

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
 Data File : BG021788.D
 Acq On : 20 Apr 2016 17:03
 Operator : UM/SJ
 Sample : H2413-03 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-C-3(0-2)

Manual Integrations
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 4/21/2016 10:37:58 AM

Quant Time: Apr 21 02:36:34 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	39764	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	180809	20.00	ng	0.00
38) Acenaphthene-d10	14.83	164	103471	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	213129	20.00	ng	0.00
75) Chrysene-d12	21.84	240	234028	20.00	ng	0.00
86) Perylene-d12	25.18	264	180863	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	180786	75.71	ng	0.00
7) Phenol-d6	7.37	99	264887	74.26	ng	0.02
23) Nitrobenzene-d5	9.38	82	165460	47.04	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	82887	74.33	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	336697	47.68	ng	0.00
78) Terphenyl-d14	20.15	244	375638	40.05	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.26	163	53055	5.93	ng	99
70) Phenanthrene	17.60	178	131402	11.19	ng	99
71) Anthracene	17.69	178	26201	2.20	ng	96
74) Fluoranthene	19.60	202	240282	17.13	ng	100
77) Pyrene	19.96	202	224449	16.63	ng	98
80) Benzo(a)anthracene	21.82	228	123966	9.20	ng	97
82) Chrysene	21.89	228	125395	9.69	ng	97
85) Indeno(1,2,3-cd)pyrene	29.01	276	41586	2.70	ng	# 95
87) Benzo(b)fluoranthene	24.12	252	146265	13.94	ng	# 91
88) Benzo(k)fluoranthene	24.18	252	66303m	6.46	ng	
89) Benzo(a)pyrene	25.03	252	96885	9.53	ng	94
91) Benzo(a,h,i)perylene	30.20	276	40301	4.03	ng	# 89

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

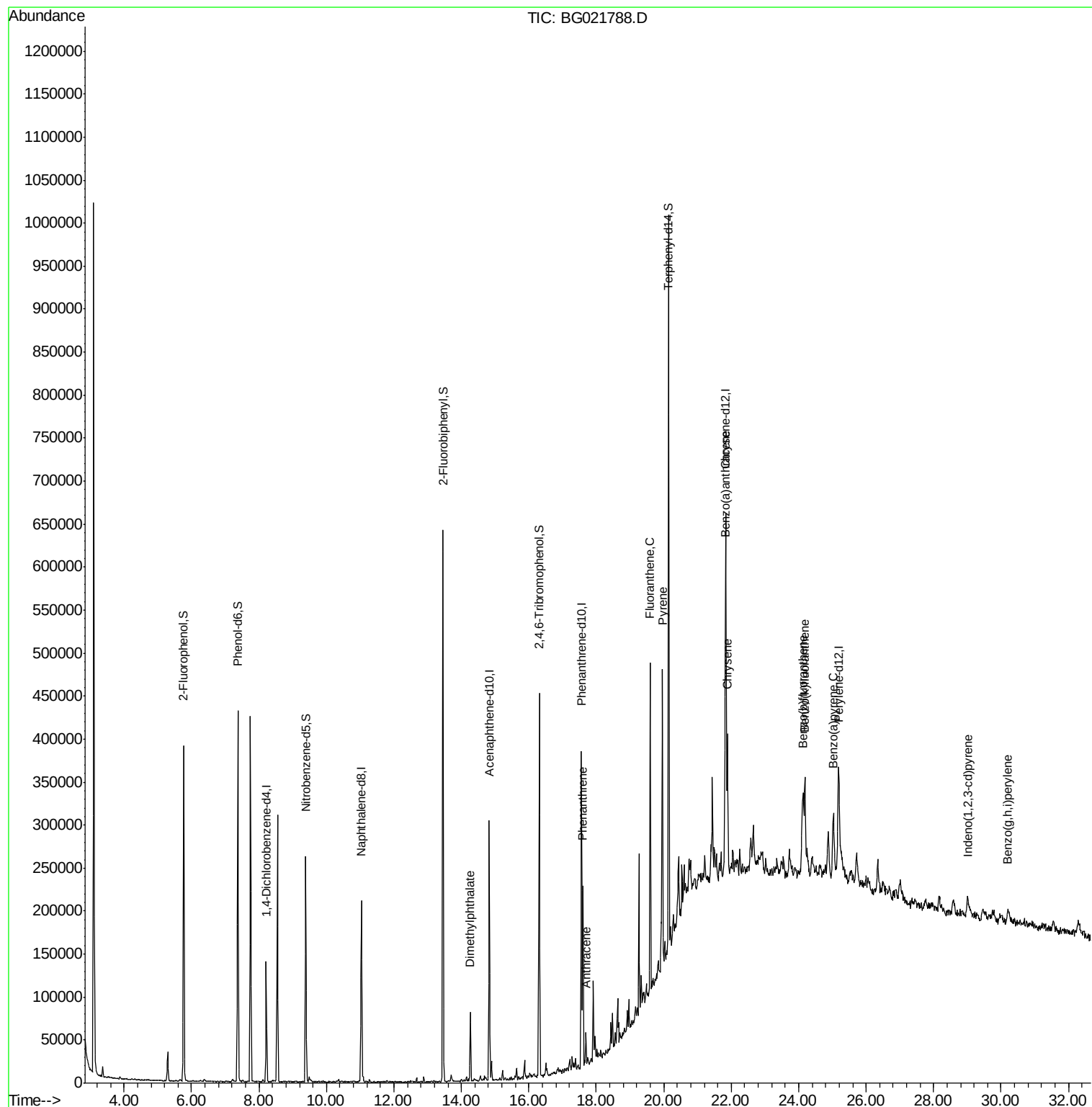
Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

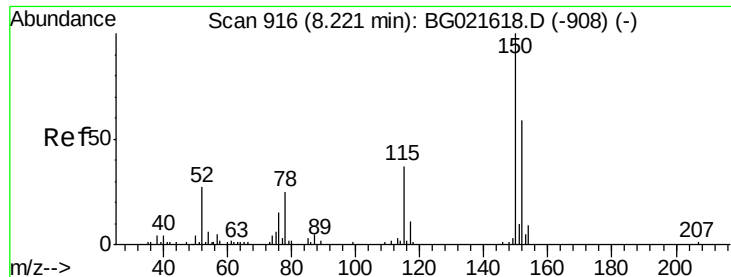
Instrument :
BNA_G
ClientSampleId :
SP-2-C-3(0-2)

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Quant Time: Apr 21 02:36:34 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 916

Delta R.T. -0.00 min

Lab File: BG021788.D

Acq: 20 Apr 2016 17:03

Instrument :

BNA_G

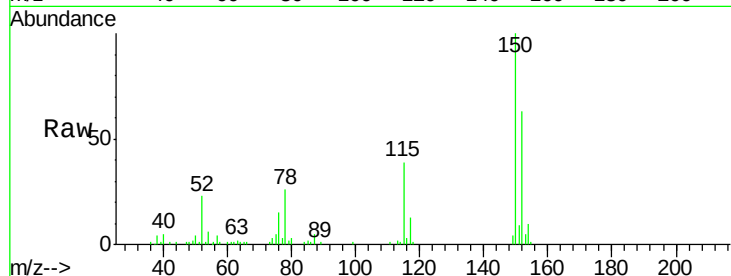
ClientSampleId :

SP-2-C-3(0-2)

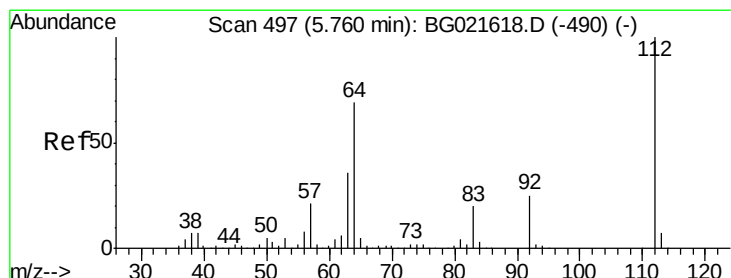
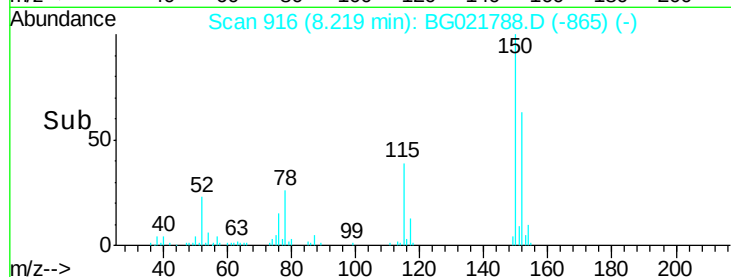
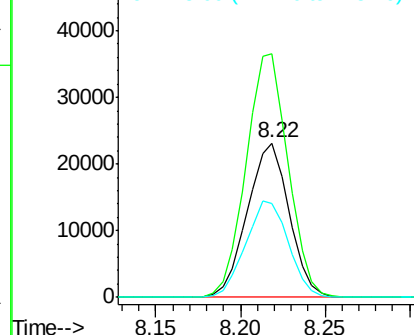
Tot Ion:	152	Resp:	39764
Ion Ratio	Lower	Upper	
152	100		
150	157.9	130.1	195.1
115	61.2	62.2	93.2#

