

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
 Data File : BG022436.D
 Acq On : 18 Jun 2016 23:18
 Operator : UM/SJ
 Sample : H3471-22
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STA-1141-(0-4)

Manual Integrations
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Quant Time: Jun 20 03:57:13 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	36951	20.00	ng	-0.05
21) Naphthalene-d8	10.86	136	189465	20.00	ng	-0.04
38) Acenaphthene-d10	14.68	164	103461	20.00	ng	-0.04
63) Phenanthrene-d10	17.43	188	192153	20.00	ng	-0.04
75) Chrysene-d12	21.69	240	155173	20.00	ng	-0.05
86) Perylene-d12	24.93	264	150609	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	276963	144.92	ng	-0.03
7) Phenol-d6	7.23	99	425452	141.59	ng	-0.02
23) Nitrobenzene-d5	9.22	82	260731	95.94	ng	-0.04
41) 2,4,6-Tribromophenol	16.18	330	106142	90.79	ng	-0.04
44) 2-Fluorobiphenyl	13.30	172	584043	86.03	ng	-0.04
78) Terphenyl-d14	20.02	244	497279	76.08	ng	-0.04
Target Compounds						Qvalue
31) Naphthalene	10.91	128	19453	2.06	ng	96
49) Dimethylphthalate	14.13	163	137687	16.05	ng	98
70) Phenanthrene	17.47	178	39035	3.74	ng	97
74) Fluoranthene	19.47	202	143791	11.98	ng	97
77) Pyrene	19.84	202	130637	13.54	ng	97
80) Benzo(a)anthracene	21.67	228	70648	8.12	ng	97
82) Chrysene	21.73	228	86619	10.23	ng	97
85) Indeno(1,2,3-cd)pyrene	28.65	276	38526	4.06	ng	# 76
87) Benzo(b)fluoranthene	23.90	252	115462	13.14	ng	# 95
88) Benzo(k)fluoranthene	23.96	252	40840m	4.72	ng	
89) Benzo(a)pyrene	24.78	252	55345	6.59	ng	# 90
91) Benzo(a,h,i)perylene	29.82	276	37396m	4.54	ng	

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

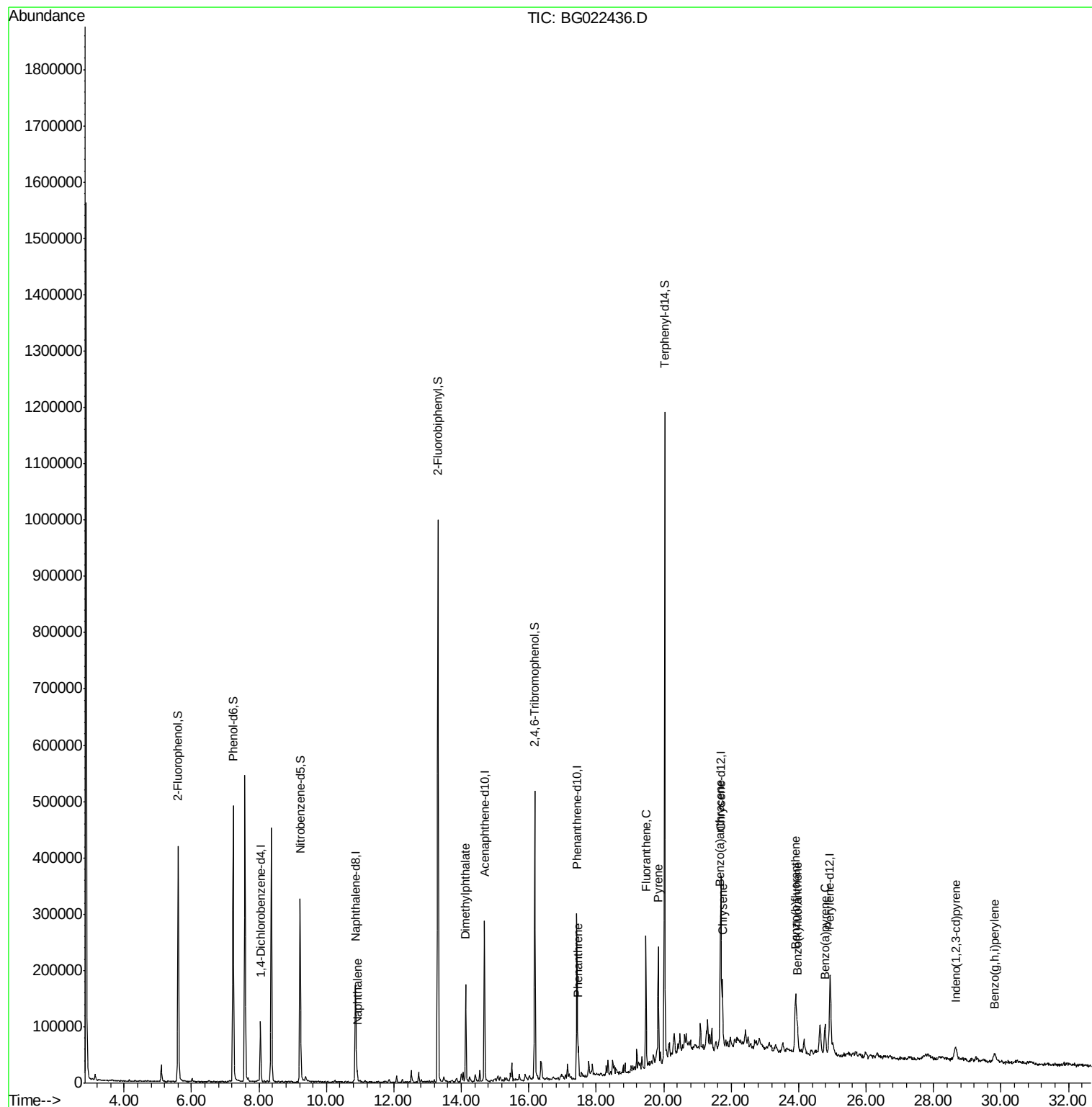
Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
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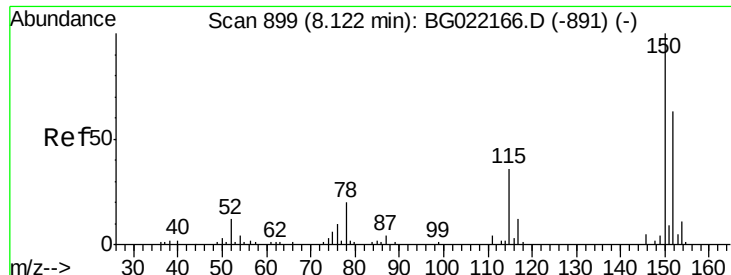
Instrument :
BNA_G
ClientSampleId :
STA-1141-(0-4)

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Quant Time: Jun 20 03:57:13 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

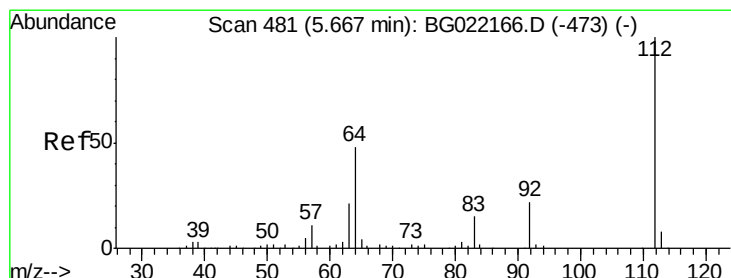
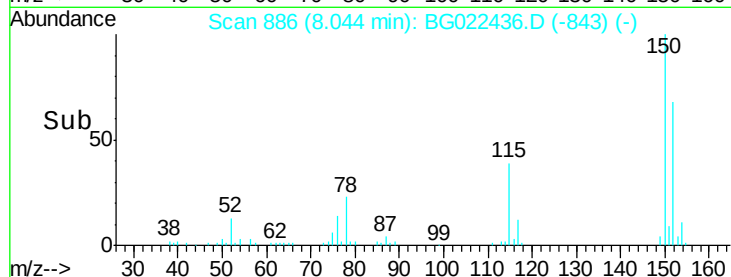
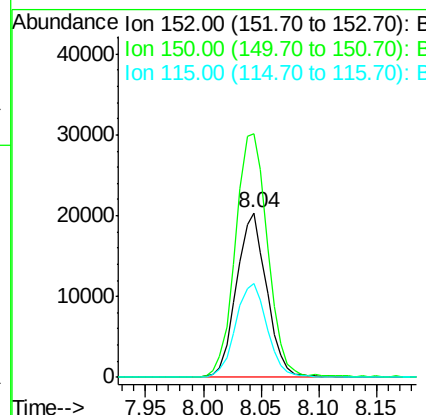
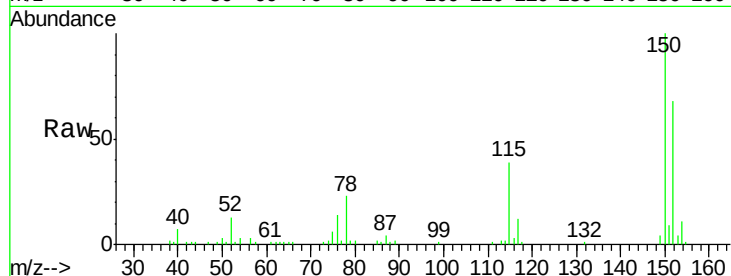
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 886
Delta R.T. -0.05 min
Lab File: BG022436.D
Acq: 18 Jun 2016 23:18

