

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
 Data File : BG022440.D
 Acq On : 19 Jun 2016 1:58
 Operator : UM/SJ
 Sample : H3514-03
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S5-B2(0-7)C

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Quant Time: Jun 20 14:01:46 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	37190	20.00	ng	-0.05
21) Naphthalene-d8	10.86	136	176612	20.00	ng	-0.05
38) Acenaphthene-d10	14.68	164	94519	20.00	ng	-0.04
63) Phenanthrene-d10	17.43	188	170025	20.00	ng	-0.04
75) Chrysene-d12	21.69	240	133782	20.00	ng	-0.05
86) Perylene-d12	24.94	264	125123	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	323894	168.39	ng	-0.03
7) Phenol-d6	7.23	99	498938	164.98	ng	-0.02
23) Nitrobenzene-d5	9.22	82	272666	107.63	ng	-0.04
41) 2,4,6-Tribromophenol	16.18	330	117948	110.44	ng	-0.04
44) 2-Fluorobiphenyl	13.30	172	646789	104.28	ng	-0.04
78) Terphenyl-d14	20.03	244	545490	96.80	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	14.13	163	76296	9.74	ng	99
70) Phenanthrene	17.47	178	39906	4.32	ng	98
74) Fluoranthene	19.47	202	76029	7.16	ng	97
77) Pyrene	19.84	202	65629	7.89	ng	97
80) Benzo(a)anthracene	21.68	228	30643	4.08	ng	98
82) Chrysene	21.74	228	27778	3.81	ng	97
87) Benzo(b)fluoranthene	23.90	252	35226m	4.83	ng	
88) Benzo(k)fluoranthene	23.95	252	18788m	2.62	ng	
89) Benzo(a)pyrene	24.78	252	23000	3.30	ng	# 84

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

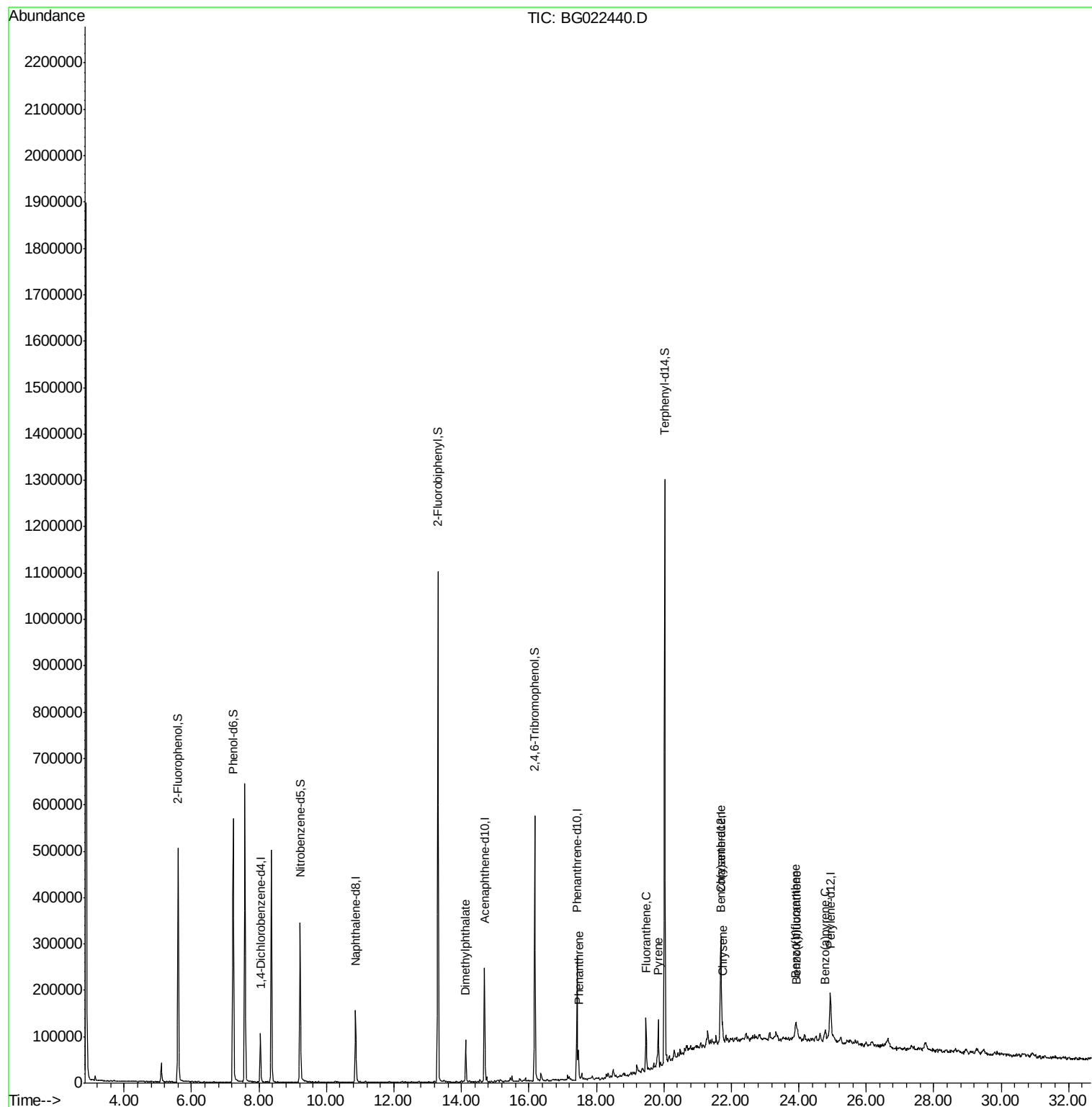
Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022440.D
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Operator : UM/SJ
Sample : H3514-03
Misc :
ALS Vial : 49 Sample Multiplier: 1

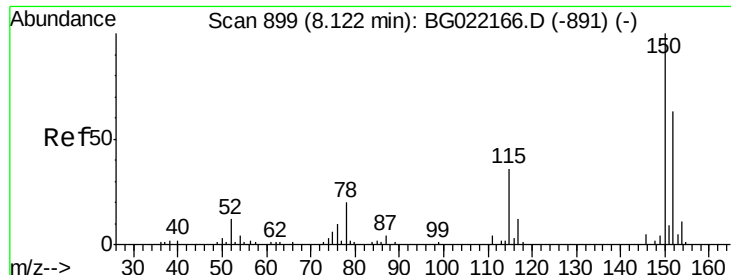
Instrument :
BNA_G
ClientSampleId :
S5-B2(0-7)C

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Quant Time: Jun 20 14:01:46 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. -0.05 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

Instrument :

BNA_G

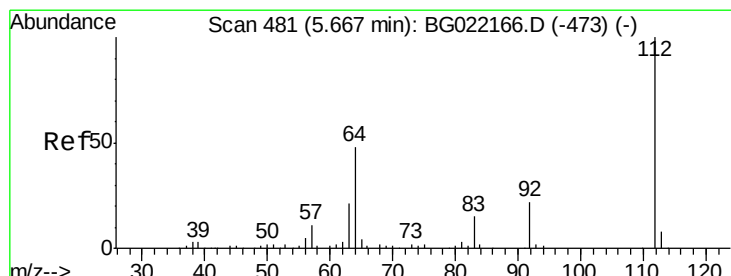
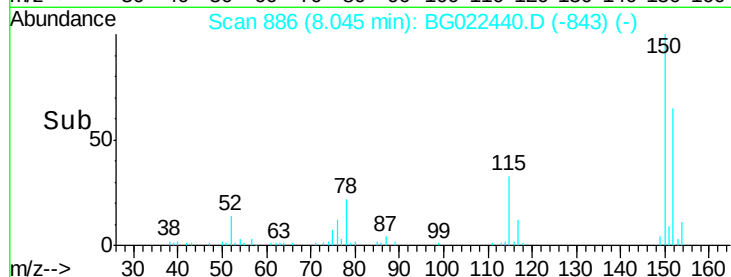
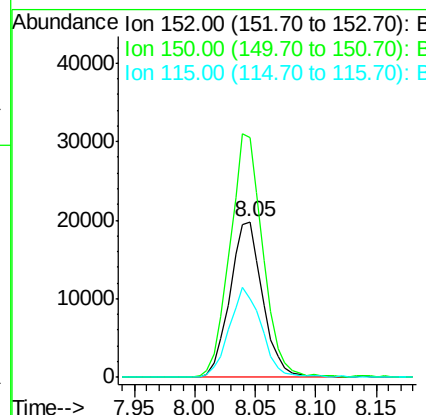
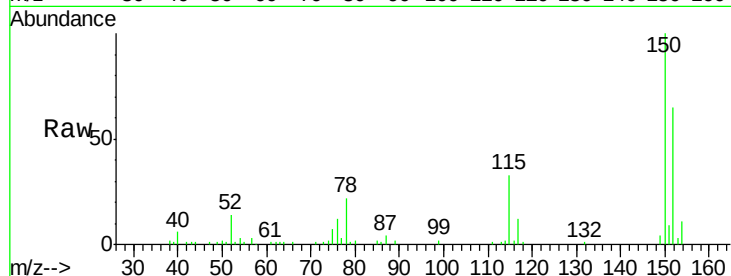
ClientSampleId :

