

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
 Data File : BG022434.D
 Acq On : 18 Jun 2016 21:58
 Operator : UM/SJ
 Sample : H3471-13
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STA-1065-(0-4)

Manual Integrations
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Quant Time: Jun 20 03:51:49 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 03:49:36 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	30024	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	154302	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	92210	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	175170	20.00	ng	0.00
75) Chrysene-d12	21.69	240	153886	20.00	ng	0.00
86) Perylene-d12	24.94	264	139397	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	271646	174.93	ng	0.00
7) Phenol-d6	7.23	99	422837	173.19	ng	0.00
23) Nitrobenzene-d5	9.21	82	228993	103.46	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	120788	115.93	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	534545	88.34	ng	0.00
78) Terphenyl-d14	20.02	244	487074	75.14	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	10.91	128	21720	2.82	ng	# 94
48) Acenaphthylene	14.41	152	145480	15.59	ng	99
49) Dimethylphthalate	14.13	163	121597	15.90	ng	100
51) Acenaphthene	14.74	154	13852	2.48	ng	# 92
57) Fluorene	15.72	166	26827	3.57	ng	98
70) Phenanthrene	17.47	178	656362	68.99	ng	98
71) Anthracene	17.56	178	144208	15.28	ng	99
72) Carbazole	17.84	167	57038	6.38	ng	# 94
74) Fluoranthene	19.48	202	1662382	151.99	ng	87
77) Pyrene	19.84	202	1442530	150.79	ng	# 91
80) Benzo(a)anthracene	21.68	228	793991	92.01	ng	95
82) Chrysene	21.74	228	727547	86.64	ng	95
85) Indeno(1,2,3-cd)pyrene	28.68	276	426388	45.26	ng	# 88
87) Benzo(b)fluoranthene	23.93	252	1009028	124.11	ng	# 93
88) Benzo(k)fluoranthene	23.97	252	316502m	39.55	ng	
89) Benzo(a)pyrene	24.80	252	602857	77.55	ng	# 93
90) Dibenzo(a,h)anthracene	28.71	278	103175	14.09	ng	# 88
91) Benzo(g,h,i)perylene	29.86	276	382378	50.20	ng	# 91

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

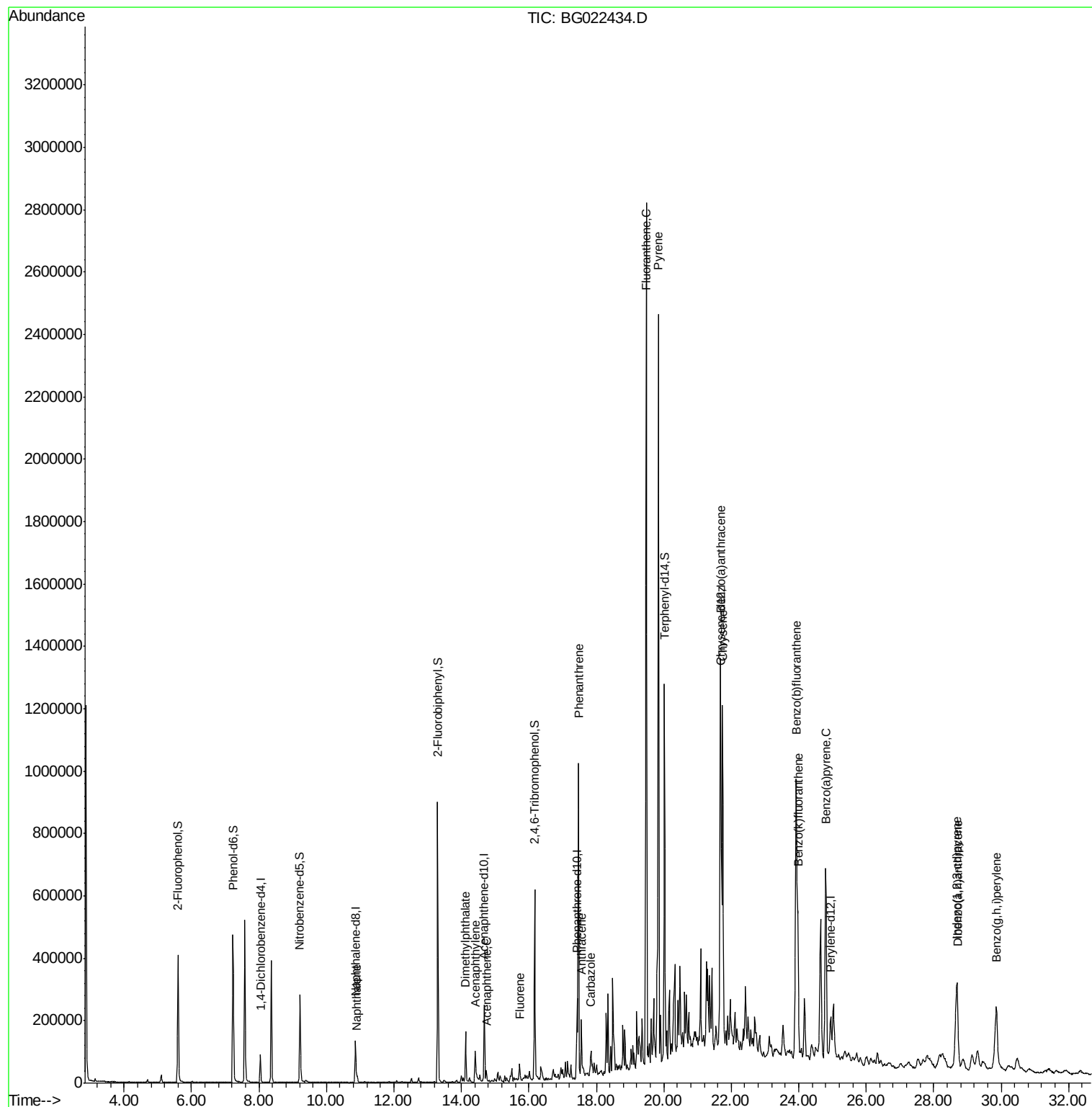
Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022434.D
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ALS Vial : 43 Sample Multiplier: 1

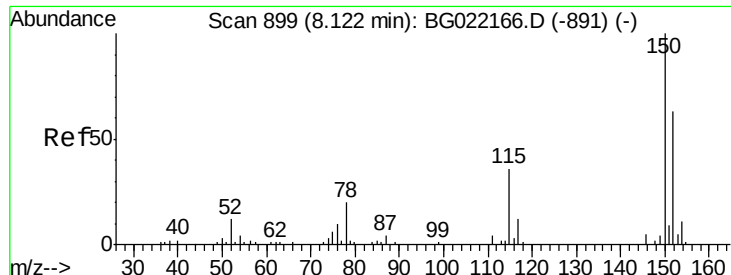
Instrument :
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ClientSampleId :
STA-1065-(0-4)

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Quant Time: Jun 20 03:51:49 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 20 03:49:36 2016
Response via : Initial Calibration





#1

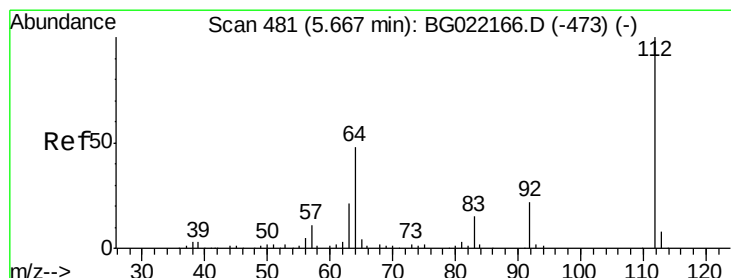
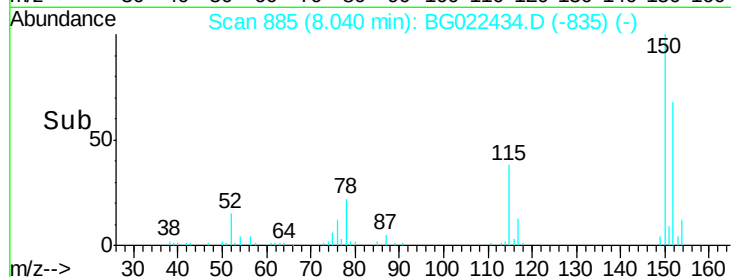
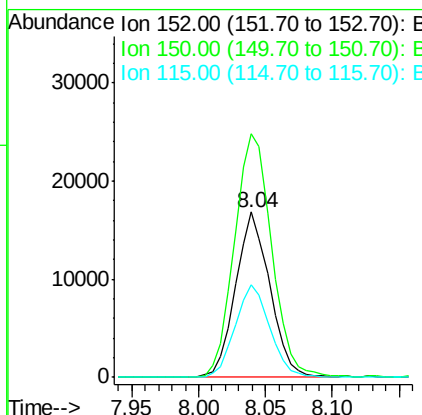
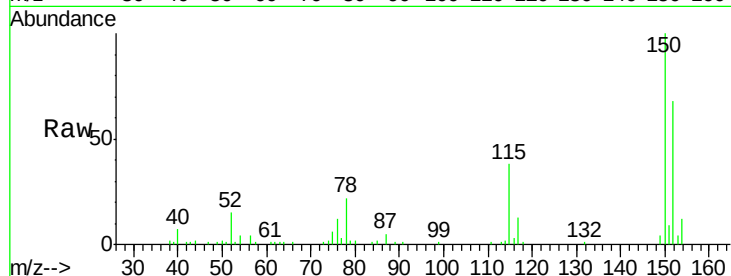
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 885
Delta R.T. -0.00 min
Lab File: BG022434.D
Acq: 18 Jun 2016 21:58

Instrument :
BNA_G
ClientSampleId :
STA-1065-(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.4	130.1	195.1
115	55.9	62.2	93.2#

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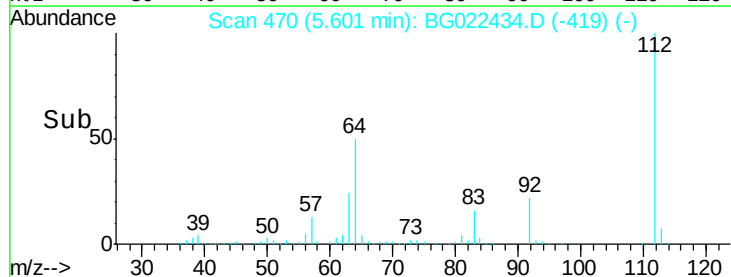
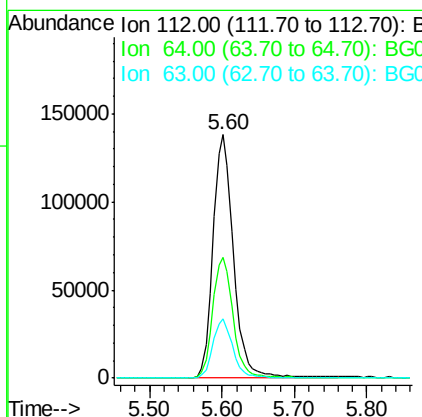
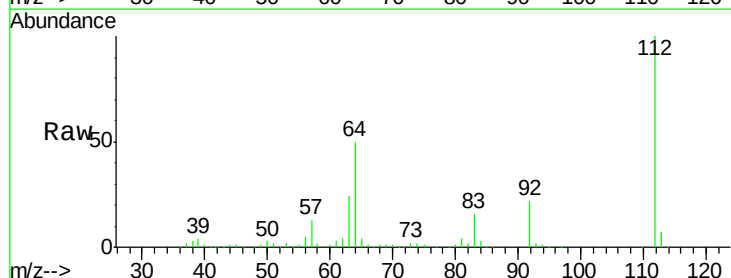
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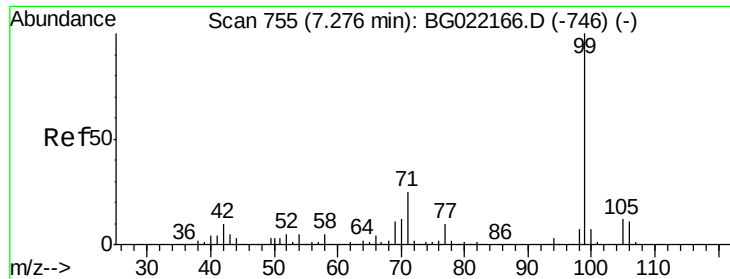


