

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
 Data File : BG021789.D
 Acq On : 20 Apr 2016 17:43
 Operator : UM/SJ
 Sample : H2413-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-E-5(0-2)

Manual Integrations
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Sohil
 4/21/2016 10:37:59 AM

Quant Time: Apr 21 02:39:28 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	50201	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	214234	20.00	ng	0.00
38) Acenaphthene-d10	14.83	164	120367	20.00	ng	0.00
63) Phenanthrene-d10	17.57	188	242869	20.00	ng	0.00
75) Chrysene-d12	21.84	240	269124	20.00	ng	0.00
86) Perylene-d12	25.19	264	182244	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	297458	98.67	ng	0.00
7) Phenol-d6	7.38	99	437125	97.07	ng	0.02
23) Nitrobenzene-d5	9.39	82	271431	65.12	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	136265	105.04	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	516151	62.83	ng	0.00
78) Terphenyl-d14	20.14	244	556902	51.63	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.26	163	52814	5.07	ng	98
70) Phenanthrene	17.61	178	55276	4.13	ng	98
74) Fluoranthene	19.60	202	149692	9.37	ng	99
77) Pyrene	19.96	202	150647	9.71	ng	98
80) Benzo(a)anthracene	21.82	228	86481	5.58	ng	99
82) Chrysene	21.88	228	88764m	5.97	ng	
87) Benzo(b)fluoranthene	24.12	252	67944	6.43	ng	# 87
88) Benzo(k)fluoranthene	24.16	252	61839m	5.98	ng	
89) Benzo(a)pyrene	25.03	252	55423	5.41	ng	# 91

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

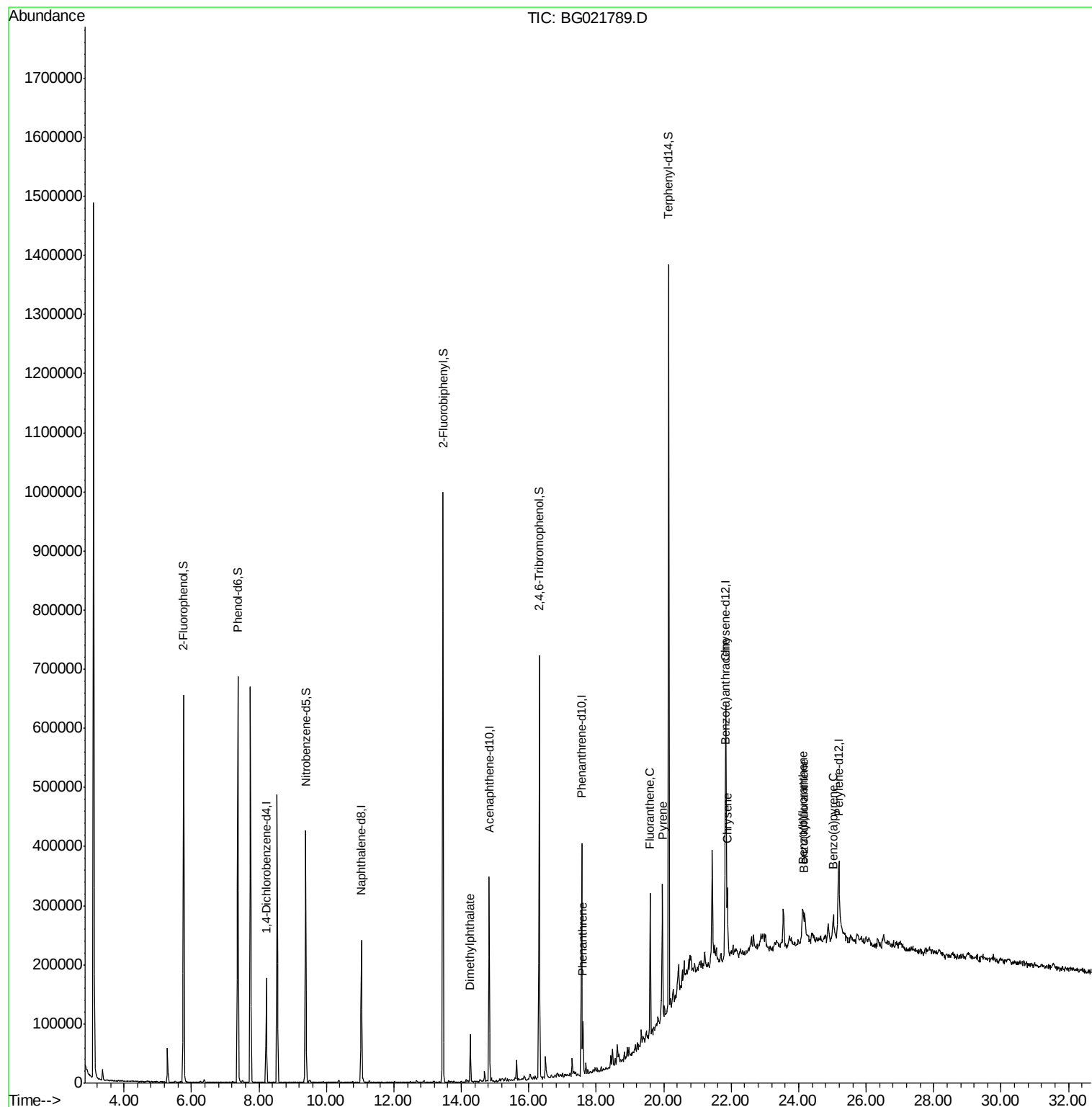
Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021789.D
Acq On : 20 Apr 2016 17:43
Operator : UM/SJ
Sample : H2413-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

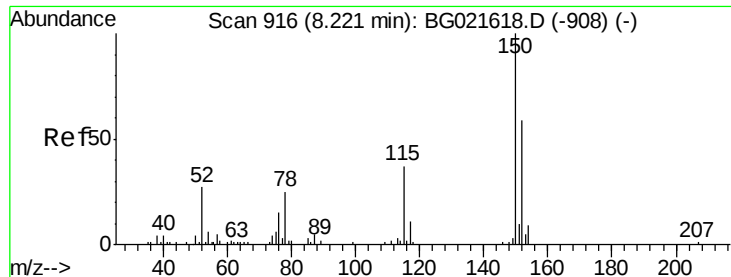
Instrument :
BNA_G
ClientSampleId :
SP-2-E-5(0-2)

Manual Integrations
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Quant Time: Apr 21 02:39:28 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
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#1

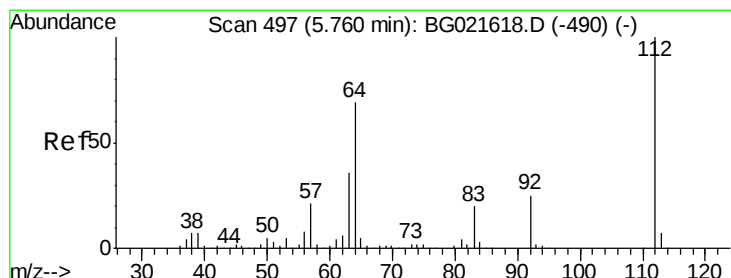
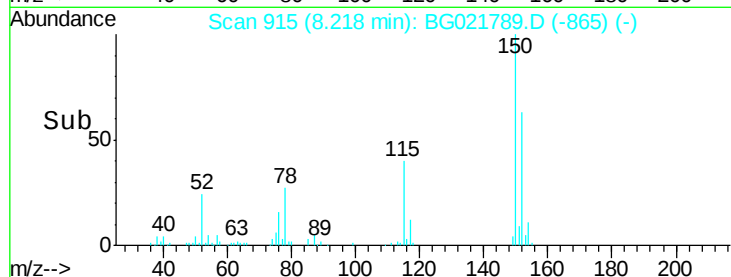
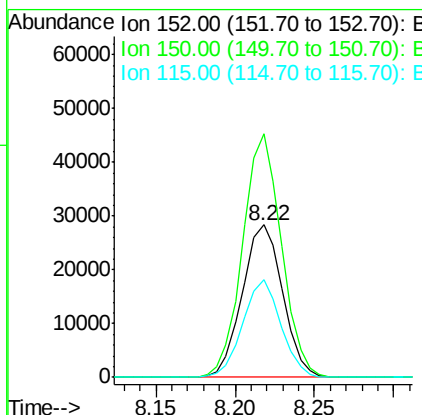
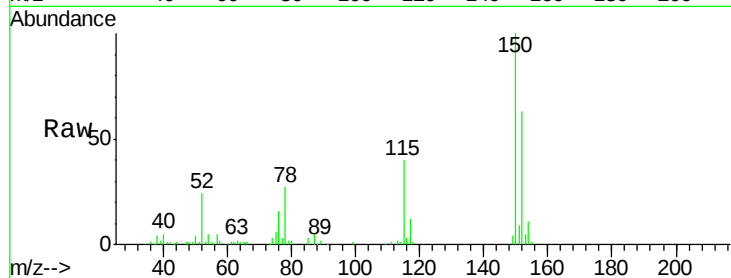
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.22 min Scan# 915
Delta R.T. -0.00 min
Lab File: BG021789.D
Acq: 20 Apr 2016 17:43

