

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033175.D
 Acq On : 15 Mar 2018 10:46
 Operator : SJ/JU
 Sample : J1908-05DL 2X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-BDL

Manual Integrations
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Sohil
 3/15/2018 7:00:26 PM

Quant Time: Mar 15 11:33:58 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	39931	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	189344	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	118281	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	254054	20.00	ng	0.00
75) Chrysene-d12	22.60	240	237220	20.00	ng	0.00
86) Perylene-d12	26.41	264	264318	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	123974	49.67	ng	0.00
7) Phenol-d6	8.00	99	174990	50.30	ng	0.00
23) Nitrobenzene-d5	10.10	82	107195	44.62	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	69453	55.84	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	248935	30.35	ng	0.00
78) Terphenyl-d14	20.76	244	338443	32.05	ng	0.00
Target Compounds						
57) Fluorene	16.55	166	29011	3.136	ng	97
70) Phenanthrene	18.29	178	491599	34.684	ng	99
71) Anthracene	18.38	178	140369	9.865	ng	99
73) Di-n-butylphthalate	19.13	149	71634	4.163	ng	99
74) Fluoranthene	20.24	202	1018849	65.074	ng	96
77) Pyrene	20.60	202	856296	51.187	ng	98
80) Benzo(a)anthracene	22.58	228	517193	34.000	ng	99
82) Chrysene	22.66	228	425787	29.302	ng	97
85) Indeno(1,2,3-cd)pyrene	30.81	276	309914	18.288	ng	98
87) Benzo(b)fluoranthene	25.18	252	609291	38.986	ng	99
88) Benzo(k)fluoranthene	25.25	252	225090m	14.492	ng	
89) Benzo(a)pyrene	26.22	252	457921	30.806	ng	99
90) Dibenzo(a,h)anthracene	30.87	278	80998m	5.413	ng	
91) Benzo(g,h,i)perylene	32.20	276	280162	18.995	ng	99

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

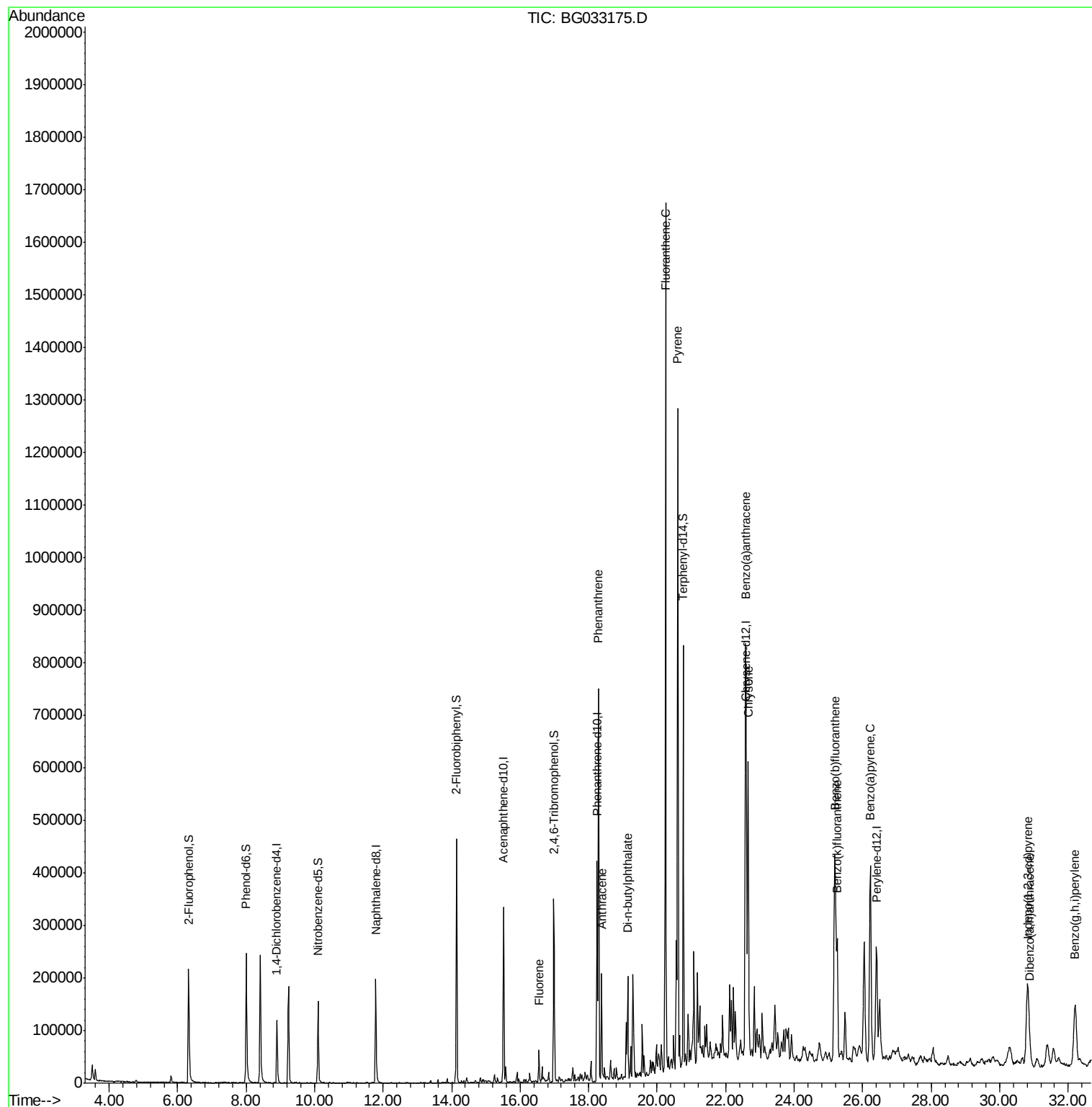
Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
Data File : BG033175.D
Acq On : 15 Mar 2018 10:46
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ALS Vial : 32 Sample Multiplier: 1

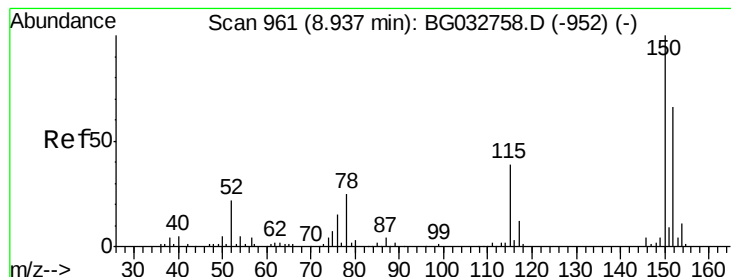
Instrument :
BNA_G
ClientSampleId :
TP-BDL

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Quant Time: Mar 15 11:33:58 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 14 13:59:34 2018
Response via : Initial Calibration





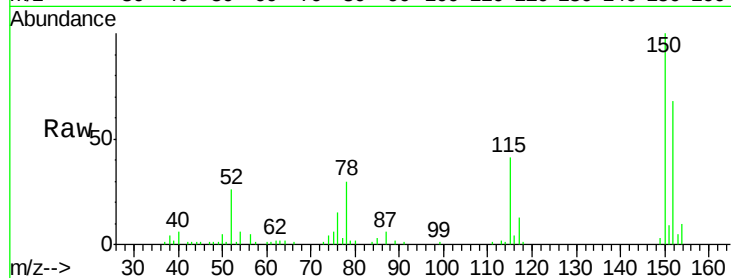
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.89 min Scan# 954
 Delta R.T. -0.00 min
 Lab File: BG033175.D
 Acq: 15 Mar 2018 10:46

Instrument :
 BNA_G
 ClientSampled :
 TP-BDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.8	126.6	189.8
115	60.1	53.0	79.4

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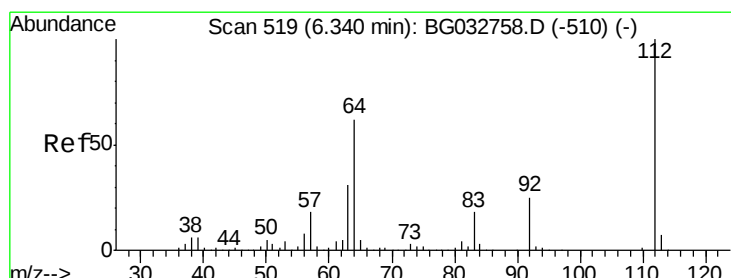
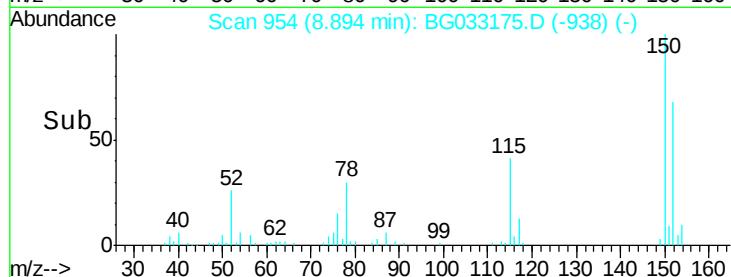
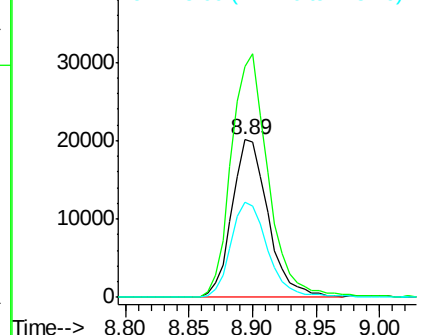


