

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041620\
 Data File : BG045021.D
 Acq On : 17 Apr 2020 00:49
 Operator : CG/JU
 Sample : L2230-13 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-18

Manual Integrations
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Quant Time: Apr 17 06:08:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 17:57:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	75675	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	341031	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	252071	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	511332	20.00	ng	0.00
76) Chrysene-d12	21.66	240	370262	20.00	ng	0.00
87) Perylene-d12	24.85	264	417746	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	90516	19.75	ng	0.00
7) Phenol-d6	7.18	99	149848	22.00	ng	0.00
23) Nitrobenzene-d5	9.18	82	107663	14.40	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	73361	18.84	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	288200	16.76	ng	0.00
79) Terphenyl-d14	20.01	244	340308	20.03	ng	0.00
Target Compounds						
71) Phenanthrene	17.45	178	413603	15.741	ng	99
72) Anthracene	17.53	178	108324	4.110	ng	99
75) Fluoranthene	19.45	202	524944	12.547	ng	98
78) Pyrene	19.81	202	446852	17.506	ng	97
81) Benzo(a)anthracene	21.65	228	221798	9.242	ng	96
83) Chrysene	21.71	228	193491	8.392	ng	95
86) Indeno(1,2,3-cd)pyrene	28.46	276	122407	3.998	ng	# 76
88) Benzo(b)fluoranthene	23.85	252	233881m	8.938	ng	
89) Benzo(k)fluoranthene	23.91	252	97083m	3.901	ng	
90) Benzo(a)pyrene	24.71	252	196067	7.936	ng	# 98
92) Benzo(g,h,i)perylene	29.59	276	115043	4.609	ng	98

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

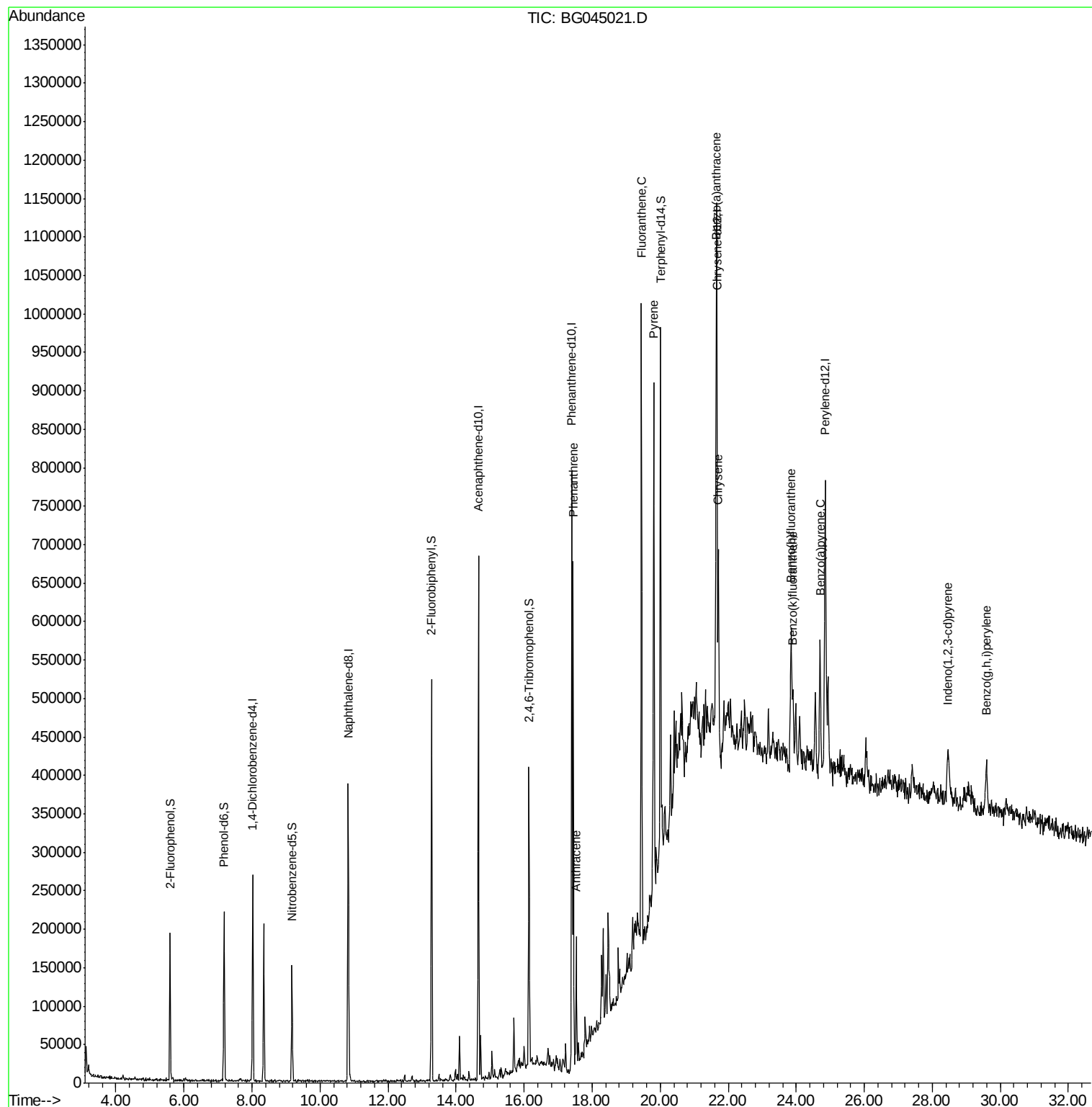
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041620\
Data File : BG045021.D
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Sample : L2230-13 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

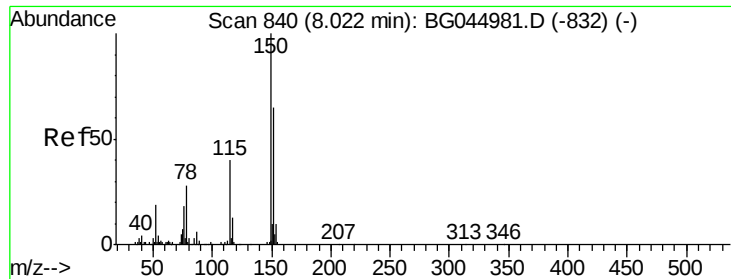
Instrument :
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TP-18

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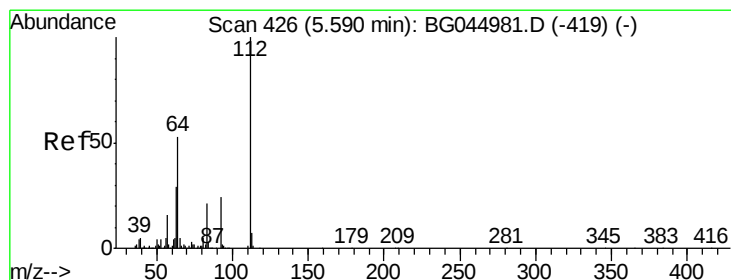
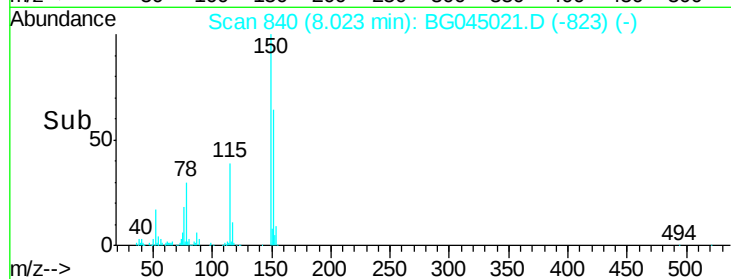
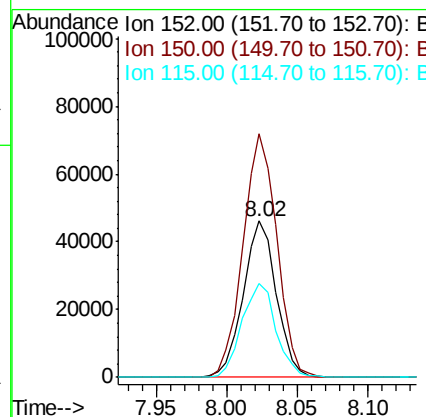
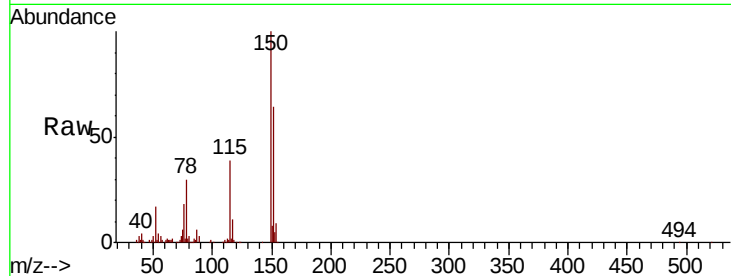
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BG045021.D
 Acq: 17 Apr 2020 00:49