Instrument :
BNA_G
ClientSampleId :
STA-1141-(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.8	130.1	195.1
115	57.1	62.2	93.2#

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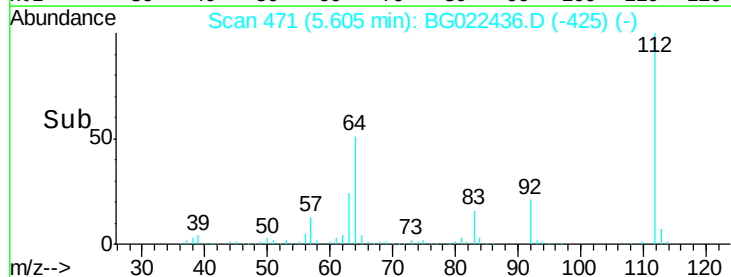
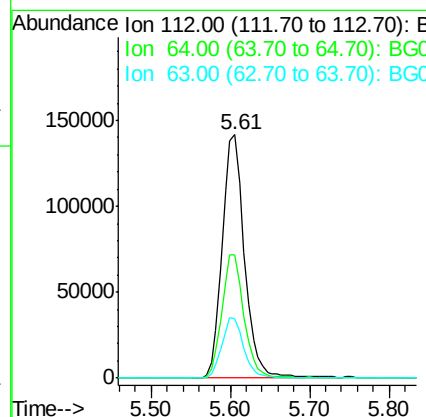
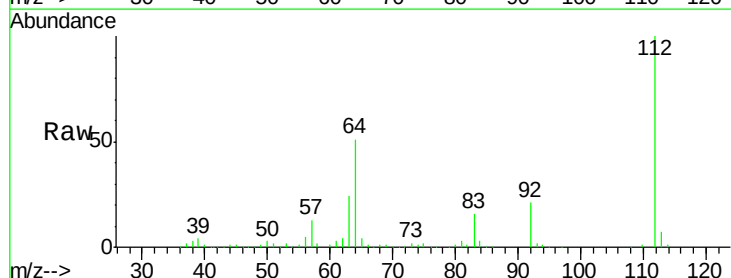
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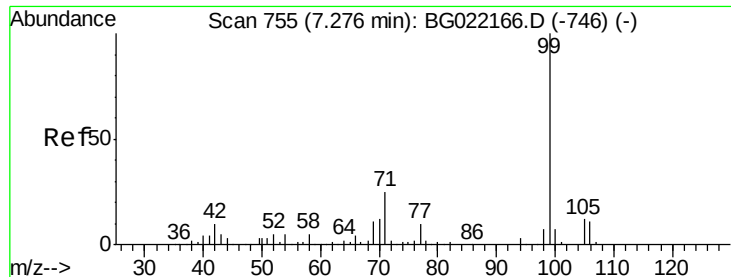


#5

2-Fluorophenol
Concen: 144.92 ng
RT: 5.61 min Scan# 471
Delta R.T. -0.03 min
Lab File: BG022436.D
Acq: 18 Jun 2016 23:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.9	51.1	76.7#
63	24.5	24.6	37.0#





#7

Phenol-d6

Concen: 141.59 ng

RT: 7.23 min Scan# 748

Delta R.T. -0.02 min

Lab File: BG022436.D

Acq: 18 Jun 2016 23:18

Instrument :

BNA_G

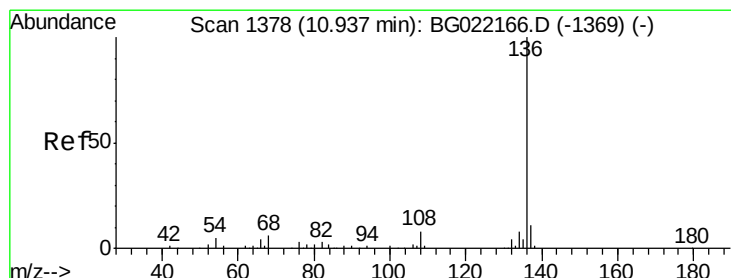
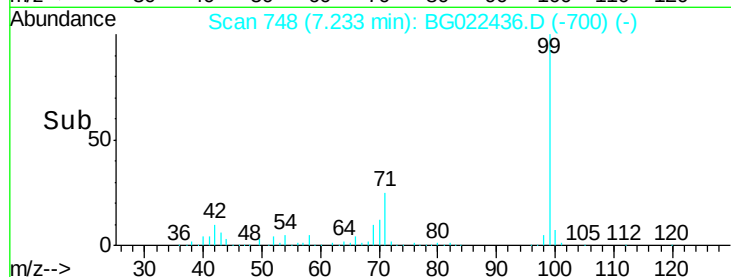
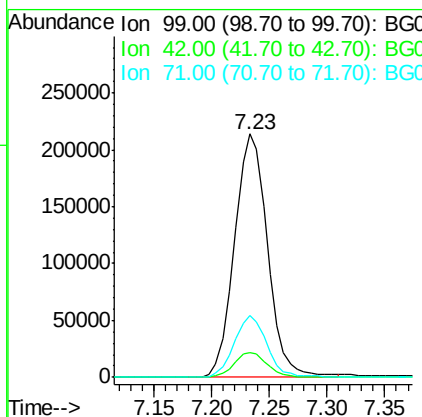
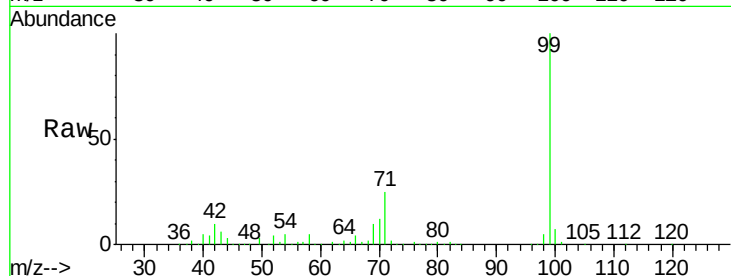
ClientSampleId :

STA-1141-(0-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		425452		
42	10.0	16.4	24.6#		
71	25.3	25.0	37.4		

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#21

Naphthalene-d8

Concen: 20.00 ng

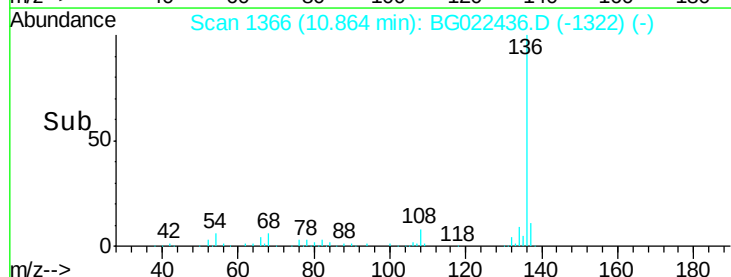
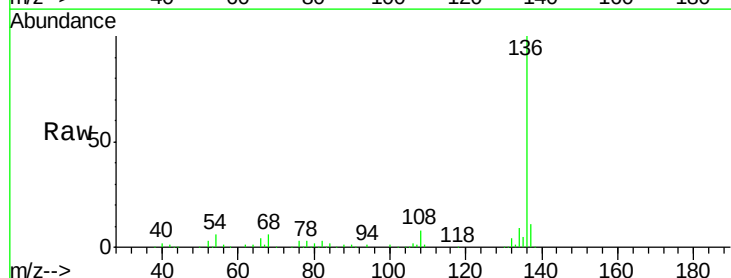
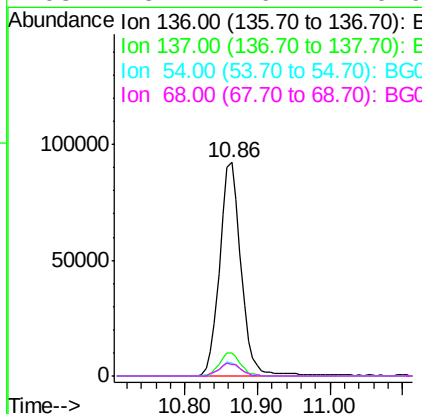
RT: 10.86 min Scan# 1366

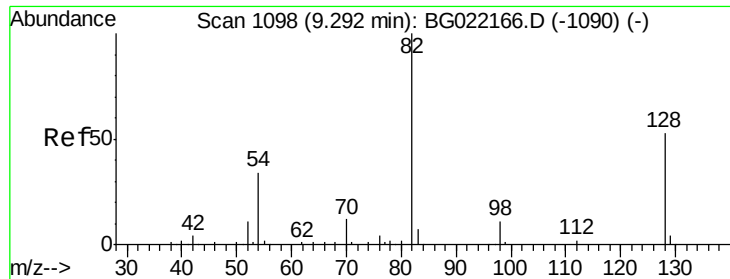
Delta R.T. -0.04 min

Lab File: BG022436.D

Acq: 18 Jun 2016 23:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		189465		
137	10.9	9.0	13.4		
54	6.3	9.6	14.4#		
68	5.7	6.4	9.6#		