Instrument :
BNA_G
ClientSampleId :
SP-2-E-5(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	130.1	195.1
115	64.1	62.2	93.2

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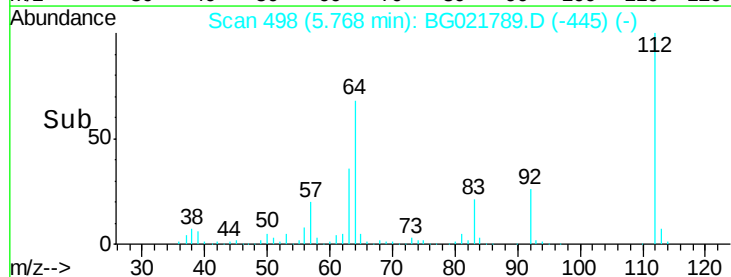
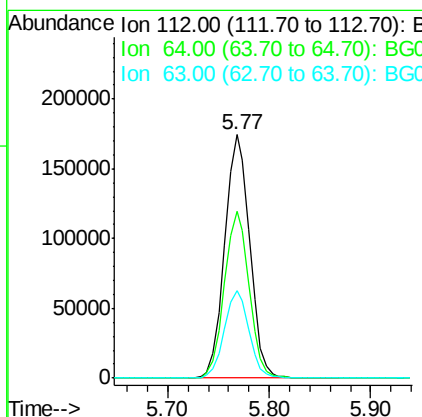
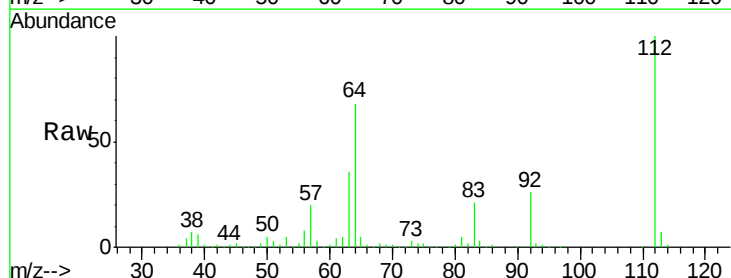
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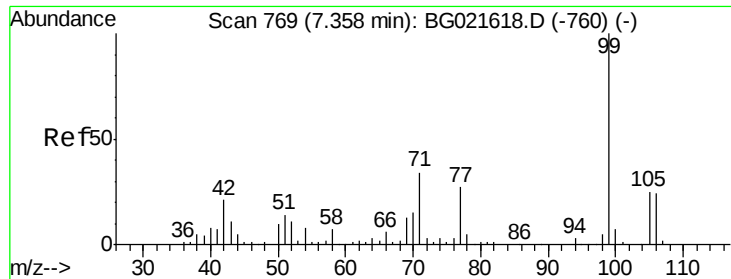


#5

2-Fluorophenol
Concen: 98.67 ng
RT: 5.77 min Scan# 498
Delta R.T. 0.01 min
Lab File: BG021789.D
Acq: 20 Apr 2016 17:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	51.1	76.7
63	36.0	24.6	37.0





#7

Phenol-d6

Concen: 97.07 ng

RT: 7.38 min Scan# 772

Delta R.T. 0.02 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

Instrument :

BNA_G

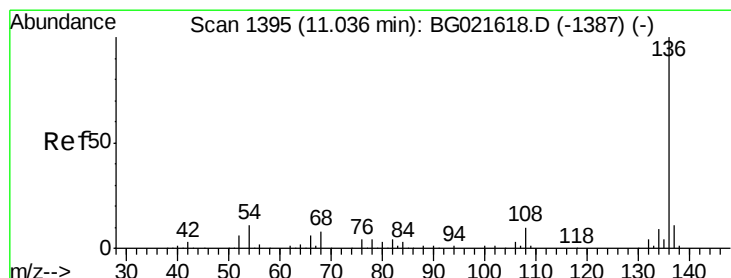
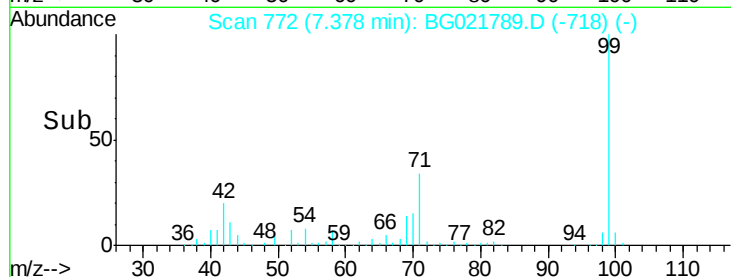
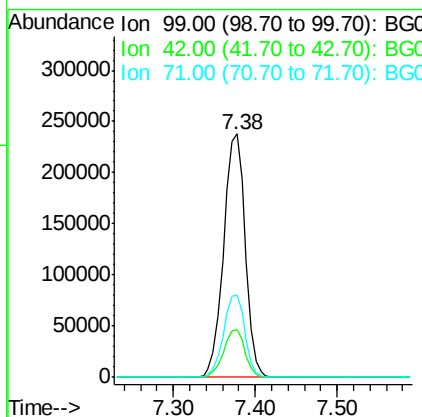
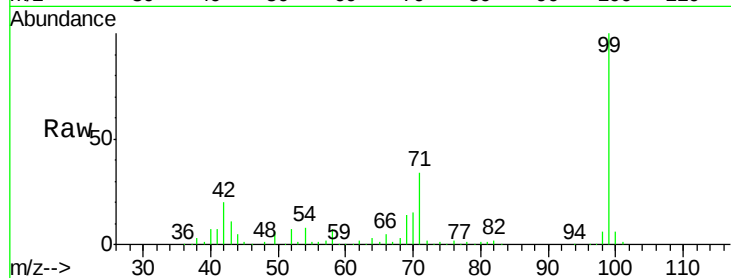
ClientSampleId :

SP-2-E-5(0-2)

Tot Ion:	99	Resp:	437125
Ion Ratio	Lower	Upper	
99	100		
42	19.6	16.4	24.6
71	33.8	25.0	37.4