S5-B2(0-7)C

Tot Ion:	152	Resp:	37190
Ion Ratio	Lower	Upper	
152	100		
150	154.2	130.1	195.1
115	50.4	62.2	93.2#

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#5

2-Fluorophenol

Concen: 168.39 ng

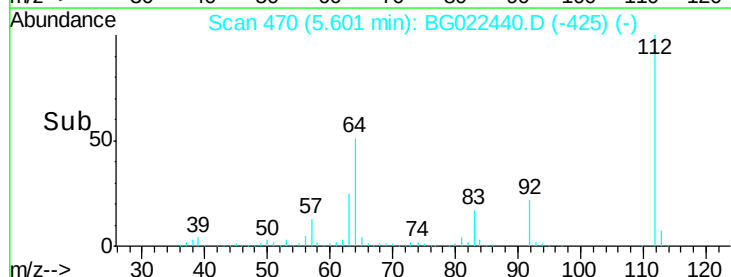
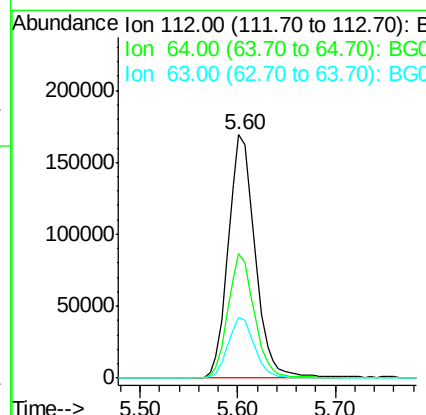
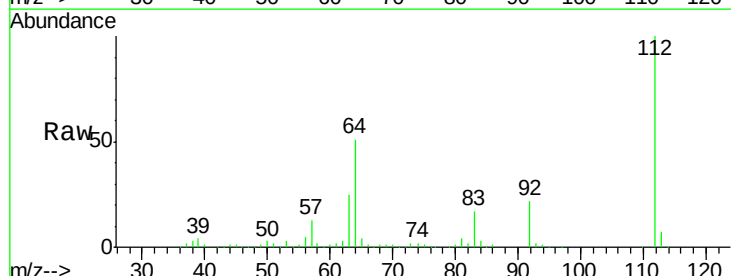
RT: 5.60 min Scan# 470

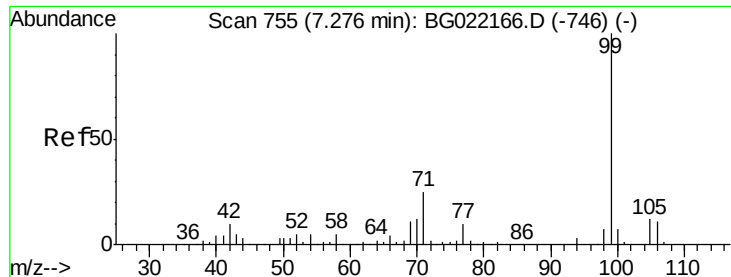
Delta R.T. -0.03 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

Tgt Ion:	112	Resp:	323894
Ion Ratio	Lower	Upper	
112	100		
64	51.2	51.1	76.7
63	24.8	24.6	37.0





#7

Phenol-d6

Concen: 164.98 ng

RT: 7.23 min Scan# 748

Delta R.T. -0.02 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

Instrument :

BNA_G

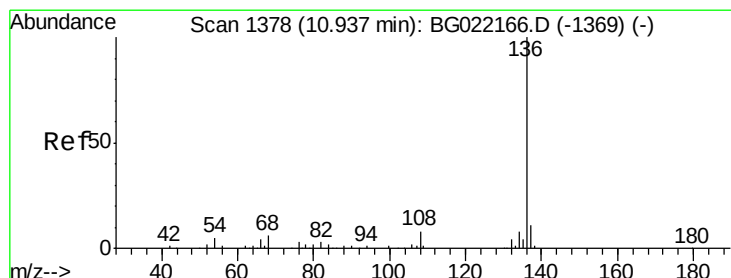
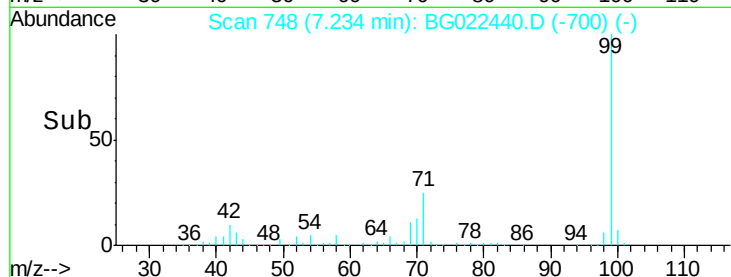
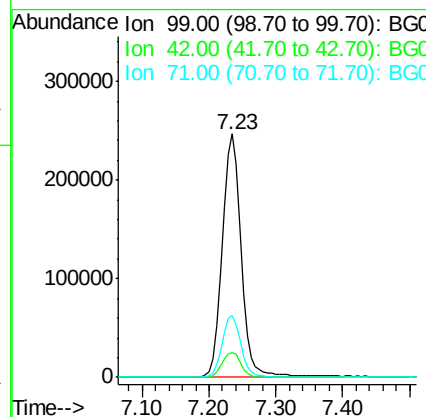
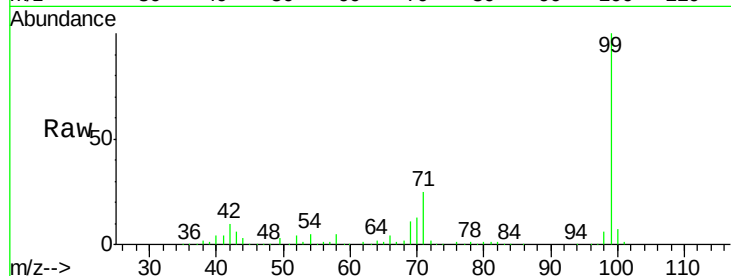
ClientSampleId :

S5-B2(0-7)C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		498938		
42	10.2	16.4	24.6#		
71	25.3	25.0	37.4		

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#21

Naphthalene-d8

Concen: 20.00 ng

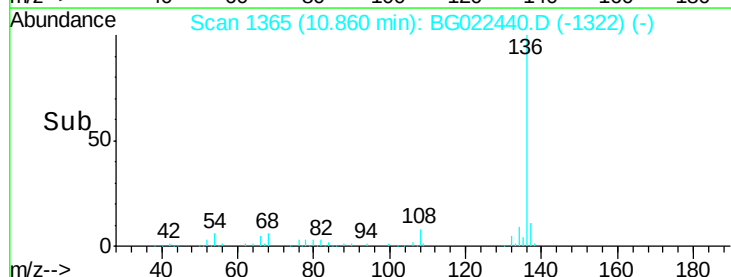
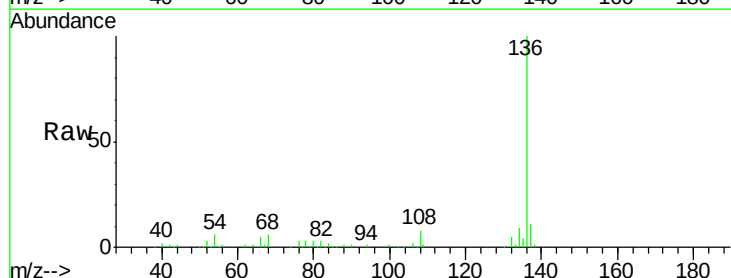
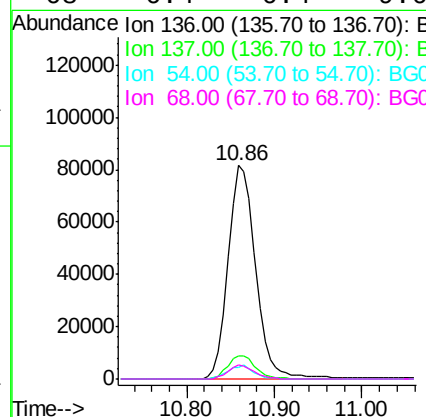
RT: 10.86 min Scan# 1365

