

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082319\
 Data File : BG042436.D
 Acq On : 23 Aug 2019 16:51
 Operator : HP/JU
 Sample : K4086-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-082019

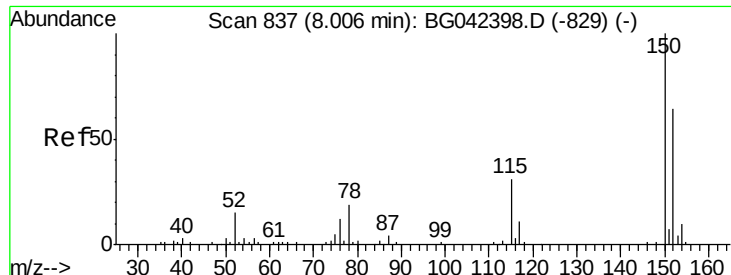
Manual Integrations
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 8/26/2019 2:01:55 PM

Quant Time: Aug 23 18:04:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	182077	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	828001	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	385824	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	736698	20.00	ng	0.00
76) Chrysene-d12	21.69	240	704285	20.00	ng	0.00
87) Perylene-d12	24.96	264	858039	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	797515	88.71	ng	0.00
7) Phenol-d6	7.17	99	1111616	91.54	ng	0.00
23) Nitrobenzene-d5	9.17	82	568526	47.45	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	359316	65.52	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1706497	74.81	ng	0.00
79) Terphenyl-d14	20.03	244	1822686	55.95	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.11	163	247896	8.905	ng	98
71) Phenanthrene	17.45	178	239737	6.551	ng	98
75) Fluoranthene	19.47	202	776977	17.398	ng	97
78) Pyrene	19.83	202	740373	17.146	ng	100
81) Benzo(a)anthracene	21.68	228	487867	11.387	ng	99
83) Chrysene	21.74	228	565394	13.684	ng	97
86) Indeno(1,2,3-cd)pyrene	28.67	276	471624	8.399	ng	# 92
88) Benzo(b)fluoranthene	23.92	252	924736	19.604	ng	# 93
89) Benzo(k)fluoranthene	23.98	252	314909m	6.945	ng	
90) Benzo(a)pyrene	24.80	252	584482	13.058	ng	# 94
91) Dibenzo(a,h)anthracene	28.72	278	117466	2.592	ng	# 65
92) Benzo(a,h,i)perylene	29.84	276	475315	10.486	ng	# 89

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



#1

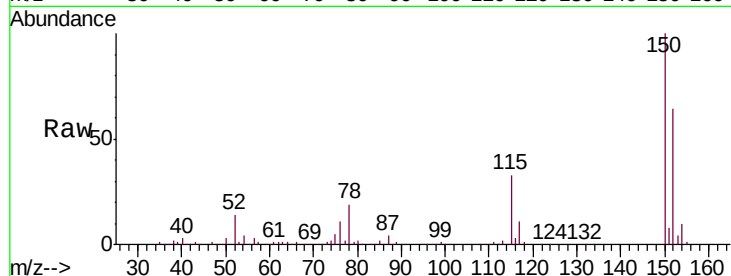
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG042436.D
Acq: 23 Aug 2019 16:51

Instrument :
BNA_G
ClientSampleId :
NB-08-082019

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.4	188.0
115	51.3	38.5	57.7

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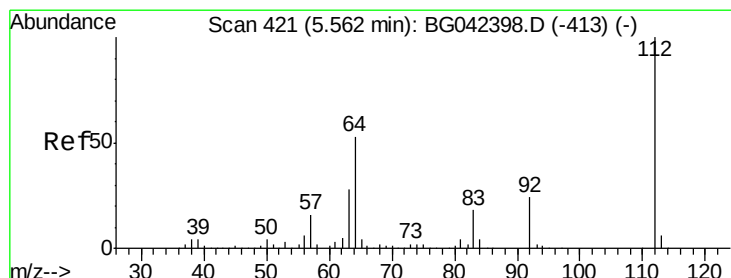
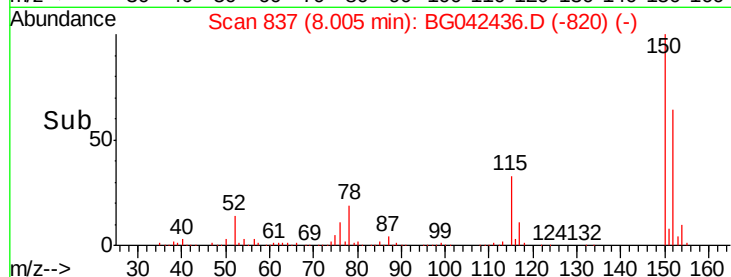
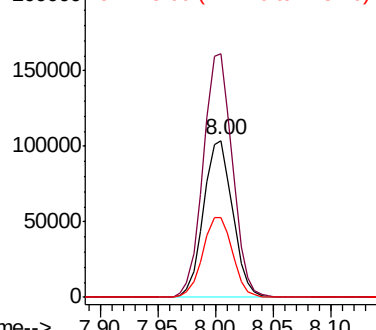


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

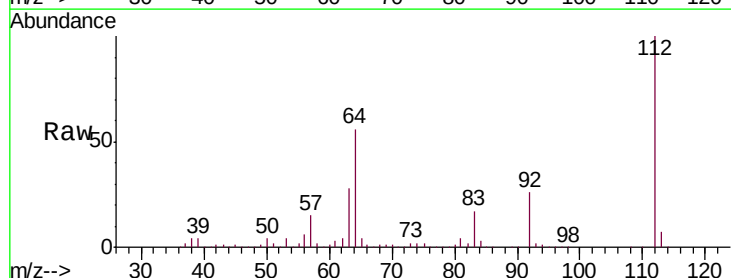
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 88.710 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.00 min
Lab File: BG042436.D
Acq: 23 Aug 2019 16:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	42.8	64.2
63	27.9	22.7	34.1

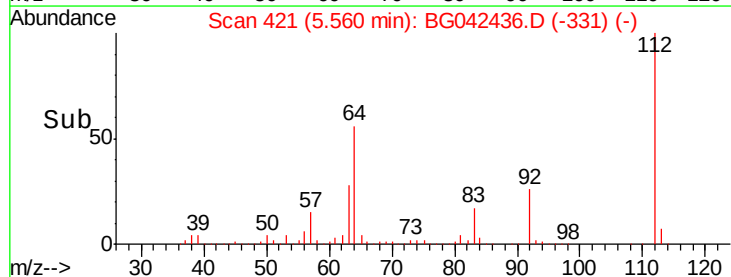
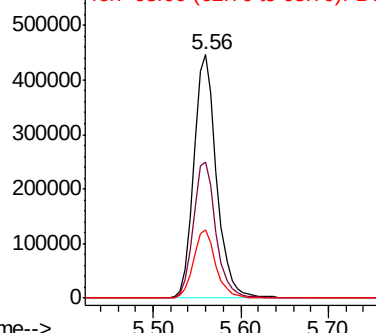


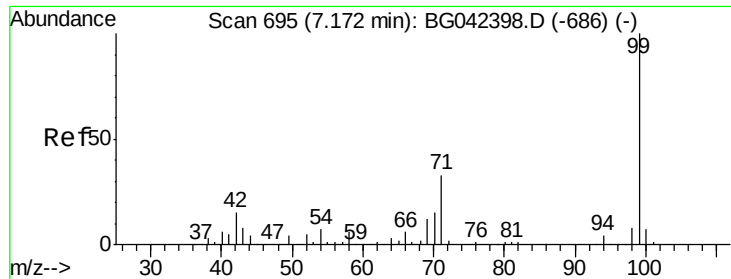
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 91.539 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG042436.D

Acq: 23 Aug 2019 16:51

Instrument :

BNA_G

ClientSampleId :