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#21

Naphthalene-d8

Concen: 20.00 ng

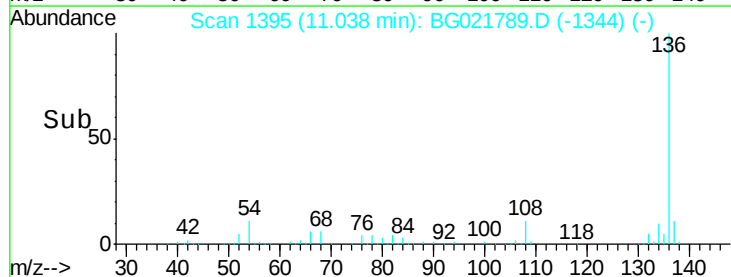
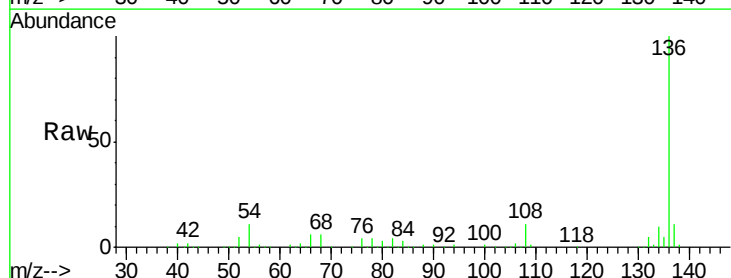
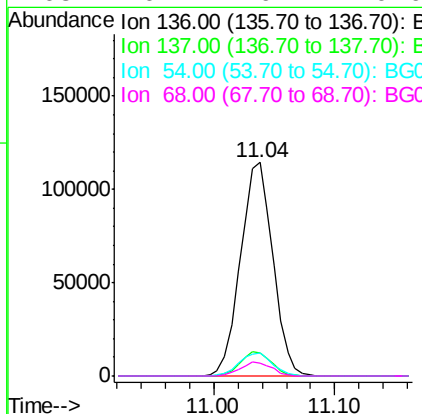
RT: 11.04 min Scan# 1395

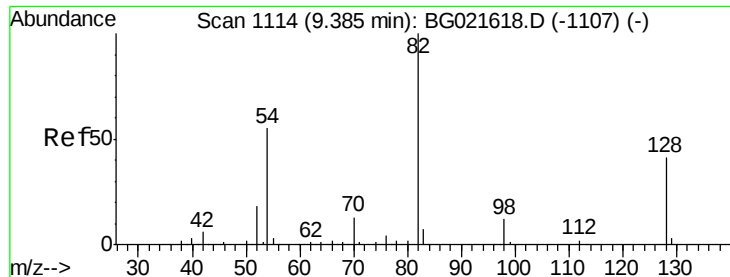
Delta R.T. 0.00 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

Tgt Ion:	136	Resp:	214234
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.0	13.4
54	10.7	9.6	14.4
68	6.2	6.4	9.6#





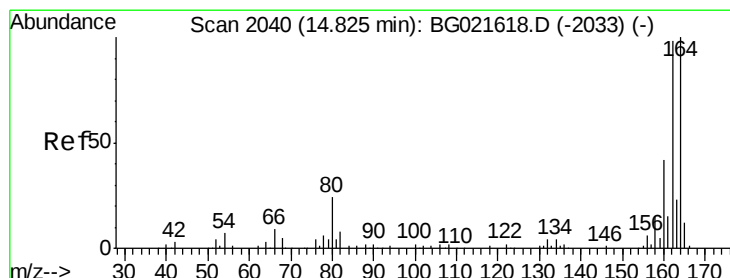
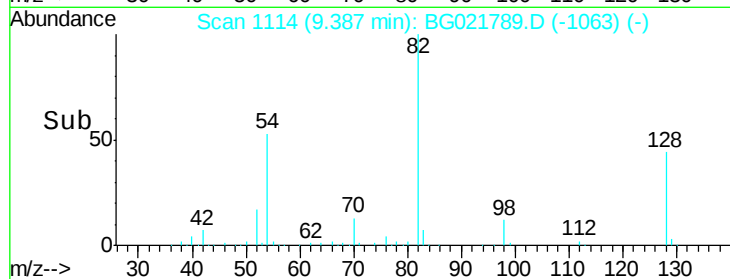
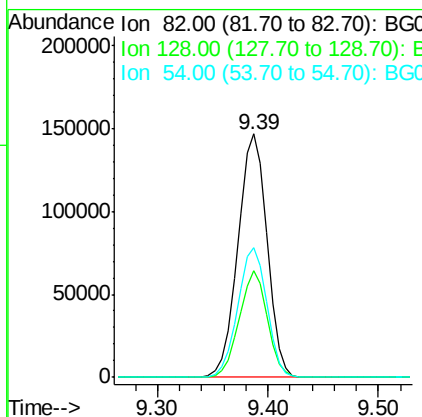
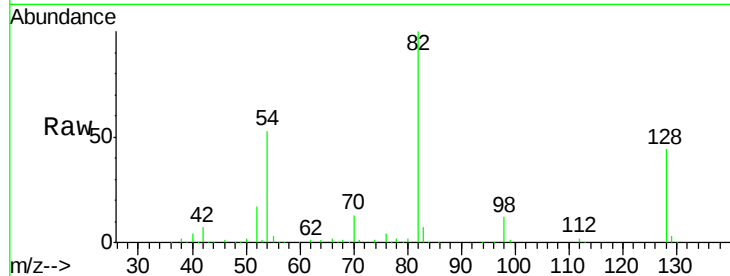
#23
 Nitrobenzene-d5
 Concen: 65.12 ng
 RT: 9.39 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: BG021789.D
 Acq: 20 Apr 2016 17:43

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-E-5(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	271431		
128	43.7	33.4	50.0	
54	53.1	46.1	69.1	

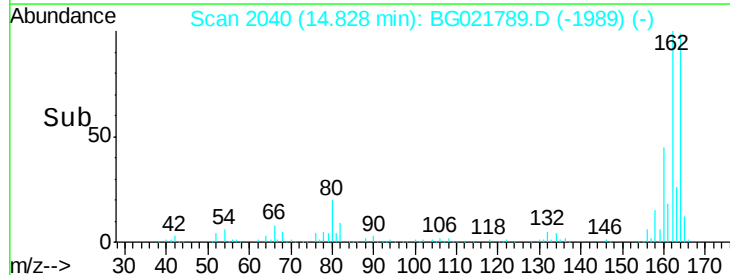
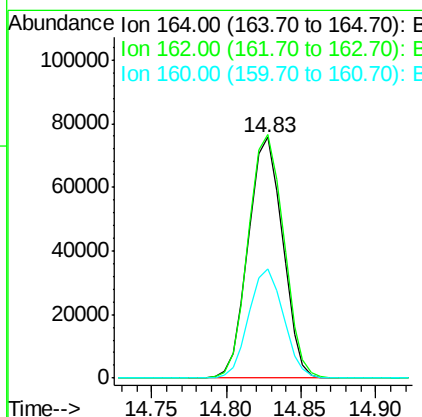
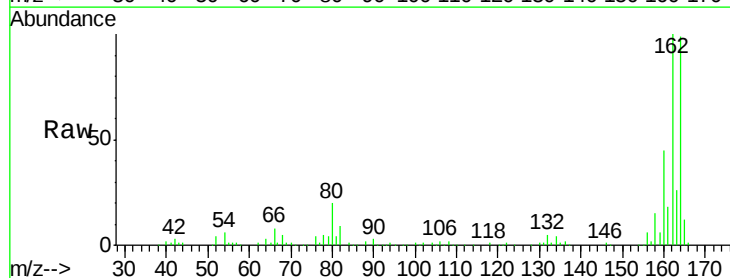
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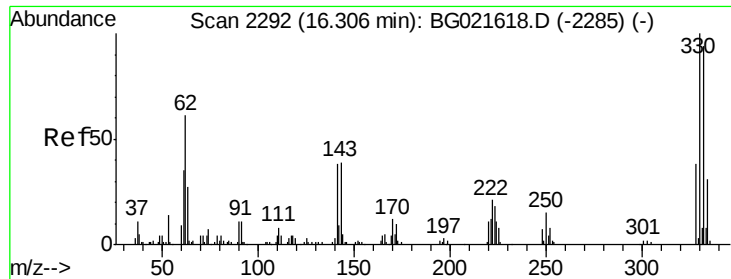
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.83 min Scan# 2040
 Delta R.T. 0.00 min
 Lab File: BG021789.D
 Acq: 20 Apr 2016 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	120367		
162	101.2	78.0	117.0	
160	45.5	32.9	49.3	





