

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
 Data File : BG022441.D
 Acq On : 19 Jun 2016 2:38
 Operator : UM/SJ
 Sample : H3514-01
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S5-B1(0-5)C

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Quant Time: Jun 20 14:03:17 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	39073	20.00	ng	-0.05
21) Naphthalene-d8	10.86	136	173552	20.00	ng	-0.04
38) Acenaphthene-d10	14.68	164	86558	20.00	ng	-0.04
63) Phenanthrene-d10	17.43	188	154862	20.00	ng	-0.04
75) Chrysene-d12	21.70	240	120861	20.00	ng	-0.04
86) Perylene-d12	24.95	264	91313	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	342043	169.25	ng	-0.03
7) Phenol-d6	7.23	99	481662	151.59	ng	-0.02
23) Nitrobenzene-d5	9.22	82	266961	107.24	ng	-0.04
41) 2,4,6-Tribromophenol	16.18	330	116248	118.86	ng	-0.04
44) 2-Fluorobiphenyl	13.30	172	595659	104.87	ng	-0.04
78) Terphenyl-d14	20.02	244	506121	99.42	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	14.13	163	53095	7.40	ng	97
70) Phenanthrene	17.47	178	29262	3.48	ng	99
74) Fluoranthene	19.48	202	58294	6.03	ng	96
77) Pyrene	19.84	202	55547	7.39	ng	97
80) Benzo(a)anthracene	21.68	228	27821	4.11	ng	# 92
82) Chrysene	21.74	228	31090	4.71	ng	# 95
83) Bis(2-ethylhexyl)phthalate	21.55	149	32049	6.25	ng	99
87) Benzo(b)fluoranthene	23.93	252	27718m	5.20	ng	
88) Benzo(k)fluoranthene	23.96	252	18486m	3.53	ng	

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

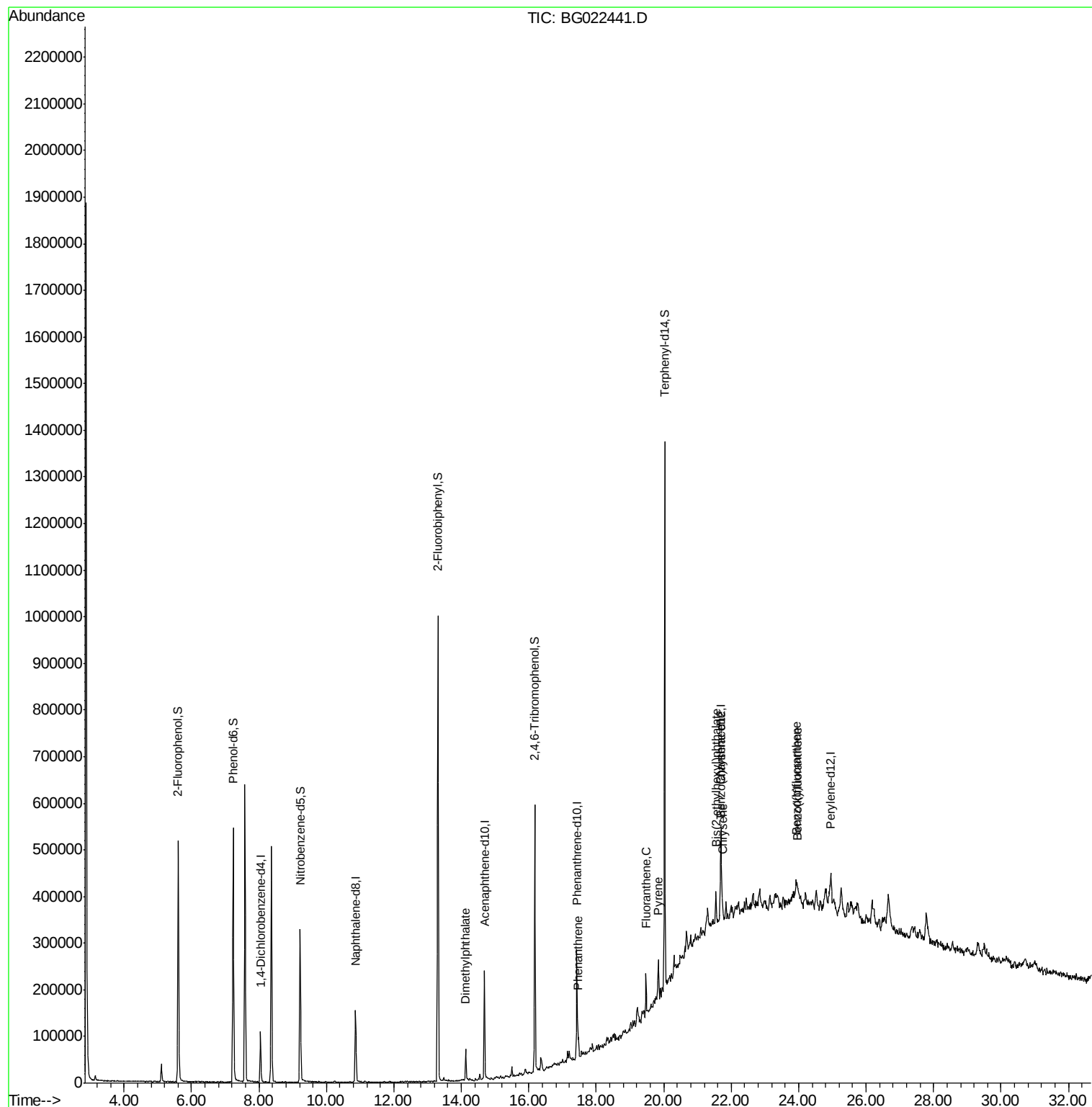
Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022441.D
Acq On : 19 Jun 2016 2:38
Operator : UM/SJ
Sample : H3514-01
Misc :
ALS Vial : 50 Sample Multiplier: 1

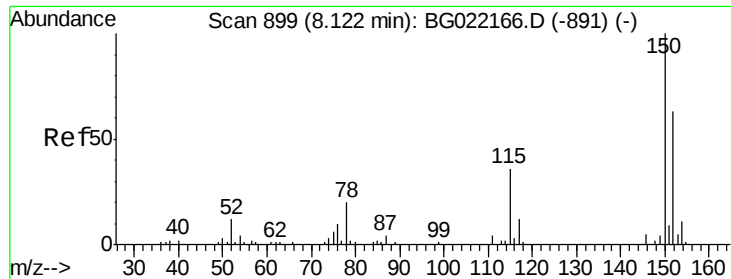
Instrument :
BNA_G
ClientSampleId :
S5-B1(0-5)C

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 886

Delta R.T. -0.05 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Instrument :

BNA_G

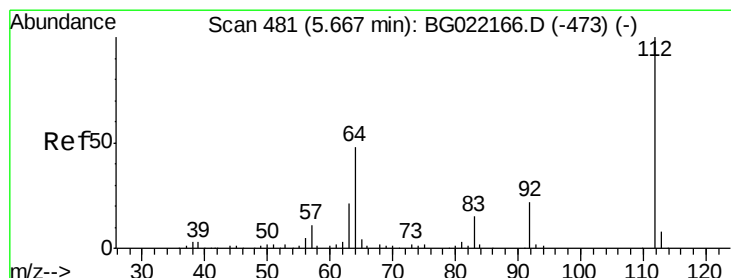
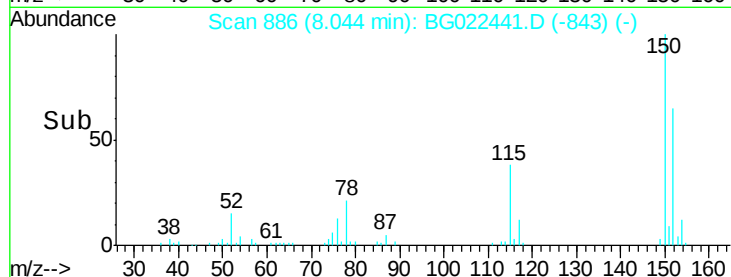
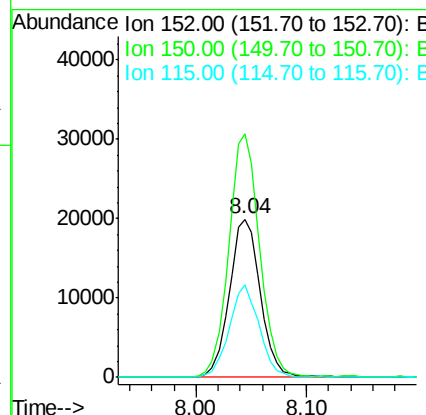
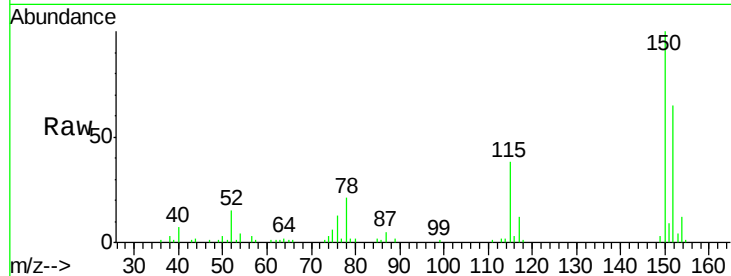
ClientSampleId :

