

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
 Data File : BG022438.D
 Acq On : 19 Jun 2016 00:38
 Operator : UM/SJ
 Sample : H3471-28
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STA-1172-(0-4)

Manual Integrations
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Quant Time: Jun 20 04:04:02 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	34497	20.00	ng	-0.05
21) Naphthalene-d8	10.86	136	176231	20.00	ng	-0.04
38) Acenaphthene-d10	14.68	164	90804	20.00	ng	-0.04
63) Phenanthrene-d10	17.43	188	171909	20.00	ng	-0.04
75) Chrysene-d12	21.70	240	148387	20.00	ng	-0.04
86) Perylene-d12	24.95	264	135608	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	288205	161.53	ng	-0.03
7) Phenol-d6	7.23	99	437238	155.86	ng	-0.02
23) Nitrobenzene-d5	9.22	82	238878	94.50	ng	-0.04
41) 2,4,6-Tribromophenol	16.18	330	110542	107.74	ng	-0.04
44) 2-Fluorobiphenyl	13.30	172	510838	85.73	ng	-0.04
78) Terphenyl-d14	20.02	244	451643	72.26	ng	-0.04
Target Compounds						Qvalue
31) Naphthalene	10.91	128	18622	2.12	ng	97
48) Acenaphthylene	14.41	152	165805	18.04	ng	98
49) Dimethylphthalate	14.13	163	134286	17.84	ng	99
51) Acenaphthene	14.74	154	20885	3.79	ng	# 89
54) Dibenzofuran	15.08	168	30278	3.52	ng	95
57) Fluorene	15.73	166	56131	7.58	ng	95
70) Phenanthrene	17.47	178	893022	95.64	ng	95
71) Anthracene	17.56	178	160974	17.38	ng	97
72) Carbazole	17.84	167	60328	6.88	ng	96
74) Fluoranthene	19.48	202	1607840	149.79	ng	88
77) Pyrene	19.84	202	1219084	132.15	ng	95
80) Benzo(a)anthracene	21.68	228	733156	88.11	ng	95
82) Chrysene	21.75	228	599093	73.99	ng	96
85) Indeno(1,2,3-cd)pyrene	28.67	276	283944	31.26	ng	# 86
87) Benzo(b)fluoranthene	23.92	252	837111	105.84	ng	# 93
88) Benzo(k)fluoranthene	23.98	252	273633m	35.15	ng	
89) Benzo(a)pyrene	24.80	252	519801	68.74	ng	# 91
90) Dibenzo(a,h)anthracene	28.71	278	60305	8.47	ng	# 84
91) Benzo(a,h,i)perylene	29.84	276	216629	29.23	ng	# 94

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

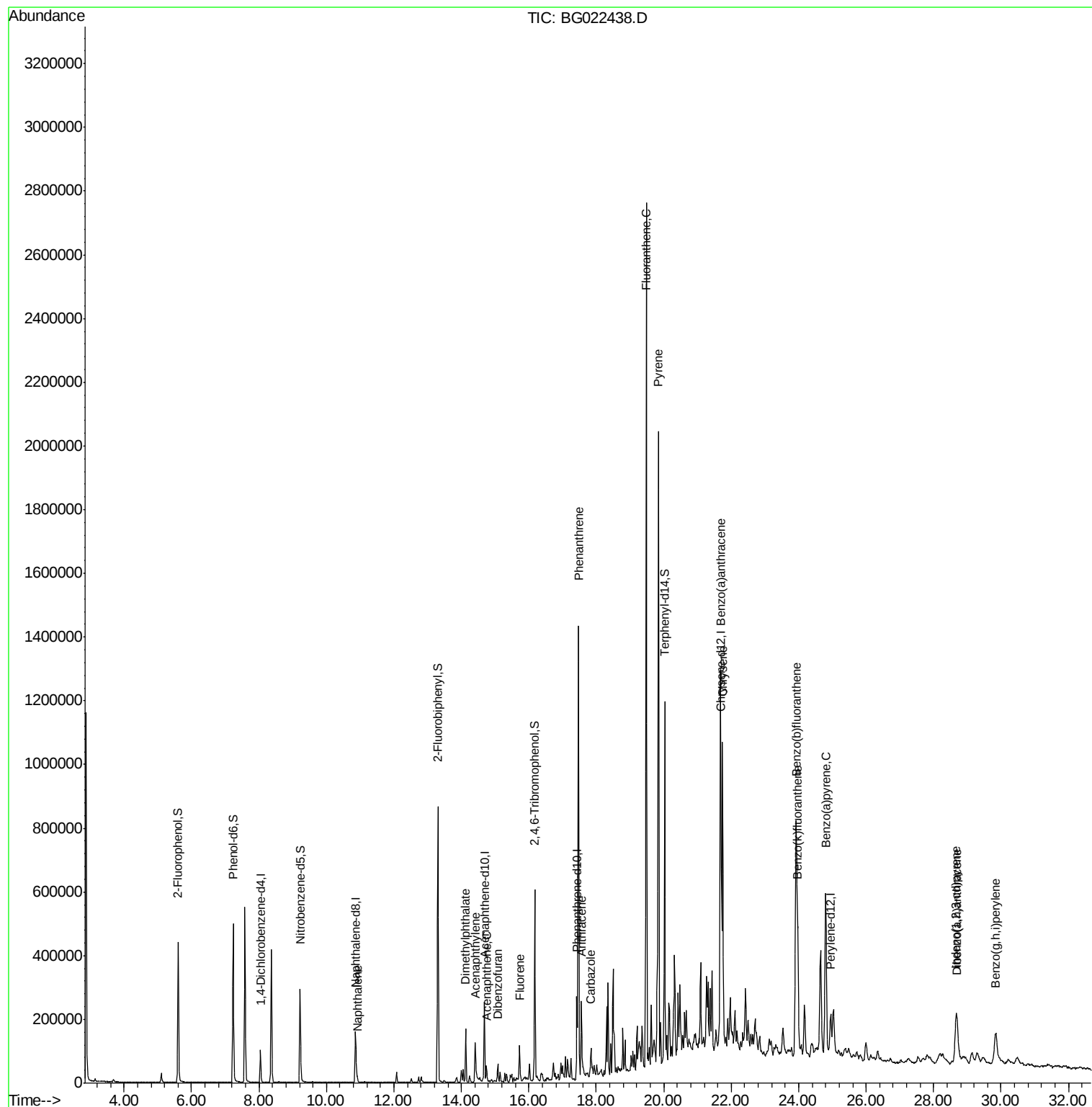
Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
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ALS Vial : 47 Sample Multiplier: 1

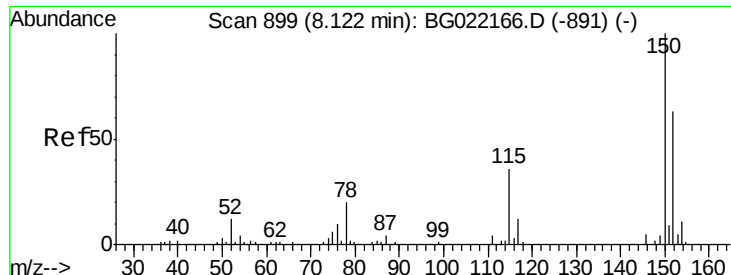
Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

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Quant Time: Jun 20 04:04:02 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

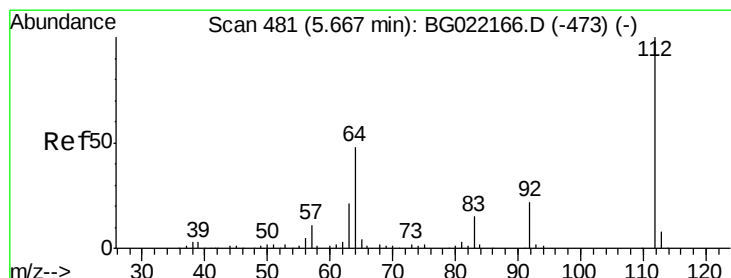
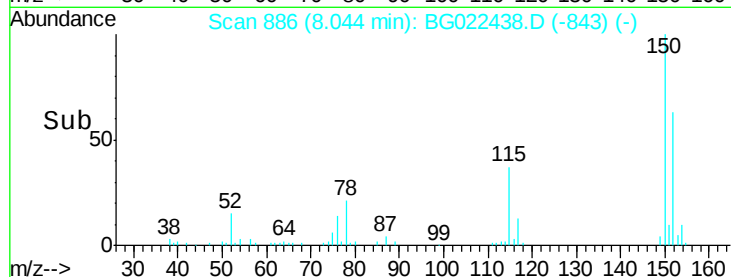
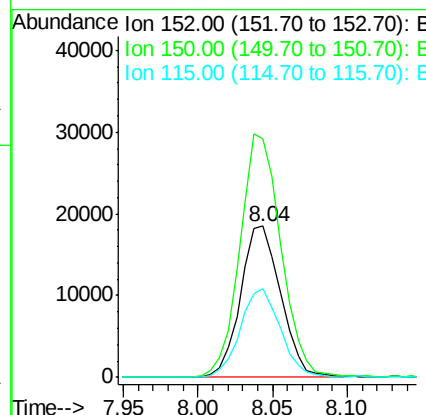
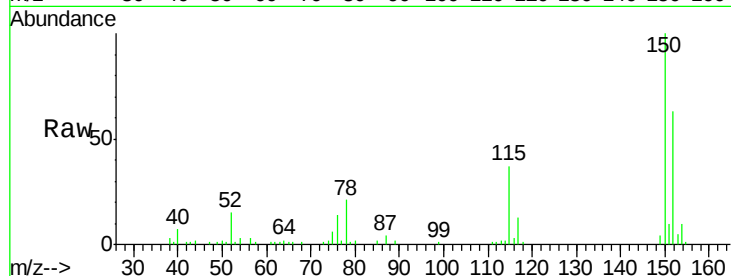
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 886
Delta R.T. -0.05 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	130.1	195.1
115	58.9	62.2	93.2

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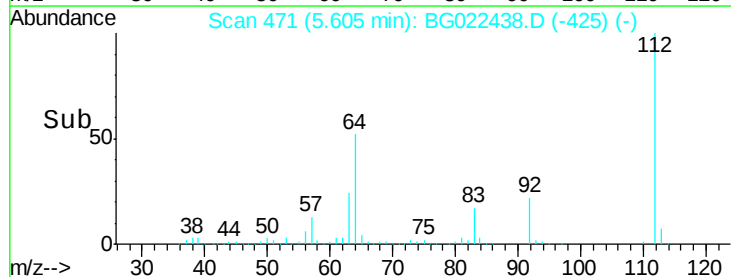
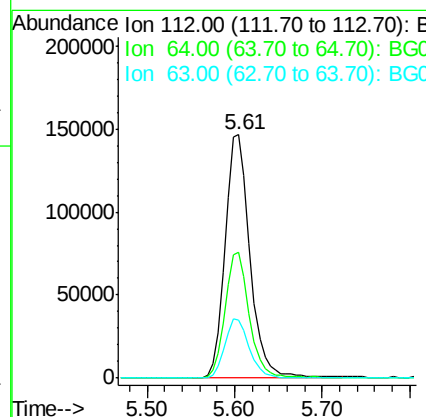
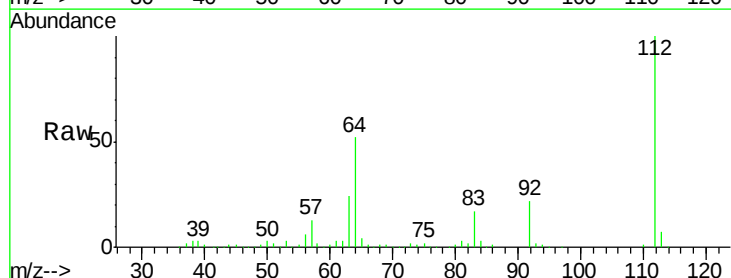
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#5