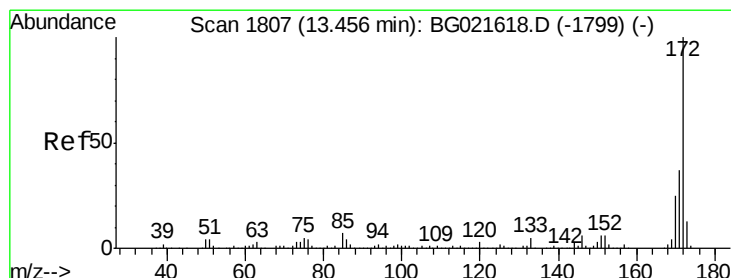
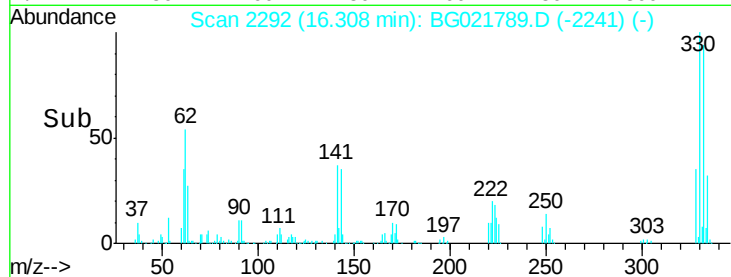
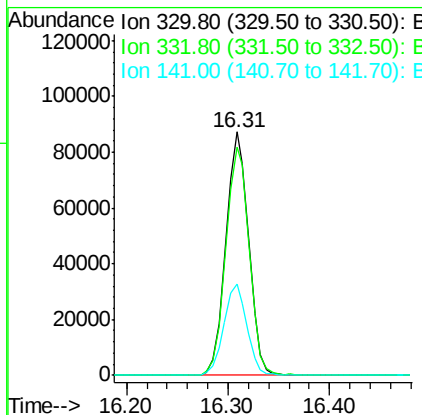
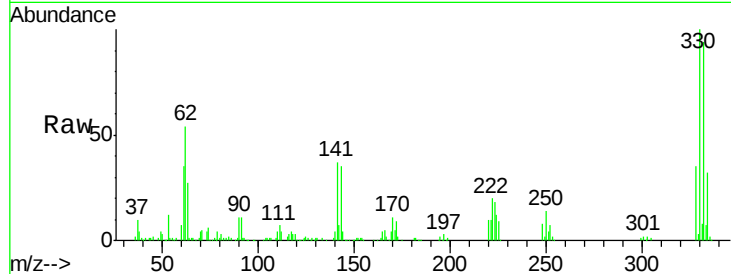
#41
 2,4,6-Tribromophenol
 Concen: 105.04 ng
 RT: 16.31 min Scan# 2292
 Delta R.T. 0.00 min
 Lab File: BG021789.D
 Acq: 20 Apr 2016 17:43

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-E-5(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	136265		
332	96.0	78.0	117.0	
141	38.2	33.8	50.8	

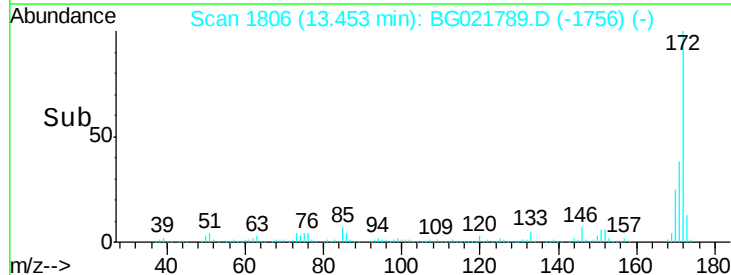
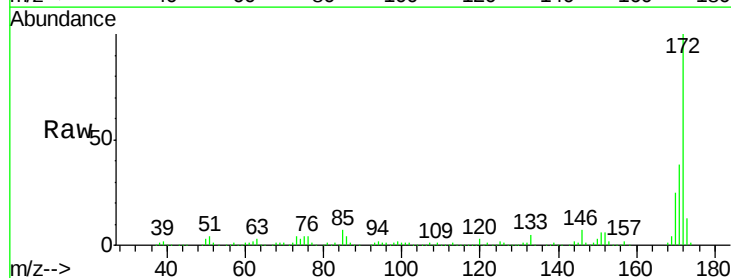
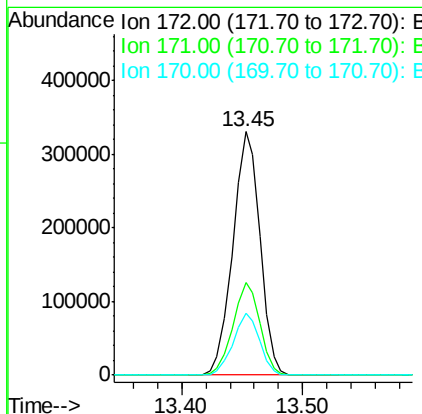
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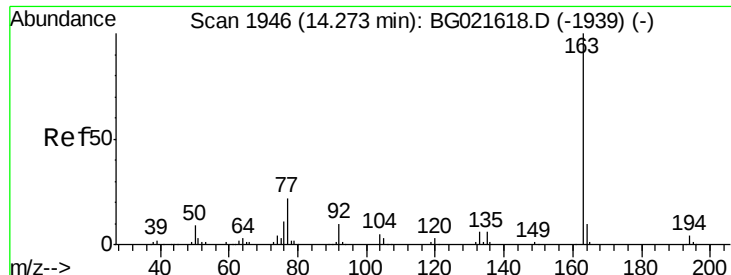
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#44
 2-Fluorobiphenyl
 Concen: 62.83 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: BG021789.D
 Acq: 20 Apr 2016 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	516151		
171	37.9	27.8	41.6	
170	25.5	19.6	29.4	





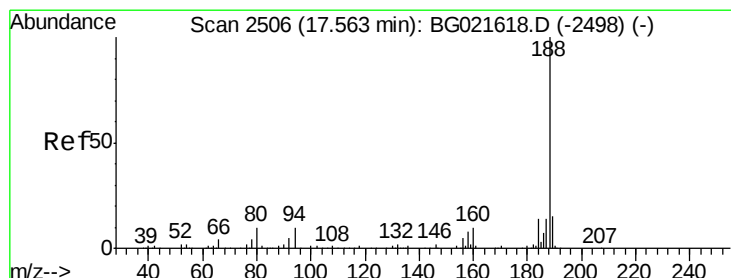
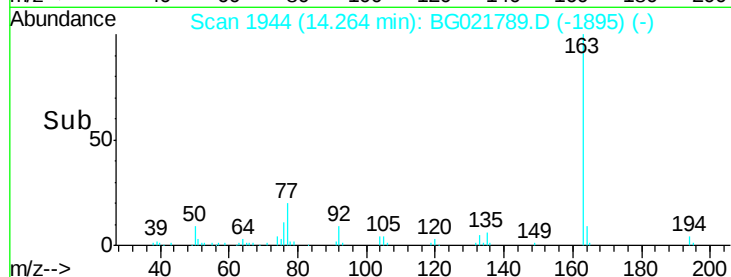
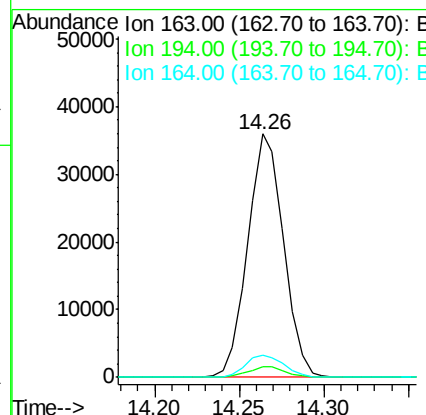
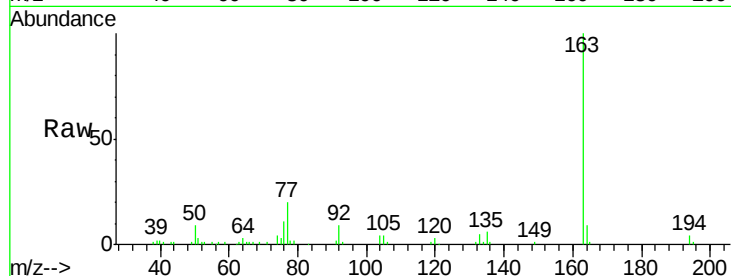
#49
Dimethylphthalate
Concen: 5.07 ng
RT: 14.26 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG021789.D
Acq: 20 Apr 2016 17:43