Abundance

Ion 152.00 (151.70 to 152.70): E

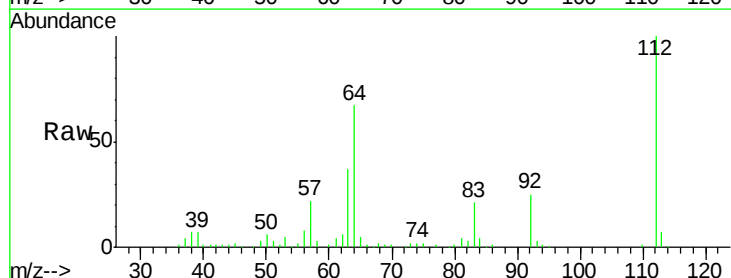
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 49.671 ng
 RT: 6.32 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: BG033175.D
 Acq: 15 Mar 2018 10:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	56.3	84.5
63	37.0	30.1	45.1

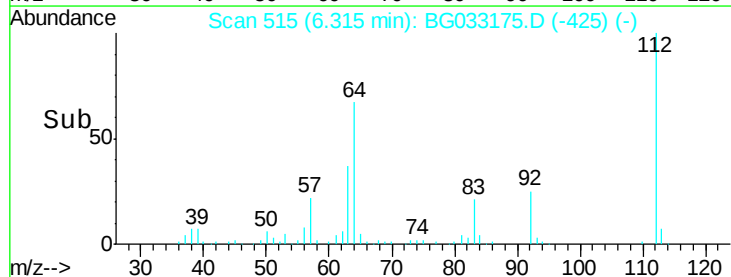
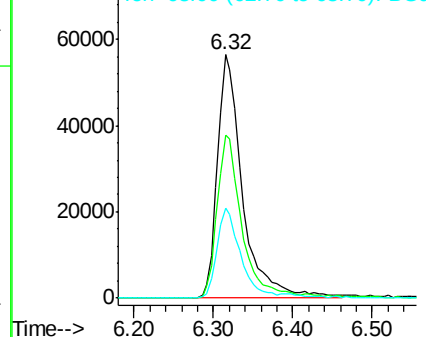


Abundance

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: 50.300 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

Instrument :

BNA_G

ClientSampled :

TP-BDL

Tot Ion: 99 Resp: 174990

Ion Ratio Lower Upper

99 100

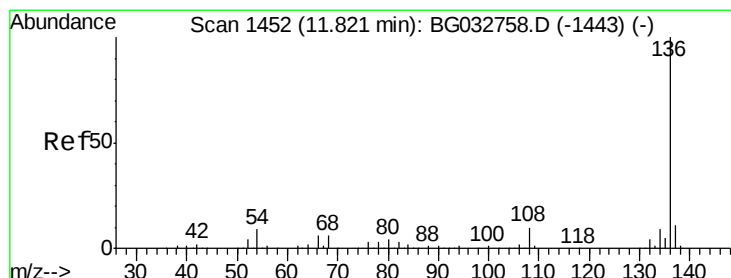
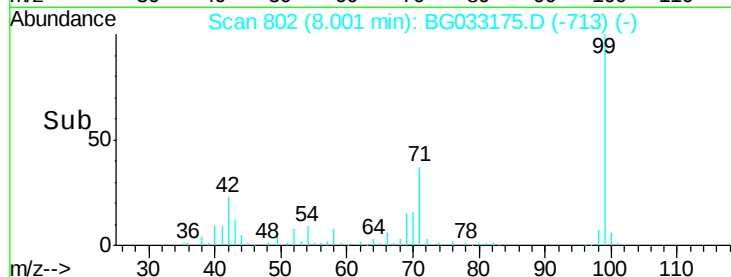
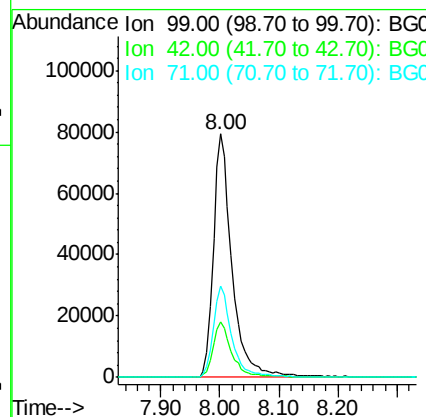
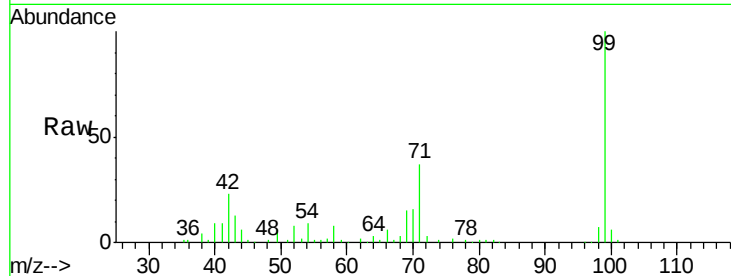
42 22.9 14.1 21.1#

71 37.3 26.1 39.1

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.78 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

Tgt Ion: 136 Resp: 189344

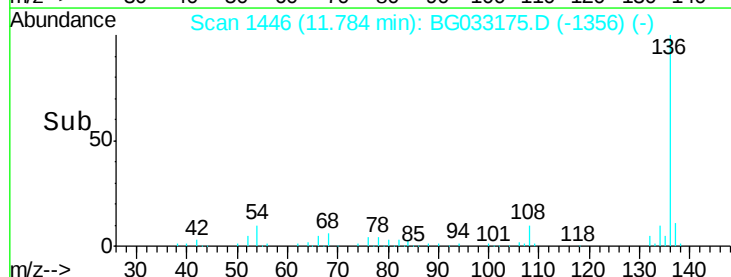
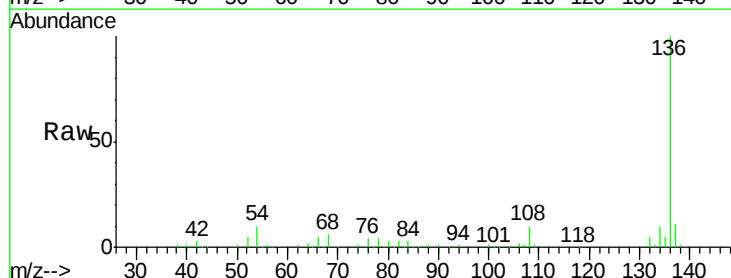
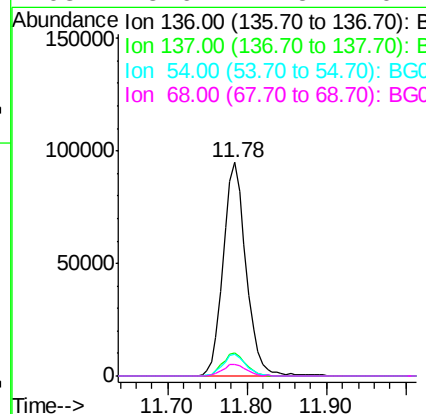
Ion Ratio Lower Upper

136 100

137 10.7 9.2 13.8

54 10.2 10.3 15.5#

68 5.6 4.5 6.7





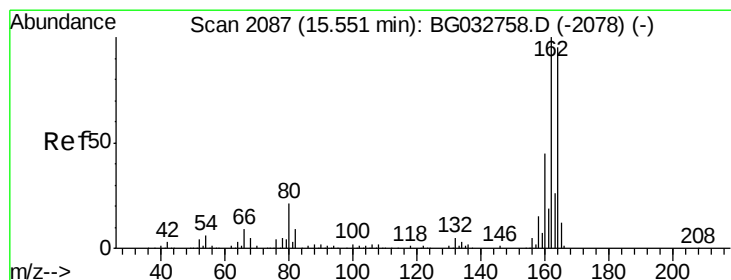
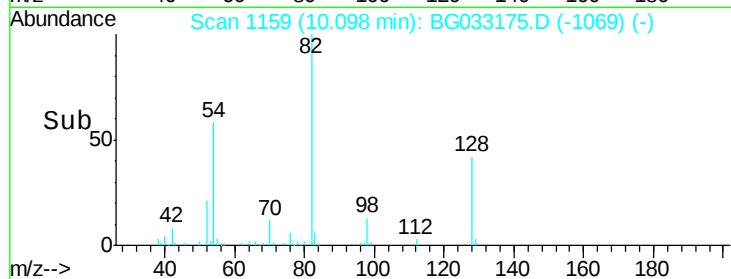
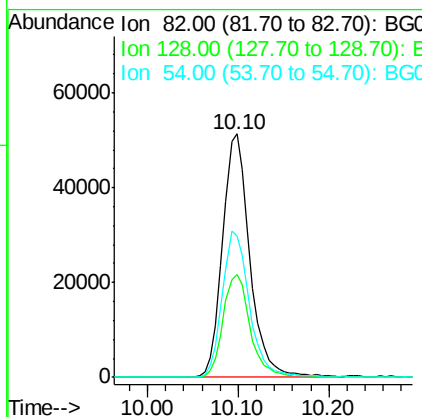
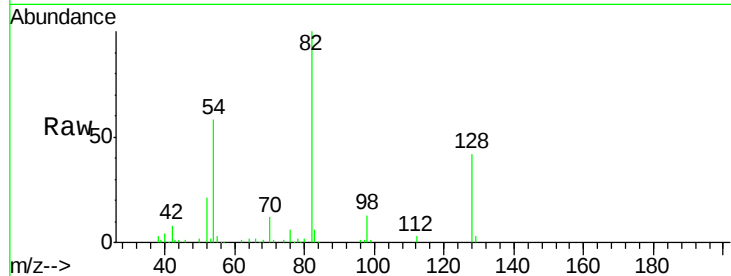
#23
Nitrobenzene-d5
Concen: 44.618 ng
RT: 10.10 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BG033175.D
Acq: 15 Mar 2018 10:46