2-Fluorophenol
Concen: 161.53 ng
RT: 5.61 min Scan# 471
Delta R.T. -0.03 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.6	51.1	76.7
63	24.1	24.6	37.0





#7

Phenol-d6

Concen: 155.86 ng

RT: 7.23 min Scan# 748

Delta R.T. -0.02 min

Lab File: BG022438.D

Acq: 19 Jun 2016 00:38

Instrument :

BNA_G

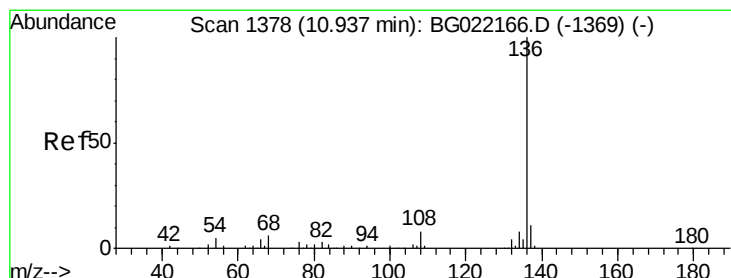
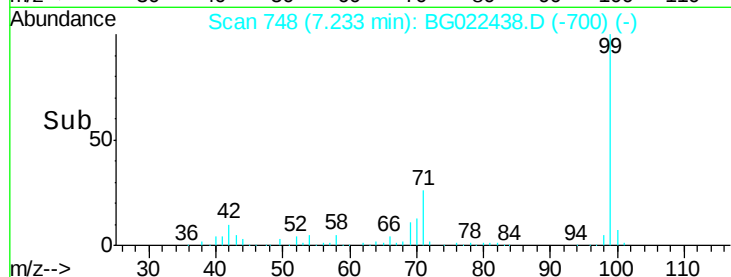
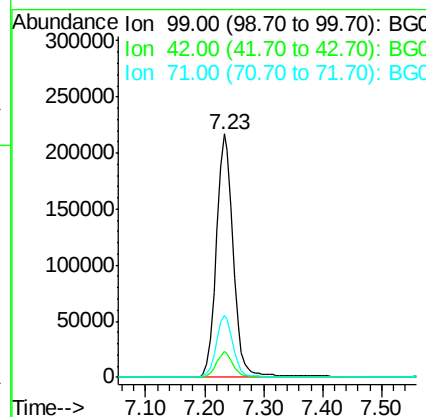
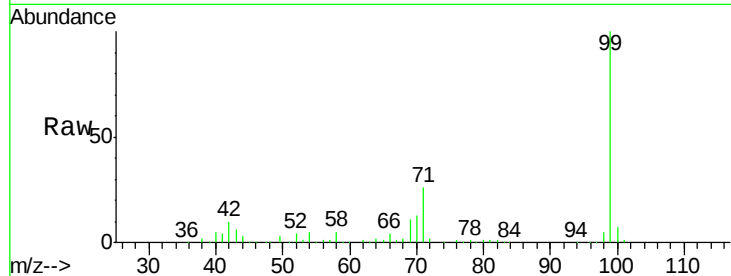
ClientSampleId :

STA-1172-(0-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		437238		
42	10.4	16.4	24.6#		
71	25.6	25.0	37.4		

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#21

Naphthalene-d8

Concen: 20.00 ng

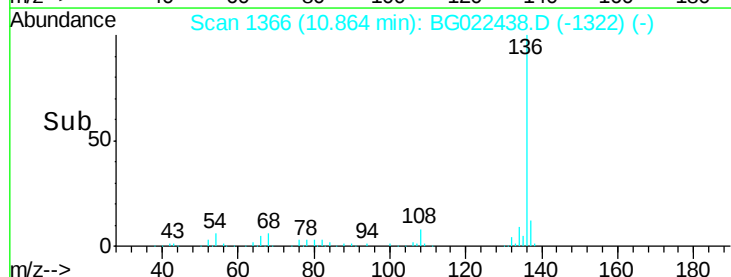
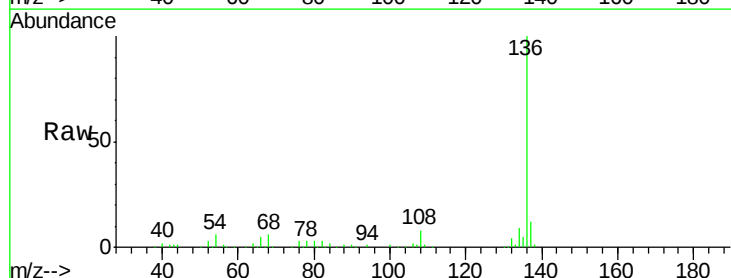
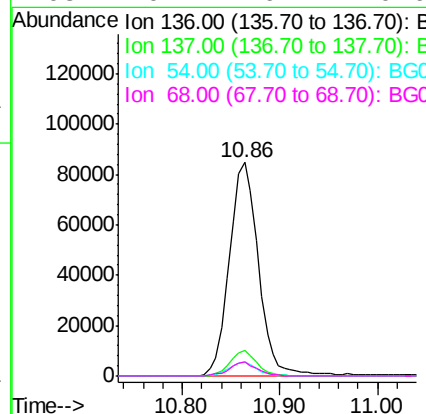
RT: 10.86 min Scan# 1366

Delta R.T. -0.04 min

Lab File: BG022438.D

Acq: 19 Jun 2016 00:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		176231		
137	11.8	9.0	13.4		
54	6.4	9.6	14.4#		
68	6.4	6.4	9.6		





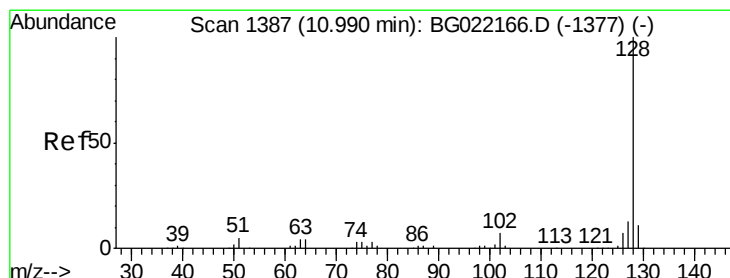
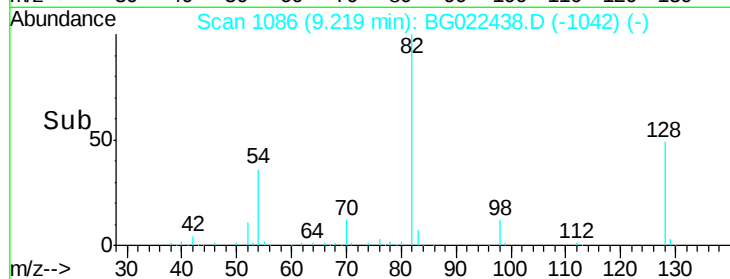
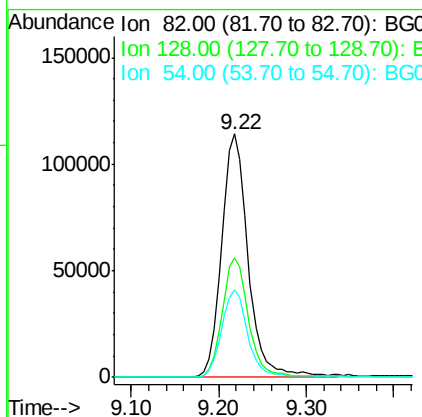
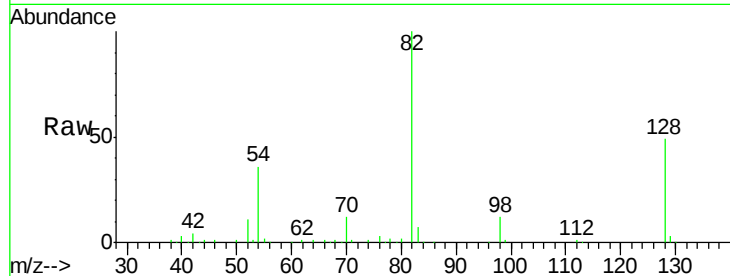
#23
Nitrobenzene-d5
Concen: 94.50 ng
RT: 9.22 min Scan# 1086
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.3	33.4	50.0
54	36.1	46.1	69.1

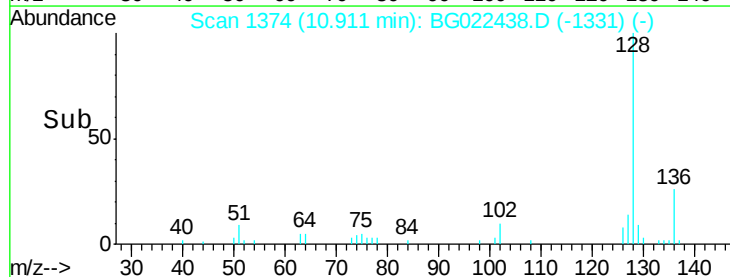
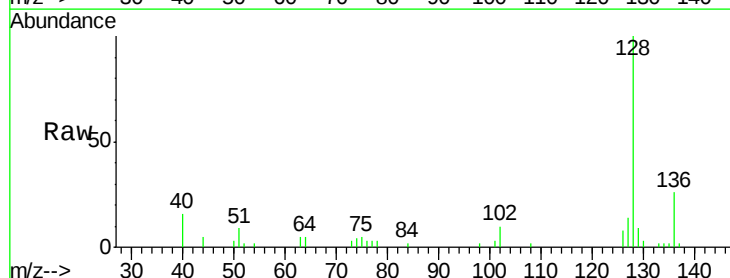
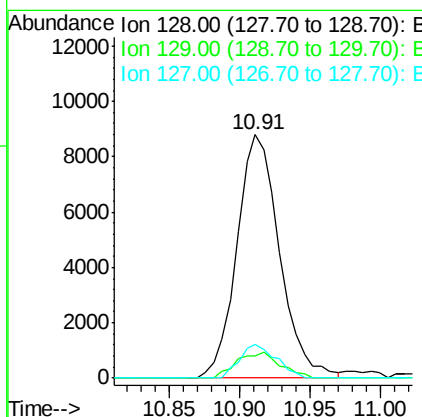
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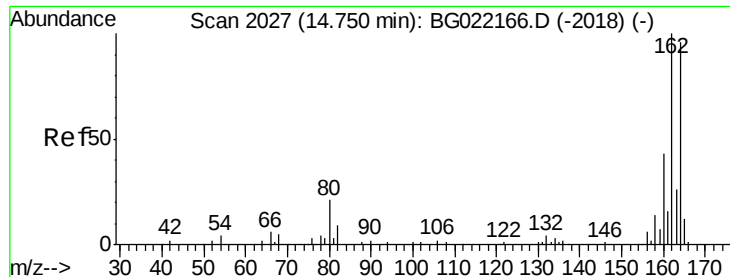
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#31
Naphthalene
Concen: 2.12 ng
RT: 10.91 min Scan# 1374
Delta R.T. -0.05 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.3	7.0	10.6
127	14.0	10.1	15.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 2016

Delta R.T. -0.04 min

Lab File: BG022438.D

Acq: 19 Jun 2016 00:38

Instrument :

