

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
 Data File : BG022437.D
 Acq On : 18 Jun 2016 23:58
 Operator : UM/SJ
 Sample : H3471-25
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STA-1160-(0-4)

Manual Integrations
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Quant Time: Jun 20 04:01:25 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	8.04	152	38856	20.00	ng	-0.05
21) Naphthalene-d8	10.86	136	191698	20.00	ng	-0.04
38) Acenaphthene-d10	14.68	164	100622	20.00	ng	-0.04
63) Phenanthrene-d10	17.43	188	187408	20.00	ng	-0.04
75) Chrysene-d12	21.69	240	148596	20.00	ng	-0.05
86) Perylene-d12	24.94	264	142118	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	191362	95.22	ng	-0.04
7) Phenol-d6	7.23	99	285761	90.44	ng	-0.02
23) Nitrobenzene-d5	9.22	82	164993	60.01	ng	-0.04
41) 2,4,6-Tribromophenol	16.17	330	70076	61.63	ng	-0.04
44) 2-Fluorobiphenyl	13.30	172	379987	57.55	ng	-0.04
78) Terphenyl-d14	20.02	244	322084	51.46	ng	-0.04
Target Compounds						Qvalue
31) Naphthalene	10.92	128	34314	3.59	ng	# 93
49) Dimethylphthalate	14.13	163	54886	6.58	ng	99
70) Phenanthrene	17.47	178	30675	3.01	ng	98
74) Fluoranthene	19.47	202	97323	8.32	ng	96
77) Pyrene	19.83	202	88915	9.63	ng	99
80) Benzo(a)anthracene	21.67	228	47906	5.75	ng	95
82) Chrysene	21.73	228	60209m	7.43	ng	
85) Indeno(1,2,3-cd)pyrene	28.65	276	37721	4.15	ng	# 78
87) Benzo(b)fluoranthene	23.90	252	94572m	11.41	ng	
88) Benzo(k)fluoranthene	23.95	252	39387m	4.83	ng	
89) Benzo(a)pyrene	24.78	252	46315	5.84	ng	# 94
91) Benzo(a,h,i)perylene	29.81	276	32780	4.22	ng	# 85

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

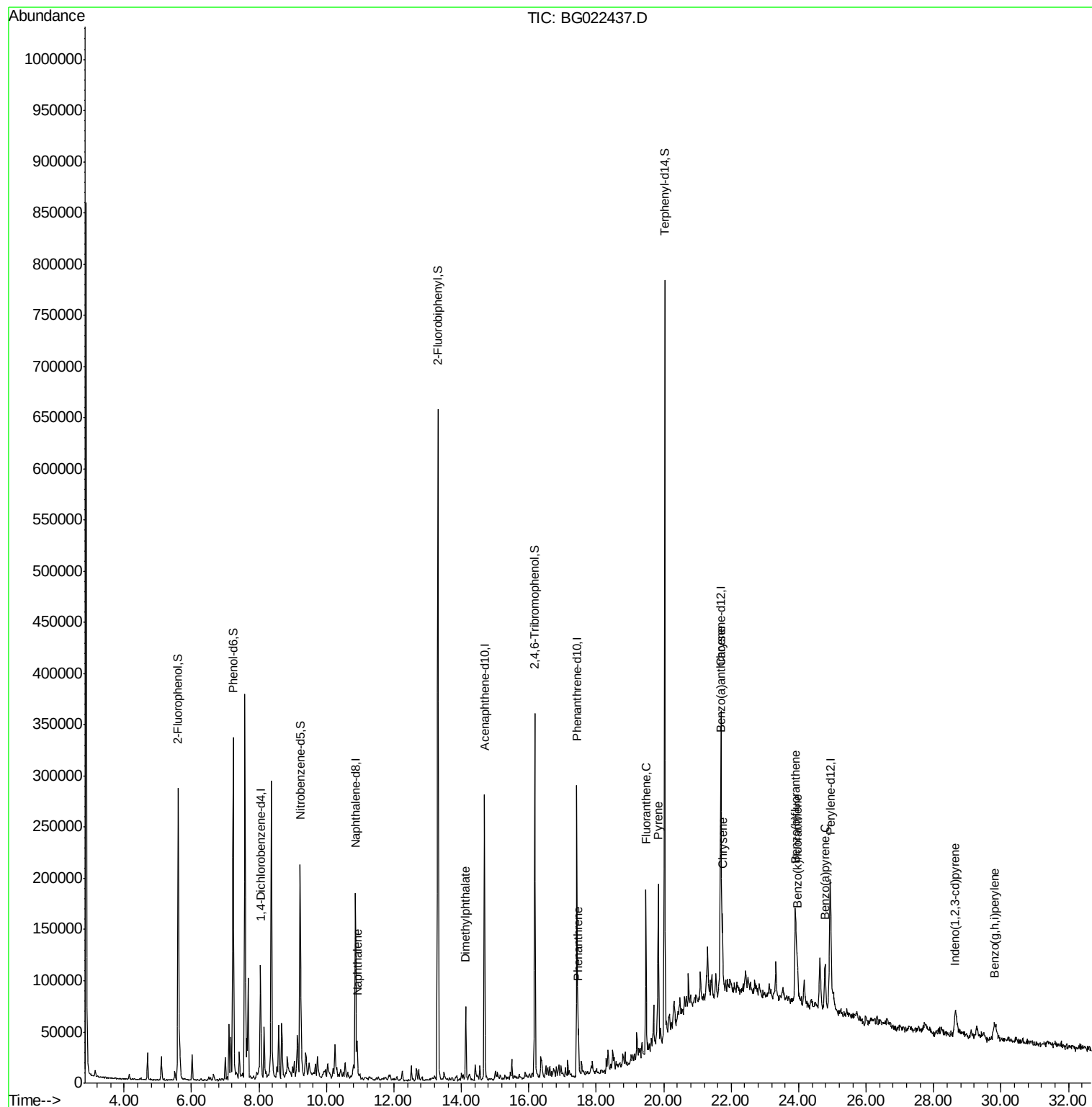
Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
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ALS Vial : 46 Sample Multiplier: 1

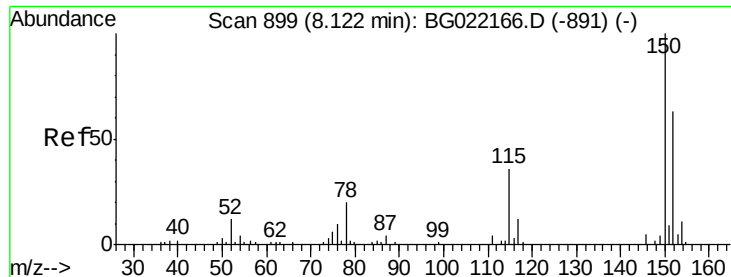
Instrument :
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#1

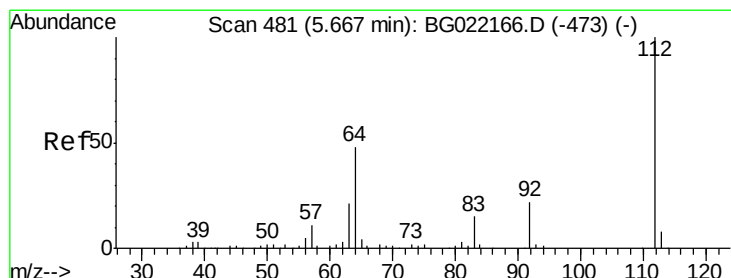
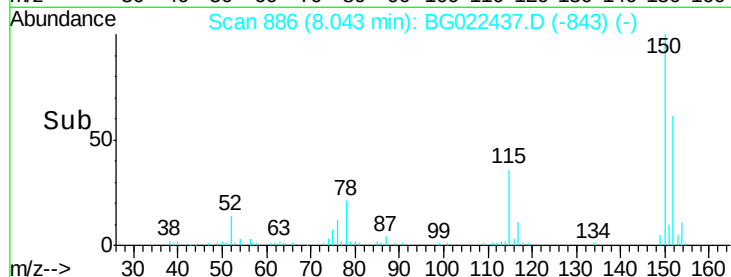
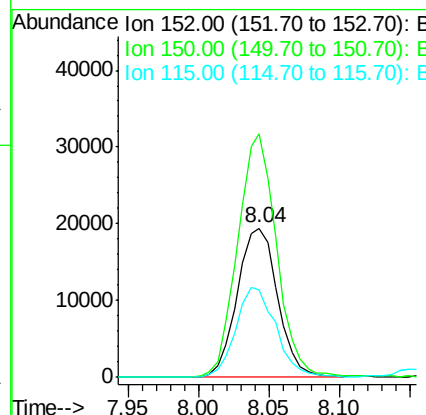
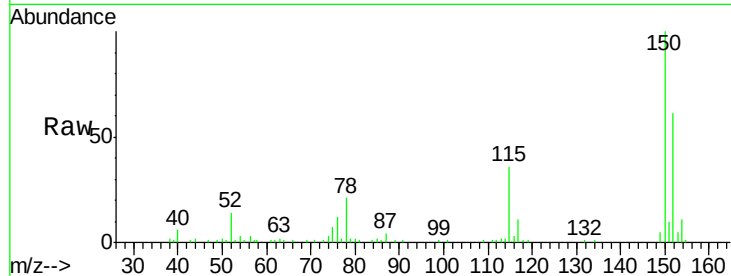
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 886
Delta R.T. -0.05 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Instrument :
BNA_G
ClientSampleId :
STA-1160-(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.5	130.1	195.1
115	58.9	62.2	93.2#