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 75.71 ng

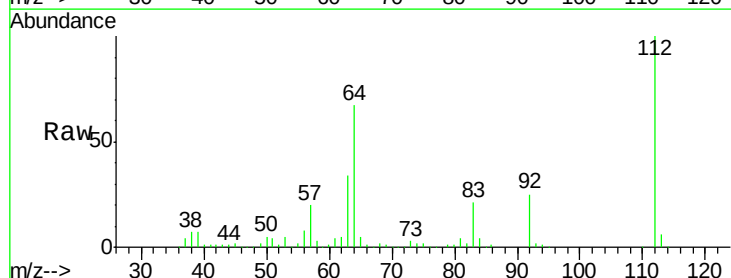
RT: 5.77 min Scan# 499

Delta R.T. 0.01 min

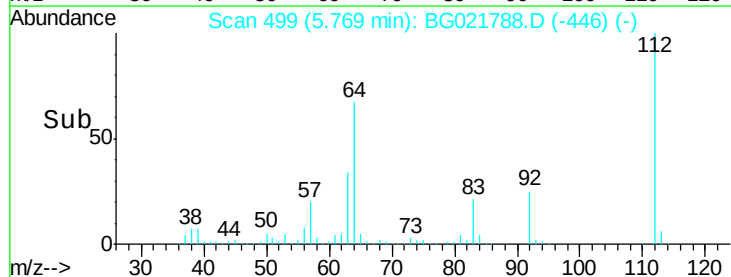
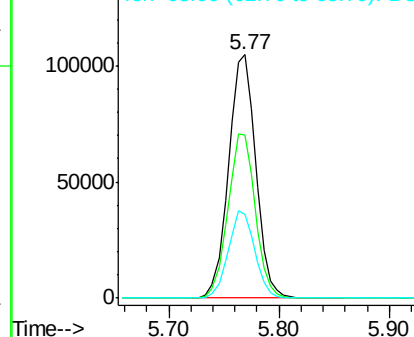
Lab File: BG021788.D

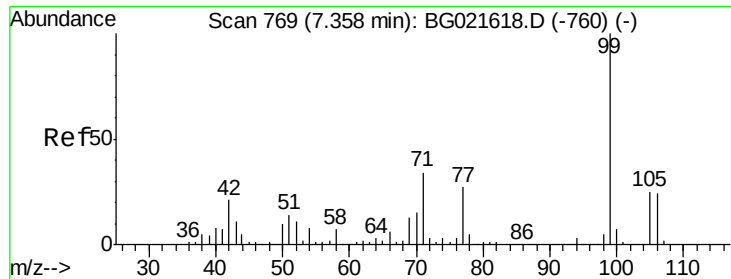
Acq: 20 Apr 2016 17:03

Tgt Ion:	112	Resp:	180786
Ion Ratio	Lower	Upper	
112	100		
64	66.8	51.1	76.7
63	34.5	24.6	37.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 74.26 ng

RT: 7.37 min Scan# 772

Delta R.T. 0.02 min

Lab File: BG021788.D

Acq: 20 Apr 2016 17:03

Instrument :

BNA_G

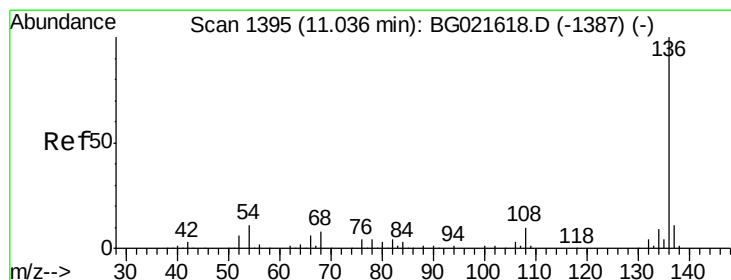
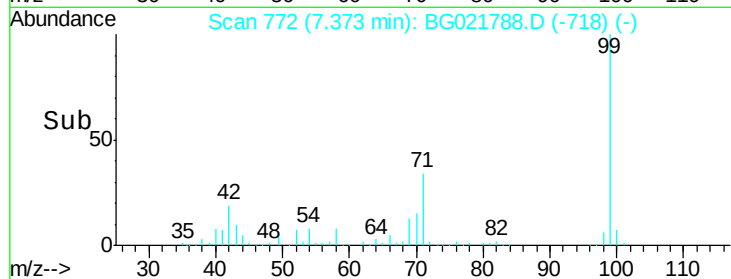
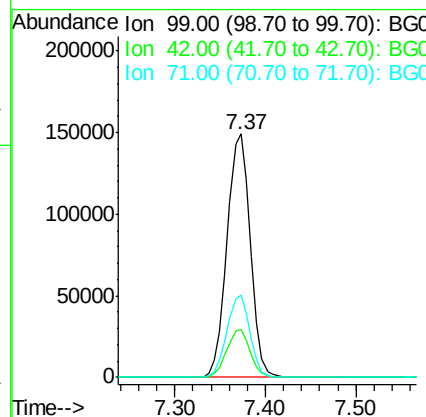
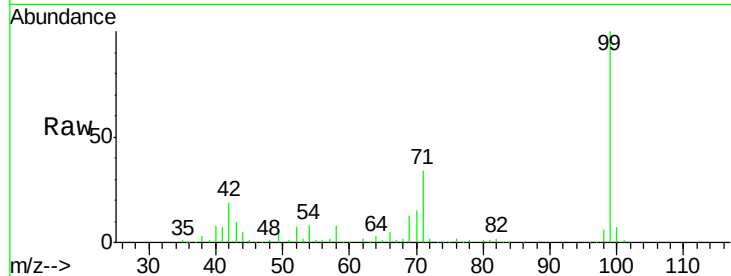
ClientSampleId :

SP-2-C-3(0-2)

Tot Ion:	99	Resp:	264887
Ion Ratio	Lower	Upper	
99	100		
42	19.4	16.4	24.6
71	33.7	25.0	37.4

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#21

Naphthalene-d8

Concen: 20.00 ng

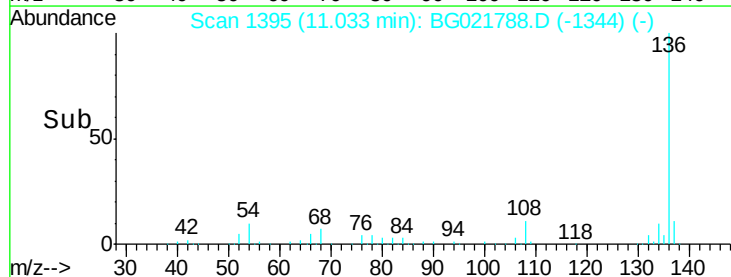
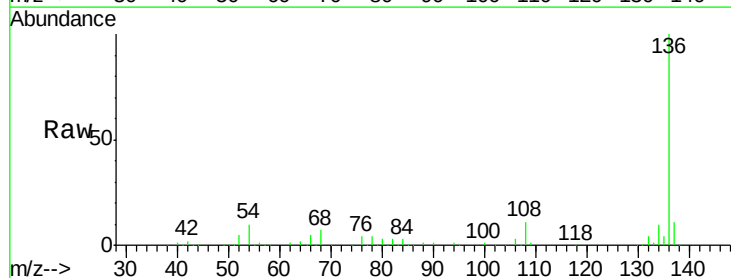
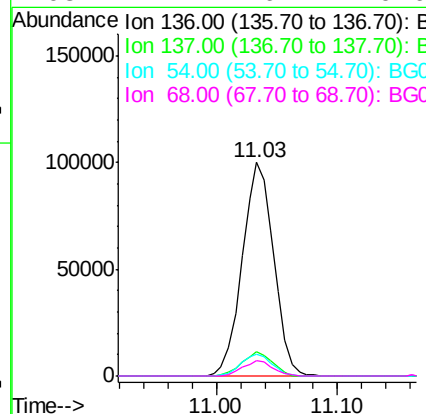
RT: 11.03 min Scan# 1395

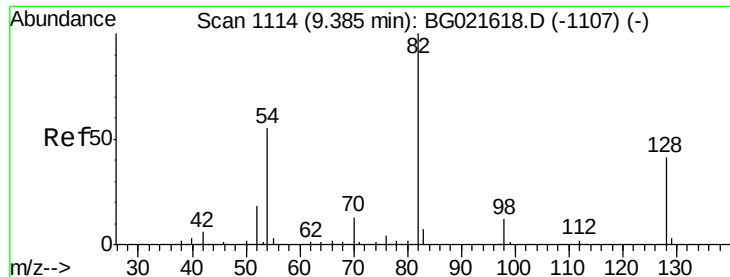
Delta R.T. -0.00 min

Lab File: BG021788.D

Acq: 20 Apr 2016 17:03

Tgt Ion:	136	Resp:	180809
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	10.2	9.6	14.4
68	7.1	6.4	9.6