BNA_G

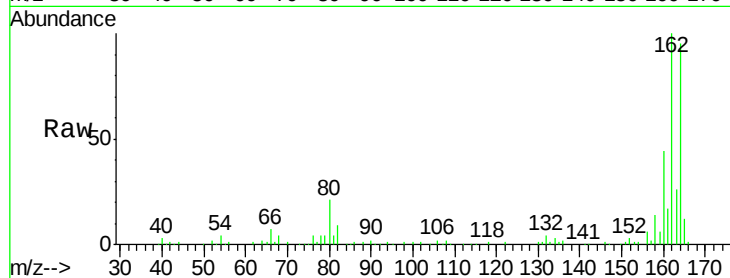
ClientSampleId :

STA-1172-(0-4)

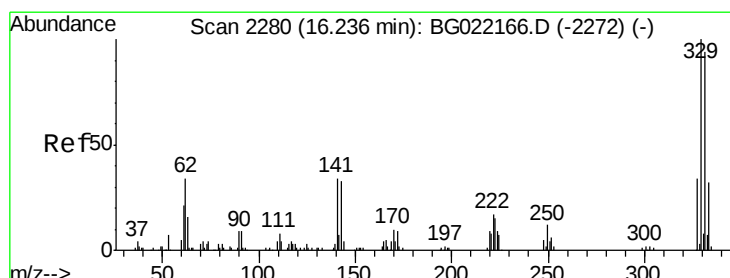
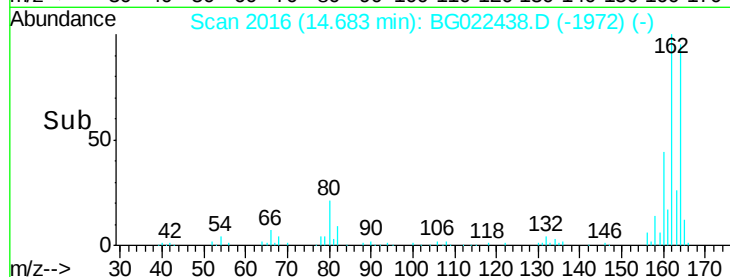
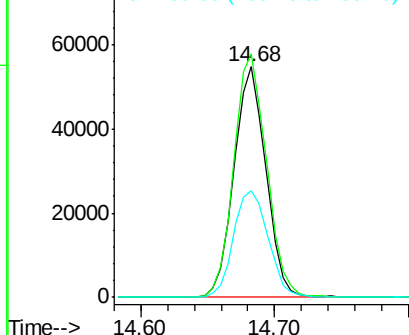
Tot Ion:	164	Resp:	90804
Ion Ratio	Lower	Upper	
164	100		
162	105.6	78.0	117.0
160	46.2	32.9	49.3

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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: 107.74 ng

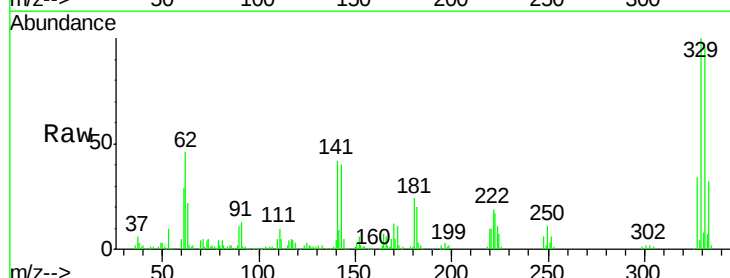
RT: 16.18 min Scan# 2270

Delta R.T. -0.04 min

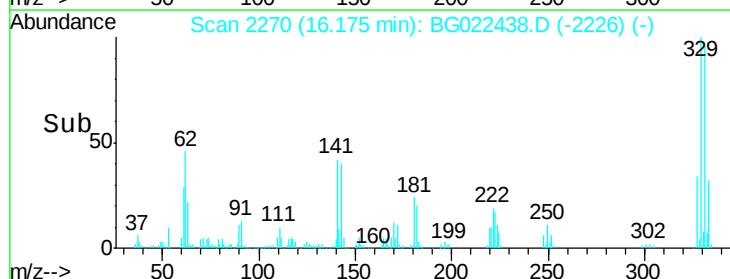
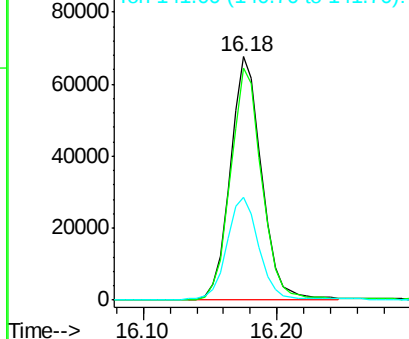
Lab File: BG022438.D

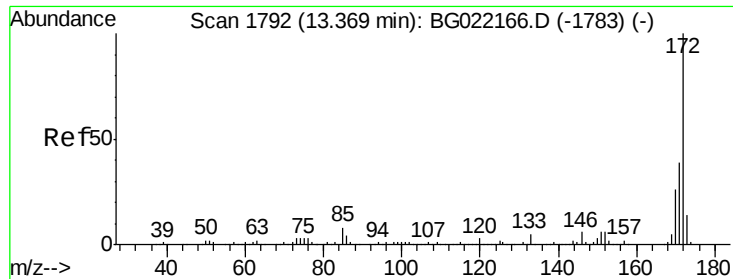
Acq: 19 Jun 2016 00:38

Tgt Ion:	330	Resp:	110542
Ion Ratio	Lower	Upper	
330	100		
332	96.0	78.0	117.0
141	44.4	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





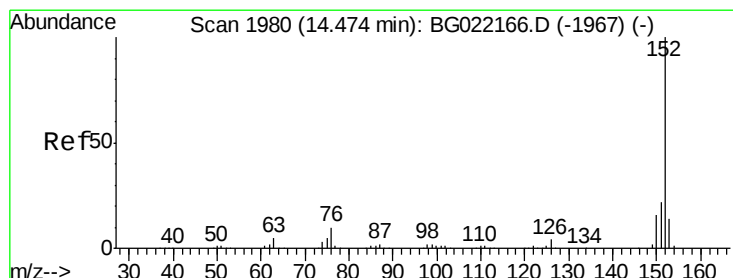
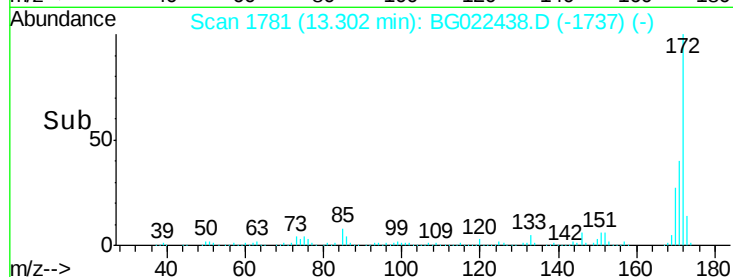
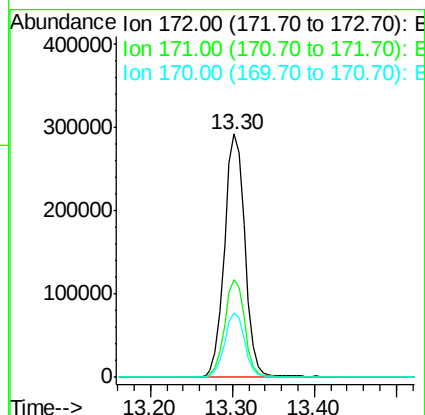
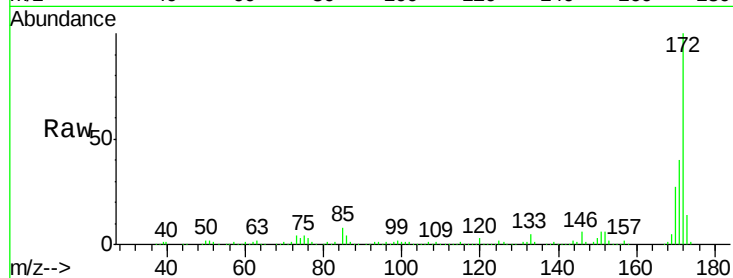
#44
 2-Fluorobiphenyl
 Concen: 85.73 ng
 RT: 13.30 min Scan# 1781
 Delta R.T. -0.04 min
 Lab File: BG022438.D
 Acq: 19 Jun 2016 00:38

Instrument :
 BNA_G
 ClientSampleId :
 STA-1172-(0-4)

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.9	27.8	41.6
170	26.5	19.6	29.4

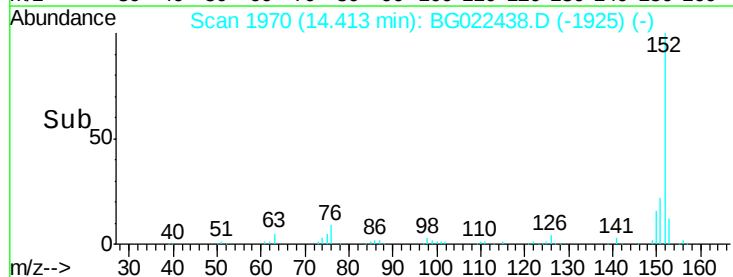
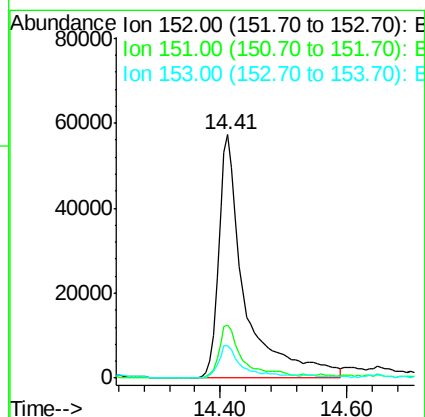
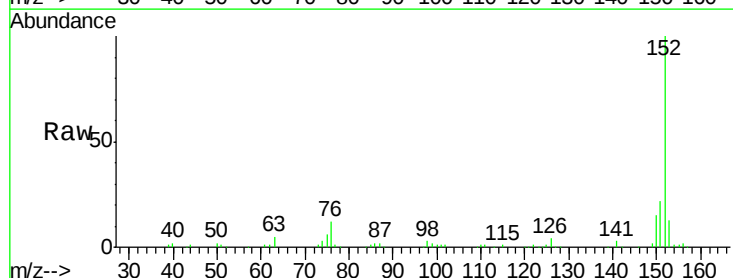
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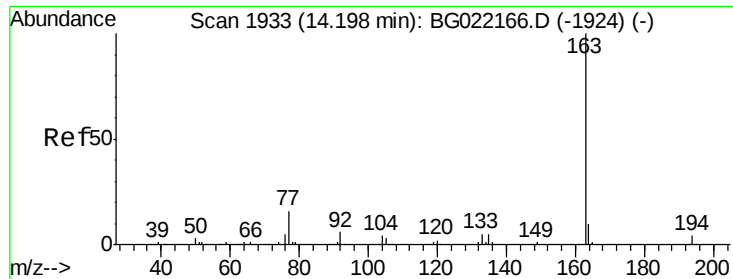
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#48
 Acenaphthylene
 Concen: 18.04 ng
 RT: 14.41 min Scan# 1970
 Delta R.T. -0.04 min
 Lab File: BG022438.D
 Acq: 19 Jun 2016 00:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.0	16.6	24.8
153	13.1	10.2	15.2