NB-08-082019

Tot Ion: 99 Resp: 1111616

Ion Ratio Lower Upper

99 100

42 13.4 12.0 18.0

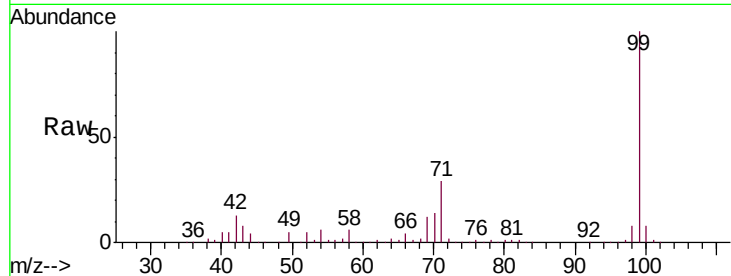
71 28.8 26.3 39.5

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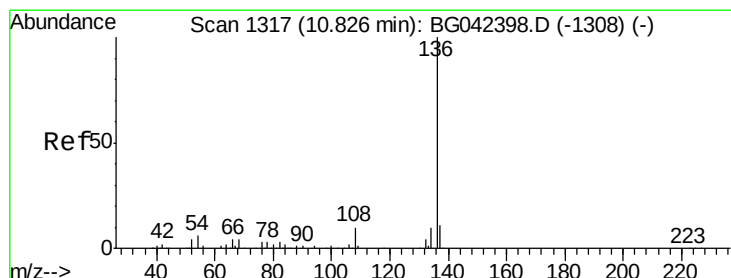
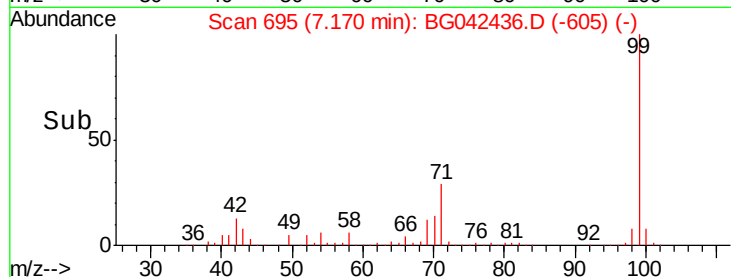
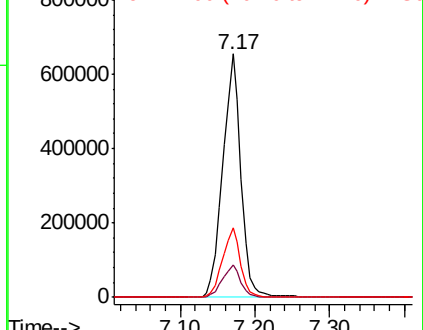
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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG042436.D

Acq: 23 Aug 2019 16:51

Tgt Ion: 136 Resp: 828001

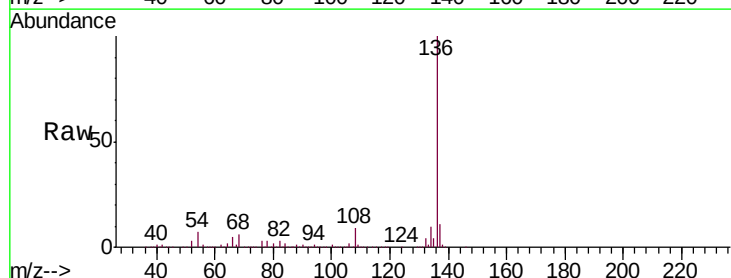
Ion Ratio Lower Upper

136 100

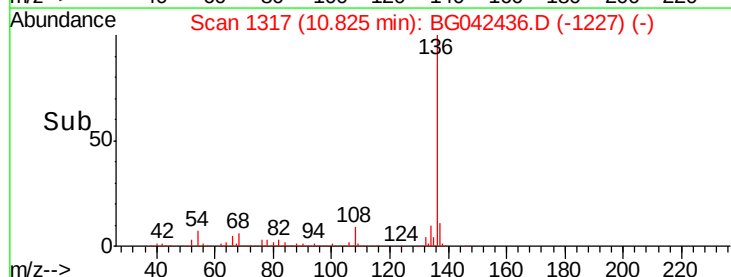
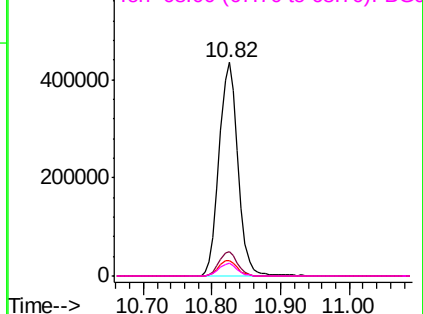
137 11.4 8.7 13.1

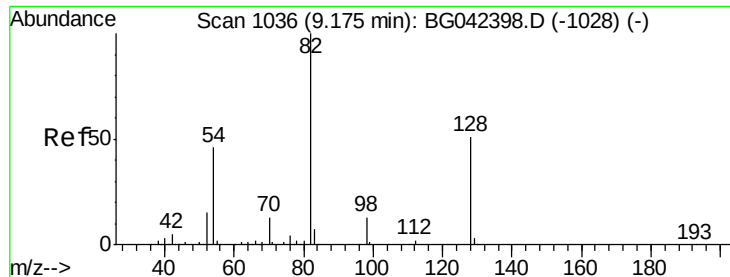
54 7.4 4.9 7.3#

68 6.0 3.6 5.4#



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC





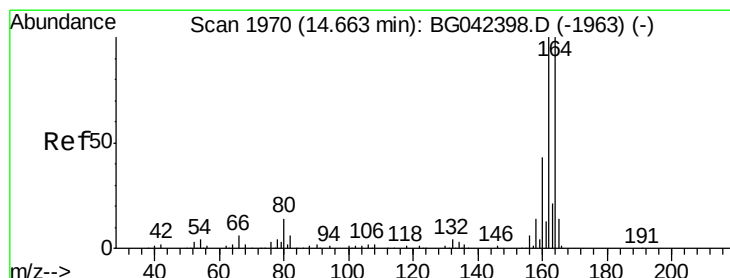
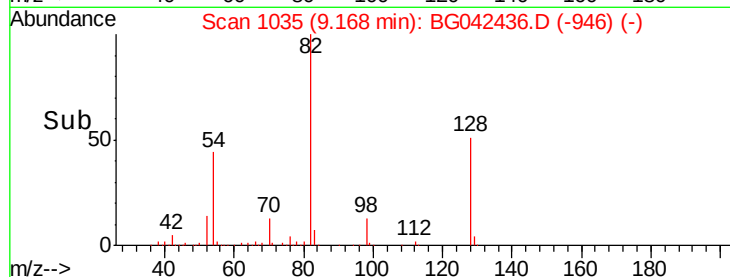
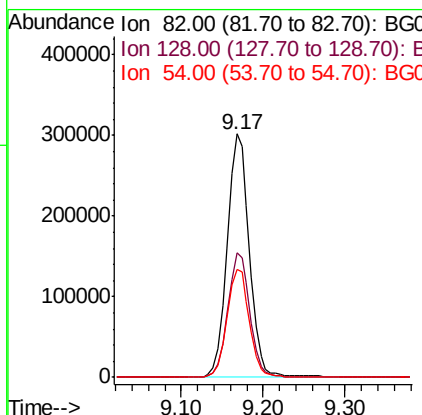
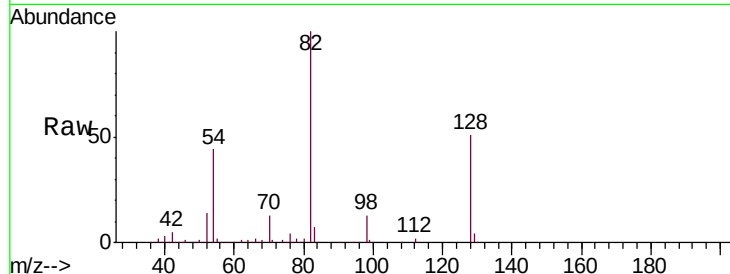
#23
 Nitrobenzene-d5
 Concen: 47.449 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG042436.D
 Acq: 23 Aug 2019 16:51

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-082019

Tot Ion	Ratio	Resp	Lower	Upper
82	100	568526		
128	51.1		40.7	61.1
54	44.3		36.3	54.5