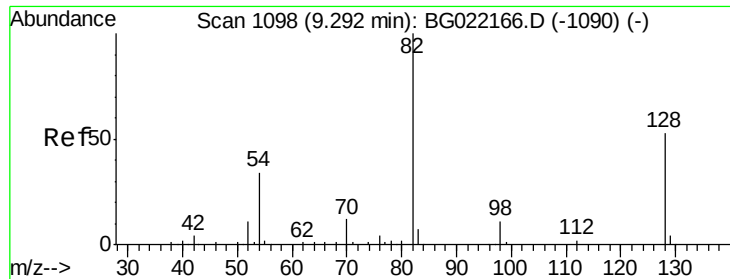
Delta R.T. -0.05 min

Lab File: BG022440.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		176612		
137	11.0	9.0	13.4		
54	5.7	9.6	14.4#		
68	6.4	6.4	9.6		





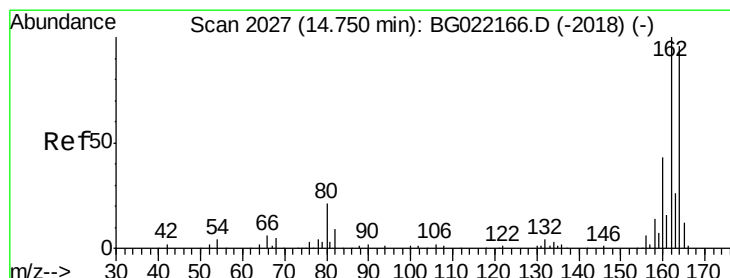
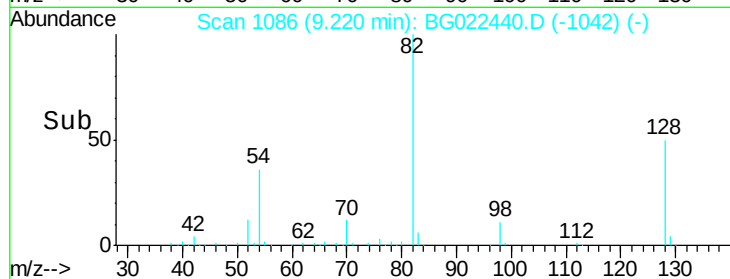
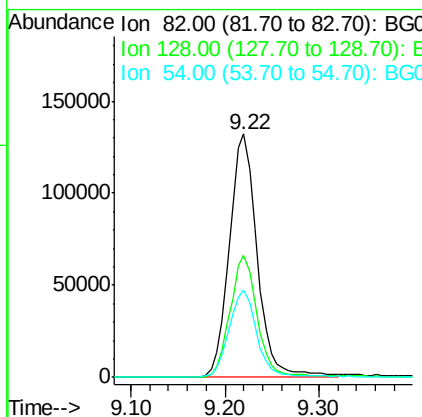
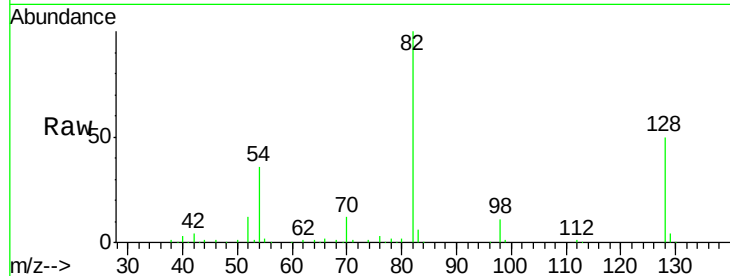
#23
 Nitrobenzene-d5
 Concen: 107.63 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.04 min
 Lab File: BG022440.D
 Acq: 19 Jun 2016 1:58

Instrument :
 BNA_G
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100	272666		
128	50.2	33.4	50.0#	
54	35.7	46.1	69.1#	

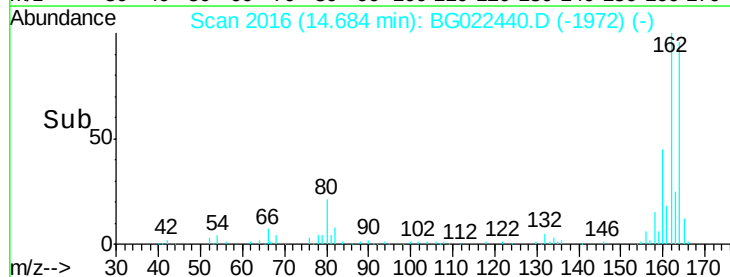
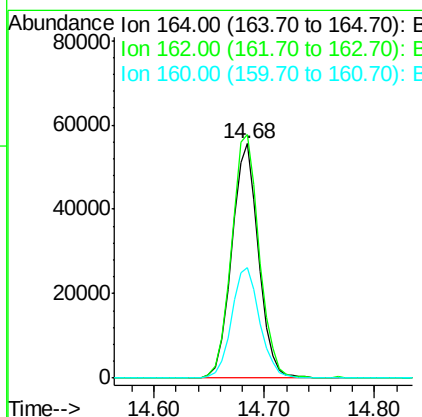
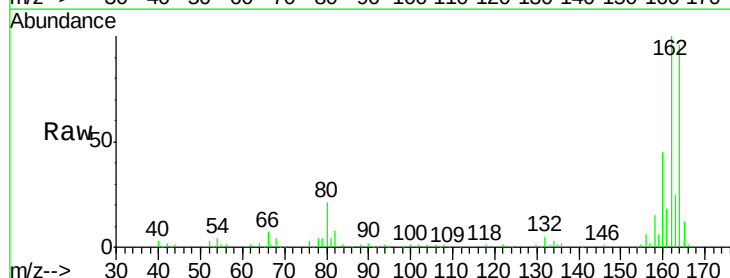
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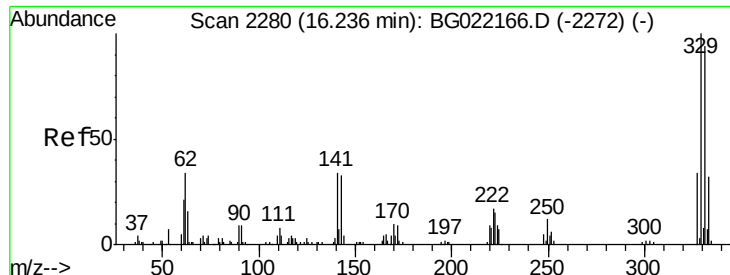
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.68 min Scan# 2016
 Delta R.T. -0.04 min
 Lab File: BG022440.D
 Acq: 19 Jun 2016 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94519		
162	103.9	78.0	117.0	
160	47.2	32.9	49.3	





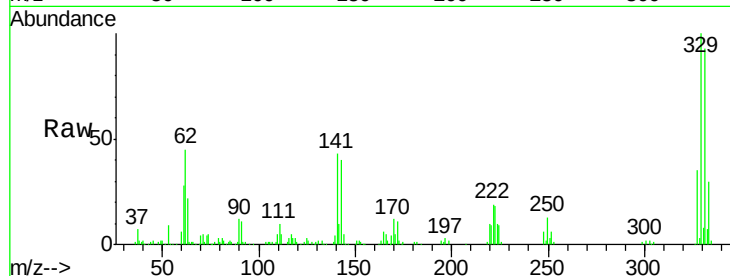
#41
 2,4,6-Tribromophenol
 Concen: 110.44 ng
 RT: 16.18 min Scan# 2270
 Delta R.T. -0.04 min
 Lab File: BG022440.D
 Acq: 19 Jun 2016 1:58