Instrument :
BNA_G
ClientSampleId :
SP-2-E-5(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	52814		
194	4.3		3.0	4.6
164	9.3		8.1	12.1

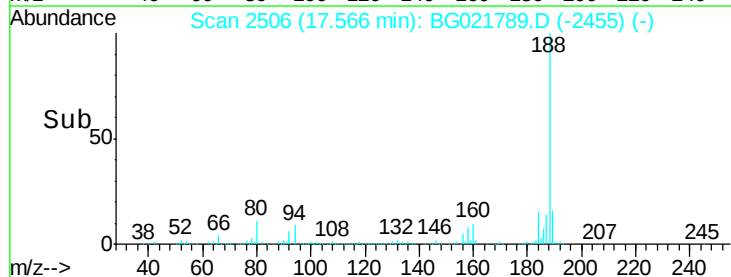
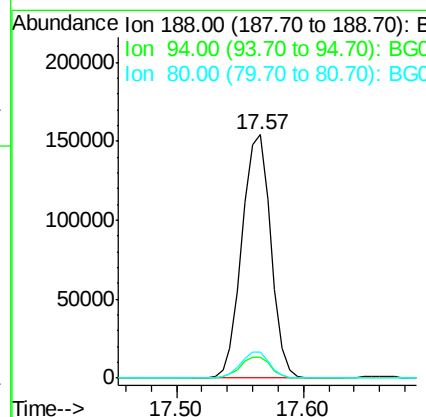
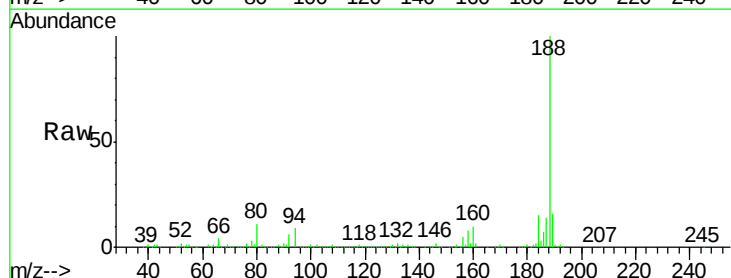
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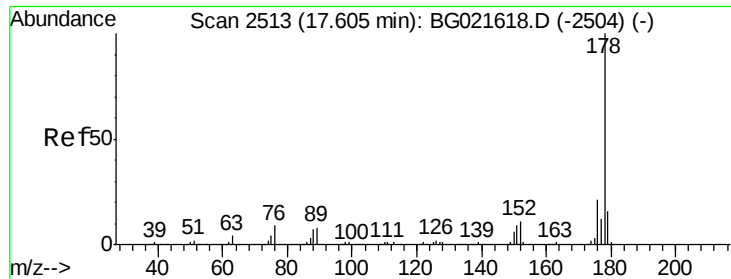
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.57 min Scan# 2506
Delta R.T. 0.00 min
Lab File: BG021789.D
Acq: 20 Apr 2016 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	242869		
94	8.7		7.5	11.3
80	10.6		8.6	13.0





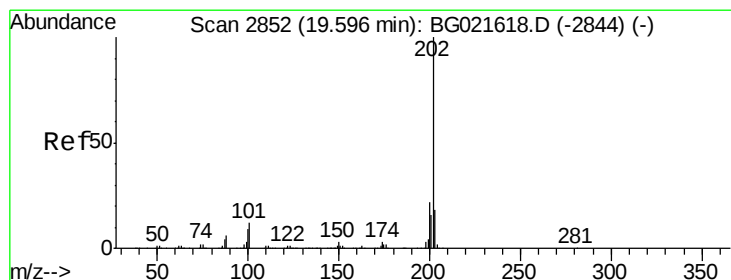
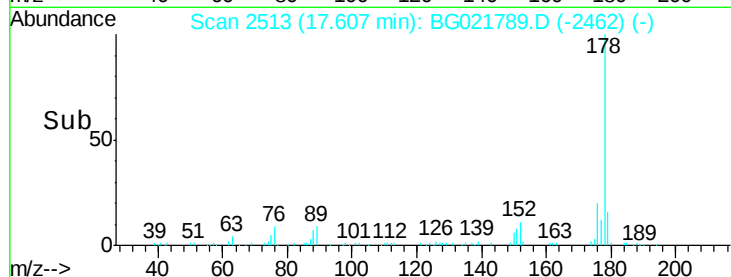
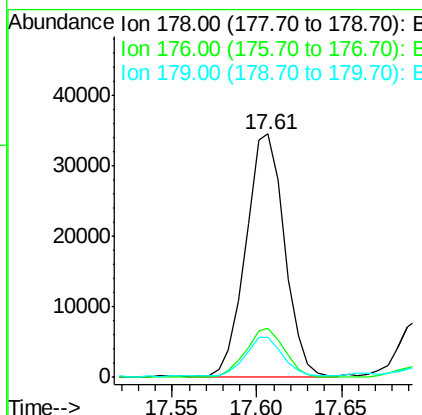
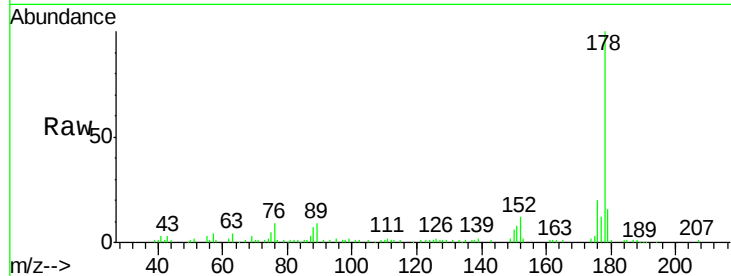
#70
Phenanthrene
Concen: 4.13 ng
RT: 17.61 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BG021789.D
Acq: 20 Apr 2016 17:43

Instrument :
BNA_G
ClientSampleId :
SP-2-E-5(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.2	24.4
179	16.5	12.0	18.0

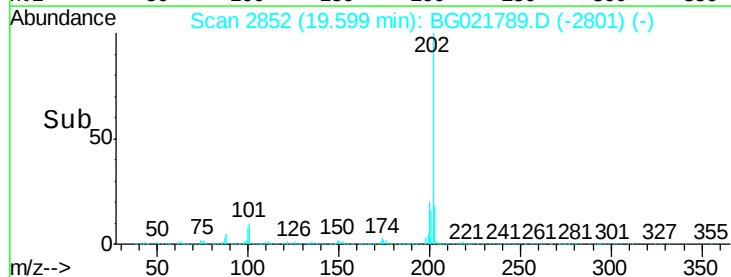
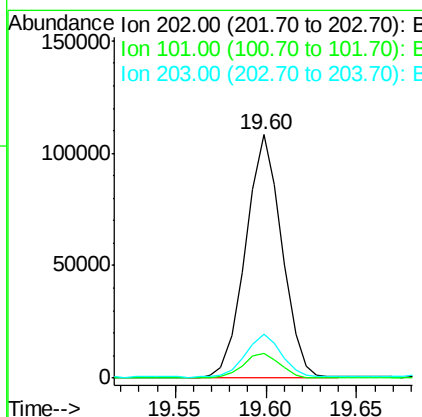
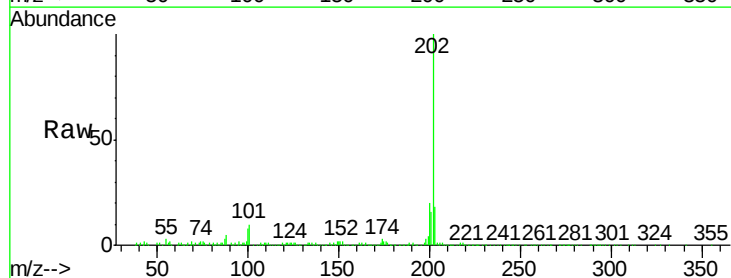
Manual Integrations
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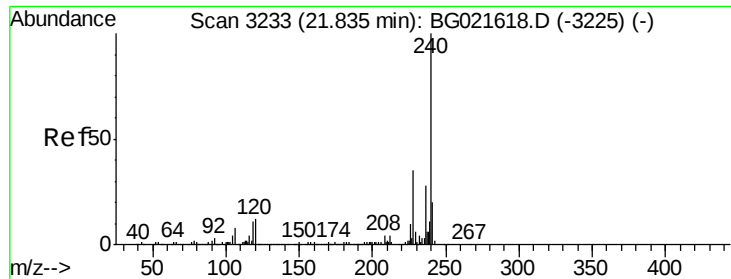
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#74
Fluoranthene
Concen: 9.37 ng
RT: 19.60 min Scan# 2852
Delta R.T. 0.00 min
Lab File: BG021789.D
Acq: 20 Apr 2016 17:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.0
203	18.0	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3233