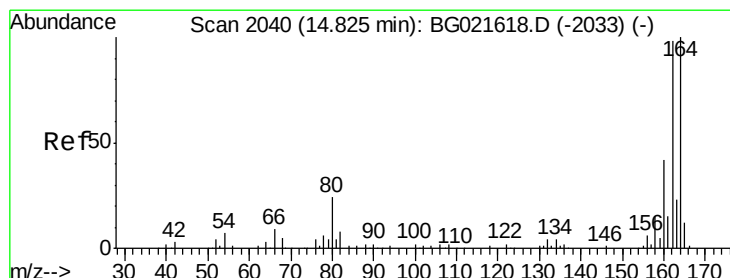
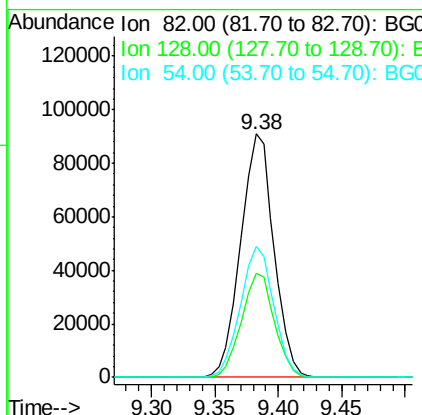
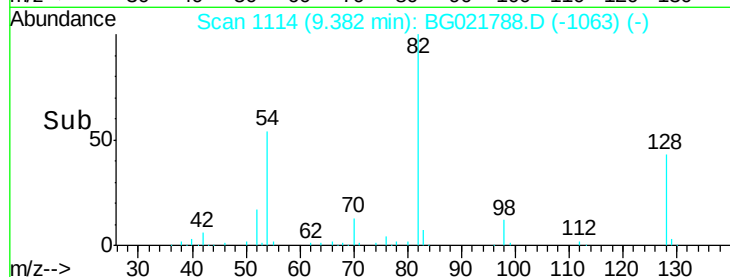
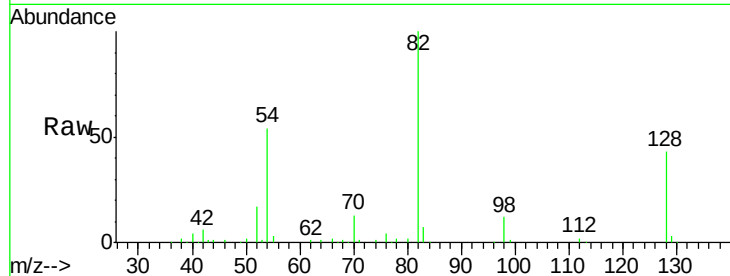
#23
 Nitrobenzene-d5
 Concen: 47.04 ng
 RT: 9.38 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: BG021788.D
 Acq: 20 Apr 2016 17:03

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-C-3(0-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.6	33.4	50.0
54	54.0	46.1	69.1

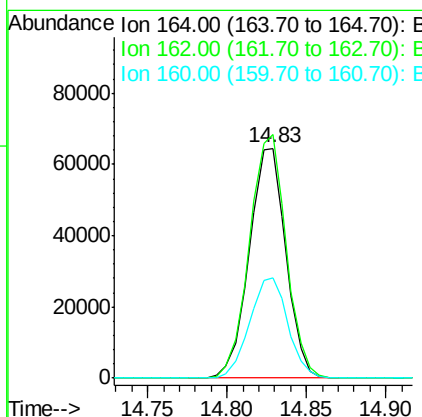
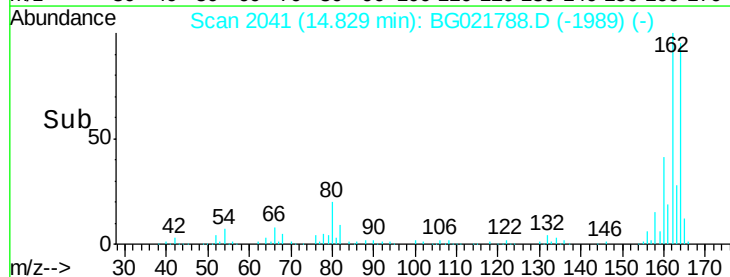
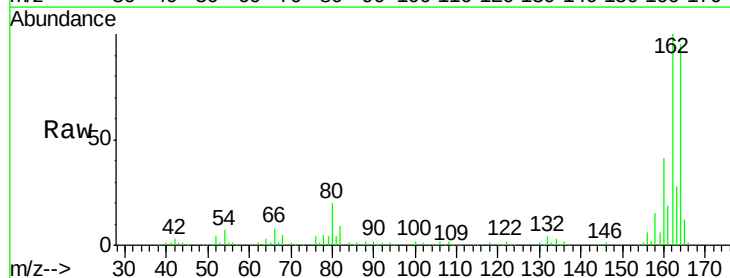
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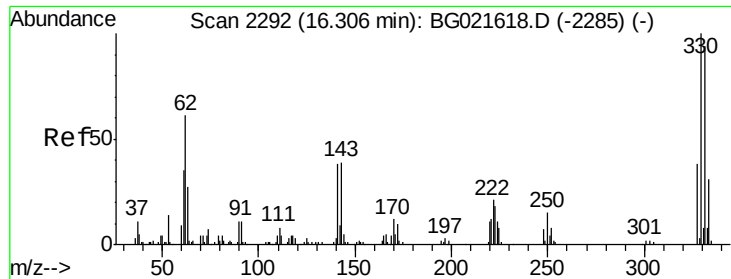
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.83 min Scan# 2041
 Delta R.T. 0.00 min
 Lab File: BG021788.D
 Acq: 20 Apr 2016 17:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	78.0	117.0
160	43.5	32.9	49.3





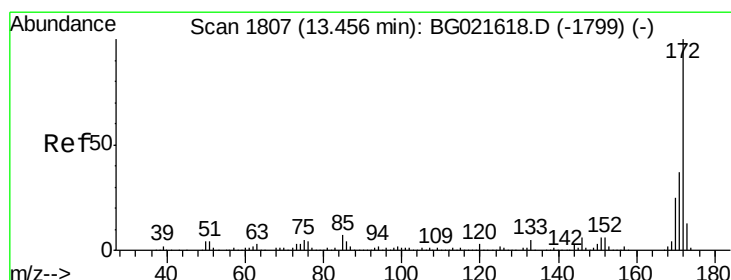
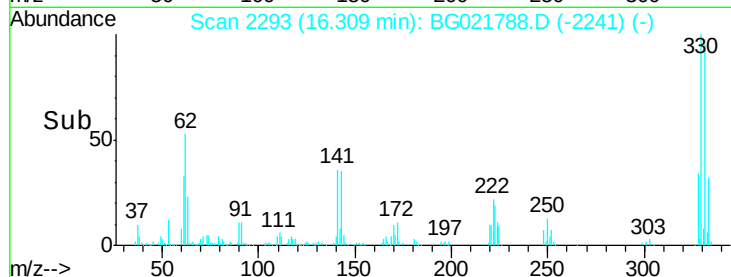
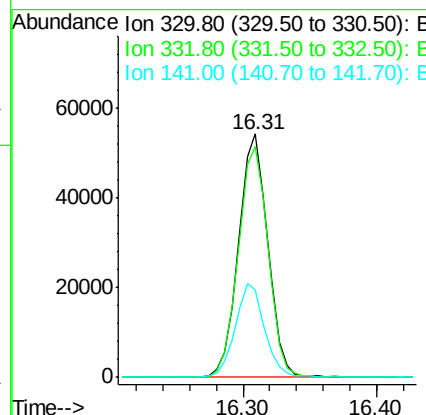
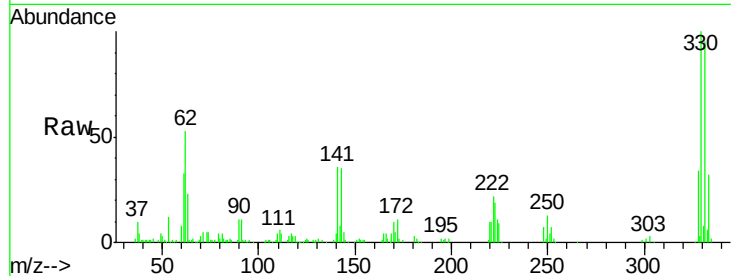
#41
 2,4,6-Tribromophenol
 Concen: 74.33 ng
 RT: 16.31 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: BG021788.D
 Acq: 20 Apr 2016 17:03

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-C-3(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	82887		
332	96.3	78.0	117.0	
141	38.7	33.8	50.8	