Instrument :
BNA_G
ClientSampled :
TP-BDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.2	29.7	44.5
54	57.9	43.1	64.7

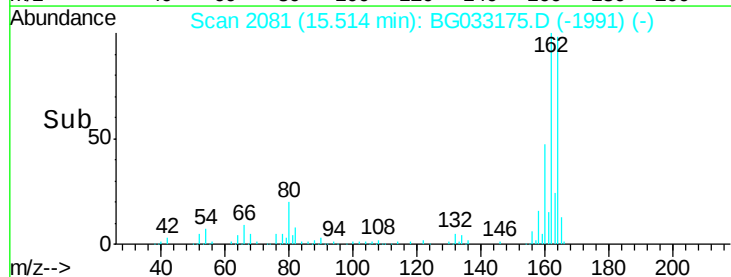
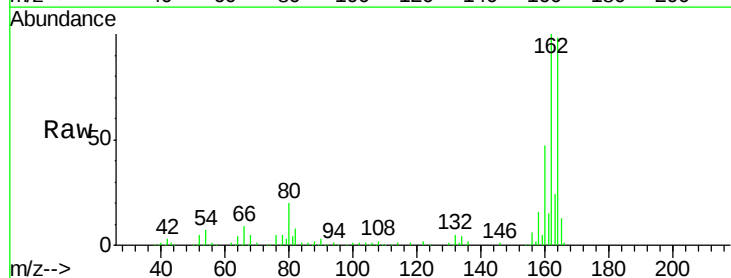
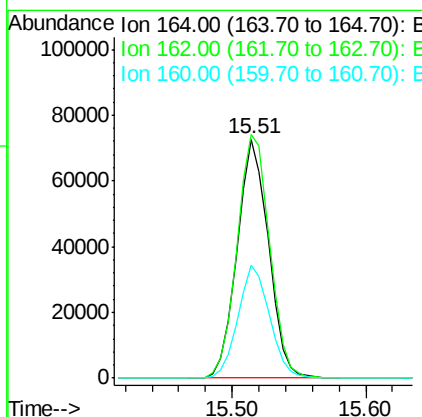
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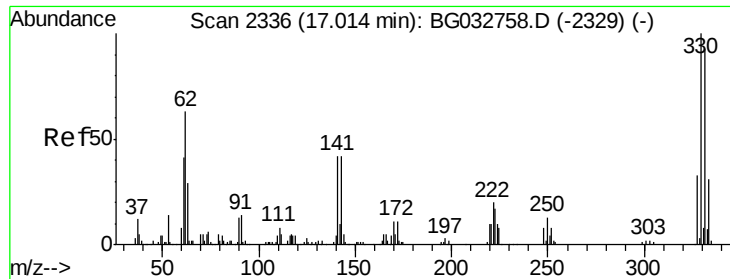
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.00 min
Lab File: BG033175.D
Acq: 15 Mar 2018 10:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	78.8	118.2
160	47.4	35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 55.845 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

Instrument :

BNA_G

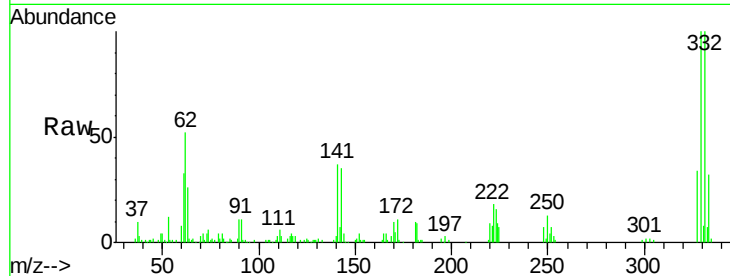
ClientSampled :

TP-BDL

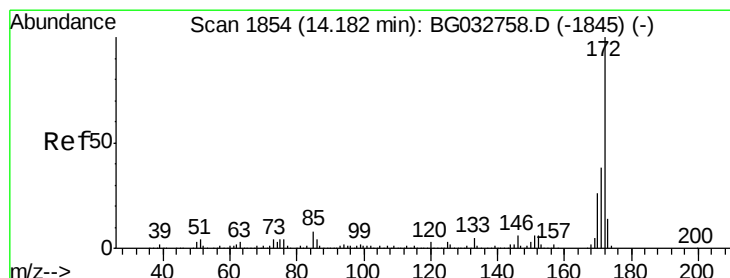
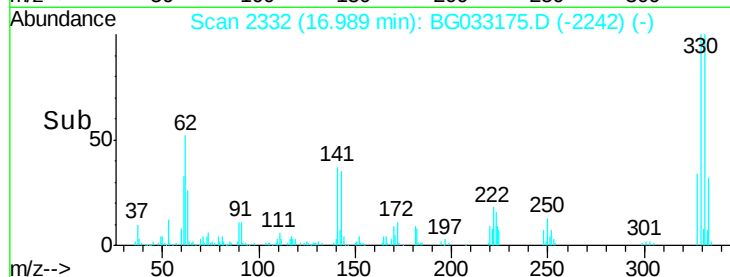
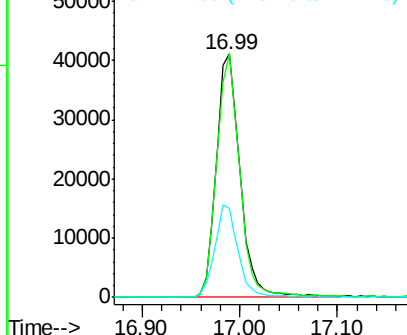
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	37.2	25.2	37.8

Manual Integrations
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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: 30.354 ng

RT: 14.14 min Scan# 1847

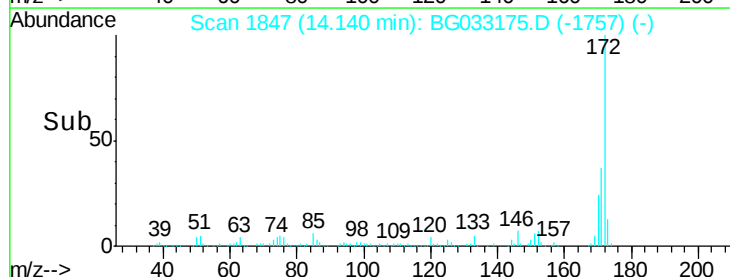
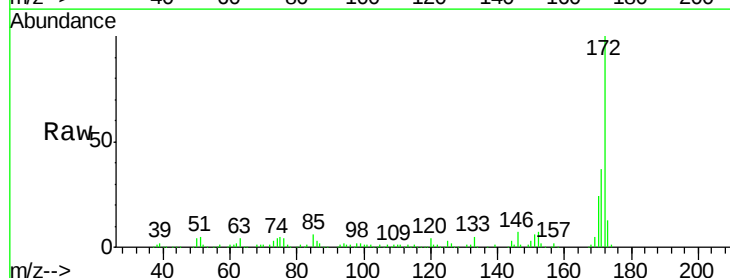
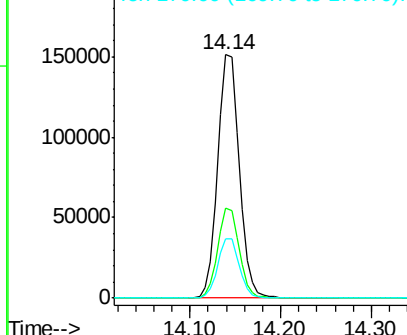
Delta R.T. -0.00 min

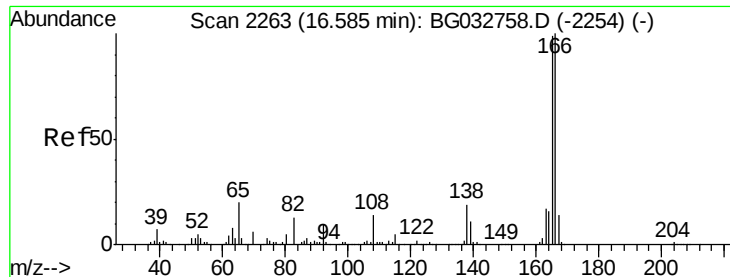
Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.0	45.0
170	24.5	19.5	29.3

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





#57

Fluorene

Concen: 3.136 ng

RT: 16.55 min Scan# 2257

Delta R.T. -0.00 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

Instrument :

BNA_G

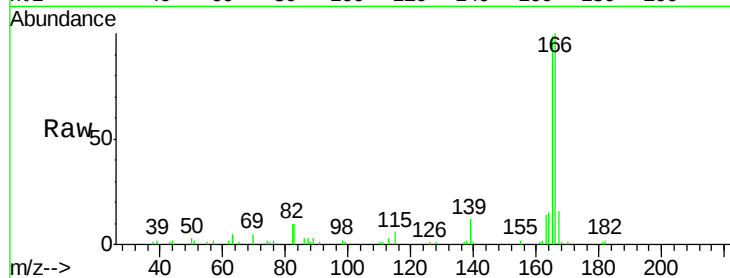
ClientSampled :

TP-BDL

Tot Ion:	166	Resp:	29011
Ion Ratio		Lower	Upper
166	100		
165	98.8	80.6	121.0
167	15.6	10.4	15.6