S5-B1(0-5)C

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	130.1	195.1
115	58.3	62.2	93.2

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#5

2-Fluorophenol

Concen: 169.25 ng

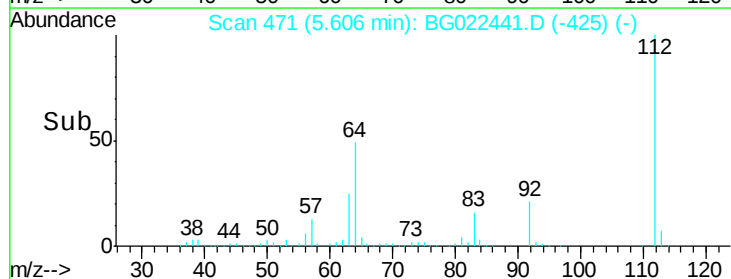
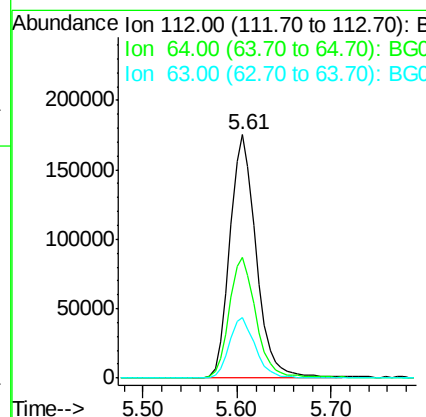
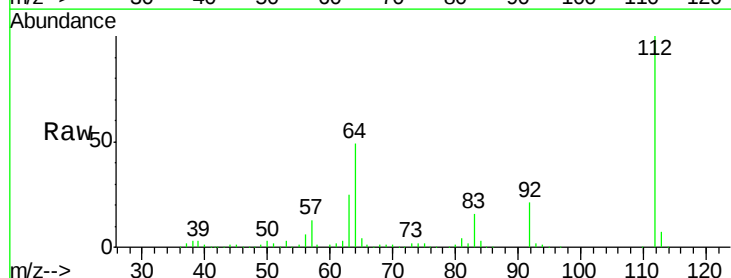
RT: 5.61 min Scan# 471

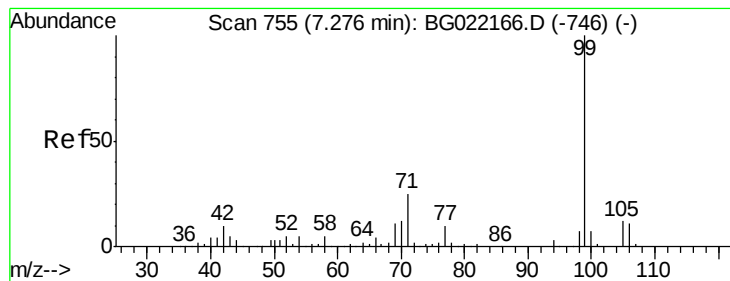
Delta R.T. -0.03 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.3	51.1	76.7
63	24.9	24.6	37.0





#7

Phenol-d6

Concen: 151.59 ng

RT: 7.23 min Scan# 748

Delta R.T. -0.02 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Instrument :

BNA_G

ClientSampleId :

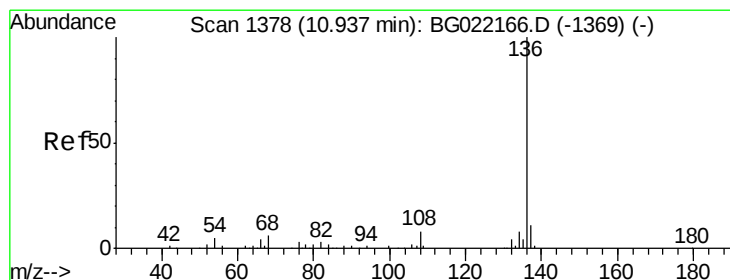
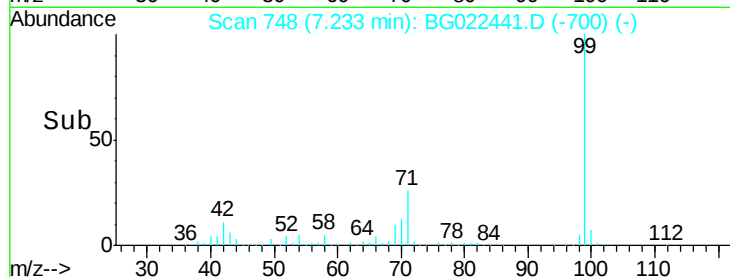
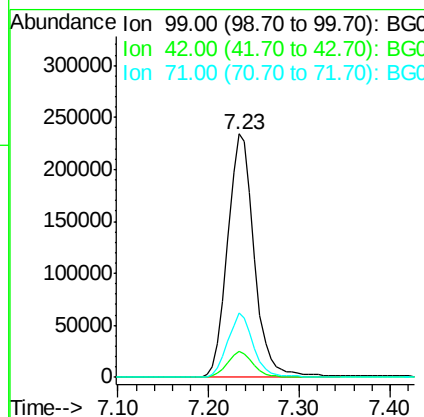
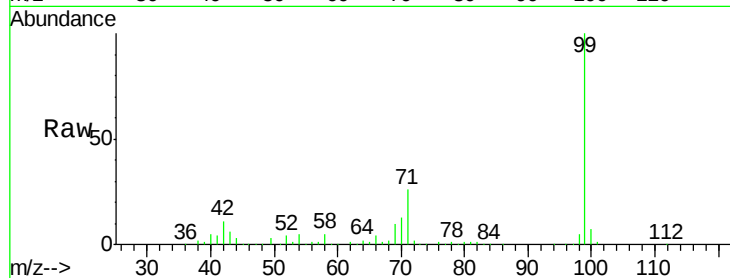
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Tot Ion: 99 Resp: 481662

Ion	Ratio	Lower	Upper
99	100		
42	10.5	16.4	24.6#
71	26.4	25.0	37.4

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.86 min Scan# 1366

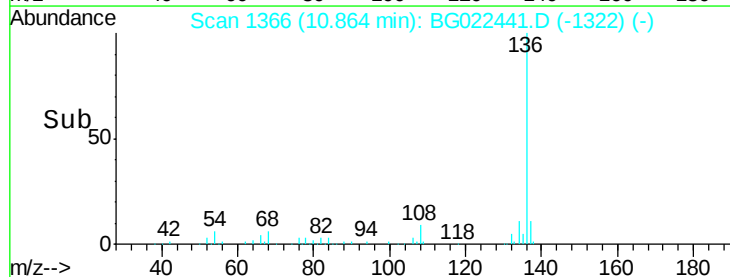
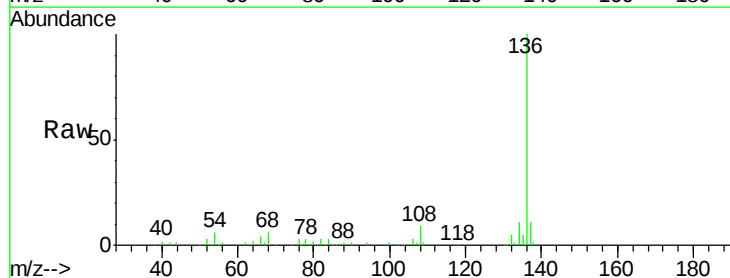
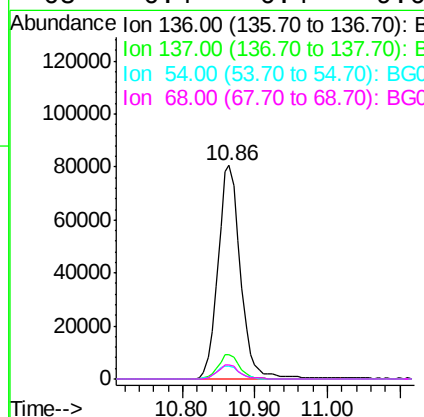
Delta R.T. -0.04 min