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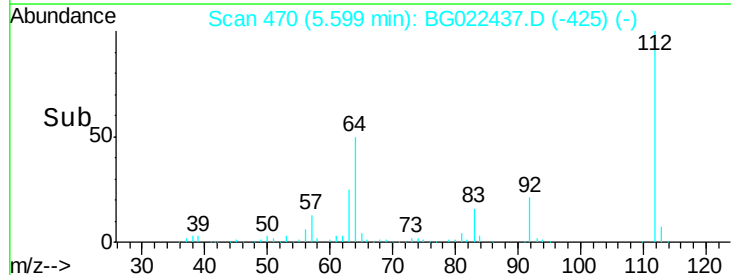
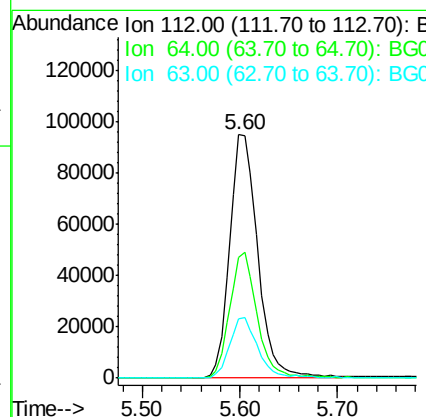
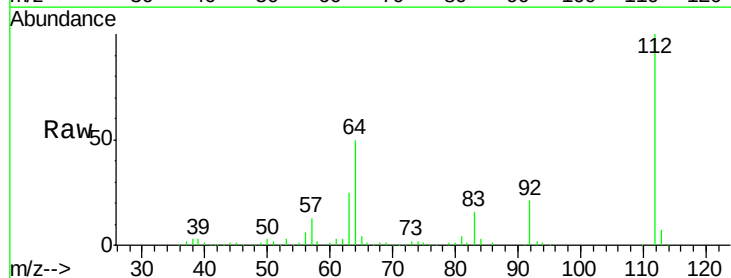
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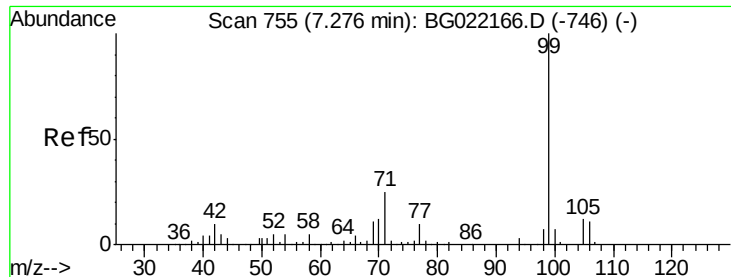


#5

2-Fluorophenol
Concen: 95.22 ng
RT: 5.60 min Scan# 470
Delta R.T. -0.04 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.8	51.1	76.7#
63	24.6	24.6	37.0#





#7

Phenol-d6

Concen: 90.44 ng

RT: 7.23 min Scan# 748

Delta R.T. -0.02 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

Instrument :

BNA_G

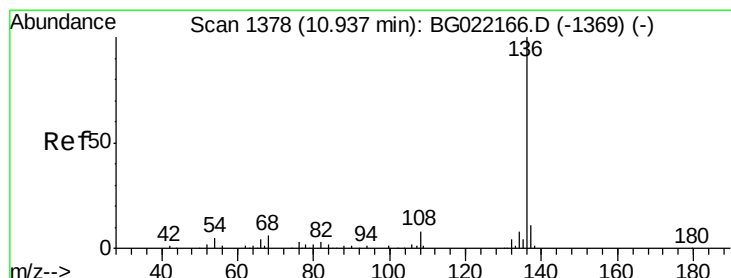
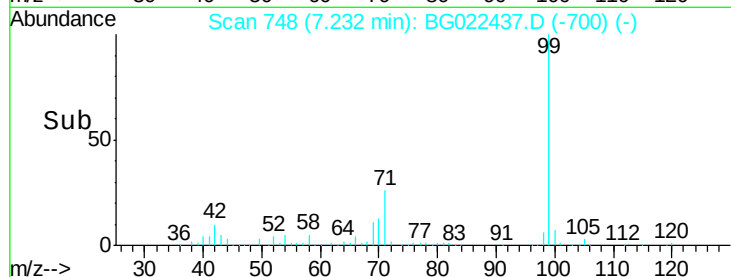
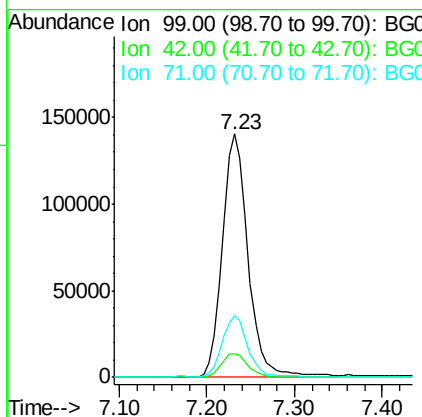
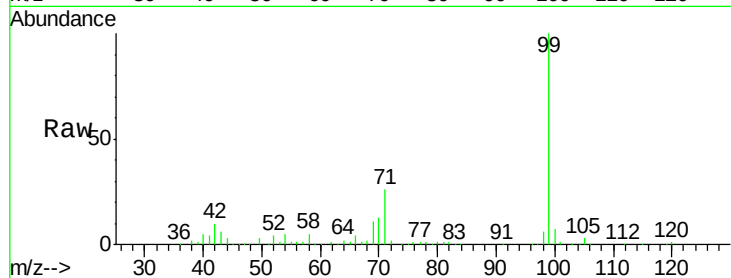
ClientSampleId :

STA-1160-(0-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		285761		
42	9.9	16.4	24.6#		
71	25.6	25.0	37.4		

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#21

Naphthalene-d8

Concen: 20.00 ng

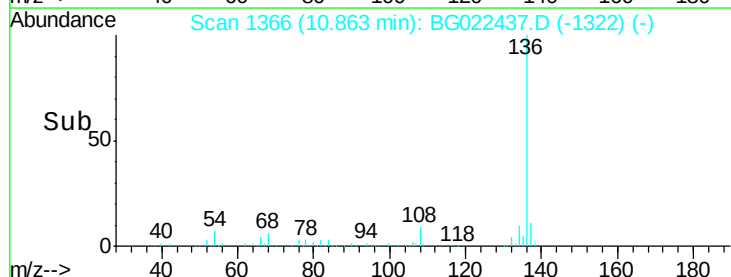
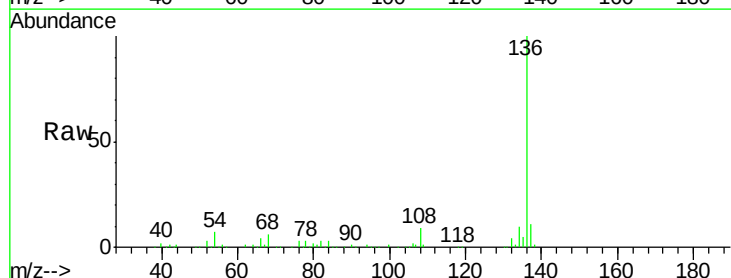
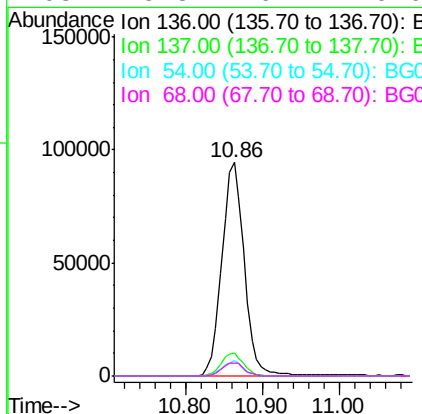
RT: 10.86 min Scan# 1366

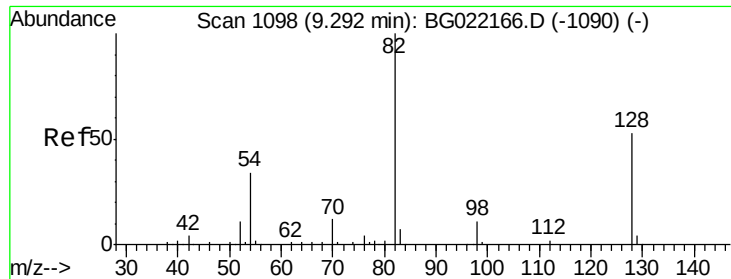
Delta R.T. -0.04 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		191698		
137	10.8	9.0	13.4		
54	6.9	9.6	14.4#		
68	5.8	6.4	9.6#		