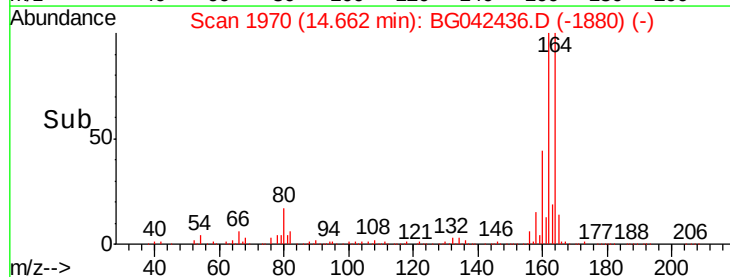
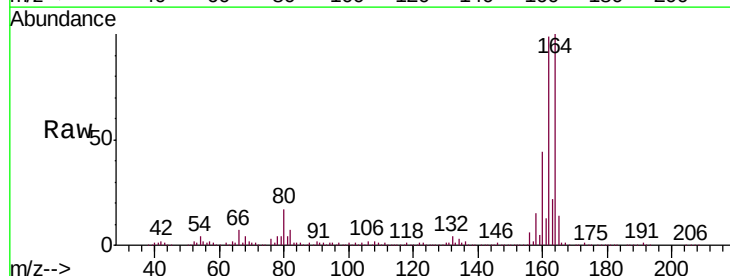
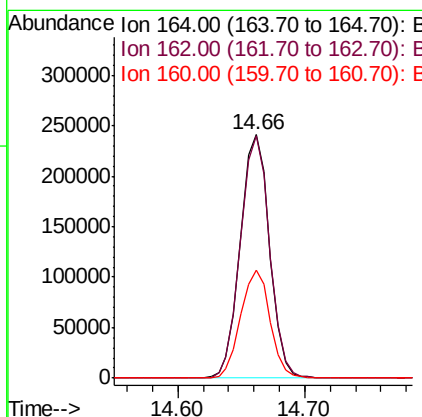
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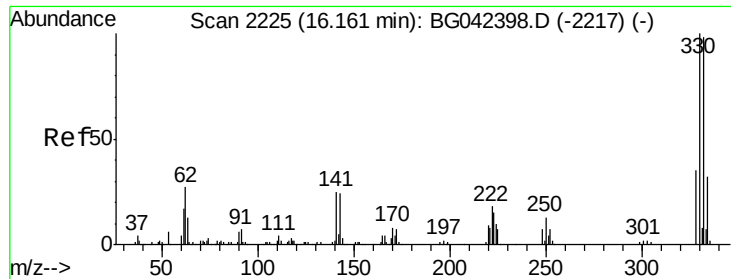
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: BG042436.D
 Acq: 23 Aug 2019 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	385824		
162	99.5		79.9	119.9
160	44.4		34.3	51.5





#42

2,4,6-Tribromophenol

Concen: 65.523 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042436.D

Acq: 23 Aug 2019 16:51

Instrument :

BNA_G

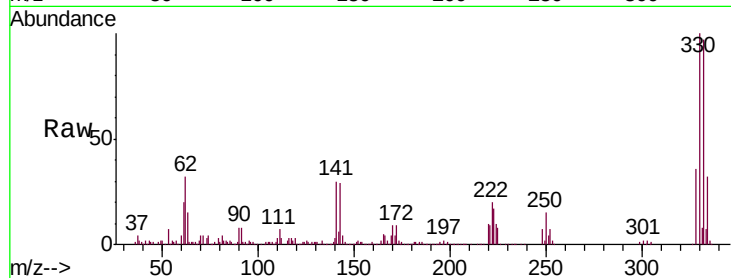
ClientSampleId :

NB-08-082019

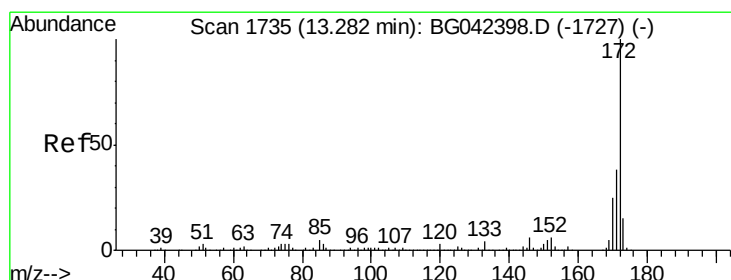
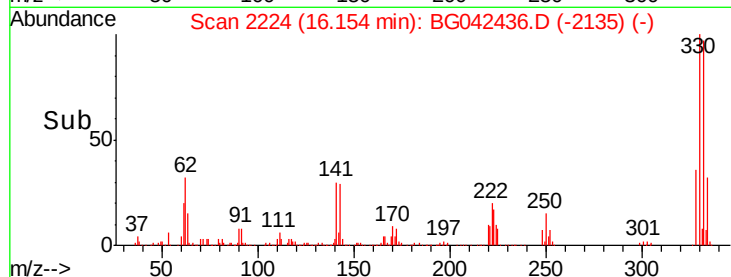
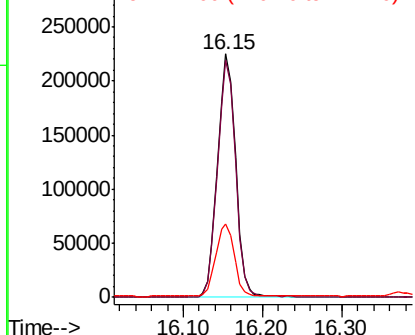
Tot Ion:	330	Resp:	359316
Ion Ratio	Lower	Upper	
330	100		
332	97.3	77.4	116.0
141	30.1	21.4	32.0

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



#45

2-Fluorobiphenyl

Concen: 74.805 ng

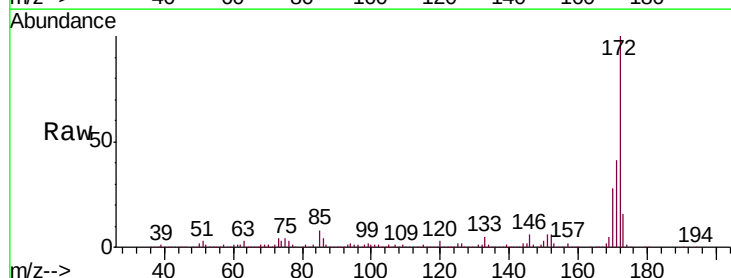
RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

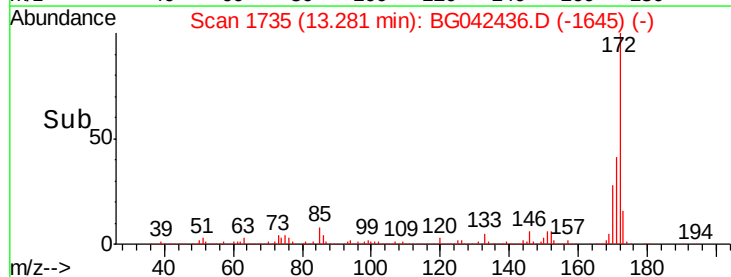
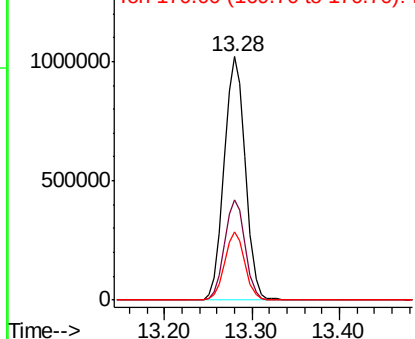
Lab File: BG042436.D

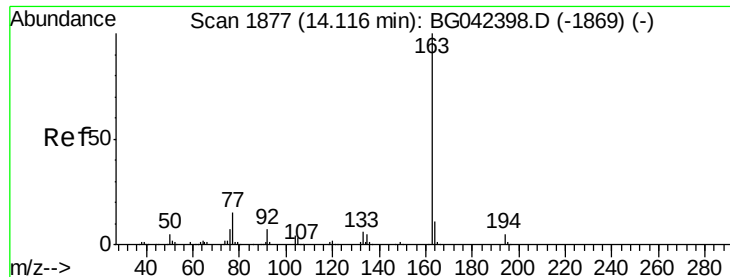
Acq: 23 Aug 2019 16:51

Tgt Ion:	172	Resp:	1706497
Ion Ratio	Lower	Upper	
172	100		
171	41.3	30.5	45.7
170	28.3	20.2	30.2