Manual Integrations
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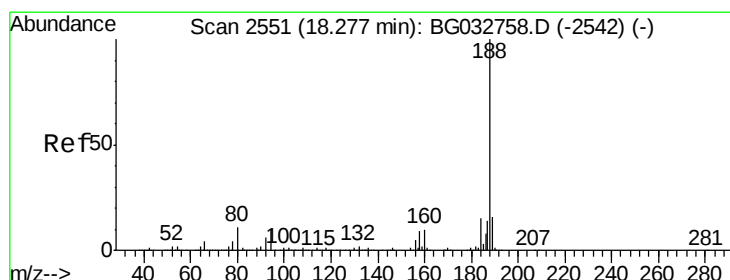
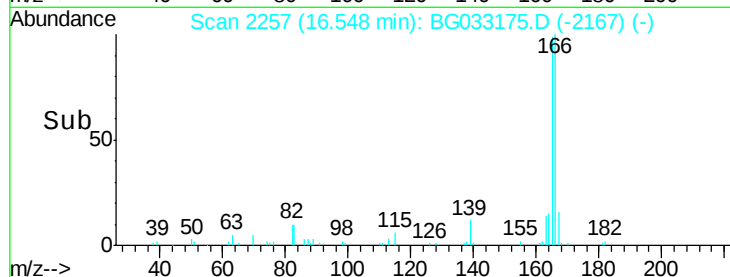
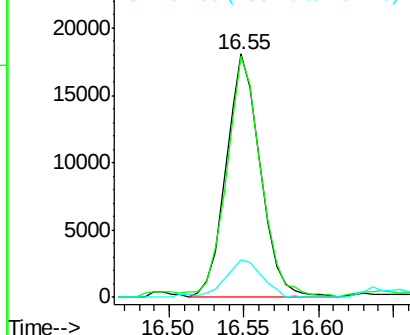


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.25 min Scan# 2546

Delta R.T. -0.00 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

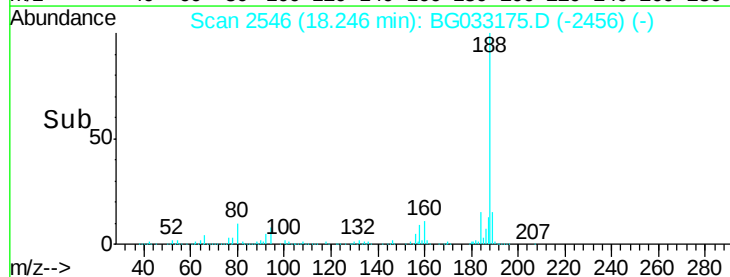
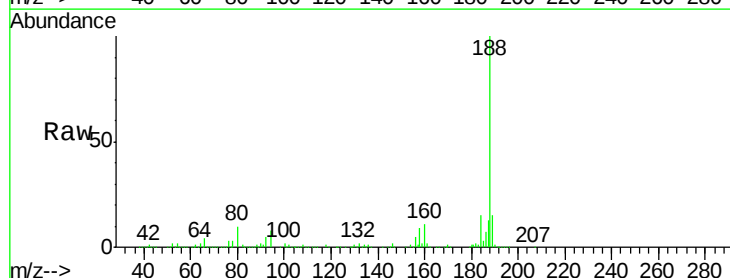
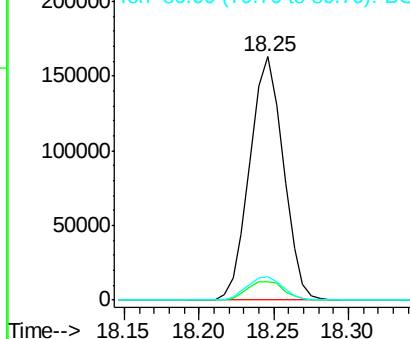
Tgt Ion:	188	Resp:	254054
Ion Ratio		Lower	Upper
188	100		
94	7.8	6.9	10.3
80	9.6	7.7	11.5

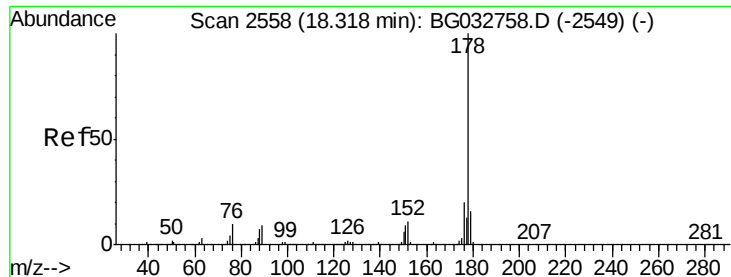
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





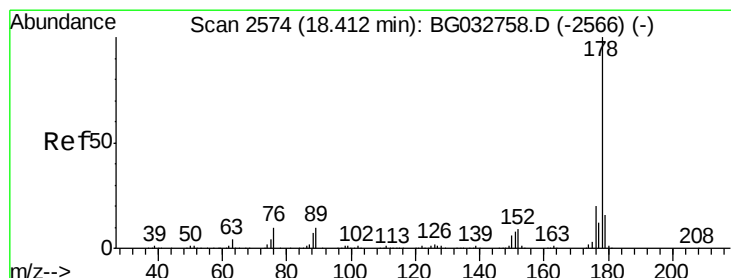
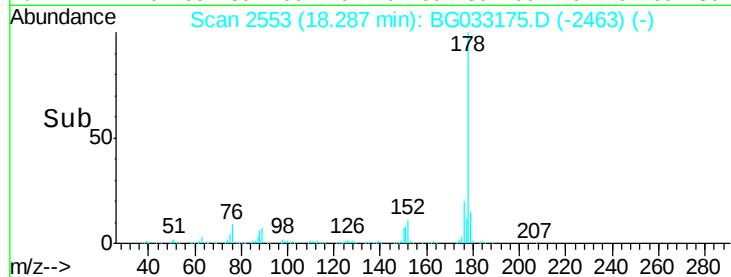
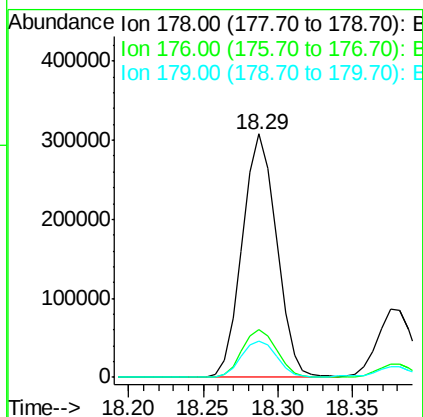
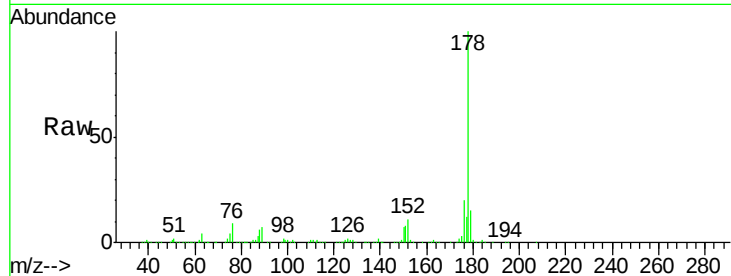
#70
Phenanthrene
Concen: 34.684 ng
RT: 18.29 min Scan# 2553
Delta R.T. -0.00 min
Lab File: BG033175.D
Acq: 15 Mar 2018 10:46

Instrument :
BNA_G
ClientSampled :
TP-BDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	15.1	12.5	18.7

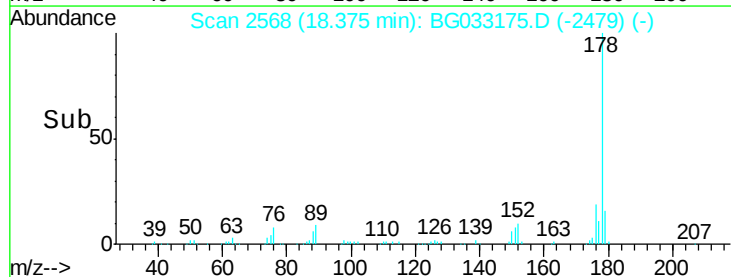
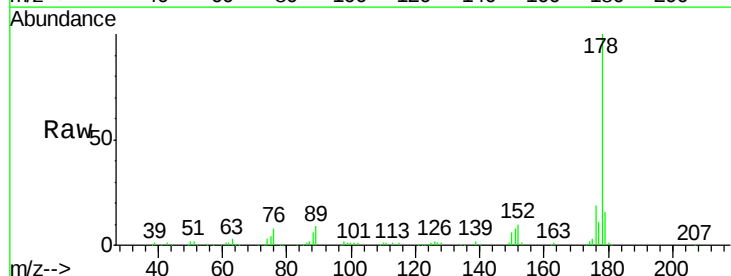
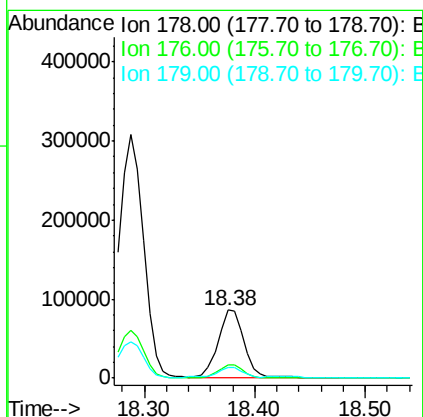
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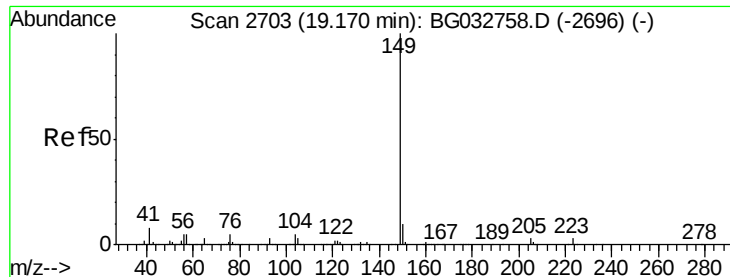
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#71
Anthracene
Concen: 9.865 ng
RT: 18.38 min Scan# 2568
Delta R.T. -0.01 min
Lab File: BG033175.D
Acq: 15 Mar 2018 10:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.0	24.0
179	15.8	12.5	18.7