Instrument :
 BNA_G
 ClientSampleId :
 S5-B2(0-7)C

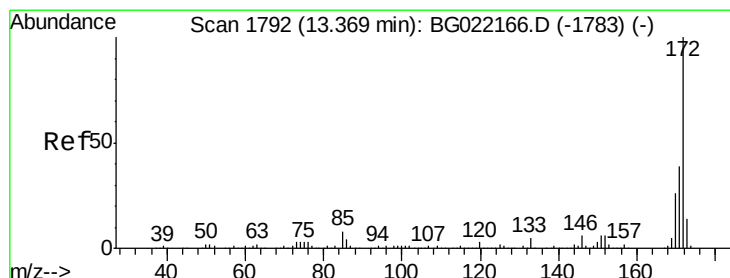
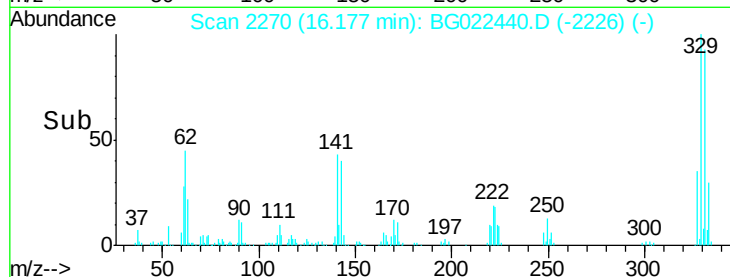
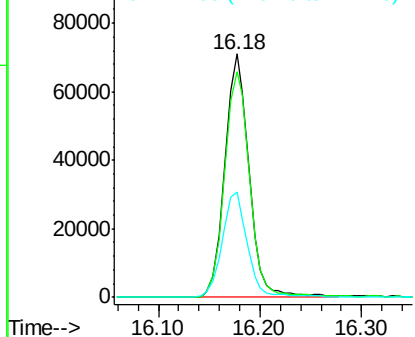
Tot Ion	Ratio	Resp	Lower	Upper
330	100	117948		
332	95.5	78.0	117.0	
141	45.1	33.8	50.8	

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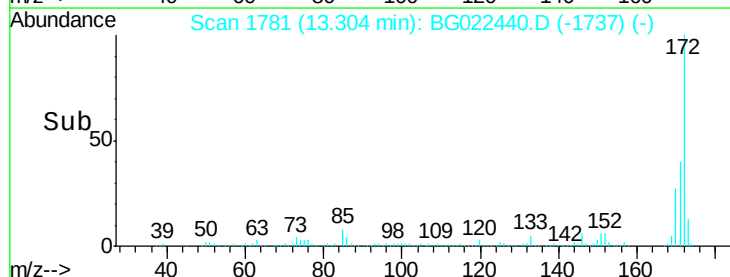
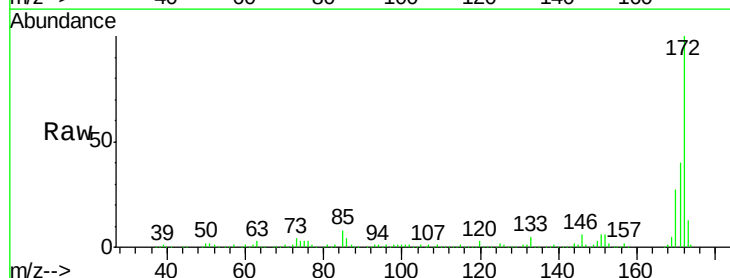
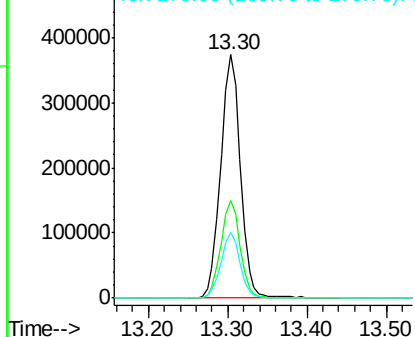
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

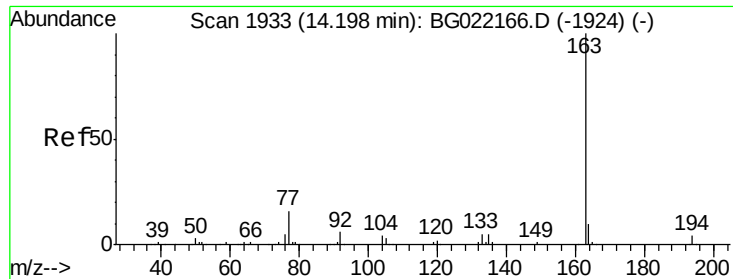


#44
 2-Fluorobiphenyl
 Concen: 104.28 ng
 RT: 13.30 min Scan# 1781
 Delta R.T. -0.04 min
 Lab File: BG022440.D
 Acq: 19 Jun 2016 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	646789		
171	40.2	27.8	41.6	
170	27.0	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





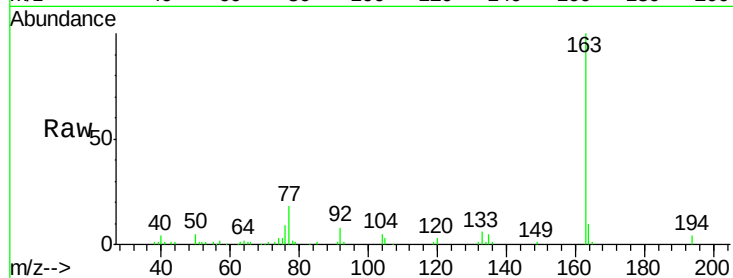
#49
Dimethylphthalate
Concen: 9.74 ng
RT: 14.13 min Scan# 1921
Delta R.T. -0.05 min
Lab File: BG022440.D
Acq: 19 Jun 2016 1:58

Instrument :
BNA_G
ClientSampleId :
S5-B2(0-7)C

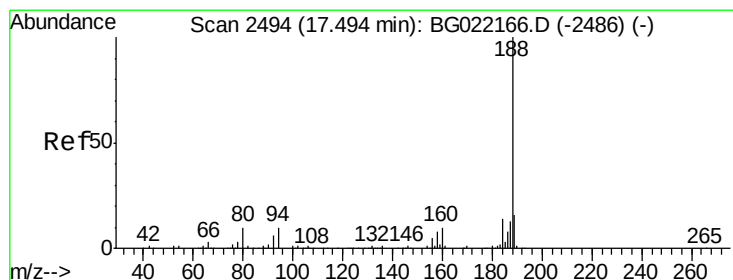
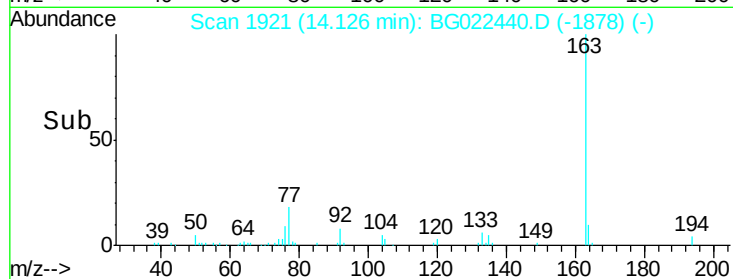
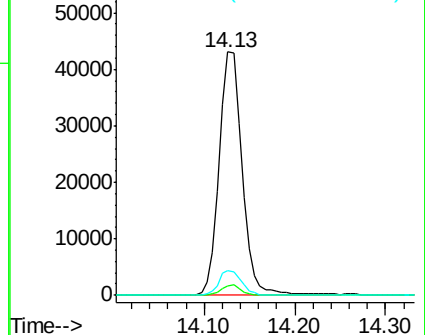
Tot Ion	Ratio	Resp	Lower	Upper
163	100	76296		
194	4.0		3.0	4.6
164	10.4		8.1	12.1