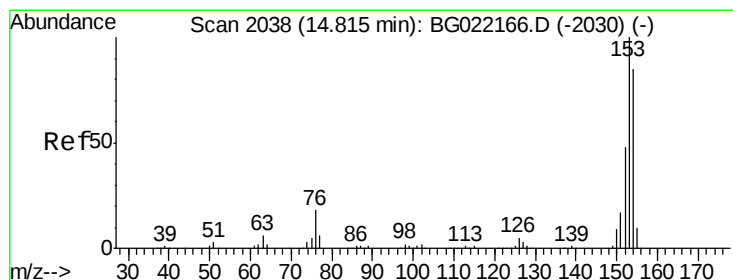
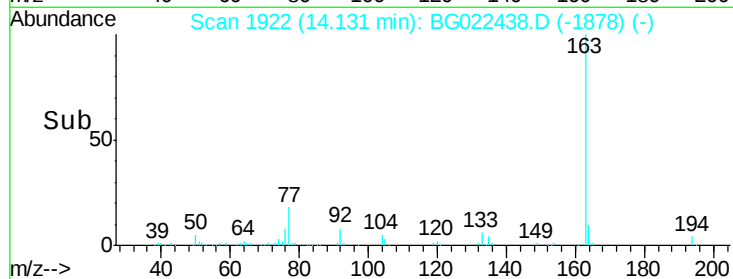
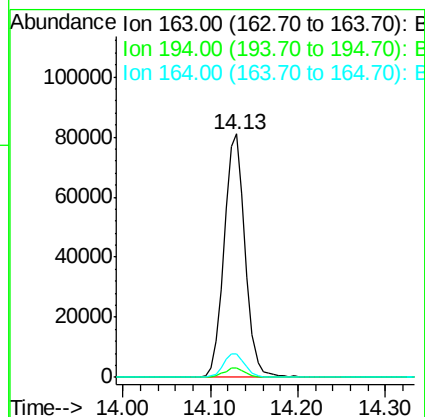
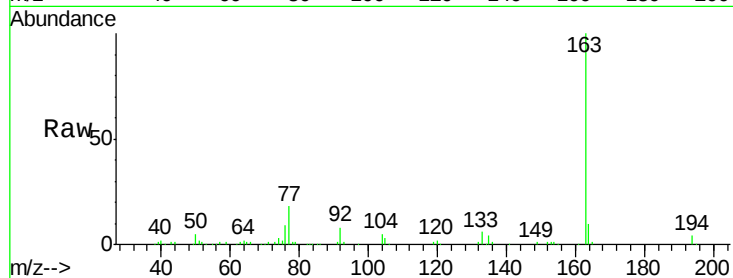
#49
Dimethylphthalate
Concen: 17.84 ng
RT: 14.13 min Scan# 1922
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampled :
STA-1172-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	134286		
194	3.6		3.0	4.6
164	9.8		8.1	12.1

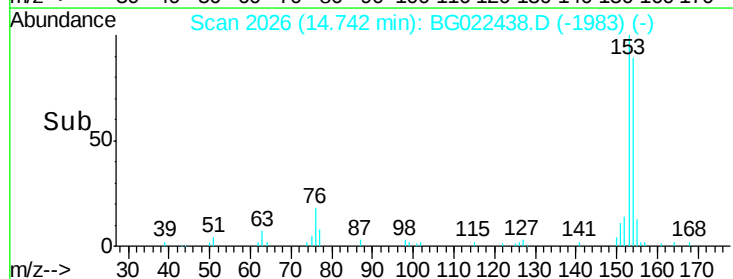
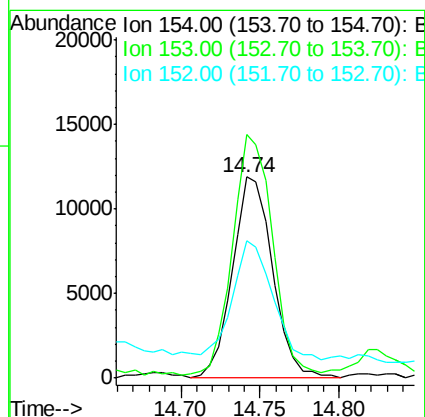
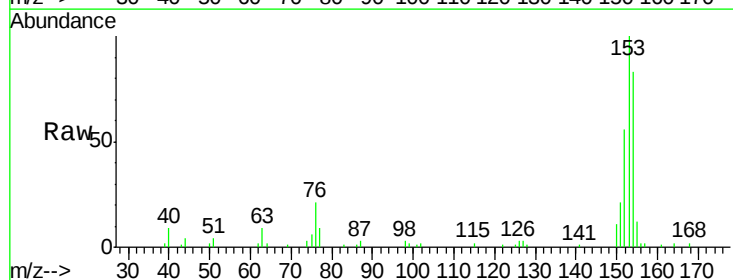
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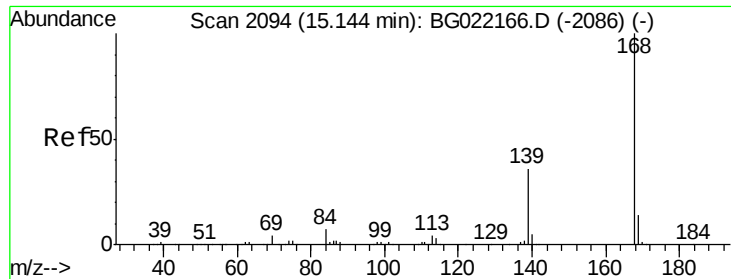
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#51
Acenaphthene
Concen: 3.79 ng
RT: 14.74 min Scan# 2026
Delta R.T. -0.05 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	20885		
153	121.1		91.9	137.9
152	68.1		42.0	63.0#





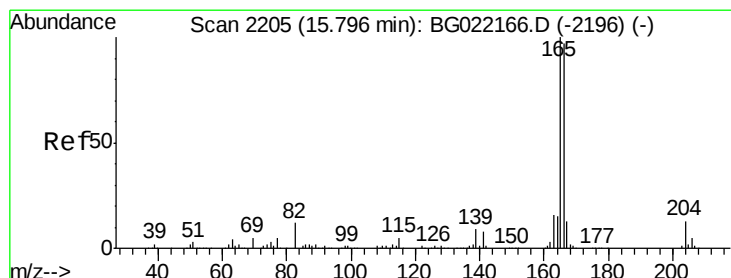
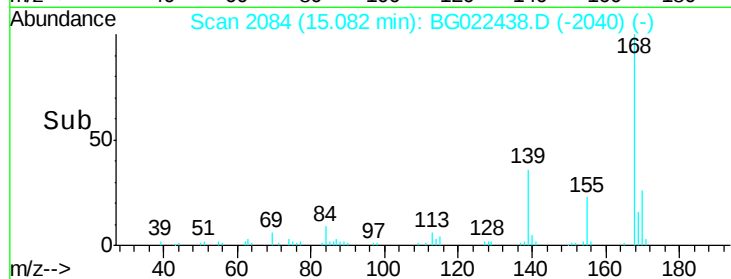
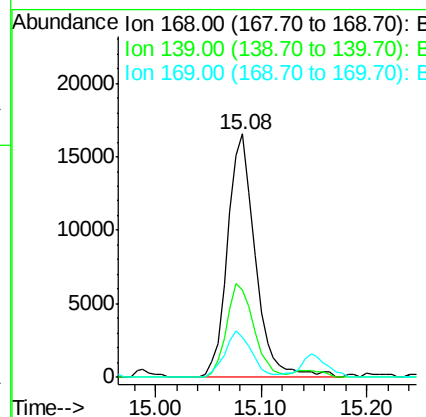
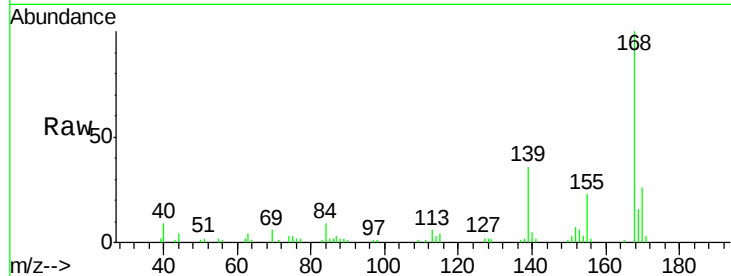
#54
Dibenzenofuran
Concen: 3.52 ng
RT: 15.08 min Scan# 2084
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
168	100	30278		
139	36.0		31.1	46.7
169	16.4		11.0	16.6

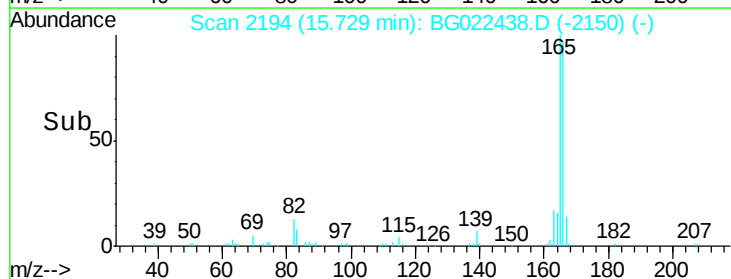
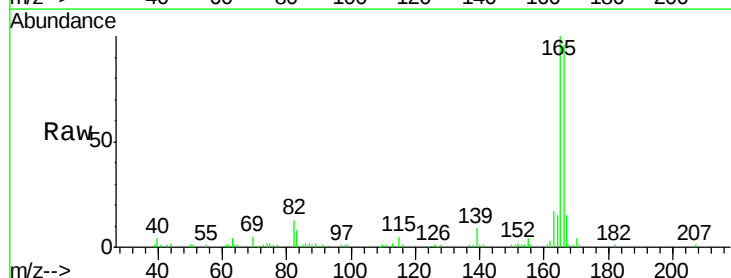
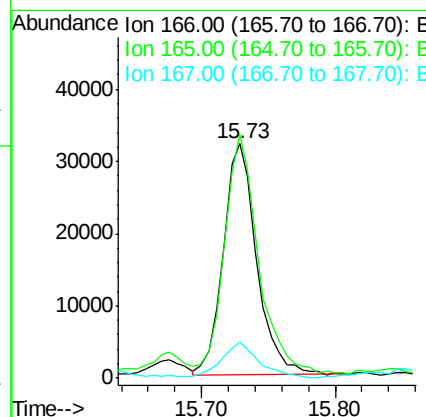
Manual Integrations
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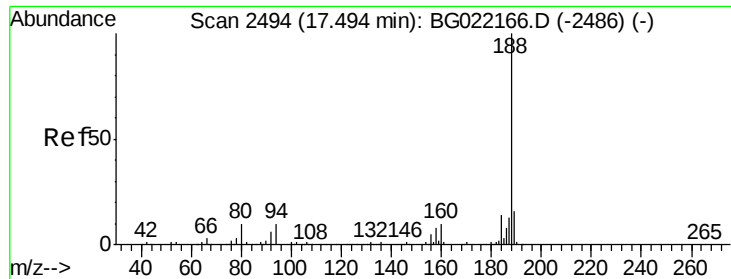
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#57
Fluorene
Concen: 7.58 ng
RT: 15.73 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	56131		
165	104.0		79.0	118.4
167	15.6		10.7	16.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.43 min Scan# 2483

Delta R.T. -0.04 min

Lab File: BG022438.D

Acq: 19 Jun 2016 00:38

Instrument :

BNA_G

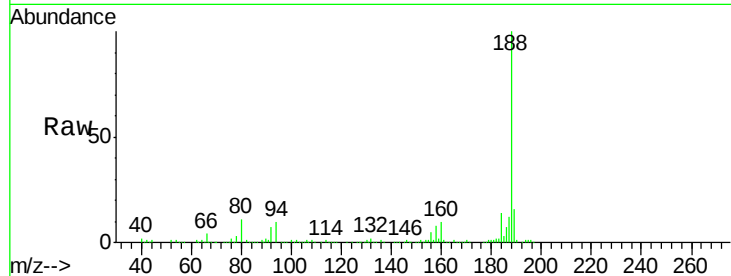
ClientSampleId :

STA-1172-(0-4)

Tot Ion:	188	Resp:	171909
Ion Ratio	Lower	Upper	
188	100		
94	10.4	7.5	11.3
80	11.5	8.6	13.0