#23

Nitrobenzene-d5

Concen: 60.01 ng

RT: 9.22 min Scan# 1086

Delta R.T. -0.04 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

Instrument :

BNA_G

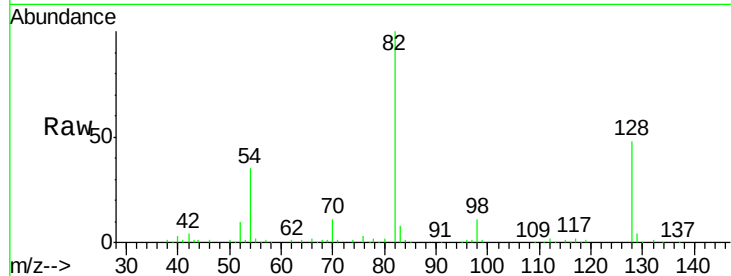
ClientSampled :

STA-1160-(0-4)

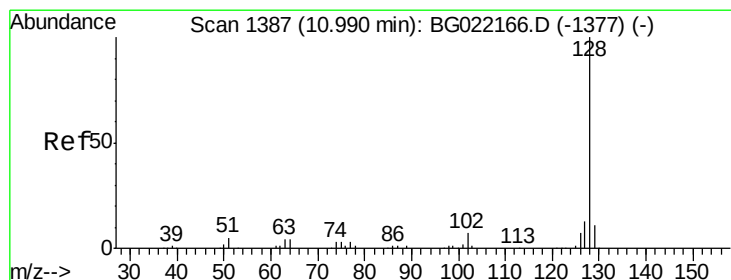
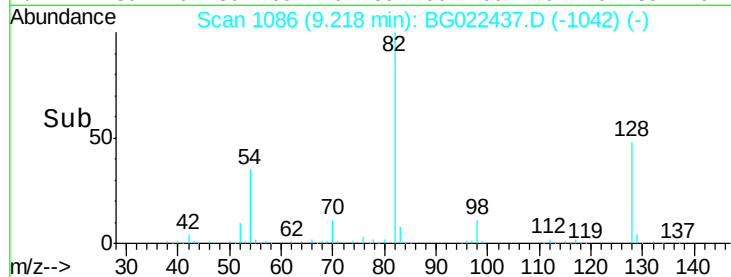
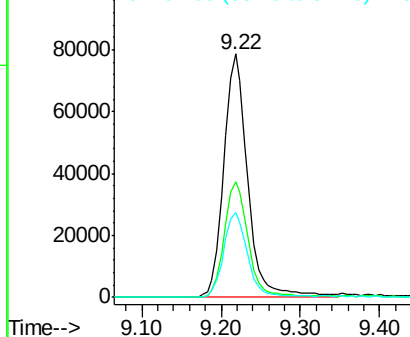
Tot Ion	82	Resp	164993
Ion Ratio	Lower	Upper	
82	100		
128	47.7	33.4	50.0
54	34.7	46.1	69.1#

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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



#31

Naphthalene

Concen: 3.59 ng

RT: 10.92 min Scan# 1375

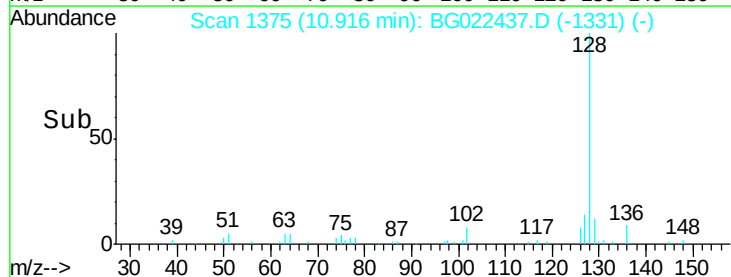
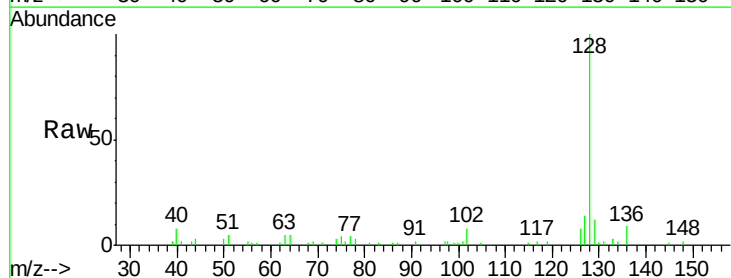
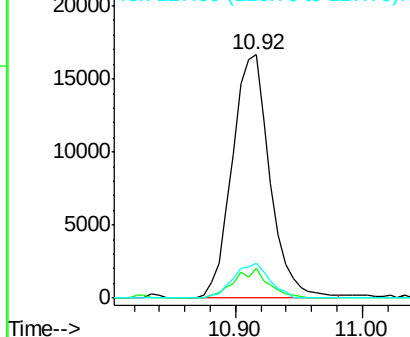
Delta R.T. -0.04 min

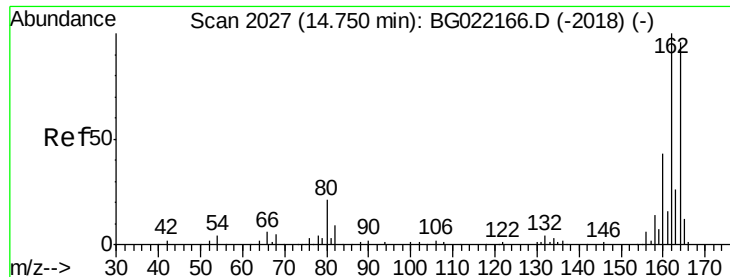
Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

Tgt Ion	128	Resp	34314
Ion Ratio	Lower	Upper	
128	100		
129	12.3	7.0	10.6#
127	14.3	10.1	15.1

Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 2016

Delta R.T. -0.04 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

Instrument :

BNA_G

ClientSampleId :

STA-1160-(0-4)

Tot Ion:164 Resp: 100622

Ion Ratio Lower Upper

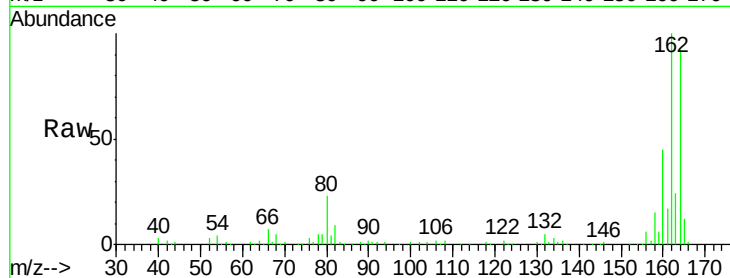
164 100

162 108.3 78.0 117.0

160 49.1 32.9 49.3

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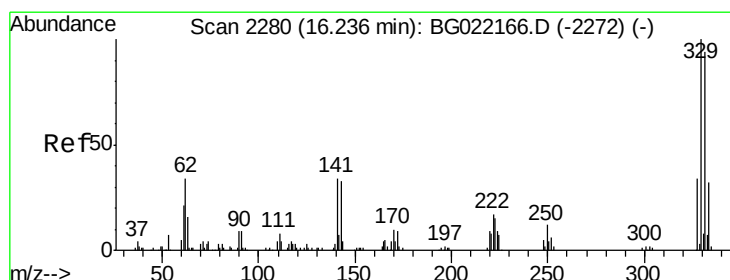
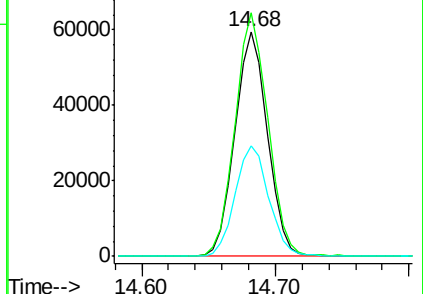
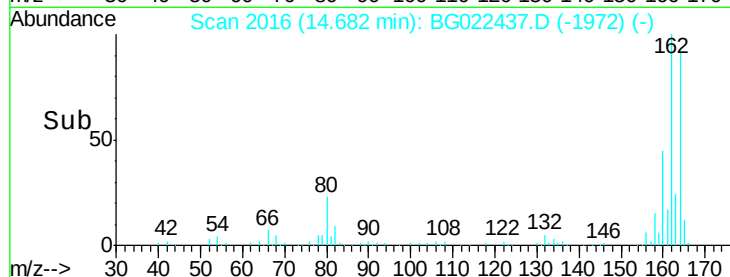
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 61.63 ng