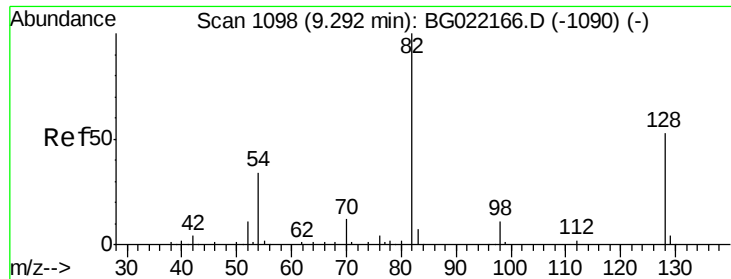
Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Tgt Ion: 136 Resp: 173552

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.1	9.6	14.4#
68	6.4	6.4	9.6#





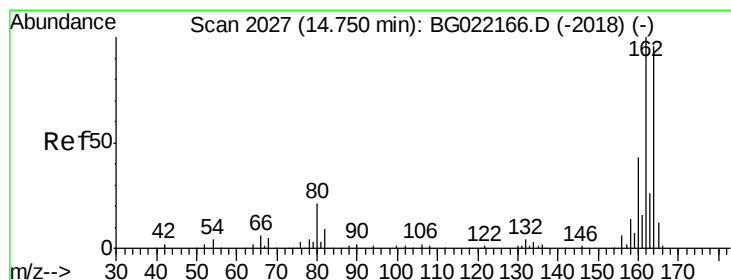
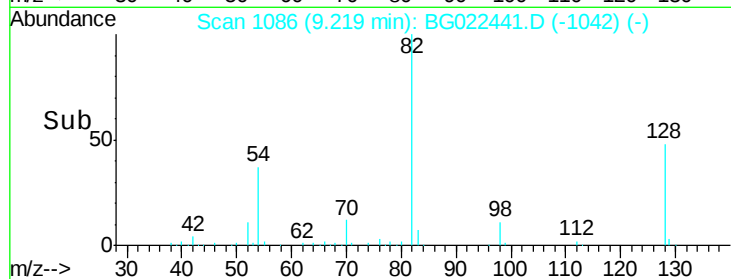
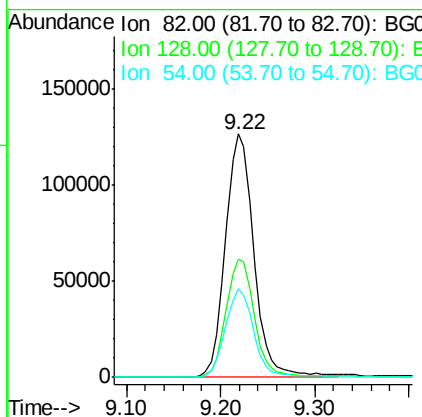
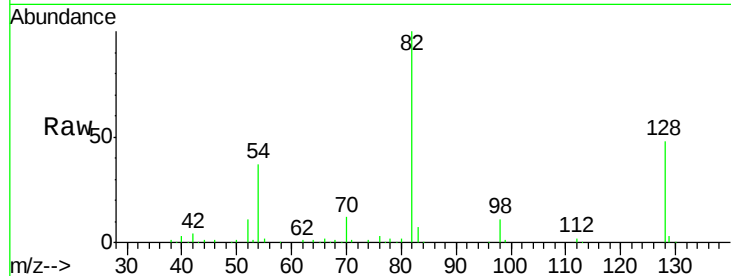
#23
Nitrobenzene-d5
Concen: 107.24 ng
RT: 9.22 min Scan# 1086
Delta R.T. -0.04 min
Lab File: BG022441.D
Acq: 19 Jun 2016 2:38

Instrument :
BNA_G
ClientSampleId :
S5-B1(0-5)C

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.4	33.4	50.0
54	36.7	46.1	69.1#

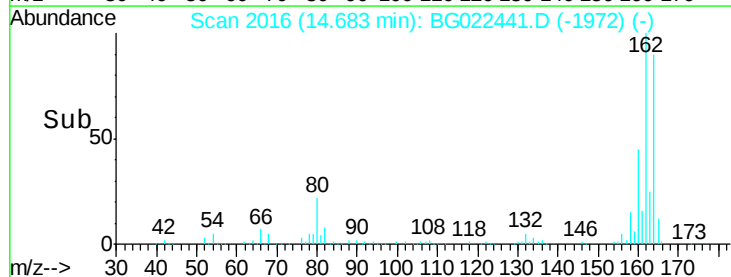
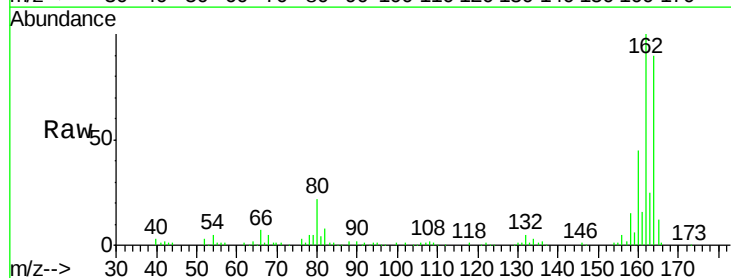
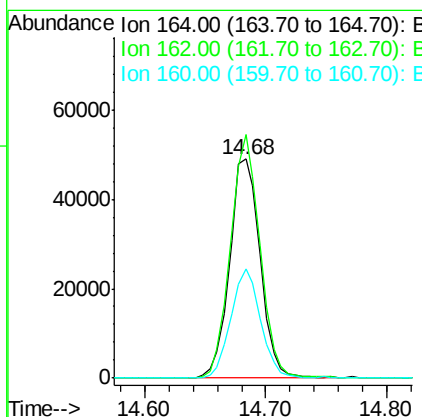
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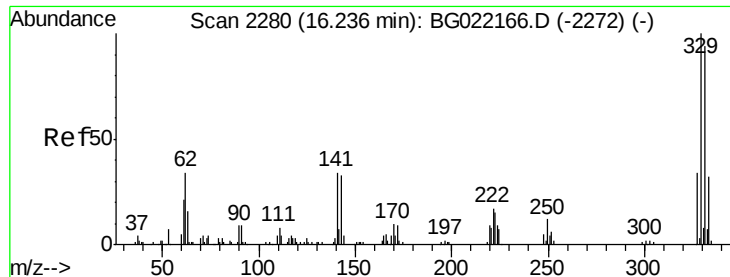
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.68 min Scan# 2016
Delta R.T. -0.04 min
Lab File: BG022441.D
Acq: 19 Jun 2016 2:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	111.1	78.0	117.0
160	49.9	32.9	49.3#