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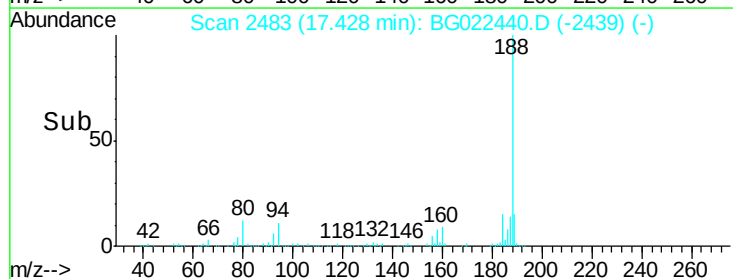
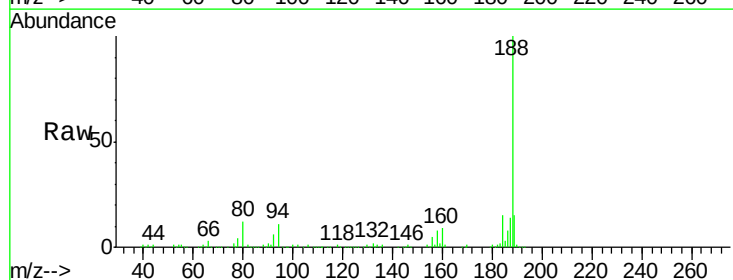
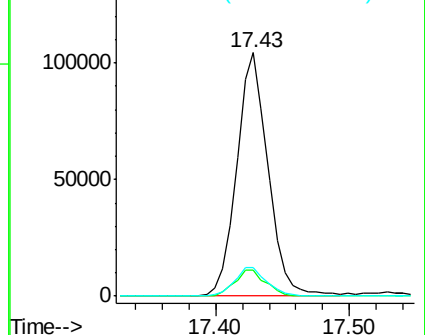
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

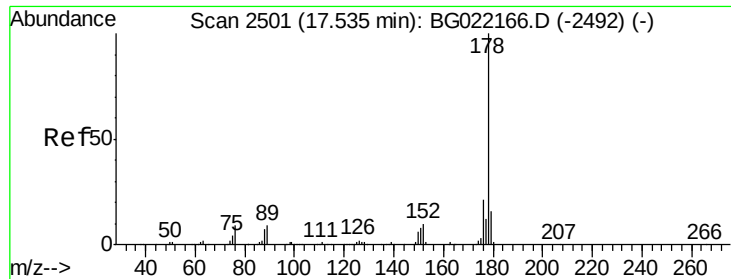


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.43 min Scan# 2483
Delta R.T. -0.04 min
Lab File: BG022440.D
Acq: 19 Jun 2016 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	170025		
94	10.6		7.5	11.3
80	11.5		8.6	13.0

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 4.32 ng

RT: 17.47 min Scan# 2490

Delta R.T. -0.04 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

Instrument :

BNA_G

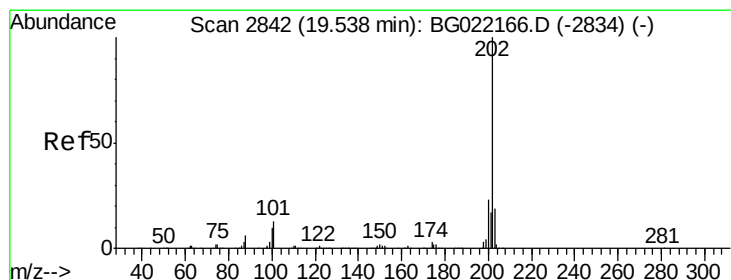
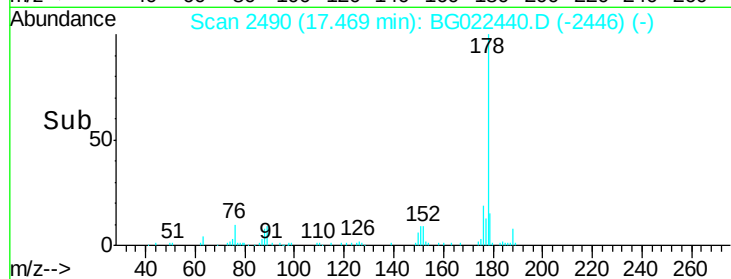
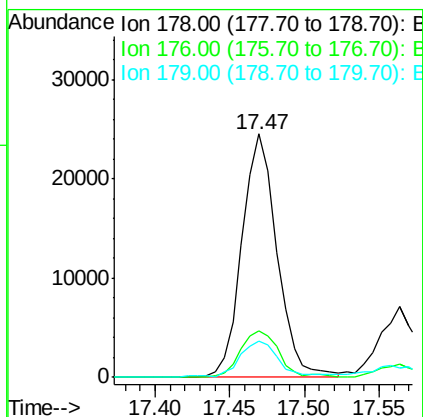
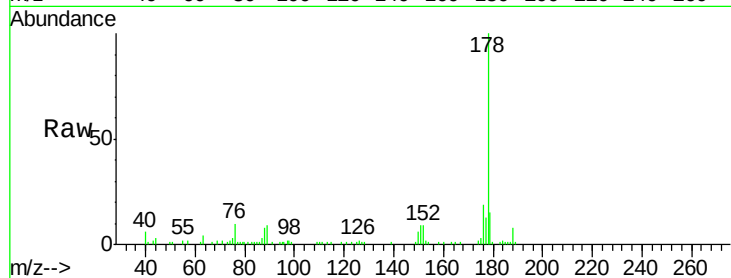
ClientSampleId :

S5-B2(0-7)C

Tot Ion:	178	Resp:	39906
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.2	24.4
179	14.9	12.0	18.0

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#74

Fluoranthene

Concen: 7.16 ng

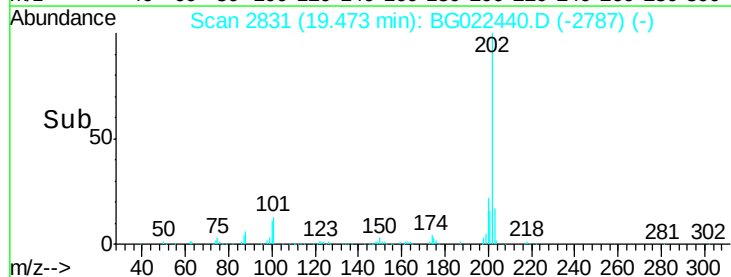
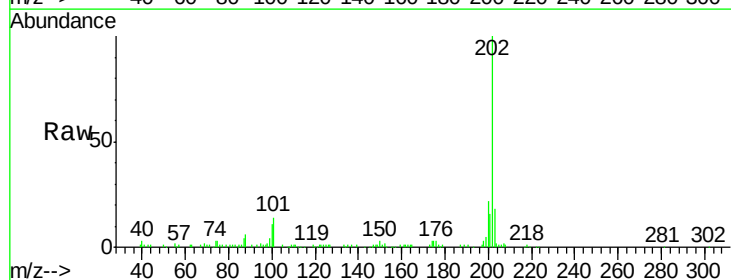
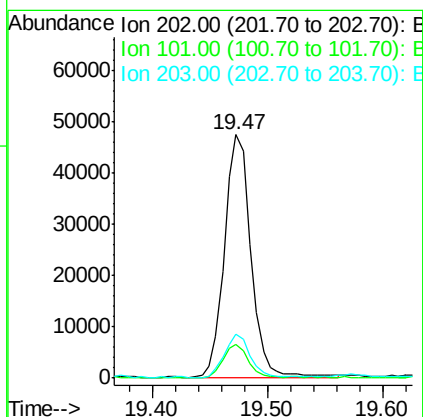
RT: 19.47 min Scan# 2831

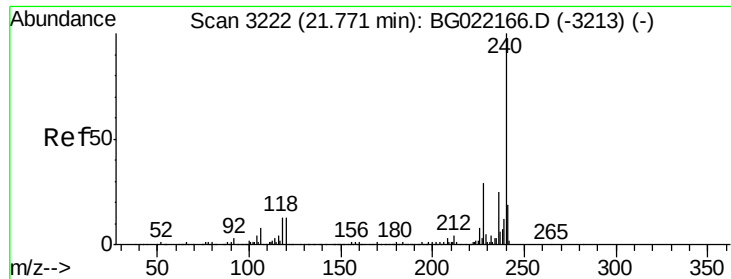
Delta R.T. -0.04 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

Tgt Ion:	202	Resp:	76029
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	31.0
203	18.0	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.69 min Scan# 3209

Delta R.T. -0.05 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

Instrument :