Instrument :
 BNA_G
 ClientSampleId :
 TP-18

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	123.6	185.4
115	60.2	49.1	73.7

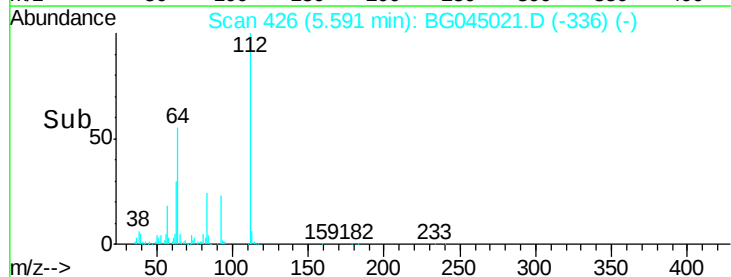
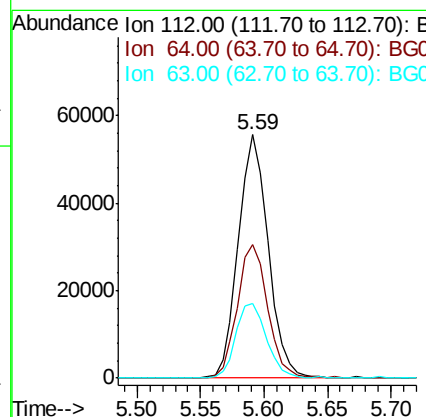
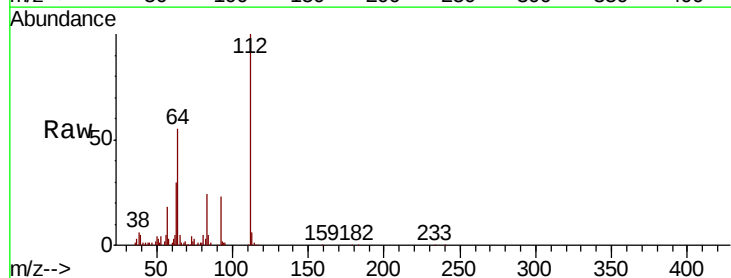
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#5
 2-Fluorophenol
 Concen: 19.747 ng
 RT: 5.59 min Scan# 426
 Delta R.T. 0.00 min
 Lab File: BG045021.D
 Acq: 17 Apr 2020 00:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	42.4	63.6
63	30.5	23.1	34.7





#7

Phenol-d6

Concen: 22.003 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG045021.D

Acq: 17 Apr 2020 00:49

Instrument :

BNA_G

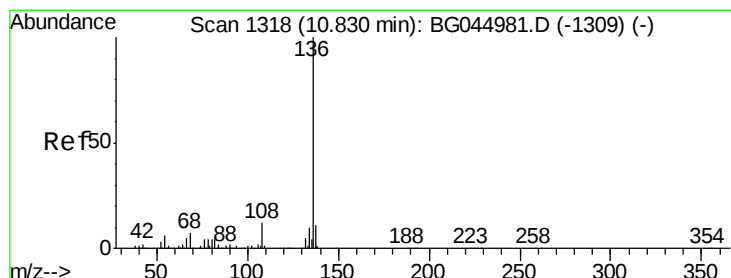
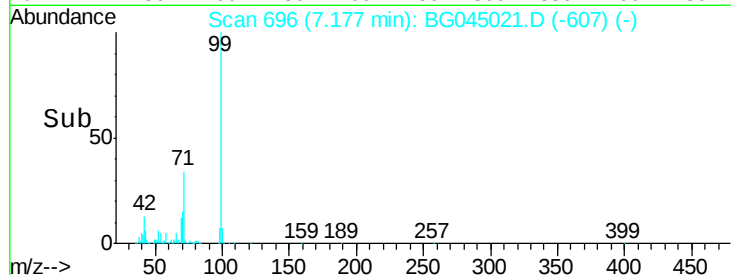
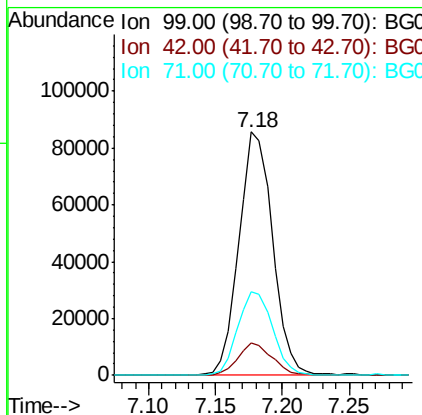
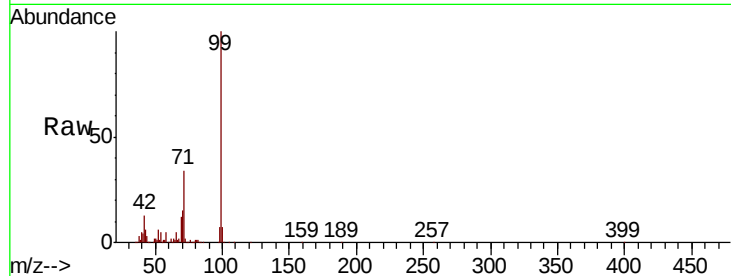
ClientSampleId :

TP-18

Tot Ion:	99	Resp:	149848
Ion	Ratio	Lower	Upper
99	100		
42	13.1	11.3	16.9
71	34.5	28.3	42.5

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#21

Naphthalene-d8

Concen: 20.000 ng

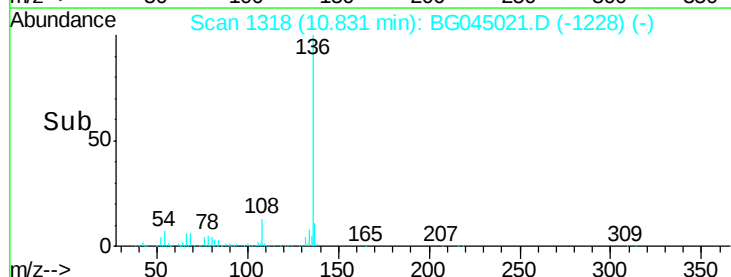
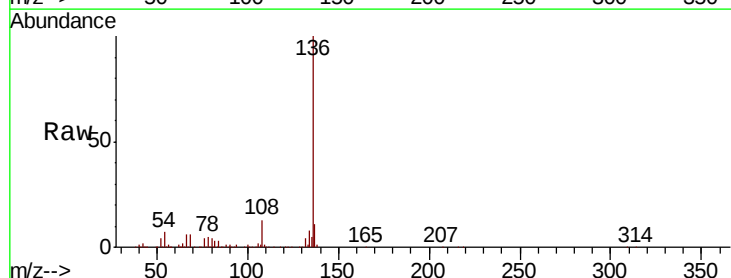
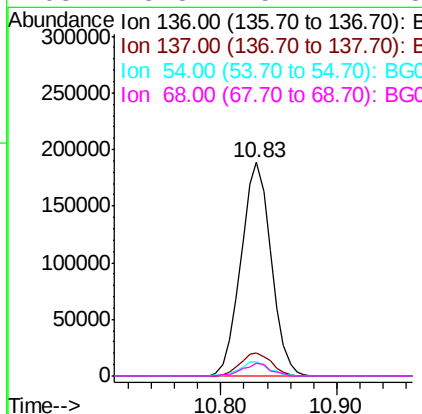
RT: 10.83 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BG045021.D

Acq: 17 Apr 2020 00:49

Tgt Ion:	136	Resp:	341031
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	6.8	4.8	7.2
68	5.8	5.2	7.8





#23

Nitrobenzene-d5

Concen: 14.405 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BG045021.D

Acq: 17 Apr 2020 00:49

Instrument :