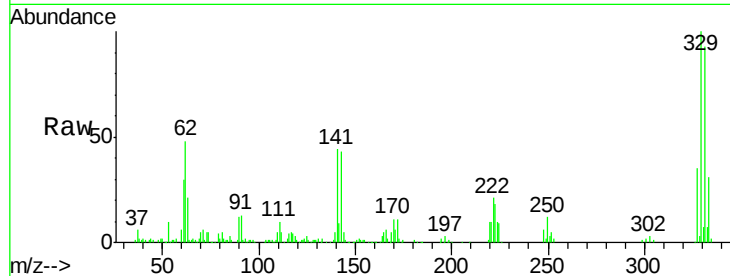
#41
 2,4,6-Tribromophenol
 Concen: 118.86 ng
 RT: 16.18 min Scan# 2270
 Delta R.T. -0.04 min
 Lab File: BG022441.D
 Acq: 19 Jun 2016 2:38

Instrument :
 BNA_G
 ClientSampleId :
 S5-B1(0-5)C

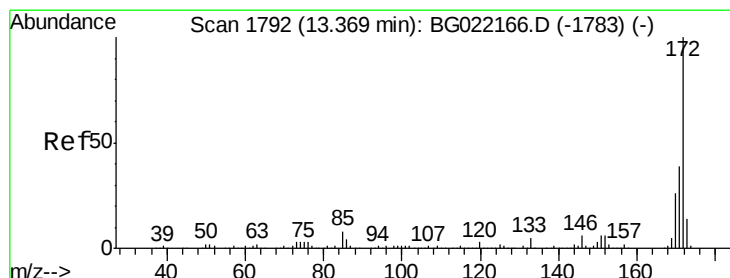
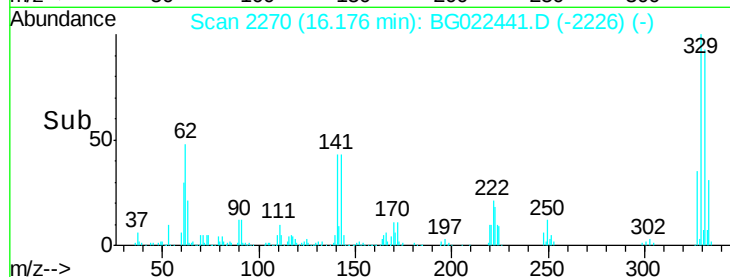
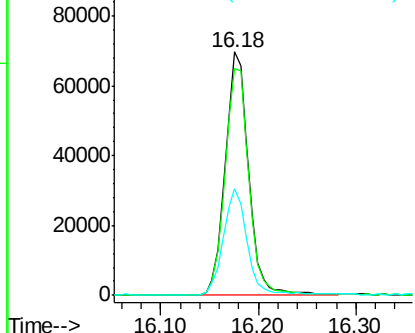
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.8	78.0	117.0	
141	44.8	33.8	50.8	

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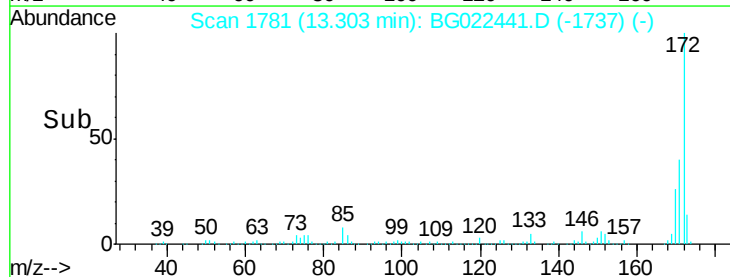
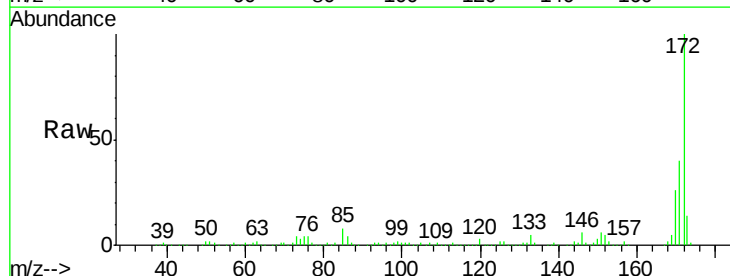
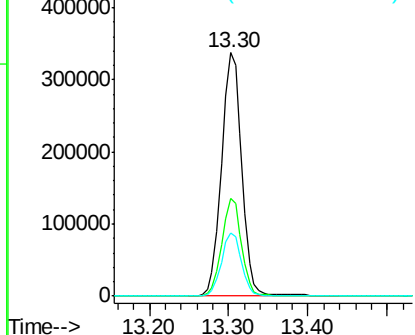
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

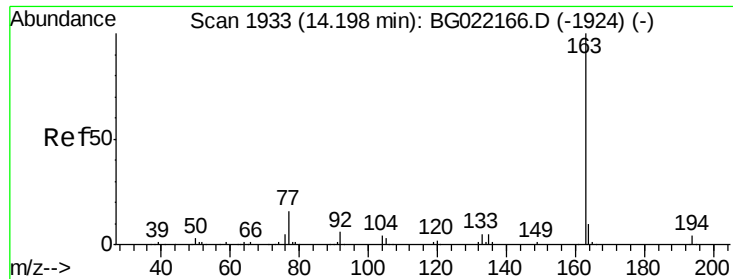


#44
 2-Fluorobiphenyl
 Concen: 104.87 ng
 RT: 13.30 min Scan# 1781
 Delta R.T. -0.04 min
 Lab File: BG022441.D
 Acq: 19 Jun 2016 2:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	39.9	27.8	41.6	
170	26.1	19.6	29.4	

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





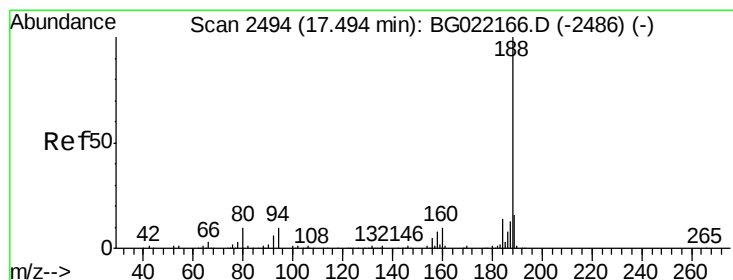
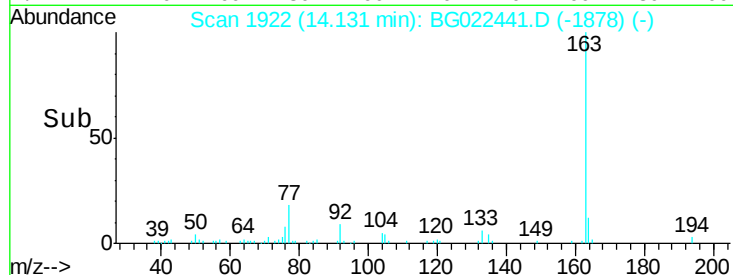
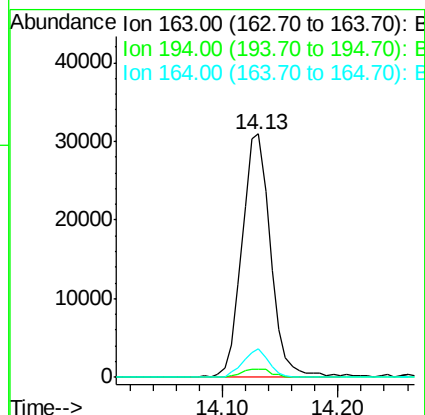
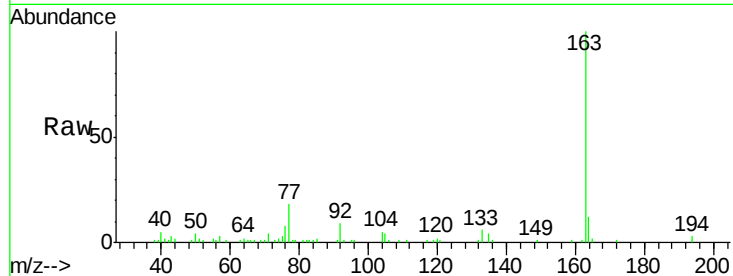
#49
Dimethylphthalate
Concen: 7.40 ng
RT: 14.13 min Scan# 1922
Delta R.T. -0.04 min
Lab File: BG022441.D
Acq: 19 Jun 2016 2:38

