Lower	Upper	
264	100		
260	27.8	20.2	30.4
265	22.1	17.8	26.8

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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: 13.51 ng

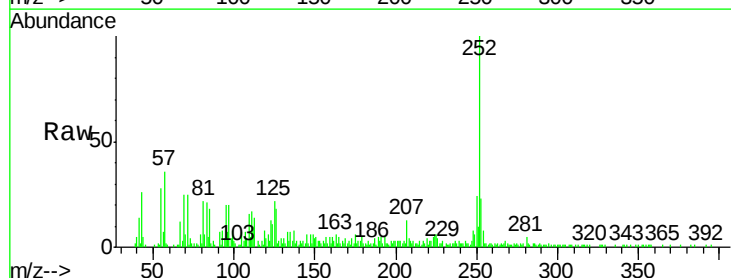
RT: 23.92 min Scan# 3588

Delta R.T. -0.04 min

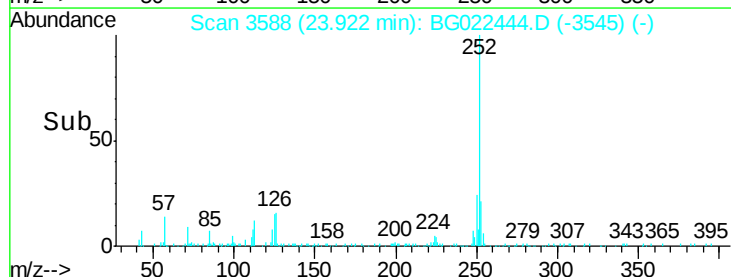
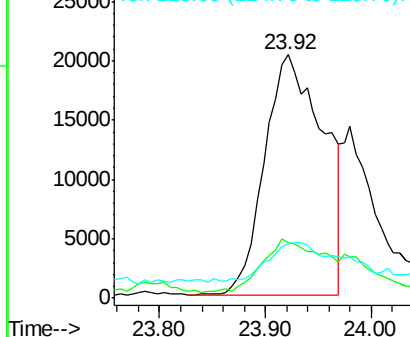
Lab File: BG022444.D

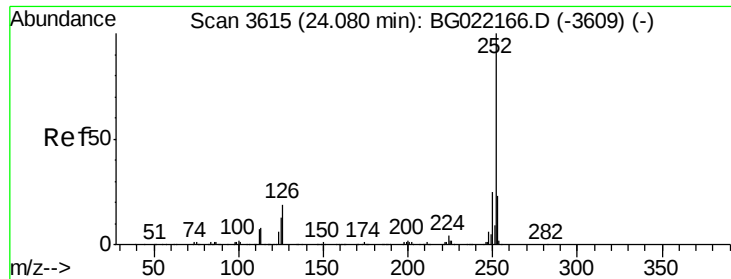
Acq: 19 Jun 2016 4:38

Tgt Ion:	252	Resp:	78357
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.5	26.3
125	22.3	8.6	13.0#



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: 6.56 ng m

RT: 23.98 min Scan# 3598

Delta R.T. -0.06 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Instrument :

BNA_G

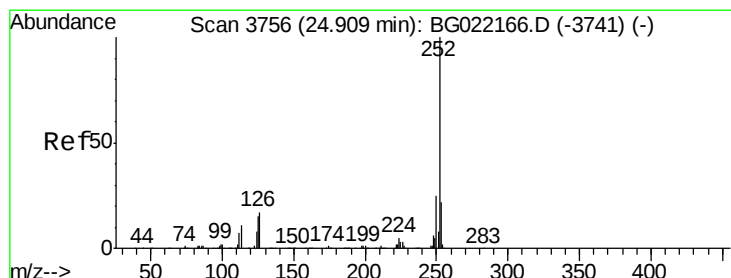
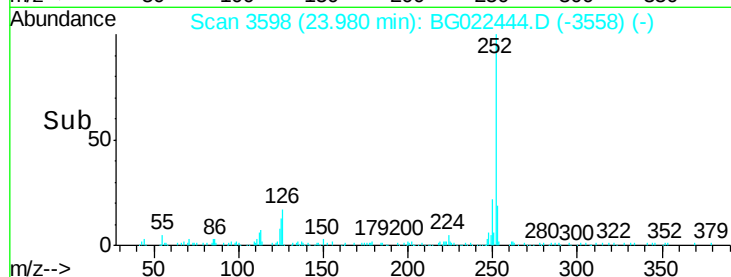
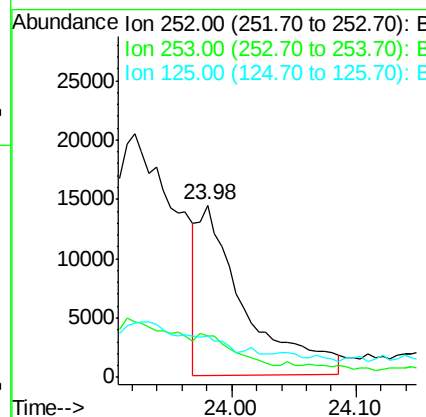
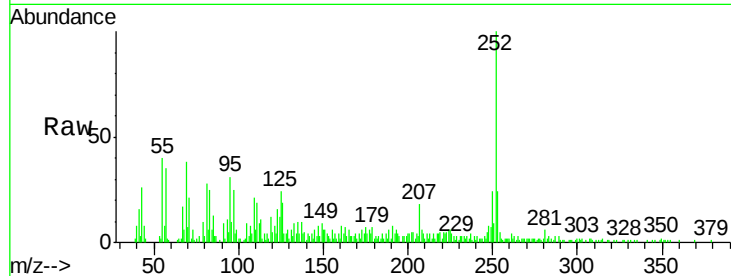
ClientSampleId :