#73

Di-n-butylphthalate

Concen: 4.163 ng

RT: 19.13 min Scan# 2696

Delta R.T. -0.00 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

Instrument :

BNA_G

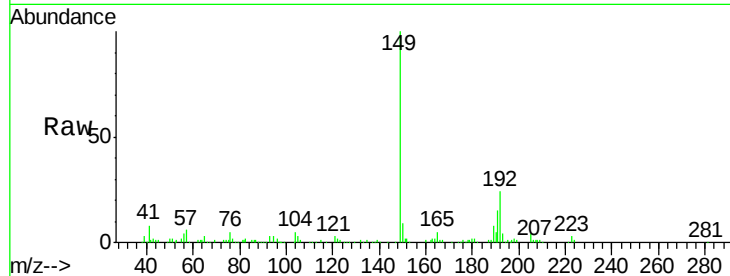
ClientSampleId :

TP-BDL

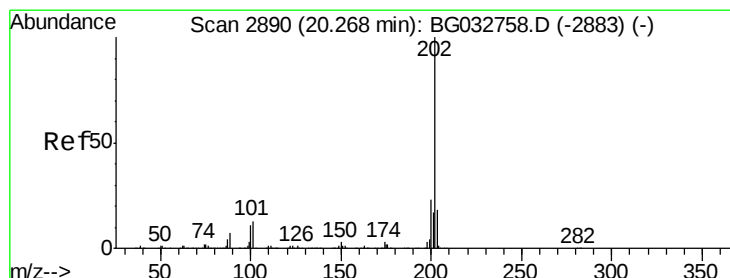
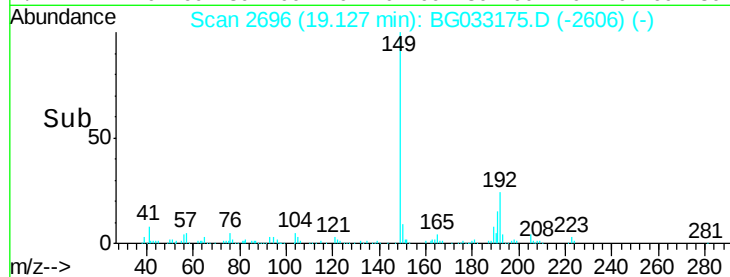
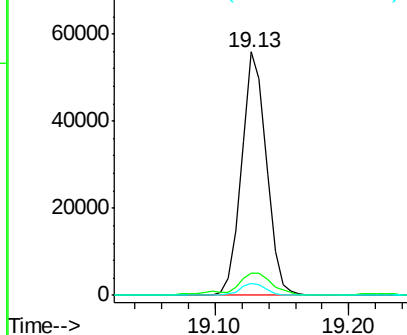
Tot Ion:	149	Resp:	71634
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.8	11.6
104	4.7	3.9	5.9

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 65.074 ng

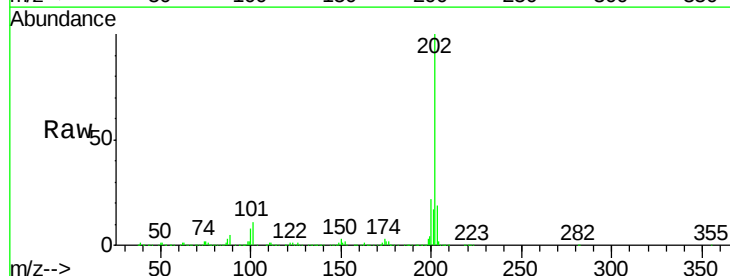
RT: 20.24 min Scan# 2886

Delta R.T. 0.00 min

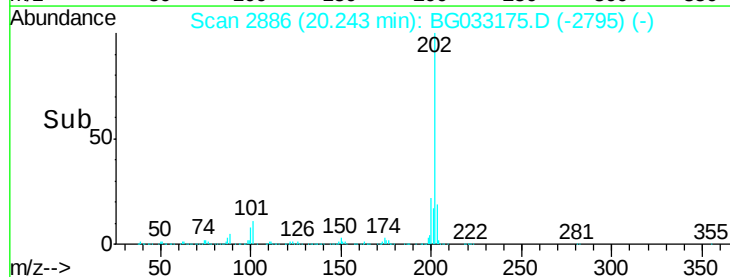
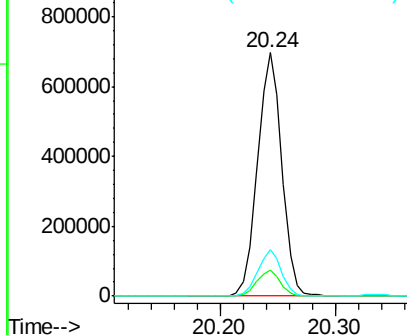
Lab File: BG033175.D

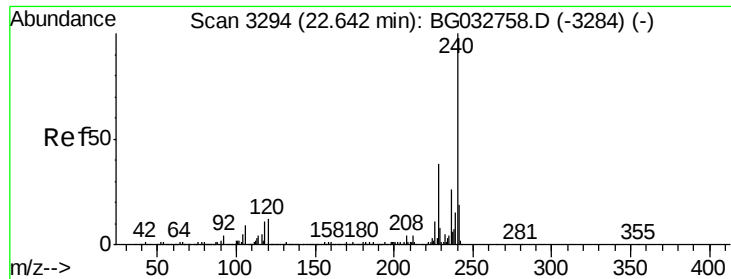
Acq: 15 Mar 2018 10:46

Tgt Ion:	202	Resp:	1018849
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	28.9
203	19.1	0.0	37.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3288

Delta R.T. -0.00 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

Instrument :

BNA_G

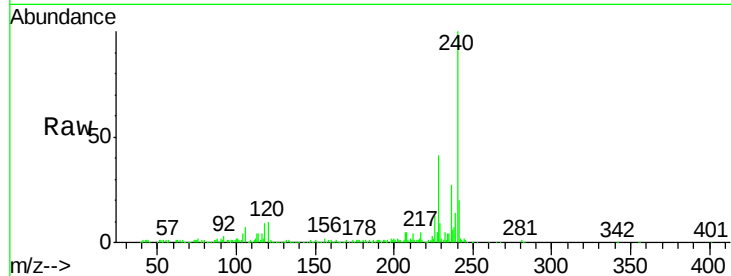
ClientSampled :

TP-BDL

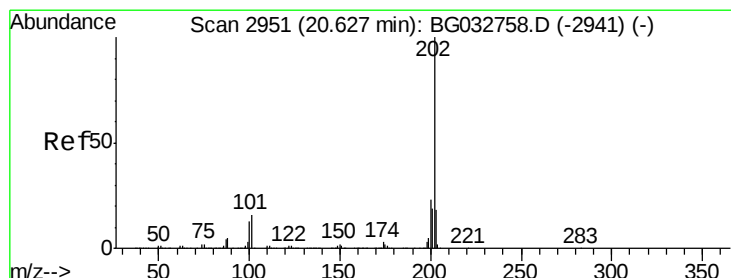
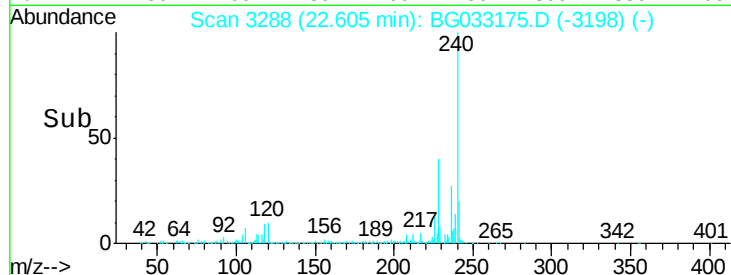
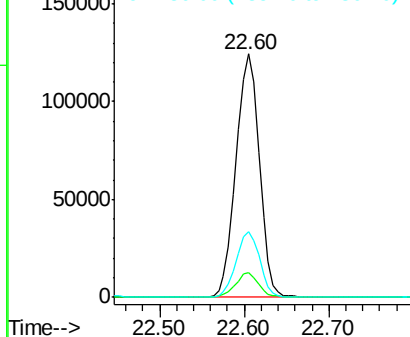
Tot Ion:	240	Resp:	237220
Ion Ratio	Lower	Upper	
240	100		
120	10.0	6.8	10.2
236	27.0	20.9	31.3

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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: 51.187 ng