Instrument :
BNA_G
ClientSampleId :
S5-B1(0-5)C

Tot Ion	Ratio	Resp	Lower	Upper
163	100	53095		
194	3.5		3.0	4.6
164	11.5		8.1	12.1

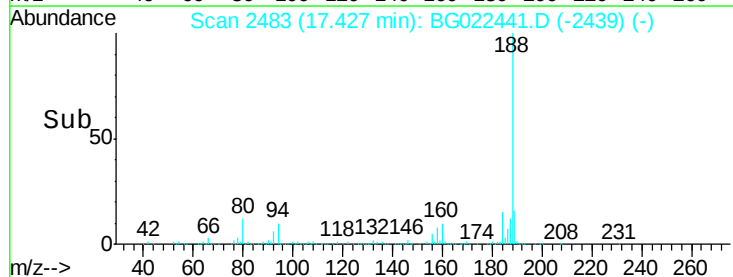
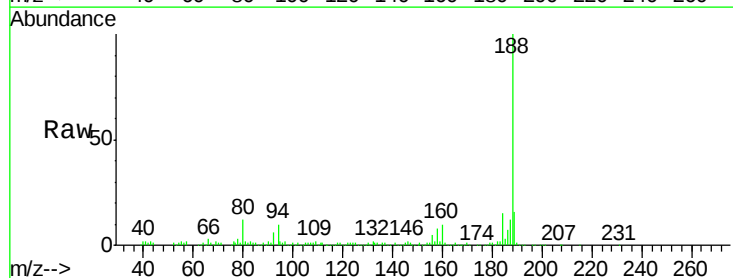
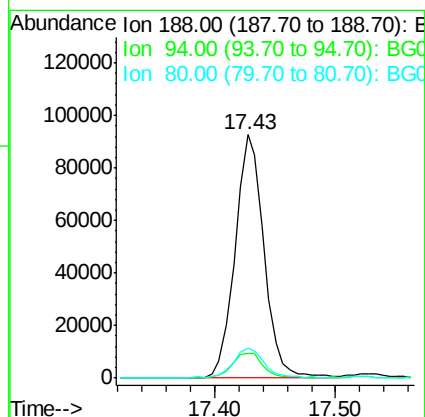
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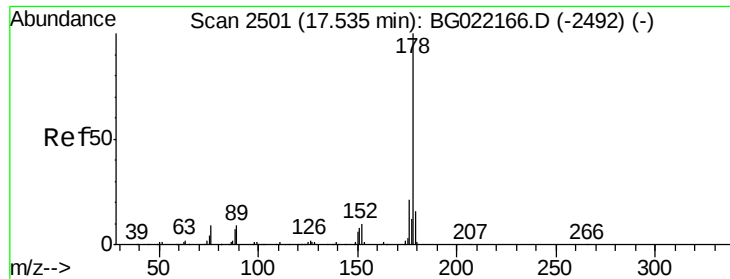
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.43 min Scan# 2483
Delta R.T. -0.04 min
Lab File: BG022441.D
Acq: 19 Jun 2016 2:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	154862		
94	10.4		7.5	11.3
80	12.1		8.6	13.0





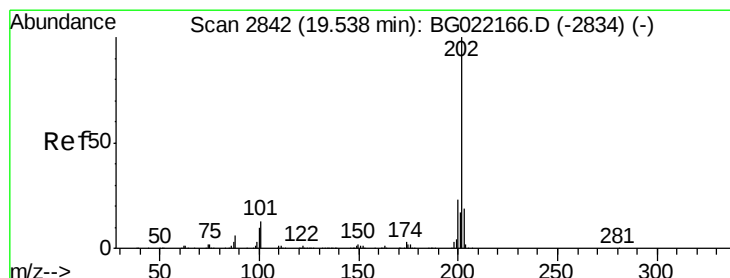
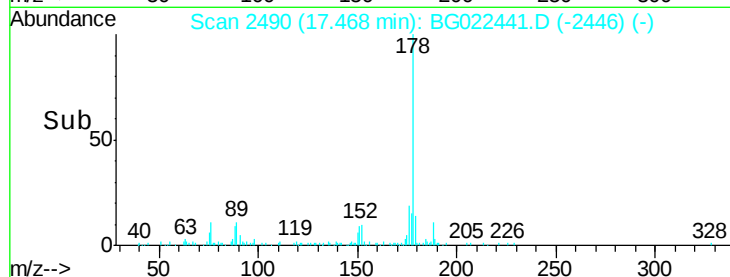
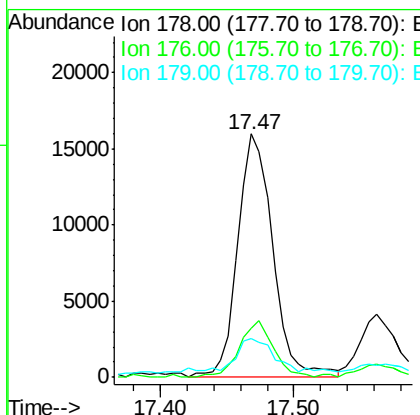
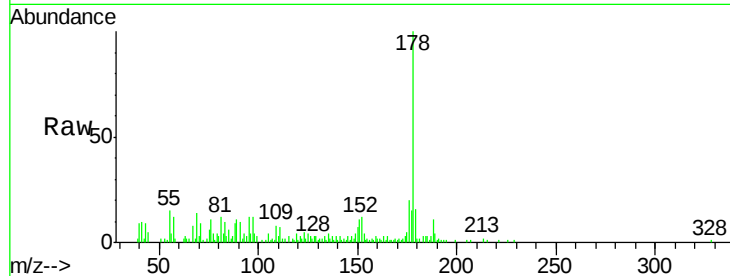
#70
Phenanthrene
Concen: 3.48 ng
RT: 17.47 min Scan# 2490
Delta R.T. -0.04 min
Lab File: BG022441.D
Acq: 19 Jun 2016 2:38

Instrument :
BNA_G
ClientSampleId :
S5-B1(0-5)C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.4
179	15.8	12.0	18.0

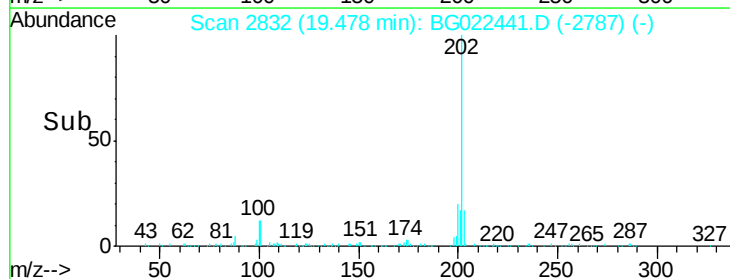
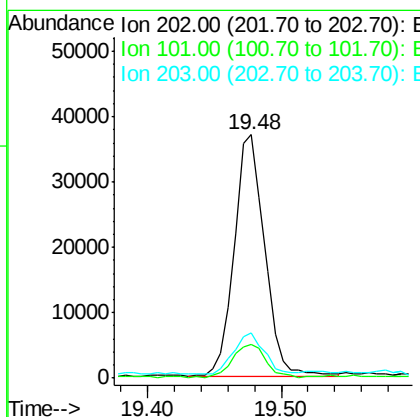
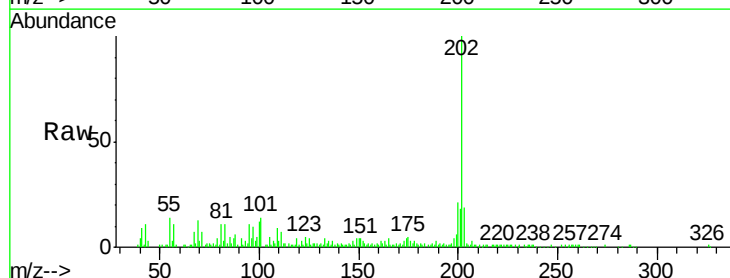
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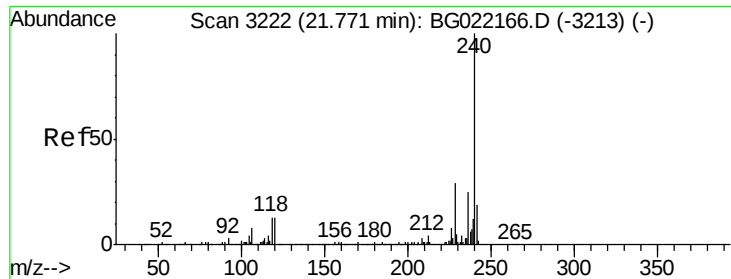
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#74
Fluoranthene
Concen: 6.03 ng
RT: 19.48 min Scan# 2832
Delta R.T. -0.03 min
Lab File: BG022441.D
Acq: 19 Jun 2016 2:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	31.0
203	18.7	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.70 min Scan# 3210