#5

2-Fluorophenol
Concen: 174.93 ng
RT: 5.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: BG022434.D
Acq: 18 Jun 2016 21:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.8	51.1	76.7#
63	24.2	24.6	37.0#





#7

Phenol-d6

Concen: 173.19 ng

RT: 7.23 min Scan# 747

Delta R.T. -0.00 min

Lab File: BG022434.D

Acq: 18 Jun 2016 21:58

Instrument :

BNA_G

ClientSampled :

STA-1065-(0-4)

Tot Ion: 99 Resp: 422837
Ion Ratio Lower Upper

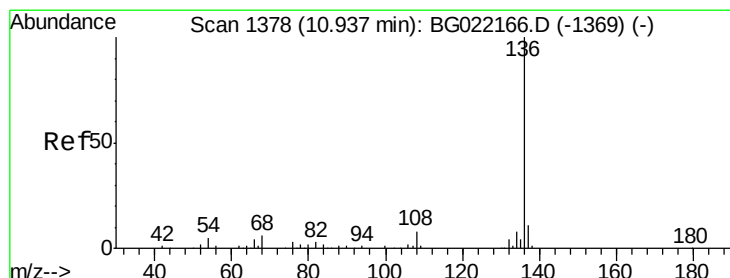
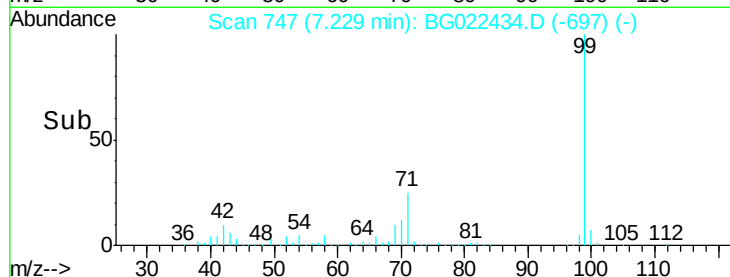
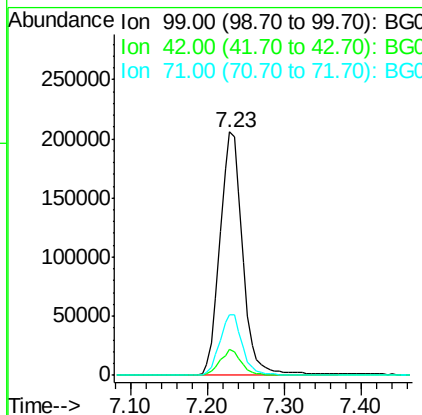
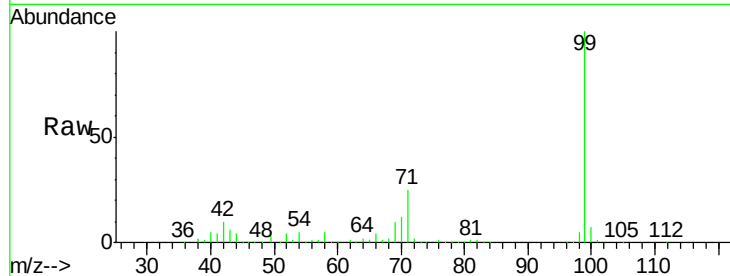
99 100

42 10.5 16.4 24.6#

71 25.1 25.0 37.4

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.86 min Scan# 1365

Delta R.T. 0.00 min

Lab File: BG022434.D

Acq: 18 Jun 2016 21:58

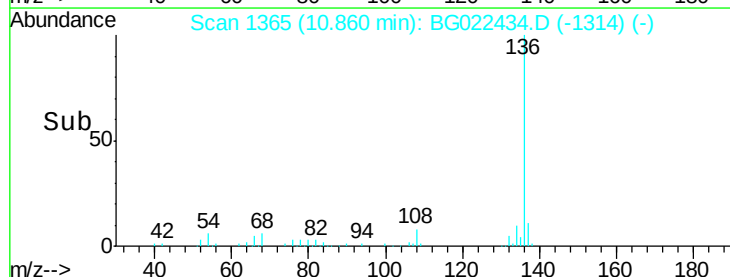
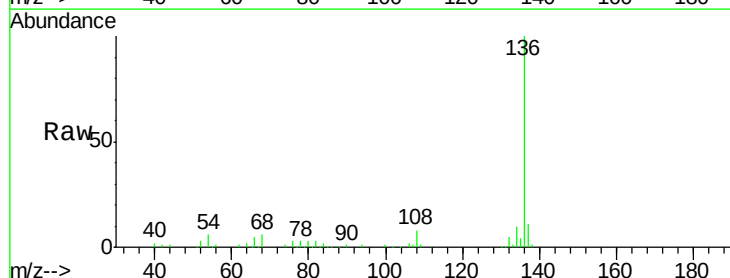
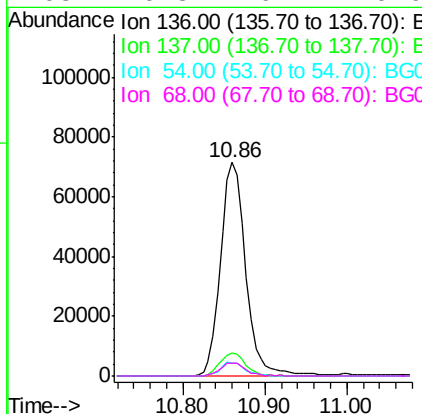
Tgt Ion: 136 Resp: 154302
Ion Ratio Lower Upper

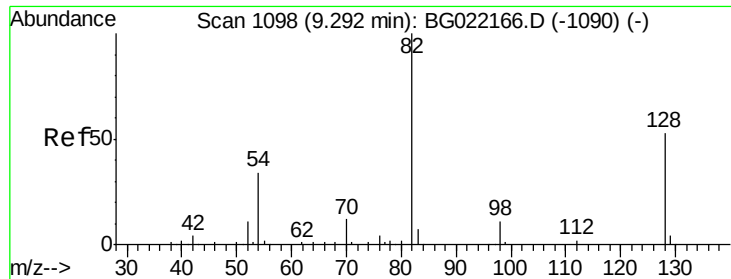
136 100

137 10.9 9.0 13.4

54 6.2 9.6 14.4#

68 6.3 6.4 9.6#





#23

Nitrobenzene-d5

Concen: 103.46 ng

RT: 9.21 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BG022434.D

Acq: 18 Jun 2016 21:58

Instrument :

BNA_G

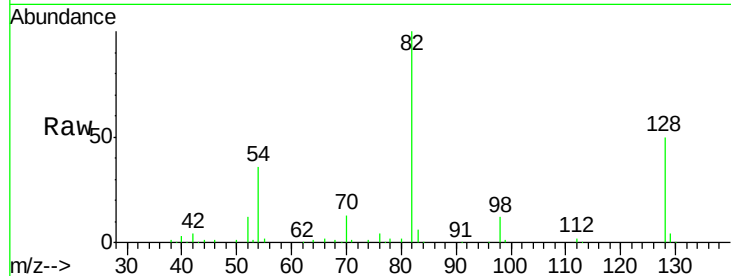
ClientSampled :

STA-1065-(0-4)

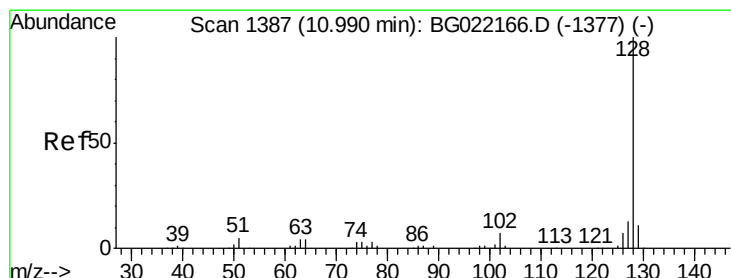
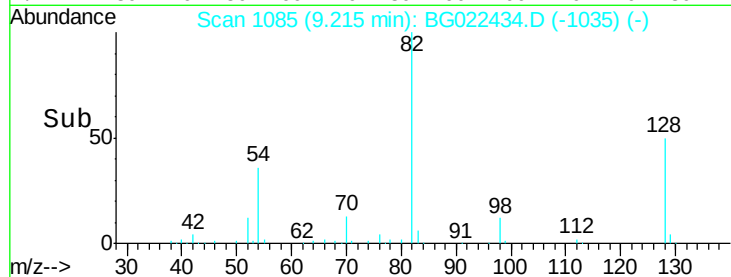
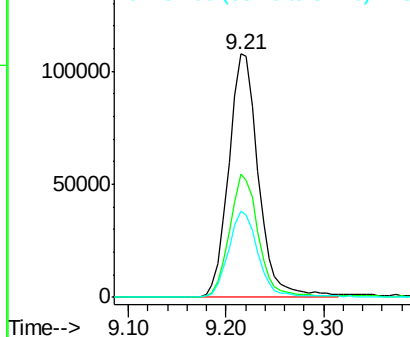
Tot Ion	82	Resp	228993
Ion Ratio	Lower	Upper	
82	100		
128	50.4	33.4	50.0#
54	35.6	46.1	69.1#

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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: 2.82 ng

RT: 10.91 min Scan# 1373

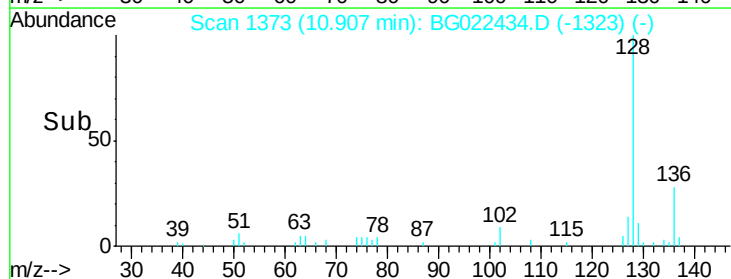
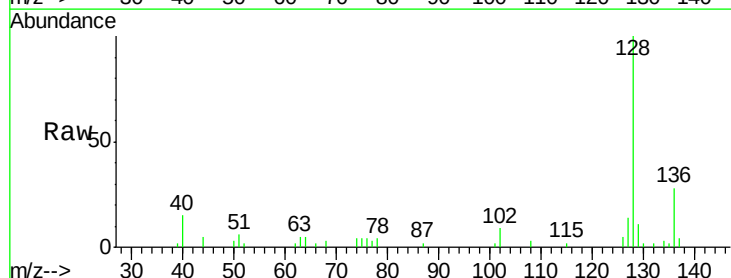
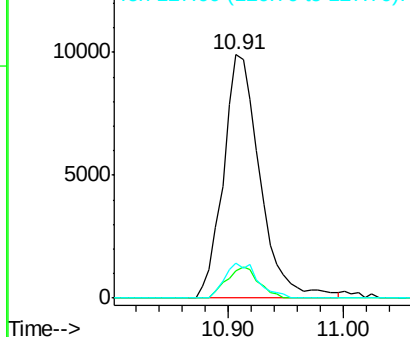
Delta R.T. -0.00 min