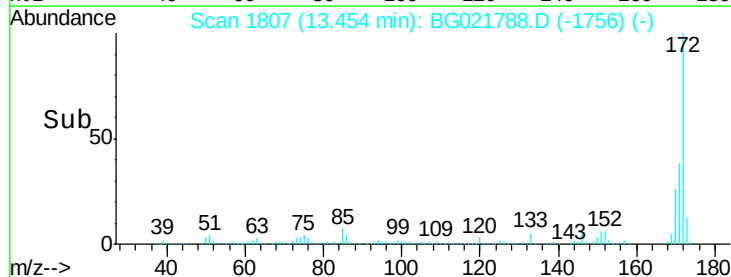
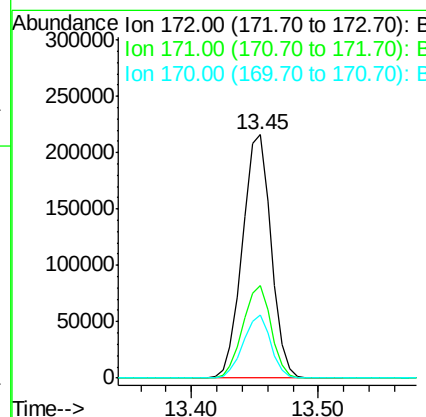
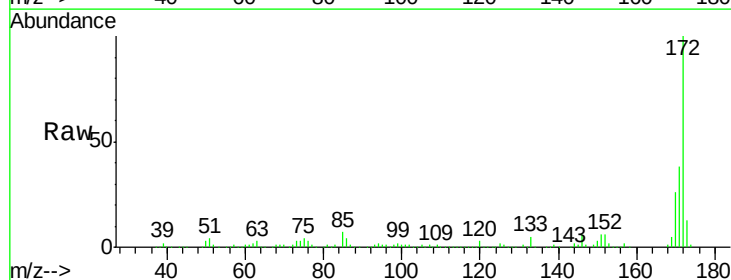
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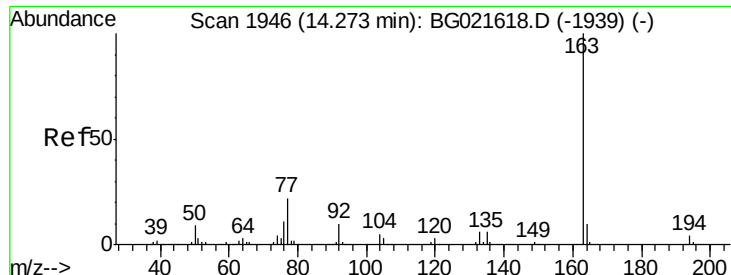
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#44
 2-Fluorobiphenyl
 Concen: 47.68 ng
 RT: 13.45 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BG021788.D
 Acq: 20 Apr 2016 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	336697		
171	38.2	27.8	41.6	
170	25.7	19.6	29.4	





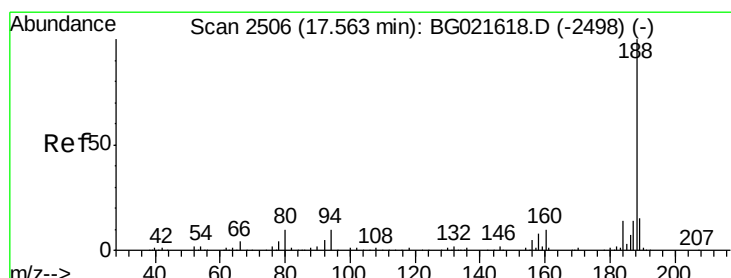
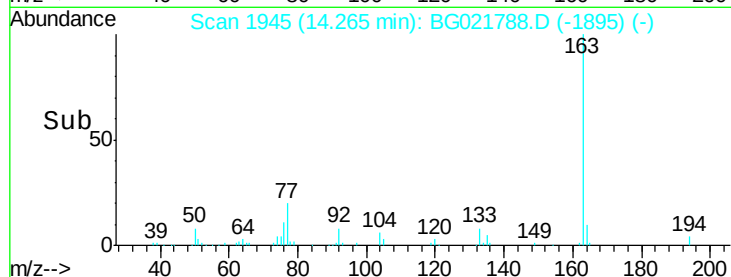
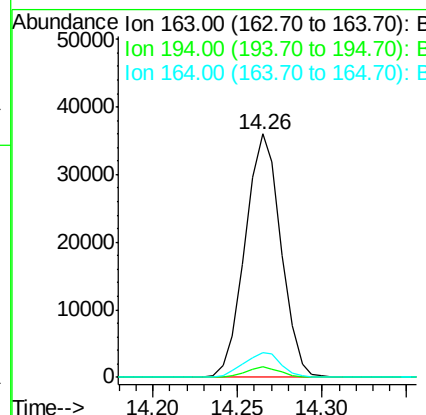
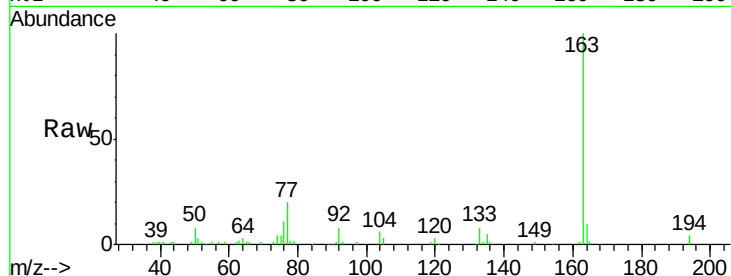
#49
Dimethylphthalate
Concen: 5.93 ng
RT: 14.26 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG021788.D
Acq: 20 Apr 2016 17:03

Instrument :
BNA_G
ClientSampleId :
SP-2-C-3(0-2)

Tot Ion:	163	Resp:	53055
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.0	4.6
164	10.2	8.1	12.1

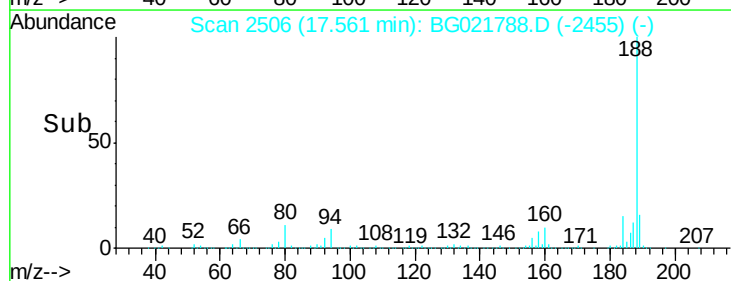
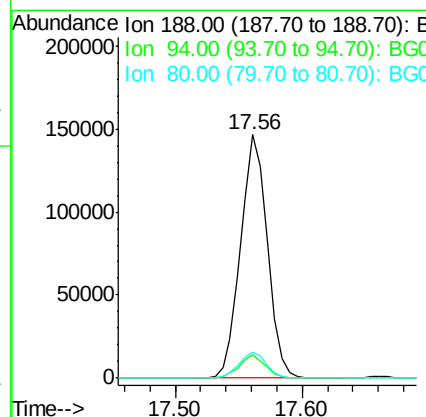
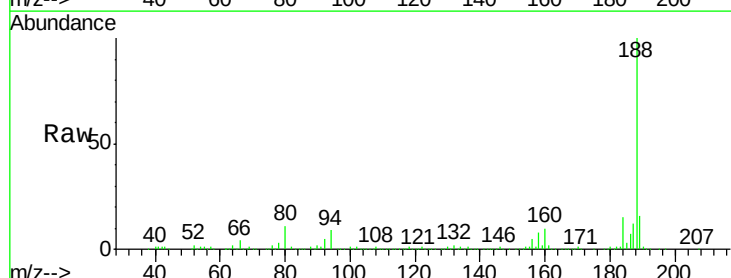
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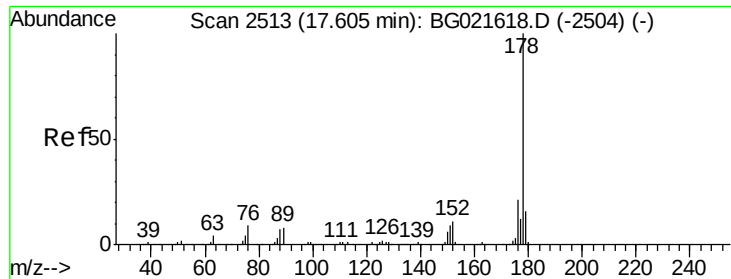
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2506
Delta R.T. -0.00 min
Lab File: BG021788.D
Acq: 20 Apr 2016 17:03

Tgt Ion:	188	Resp:	213129
Ion Ratio	Lower	Upper	
188	100		
94	9.4	7.5	11.3
80	10.5	8.6	13.0