Delta R.T. -0.04 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Instrument :

BNA_G

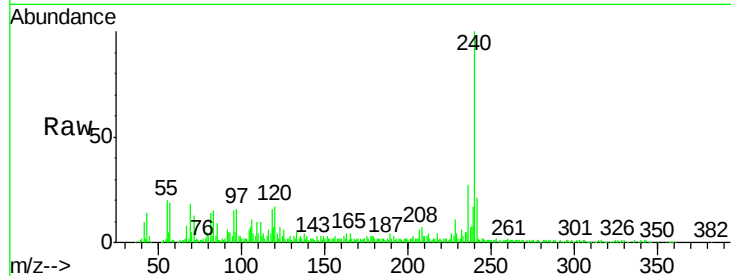
ClientSampleId :

S5-B1(0-5)C

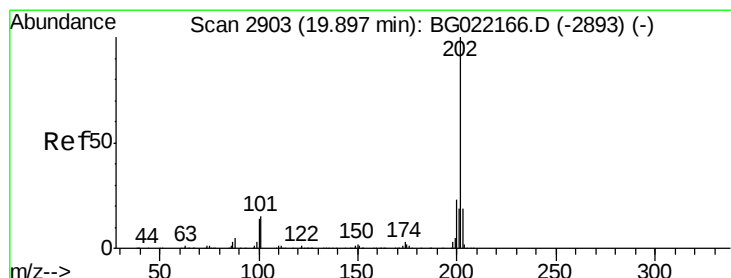
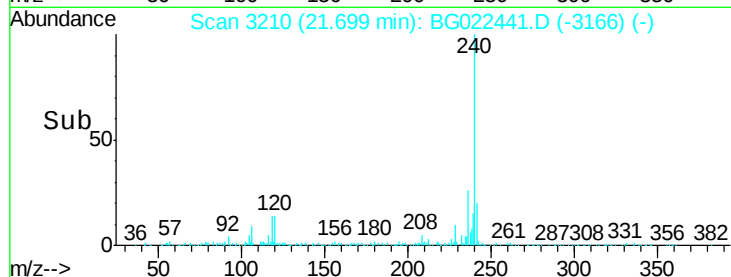
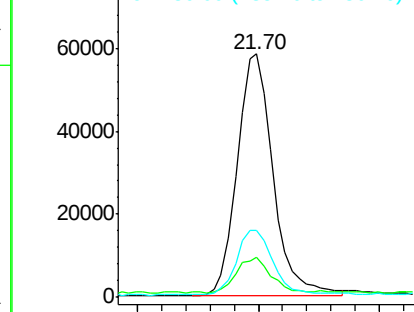
Tot Ion:	240	Resp:	120861
Ion Ratio	Lower	Upper	
240	100		
120	16.5	8.4	12.6#
236	27.3	19.6	29.4

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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

Pyrene

Concen: 7.39 ng

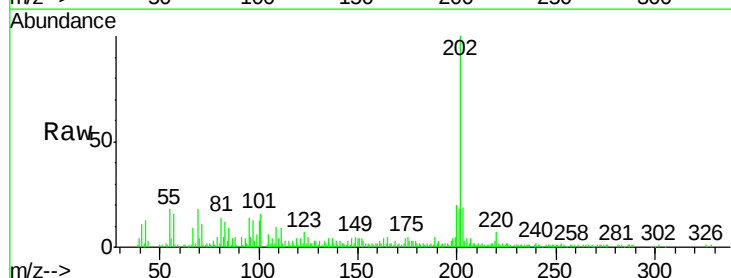
RT: 19.84 min Scan# 2894

Delta R.T. -0.03 min

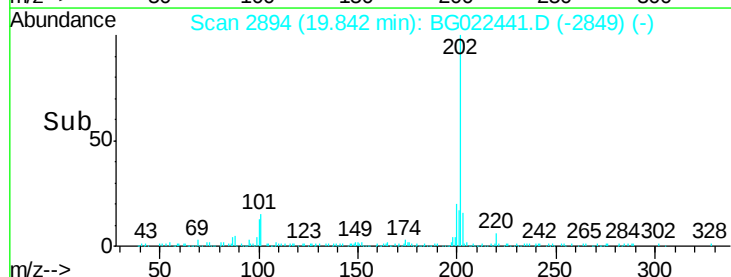
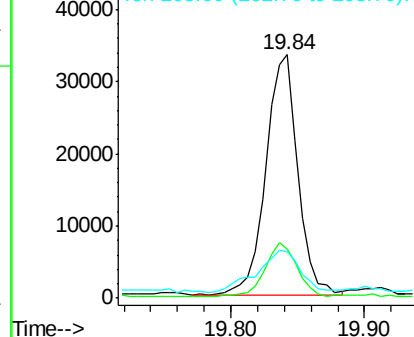
Lab File: BG022441.D

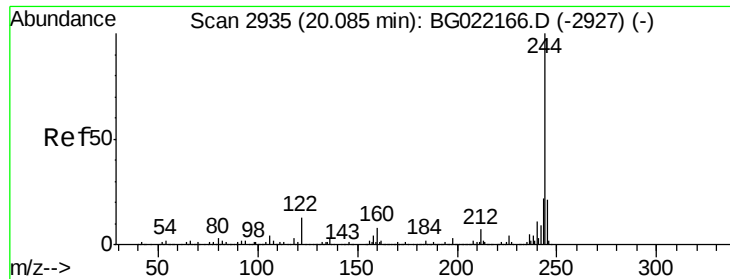
Acq: 19 Jun 2016 2:38

Tgt Ion:	202	Resp:	55547
Ion Ratio	Lower	Upper	
202	100		
200	20.1	18.2	27.2
203	19.2	15.0	22.4



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





#78

Terphenyl-d14

Concen: 99.42 ng

RT: 20.02 min Scan# 2925

Delta R.T. -0.03 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Instrument :

BNA_G

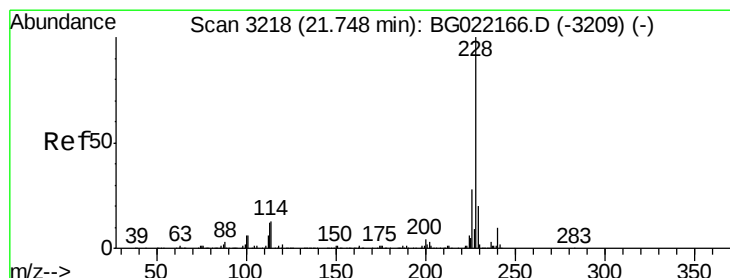
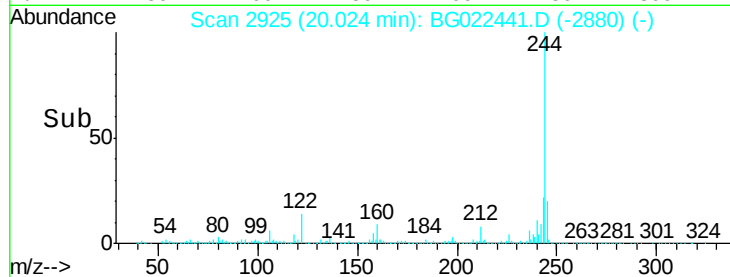
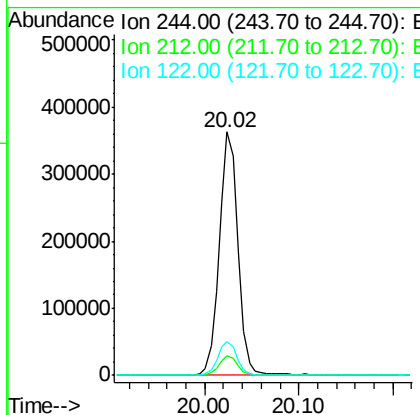
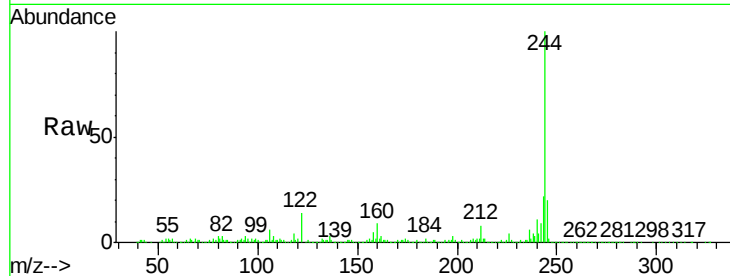
ClientSampleId :