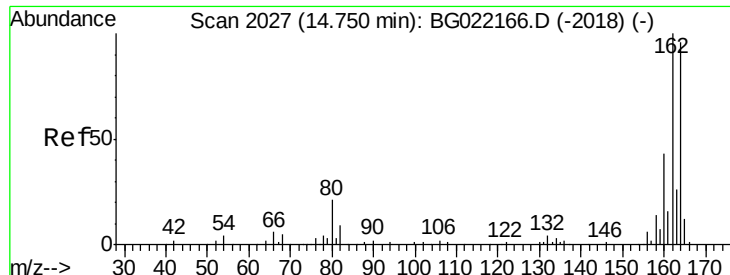
Lab File: BG022434.D

Acq: 18 Jun 2016 21:58

Tgt Ion	128	Resp	21720
Ion Ratio	Lower	Upper	
128	100		
129	11.4	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# 2015

Delta R.T. -0.00 min

Lab File: BG022434.D

Acq: 18 Jun 2016 21:58

Instrument :

BNA_G

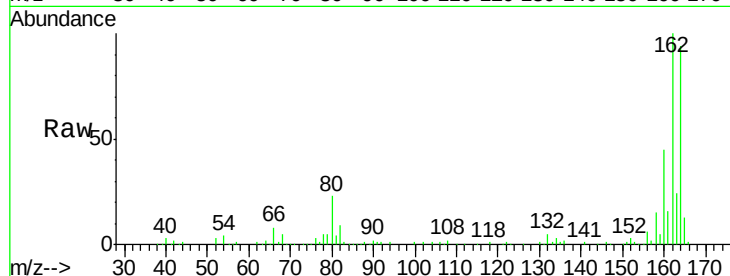
ClientSampleId :

STA-1065-(0-4)

Tot Ion:	164	Resp:	92210
Ion Ratio	Lower	Upper	
164	100		
162	106.0	78.0	117.0
160	47.3	32.9	49.3

Manual Integrations
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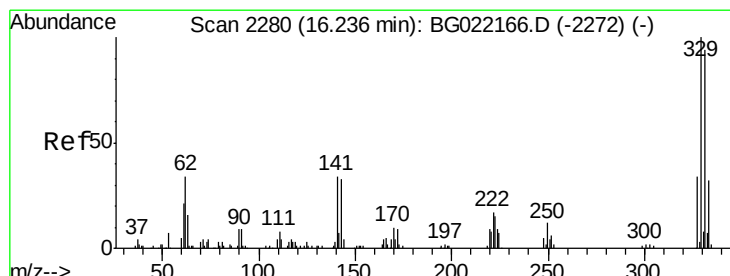
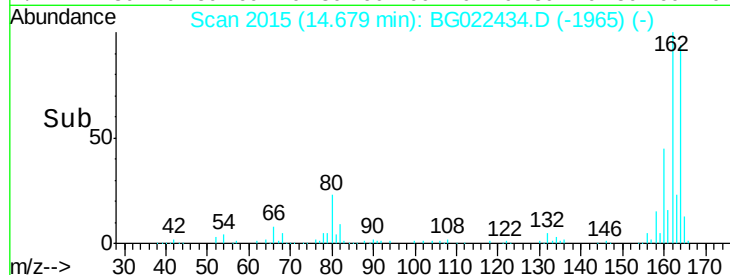
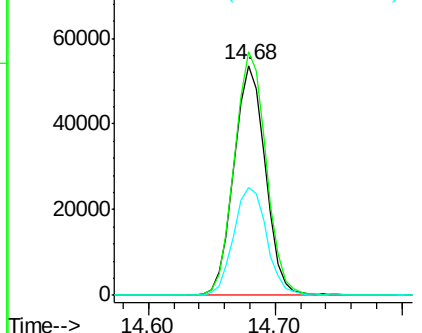
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 115.93 ng

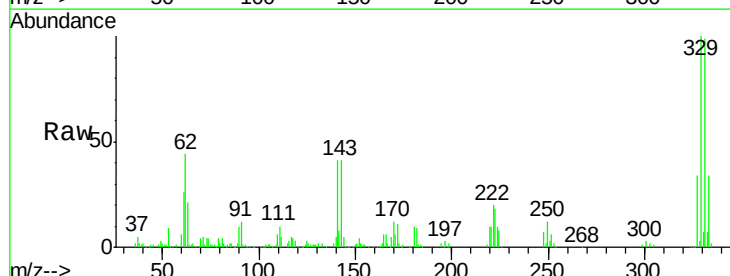
RT: 16.18 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BG022434.D

Acq: 18 Jun 2016 21:58

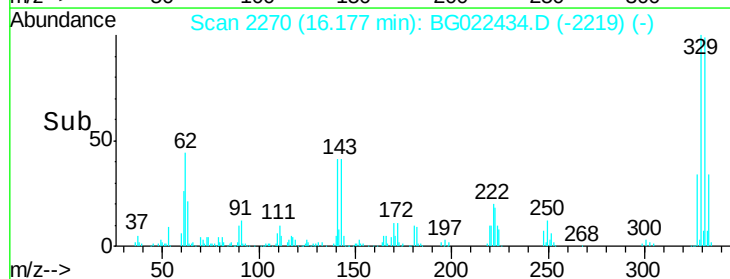
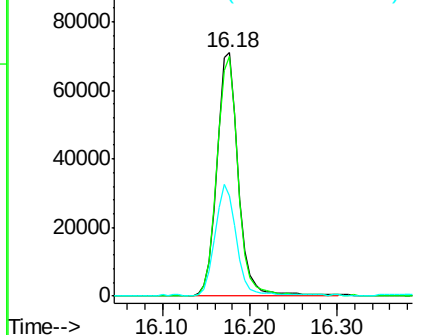
Tgt Ion:	330	Resp:	120788
Ion Ratio	Lower	Upper	
330	100		
332	97.9	78.0	117.0
141	45.6	33.8	50.8

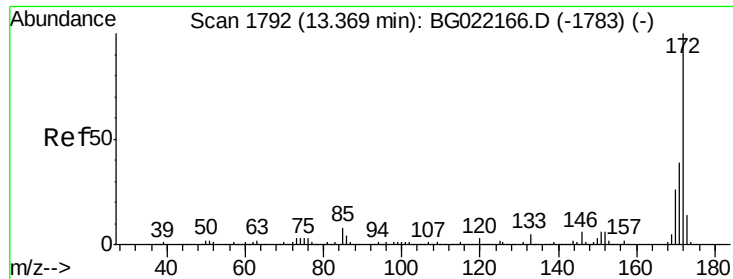


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





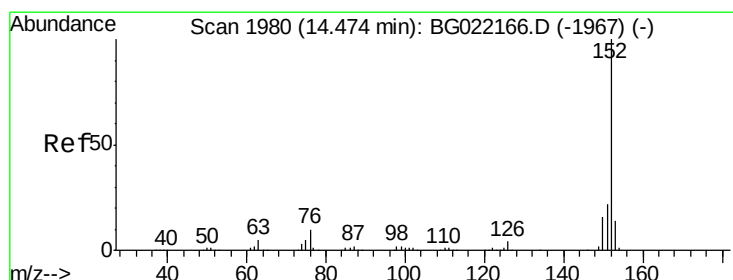
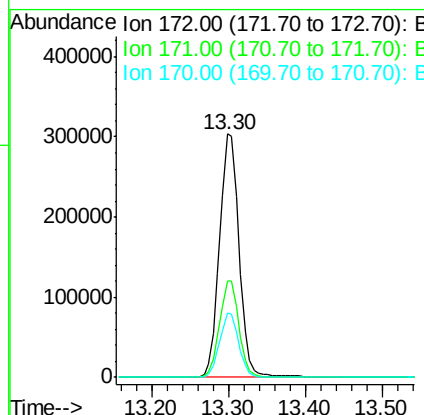
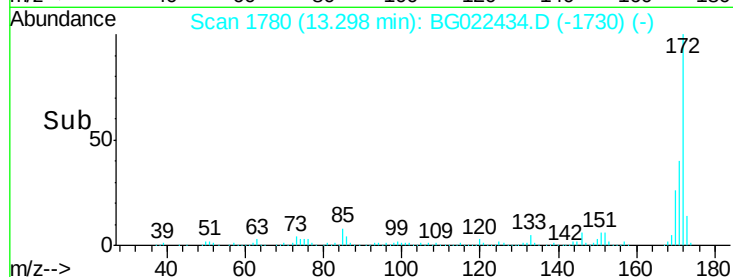
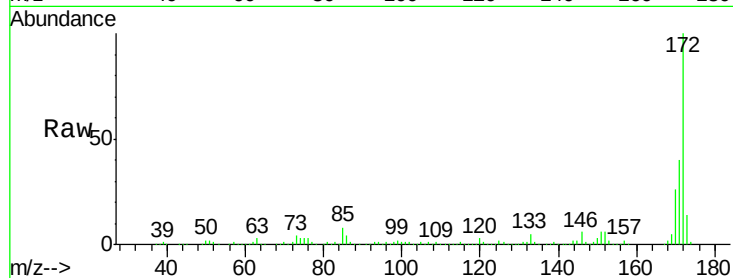
#44
2-Fluorobiphenyl
Concen: 88.34 ng
RT: 13.30 min Scan# 1780
Delta R.T. -0.00 min
Lab File: BG022434.D
Acq: 18 Jun 2016 21:58

Instrument :
BNA_G
ClientSampleId :
STA-1065-(0-4)

Tot Ion:	172	Resp:	534545
Ion Ratio	Lower	Upper	
172	100		
171	39.7	27.8	41.6
170	26.2	19.6	29.4

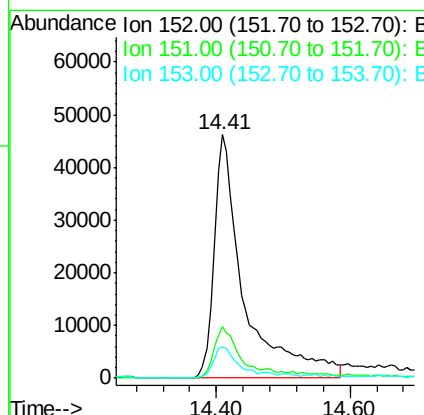
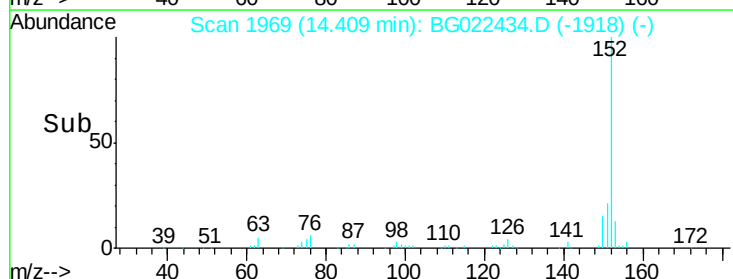
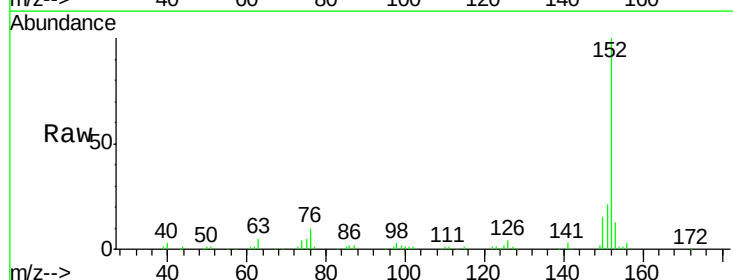
Manual Integrations
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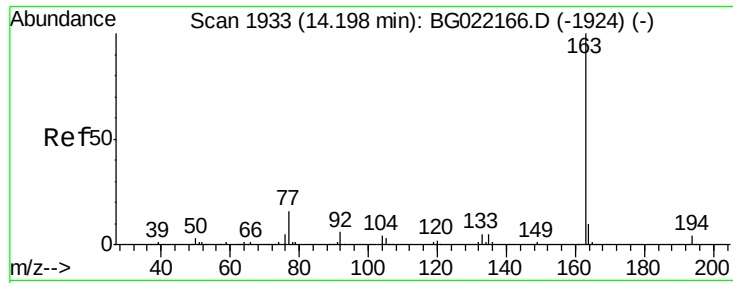
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#48
Acenaphthylene
Concen: 15.59 ng
RT: 14.41 min Scan# 1969
Delta R.T. 0.00 min
Lab File: BG022434.D
Acq: 18 Jun 2016 21:58