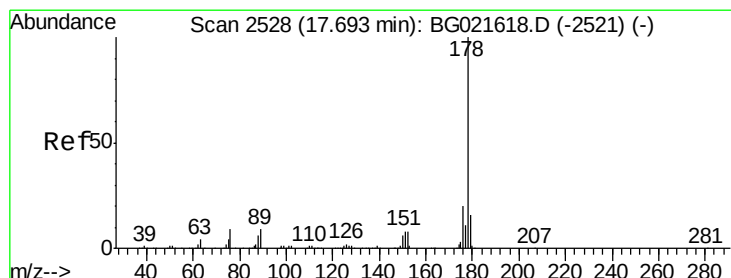
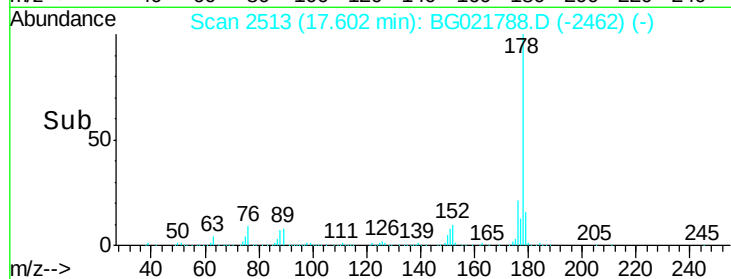
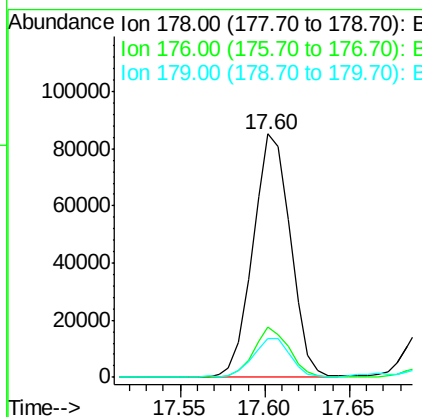
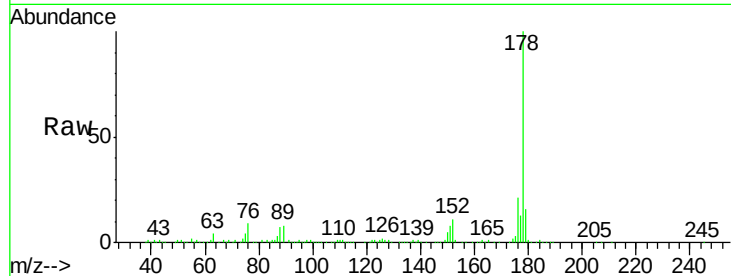
#70
Phenanthrene
Concen: 11.19 ng
RT: 17.60 min Scan# 2513
Delta R.T. -0.00 min
Lab File: BG021788.D
Acq: 20 Apr 2016 17:03

Instrument :
BNA_G
ClientSampled :
SP-2-C-3(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.2	24.4
179	16.0	12.0	18.0

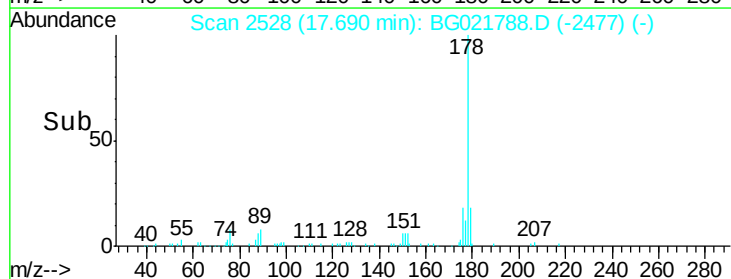
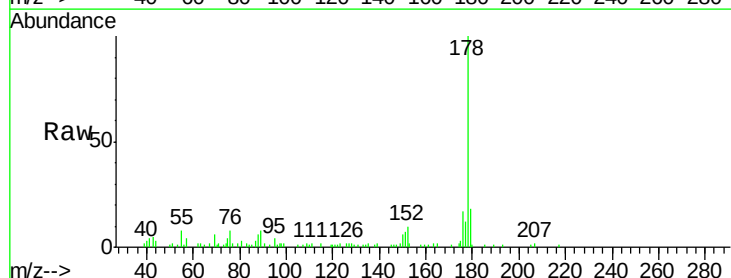
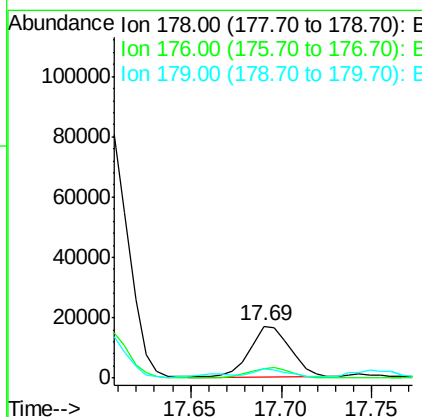
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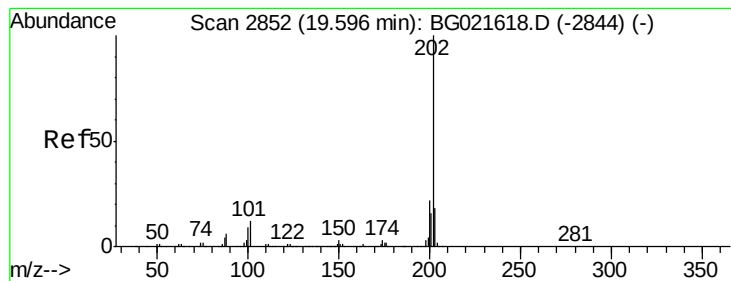
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#71
Anthracene
Concen: 2.20 ng
RT: 17.69 min Scan# 2528
Delta R.T. -0.00 min
Lab File: BG021788.D
Acq: 20 Apr 2016 17:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.0	22.4
179	17.6	12.2	18.4





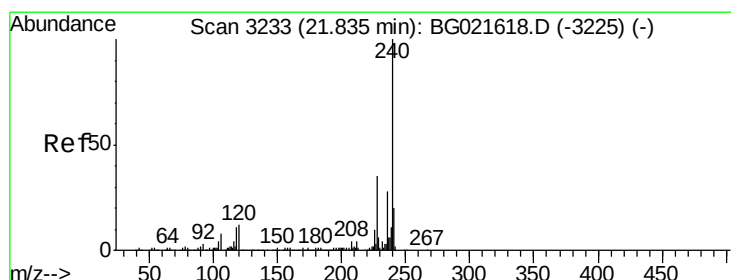
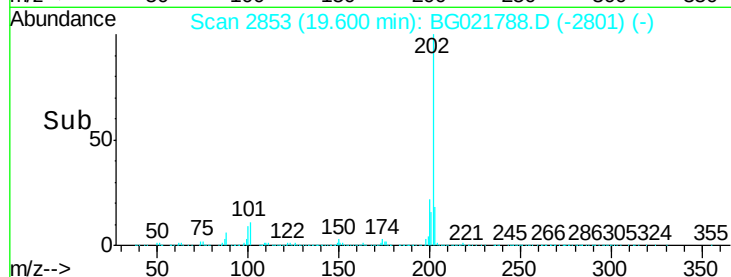
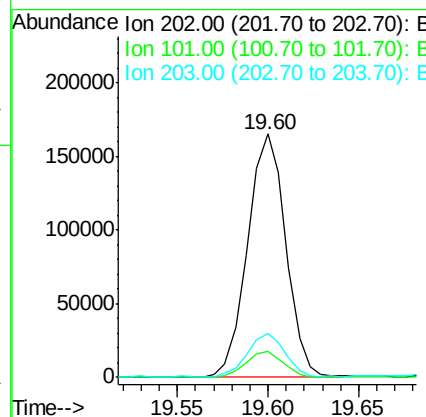
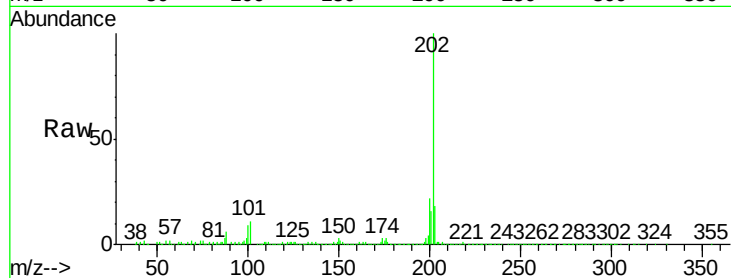
#74
Fluoranthene
Concen: 17.13 ng
RT: 19.60 min Scan# 2853
Delta R.T. 0.00 min
Lab File: BG021788.D
Acq: 20 Apr 2016 17:03

Instrument :
BNA_G
ClientSampleId :
SP-2-C-3(0-2)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.9	0.0	31.0
203	18.1	0.0	37.9

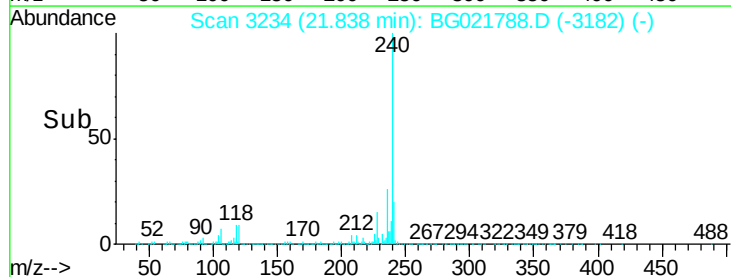
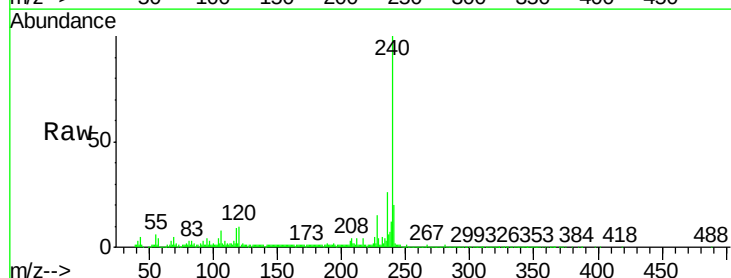
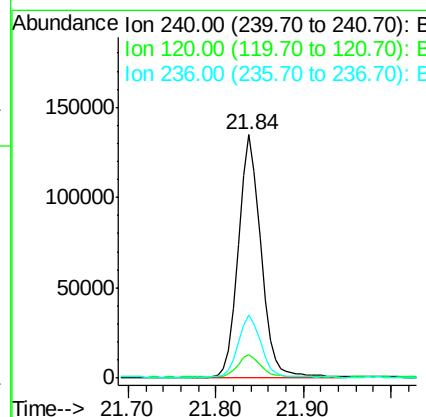
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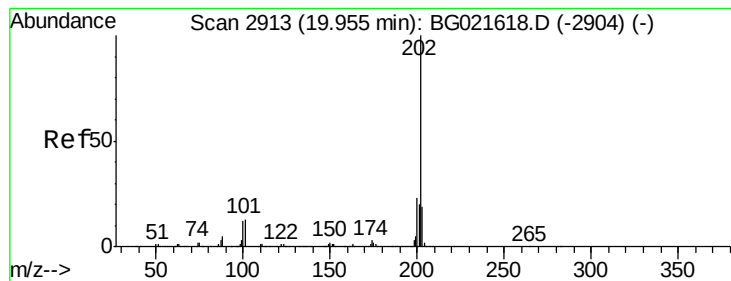
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.84 min Scan# 3234
Delta R.T. 0.00 min
Lab File: BG021788.D
Acq: 20 Apr 2016 17:03