BNA_G

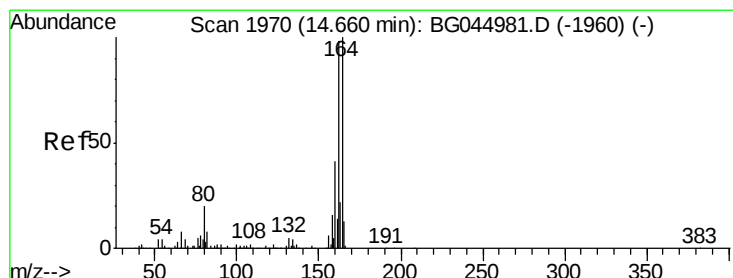
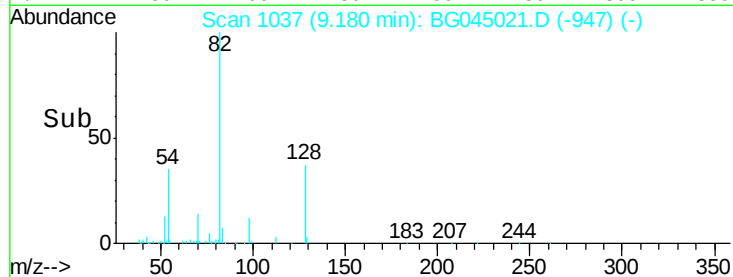
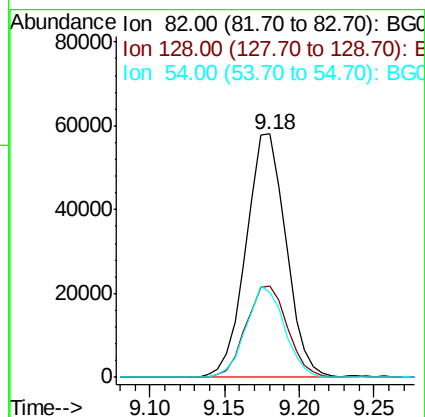
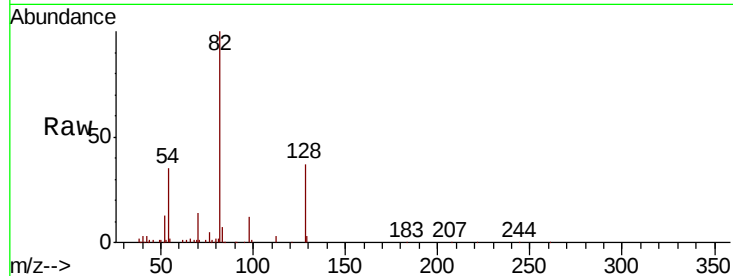
ClientSampleId :

TP-18

Tot Ion:	82	Resp:	107663
Ion Ratio	Lower	Upper	
82	100		
128	37.5	33.0	49.4
54	34.8	30.4	45.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

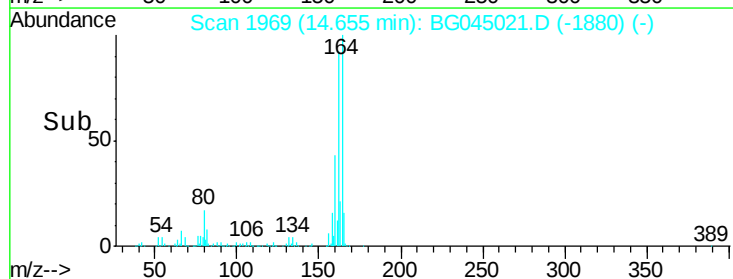
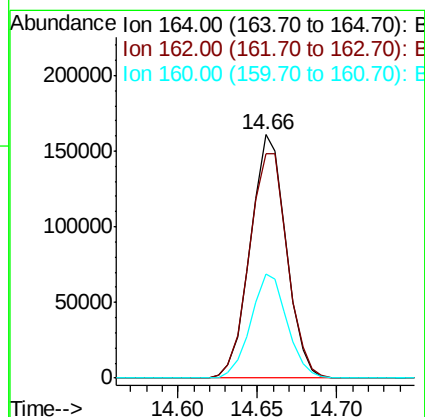
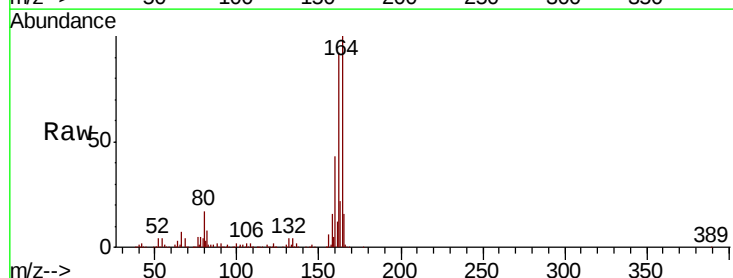
RT: 14.66 min Scan# 1969

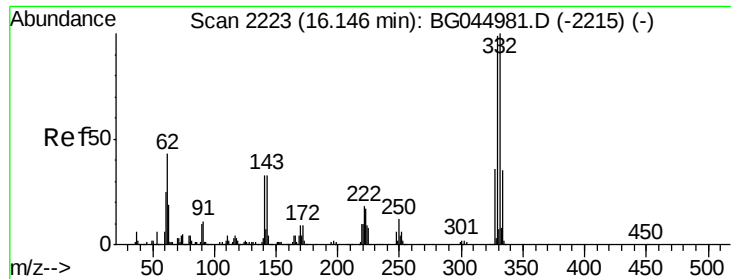
Delta R.T. -0.00 min

Lab File: BG045021.D

Acq: 17 Apr 2020 00:49

Tgt Ion:	164	Resp:	252071
Ion Ratio	Lower	Upper	
164	100		
162	92.2	78.7	118.1
160	42.6	32.8	49.2





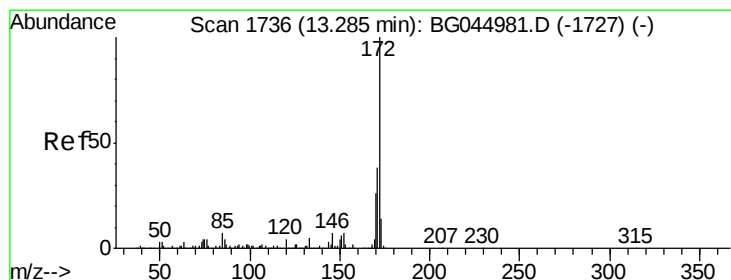
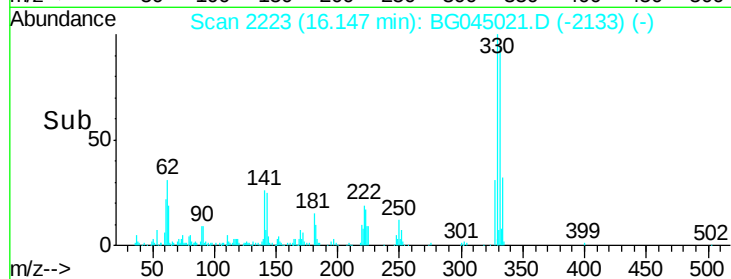
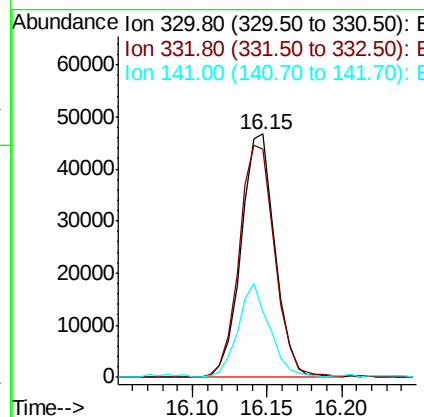
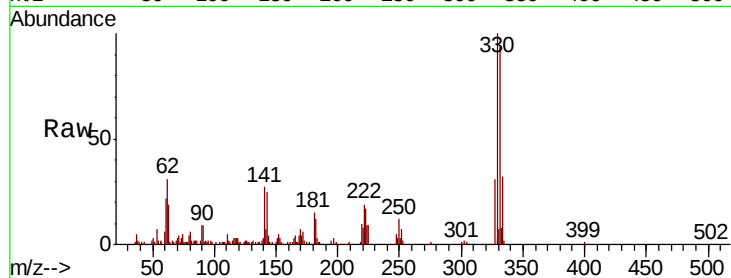
#42
 2,4,6-Tribromophenol
 Concen: 18.839 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: BG045021.D
 Acq: 17 Apr 2020 00:49

Instrument :
 BNA_G
 ClientSampleId :
 TP-18

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.5	79.1	118.7
141	35.9	27.1	40.7