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





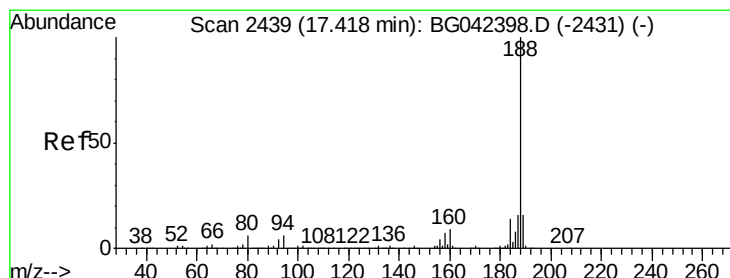
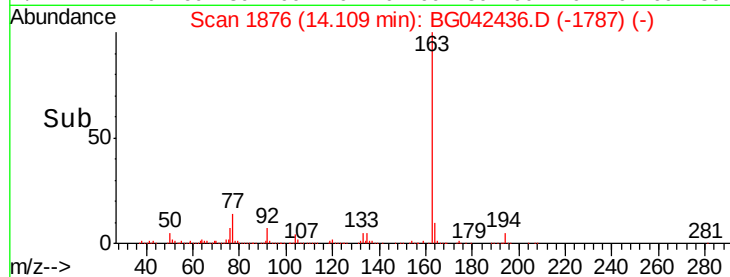
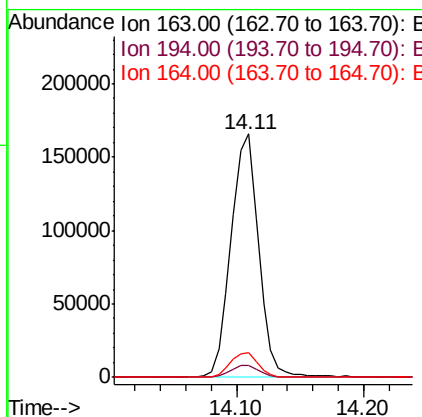
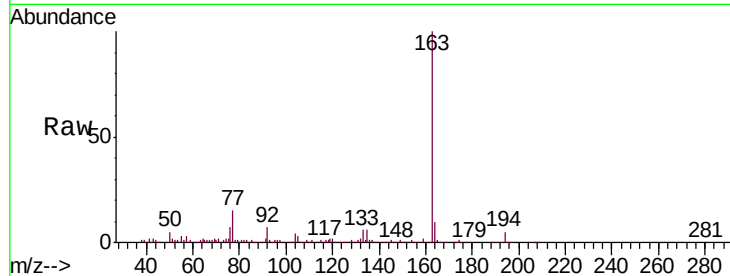
#50
Dimethylphthalate
Concen: 8.905 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042436.D
Acq: 23 Aug 2019 16:51

Instrument :
BNA_G
ClientSampleId :
NB-08-082019

Tot Ion:	163	Resp:	247896
Ion Ratio	Lower	Upper	
163	100		
194	5.1	4.2	6.2
164	10.1	8.8	13.2

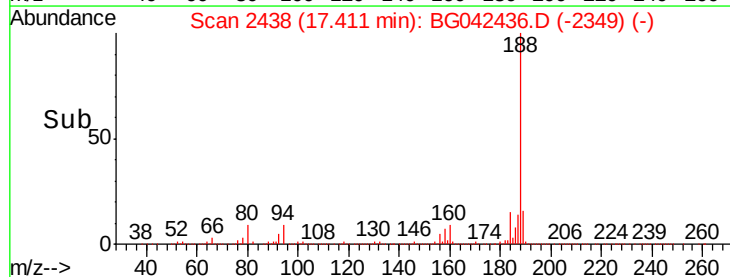
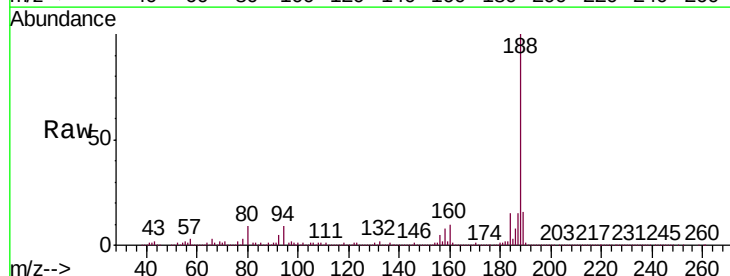
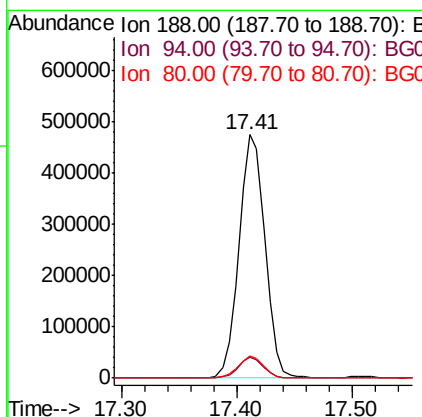
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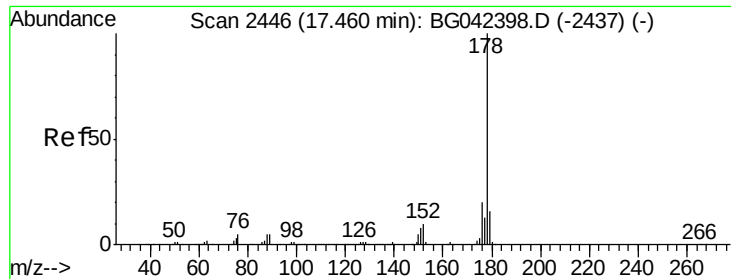
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG042436.D
Acq: 23 Aug 2019 16:51

Tgt Ion:	188	Resp:	736698
Ion Ratio	Lower	Upper	
188	100		
94	8.7	4.5	6.7#
80	9.3	4.9	7.3#





#71

Phenanthrene

Concen: 6.551 ng

RT: 17.45 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BG042436.D

Acq: 23 Aug 2019 16:51

Instrument :

BNA_G

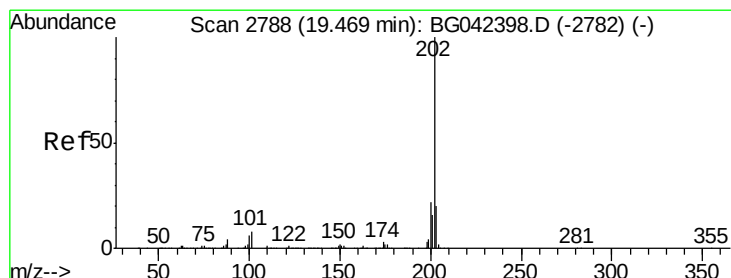
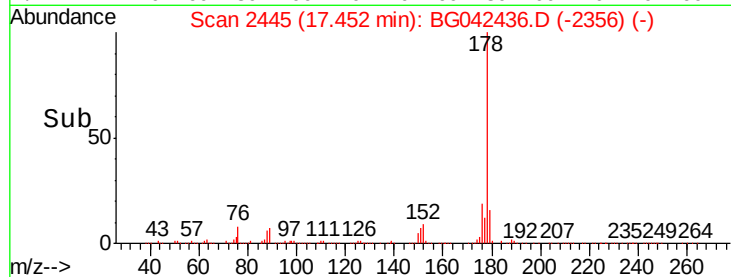
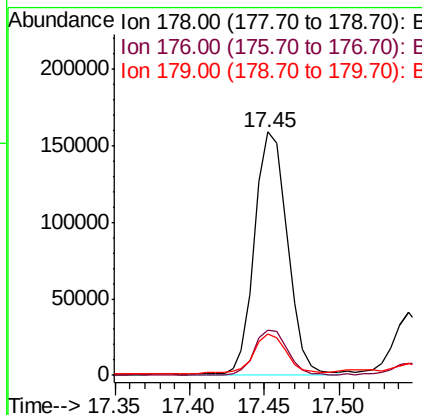
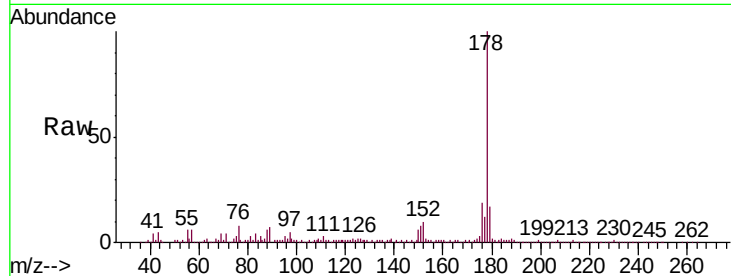
ClientSampleId :

NB-08-082019

Tot Ion:	178	Resp:	239737
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.9	23.9
179	16.8	12.7	19.1