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.7	8.4	12.6
236	26.2	19.6	29.4





#77

Pvrene

Concen: 16.63 ng

RT: 19.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG021788.D

Acq: 20 Apr 2016 17:03

Instrument :

BNA_G

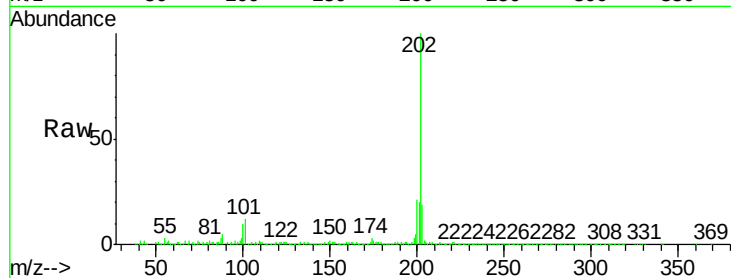
ClientSampleId :

SP-2-C-3(0-2)

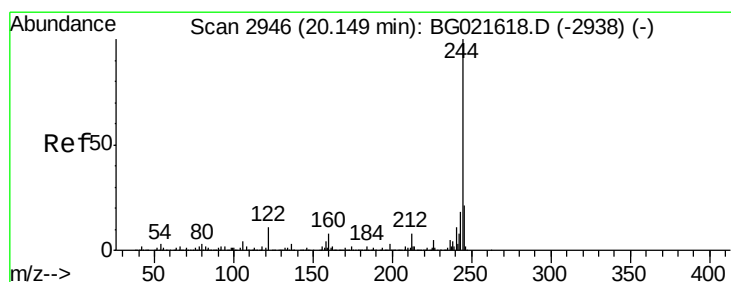
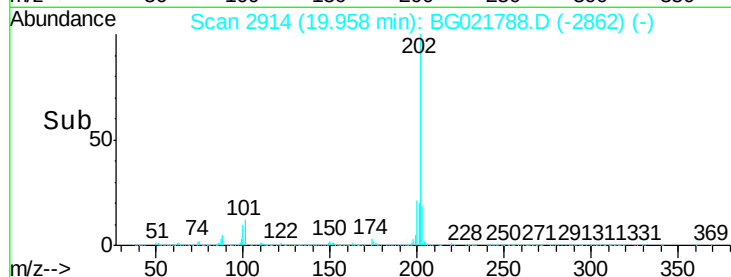
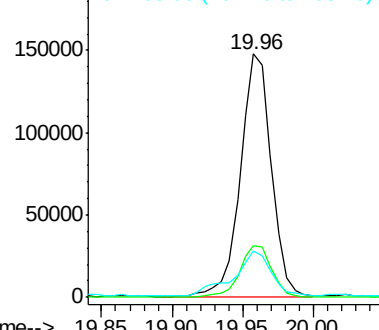
Tot Ion:	202	Resp:	224449
Ion Ratio		Lower	Upper
202	100		
200	21.3	18.2	27.2
203	19.0	15.0	22.4

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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: 40.05 ng

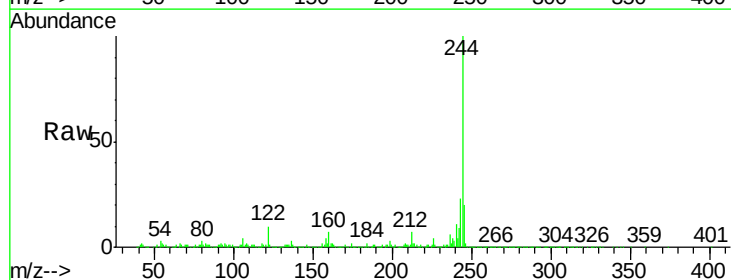
RT: 20.15 min Scan# 2946

Delta R.T. -0.00 min

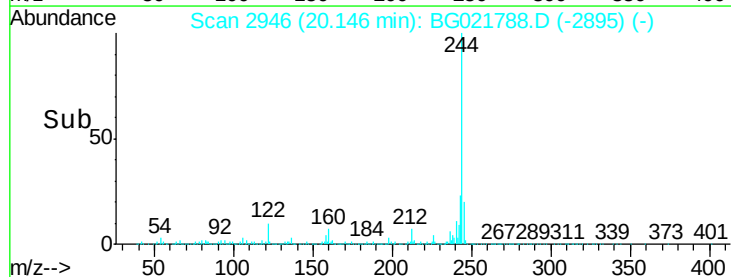
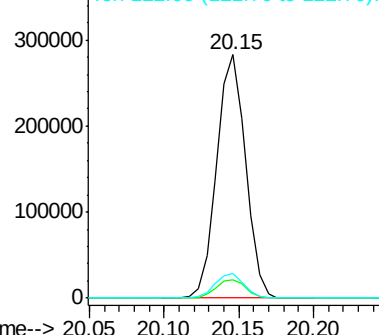
Lab File: BG021788.D

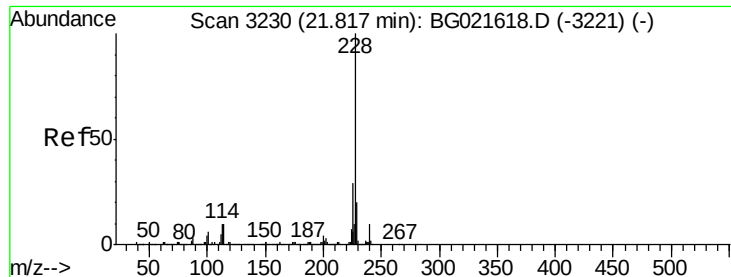
Acq: 20 Apr 2016 17:03

Tgt Ion:	244	Resp:	375638
Ion Ratio		Lower	Upper
244	100		
212	7.5	6.5	9.7
122	10.4	8.6	12.8



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





#80

Benzo(a)anthracene

Concen: 9.20 ng

RT: 21.82 min Scan# 3231

Delta R.T. 0.00 min

Lab File: BG021788.D

Acq: 20 Apr 2016 17:03

Instrument :

BNA_G

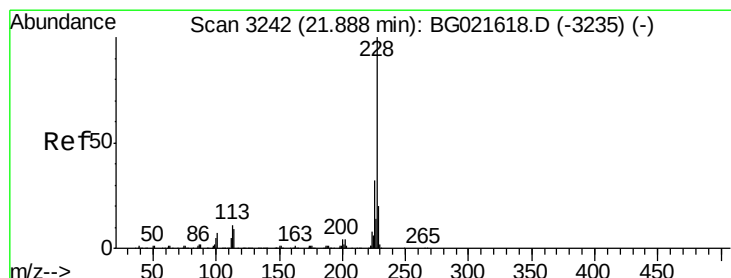
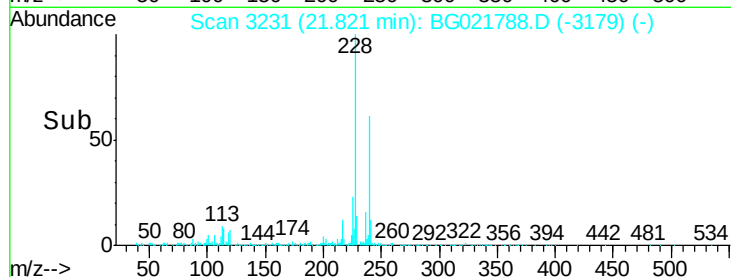
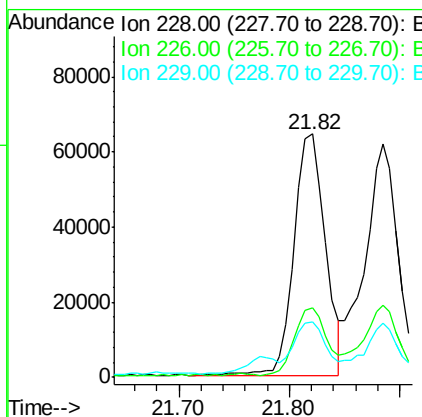
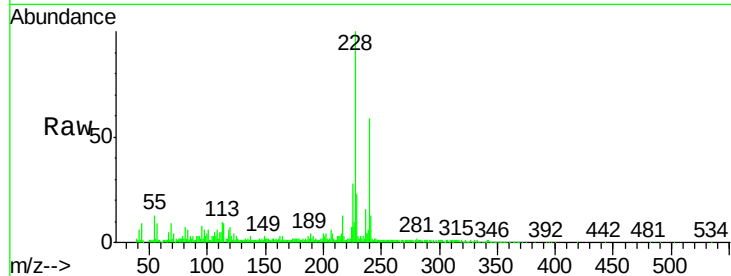
ClientSampleId :