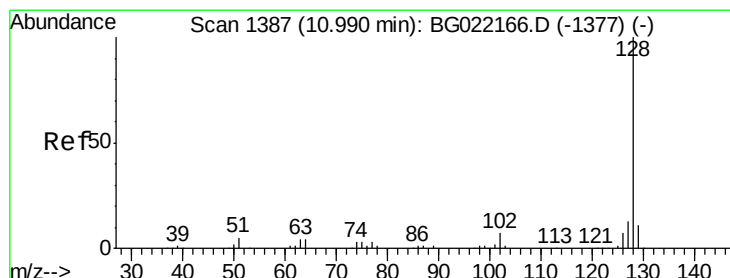
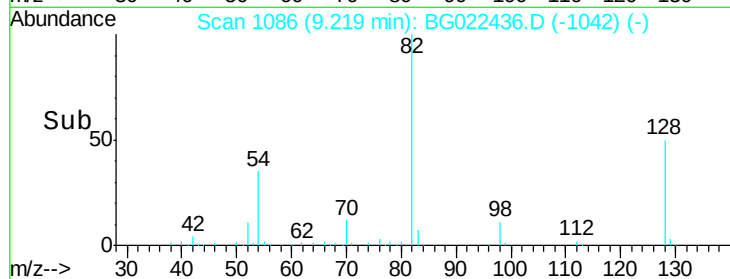
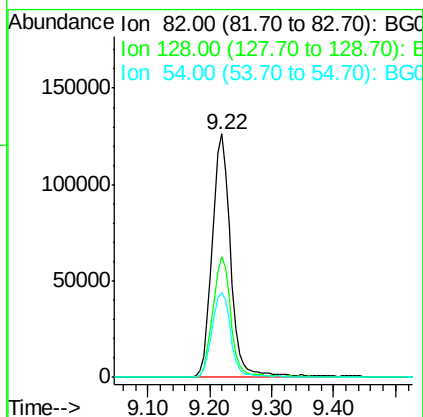
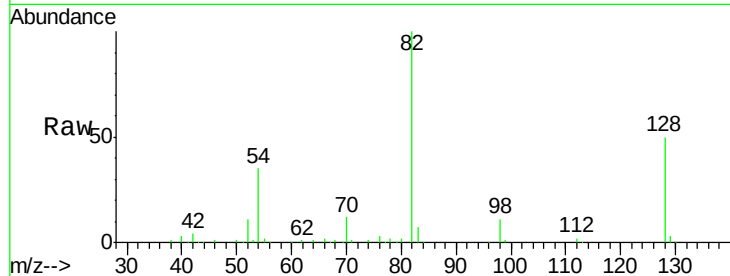
#23
 Nitrobenzene-d5
 Concen: 95.94 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.04 min
 Lab File: BG022436.D
 Acq: 18 Jun 2016 23:18

Instrument :
 BNA_G
 ClientSampleId :
 STA-1141-(0-4)

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.8	33.4	50.0
54	34.6	46.1	69.1

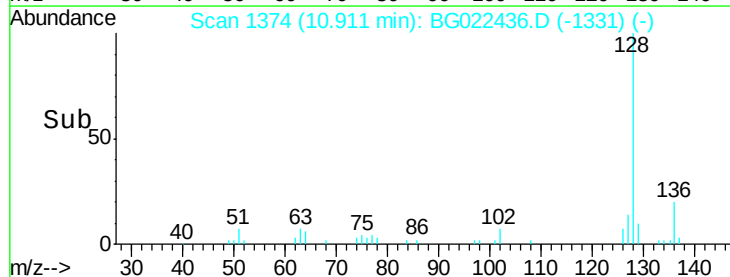
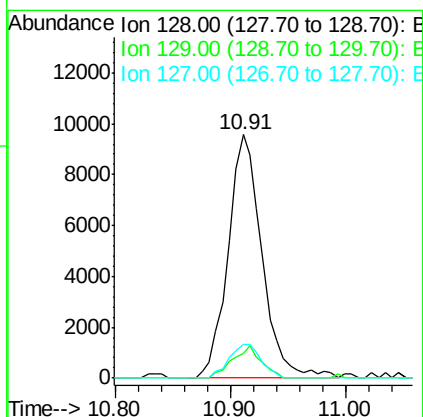
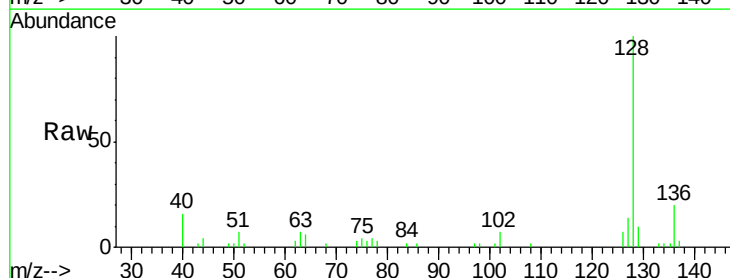
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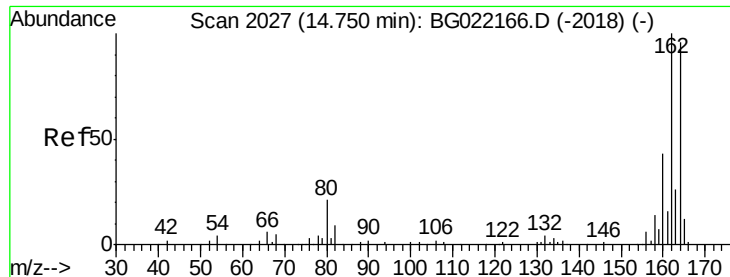
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#31
 Naphthalene
 Concen: 2.06 ng
 RT: 10.91 min Scan# 1374
 Delta R.T. -0.05 min
 Lab File: BG022436.D
 Acq: 18 Jun 2016 23:18

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	7.0	10.6
127	13.8	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: BG022436.D

Acq: 18 Jun 2016 23:18

Instrument :

BNA_G

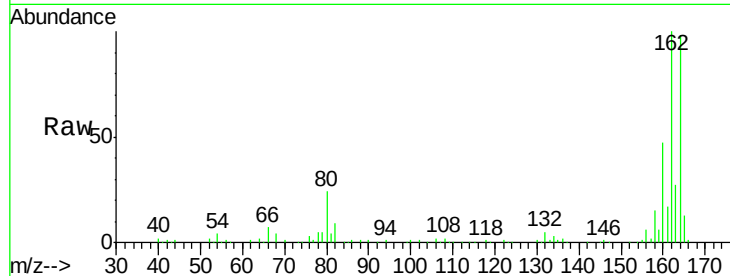
ClientSampleId :

STA-1141-(0-4)

Tot Ion:	164	Resp:	103461
Ion Ratio	Lower	Upper	
164	100		
162	101.5	78.0	117.0
160	47.4	32.9	49.3

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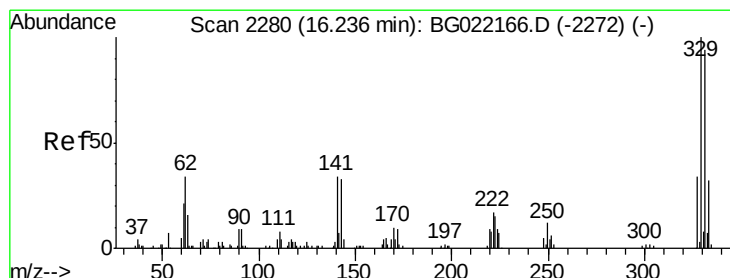
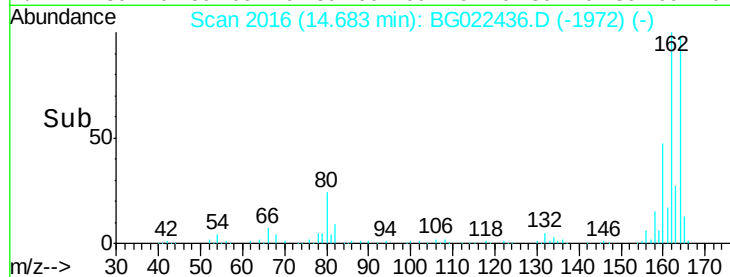
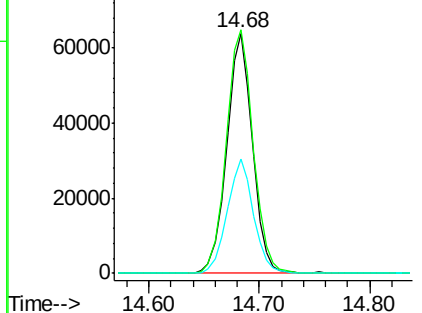
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 90.79 ng