S5-B1(0-5)C

Tot Ion:	244	Resp:	506121
Ion Ratio		Lower	Upper
244	100		
212	8.2	6.5	9.7
122	14.1	8.6	12.8#

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#80

Benzo(a)anthracene

Concen: 4.11 ng

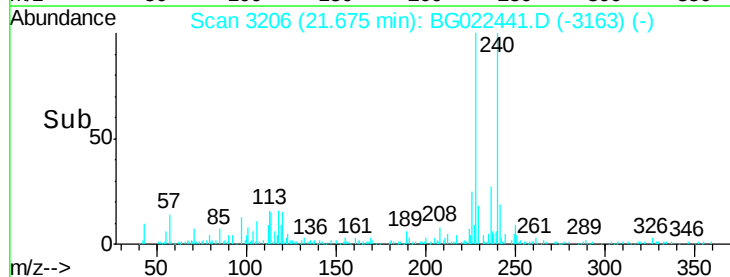
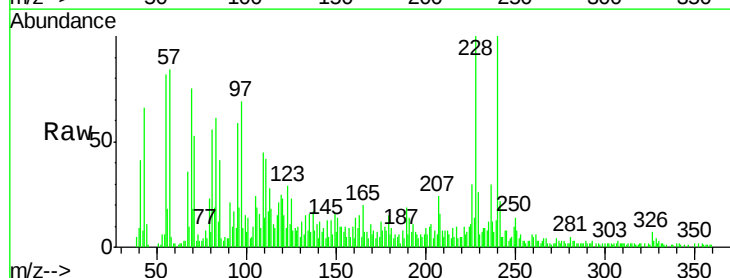
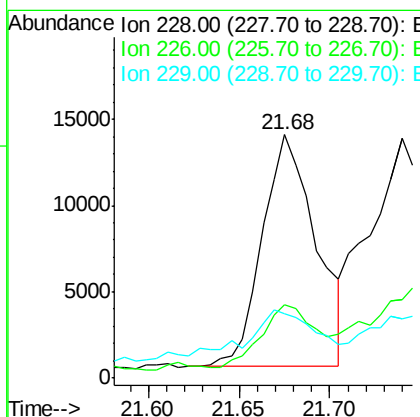
RT: 21.68 min Scan# 3206

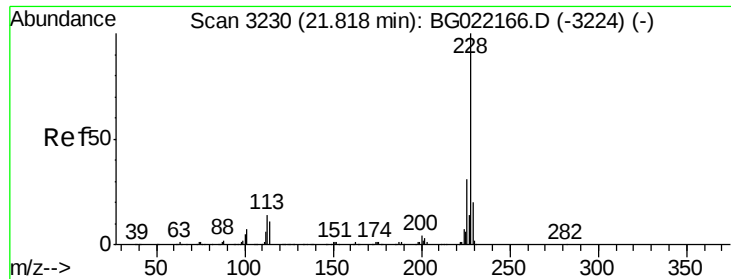
Delta R.T. -0.05 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Tgt Ion:	228	Resp:	27821
Ion Ratio		Lower	Upper
228	100		
226	30.1	22.6	34.0
229	26.2	16.1	24.1#





#82

Chrysene

Concen: 4.71 ng

RT: 21.74 min Scan# 3217

Delta R.T. -0.05 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Instrument :

BNA_G

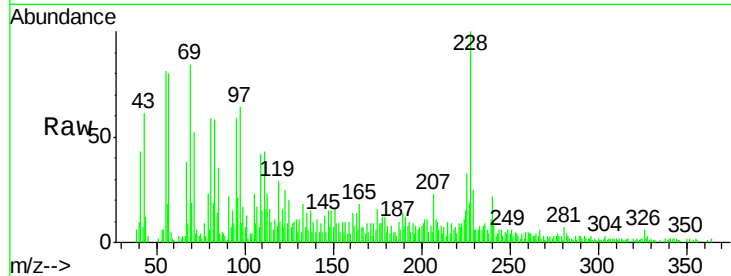
ClientSampleId :

S5-B1(0-5)C

Tot Ion:	228	Resp:	31090
Ion Ratio	Lower	Upper	
228	100		
226	32.8	25.4	38.0
229	24.5	15.9	23.9#

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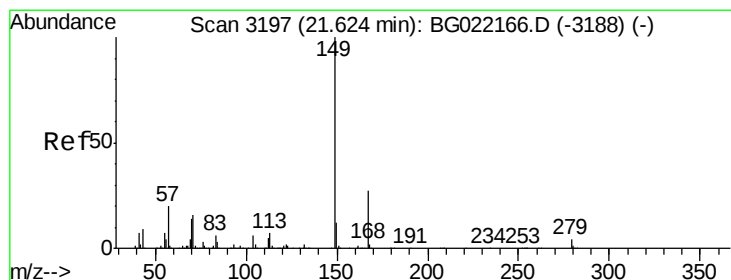
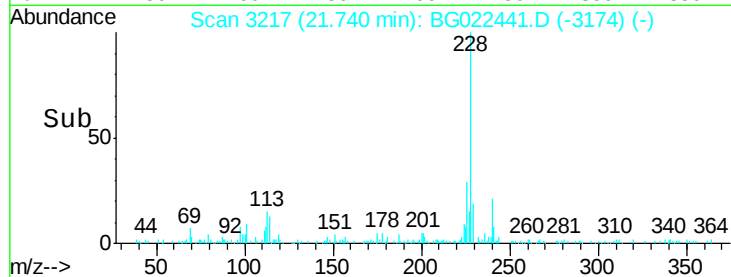
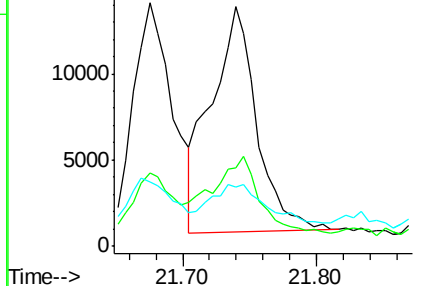
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.25 ng

RT: 21.55 min Scan# 3184

Delta R.T. -0.05 min

Lab File: BG022441.D

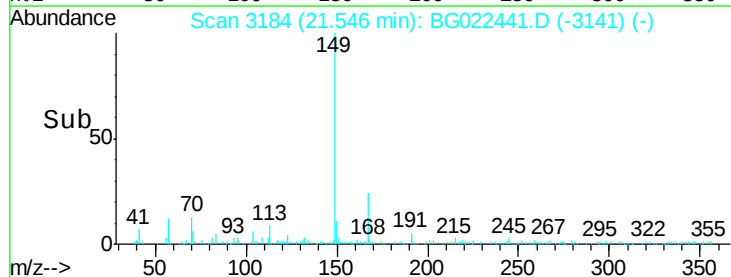
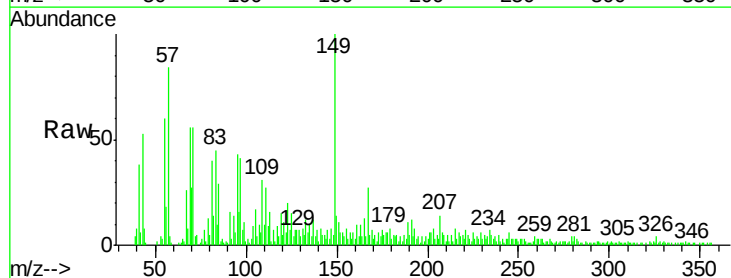
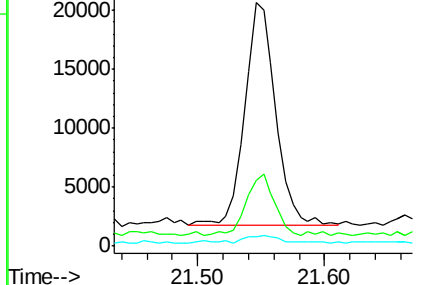
Acq: 19 Jun 2016 2:38