Tgt Ion:	152	Resp:	145480
Ion Ratio	Lower	Upper	
152	100		
151	21.3	16.6	24.8
153	12.9	10.2	15.2





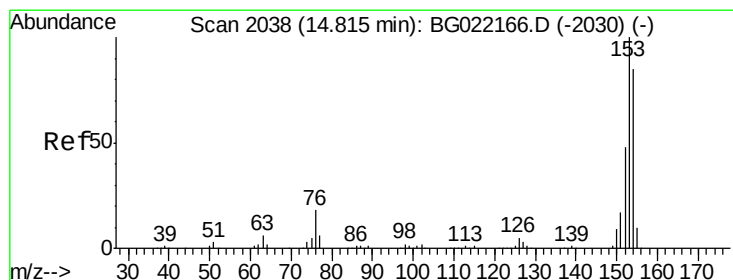
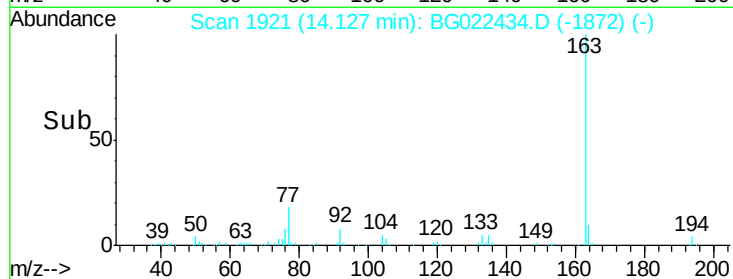
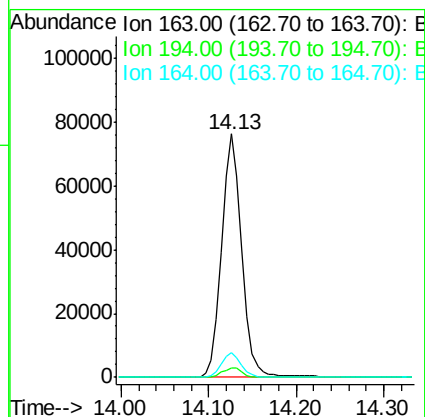
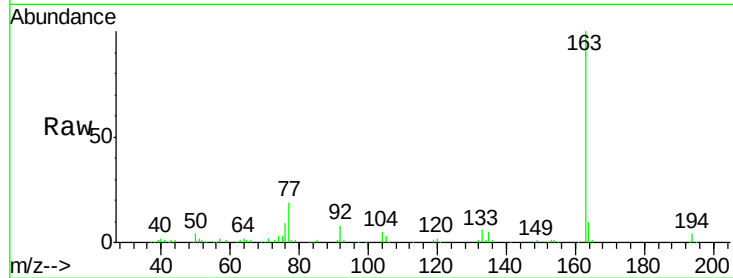
#49
Dimethylphthalate
Concen: 15.90 ng
RT: 14.13 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BG022434.D
Acq: 18 Jun 2016 21:58

Instrument :
BNA_G
ClientSampled :
STA-1065-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	121597		
194	4.0	3.0	4.6	
164	10.3	8.1	12.1	

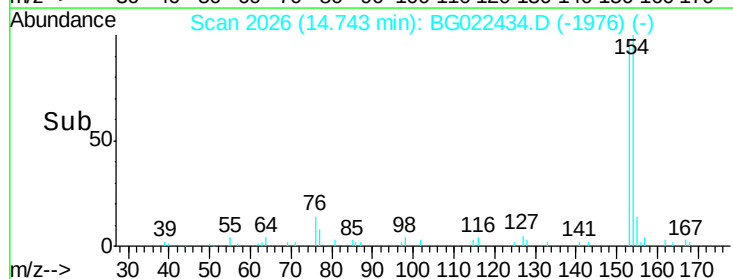
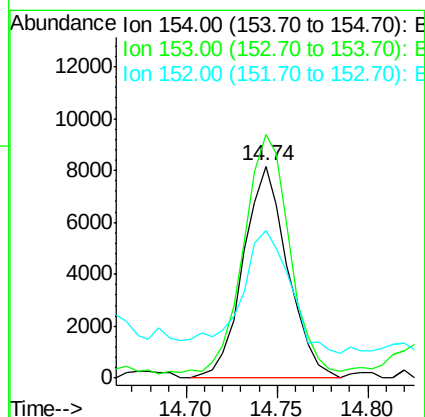
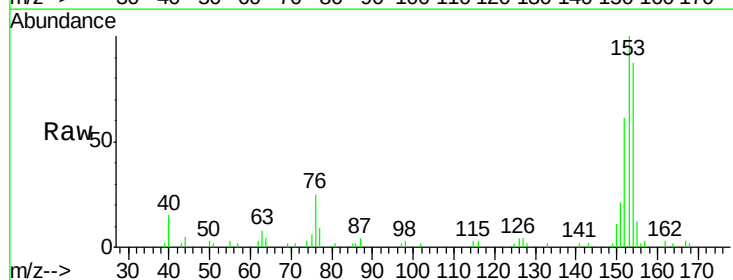
Manual Integrations
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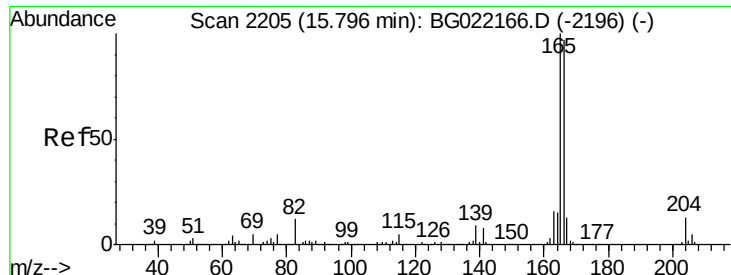
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#51
Acenaphthene
Concen: 2.48 ng
RT: 14.74 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BG022434.D
Acq: 18 Jun 2016 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	13852		
153	114.7	91.9	137.9	
152	69.4	42.0	63.0	





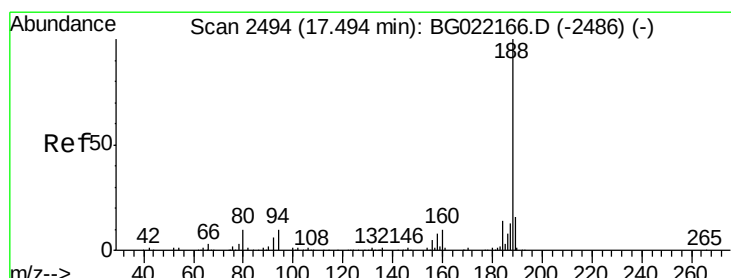
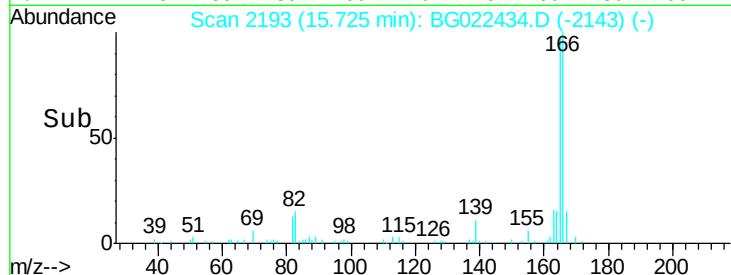
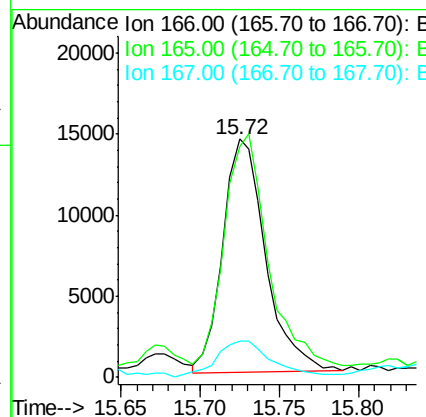
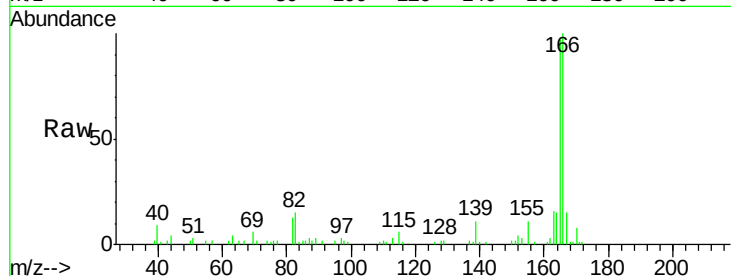
#57
Fluorene
 Concen: 3.57 ng
 RT: 15.72 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: BG022434.D
 Acq: 18 Jun 2016 21:58

Instrument :
 BNA_G
 ClientSampleId :
 STA-1065-(0-4)

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.7	79.0	118.4
167	15.3	10.7	16.1