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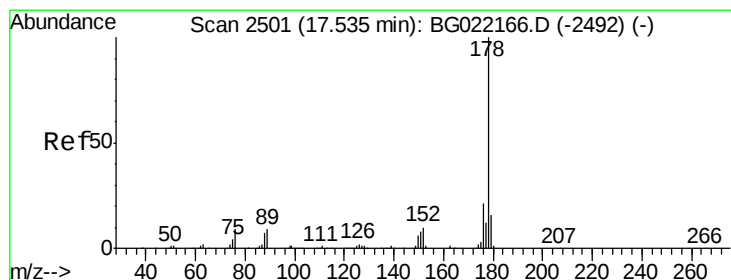
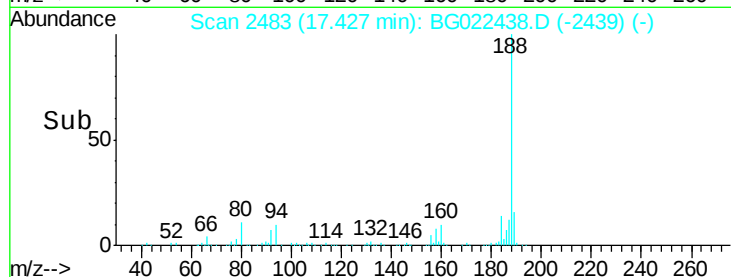
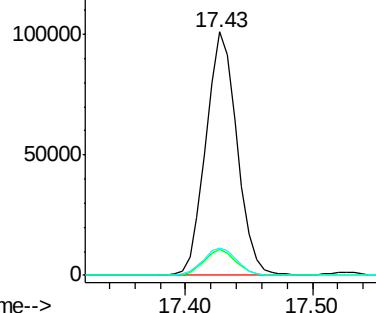
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#70

Phenanthrene

Concen: 95.64 ng

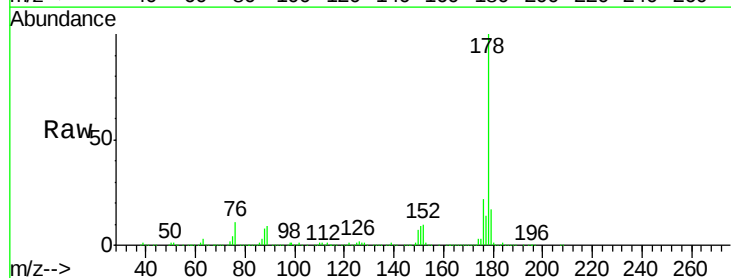
RT: 17.47 min Scan# 2491

Delta R.T. -0.04 min

Lab File: BG022438.D

Acq: 19 Jun 2016 00:38

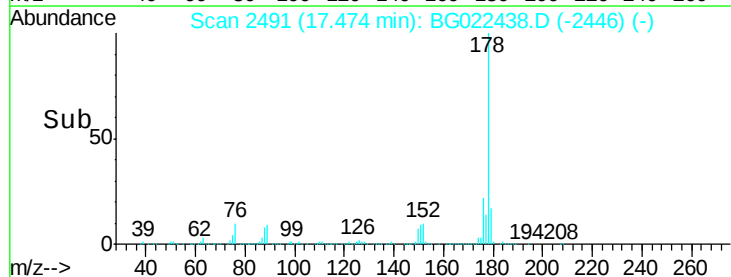
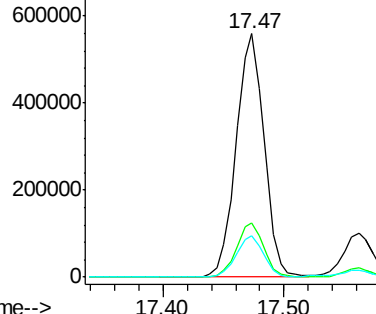
Tgt Ion:	178	Resp:	893022
Ion Ratio	Lower	Upper	
178	100		
176	22.4	16.2	24.4
179	17.1	12.0	18.0

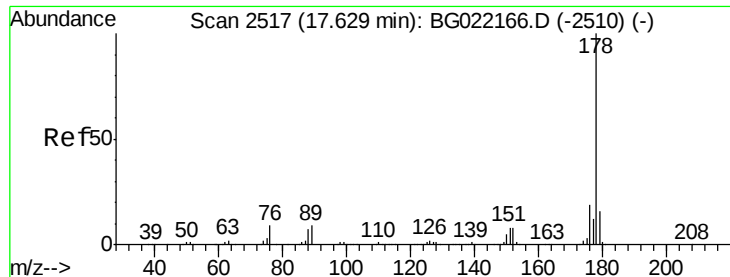


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





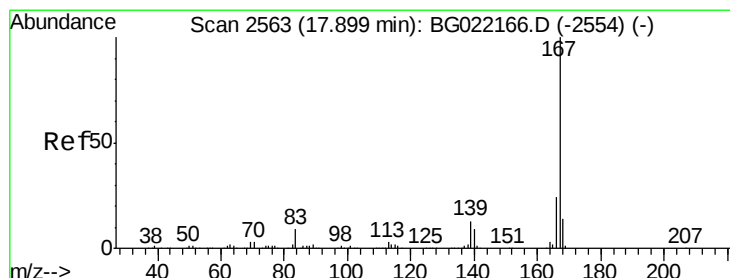
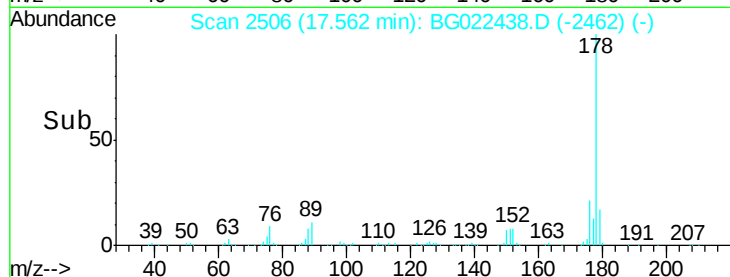
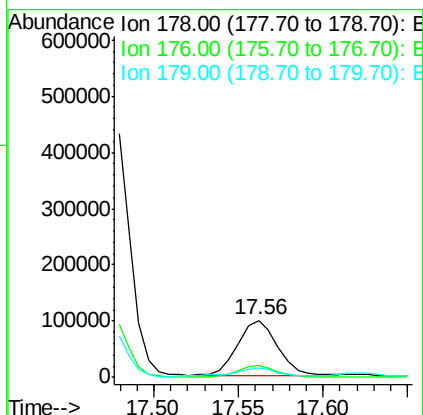
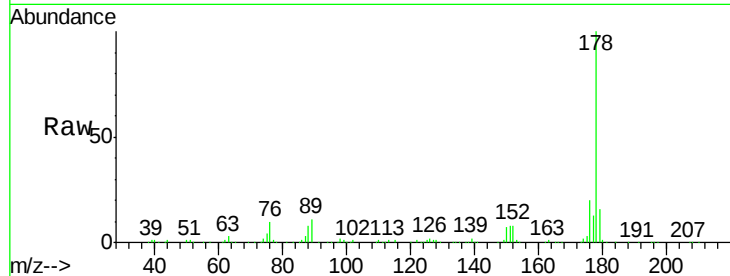
#71
 Anthracene
 Concen: 17.38 ng
 RT: 17.56 min Scan# 2506
 Delta R.T. -0.04 min
 Lab File: BG022438.D
 Acq: 19 Jun 2016 00:38

Instrument :
 BNA_G
 ClientSampleId :
 STA-1172-(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.0	22.4
179	16.5	12.2	18.4

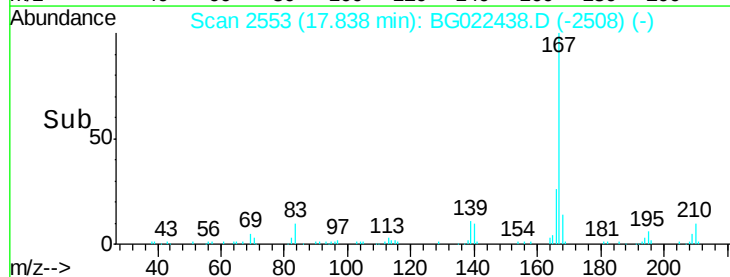
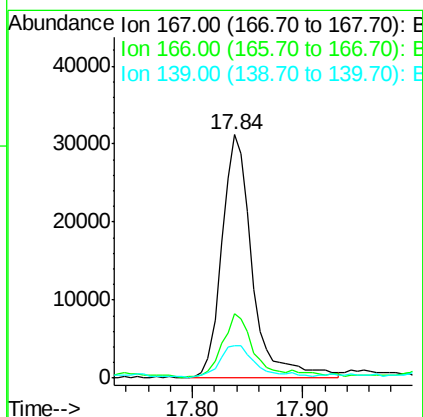
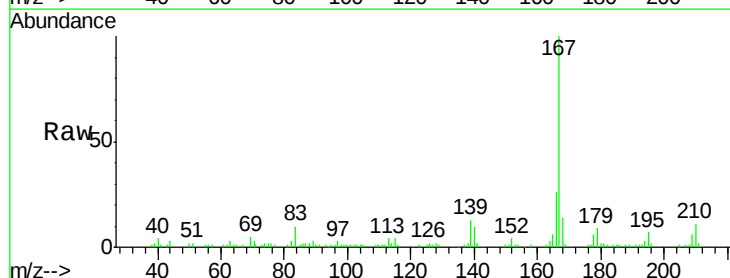
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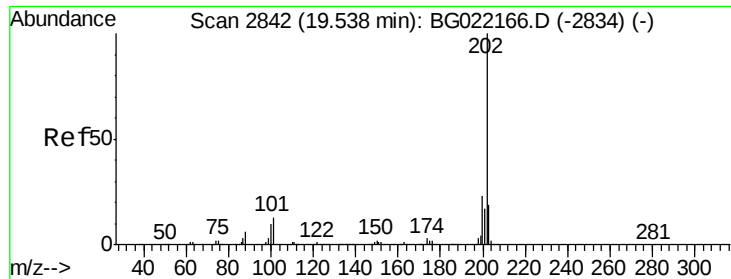
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#72
 Carbazole
 Concen: 6.88 ng
 RT: 17.84 min Scan# 2553
 Delta R.T. -0.04 min
 Lab File: BG022438.D
 Acq: 19 Jun 2016 00:38

Tgt Ion	Ratio	Lower	Upper
167	100		
166	26.2	18.6	27.8
139	13.2	10.6	15.8





#74

Fluoranthene

Concen: 149.79 ng

RT: 19.48 min Scan# 2833

Delta R.T. -0.03 min

Lab File: BG022438.D

Acq: 19 Jun 2016 00:38

Instrument :

BNA_G

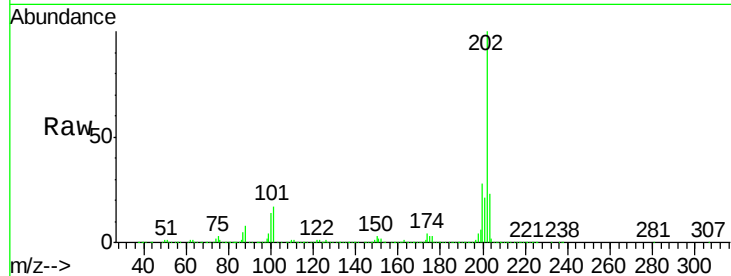
ClientSampled :

STA-1172-(0-4)