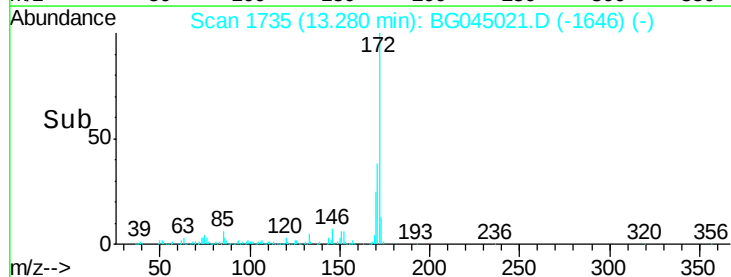
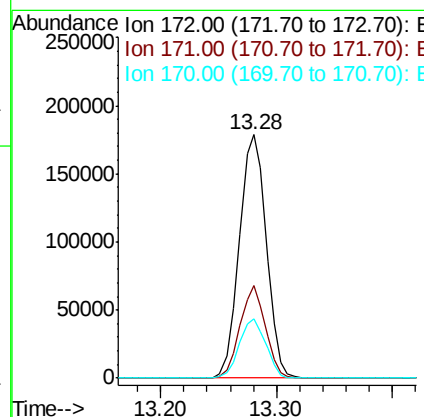
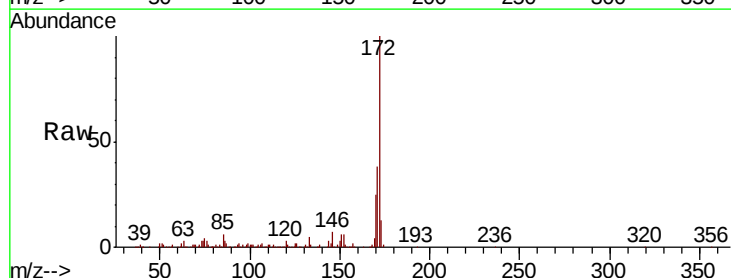
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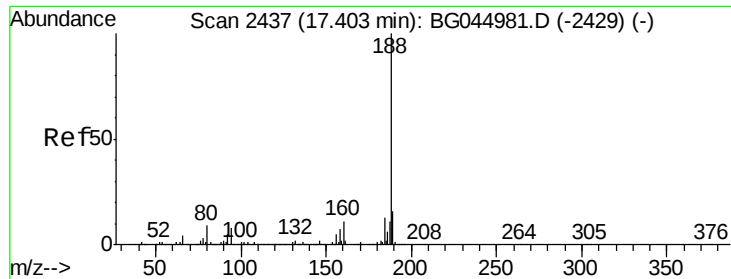
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#45
 2-Fluorobiphenyl
 Concen: 16.765 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045021.D
 Acq: 17 Apr 2020 00:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.6	46.0
170	24.5	20.5	30.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG045021.D

Acq: 17 Apr 2020 00:49

Instrument :

BNA_G

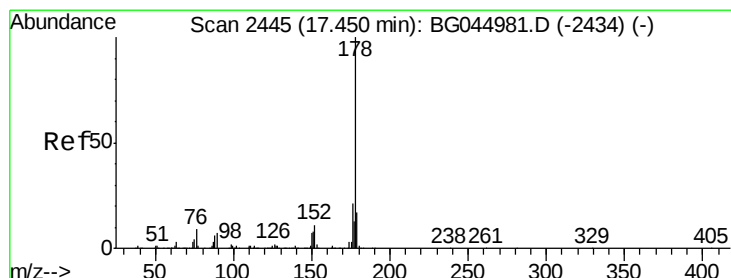
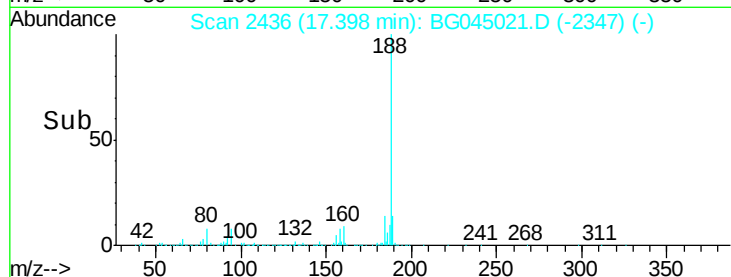
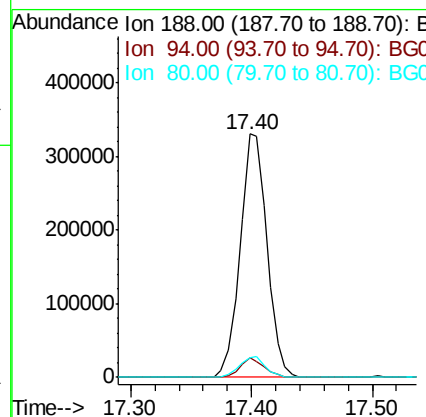
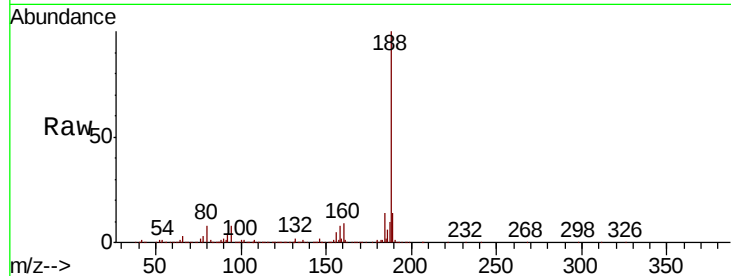
ClientSampleId :

TP-18

Tot Ion:	188	Resp:	511332
Ion Ratio	Lower	Upper	
188	100		
94	8.3	6.2	9.4
80	8.1	7.0	10.6

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#71

Phenanthrene

Concen: 15.741 ng

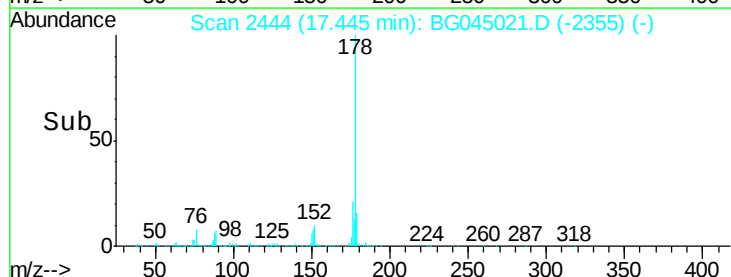
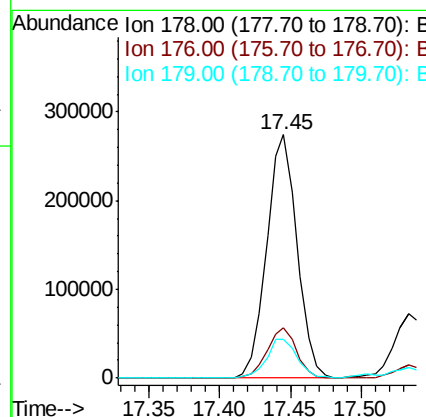
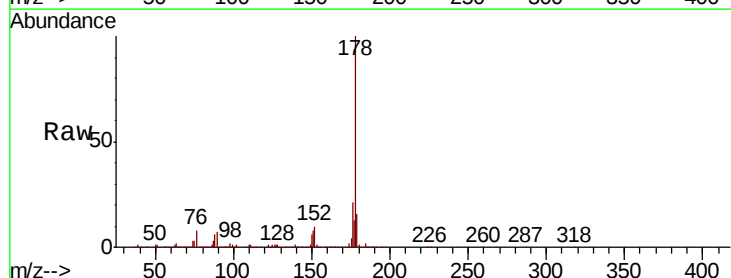
RT: 17.45 min Scan# 2444

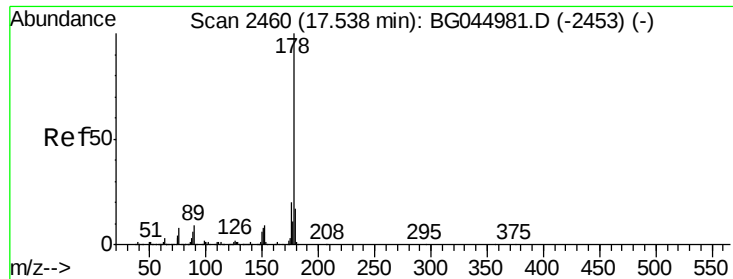
Delta R.T. -0.00 min

Lab File: BG045021.D

Acq: 17 Apr 2020 00:49

Tgt Ion:	178	Resp:	413603
Ion Ratio	Lower	Upper	
178	100		
176	20.8	16.8	25.2
179	15.7	13.2	19.8





#72

Anthracene

Concen: 4.110 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BG045021.D

Acq: 17 Apr 2020 00:49

Instrument :

