

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041620\
 Data File : BG045018.D
 Acq On : 16 Apr 2020 22:50
 Operator : CG/JU
 Sample : L2281-12 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-37-38-45-46

Manual Integrations
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mohammad
 4/17/2020 1:51:41 PM

Quant Time: Apr 17 05:51:36 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	8.03	152	74210	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	334862	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	227123	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	395122	20.00	ng	0.00
76) Chrysene-d12	21.68	240	371604	20.00	ng	0.00
87) Perylene-d12	24.87	264	406468	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	105714	23.52	ng	0.00
7) Phenol-d6	7.18	99	172306	25.80	ng	0.00
23) Nitrobenzene-d5	9.18	82	122179	16.65	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	79310	22.60	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	325112	20.99	ng	0.00
79) Terphenyl-d14	20.02	244	387454	22.73	ng	0.00
Target Compounds						
20) 3+4-Methylphenols	8.79	107	24553	3.402	ng	Qvalue 90
52) Acenaphthene	14.73	154	36150	2.487	ng	99
58) Fluorene	15.71	166	42167	2.436	ng	97
71) Phenanthrene	17.45	178	479181	23.600	ng	98
72) Anthracene	17.54	178	118435	5.815	ng	98
73) Carbazole	17.81	167	41707	2.018	ng	# 92
75) Fluoranthene	19.46	202	555317	19.816	ng	98
78) Pyrene	19.82	202	501303	19.568	ng	96
81) Benzo(a)anthracene	21.65	228	272848	11.328	ng	94
83) Chrysene	21.72	228	241324	10.428	ng	# 94
86) Indeno(1,2,3-cd)pyrene	28.49	276	132131	4.300	ng	# 88
88) Benzo(b)fluoranthene	23.86	252	293416	11.524	ng	# 77
89) Benzo(k)fluoranthene	23.92	252	100088m	4.134	ng	
90) Benzo(a)pyrene	24.71	252	226827	9.436	ng	# 71
92) Benzo(a,h,i)perylene	29.62	276	127121	5.235	ng	# 83

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

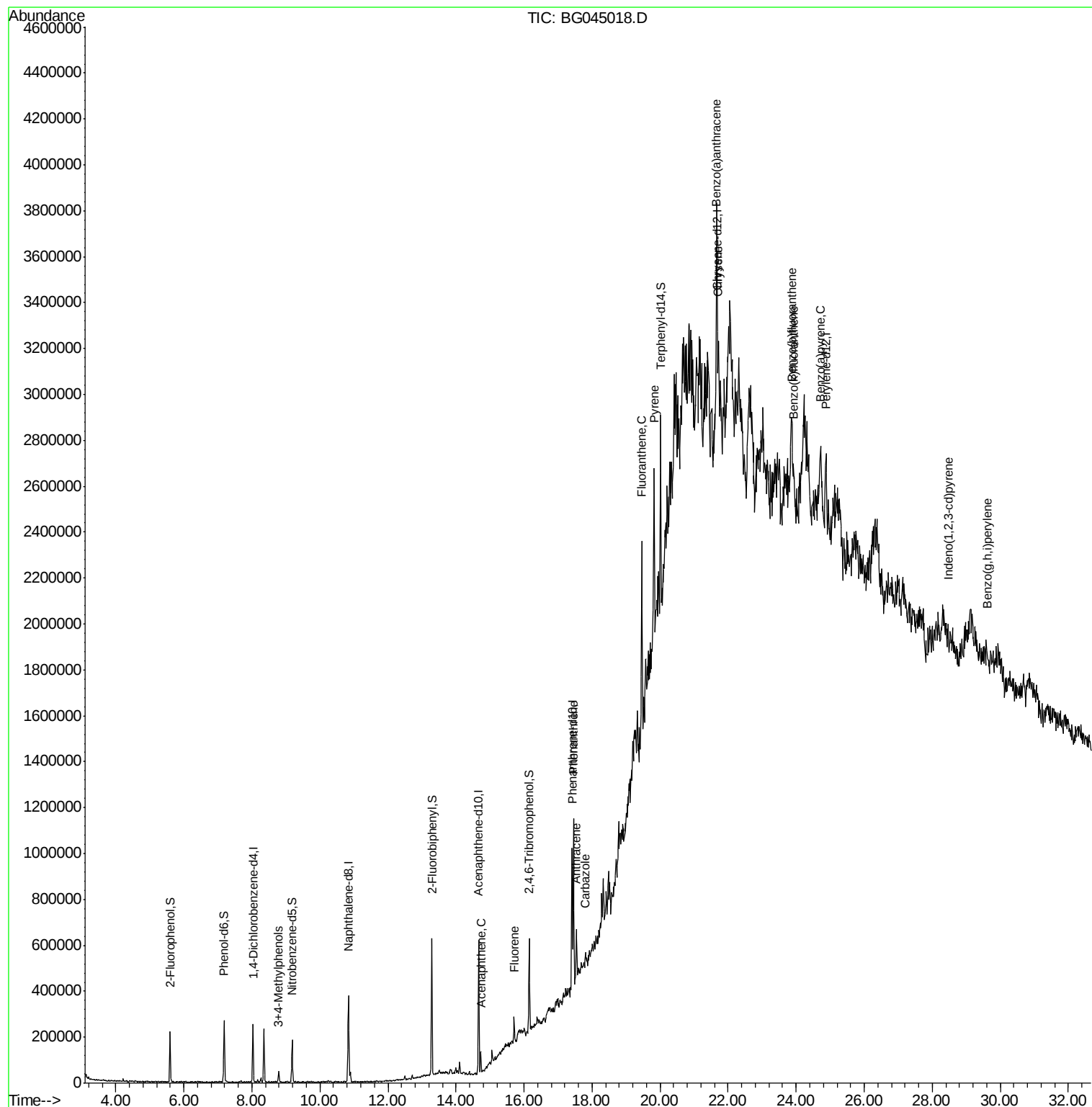
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041620\
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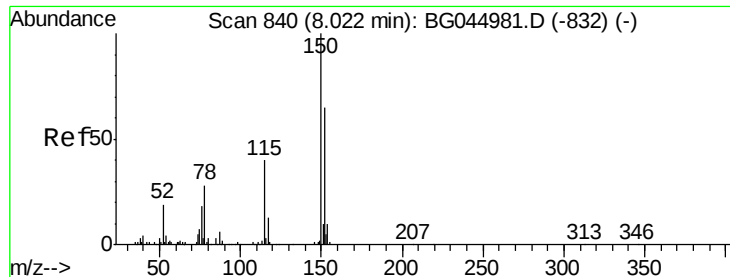
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