RT: 16.17 min Scan# 2270

Delta R.T. -0.04 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

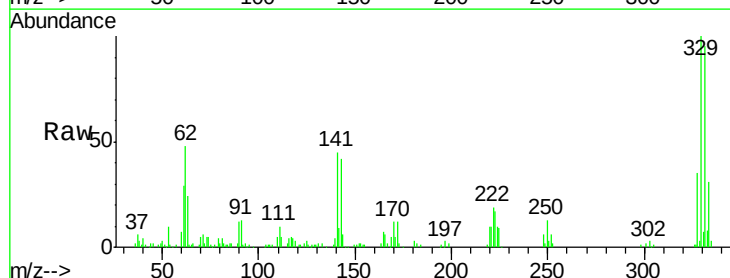
Tgt Ion:330 Resp: 70076

Ion Ratio Lower Upper

330 100

332 99.5 78.0 117.0

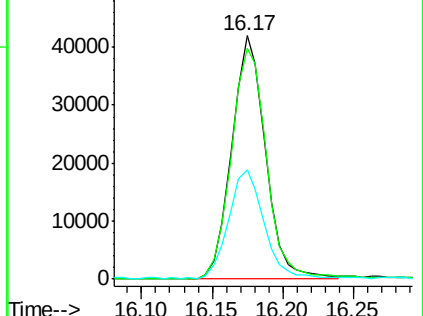
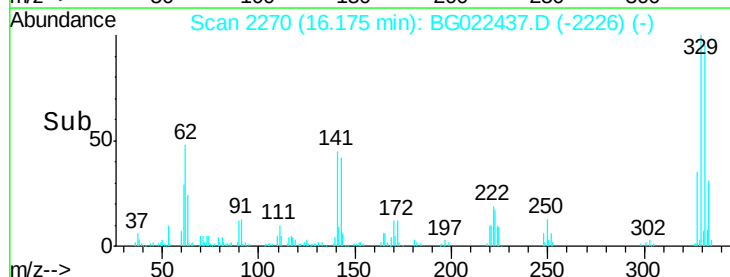
141 47.9 33.8 50.8

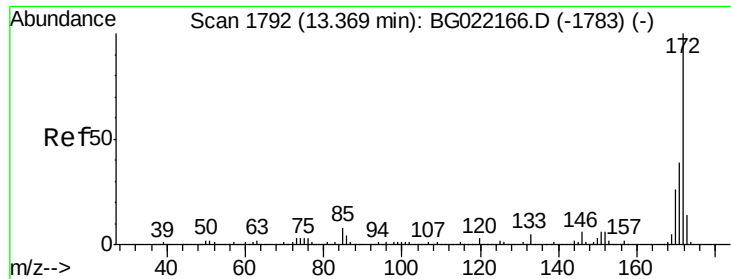


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





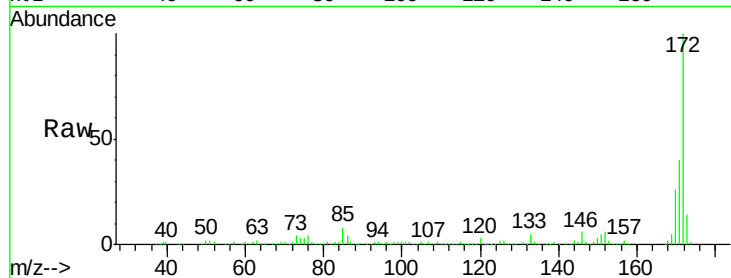
#44
2-Fluorobiphenyl
Concen: 57.55 ng
RT: 13.30 min Scan# 1781
Delta R.T. -0.04 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Instrument :
BNA_G
ClientSampleId :
STA-1160-(0-4)

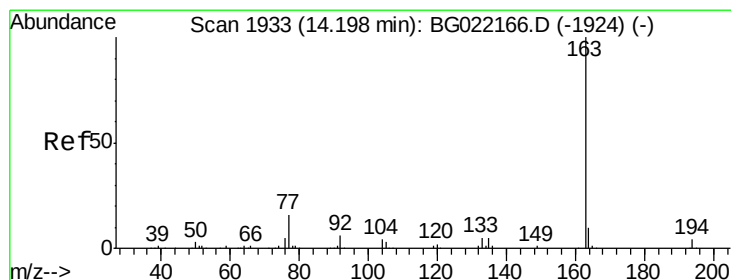
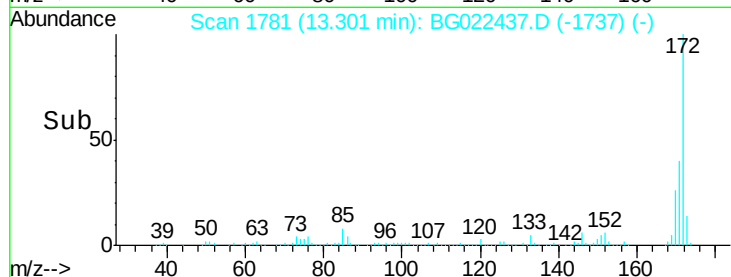
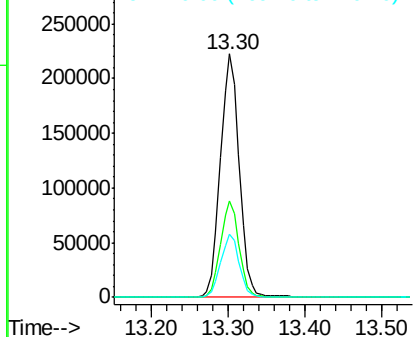
Tot Ion	Ratio	Lower	Upper
172	100		
171	39.6	27.8	41.6
170	25.8	19.6	29.4

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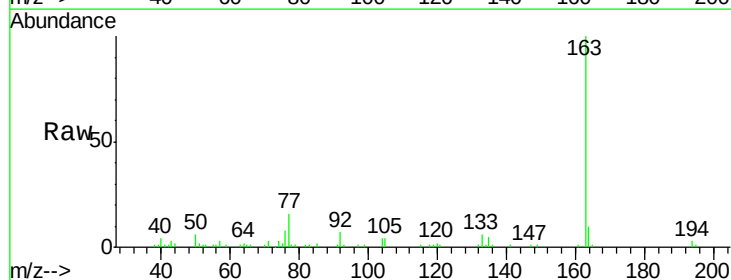


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

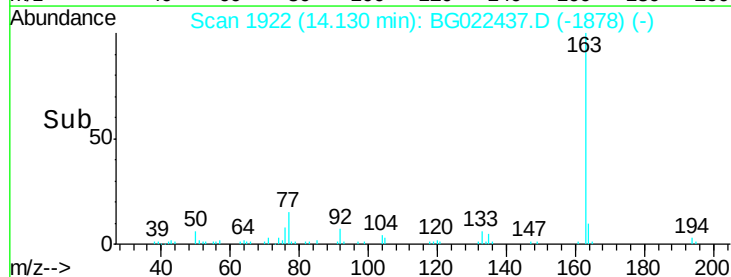
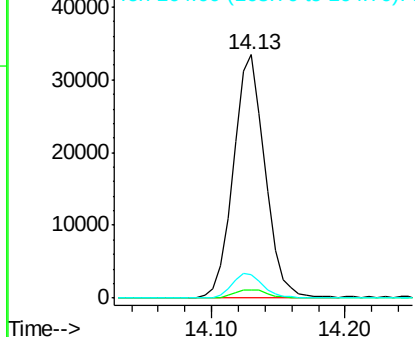


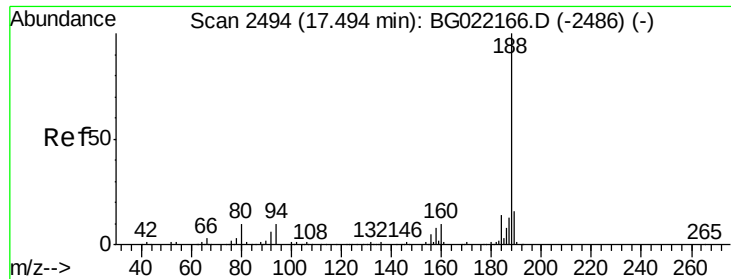
#49
Dimethylphthalate
Concen: 6.58 ng
RT: 14.13 min Scan# 1922
Delta R.T. -0.04 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.6
164	9.7	8.1	12.1