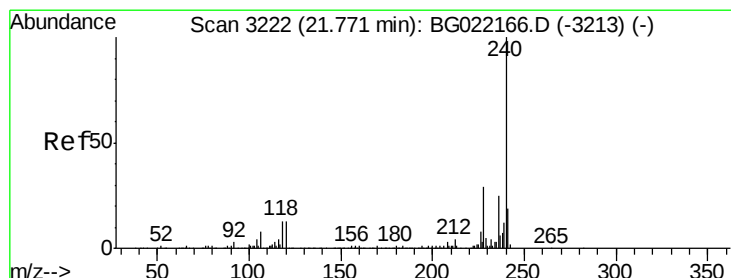
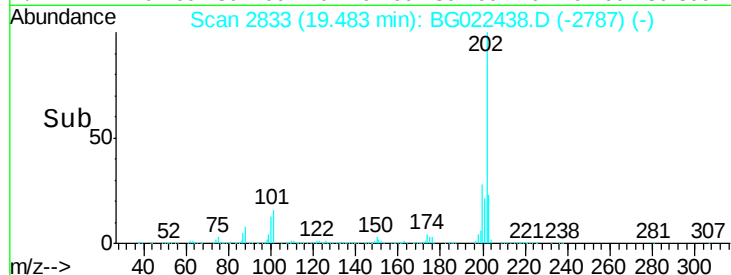
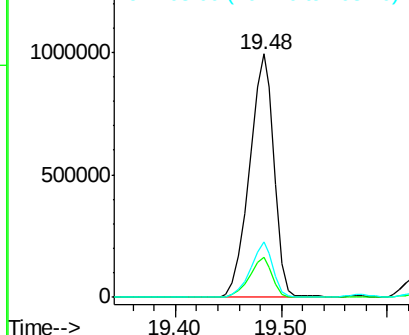
Tot Ion:	202	Resp:	1607840
Ion Ratio	Lower	Upper	
202	100		
101	16.6	0.0	31.0
203	22.7	0.0	37.9

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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



#75

Chrysene-d12

Concen: 20.00 ng

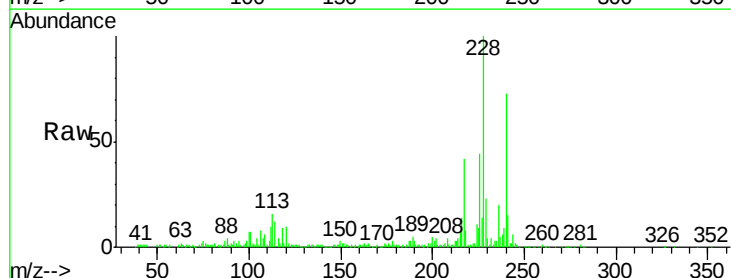
RT: 21.70 min Scan# 3210

Delta R.T. -0.04 min

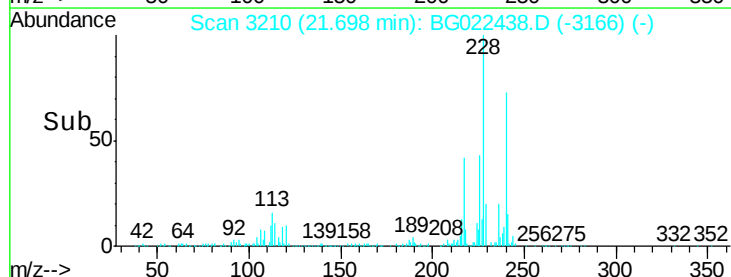
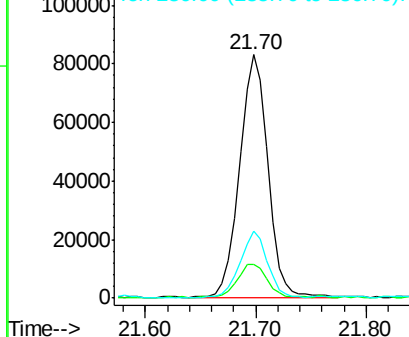
Lab File: BG022438.D

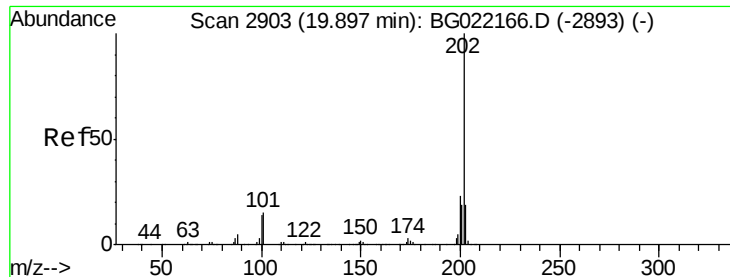
Acq: 19 Jun 2016 00:38

Tgt Ion:	240	Resp:	148387
Ion Ratio	Lower	Upper	
240	100		
120	14.1	8.4	12.6#
236	27.3	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





#77

Pvrene

Concen: 132.15 ng

RT: 19.84 min Scan# 2894

Delta R.T. -0.04 min

Lab File: BG022438.D

Acq: 19 Jun 2016 00:38

Instrument :

BNA_G

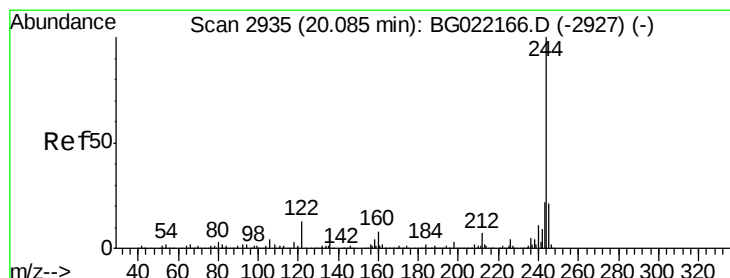
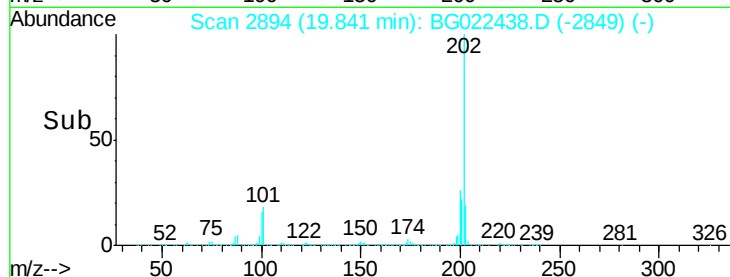
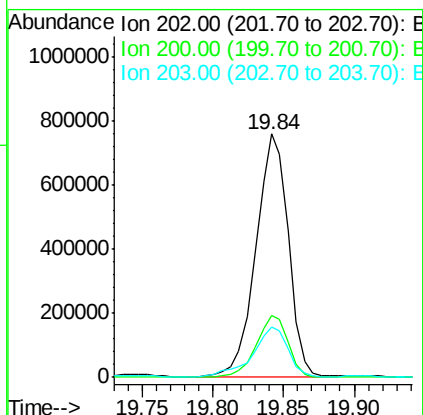
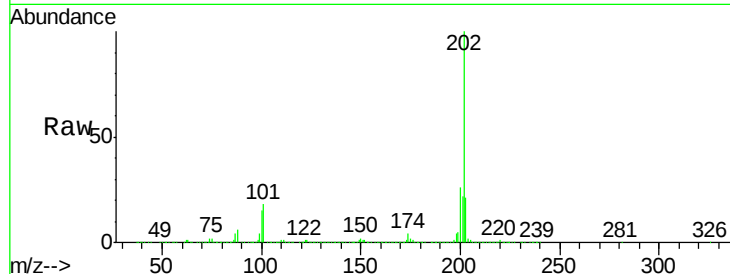
ClientSampled :

STA-1172-(0-4)

Tot Ion:	202	Resp:	1219084
Ion Ratio	Lower	Upper	
202	100		
200	25.6	18.2	27.2
203	20.6	15.0	22.4

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#78

Terphenyl-d14

Concen: 72.26 ng

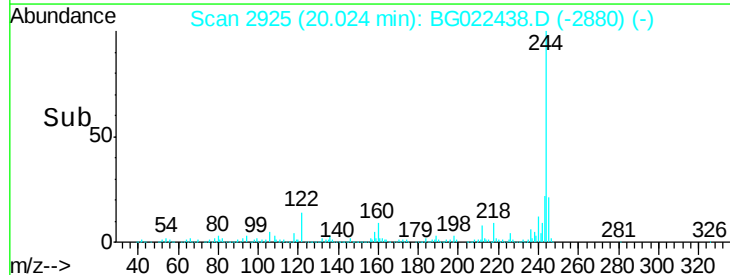
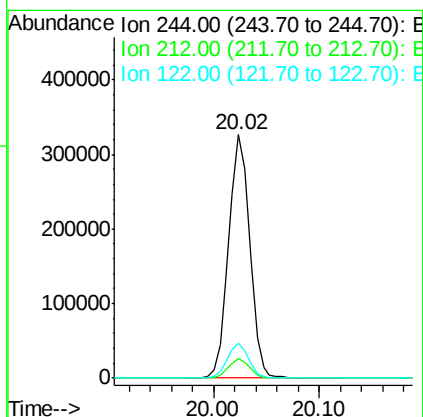
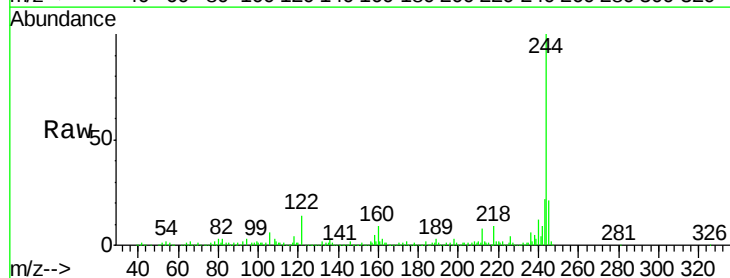
RT: 20.02 min Scan# 2925

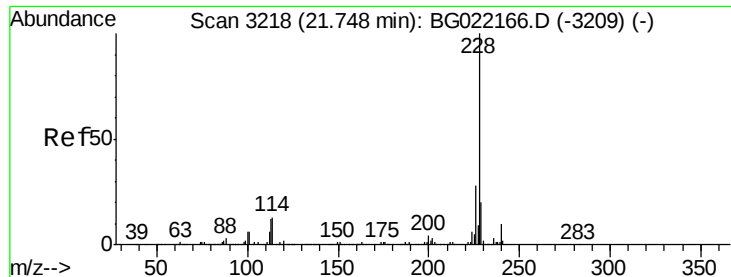
Delta R.T. -0.04 min

Lab File: BG022438.D

Acq: 19 Jun 2016 00:38

Tgt Ion:	244	Resp:	451643
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.5	9.7
122	14.5	8.6	12.8#





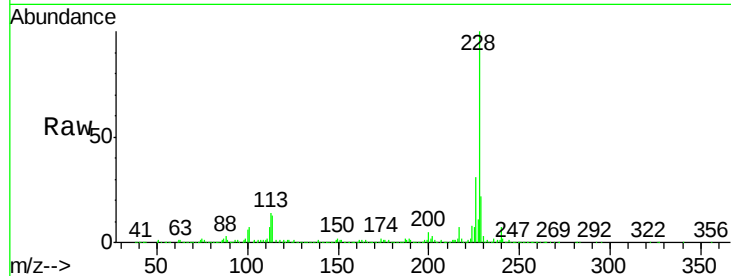
#80
Benzo(a)anthracene
Concen: 88.11 ng
RT: 21.68 min Scan# 3207
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