BNA_G

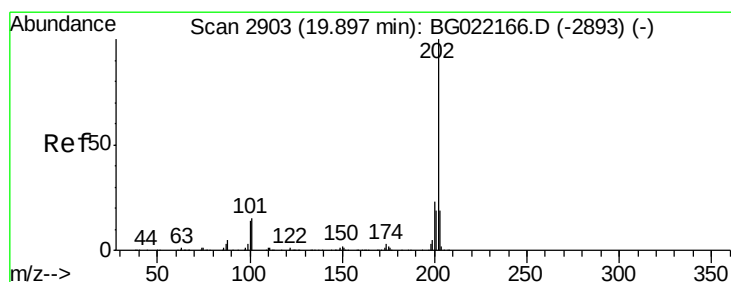
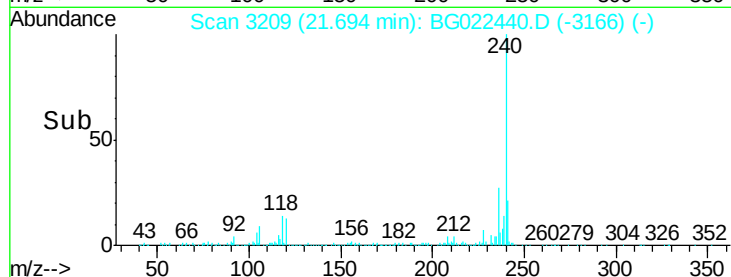
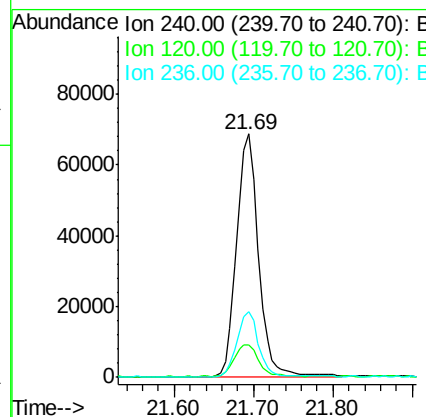
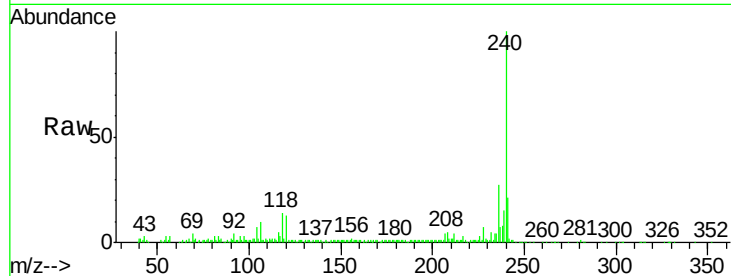
ClientSampleId :

S5-B2(0-7)C

Tot Ion:	240	Resp:	133782
Ion Ratio	Lower	Upper	
240	100		
120	13.2	8.4	12.6#
236	27.2	19.6	29.4

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#77

Pyrene

Concen: 7.89 ng

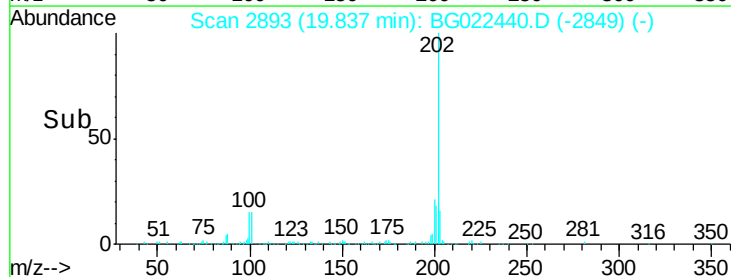
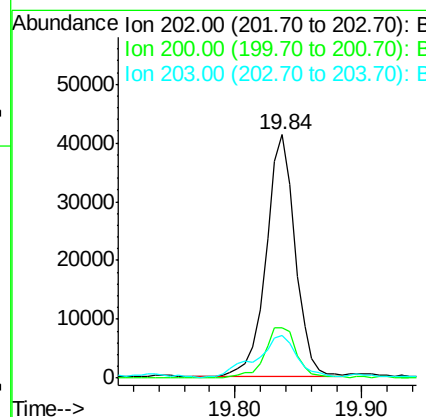
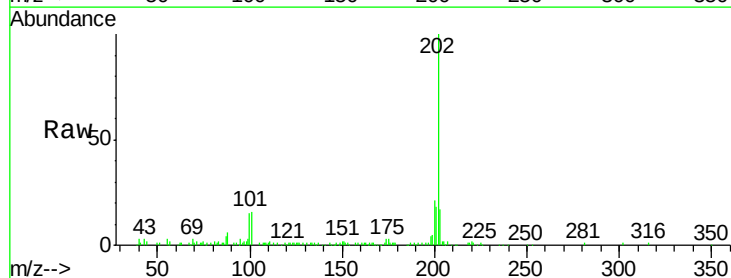
RT: 19.84 min Scan# 2893

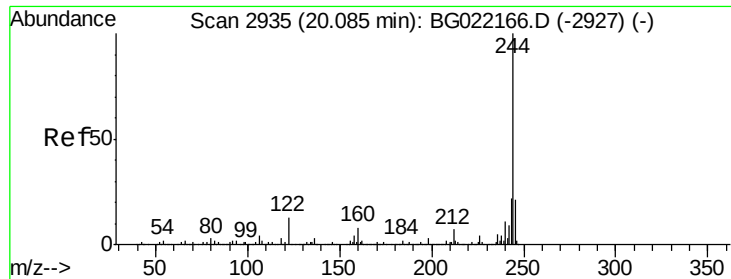
Delta R.T. -0.04 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

Tgt Ion:	202	Resp:	65629
Ion Ratio	Lower	Upper	
202	100		
200	20.9	18.2	27.2
203	17.3	15.0	22.4





#78

Terphenyl-d14

Concen: 96.80 ng

RT: 20.03 min Scan# 2925

Delta R.T. -0.03 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

Instrument :

BNA_G

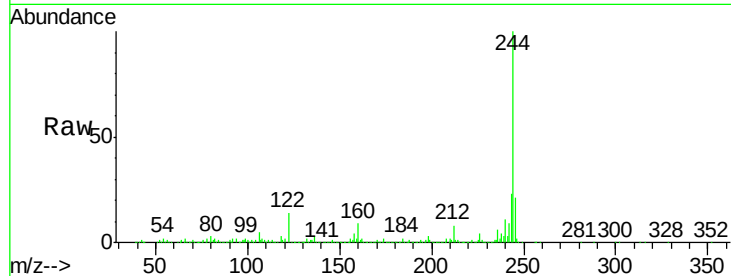
ClientSampleId :

S5-B2(0-7)C

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.5	9.7
122	13.9	8.6	12.8

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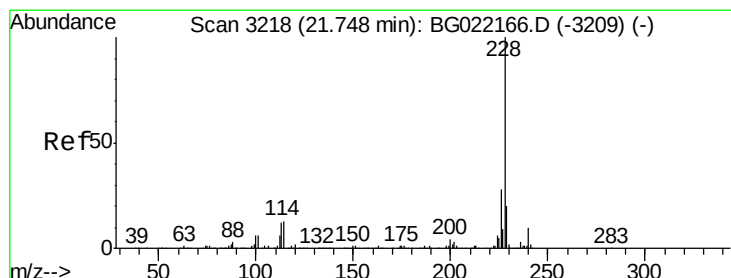
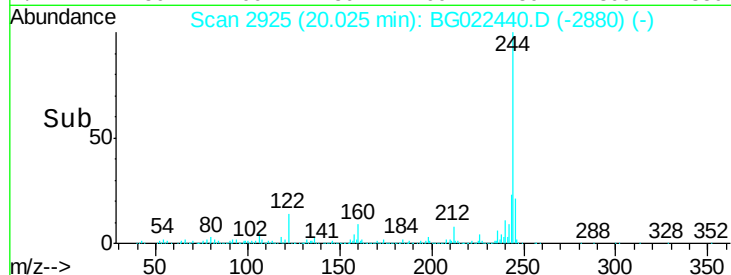
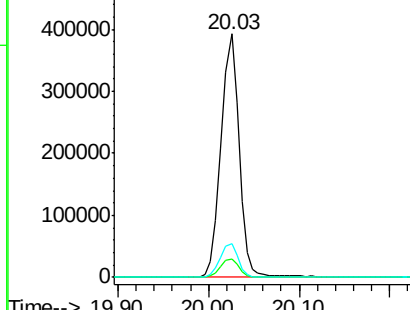
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.08 ng