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





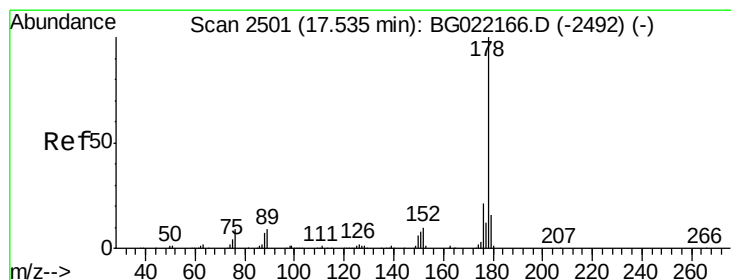
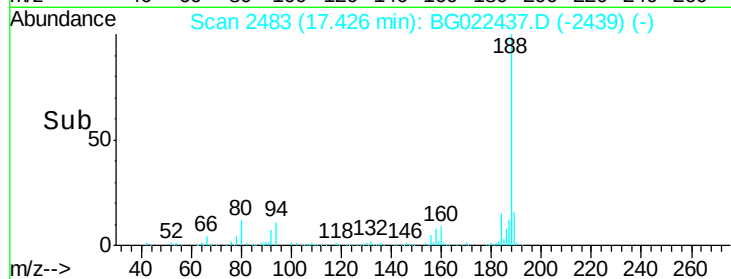
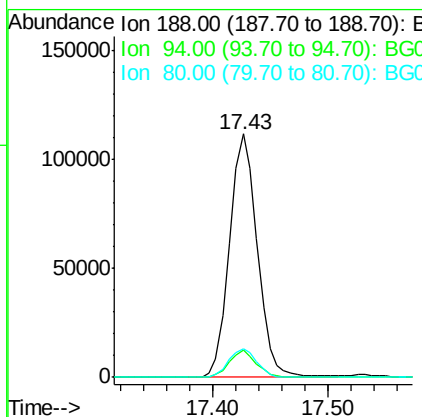
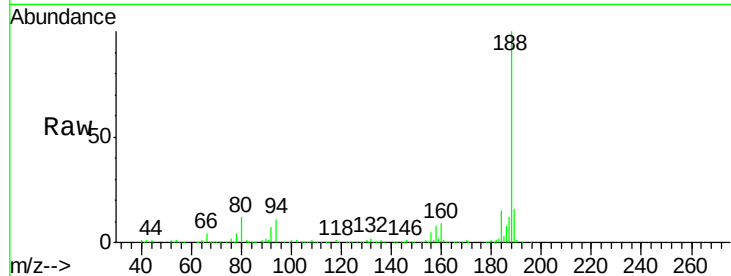
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.43 min Scan# 2483
Delta R.T. -0.04 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Instrument :
BNA_G
ClientSampleId :
STA-1160-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	187408		
94	11.2		7.5	11.3
80	11.9		8.6	13.0

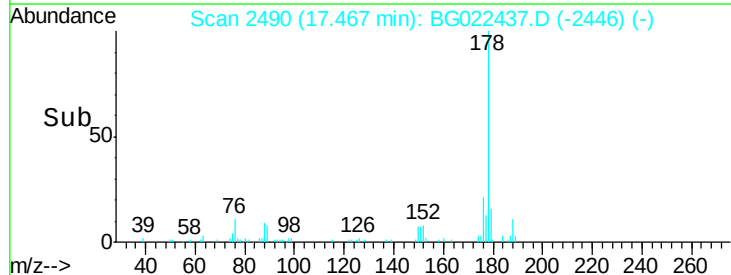
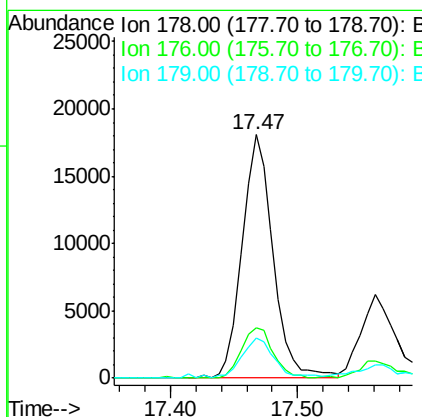
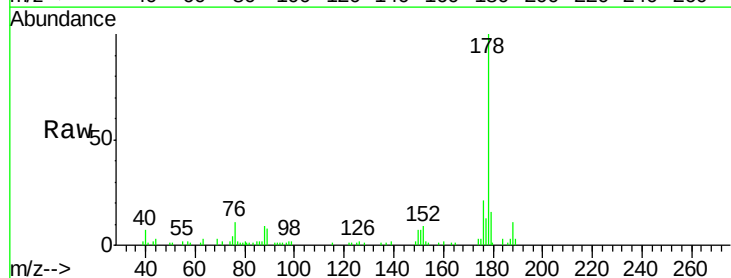
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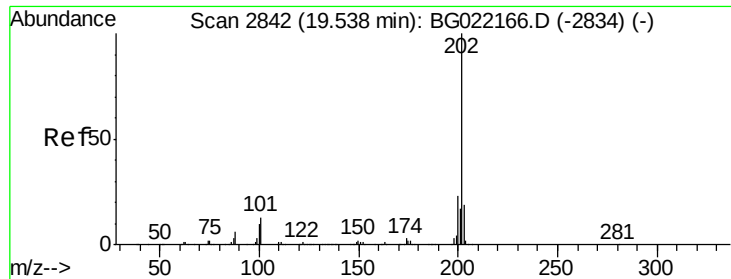
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#70
Phenanthrene
Concen: 3.01 ng
RT: 17.47 min Scan# 2490
Delta R.T. -0.04 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	30675		
176	20.7		16.2	24.4
179	16.4		12.0	18.0





#74

Fluoranthene

Concen: 8.32 ng

RT: 19.47 min Scan# 2831

Delta R.T. -0.04 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

Instrument :

BNA_G

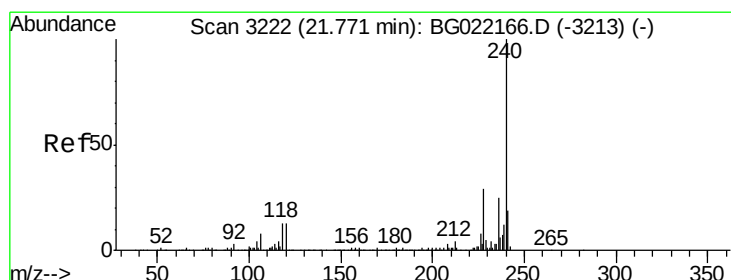
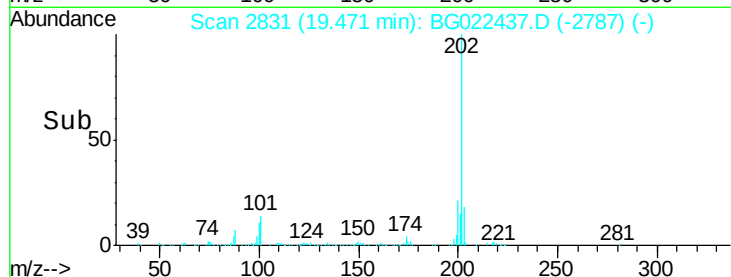
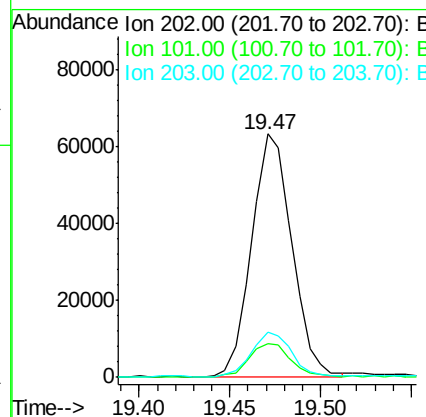
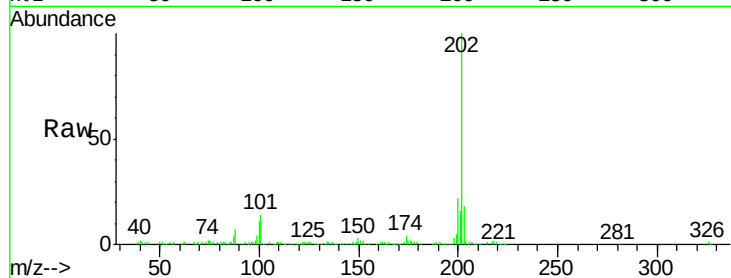
ClientSampleId :

STA-1160-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	97323		
101	14.1	0.0	31.0	
203	18.4	0.0	37.9	

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#75

Chrysene-d12

Concen: 20.00 ng

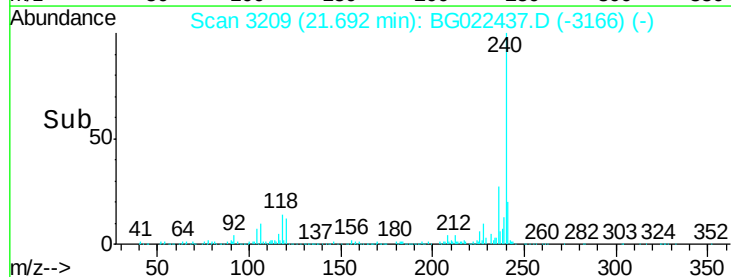
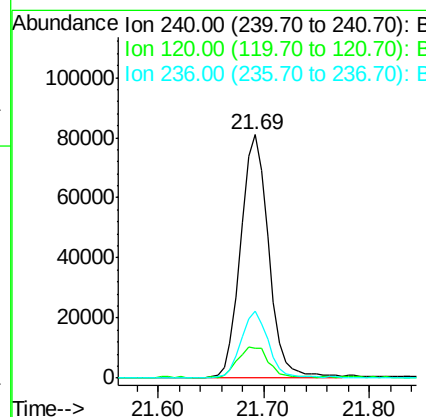
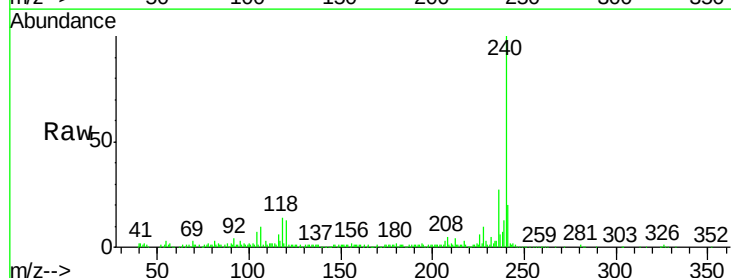
RT: 21.69 min Scan# 3209