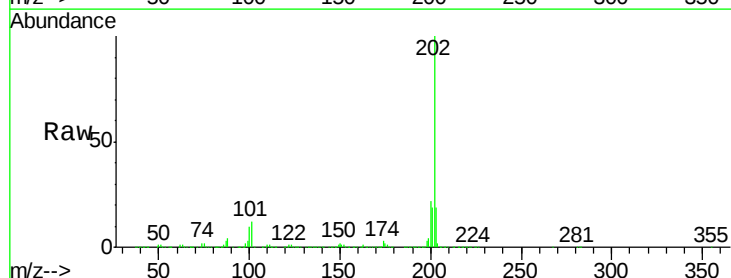
RT: 20.60 min Scan# 2947

Delta R.T. 0.00 min

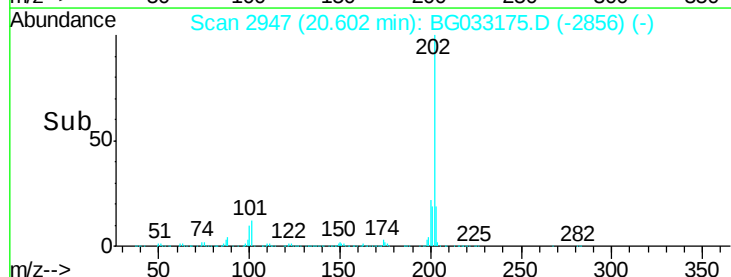
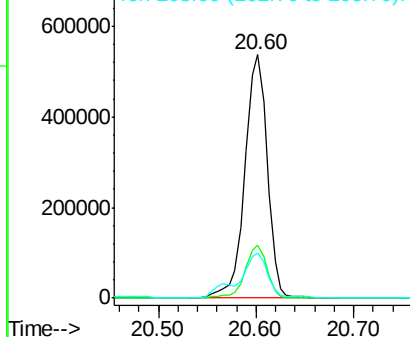
Lab File: BG033175.D

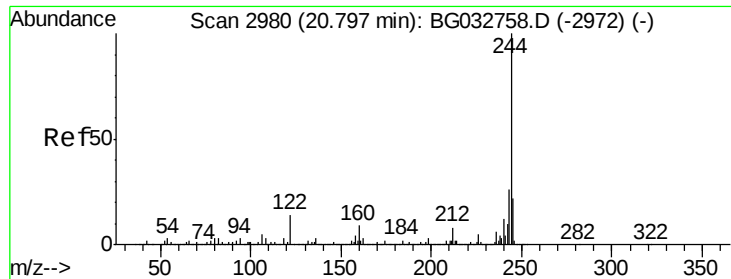
Acq: 15 Mar 2018 10:46

Tgt Ion:	202	Resp:	856296
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.9	25.3
203	18.7	13.9	20.9



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





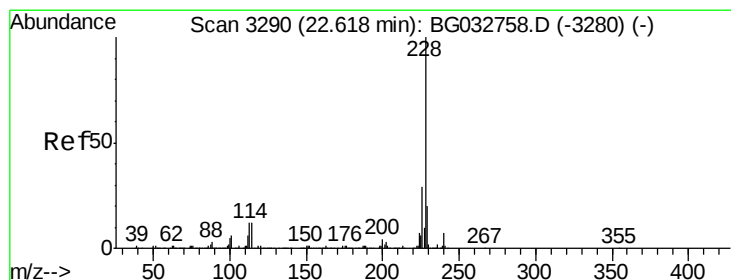
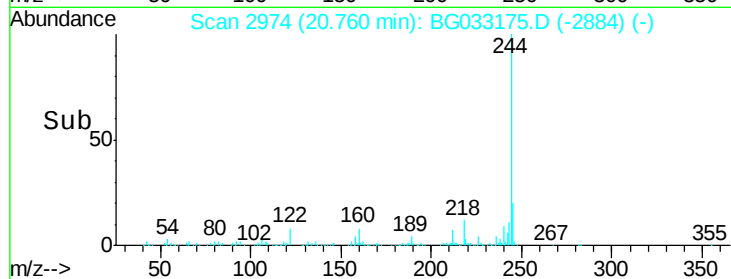
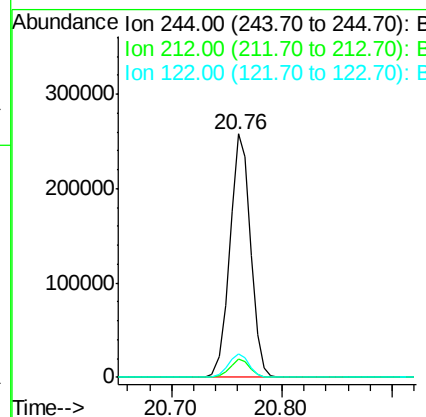
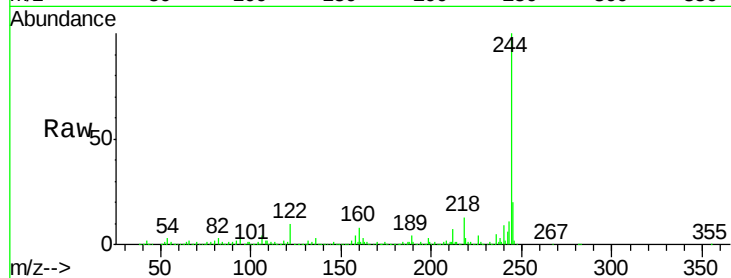
#78
 Terphenyl-d14
 Concen: 32.054 ng
 RT: 20.76 min Scan# 2974
 Delta R.T. -0.00 min
 Lab File: BG033175.D
 Acq: 15 Mar 2018 10:46

Instrument :
 BNA_G
 ClientSampled :
 TP-BDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	9.7	7.0	10.4

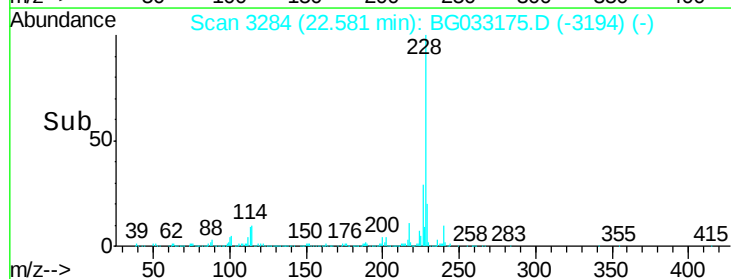
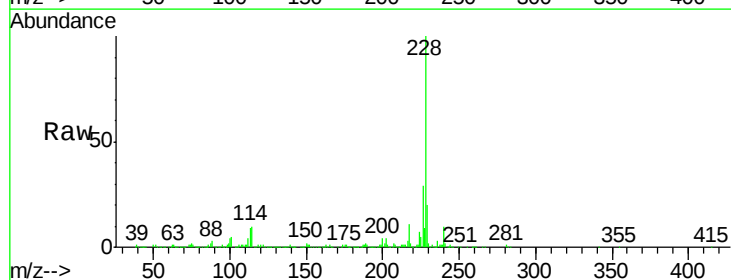
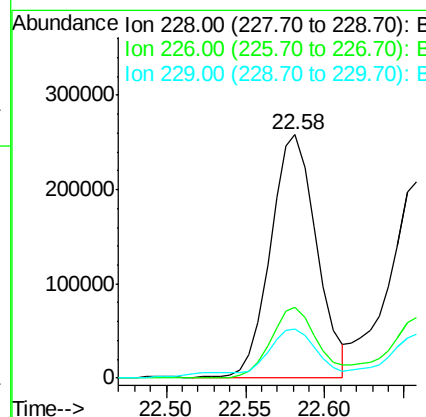
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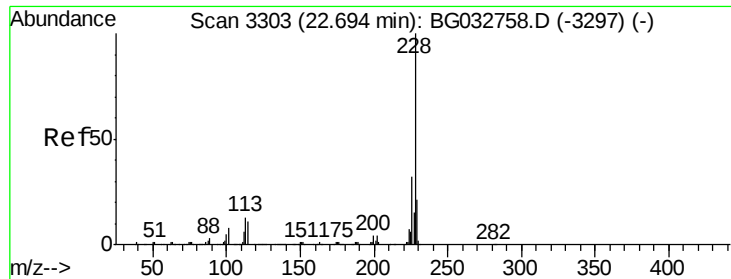
Sohil
 3/15/2018 7:00:26 PM



#80
 Benzo(a)anthracene
 Concen: 34.000 ng
 RT: 22.58 min Scan# 3284
 Delta R.T. -0.00 min
 Lab File: BG033175.D
 Acq: 15 Mar 2018 10:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.7	34.1
229	20.0	16.2	24.2





#82

Chrysene

Concen: 29.302 ng

RT: 22.66 min Scan# 3297

Delta R.T. -0.00 min

Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

Instrument :

BNA_G

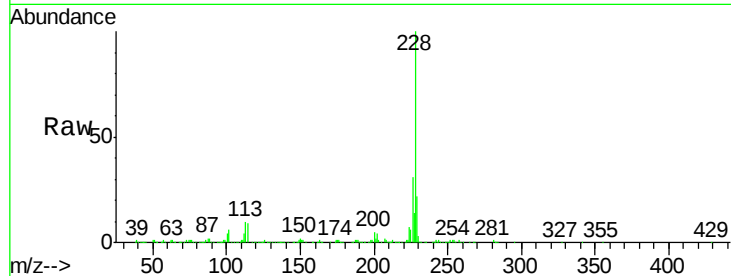
ClientSampleId :