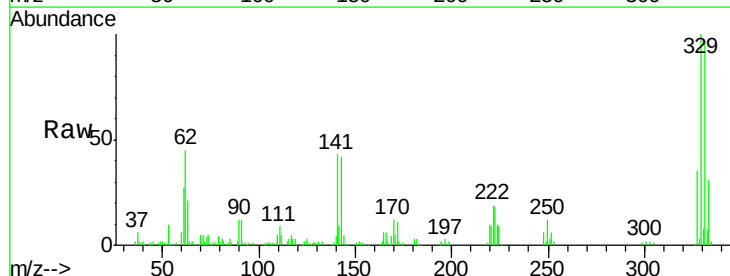
RT: 16.18 min Scan# 2270

Delta R.T. -0.04 min

Lab File: BG022436.D

Acq: 18 Jun 2016 23:18

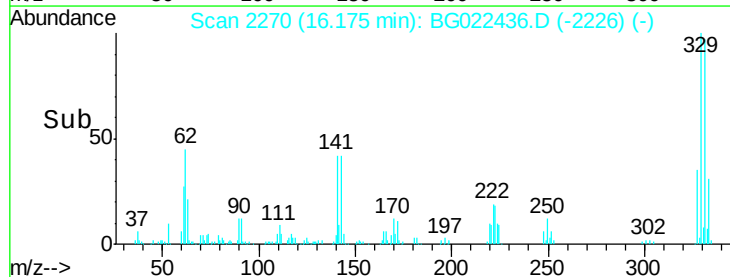
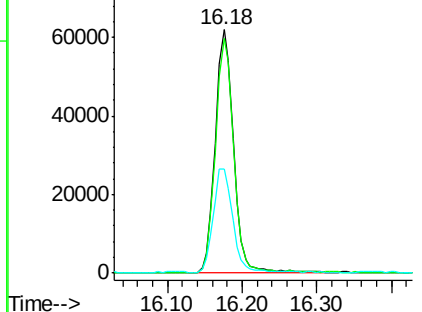
Tgt Ion:	330	Resp:	106142
Ion Ratio	Lower	Upper	
330	100		
332	95.7	78.0	117.0
141	44.5	33.8	50.8

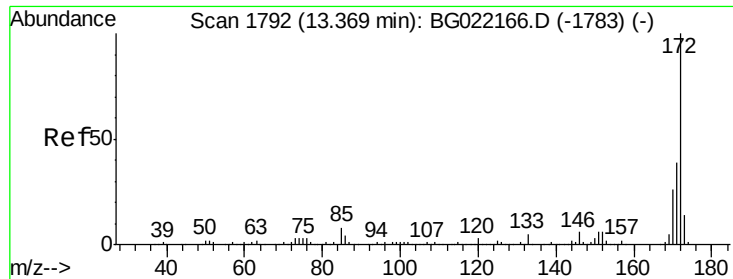


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





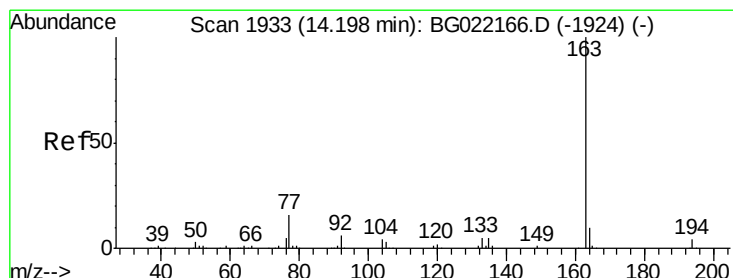
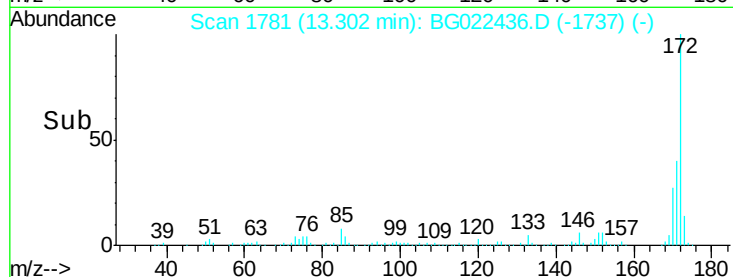
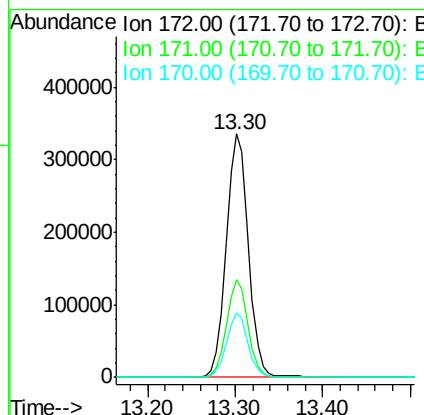
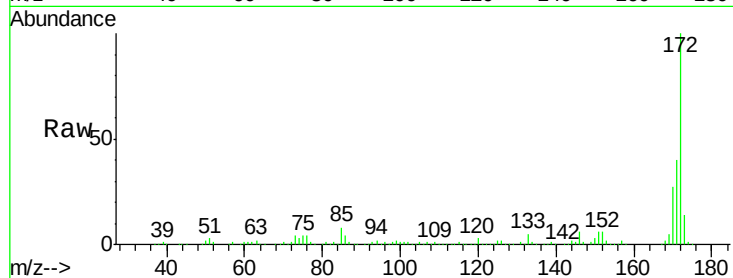
#44
2-Fluorobiphenyl
Concen: 86.03 ng
RT: 13.30 min Scan# 1781
Delta R.T. -0.04 min
Lab File: BG022436.D
Acq: 18 Jun 2016 23:18

Instrument :
BNA_G
ClientSampleId :
STA-1141-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	584043		
171	40.4		27.8	41.6
170	26.7		19.6	29.4

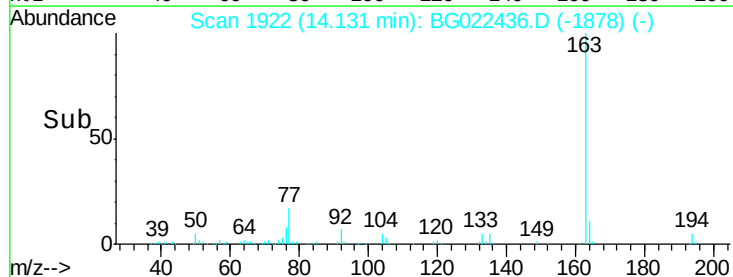
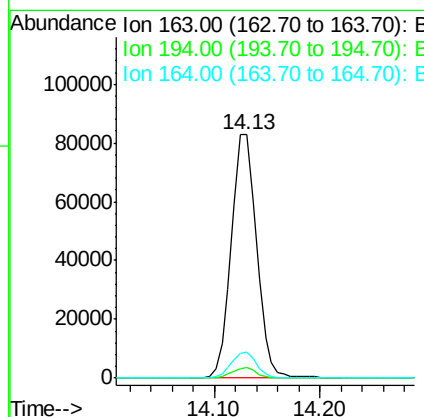
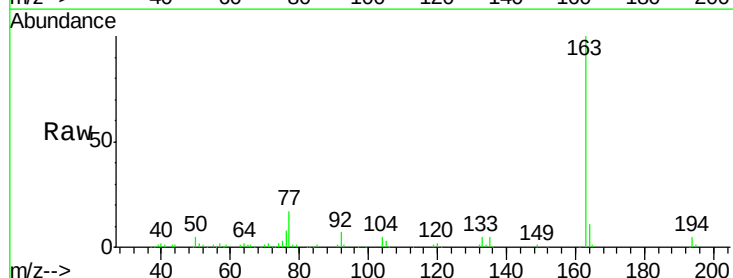
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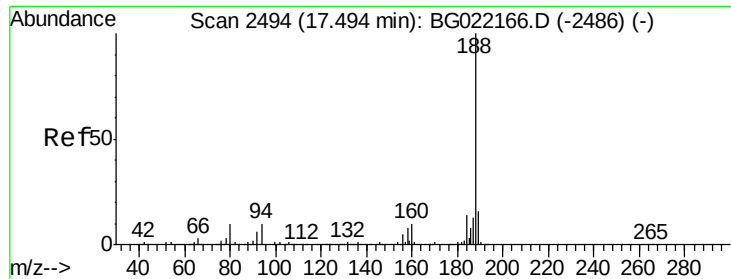
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#49
Dimethylphthalate
Concen: 16.05 ng
RT: 14.13 min Scan# 1922
Delta R.T. -0.04 min
Lab File: BG022436.D
Acq: 18 Jun 2016 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	137687		
194	4.5		3.0	4.6
164	10.7		8.1	12.1





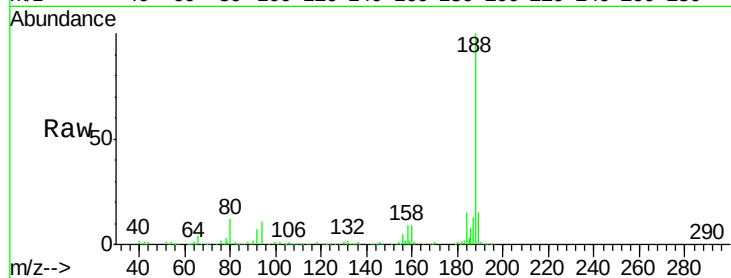
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.43 min Scan# 2483
Delta R.T. -0.04 min
Lab File: BG022436.D
Acq: 18 Jun 2016 23:18

Instrument :
BNA_G
ClientSampleId :
STA-1141-(0-4)