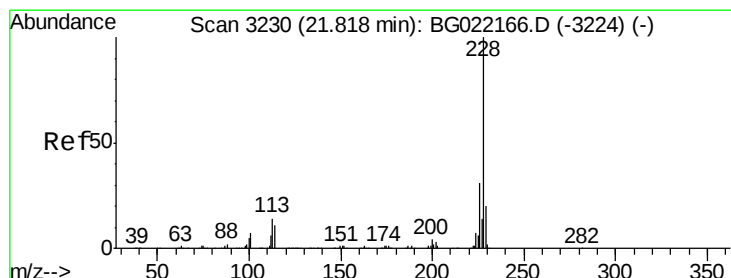
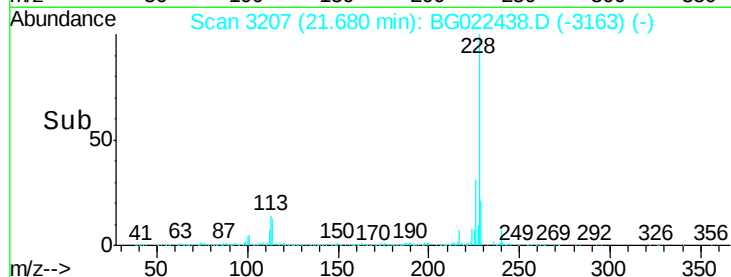
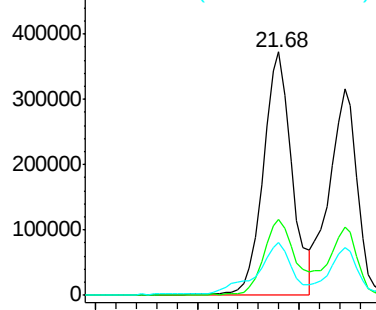
Tot Ion	Ratio	Resp	Lower	Upper
228	100	733156		
226	31.1		22.6	34.0
229	21.9		16.1	24.1

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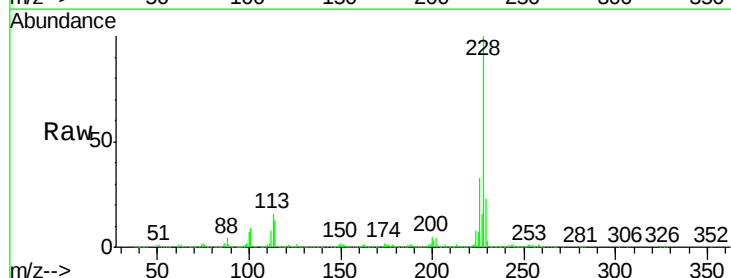


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

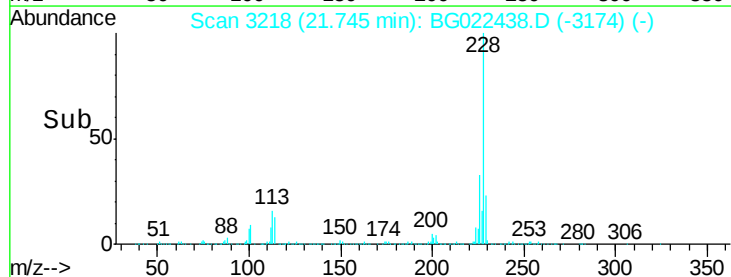
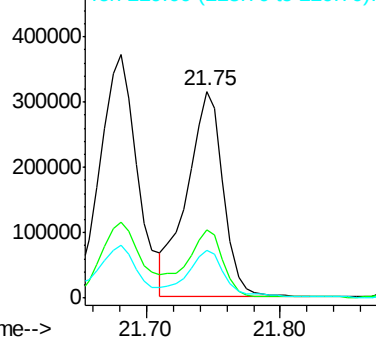


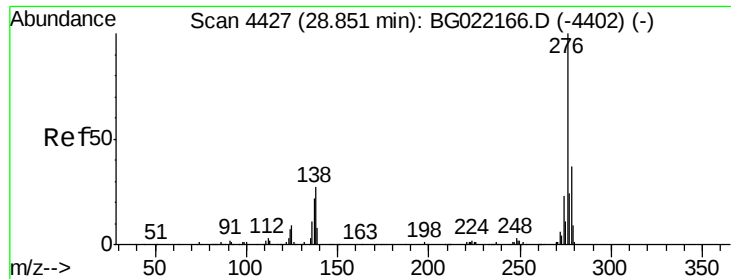
#82
Chrysene
Concen: 73.99 ng
RT: 21.75 min Scan# 3218
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	599093		
226	33.1		25.4	38.0
229	23.3		15.9	23.9



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





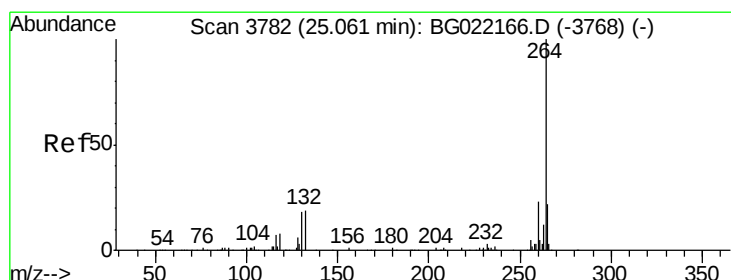
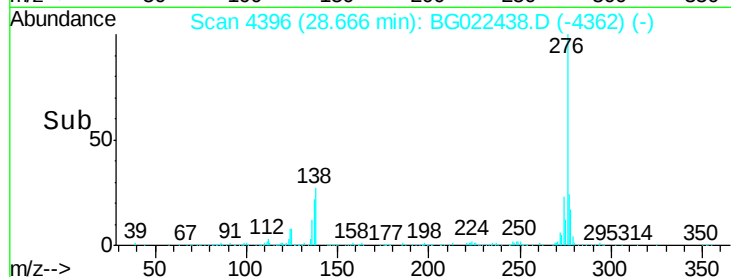
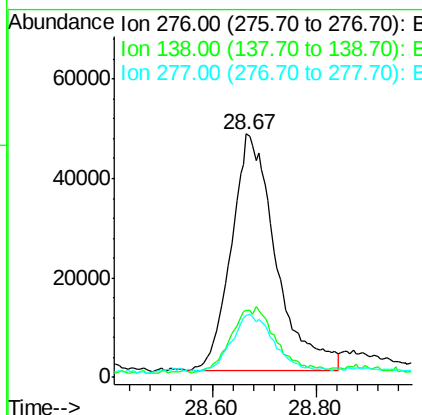
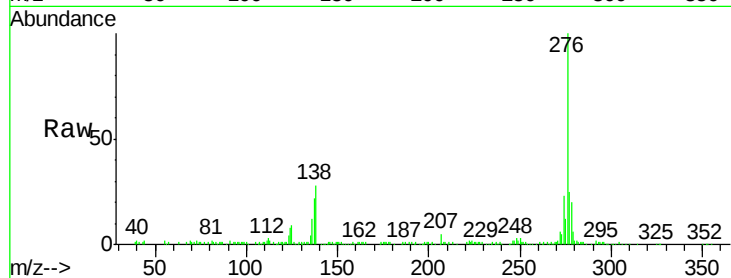
#85
Indeno(1,2,3-cd)pyrene
Concen: 31.26 ng
RT: 28.67 min Scan# 4396
Delta R.T. -0.10 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.8	14.0	21.0
277	22.0	20.6	30.8

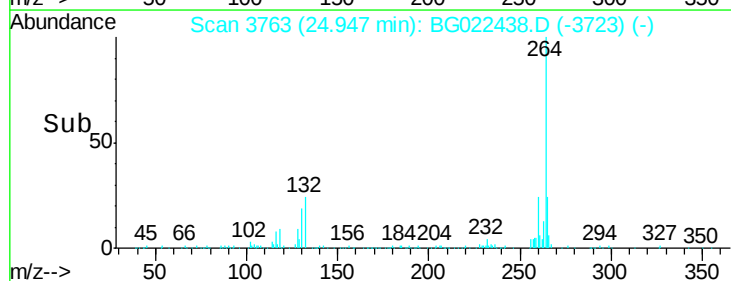
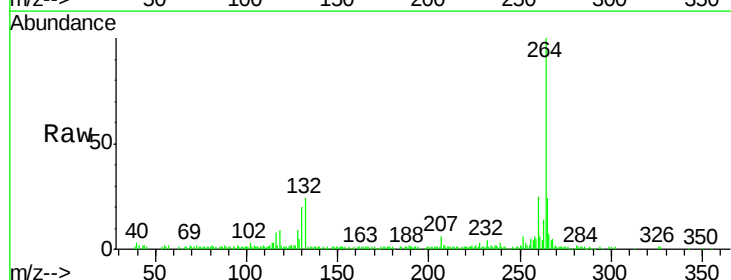
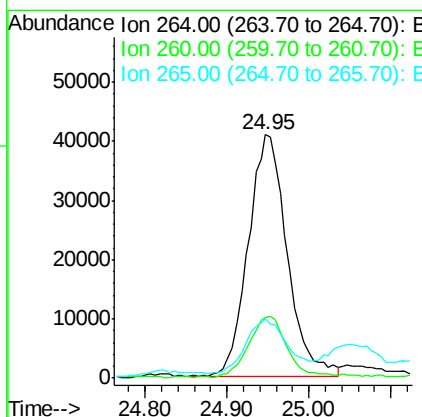
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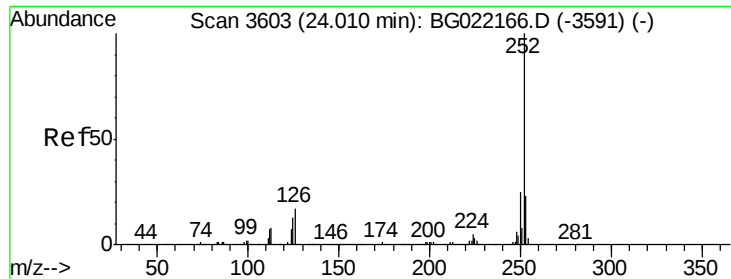
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#86
Perylene-d12
Concen: 20.00 ng
RT: 24.95 min Scan# 3763
Delta R.T. -0.06 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.2	30.4
265	24.4	17.8	26.8





#87

Benzo(b)fluoranthene

Concen: 105.84 ng

RT: 23.92 min Scan# 3589

Delta R.T. -0.04 min

Lab File: BG022438.D

Acq: 19 Jun 2016 00:38

Instrument :

BNA_G

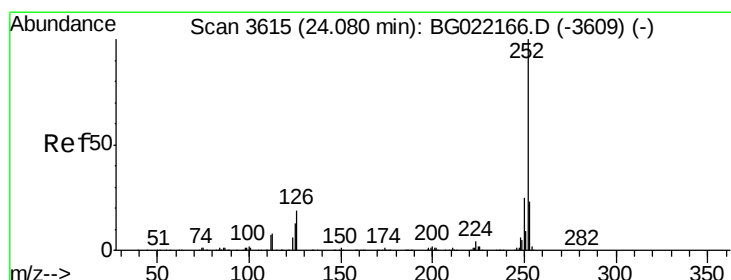
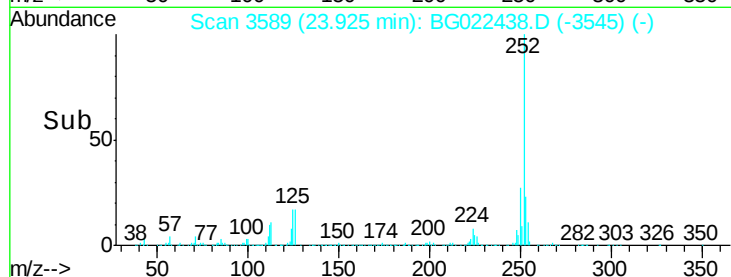
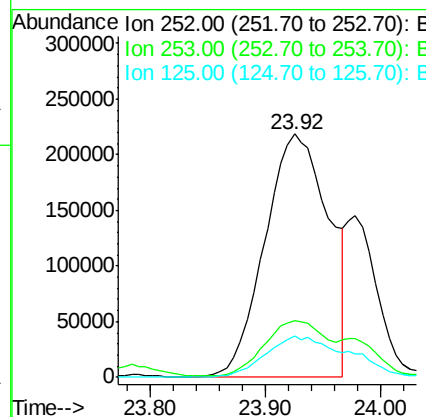
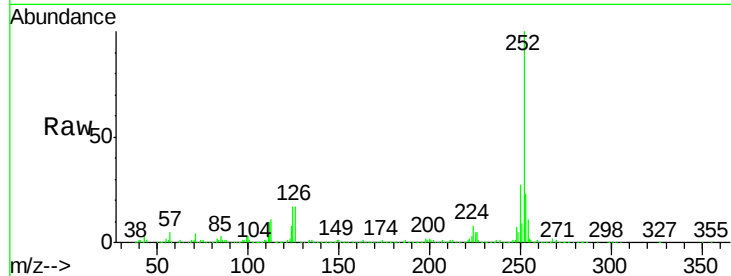
ClientSampleId :