BNA_G

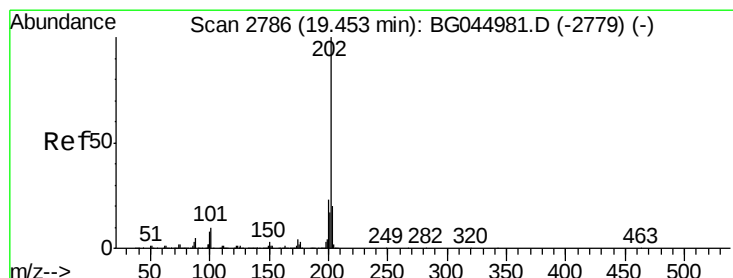
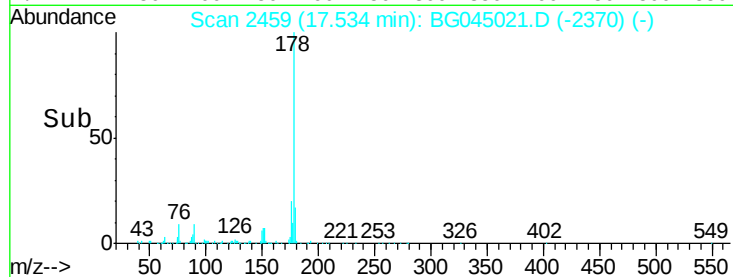
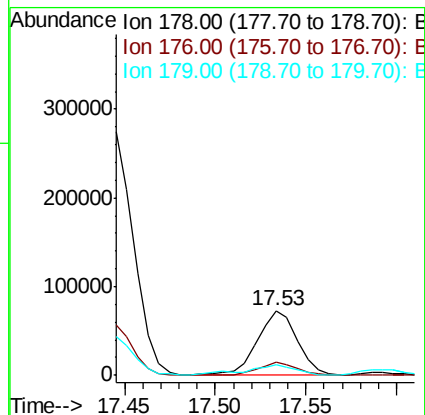
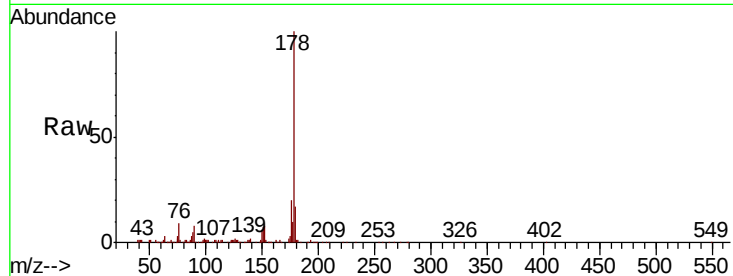
ClientSampleId :

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Tot Ion:	178	Resp:	108324
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.0	24.0
179	17.1	13.6	20.4

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#75

Fluoranthene

Concen: 12.547 ng

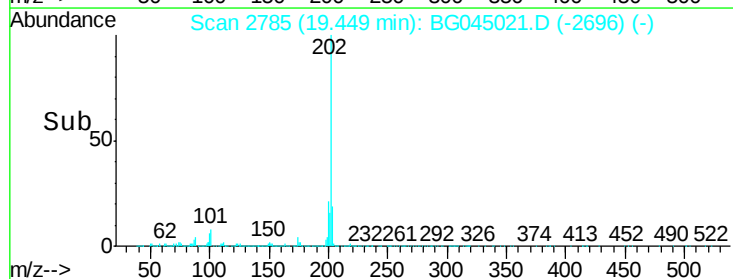
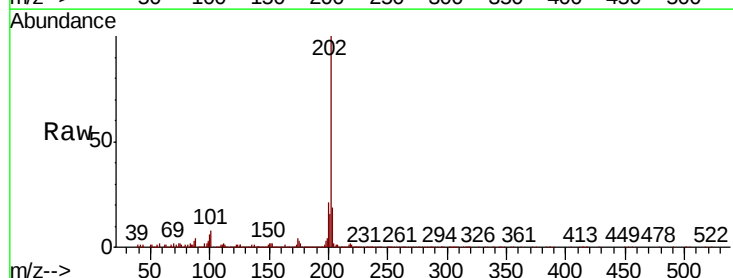
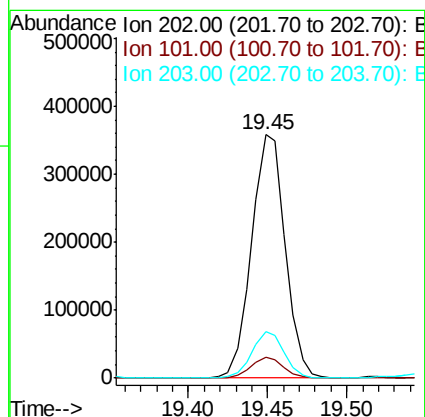
RT: 19.45 min Scan# 2785

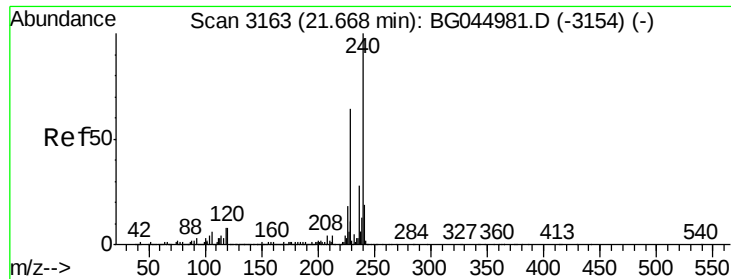
Delta R.T. -0.00 min

Lab File: BG045021.D

Acq: 17 Apr 2020 00:49

Tgt Ion:	202	Resp:	524944
Ion Ratio	Lower	Upper	
202	100		
101	8.3	0.0	29.6
203	19.1	0.0	39.7





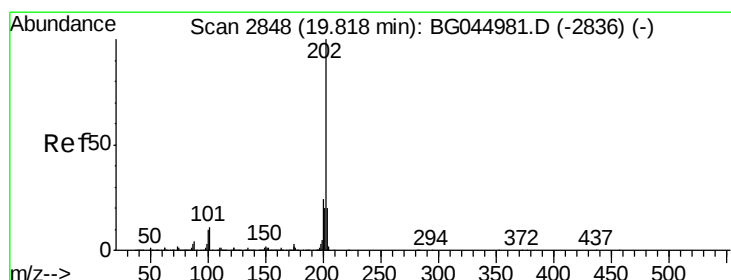
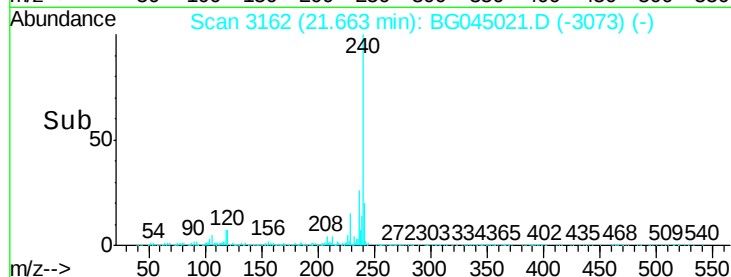
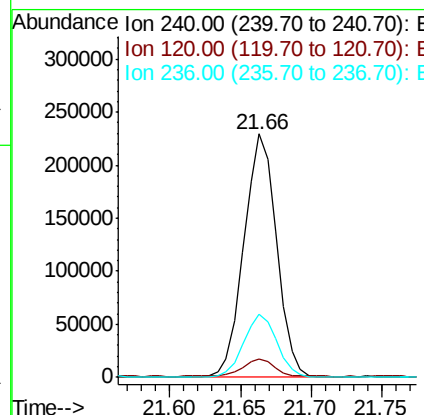
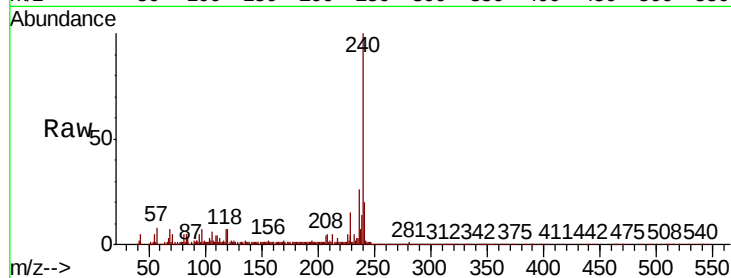
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3162
Delta R.T. -0.00 min
Lab File: BG045021.D
Acq: 17 Apr 2020 00:49

Instrument :
BNA_G
ClientSampleId :
TP-18

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.4	6.6	10.0
236	26.0	22.2	33.2