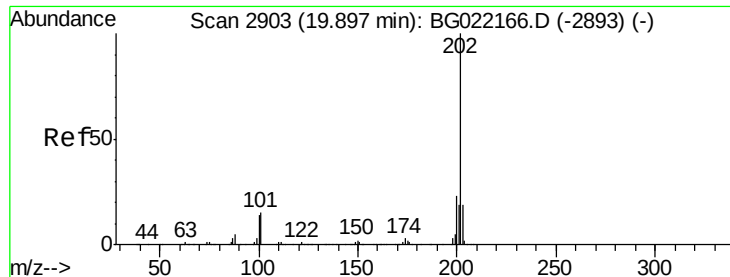
Delta R.T. -0.05 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	148596		
120	12.5	8.4	12.6	
236	27.3	19.6	29.4	





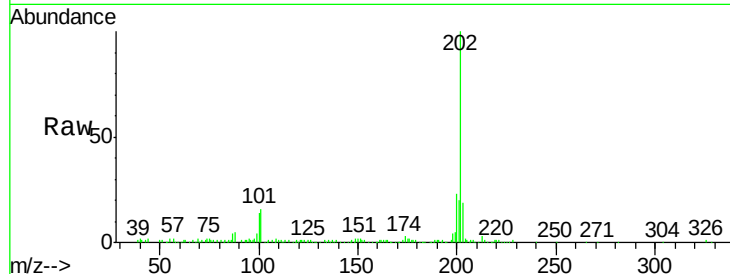
#77
Pvrene
Concen: 9.63 ng
RT: 19.83 min Scan# 2893
Delta R.T. -0.04 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Instrument :
BNA_G
ClientSampleId :
STA-1160-(0-4)

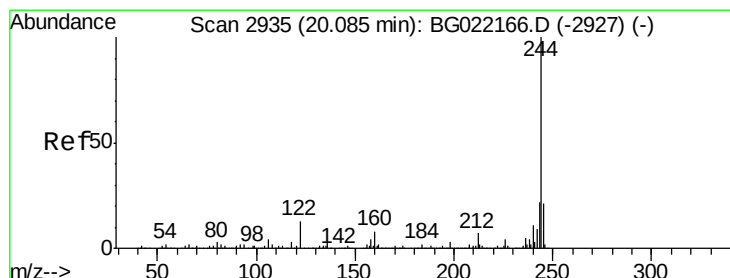
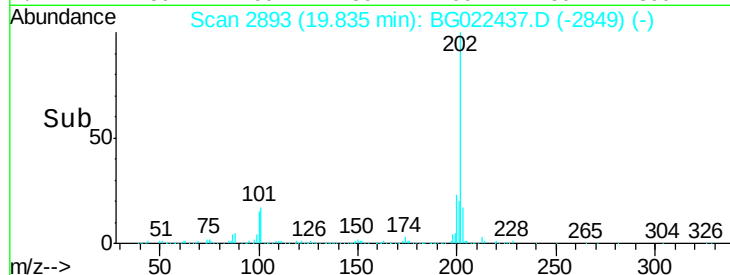
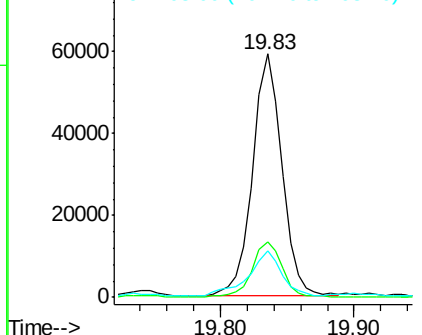
Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	22.5	18.2	27.2	
203	19.1	15.0	22.4	

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6/20/2016 6:55:19 PM

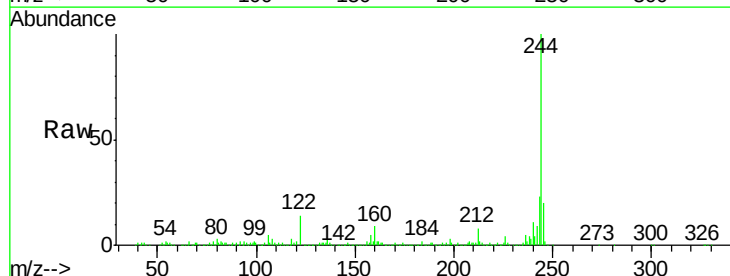


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

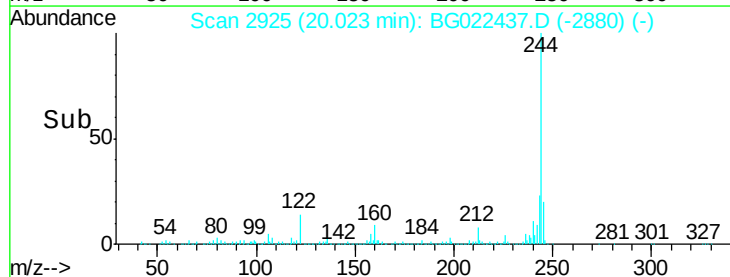
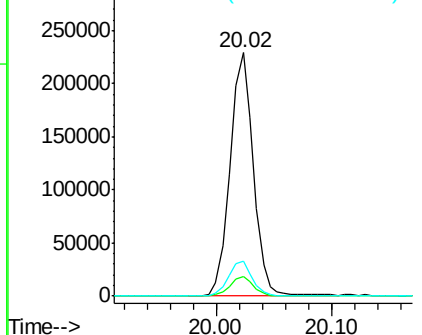


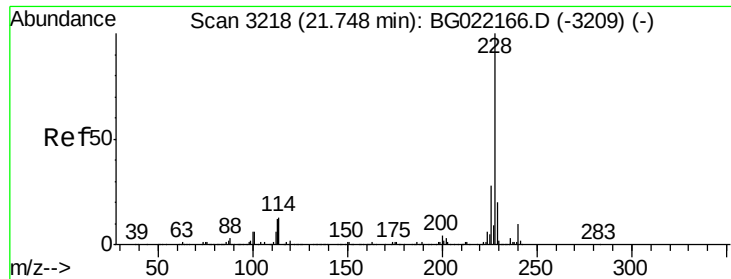
#78
Terphenyl-d14
Concen: 51.46 ng
RT: 20.02 min Scan# 2925
Delta R.T. -0.04 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.1	6.5	9.7	
122	14.2	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





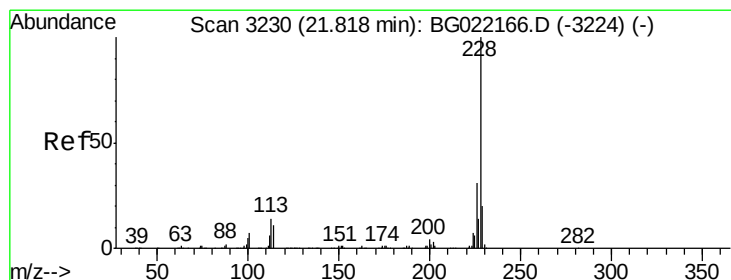
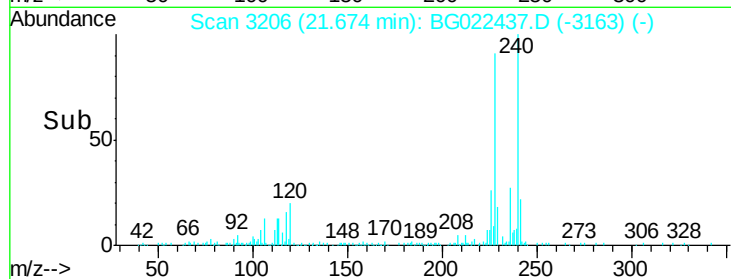
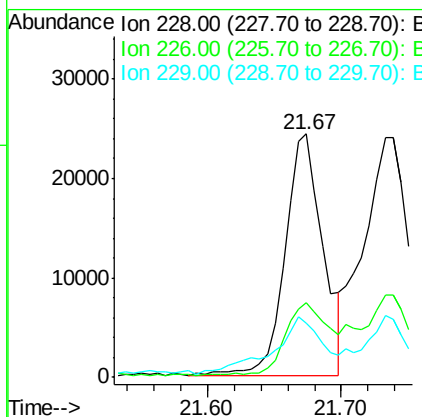
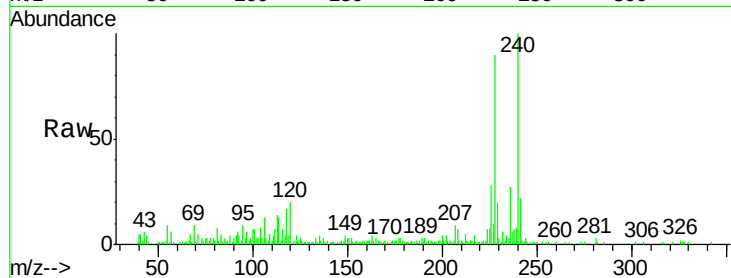
#80
Benzo(a)anthracene
Concen: 5.75 ng
RT: 21.67 min Scan# 3206
Delta R.T. -0.05 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Instrument :
BNA_G
ClientSampleId :
STA-1160-(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	34.0
229	22.1	16.1	24.1