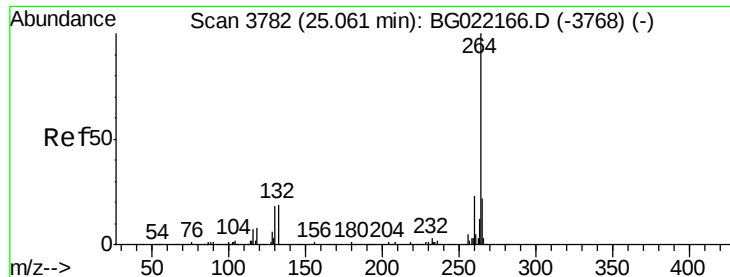
Tgt Ion:	149	Resp:	32049
Ion Ratio	Lower	Upper	
149	100		
167	27.2	22.4	33.6
279	3.8	3.2	4.8

Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 24.95 min Scan# 3764

Delta R.T. -0.06 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Instrument :

BNA_G

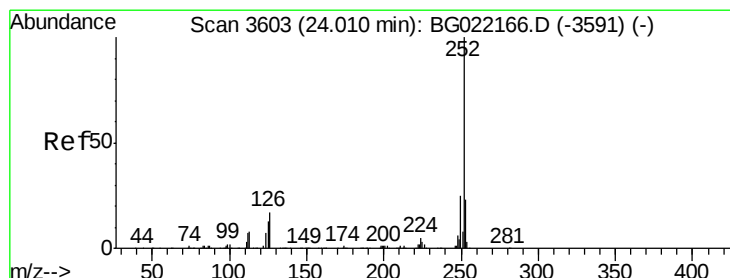
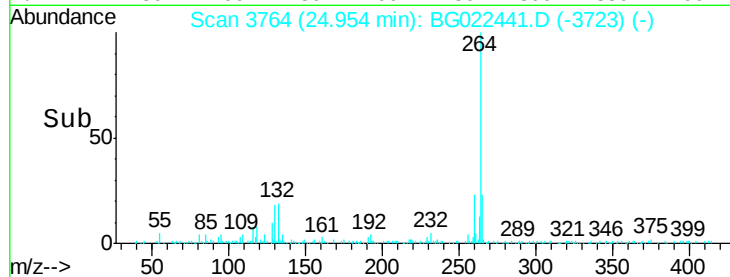
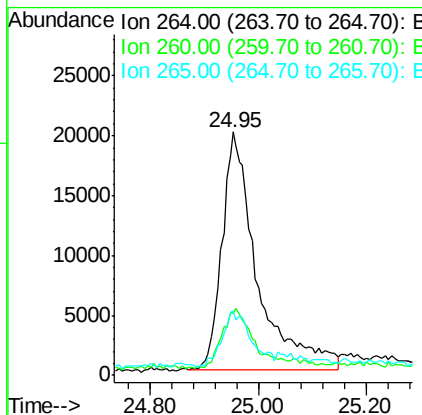
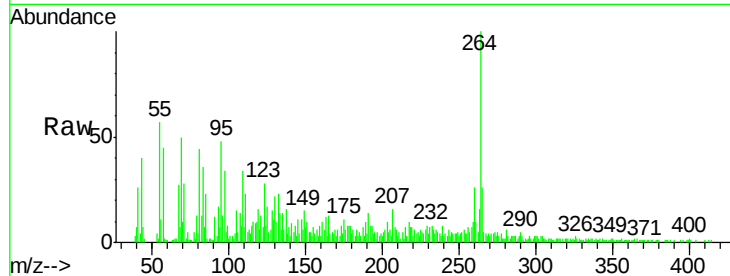
ClientSampled :

S5-B1(0-5)C

Tot Ion:	264	Resp:	91313
Ion Ratio	Lower	Upper	
264	100		
260	25.7	20.2	30.4
265	26.4	17.8	26.8

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#87

Benzo(b)fluoranthene

Concen: 5.20 ng m

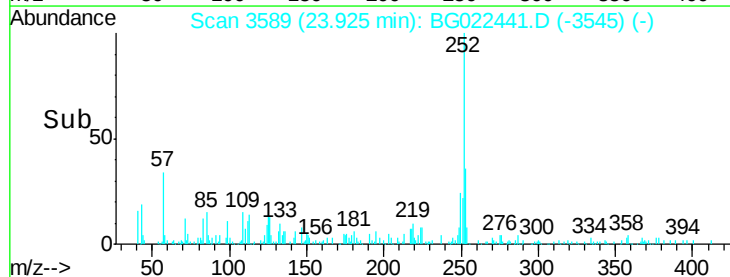
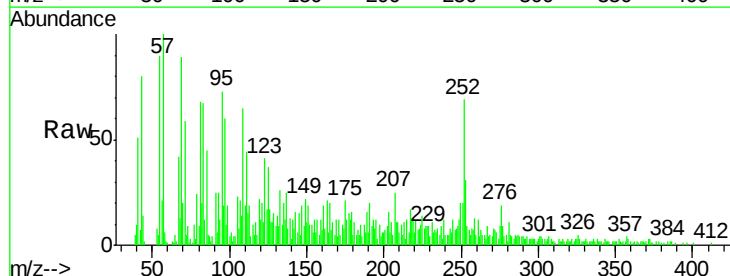
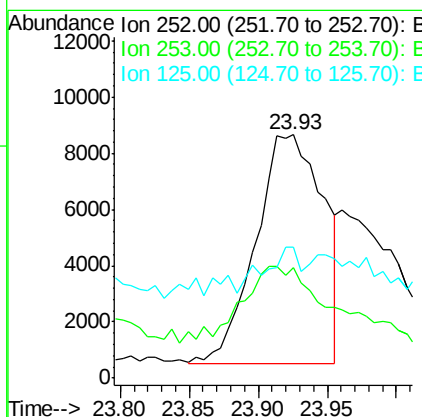
RT: 23.93 min Scan# 3589

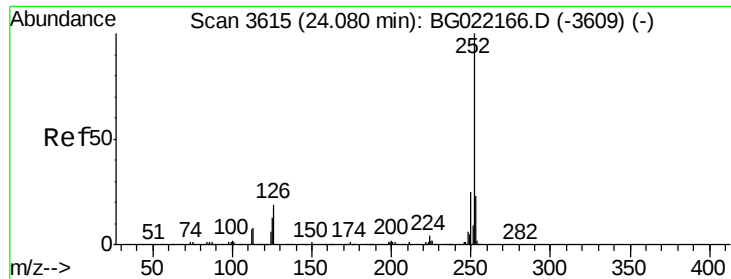
Delta R.T. -0.04 min

Lab File: BG022441.D

Acq: 19 Jun 2016 2:38

Tgt Ion:	252	Resp:	27718
Ion Ratio	Lower	Upper	
252	100		
253	45.3	17.5	26.3#
125	54.0	8.6	13.0#





#88
 Benzo(k)fluoranthene
 Concen: 3.53 ng m
 RT: 23.96 min Scan# 3595
 Delta R.T. -0.08 min
 Lab File: BG022441.D
 Acq: 19 Jun 2016 2:38

Instrument :
 BNA_G
 ClientSampleId :
 S5-B1(0-5)C

Tot Ion	Ratio	Lower	Upper
252	100		
253	40.6	17.8	26.8#
125	66.8	8.3	12.5#

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