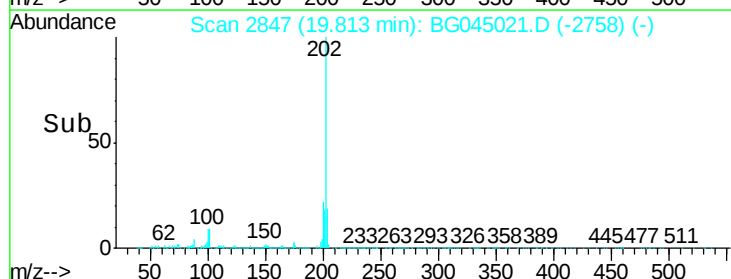
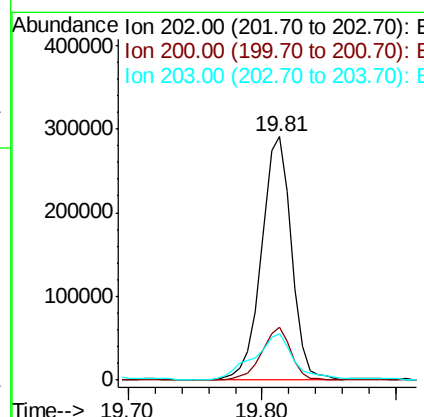
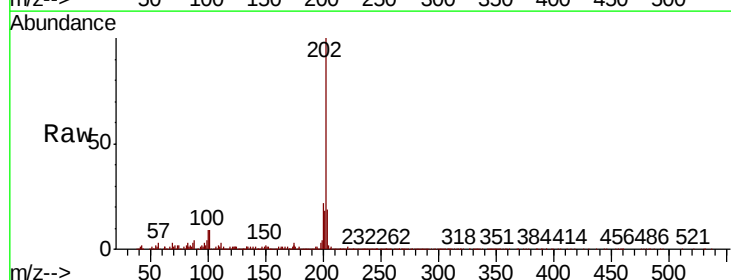
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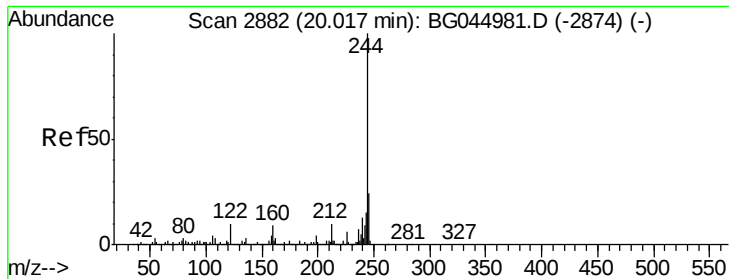
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#78
Pyrene
Concen: 17.506 ng
RT: 19.81 min Scan# 2847
Delta R.T. -0.00 min
Lab File: BG045021.D
Acq: 17 Apr 2020 00:49

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	19.0	28.6
203	19.1	16.1	24.1





#79

Terphenyl-d14

Concen: 20.032 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045021.D

Acq: 17 Apr 2020 00:49

Instrument :

BNA_G

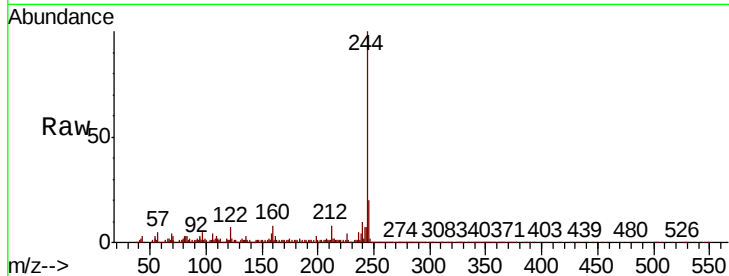
ClientSampleId :

TP-18

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	7.9	11.9#
122	7.2	7.7	11.5#

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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

20.01

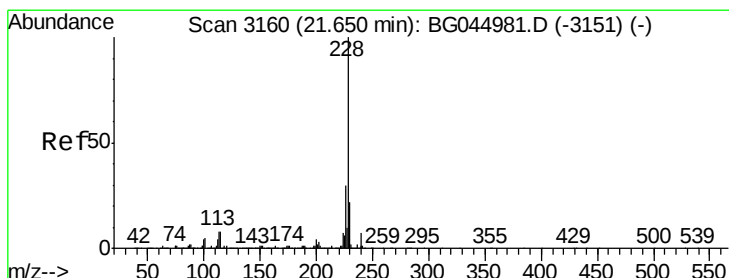
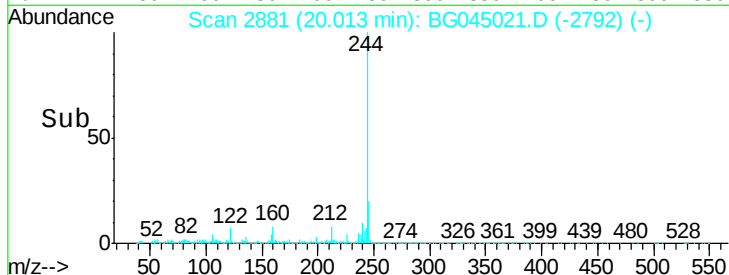
300000

200000

100000

0

Time--> 19.90 20.00 20.10



#81

Benzo(a)anthracene

Concen: 9.242 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.00 min

Lab File: BG045021.D

Acq: 17 Apr 2020 00:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	24.0	36.0
229	21.4	17.5	26.3

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

21.65

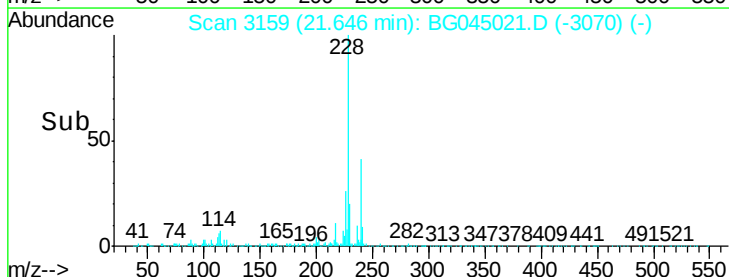
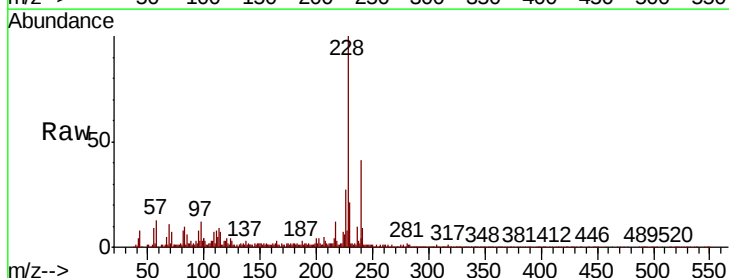
150000

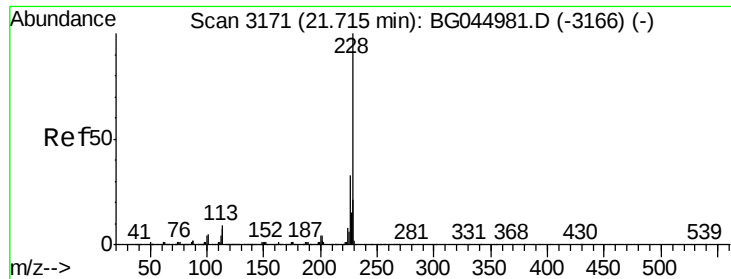
100000

50000

0

Time--> 21.55 21.60 21.65 21.70





#83

Chrysene

Concen: 8.392 ng

RT: 21.71 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BG045021.D

Acq: 17 Apr 2020 00:49

Instrument :