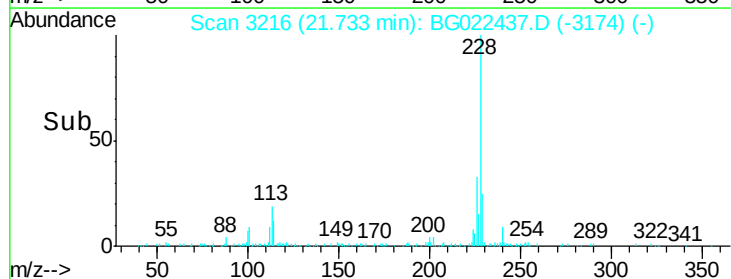
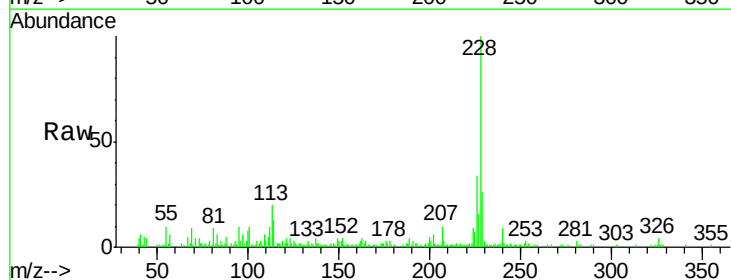
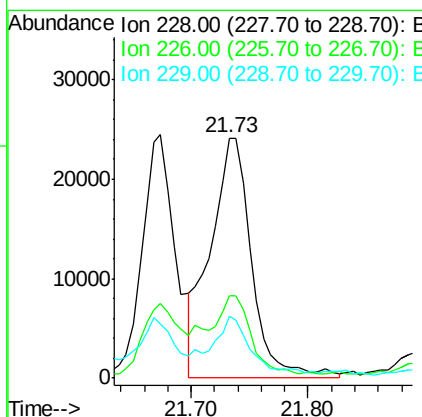
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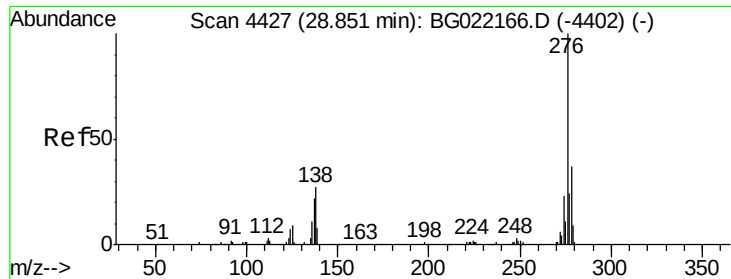
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6/20/2016 6:55:19 PM



#82
Chrysene
Concen: 7.43 ng m
RT: 21.73 min Scan# 3216
Delta R.T. -0.05 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.5	25.4	38.0
229	25.8	15.9	23.9





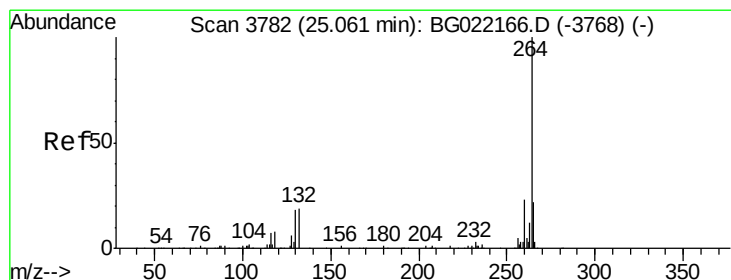
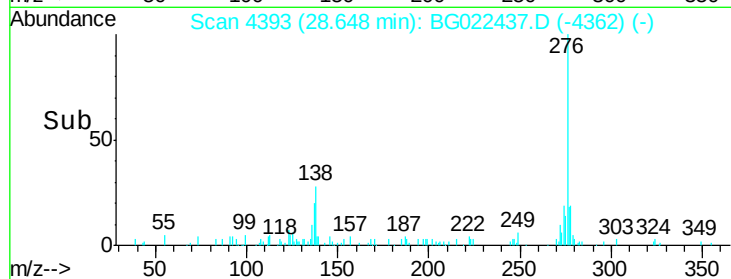
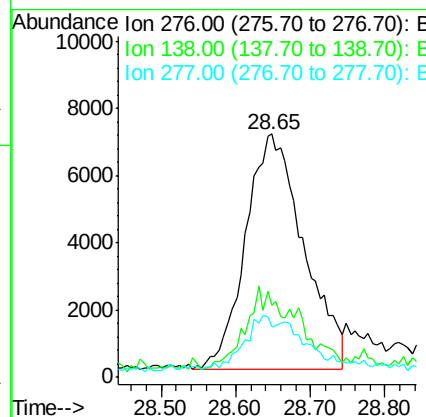
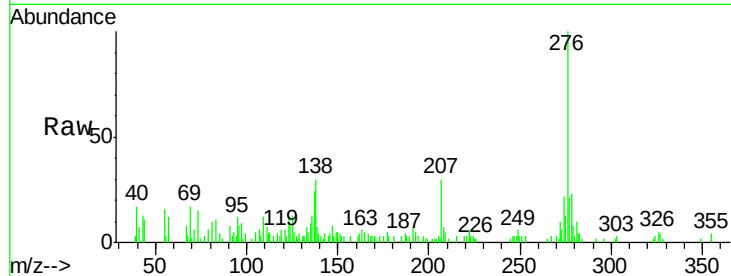
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.15 ng
 RT: 28.65 min Scan# 4393
 Delta R.T. -0.12 min
 Lab File: BG022437.D
 Acq: 18 Jun 2016 23:58

Instrument :
 BNA_G
 ClientSampleId :
 STA-1160-(0-4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	11.4	14.0	21.0#
277	12.0	20.6	30.8#

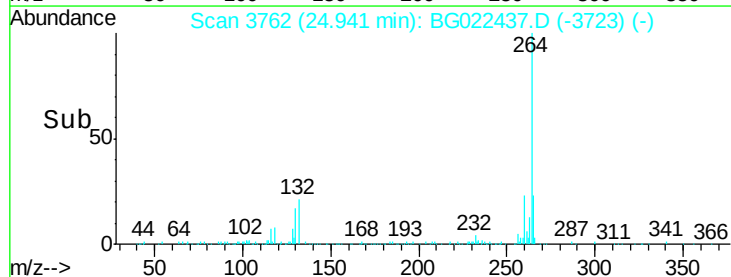
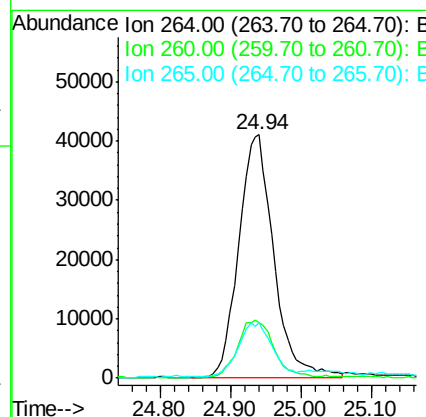
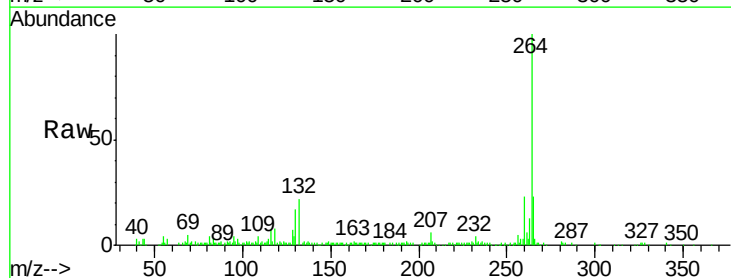
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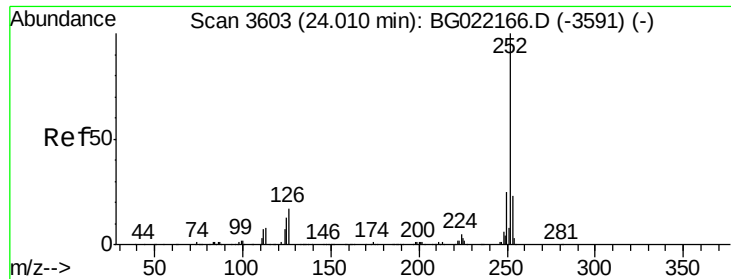
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.94 min Scan# 3762
 Delta R.T. -0.07 min
 Lab File: BG022437.D
 Acq: 18 Jun 2016 23:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	20.2	30.4
265	22.7	17.8	26.8