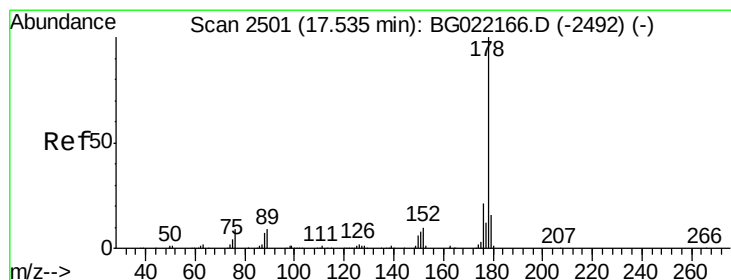
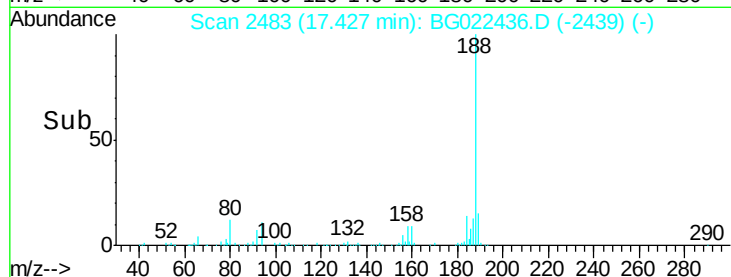
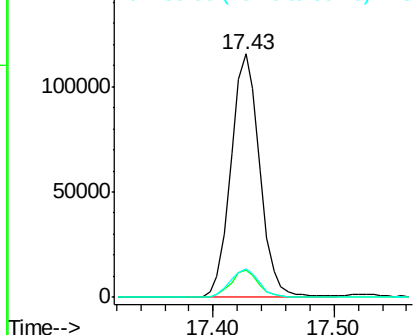
Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100		192153		
94	11.1	7.5	11.3		
80	11.6	8.6	13.0		

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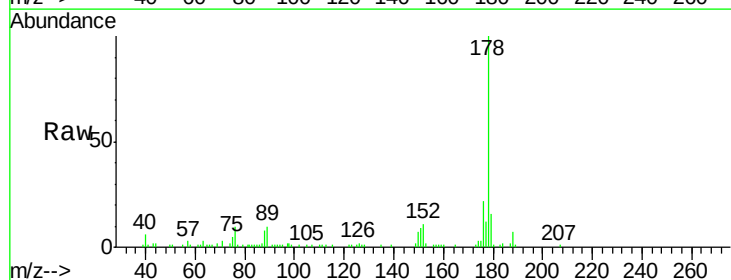


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

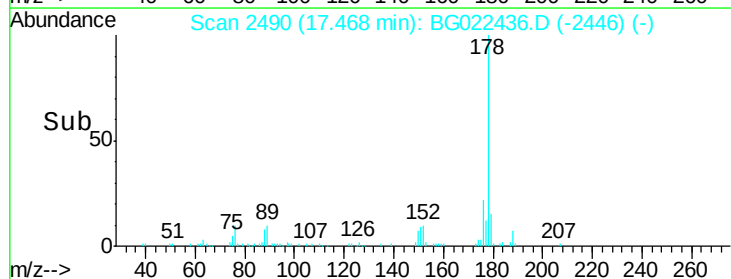
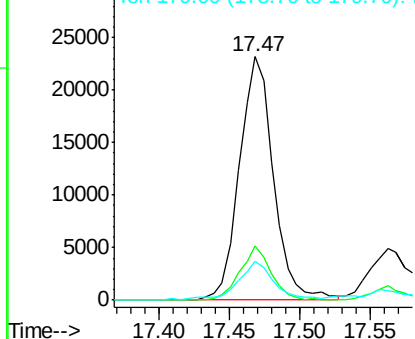


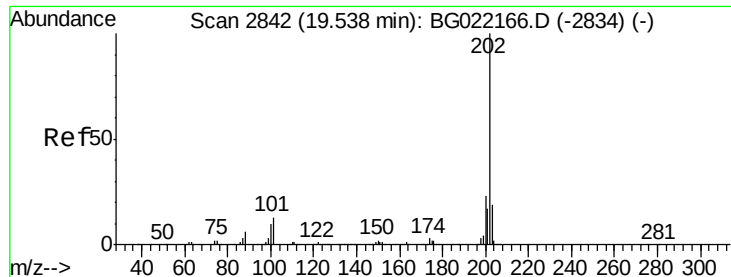
#70
Phenanthrene
Concen: 3.74 ng
RT: 17.47 min Scan# 2490
Delta R.T. -0.04 min
Lab File: BG022436.D
Acq: 18 Jun 2016 23:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		39035		
176	22.1	16.2	24.4		
179	16.1	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





#74

Fluoranthene

Concen: 11.98 ng

RT: 19.47 min Scan# 2831

Delta R.T. -0.04 min

Lab File: BG022436.D

Acq: 18 Jun 2016 23:18

Instrument :

BNA_G

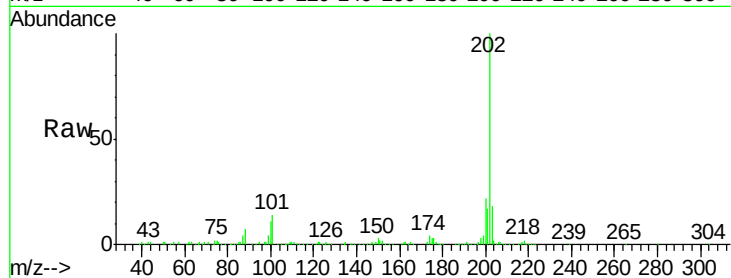
ClientSampleId :

STA-1141-(0-4)

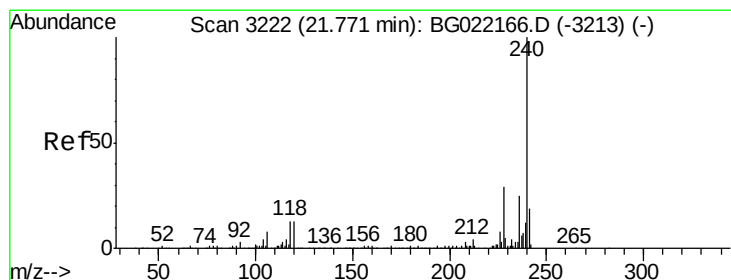
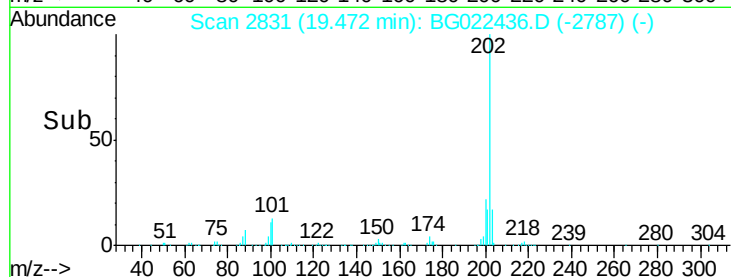
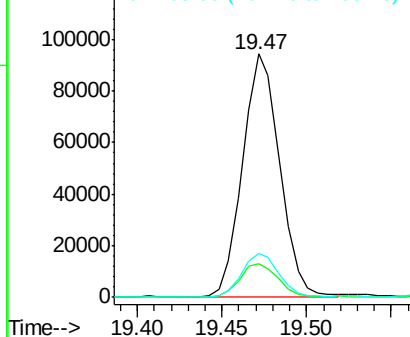
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		143791		
101	13.9	0.0	31.0		
203	17.8	0.0	37.9		

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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: 21.69 min Scan# 3209

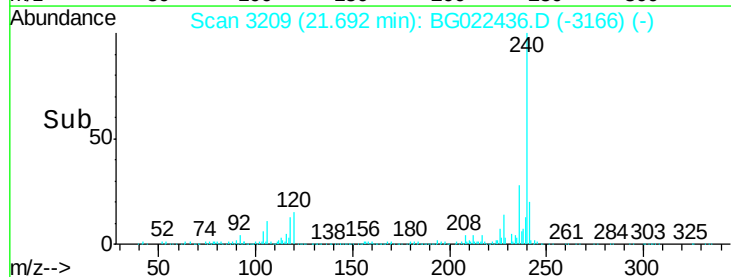
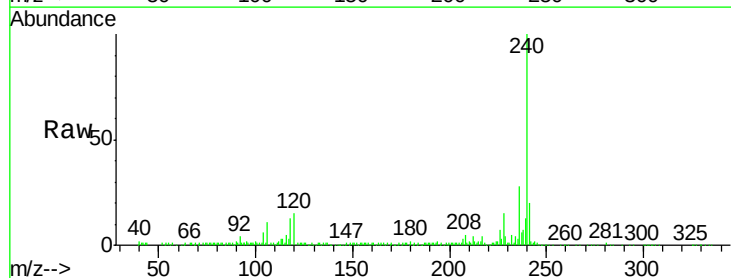
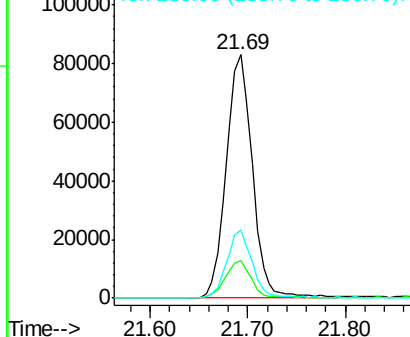
Delta R.T. -0.05 min