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#75

Fluoranthene

Concen: 17.398 ng

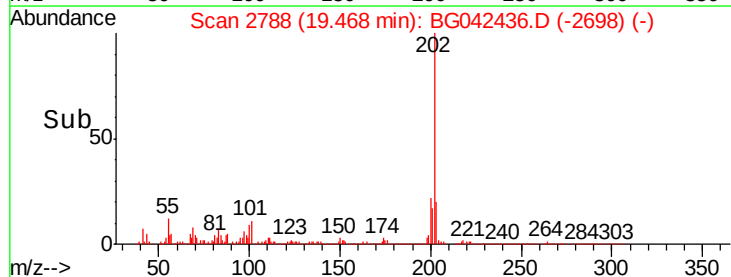
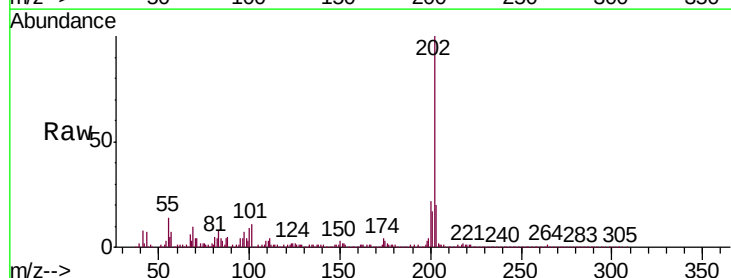
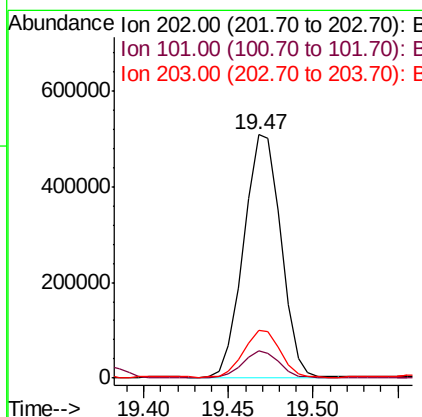
RT: 19.47 min Scan# 2788

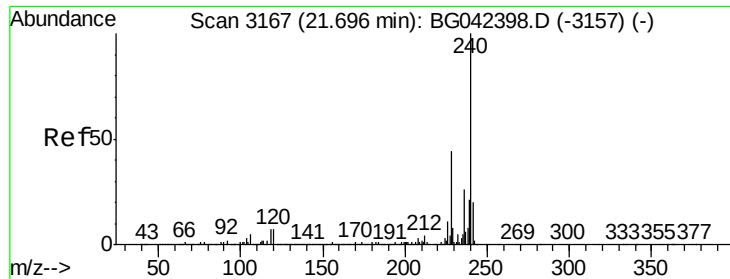
Delta R.T. -0.00 min

Lab File: BG042436.D

Acq: 23 Aug 2019 16:51

Tgt Ion:	202	Resp:	776977
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	28.3
203	19.7	0.0	39.6





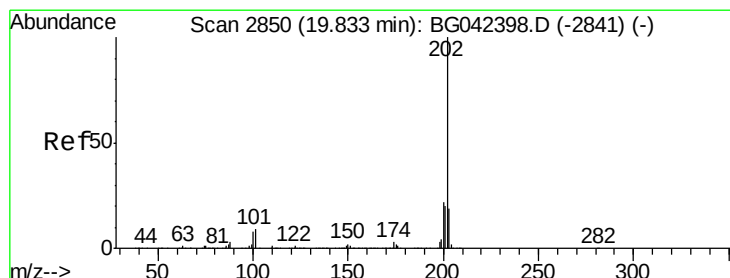
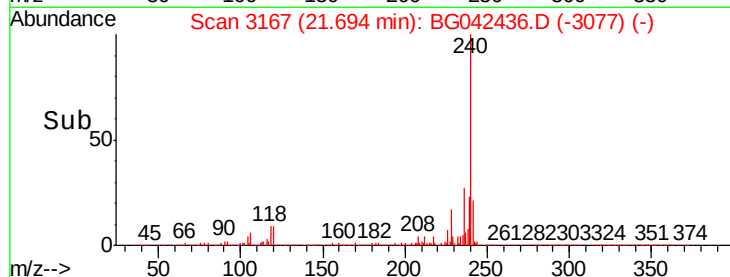
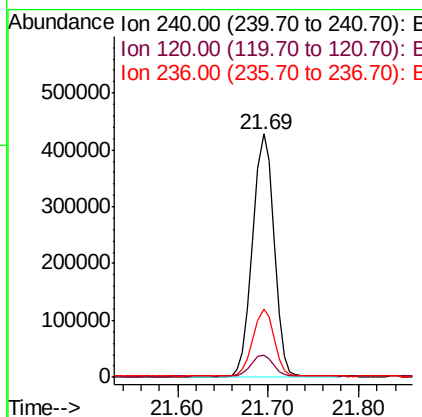
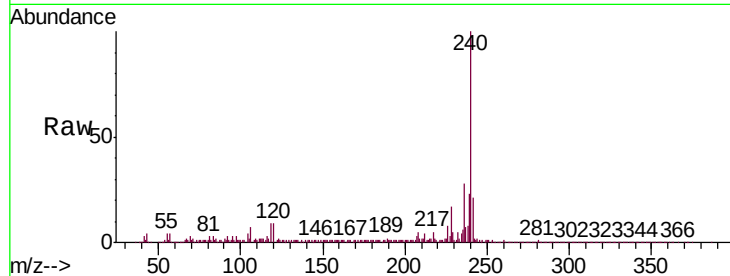
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BG042436.D
Acq: 23 Aug 2019 16:51

Instrument :
BNA_G
ClientSampleId :
NB-08-082019

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.3	5.7	8.5#
236	27.9	21.0	31.4

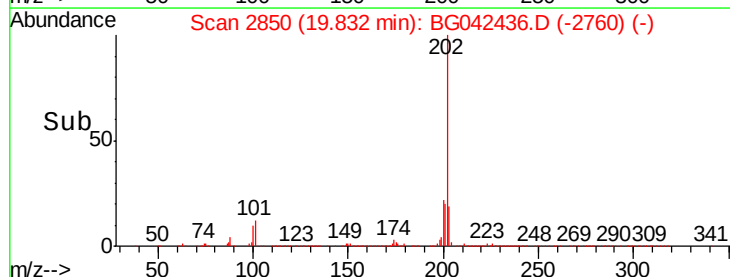
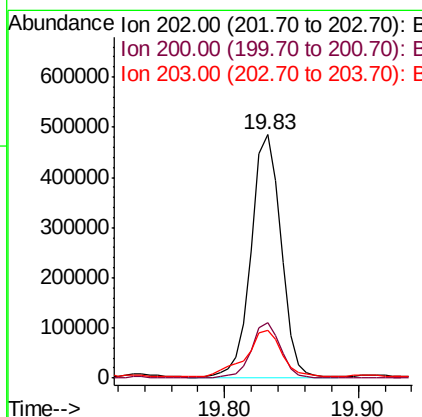
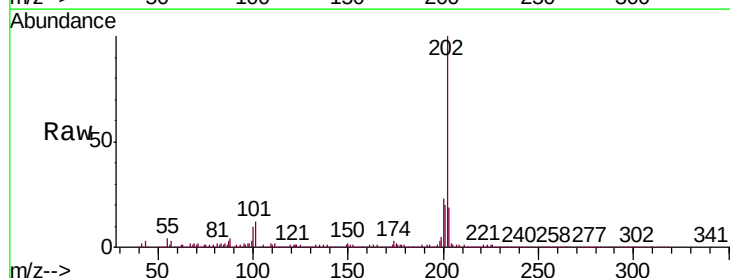
Manual Integrations
APPROVED

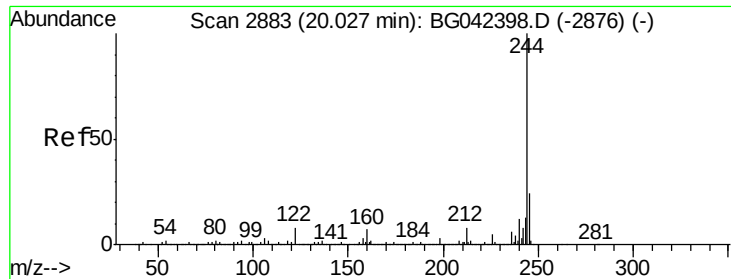
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#78
Pyrene
Concen: 17.146 ng
RT: 19.83 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BG042436.D
Acq: 23 Aug 2019 16:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.8	26.6
203	19.4	15.5	23.3





#79

Terphenyl-d14

Concen: 55.950 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.00 min

Lab File: BG042436.D

Acq: 23 Aug 2019 16:51

Instrument :

BNA_G

ClientSampleId :