STA-1172-(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	16.8	8.6	13.0#

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#88

Benzo(k)fluoranthene

Concen: 35.15 ng m

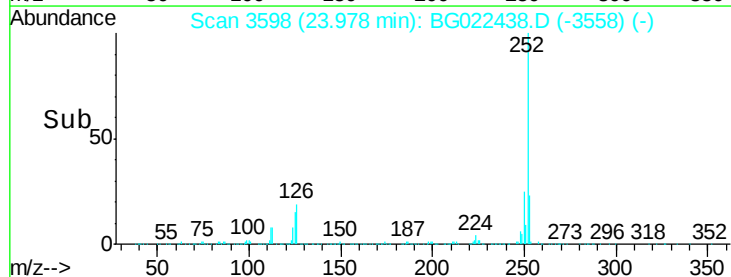
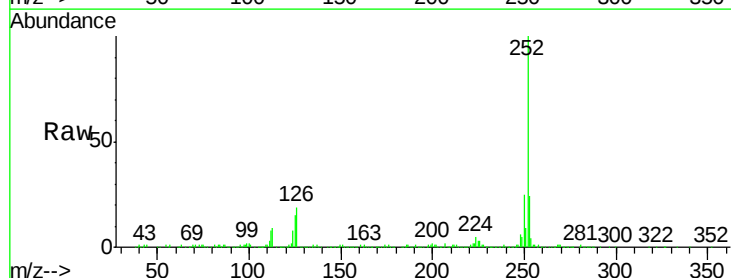
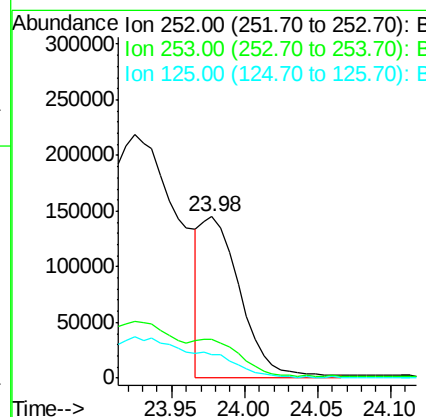
RT: 23.98 min Scan# 3598

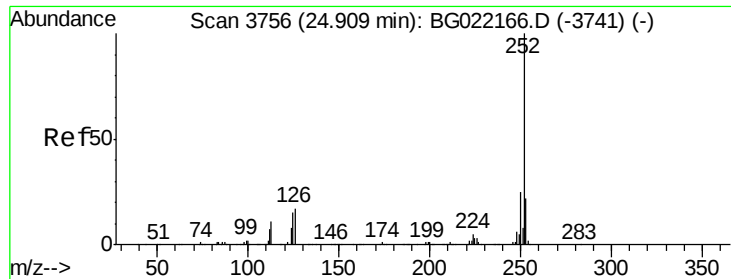
Delta R.T. -0.06 min

Lab File: BG022438.D

Acq: 19 Jun 2016 00:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	14.9	8.3	12.5#





#89

Benzo(a)pyrene

Concen: 68.74 ng

RT: 24.80 min Scan# 3738

Delta R.T. -0.06 min

Lab File: BG022438.D

Acq: 19 Jun 2016 00:38

Instrument :

BNA_G

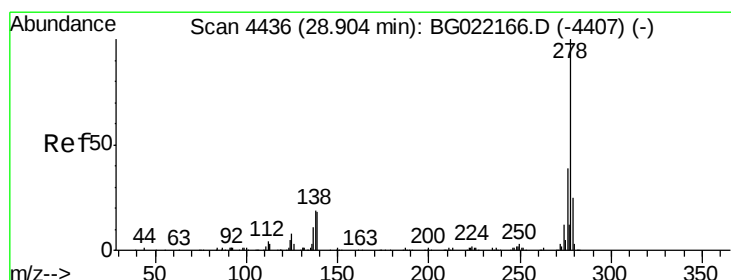
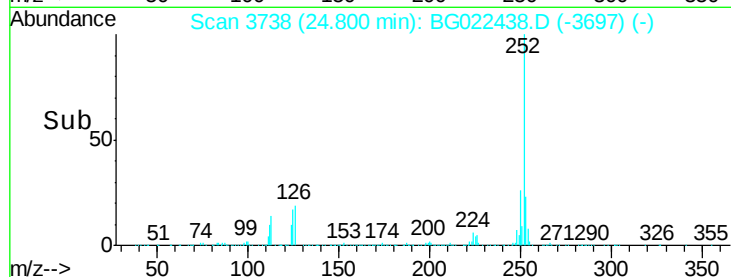
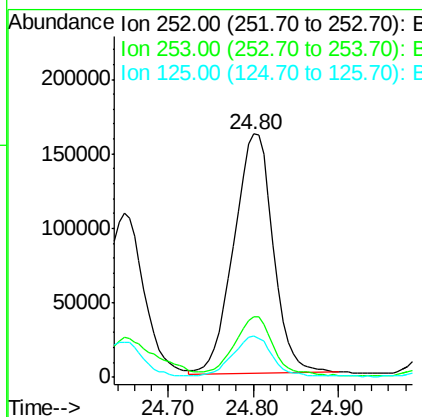
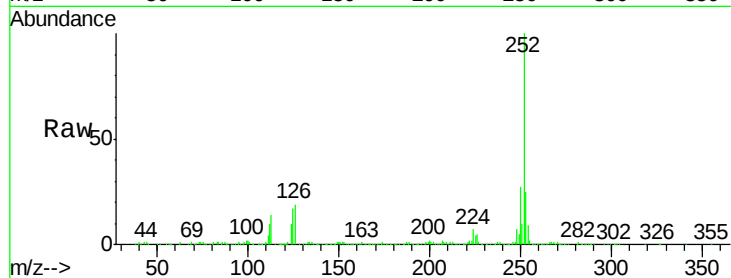
ClientSampleId :

STA-1172-(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	17.2	9.6	14.4#

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#90

Dibenzo(a,h)anthracene

Concen: 8.47 ng

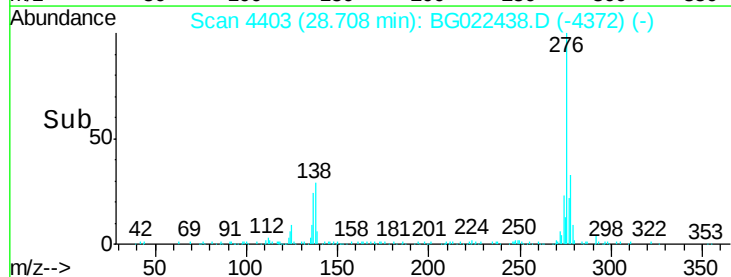
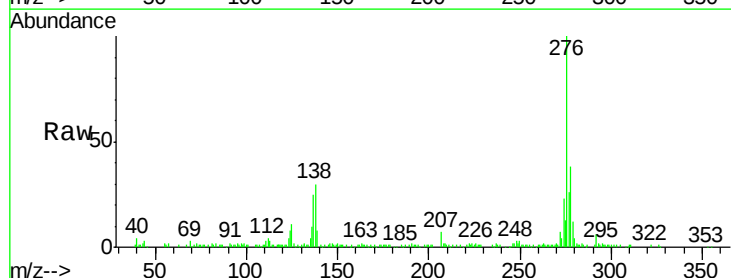
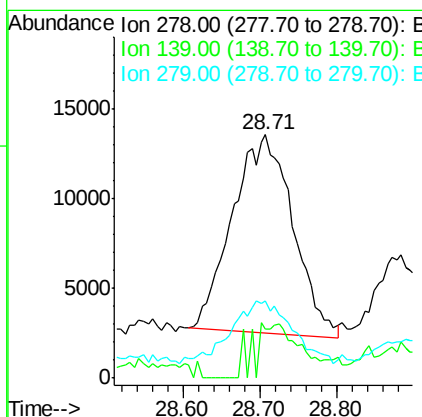
RT: 28.71 min Scan# 4403

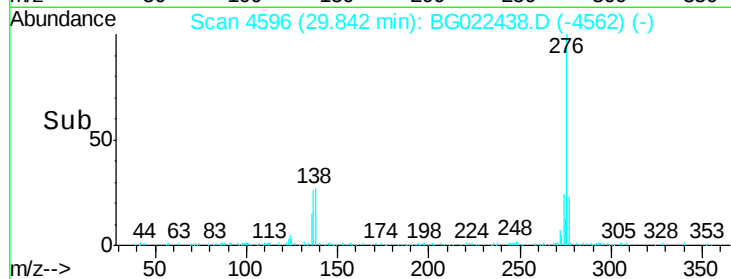
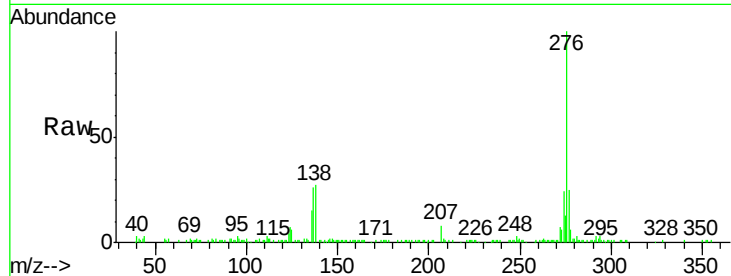
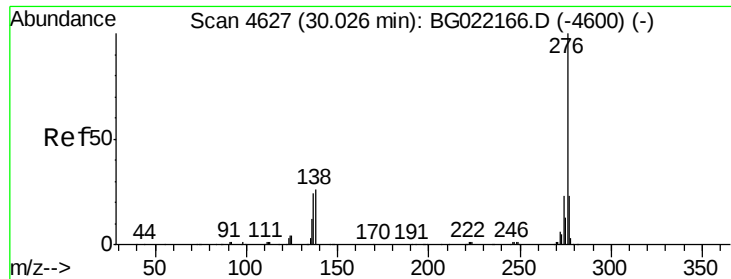
Delta R.T. -0.12 min

Lab File: BG022438.D

Acq: 19 Jun 2016 00:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.0	11.9	17.9#
279	31.6	18.2	27.2#





#91

Benzo(a,h,i)perylene

Concen: 29.23 ng

RT: 29.84 min Scan# 4596

Delta R.T. -0.10 min

Lab File: BG022438.D

Acq: 19 Jun 2016 00:38

Instrument :

BNA_G

ClientSampleId :

STA-1172-(0-4)

Tot Ion:	276	Resp:	216629
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.4	29.2
138	27.4	17.4	26.0

Manual Integrations
APPROVED

sohil
6/20/2016 6:55:17 PM