RT: 21.68 min Scan# 3206

Delta R.T. -0.05 min

Lab File: BG022440.D

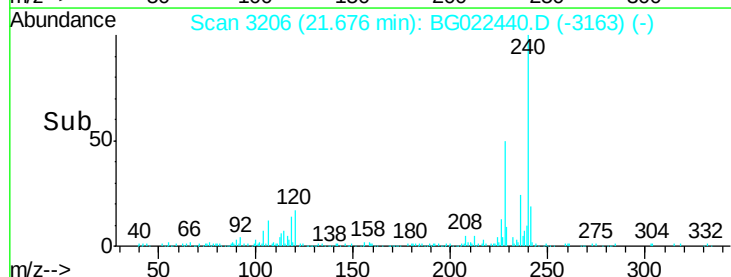
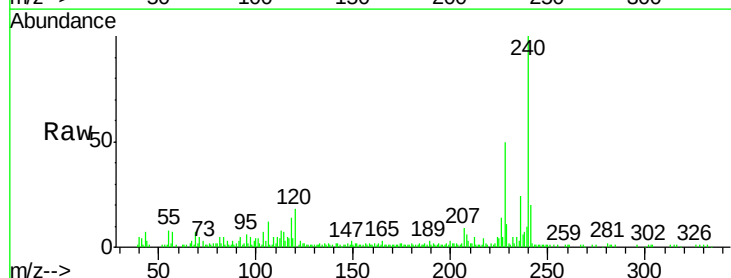
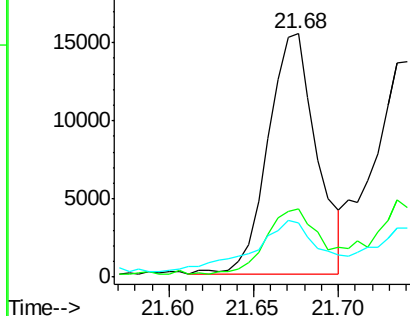
Acq: 19 Jun 2016 1:58

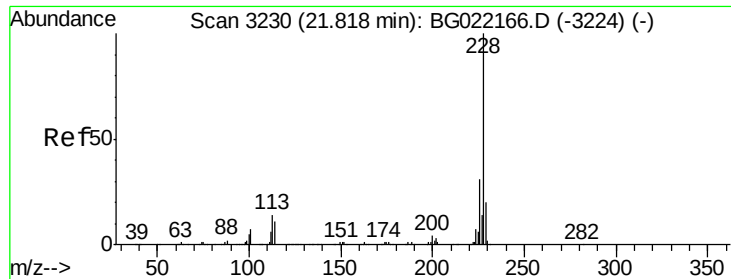
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	34.0
229	22.3	16.1	24.1

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





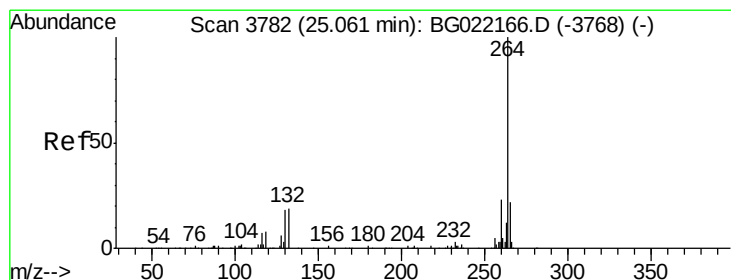
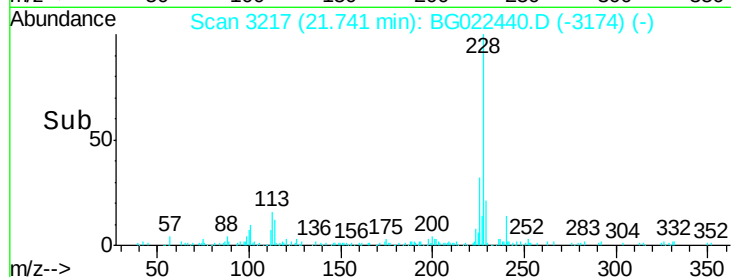
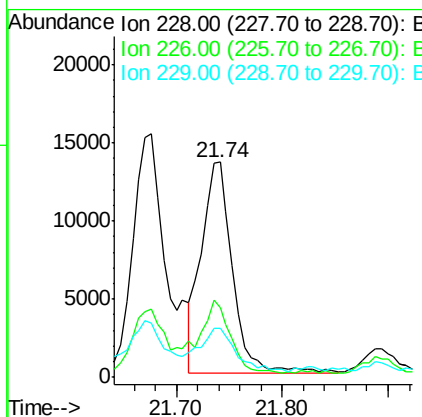
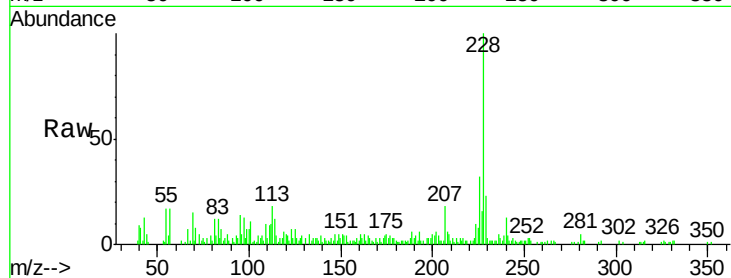
#82
Chrysene
Concen: 3.81 ng
RT: 21.74 min Scan# 3217
Delta R.T. -0.05 min
Lab File: BG022440.D
Acq: 19 Jun 2016 1:58

Instrument :
BNA_G
ClientSampleId :
S5-B2(0-7)C

Tot Ion:	228	Resp:	27778
Ion Ratio	Lower	Upper	
228	100		
226	32.4	25.4	38.0
229	22.6	15.9	23.9

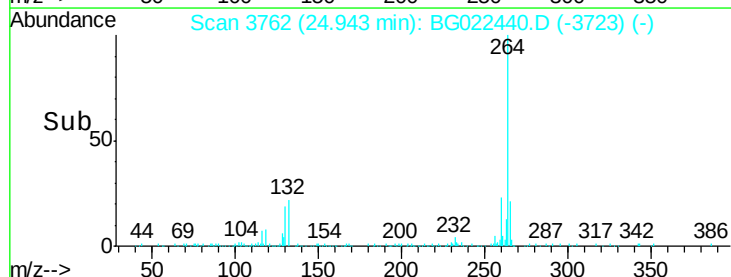
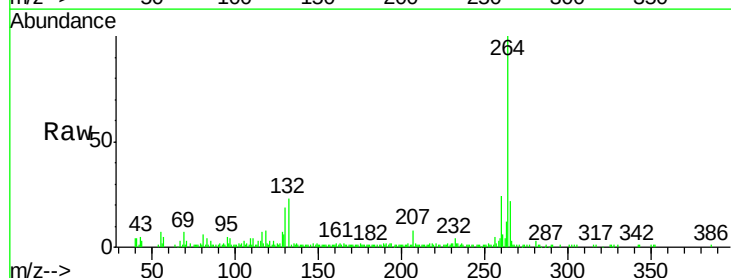
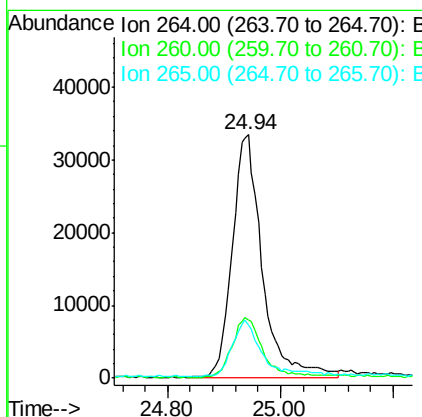
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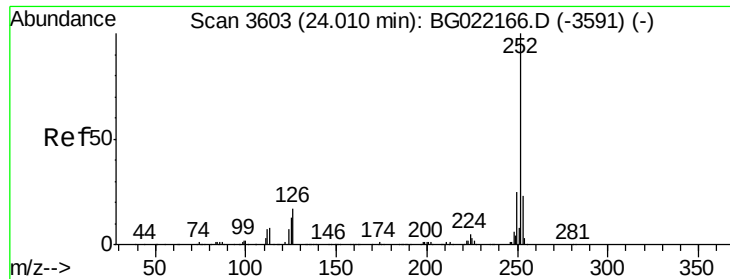
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#86
Perylene-d12
Concen: 20.00 ng
RT: 24.94 min Scan# 3762
Delta R.T. -0.07 min
Lab File: BG022440.D
Acq: 19 Jun 2016 1:58