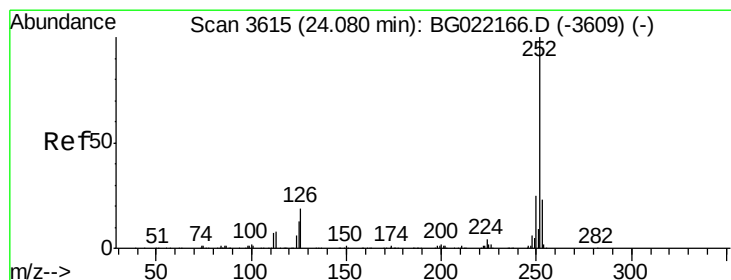
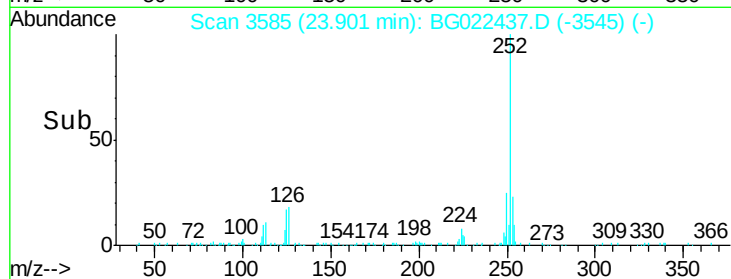
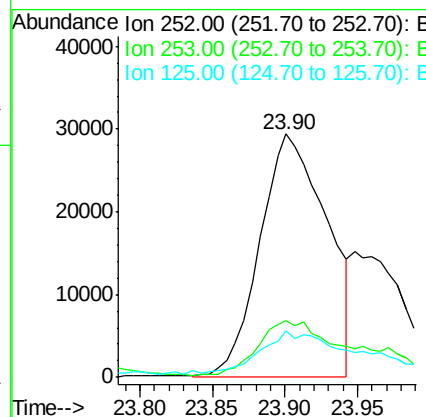
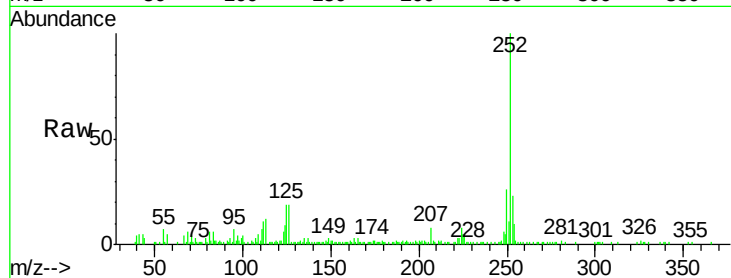
#87
Benzo(b)fluoranthene
Concen: 11.41 ng m
RT: 23.90 min Scan# 3585
Delta R.T. -0.07 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Instrument :
BNA_G
ClientSampleId :
STA-1160-(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	19.2	8.6	13.0

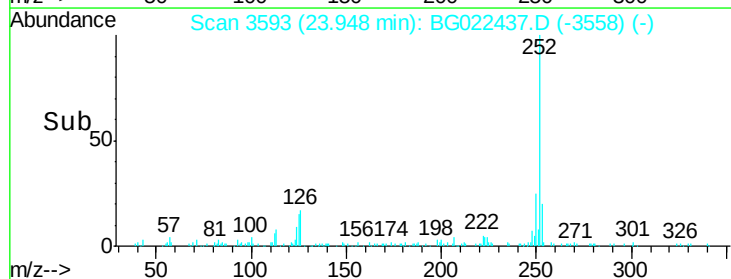
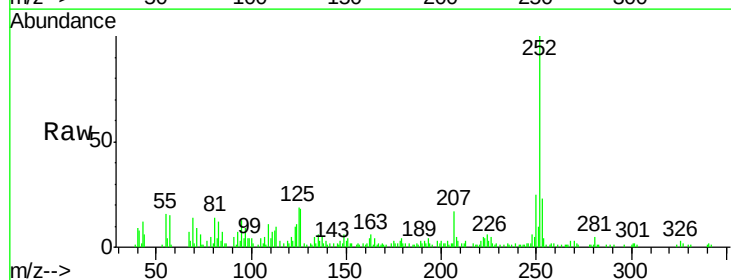
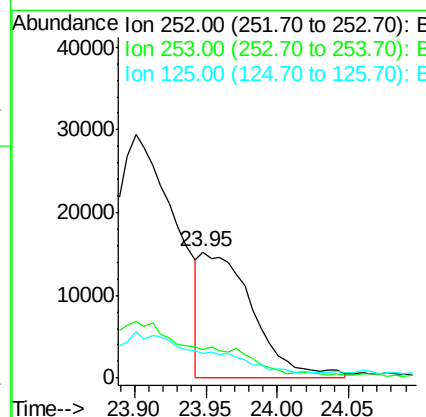
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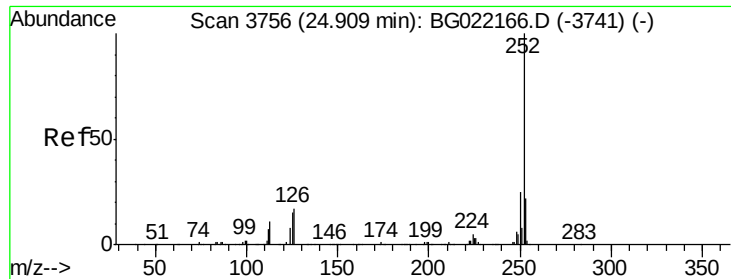
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6/20/2016 6:55:19 PM



#88
Benzo(k)fluoranthene
Concen: 4.83 ng m
RT: 23.95 min Scan# 3593
Delta R.T. -0.09 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	19.4	8.3	12.5





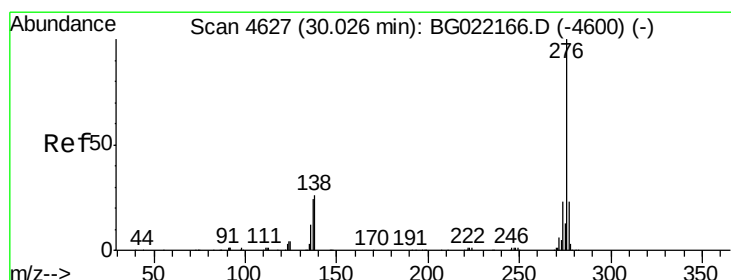
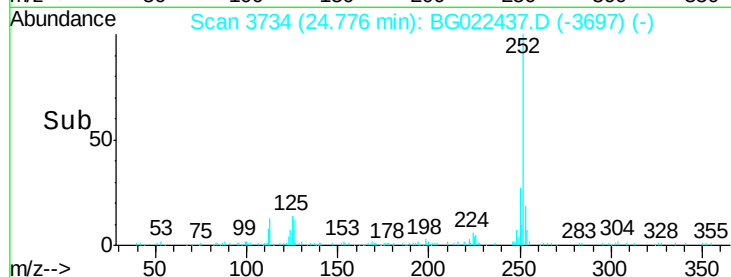
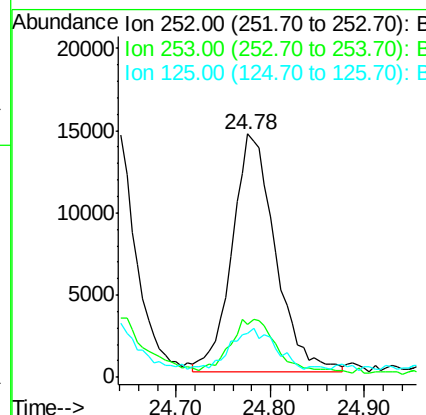
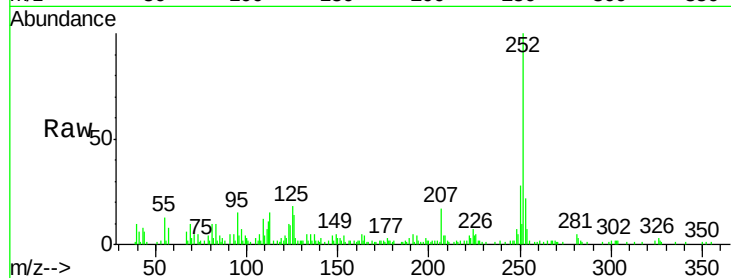
#89
Benzo(a)pyrene
Concen: 5.84 ng
RT: 24.78 min Scan# 3734
Delta R.T. -0.08 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Instrument :
BNA_G
ClientSampleId :
STA-1160-(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	18.1	9.6	14.4

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#91
Benzo(g,h,i)perylene
Concen: 4.22 ng
RT: 29.81 min Scan# 4590
Delta R.T. -0.14 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.0	19.4	29.2
138	31.4	17.4	26.0