BNA_G

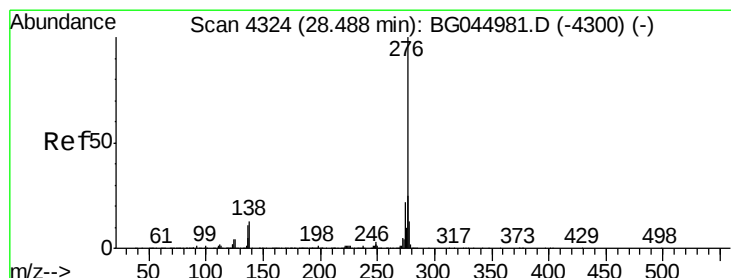
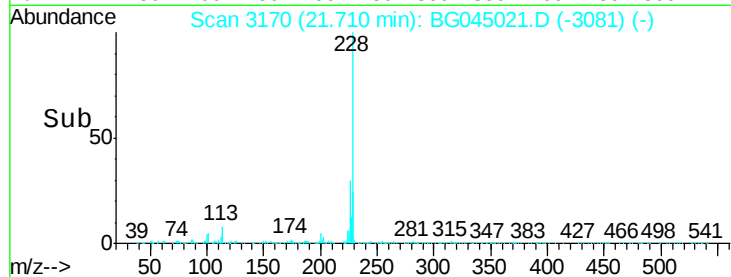
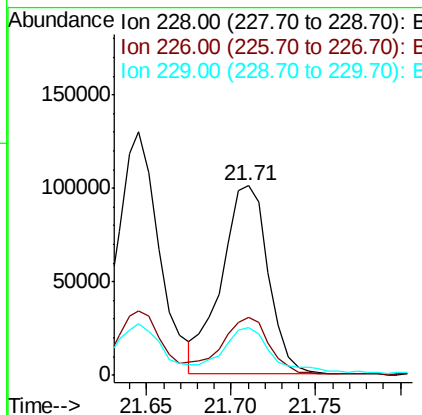
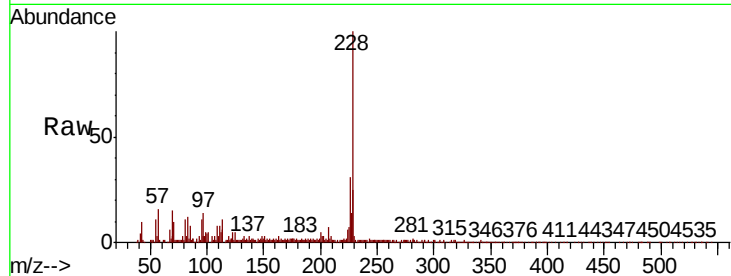
ClientSampled :

TP-18

Tot Ion:	228	Resp:	193491
Ion Ratio	Lower	Upper	
228	100		
226	30.9	26.2	39.4
229	25.3	17.0	25.6

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#86

Indeno(1,2,3-cd)pyrene

Concen: 3.998 ng

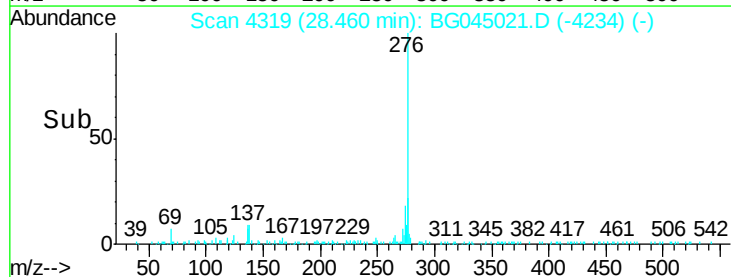
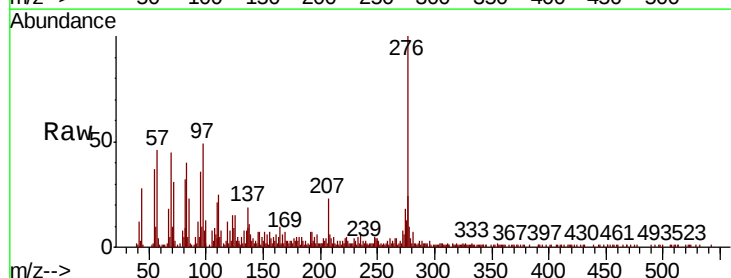
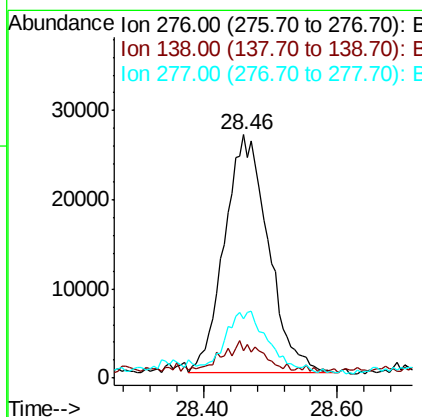
RT: 28.46 min Scan# 4319

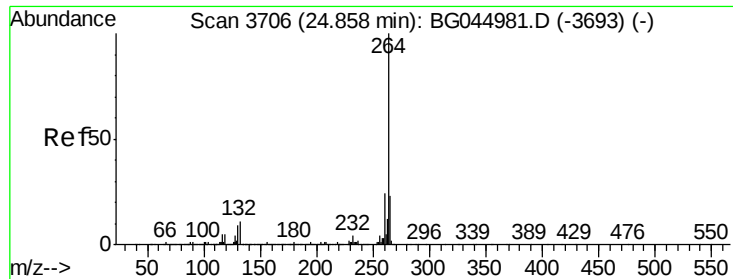
Delta R.T. -0.03 min

Lab File: BG045021.D

Acq: 17 Apr 2020 00:49

Tgt Ion:	276	Resp:	122407
Ion Ratio	Lower	Upper	
276	100		
138	10.7	9.6	14.4
277	9.0	20.6	31.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3705

Delta R.T. -0.00 min

Lab File: BG045021.D

Acq: 17 Apr 2020 00:49

Instrument :

BNA_G

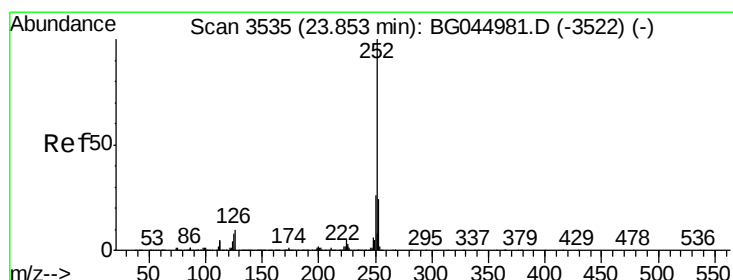
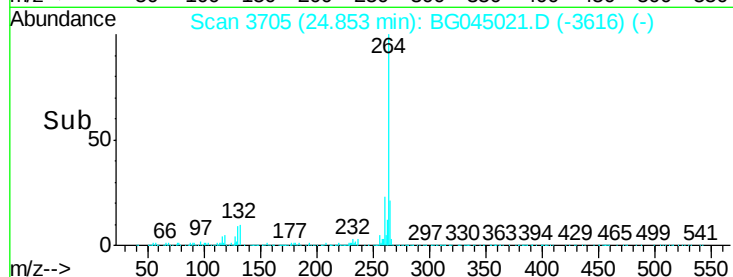
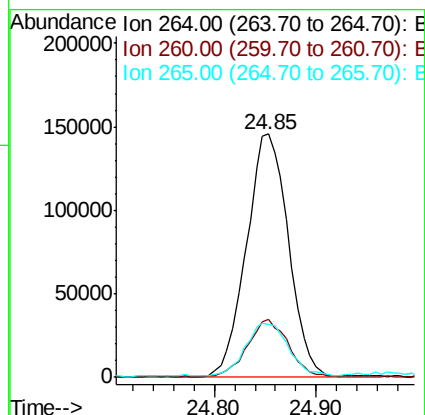
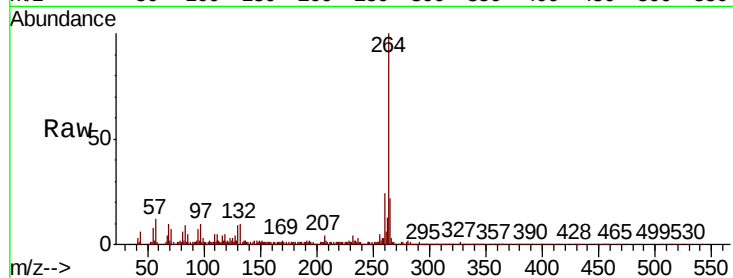
ClientSampleId :

TP-18

Tot Ion:	264	Resp:	417746
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	21.9	19.0	28.4