Delta R.T. 0.00 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

Instrument :

BNA_G

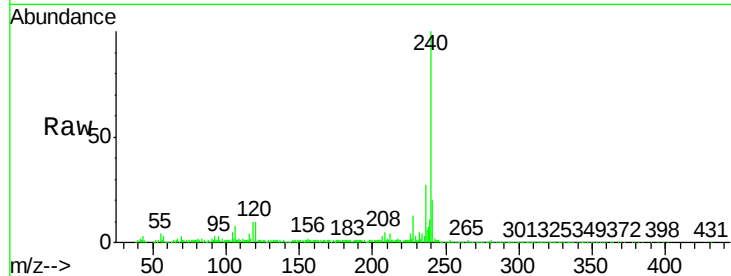
ClientSampleId :

SP-2-E-5(0-2)

Tot Ion:	240	Resp:	269124
Ion Ratio	Lower	Upper	
240	100		
120	9.8	8.4	12.6
236	27.2	19.6	29.4

Manual Integrations
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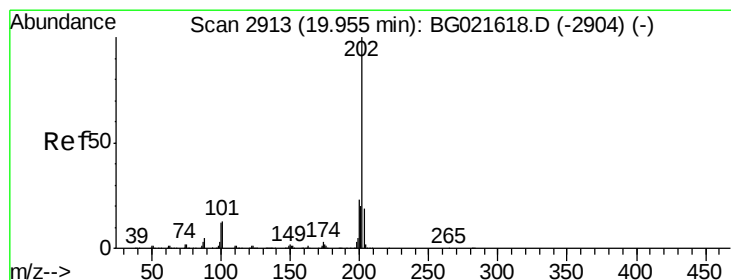
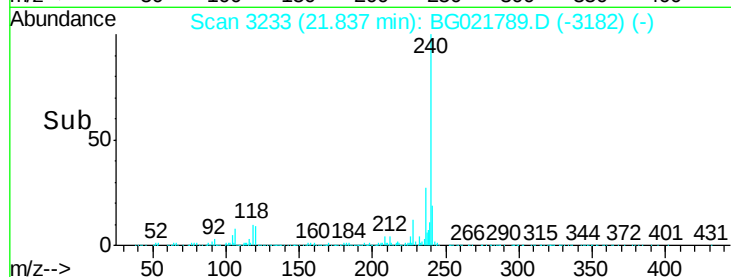
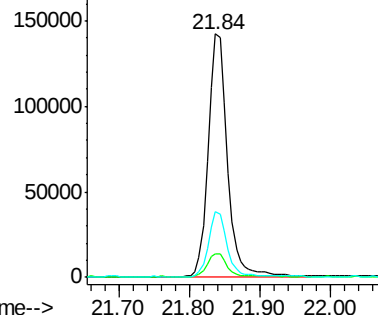
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 9.71 ng

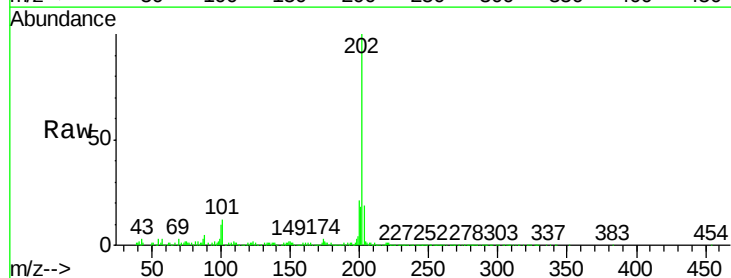
RT: 19.96 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

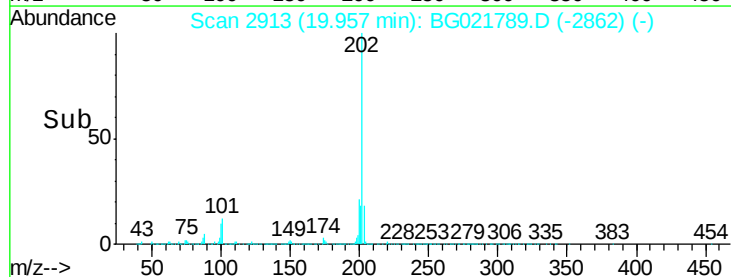
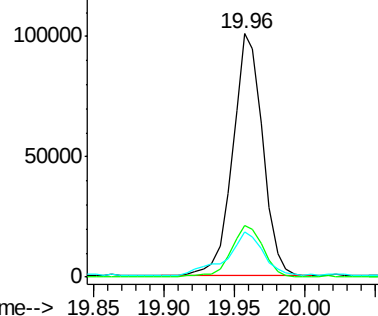
Tgt Ion:	202	Resp:	150647
Ion Ratio	Lower	Upper	
202	100		
200	21.0	18.2	27.2
203	18.8	15.0	22.4

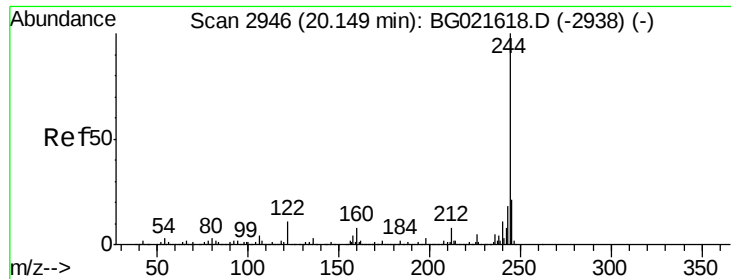


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 51.63 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.00 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

Instrument :

BNA_G

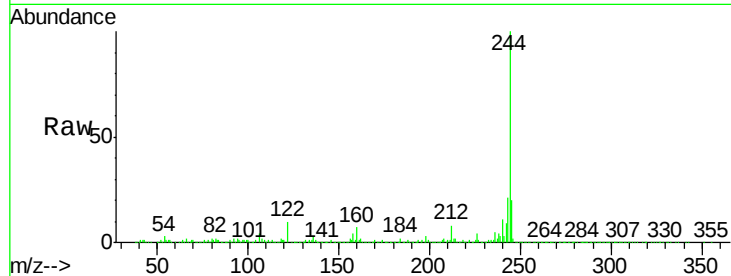
ClientSampled :

SP-2-E-5(0-2)

Tot Ion:	244	Resp:	556902
Ion Ratio		Lower	Upper
244	100		
212	8.1	6.5	9.7
122	10.5	8.6	12.8

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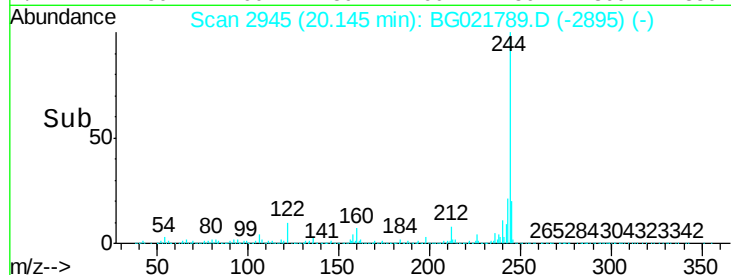