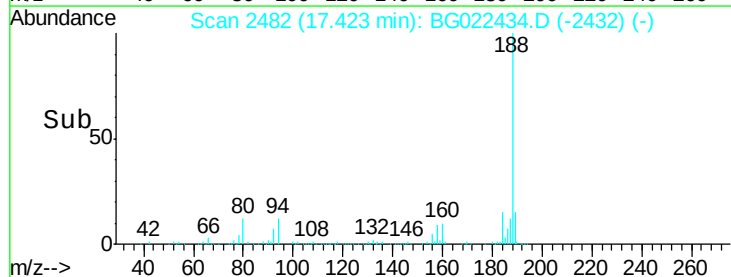
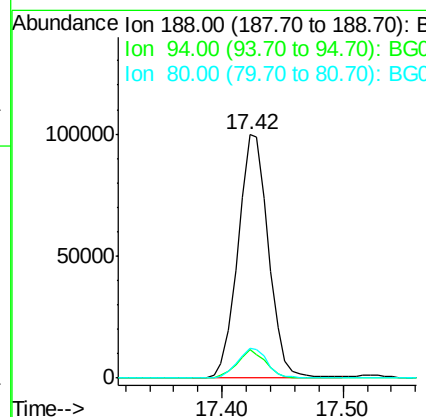
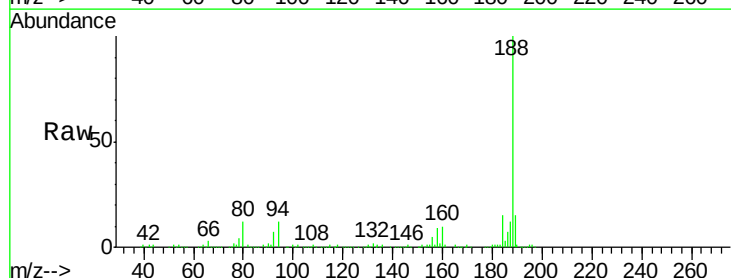
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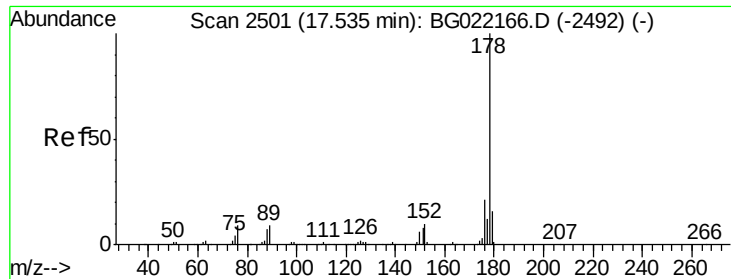
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.42 min Scan# 2482
 Delta R.T. -0.00 min
 Lab File: BG022434.D
 Acq: 18 Jun 2016 21:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	7.5	11.3#
80	12.2	8.6	13.0





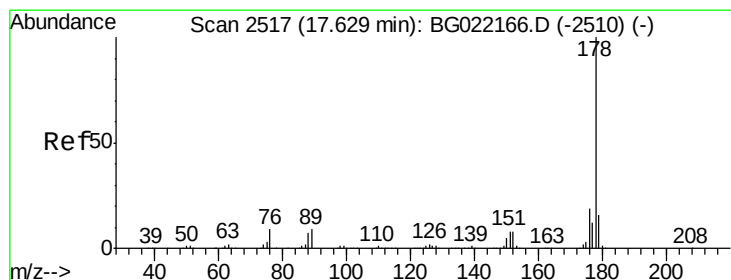
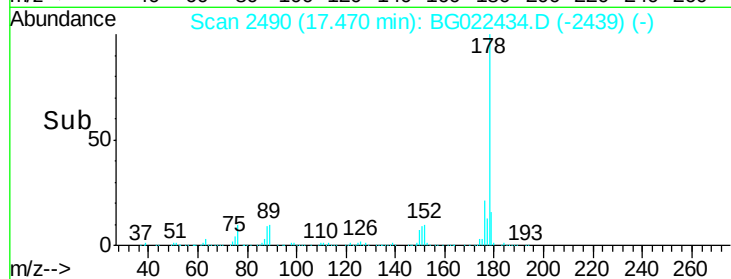
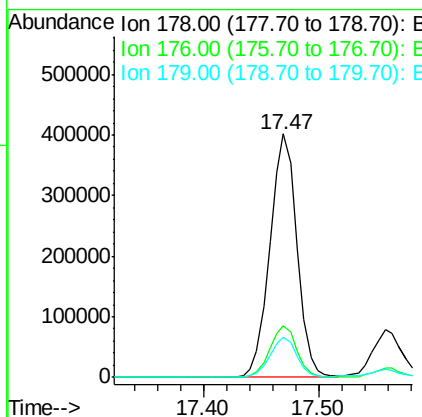
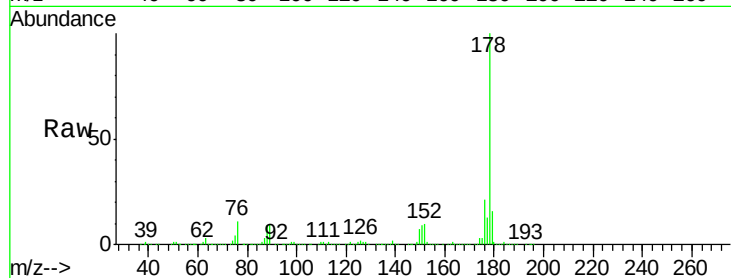
#70
Phenanthrene
Concen: 68.99 ng
RT: 17.47 min Scan# 2490
Delta R.T. 0.00 min
Lab File: BG022434.D
Acq: 18 Jun 2016 21:58

Instrument :
BNA_G
ClientSampled :
STA-1065-(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.0	16.2	24.4
179	16.5	12.0	18.0

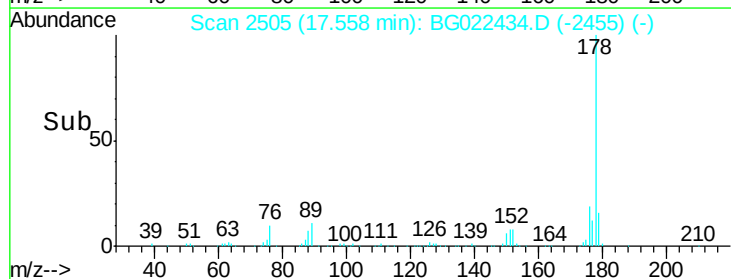
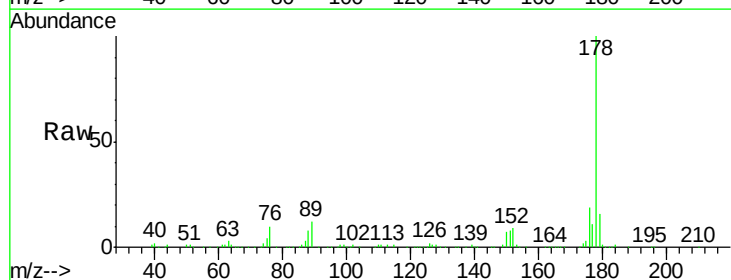
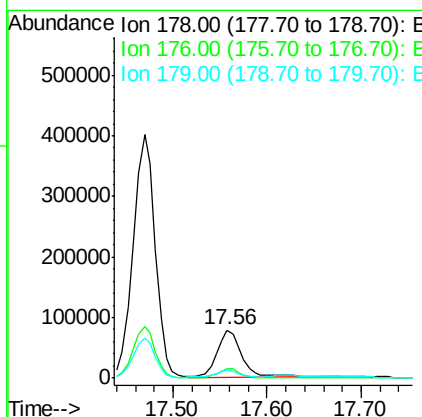
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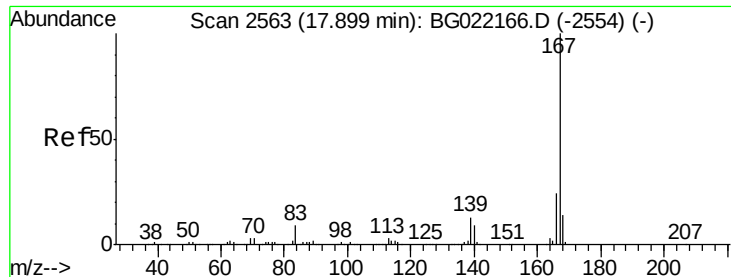
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#71
Anthracene
Concen: 15.28 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.00 min
Lab File: BG022434.D
Acq: 18 Jun 2016 21:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.4
179	16.1	12.2	18.4





#72

Carbazole

Concen: 6.38 ng

RT: 17.84 min Scan# 2553

Delta R.T. 0.00 min

Lab File: BG022434.D

Acq: 18 Jun 2016 21:58

Instrument :

BNA_G

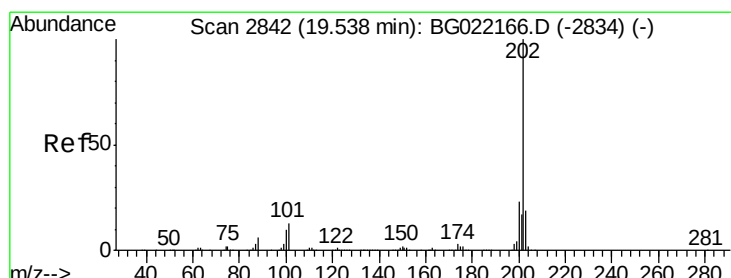
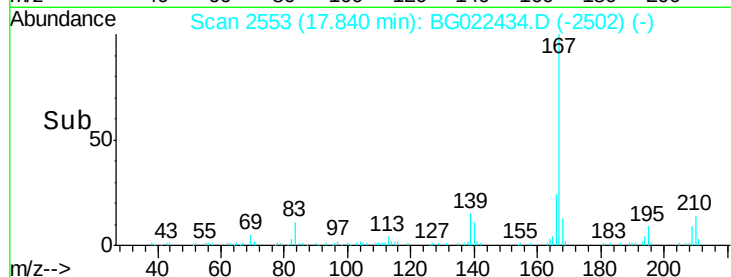
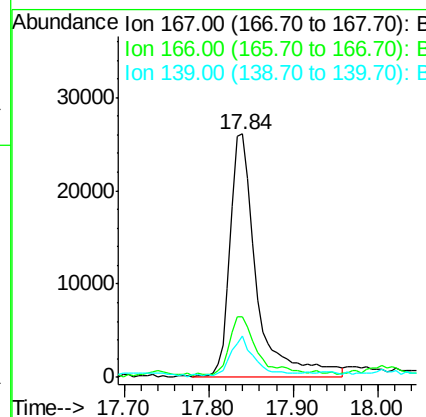
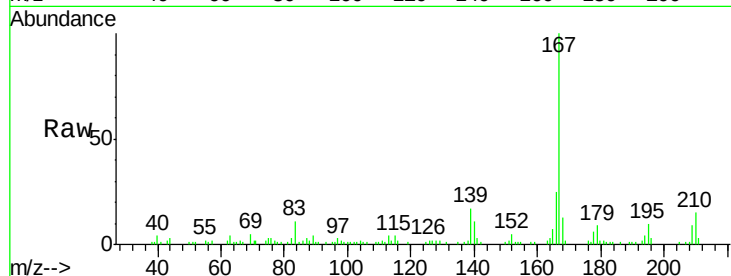
ClientSampleId :

STA-1065-(0-4)

Tot Ion:	167	Resp:	57038
Ion Ratio	Lower	Upper	
167	100		
166	24.9	18.6	27.8
139	16.8	10.6	15.8#

Manual Integrations
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#74

Fluoranthene

Concen: 151.99 ng

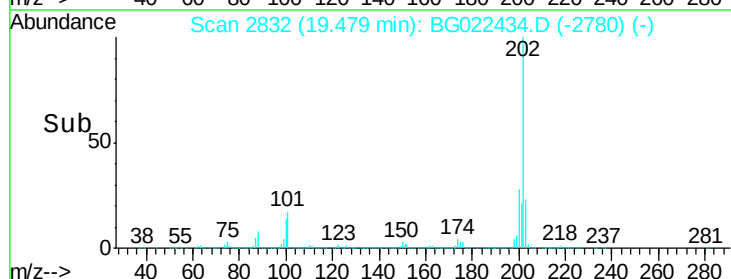
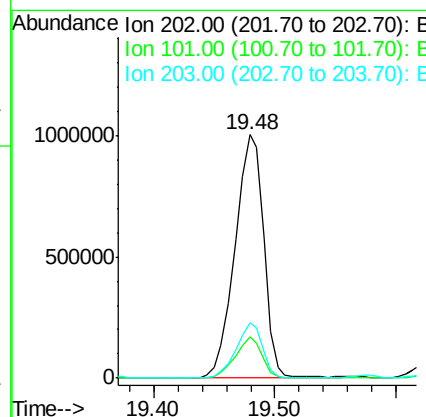
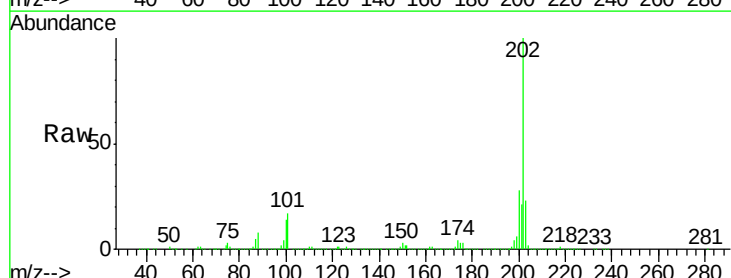
RT: 19.48 min Scan# 2832