SP-2-C-3(0-2)

Tot Ion:	228	Resp:	123966
Ion Ratio		Lower	Upper
228	100		
226	28.4	22.6	34.0
229	23.0	16.1	24.1

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#82

Chrysene

Concen: 9.69 ng

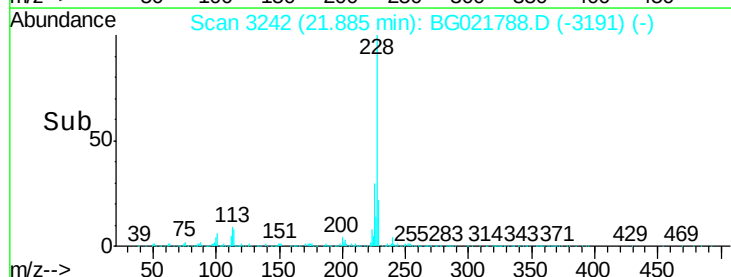
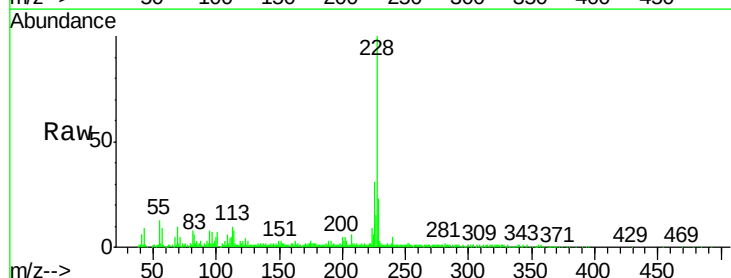
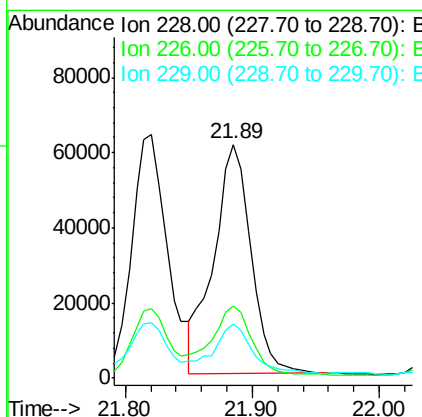
RT: 21.89 min Scan# 3242

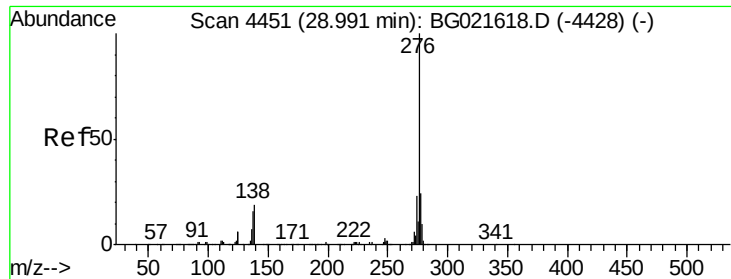
Delta R.T. -0.00 min

Lab File: BG021788.D

Acq: 20 Apr 2016 17:03

Tgt Ion:	228	Resp:	125395
Ion Ratio		Lower	Upper
228	100		
226	31.0	25.4	38.0
229	23.1	15.9	23.9





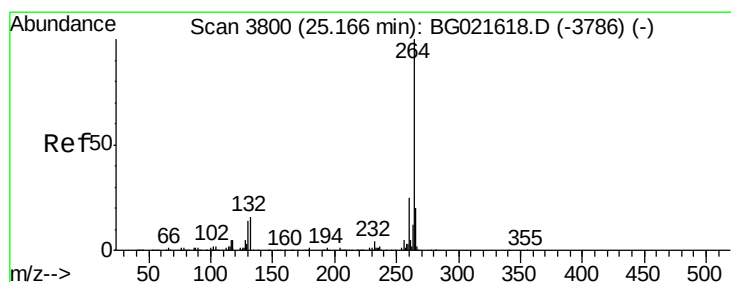
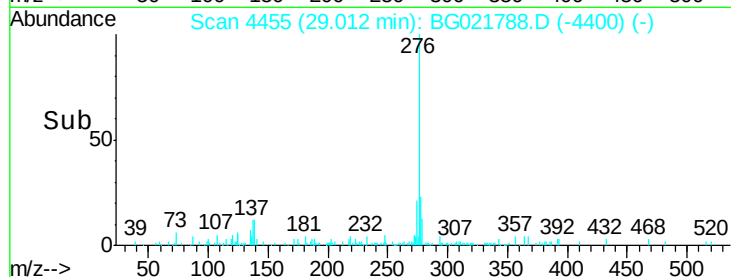
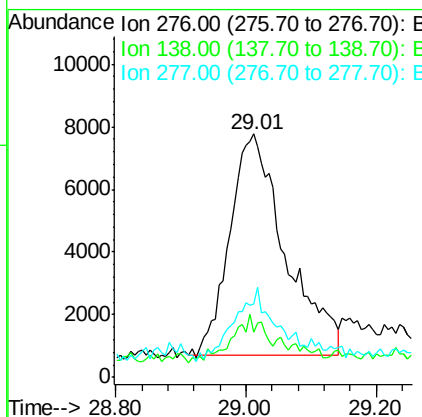
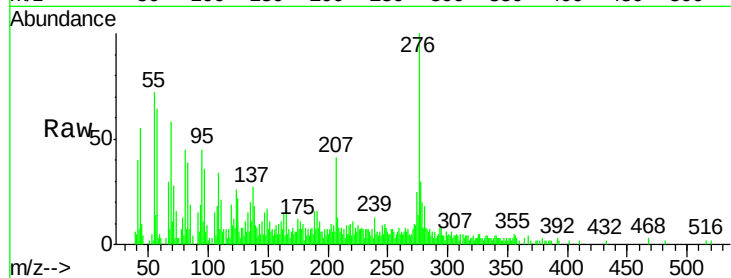
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.70 ng
 RT: 29.01 min Scan# 4455
 Delta R.T. 0.02 min
 Lab File: BG021788.D
 Acq: 20 Apr 2016 17:03

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-C-3(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.7	14.0	21.0#
277	25.9	20.6	30.8

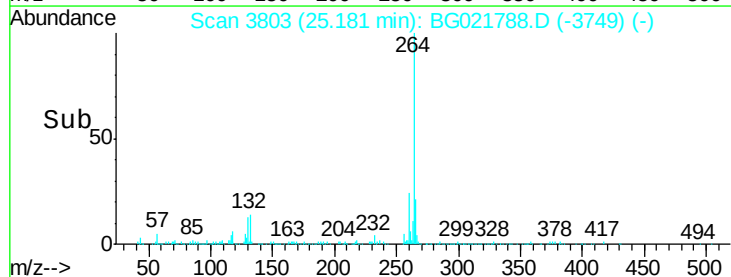
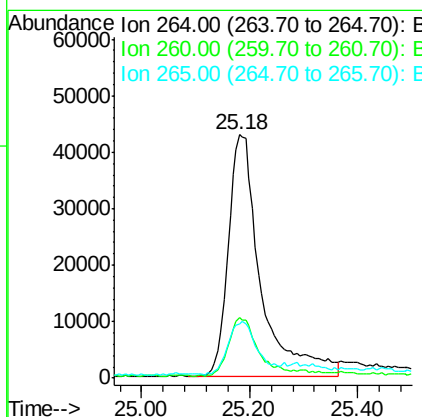
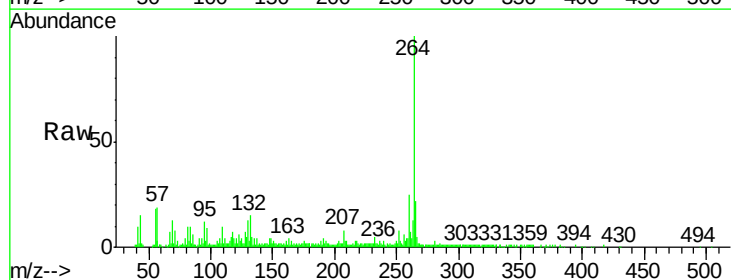
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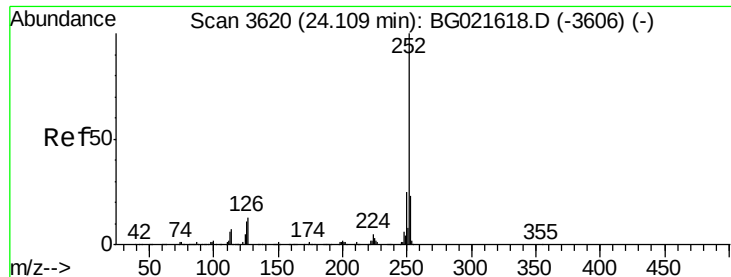
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.18 min Scan# 3803
 Delta R.T. 0.02 min
 Lab File: BG021788.D
 Acq: 20 Apr 2016 17:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.2	30.4
265	22.4	17.8	26.8