NB-08-082019

Tot Ion:244 Resp: 1822686

Ion Ratio Lower Upper

244 100

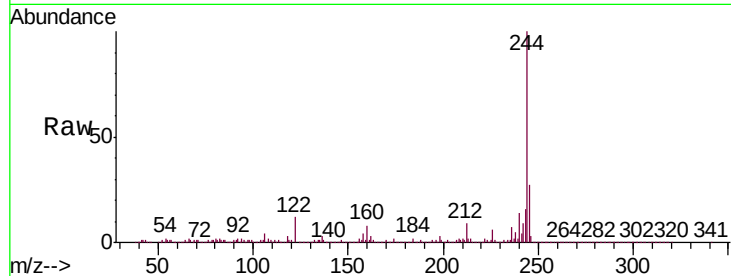
212 9.1 6.0 9.0#

122 11.9 6.7 10.1#

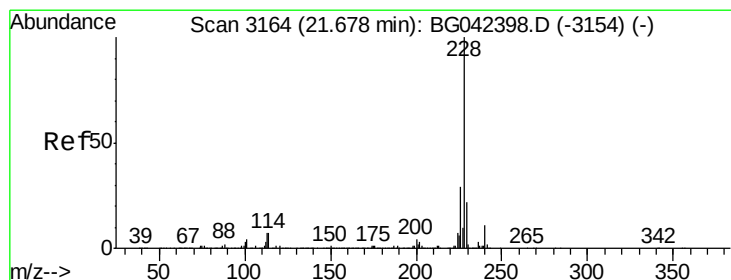
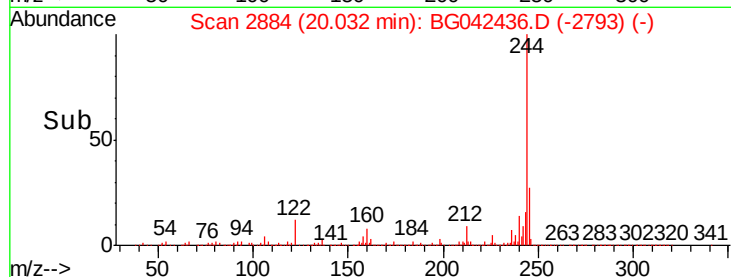
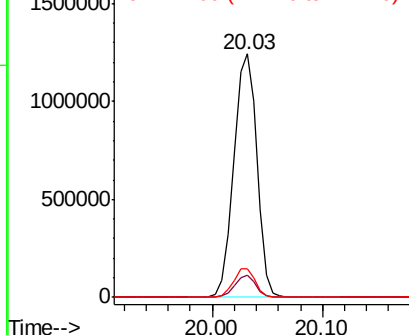
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 11.387 ng

RT: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG042436.D

Acq: 23 Aug 2019 16:51

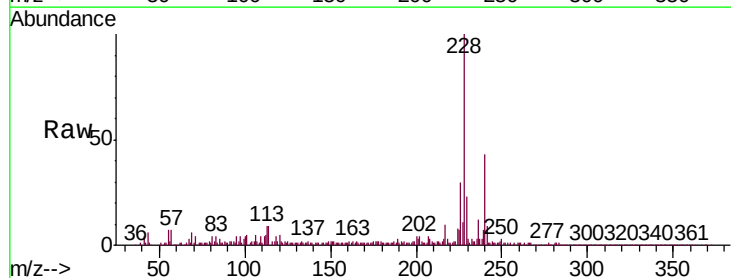
Tgt Ion:228 Resp: 487867

Ion Ratio Lower Upper

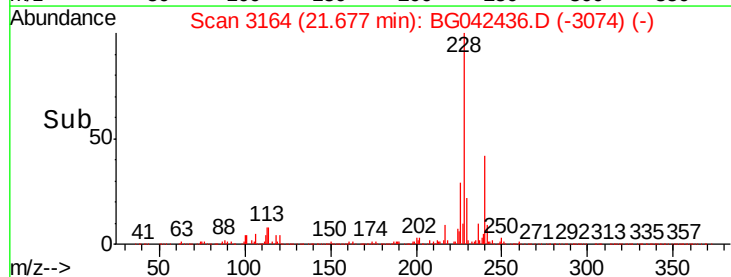
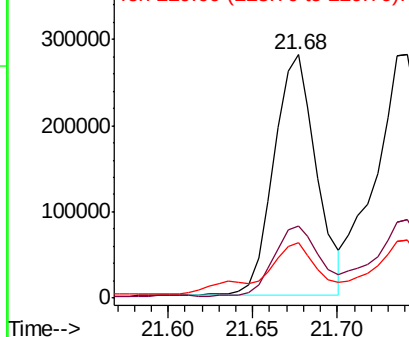
228 100

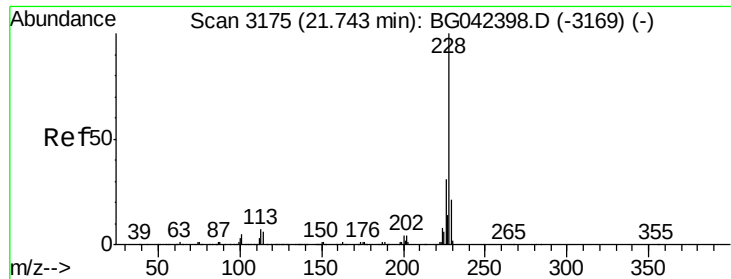
226 29.6 23.4 35.2

229 22.8 17.4 26.2



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





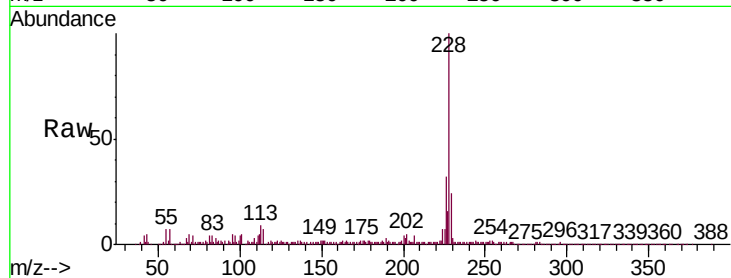
#83
Chrysene
Concen: 13.684 ng
RT: 21.74 min Scan# 3175
Delta R.T. -0.00 min
Lab File: BG042436.D
Acq: 23 Aug 2019 16:51

Instrument :
BNA_G
ClientSampleId :
NB-08-082019

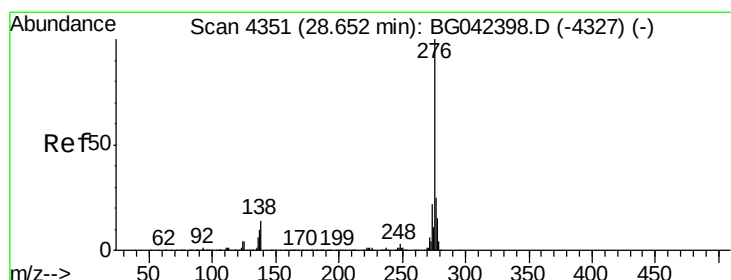
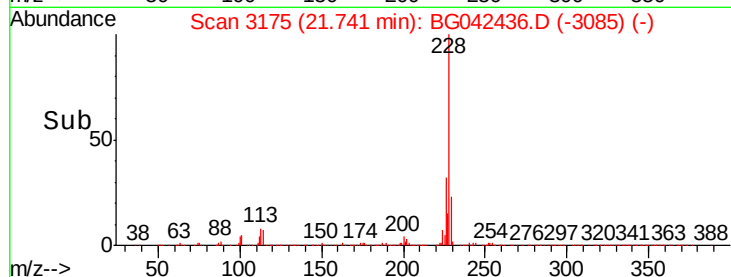
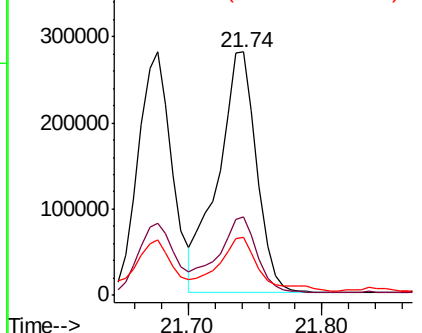
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.9	37.3
229	23.6	16.9	25.3