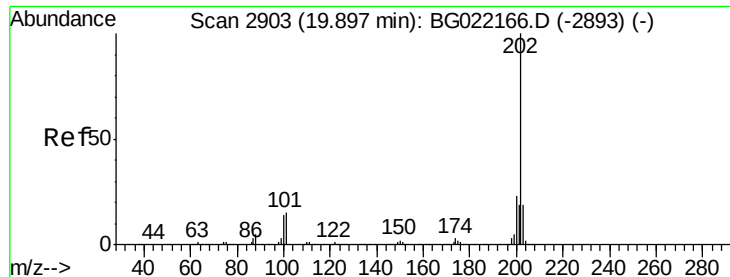
Lab File: BG022436.D

Acq: 18 Jun 2016 23:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		155173		
120	15.5	8.4	12.6#		
236	27.8	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





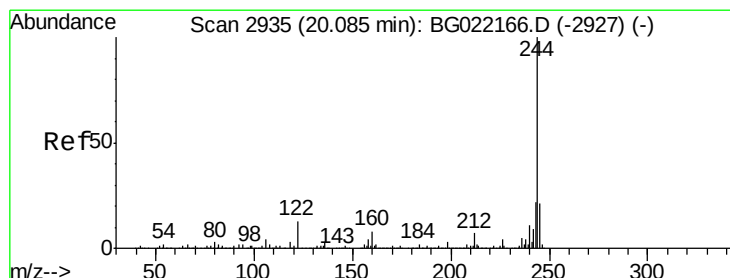
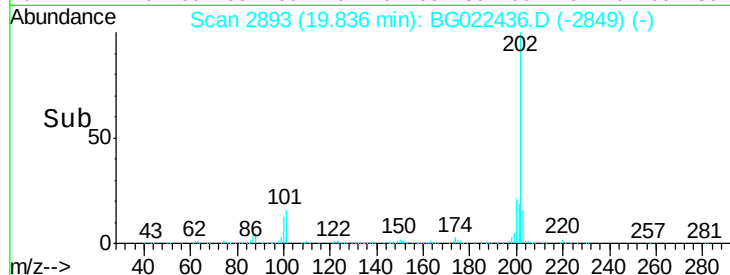
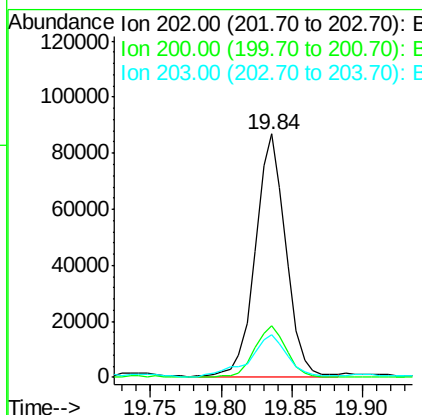
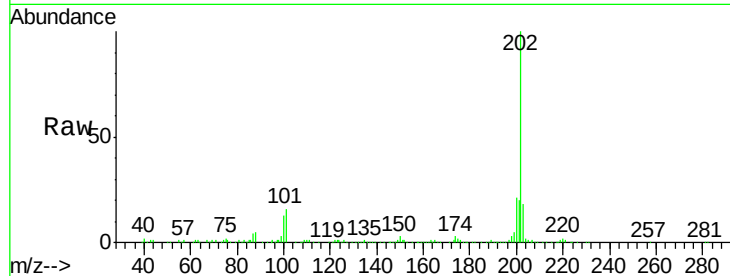
#77
Pvrene
Concen: 13.54 ng
RT: 19.84 min Scan# 2893
Delta R.T. -0.04 min
Lab File: BG022436.D
Acq: 18 Jun 2016 23:18

Instrument :
BNA_G
ClientSampleId :
STA-1141-(0-4)

Tot Ion:	202	Resp:	130637
Ion Ratio		Lower	Upper
202	100		
200	21.2	18.2	27.2
203	17.7	15.0	22.4

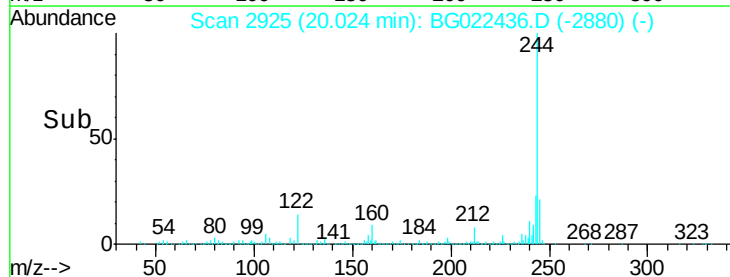
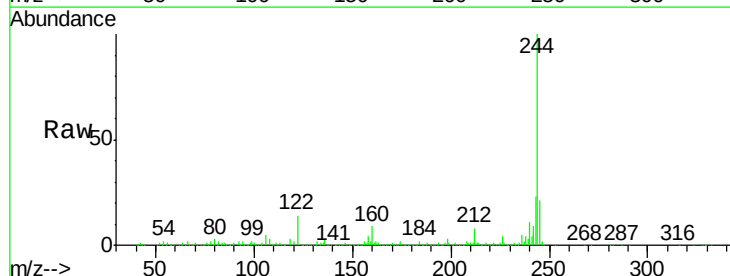
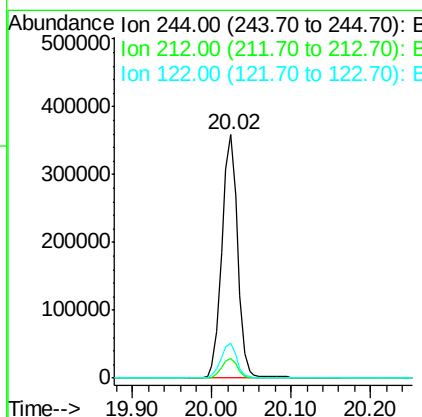
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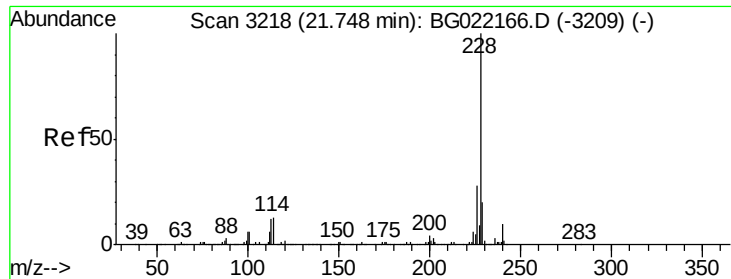
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#78
Terphenyl-d14
Concen: 76.08 ng
RT: 20.02 min Scan# 2925
Delta R.T. -0.04 min
Lab File: BG022436.D
Acq: 18 Jun 2016 23:18

Tgt Ion:	244	Resp:	497279
Ion Ratio		Lower	Upper
244	100		
212	7.8	6.5	9.7
122	14.2	8.6	12.8#





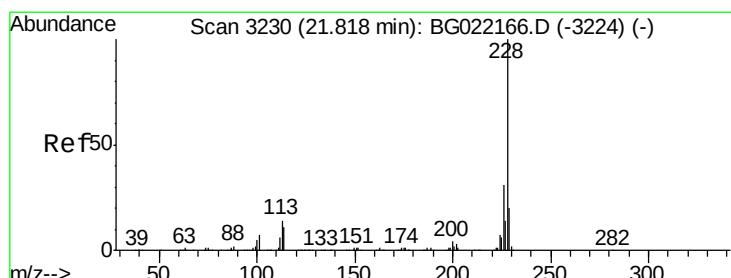
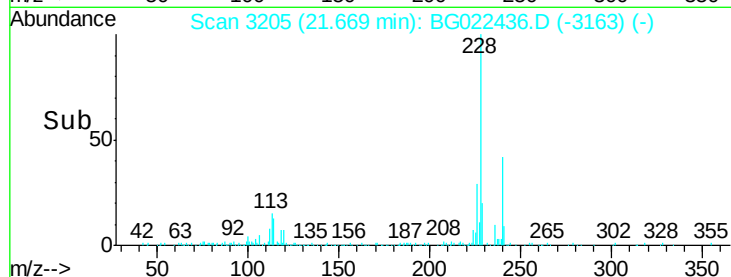
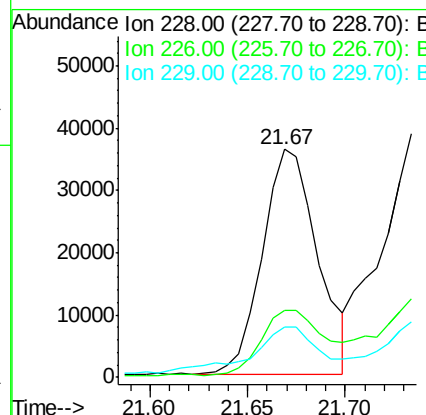
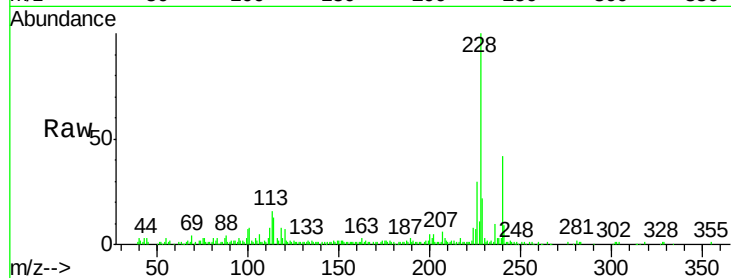
#80
Benzo(a)anthracene
Concen: 8.12 ng
RT: 21.67 min Scan# 3205
Delta R.T. -0.05 min
Lab File: BG022436.D
Acq: 18 Jun 2016 23:18