Abundance Ion 244.00 (243.70 to 244.70): E

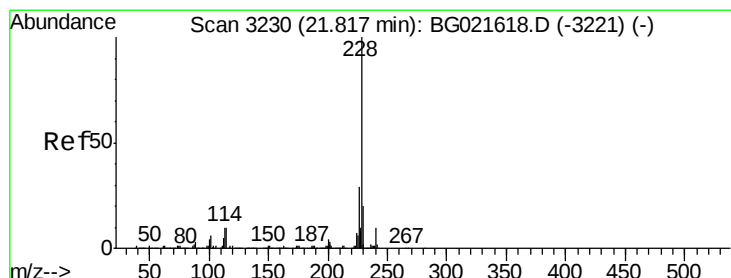
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



Time-->



#80

Benzo(a)anthracene

Concen: 5.58 ng

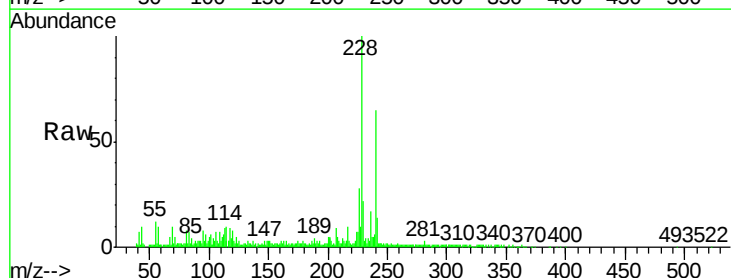
RT: 21.82 min Scan# 3230

Delta R.T. 0.00 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

Tgt Ion:	228	Resp:	86481
Ion Ratio		Lower	Upper
228	100		
226	28.3	22.6	34.0
229	21.5	16.1	24.1

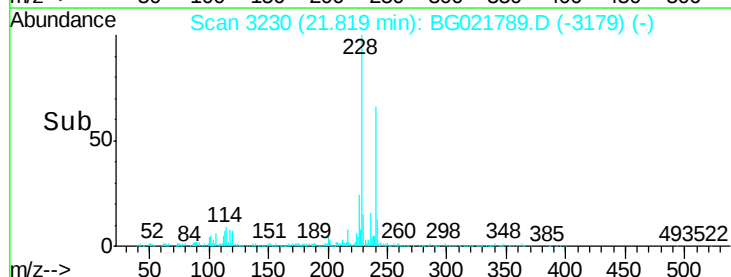


Abundance Ion 228.00 (227.70 to 228.70): E

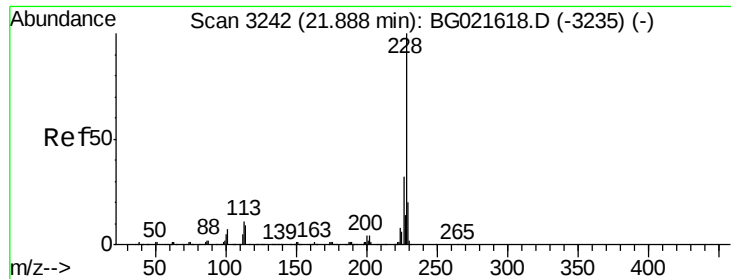
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



Time-->



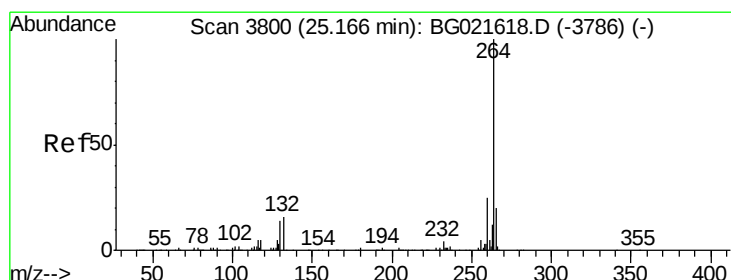
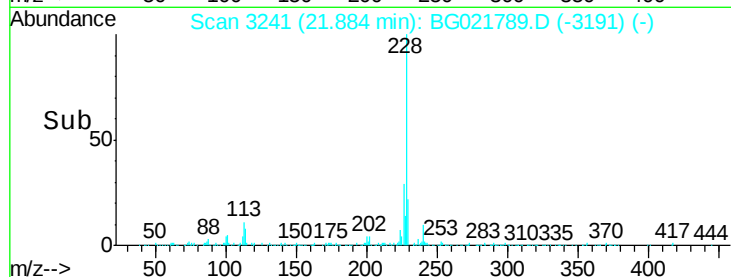
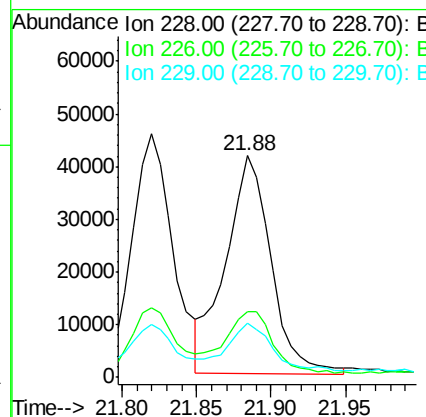
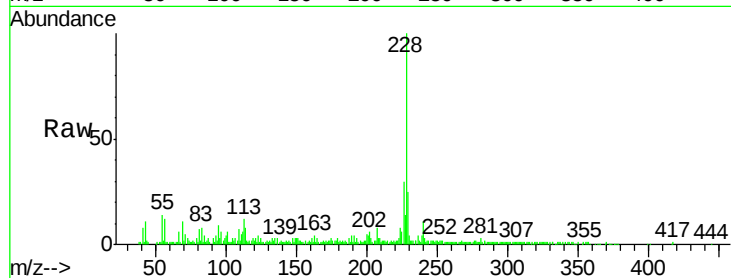
#82
Chrysene
Concen: 5.97 ng/ml
RT: 21.88 min Scan# 3241
Delta R.T. -0.00 min
Lab File: BG021789.D
Acq: 20 Apr 2016 17:43

Instrument :
BNA_G
ClientSampleId :
SP-2-E-5(0-2)

Tot Ion:	228	Resp:	88764
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.4	38.0
229	24.7	15.9	23.9

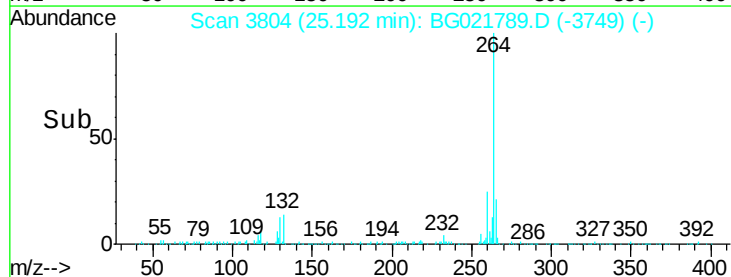
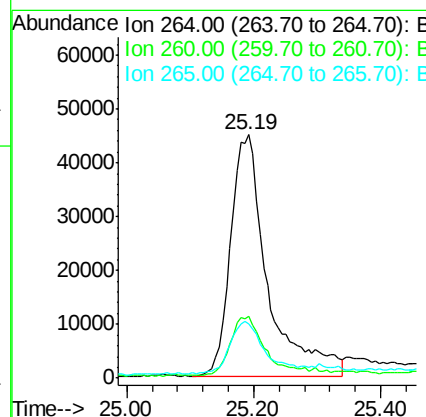
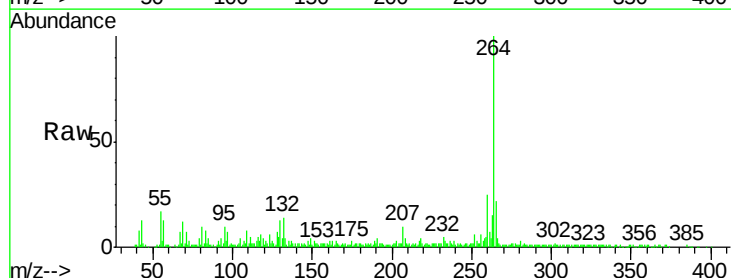
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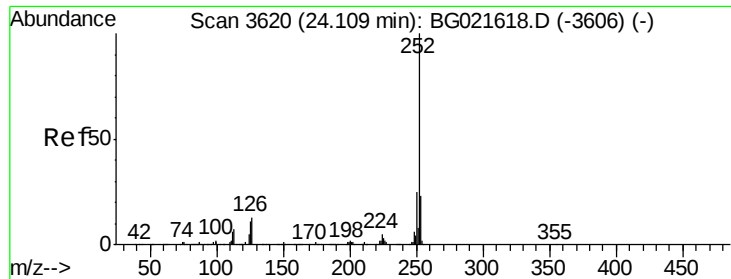
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#86
Perylene-d12
Concen: 20.00 ng
RT: 25.19 min Scan# 3804
Delta R.T. 0.03 min
Lab File: BG021789.D
Acq: 20 Apr 2016 17:43