TP-BDL

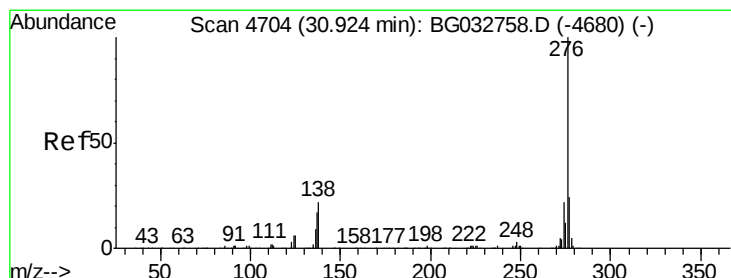
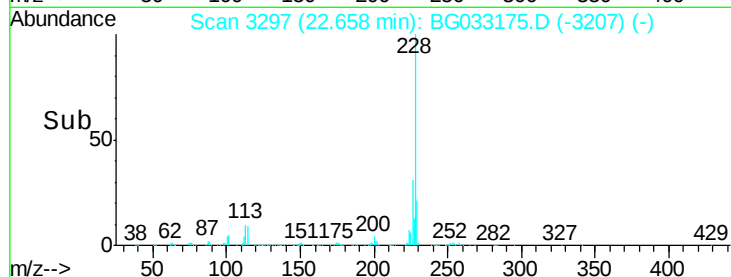
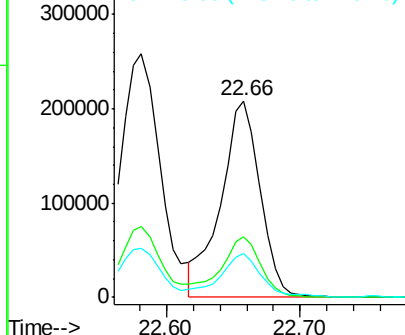
Tot Ion:	228	Resp:	425787
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.9	37.3
229	22.1	15.0	22.4

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 18.288 ng

RT: 30.81 min Scan# 4685

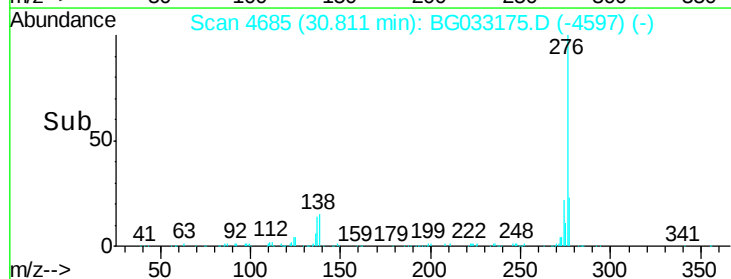
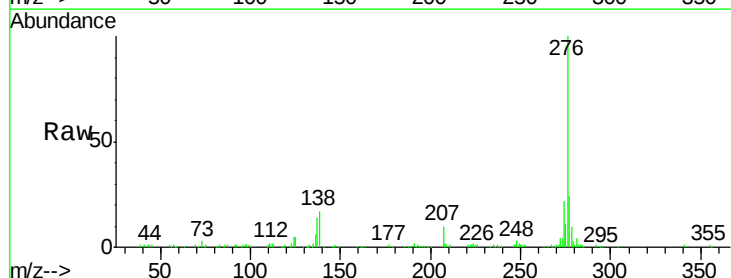
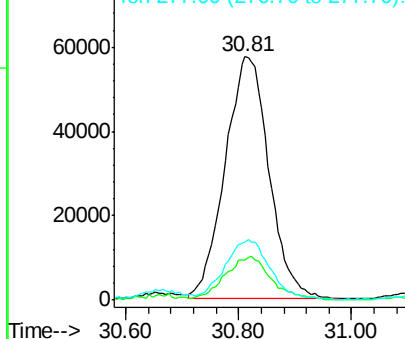
Delta R.T. -0.02 min

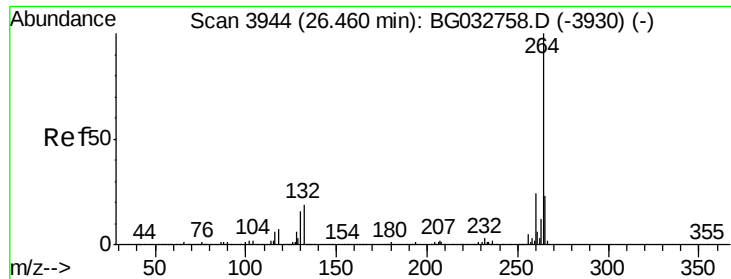
Lab File: BG033175.D

Acq: 15 Mar 2018 10:46

Tgt Ion:	276	Resp:	309914
Ion Ratio	Lower	Upper	
276	100		
138	19.2	16.0	24.0
277	26.0	20.0	30.0

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





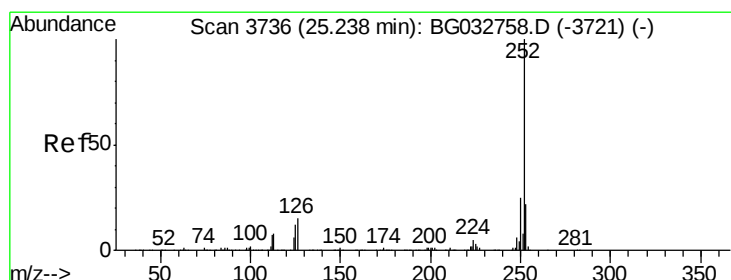
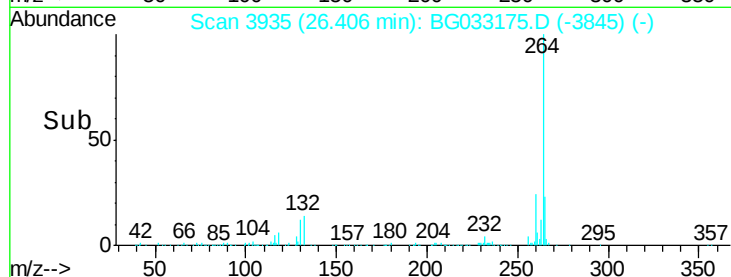
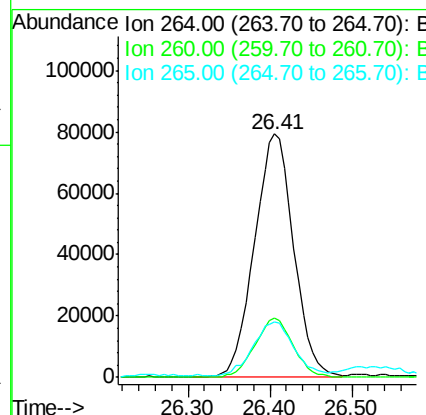
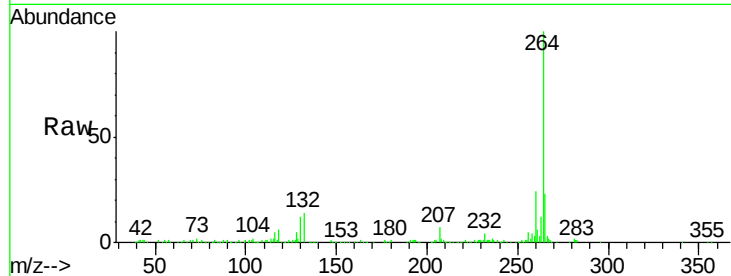
#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.41 min Scan# 3935
Delta R.T. -0.00 min
Lab File: BG033175.D
Acq: 15 Mar 2018 10:46

Instrument :
BNA_G
ClientSampled :
TP-BDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	17.4	26.0
265	23.0	17.7	26.5

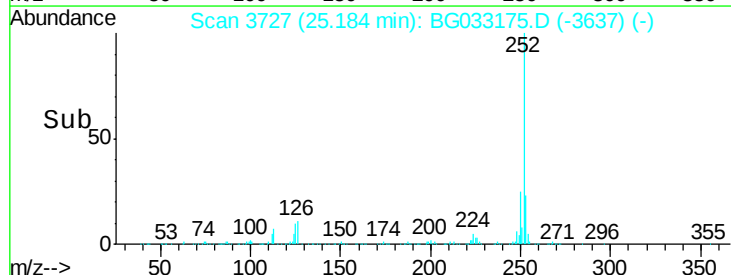
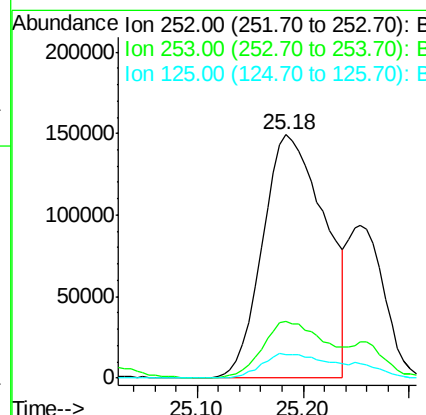
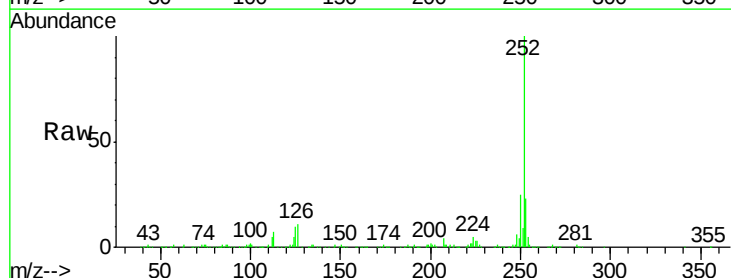
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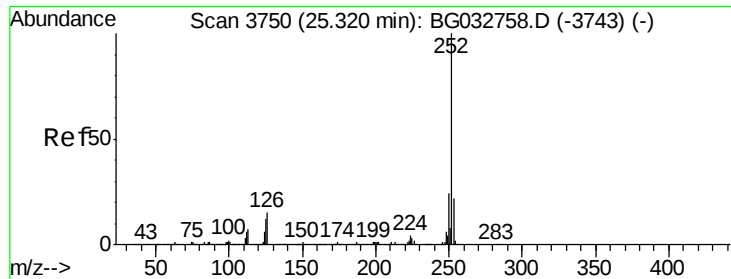
Sohil
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#87
Benzo(b)fluoranthene
Concen: 38.986 ng
RT: 25.18 min Scan# 3727
Delta R.T. -0.00 min
Lab File: BG033175.D
Acq: 15 Mar 2018 10:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	9.7	7.2	10.8