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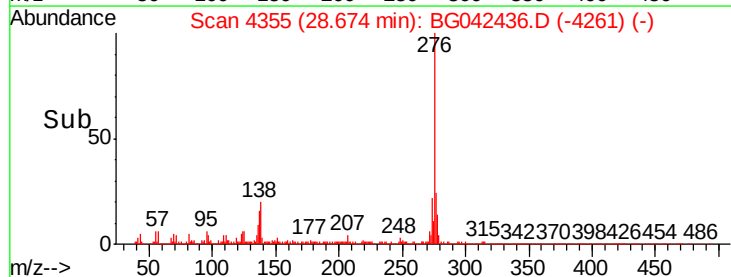
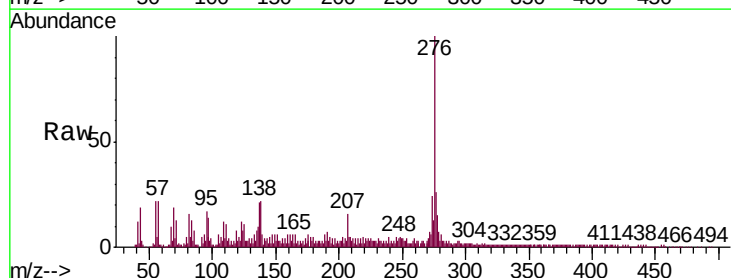
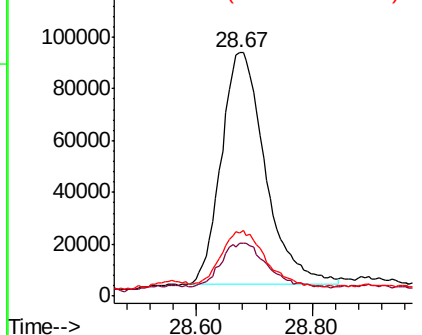
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

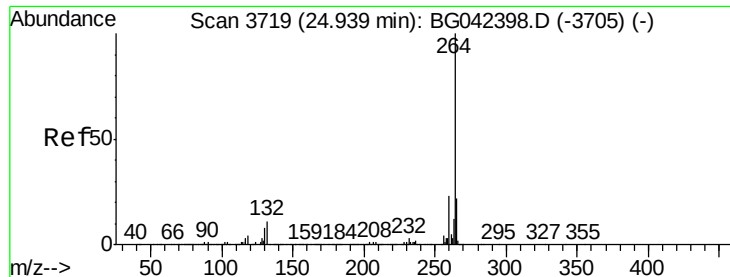


#86
Indeno(1,2,3-cd)pyrene
Concen: 8.399 ng
RT: 28.67 min Scan# 4355
Delta R.T. 0.02 min
Lab File: BG042436.D
Acq: 23 Aug 2019 16:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.0	9.2	13.8#
277	25.3	21.0	31.6

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.96 min Scan# 3722

Delta R.T. 0.02 min

Lab File: BG042436.D

Acq: 23 Aug 2019 16:51

Instrument :

BNA_G

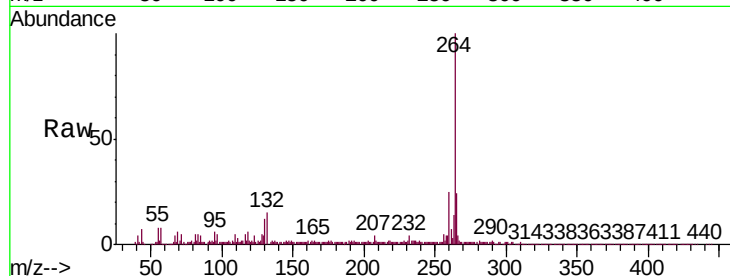
ClientSampleId :

NB-08-082019

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.5	27.7
265	24.1	17.6	26.4

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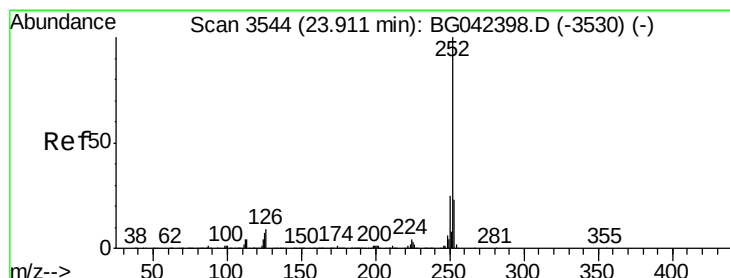
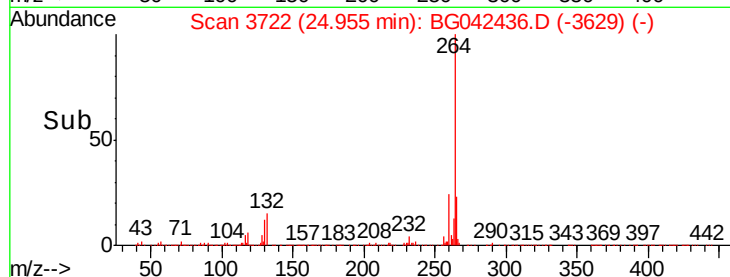
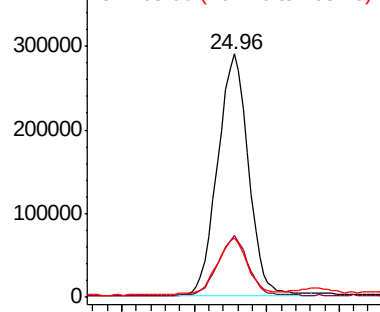


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 19.604 ng

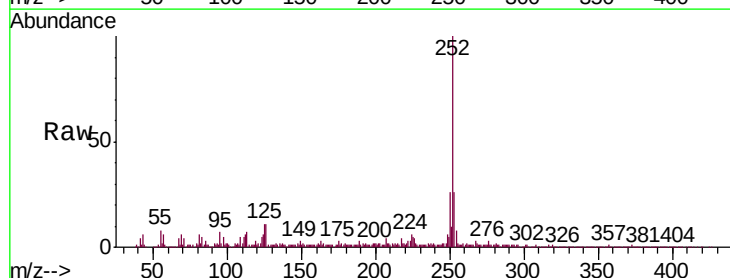
RT: 23.92 min Scan# 3546

Delta R.T. 0.01 min

Lab File: BG042436.D

Acq: 23 Aug 2019 16:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.6	27.8
125	10.7	5.6	8.4#

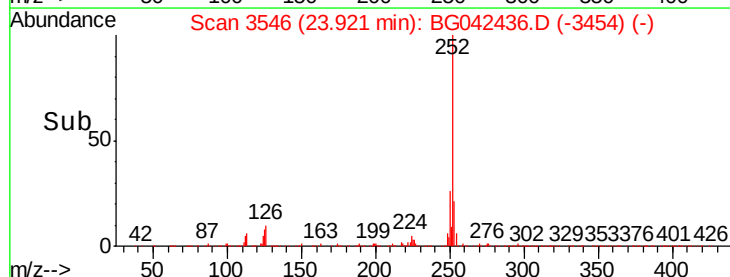
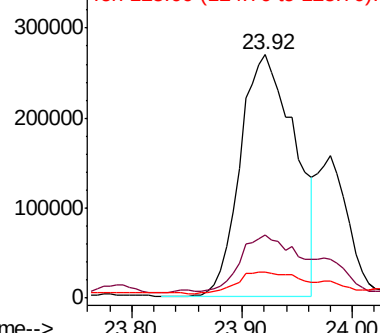


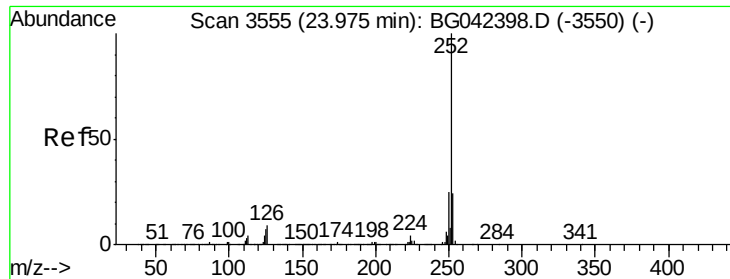
Abundance

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(k)fluoranthene

Concen: 6.945 ng/mL

RT: 23.98 min Scan# 3556

Delta R.T. 0.00 min

Lab File: BG042436.D

Acq: 23 Aug 2019 16:51

Instrument :