#87

Benzo(b)fluoranthene

Concen: 13.94 ng

RT: 24.12 min Scan# 3623

Delta R.T. 0.02 min

Lab File: BG021788.D

Acq: 20 Apr 2016 17:03

Instrument :

BNA_G

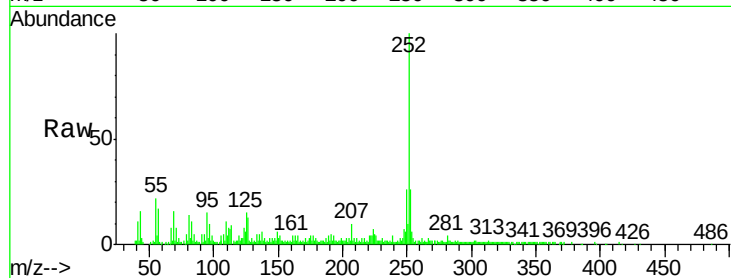
ClientSampleId :

SP-2-C-3(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.5	26.3
125	14.5	8.6	13.0

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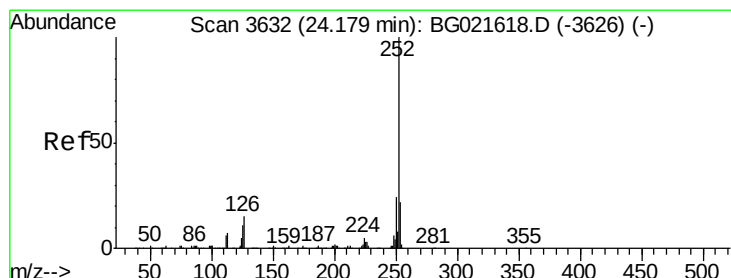
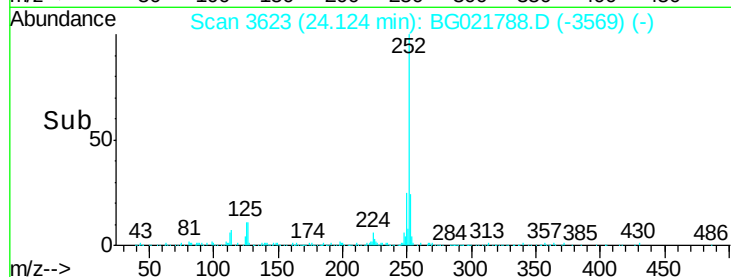
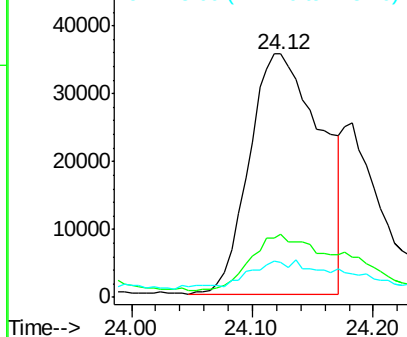


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 6.46 ng m

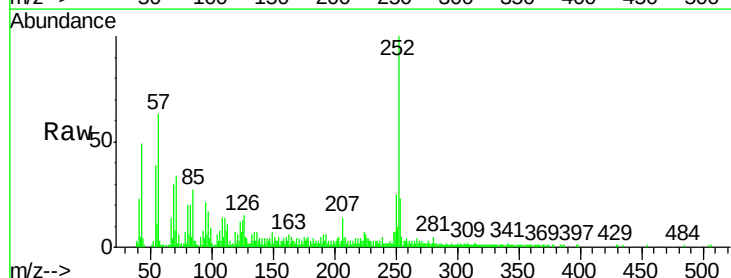
RT: 24.18 min Scan# 3633

Delta R.T. 0.00 min

Lab File: BG021788.D

Acq: 20 Apr 2016 17:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	13.3	8.3	12.5

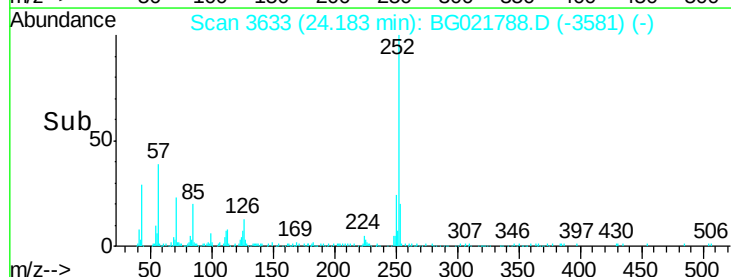
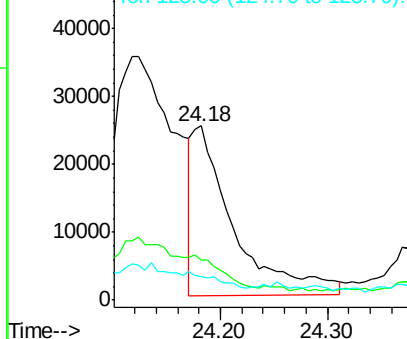


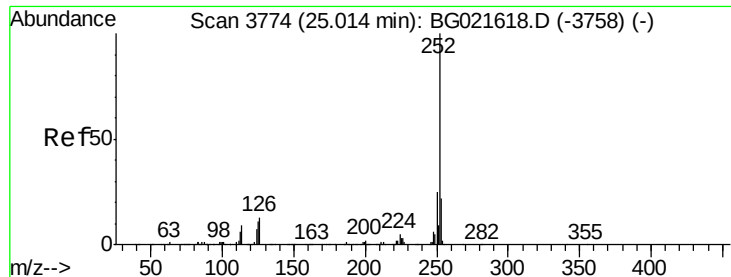
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





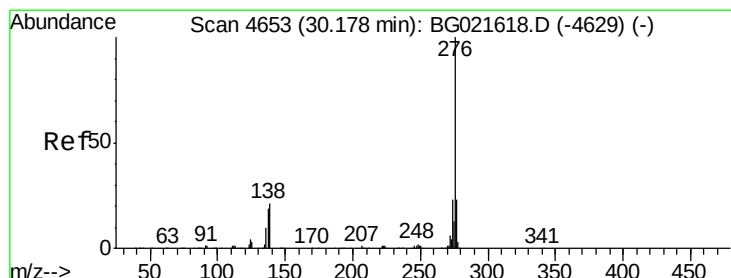
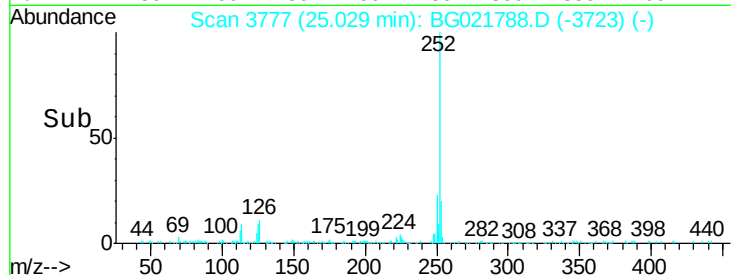
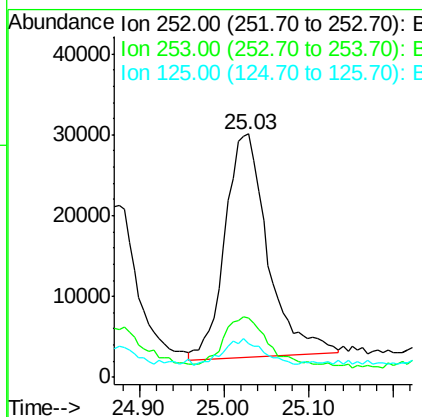
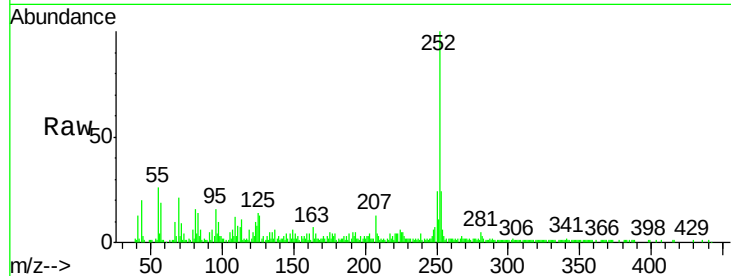
#89
Benzo(a)pyrene
Concen: 9.53 ng
RT: 25.03 min Scan# 3777
Delta R.T. 0.02 min
Lab File: BG021788.D
Acq: 20 Apr 2016 17:03

Instrument :
BNA_G
ClientSampleId :
SP-2-C-3(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	13.7	9.6	14.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.03 ng
RT: 30.20 min Scan# 4658
Delta R.T. 0.03 min
Lab File: BG021788.D
Acq: 20 Apr 2016 17:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.8	19.4	29.2
138	27.6	17.4	26.0