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#88

Benzo(b)fluoranthene

Concen: 8.938 ng m

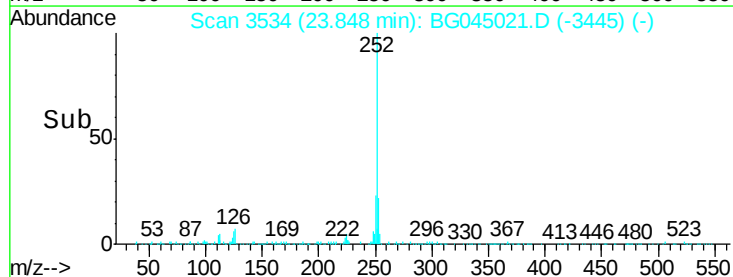
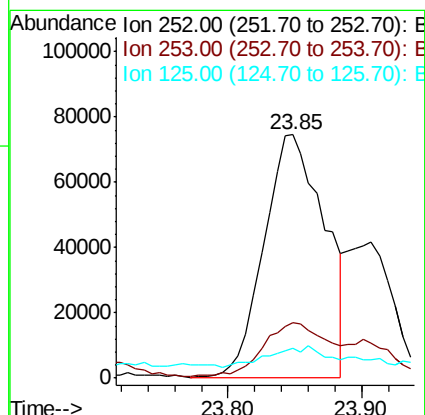
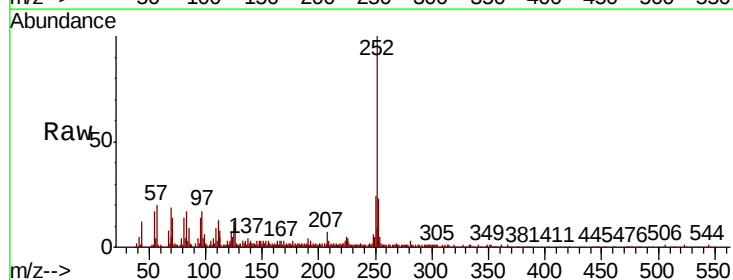
RT: 23.85 min Scan# 3534

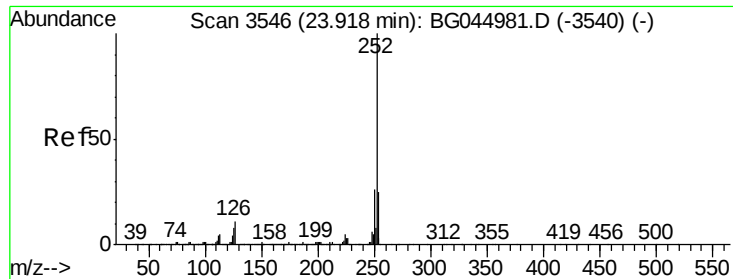
Delta R.T. -0.00 min

Lab File: BG045021.D

Acq: 17 Apr 2020 00:49

Tgt Ion:	252	Resp:	233881
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.8	28.2
125	12.3	6.2	9.4#





#89

Benzo(k)fluoranthene

Concen: 3.901 ng/mL

RT: 23.91 min Scan# 3544

Delta R.T. -0.01 min

Lab File: BG045021.D

Acq: 17 Apr 2020 00:49

Instrument :

BNA_G

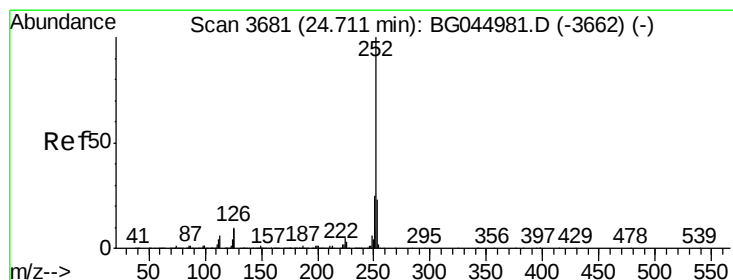
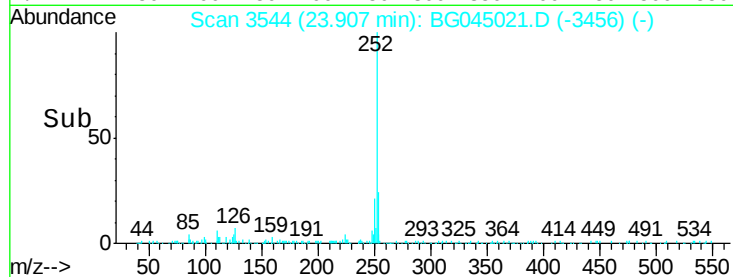
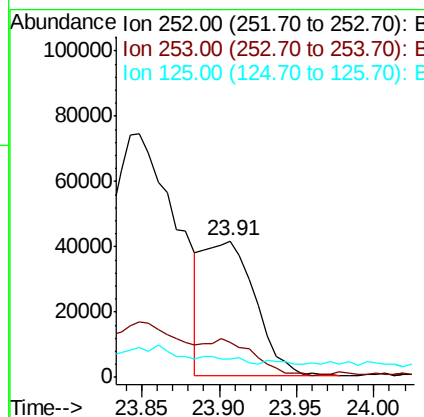
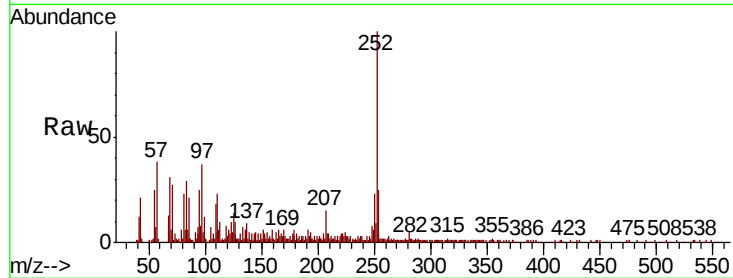
ClientSampled :

TP-18

Tot Ion:	252	Resp:	97083
Ion Ratio	Lower	Upper	
252	100		
253	25.4	19.2	28.8
125	13.8	5.9	8.9#

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#90

Benzo(a)pyrene

Concen: 7.936 ng/mL

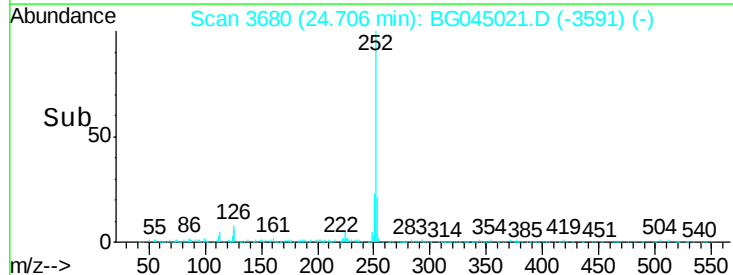
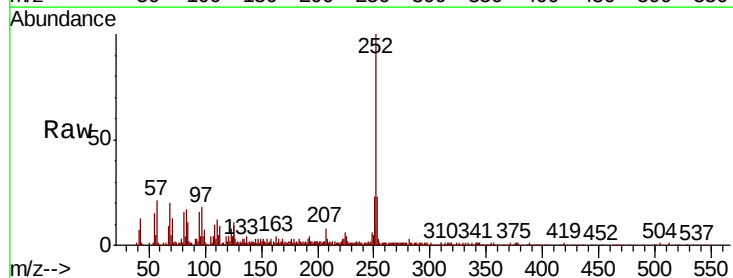
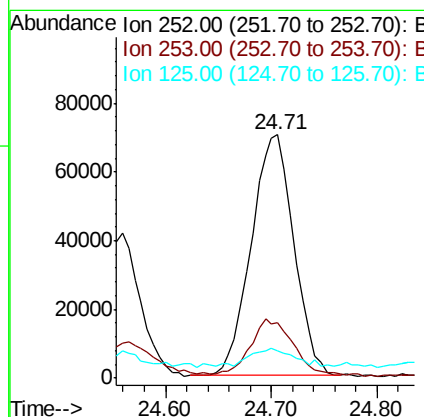
RT: 24.71 min Scan# 3680

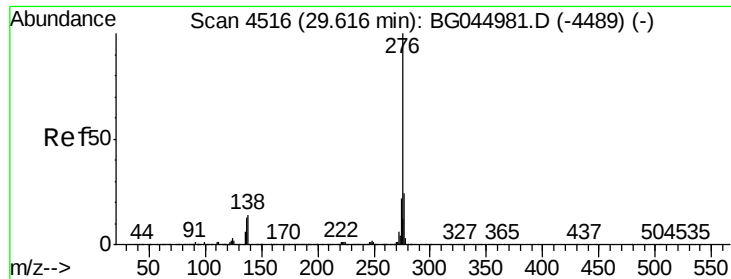
Delta R.T. -0.00 min

Lab File: BG045021.D

Acq: 17 Apr 2020 00:49

Tgt Ion:	252	Resp:	196067
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.3	27.5
125	11.1	7.0	10.6#





#92
 Benzo(a,h,i)perylene
 Concen: 4.609 ng
 RT: 29.59 min Scan# 4511
 Delta R.T. -0.03 min
 Lab File: BG045021.D
 Acq: 17 Apr 2020 00:49

Instrument :
 BNA_G
 ClientSampleId :
 TP-18

Tot Ion:	276	Resp:	115043
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.3	28.9
138	15.5	11.4	17.2

Manual Integrations
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