Tgt Ion:	264	Resp:	182244
Ion Ratio	Lower	Upper	
264	100		
260	25.4	20.2	30.4
265	22.4	17.8	26.8





#87

Benzo(b)fluoranthene

Concen: 6.43 ng

RT: 24.12 min Scan# 3622

Delta R.T. 0.01 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

Instrument :

BNA_G

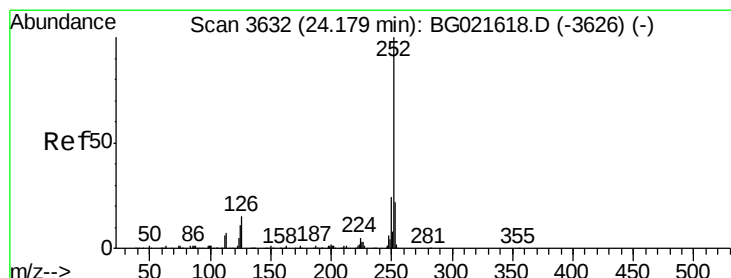
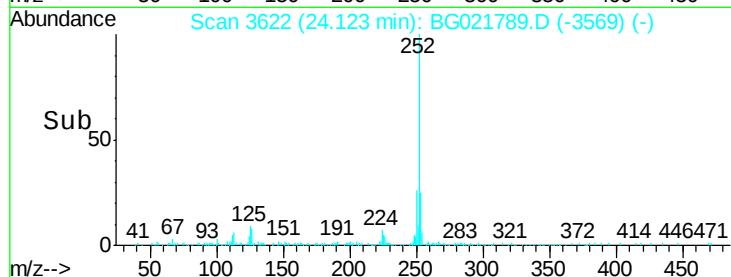
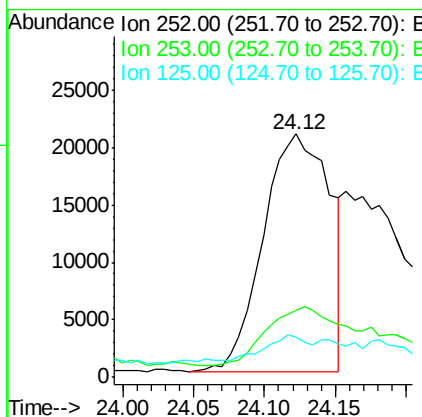
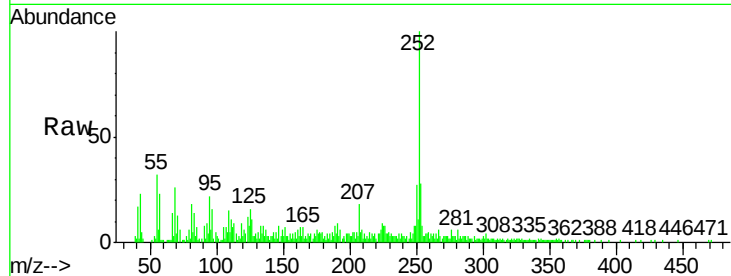
ClientSampleId :

SP-2-E-5(0-2)

Tot Ion:	252	Resp:	67944
Ion Ratio	Lower	Upper	
252	100		
253	27.7	17.5	26.3#
125	16.4	8.6	13.0#

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#88

Benzo(k)fluoranthene

Concen: 5.98 ng m

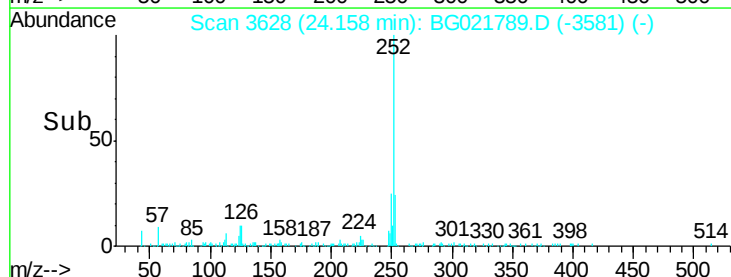
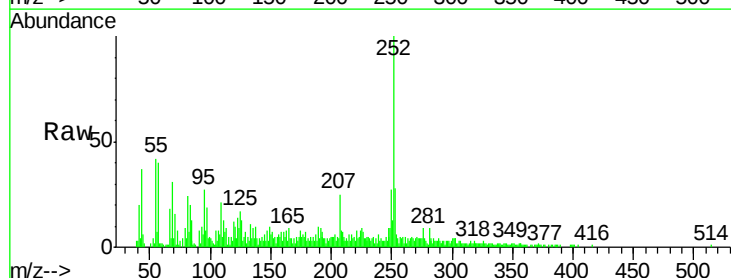
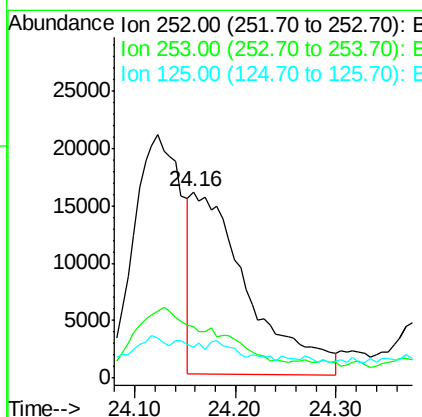
RT: 24.16 min Scan# 3628

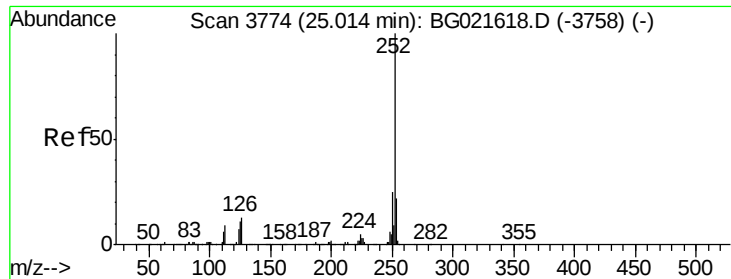
Delta R.T. -0.02 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

Tgt Ion:	252	Resp:	61839
Ion Ratio	Lower	Upper	
252	100		
253	28.0	17.8	26.8#
125	17.0	8.3	12.5#





#89

Benzo(a)pyrene

Concen: 5.41 ng

RT: 25.03 min Scan# 3776

Delta R.T. 0.01 min

Lab File: BG021789.D

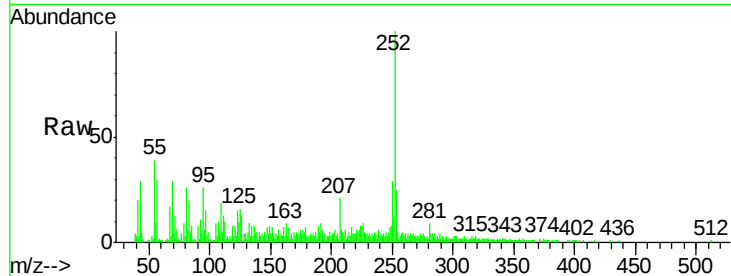
Acq: 20 Apr 2016 17:43

Instrument :

BNA_G

ClientSampleId :

SP-2-E-5(0-2)



Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	16.5	9.6	14.4

Manual Integrations
APPROVED

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