BNA_G

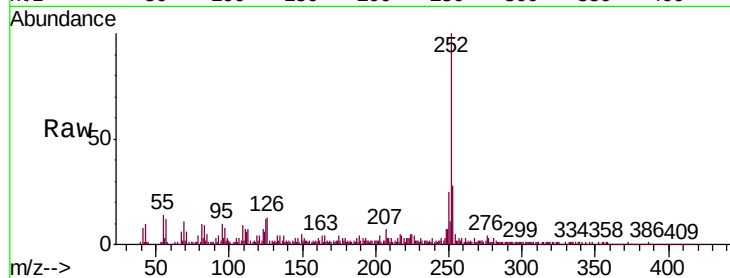
ClientSampleId :

NB-08-082019

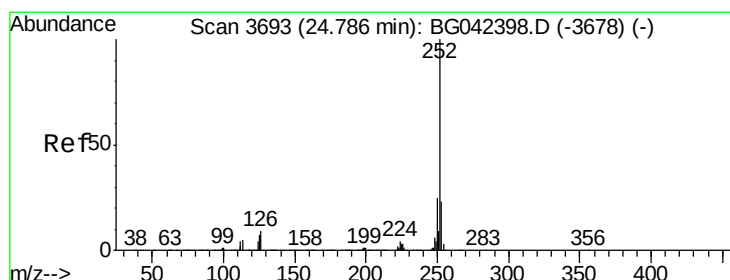
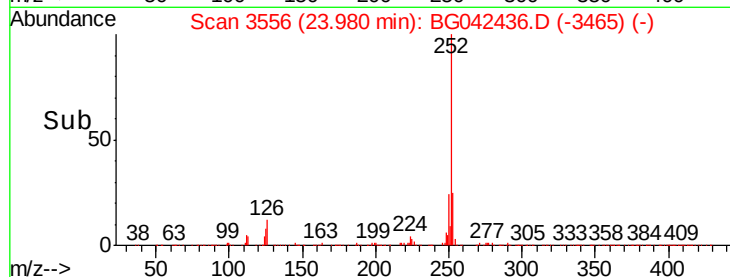
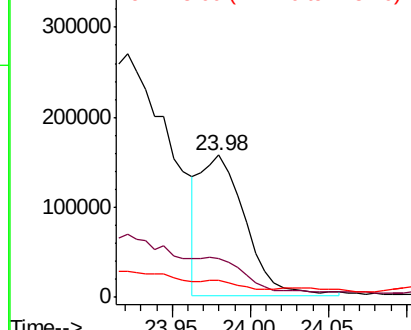
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.6	27.8
125	12.0	5.8	8.6#

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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



#90

Benzo(a)pyrene

Concen: 13.058 ng/mL

RT: 24.80 min Scan# 3695

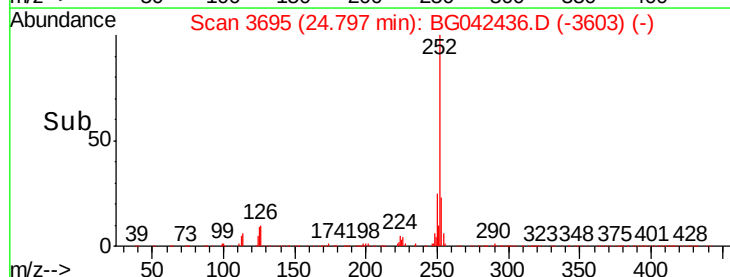
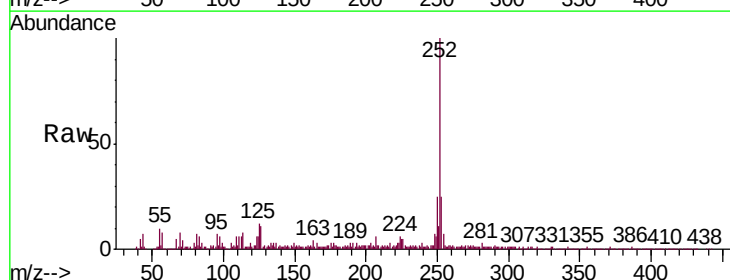
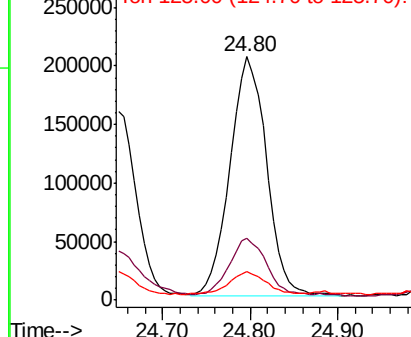
Delta R.T. 0.01 min

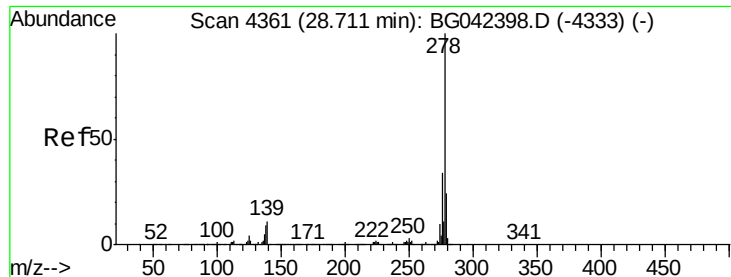
Lab File: BG042436.D

Acq: 23 Aug 2019 16:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.4	27.6
125	11.6	6.0	9.0#

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





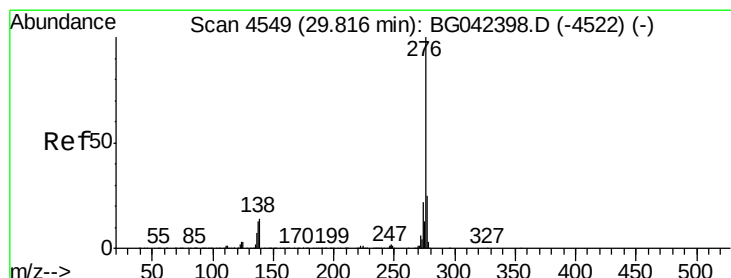
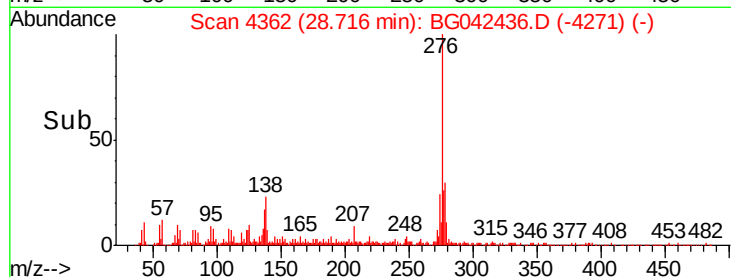
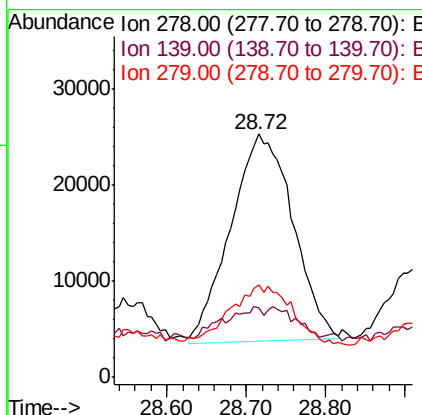
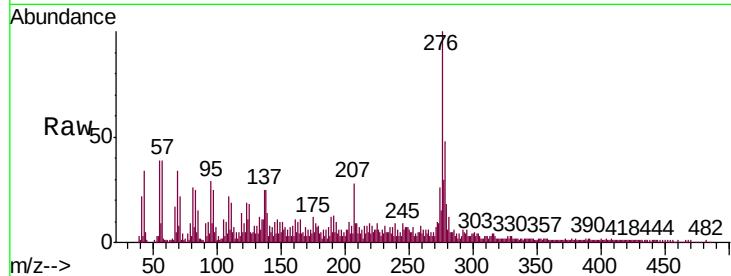
#91
Dibenzo(a,h)anthracene
Concen: 2.592 ng
RT: 28.72 min Scan# 4362
Delta R.T. 0.00 min
Lab File: BG042436.D
Acq: 23 Aug 2019 16:51

Instrument :
BNA_G
ClientSampleId :
NB-08-082019

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.6	8.8	13.2#
279	38.2	19.1	28.7#

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#92
Benzo(g,h,i)perylene
Concen: 10.486 ng
RT: 29.84 min Scan# 4554
Delta R.T. 0.03 min
Lab File: BG042436.D
Acq: 23 Aug 2019 16:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	19.8	29.8
138	22.6	11.4	17.0#