S7-B5(6-12)C

Tot Ion:	252	Resp:	37462
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.8
125	24.3	8.3	12.5#

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#89

Benzo(a)pyrene

Concen: 9.12 ng

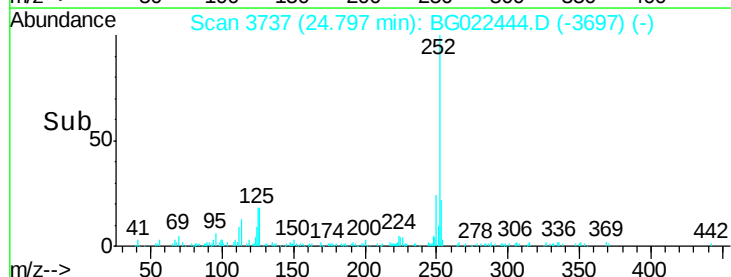
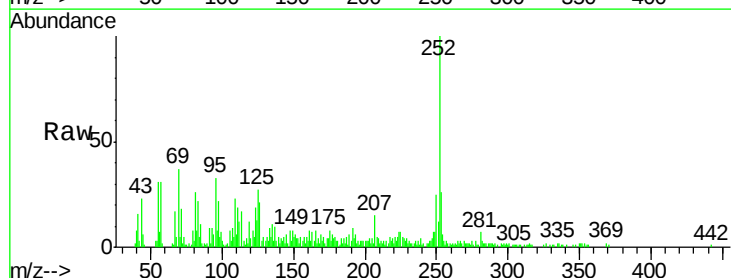
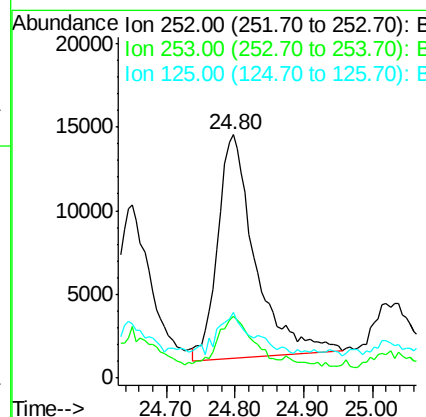
RT: 24.80 min Scan# 3737

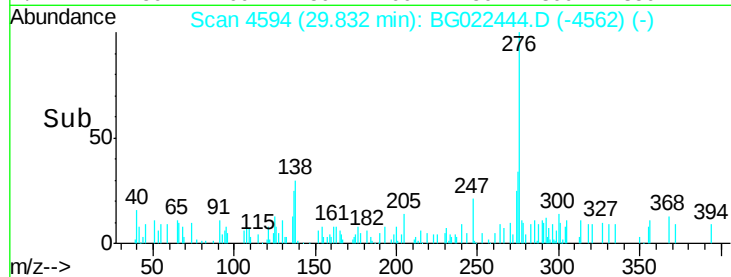
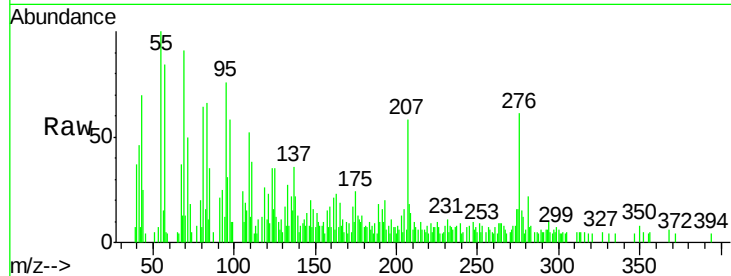
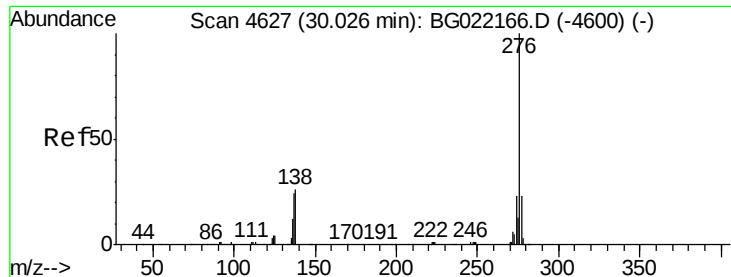
Delta R.T. -0.06 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Tgt Ion:	252	Resp:	50559
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.1	25.7
125	27.2	9.6	14.4#





#91

Benzo(a,h,i)perylene

Concen: 2.46 ng/mL

RT: 29.83 min Scan# 4594

Delta R.T. -0.11 min

Lab File: BG022444.D

Acq: 19 Jun 2016 4:38

Instrument :

BNA_G

ClientSampled :

S7-B5(6-12)C

Tot Ion:	276	Resp:	13360
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.4	29.2
138	35.3	17.4	26.0

Manual Integrations
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