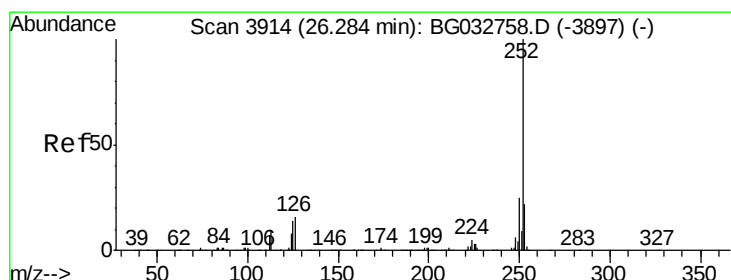
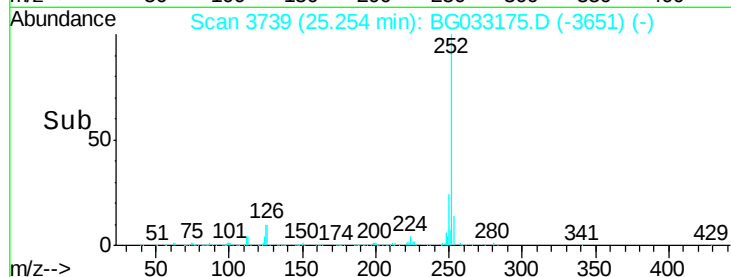
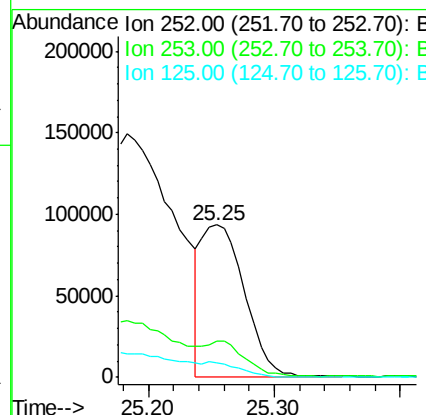
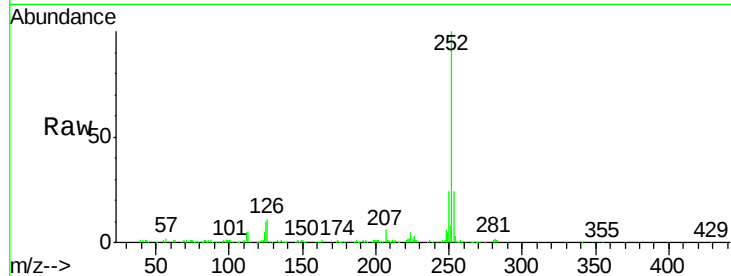
#88
Benzo(k)fluoranthene
Concen: 14.492 ng
RT: 25.25 min Scan# 3739
Delta R.T. -0.02 min
Lab File: BG033175.D
Acq: 15 Mar 2018 10:46

Instrument :
BNA_G
ClientSampleId :
TP-BDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	9.7	6.6	9.8

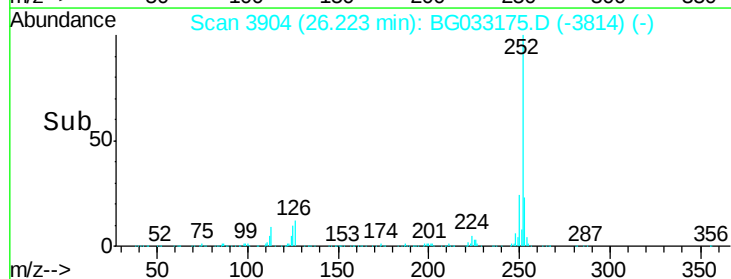
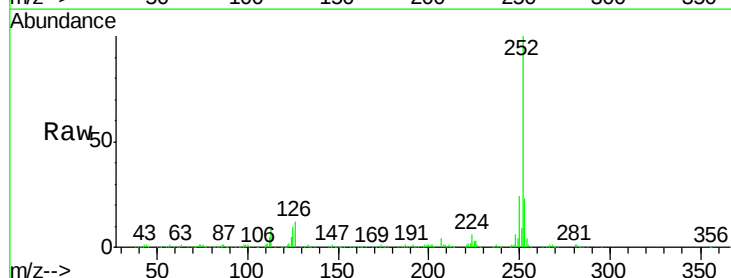
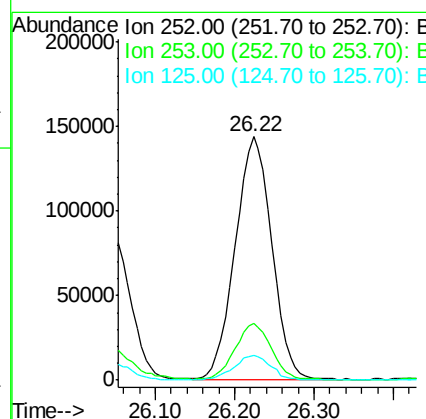
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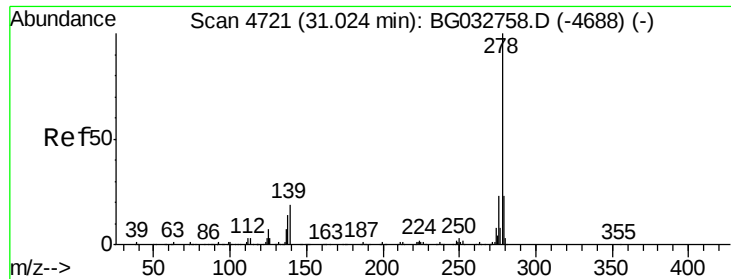
Sohil
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#89
Benzo(a)pyrene
Concen: 30.806 ng
RT: 26.22 min Scan# 3904
Delta R.T. -0.00 min
Lab File: BG033175.D
Acq: 15 Mar 2018 10:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.3	27.5
125	10.0	7.3	10.9





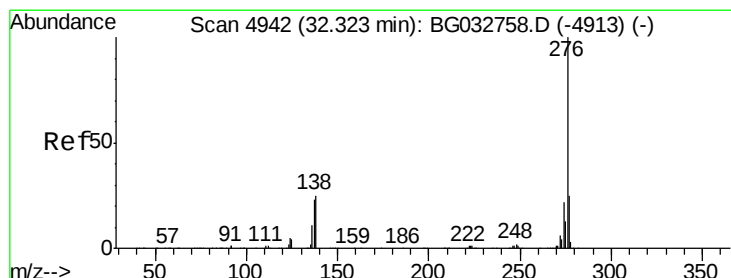
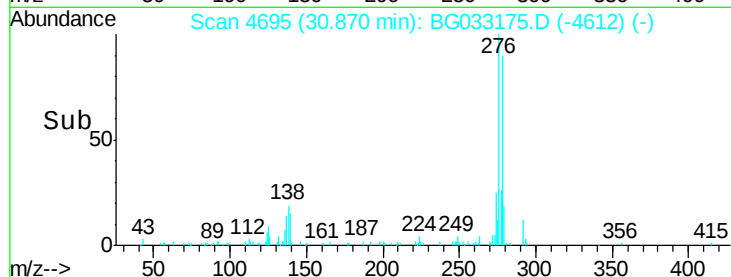
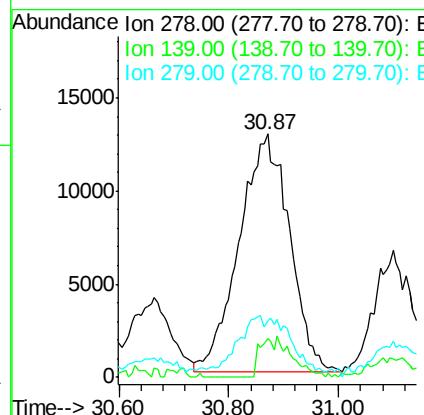
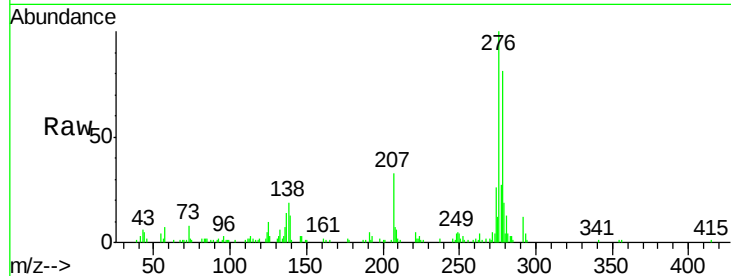
#90
Dibenzo(a,h)anthracene
Concen: 5.413 ng m
RT: 30.87 min Scan# 4695
Delta R.T. -0.04 min
Lab File: BG033175.D
Acq: 15 Mar 2018 10:46

Instrument :
BNA_G
ClientSampleId :
TP-BDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.7	9.8	14.6#
279	23.5	18.4	27.6

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3/15/2018 7:00:26 PM



#91
Benzo(g,h,i)perylene
Concen: 18.995 ng
RT: 32.20 min Scan# 4921
Delta R.T. -0.04 min
Lab File: BG033175.D
Acq: 15 Mar 2018 10:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.3	18.3	27.5
138	17.3	13.9	20.9