Instrument :
BNA_G
ClientSampleId :
STA-1141-(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	34.0
229	21.9	16.1	24.1

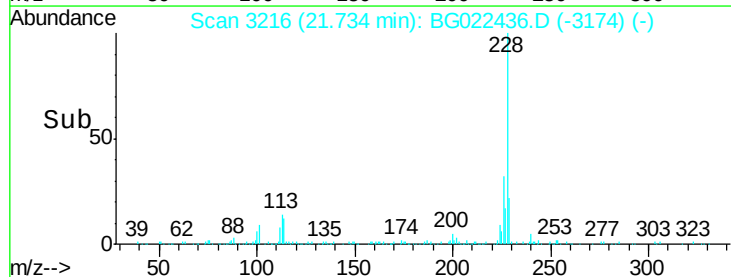
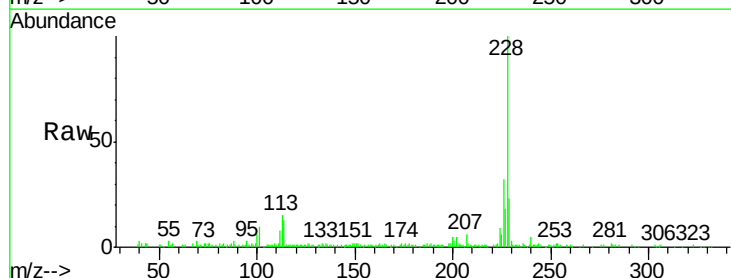
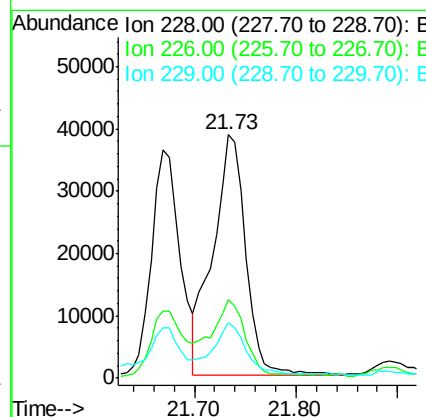
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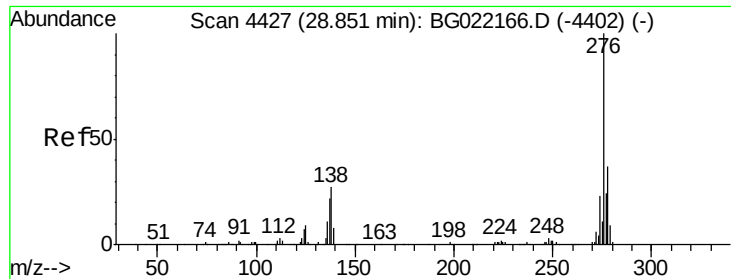
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#82
Chrysene
Concen: 10.23 ng
RT: 21.73 min Scan# 3216
Delta R.T. -0.05 min
Lab File: BG022436.D
Acq: 18 Jun 2016 23:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.4	38.0
229	22.9	15.9	23.9





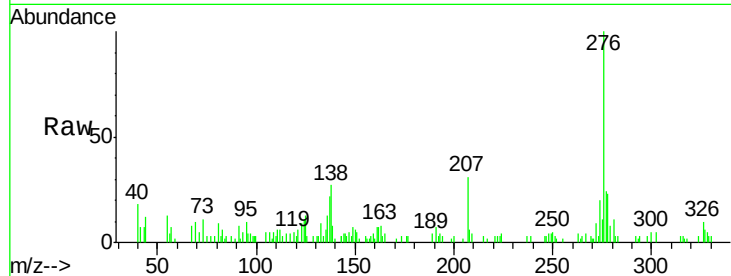
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.06 ng
 RT: 28.65 min Scan# 4393
 Delta R.T. -0.12 min
 Lab File: BG022436.D
 Acq: 18 Jun 2016 23:18

Instrument :
 BNA_G
 ClientSampleId :
 STA-1141-(0-4)

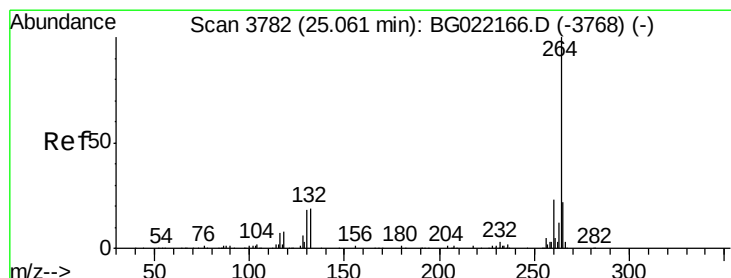
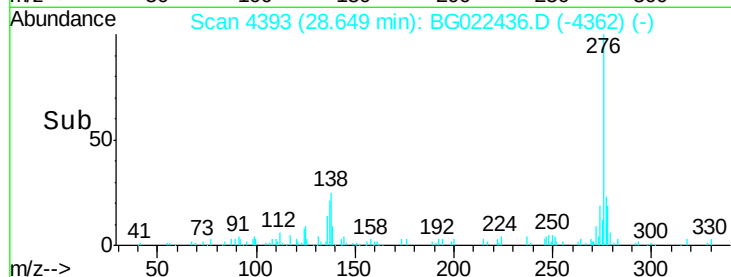
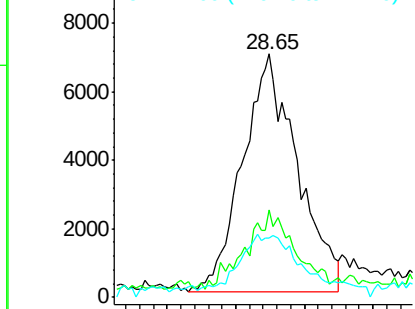
Tot Ion	Ratio	Lower	Upper
276	100		
138	13.0	14.0	21.0#
277	8.6	20.6	30.8#

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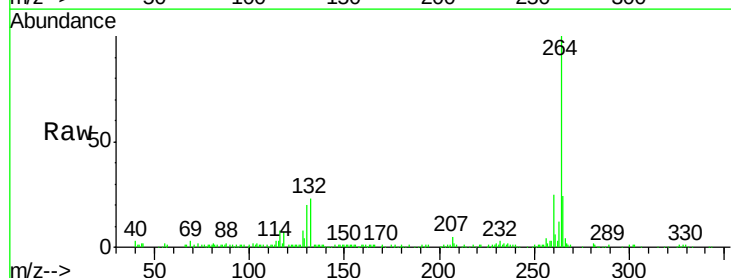


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

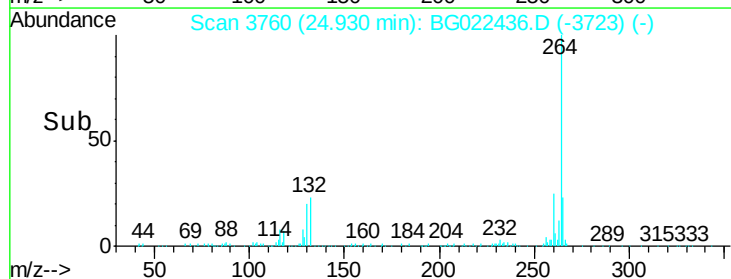
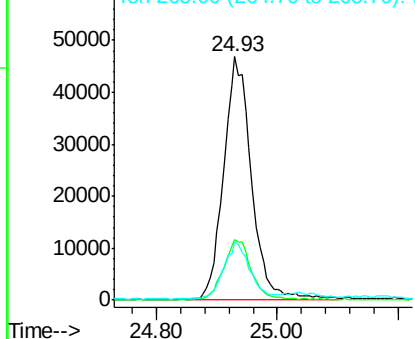


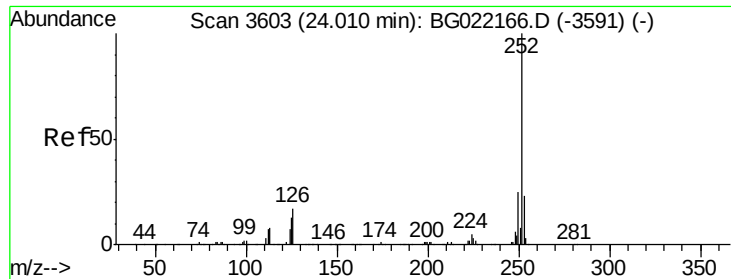
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.93 min Scan# 3760
 Delta R.T. -0.08 min
 Lab File: BG022436.D
 Acq: 18 Jun 2016 23:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.2	30.4
265	23.7	17.8	26.8