Tgt Ion:	264	Resp:	125123
Ion Ratio	Lower	Upper	
264	100		
260	24.0	20.2	30.4
265	21.6	17.8	26.8





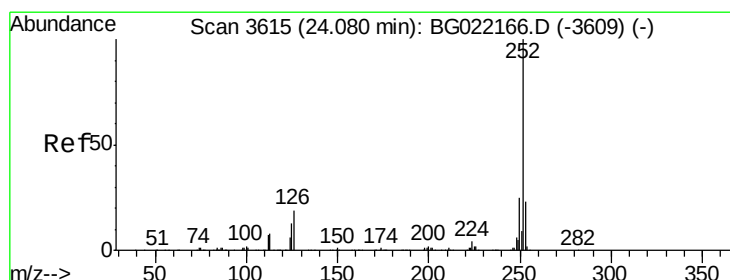
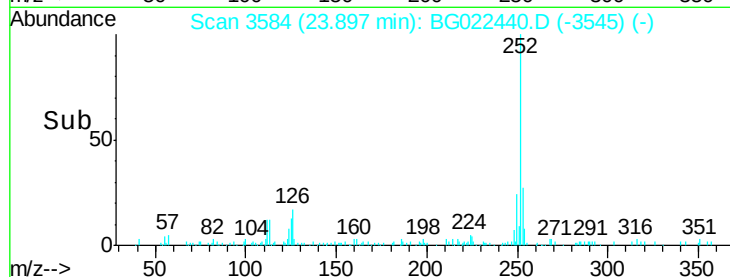
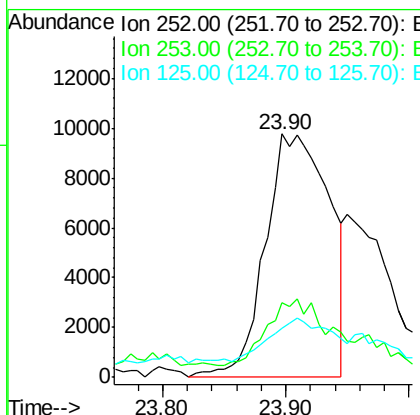
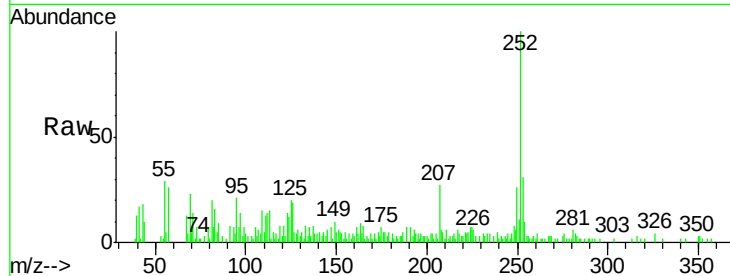
#87
Benzo(b)fluoranthene
Concen: 4.83 ng m
RT: 23.90 min Scan# 3584
Delta R.T. -0.07 min
Lab File: BG022440.D
Acq: 19 Jun 2016 1:58

Instrument :
BNA_G
ClientSampleId :
S5-B2(0-7)C

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.9	17.5	26.3#
125	20.4	8.6	13.0#

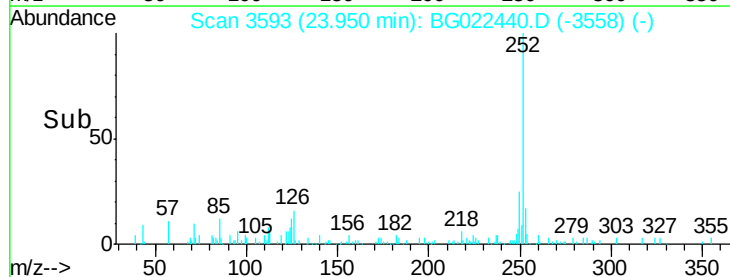
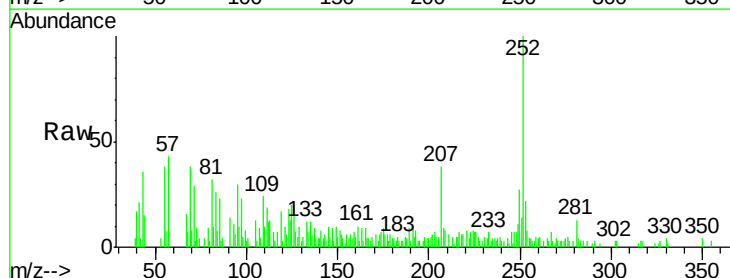
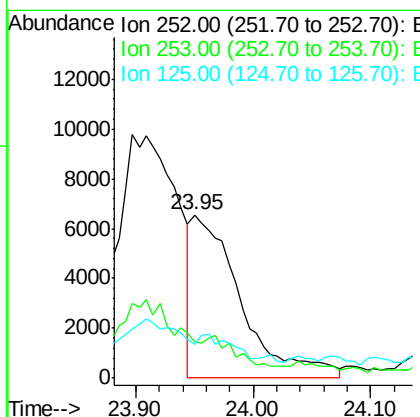
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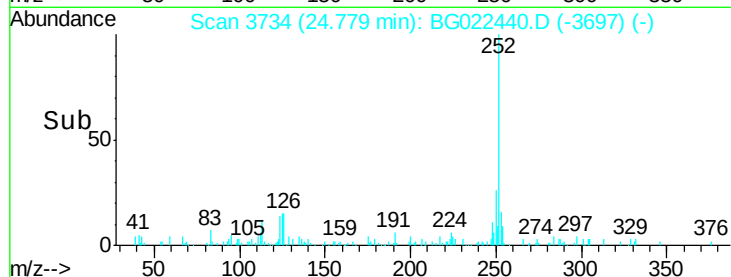
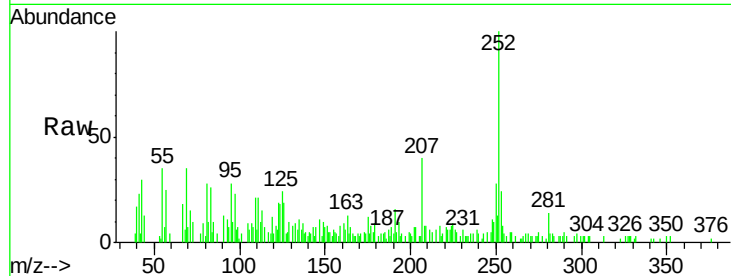
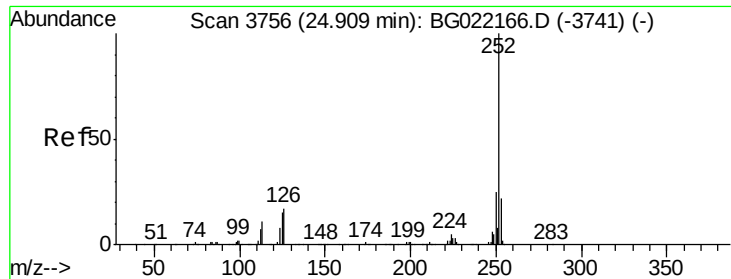
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#88
Benzo(k)fluoranthene
Concen: 2.62 ng m
RT: 23.95 min Scan# 3593
Delta R.T. -0.09 min
Lab File: BG022440.D
Acq: 19 Jun 2016 1:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	20.3	8.3	12.5#





#89

Benzo(a)pyrene

Concen: 3.30 ng

RT: 24.78 min Scan# 3734

Delta R.T. -0.08 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

Instrument :

BNA_G

ClientSampleId :

S5-B2(0-7)C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	24.4	9.6	14.4

Manual Integrations
APPROVED

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