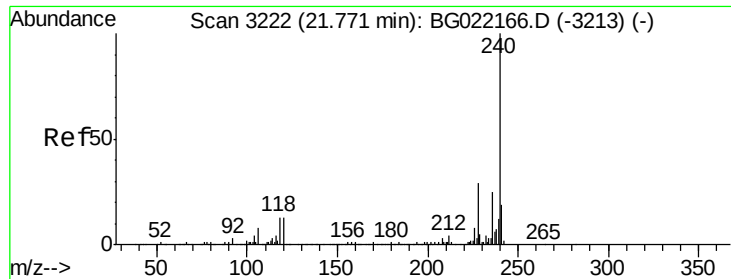
Delta R.T. 0.01 min

Lab File: BG022434.D

Acq: 18 Jun 2016 21:58

Tgt Ion:	202	Resp:	1662382
Ion Ratio	Lower	Upper	
202	100		
101	16.7	0.0	31.0
203	22.8	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.69 min Scan# 3209

Delta R.T. 0.00 min

Lab File: BG022434.D

Acq: 18 Jun 2016 21:58

Instrument :

BNA_G

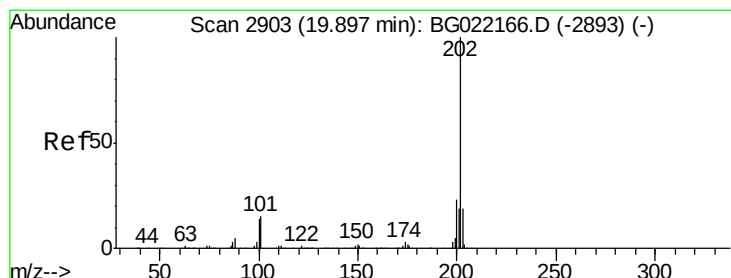
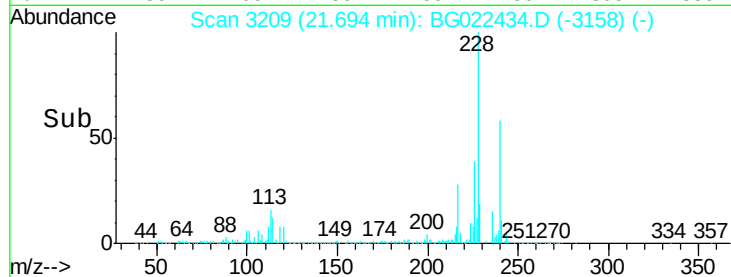
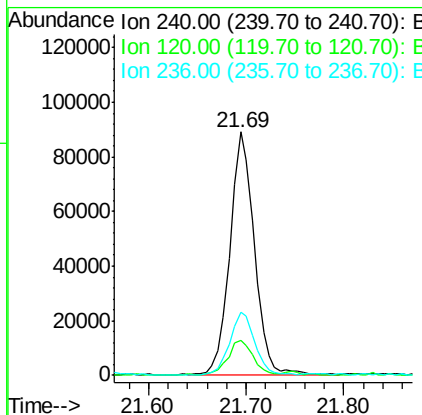
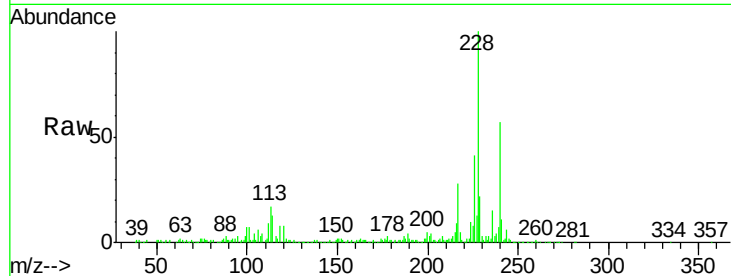
ClientSampleId :

STA-1065-(0-4)

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	14.5	8.4	12.6#
236	26.0	19.6	29.4

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#77

Pyrene

Concen: 150.79 ng

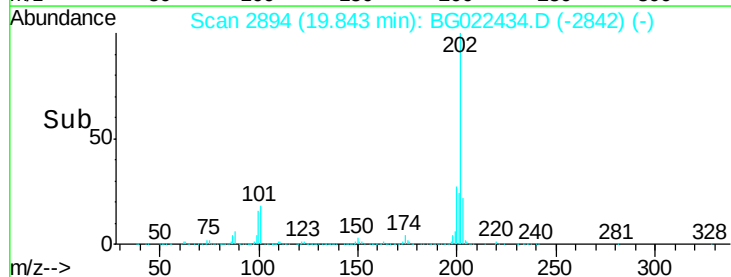
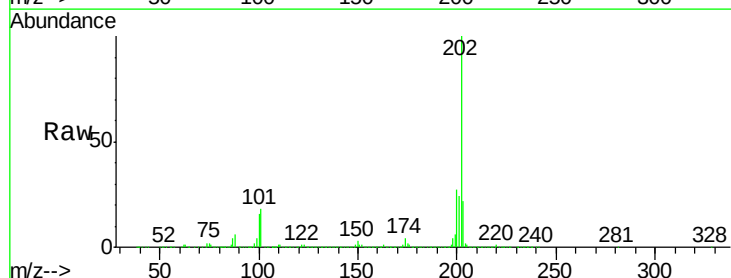
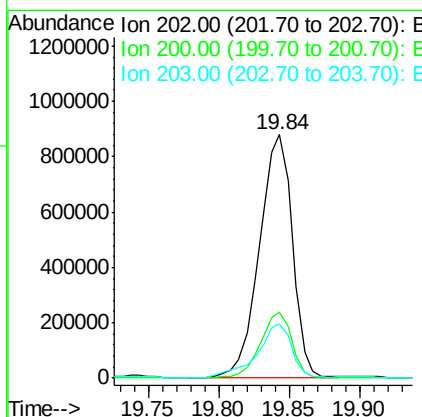
RT: 19.84 min Scan# 2894

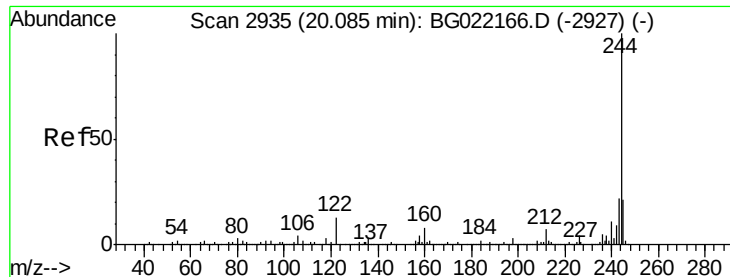
Delta R.T. 0.01 min

Lab File: BG022434.D

Acq: 18 Jun 2016 21:58

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	27.2	18.2	27.2
203	22.5	15.0	22.4#





#78

Terphenyl-d14

Concen: 75.14 ng

RT: 20.02 min Scan# 2924

Delta R.T. -0.00 min

Lab File: BG022434.D

Acq: 18 Jun 2016 21:58

Instrument :

BNA_G

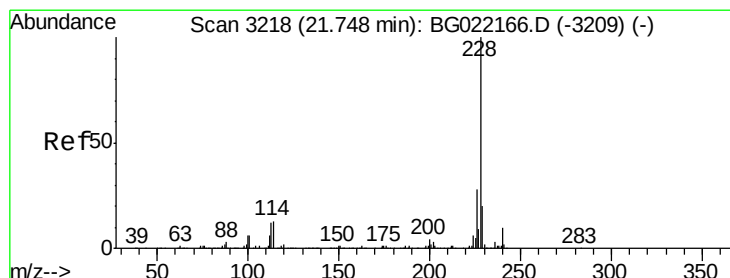
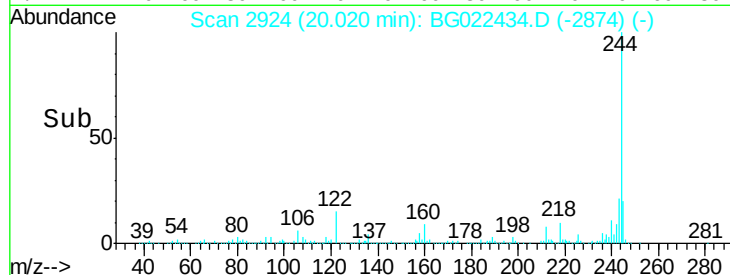
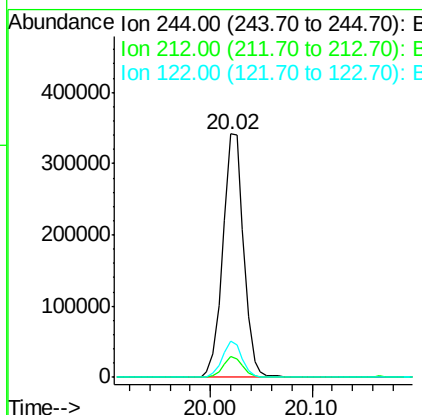
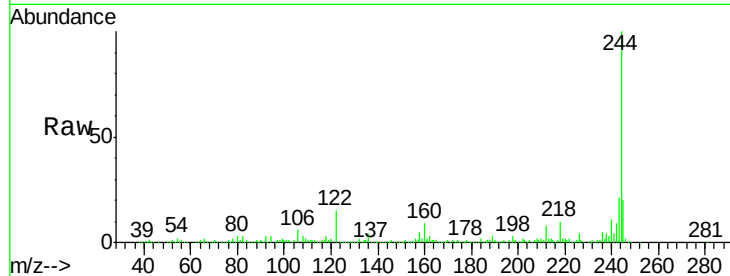
ClientSampleId :

STA-1065-(0-4)

Tot Ion:	244	Resp:	487074
Ion Ratio		Lower	Upper
244	100		
212	8.4	6.5	9.7
122	15.1	8.6	12.8