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





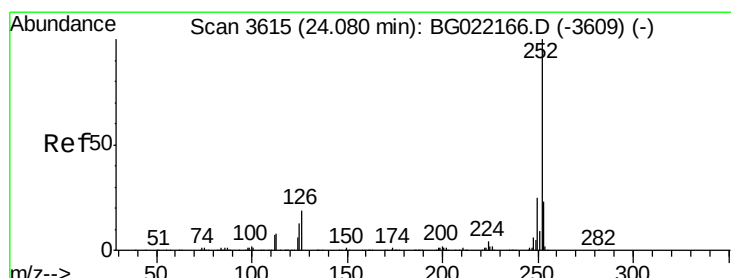
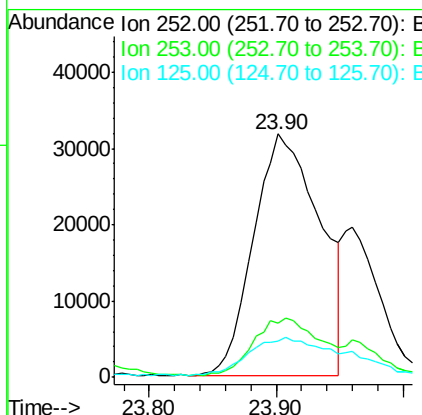
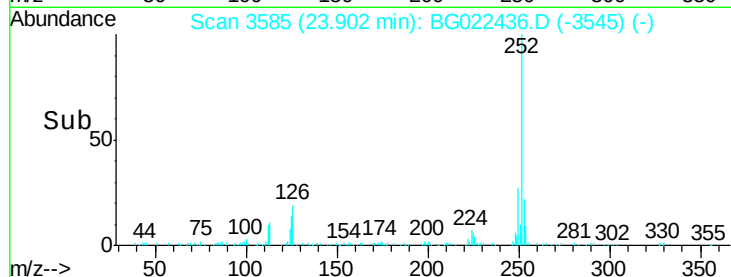
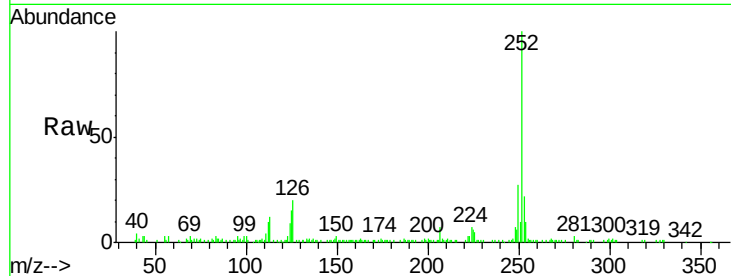
#87
Benzo(b)fluoranthene
Concen: 13.14 ng
RT: 23.90 min Scan# 3585
Delta R.T. -0.06 min
Lab File: BG022436.D
Acq: 18 Jun 2016 23:18

Instrument :
BNA_G
ClientSampleId :
STA-1141-(0-4)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	17.5	26.3
125	15.1	8.6	13.0

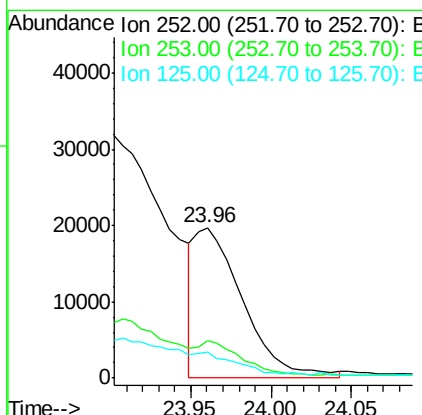
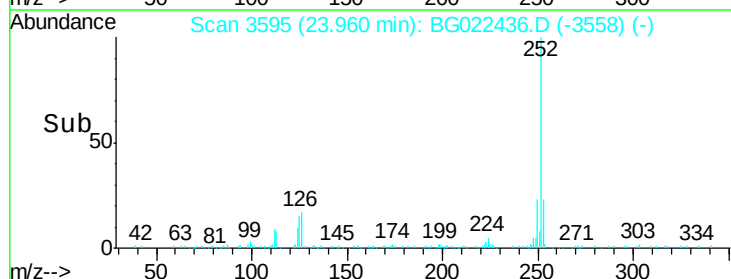
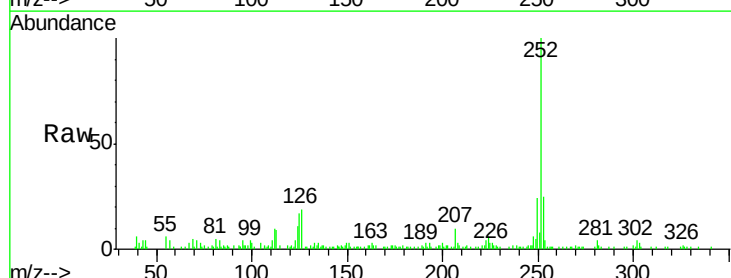
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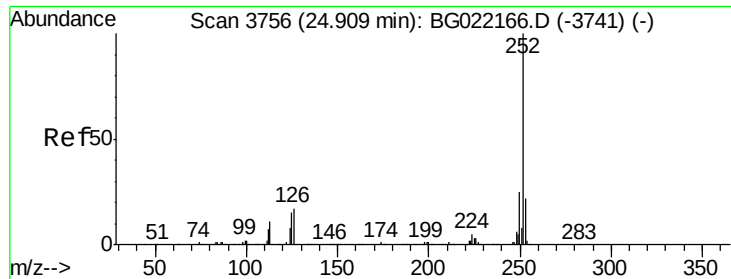
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#88
Benzo(k)fluoranthene
Concen: 4.72 ng m
RT: 23.96 min Scan# 3595
Delta R.T. -0.08 min
Lab File: BG022436.D
Acq: 18 Jun 2016 23:18

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.6	17.8	26.8
125	17.0	8.3	12.5





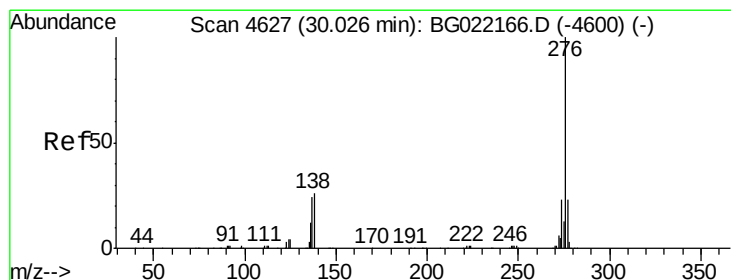
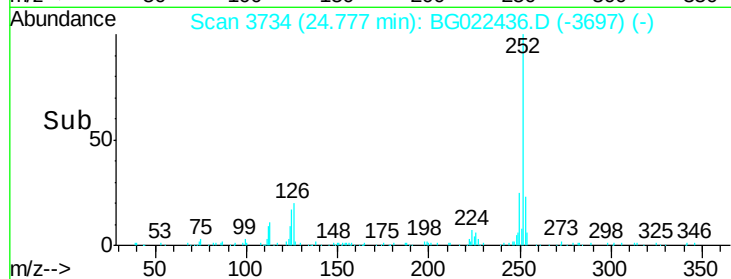
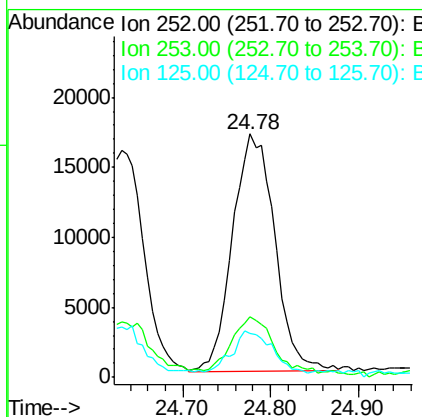
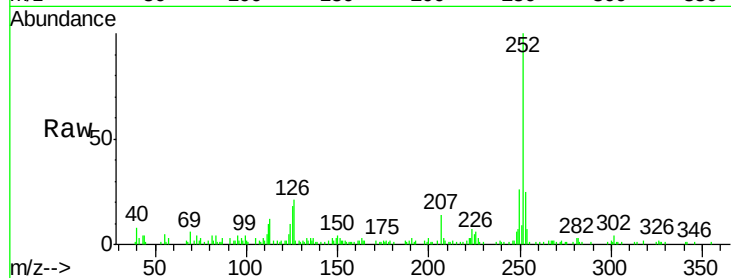
#89
Benzo(a)pyrene
Concen: 6.59 ng
RT: 24.78 min Scan# 3734
Delta R.T. -0.08 min
Lab File: BG022436.D
Acq: 18 Jun 2016 23:18

Instrument :
BNA_G
ClientSampleId :
STA-1141-(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	18.3	9.6	14.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.54 ng m
RT: 29.82 min Scan# 4592
Delta R.T. -0.12 min
Lab File: BG022436.D
Acq: 18 Jun 2016 23:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.4	29.2
138	27.6	17.4	26.0