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 92.01 ng

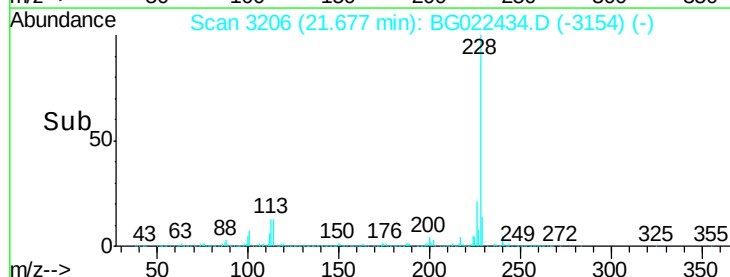
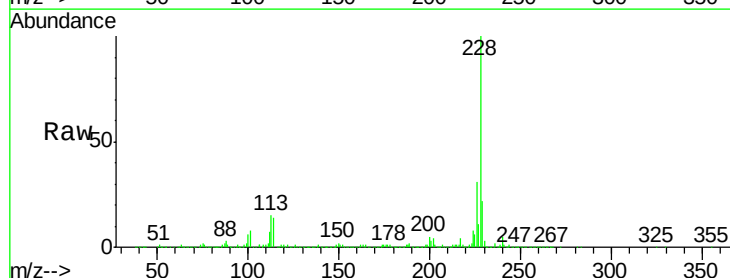
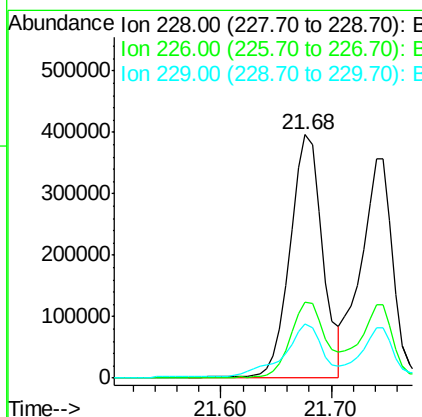
RT: 21.68 min Scan# 3206

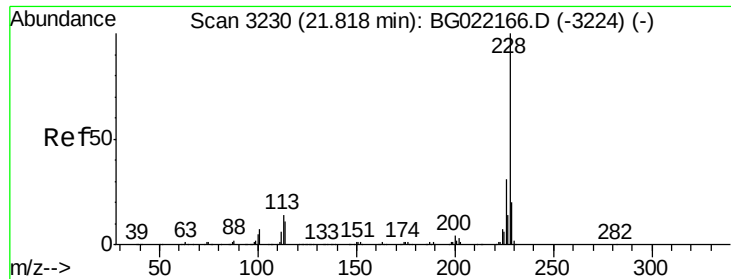
Delta R.T. 0.01 min

Lab File: BG022434.D

Acq: 18 Jun 2016 21:58

Tgt Ion:	228	Resp:	793991
Ion Ratio		Lower	Upper
228	100		
226	31.1	22.6	34.0
229	22.0	16.1	24.1





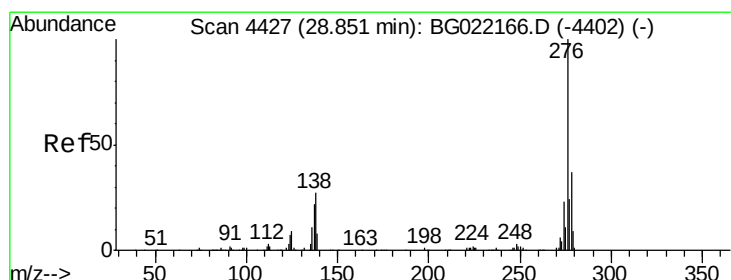
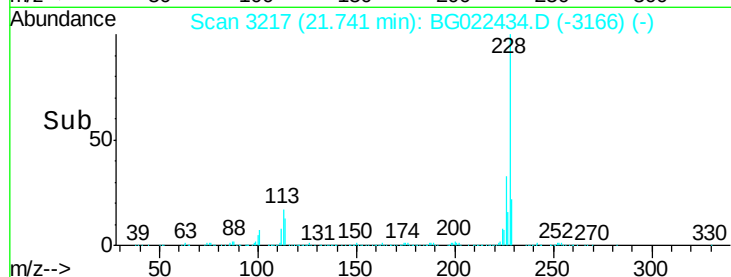
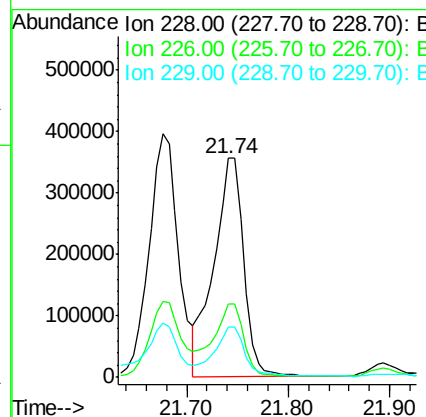
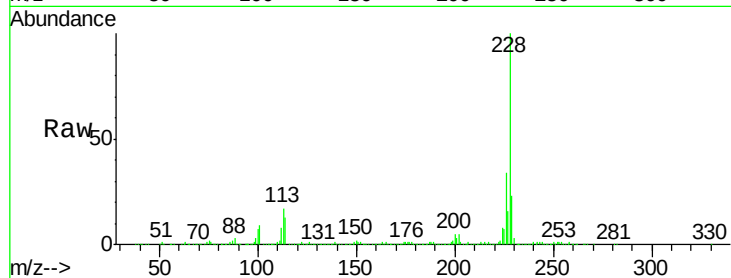
#82
Chrysene
Concen: 86.64 ng
RT: 21.74 min Scan# 3217
Delta R.T. 0.00 min
Lab File: BG022434.D
Acq: 18 Jun 2016 21:58

Instrument :
BNA_G
ClientSampled :
STA-1065-(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.6	25.4	38.0
229	23.1	15.9	23.9

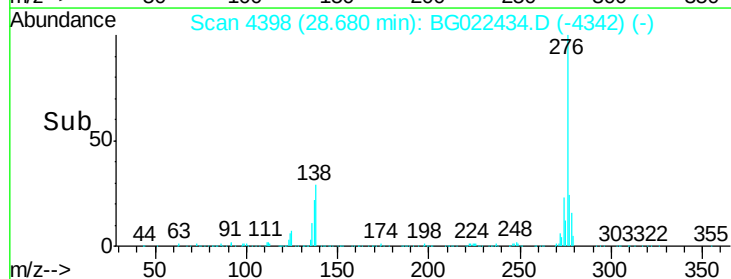
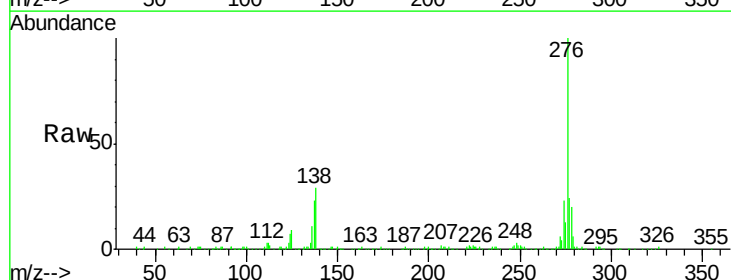
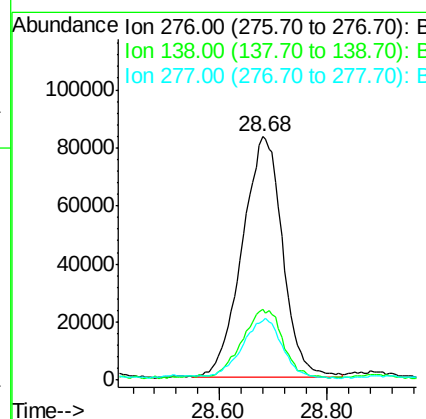
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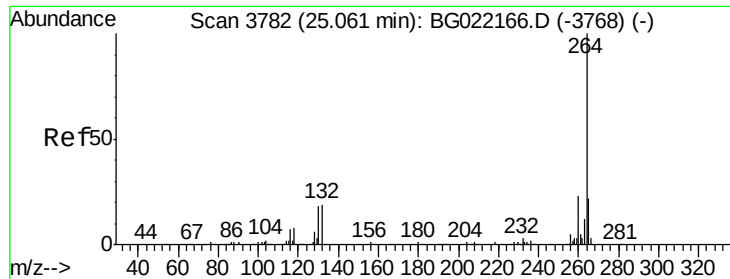
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#85
Indeno(1,2,3-cd)pyrene
Concen: 45.26 ng
RT: 28.68 min Scan# 4398
Delta R.T. 0.03 min
Lab File: BG022434.D
Acq: 18 Jun 2016 21:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.0	14.0	21.0#
277	24.4	20.6	30.8





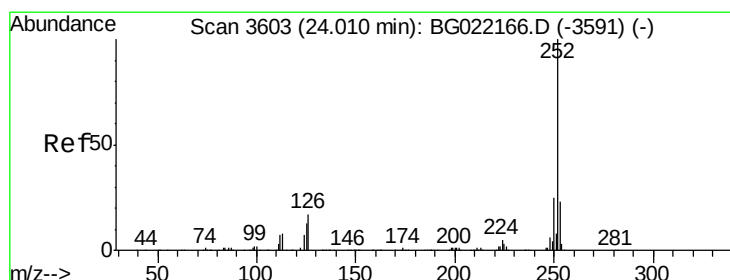
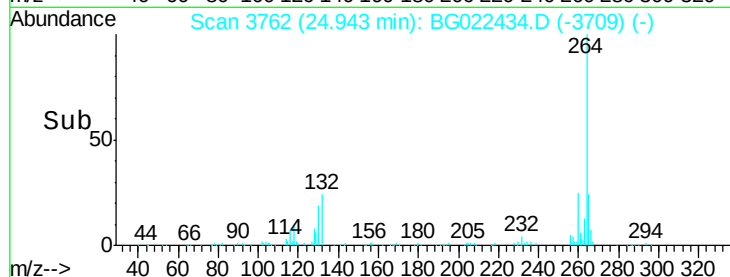
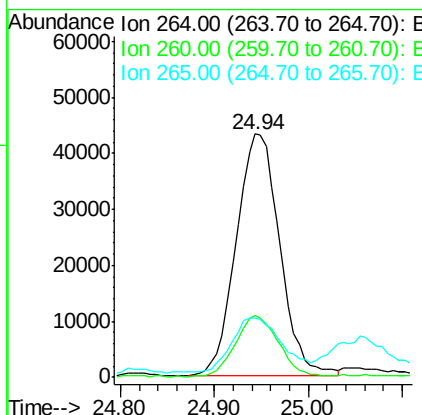
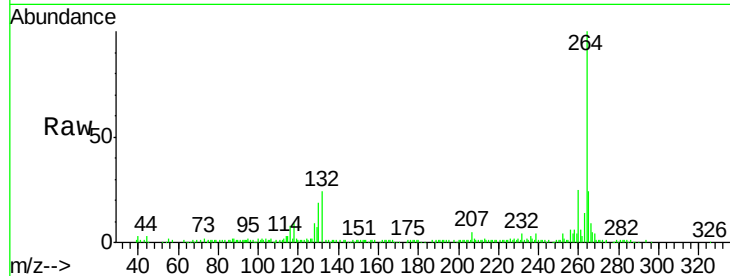
#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.94 min Scan# 3762
Delta R.T. 0.01 min
Lab File: BG022434.D
Acq: 18 Jun 2016 21:58

Instrument :
BNA_G
ClientSampleId :
STA-1065-(0-4)

Tot Ion:	264	Resp:	139397
Ion Ratio		Lower	Upper
264	100		
260	25.2	20.2	30.4
265	24.3	17.8	26.8

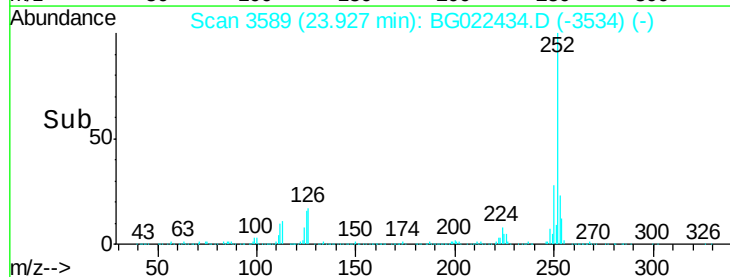
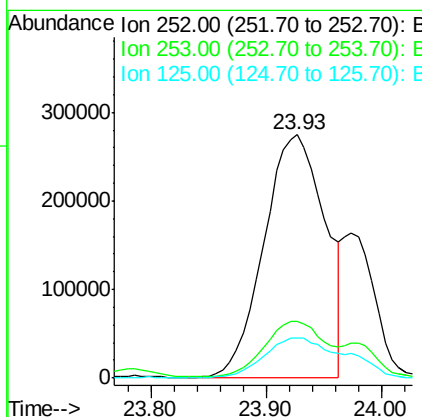
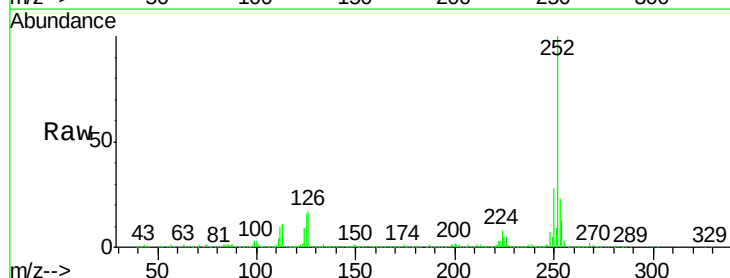
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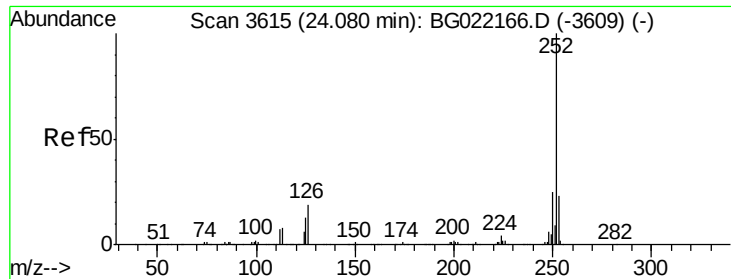
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#87
Benzo(b)fluoranthene
Concen: 124.11 ng
RT: 23.93 min Scan# 3589
Delta R.T. 0.03 min
Lab File: BG022434.D
Acq: 18 Jun 2016 21:58

Tgt Ion:	252	Resp:	1009028
Ion Ratio		Lower	Upper
252	100		
253	23.4	17.5	26.3
125	16.4	8.6	13.0#





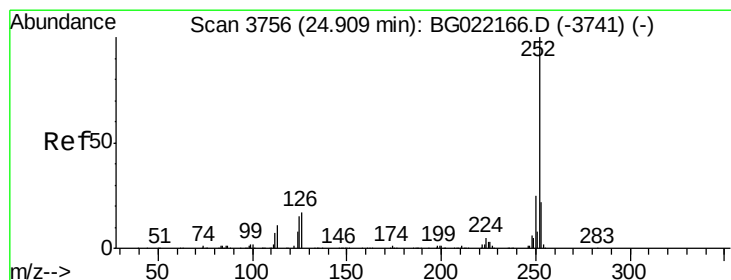
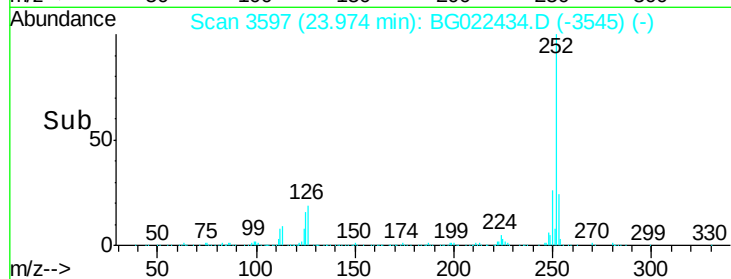
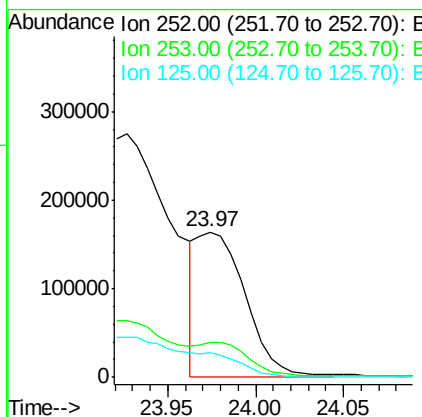
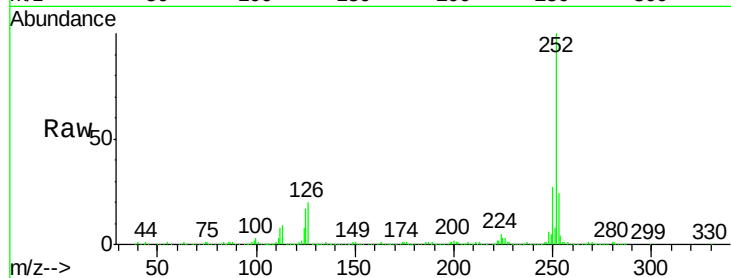
#88
Benzo(k)fluoranthene
Concen: 39.55 ng m
RT: 23.97 min Scan# 3597
Delta R.T. 0.01 min
Lab File: BG022434.D
Acq: 18 Jun 2016 21:58

Instrument :
BNA_G
ClientSampleId :
STA-1065-(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	16.6	8.3	12.5#

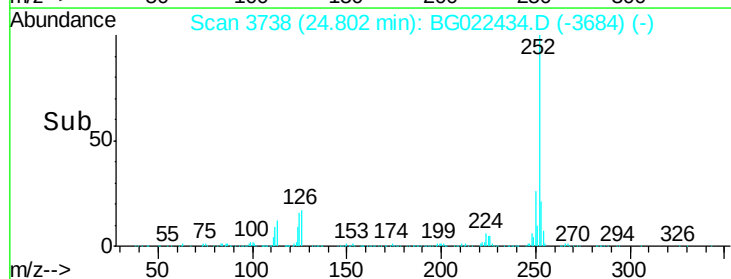
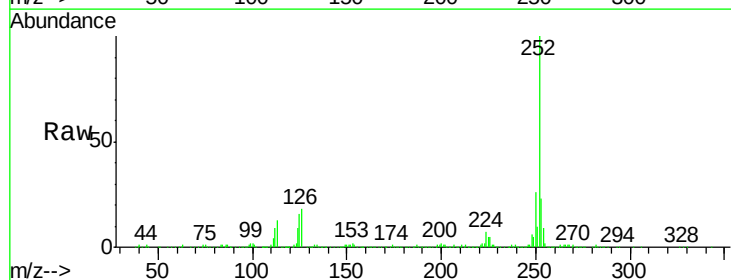
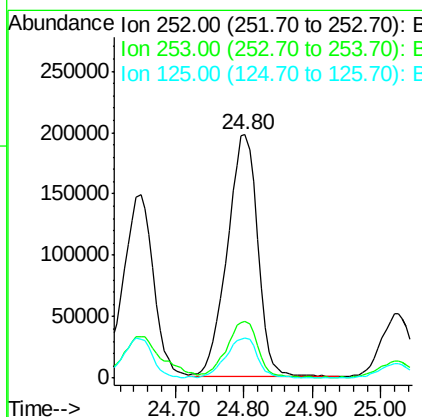
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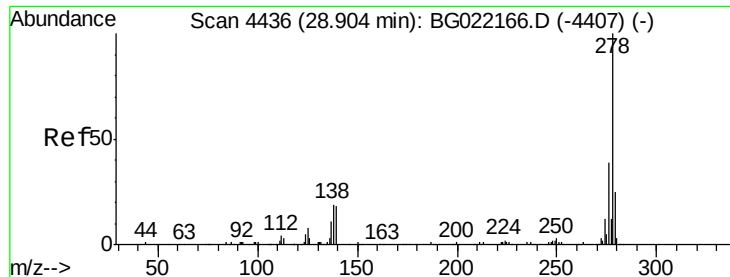
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#89
Benzo(a)pyrene
Concen: 77.55 ng
RT: 24.80 min Scan# 3738
Delta R.T. 0.02 min
Lab File: BG022434.D
Acq: 18 Jun 2016 21:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	16.5	9.6	14.4#





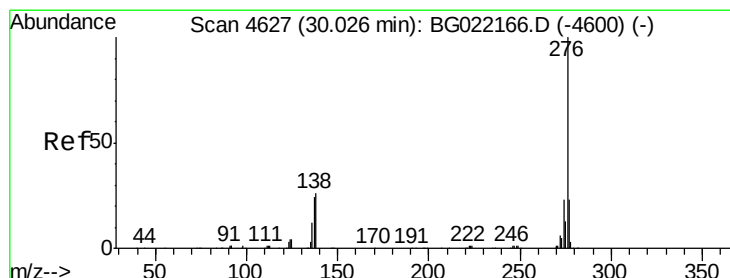
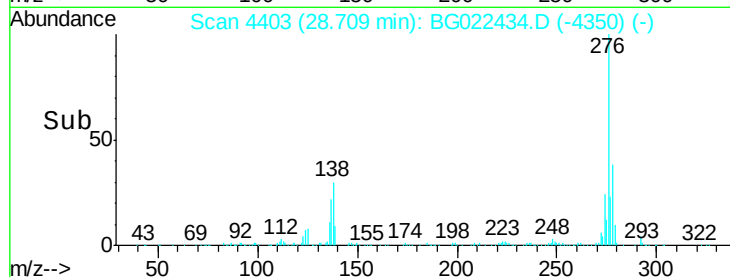
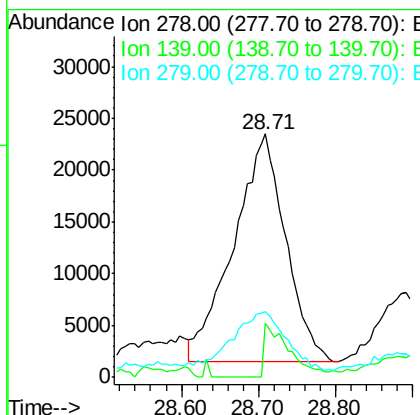
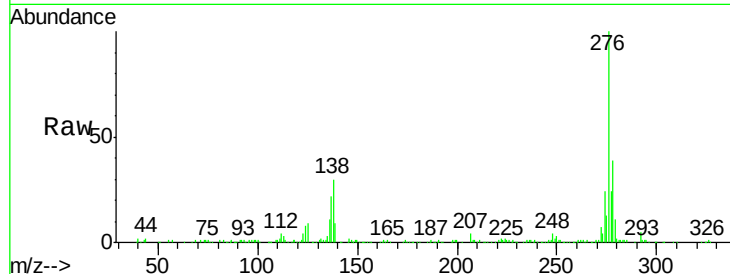
#90
Dibenzo(a,h)anthracene
Concen: 14.09 ng
RT: 28.71 min Scan# 4403
Delta R.T. 0.01 min
Lab File: BG022434.D
Acq: 18 Jun 2016 21:58

Instrument :
BNA_G
ClientSampleId :
STA-1065-(0-4)

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.1	11.9	17.9#
279	27.0	18.2	27.2

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 50.20 ng
RT: 29.86 min Scan# 4598
Delta R.T. 0.04 min
Lab File: BG022434.D
Acq: 18 Jun 2016 21:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.4	29.2
138	30.0	17.4	26.0#