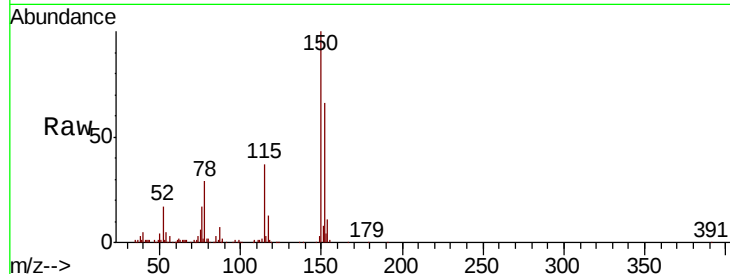
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. 0.01 min
Lab File: BG045018.D
Acq: 16 Apr 2020 22:50

Instrument :
BNA_G
ClientSampleId :
TP-37-38-45-46

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	123.6	185.4
115	56.4	49.1	73.7

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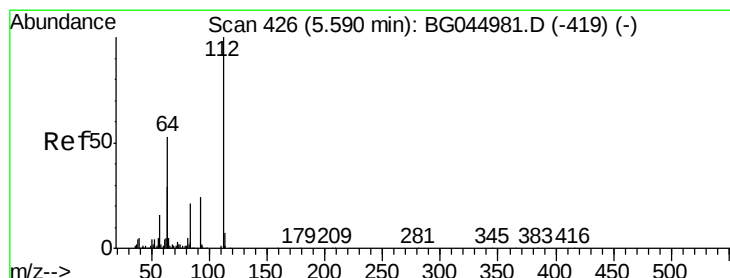
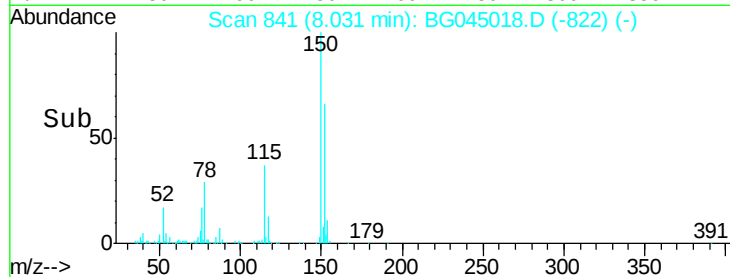
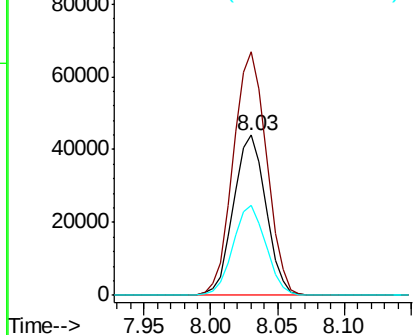


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

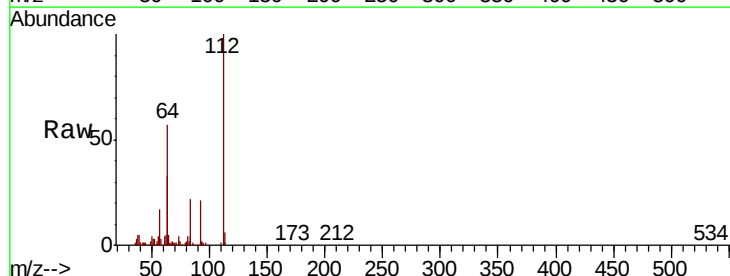
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 23.518 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.01 min
Lab File: BG045018.D
Acq: 16 Apr 2020 22:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	42.4	63.6
63	32.6	23.1	34.7

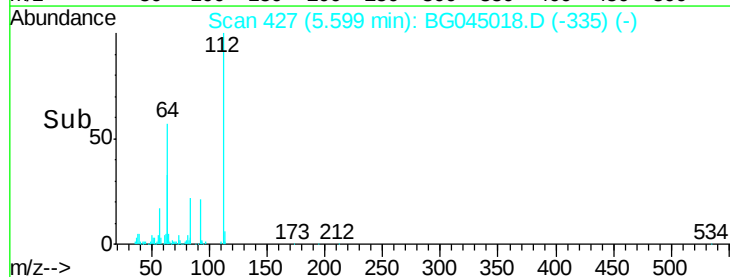
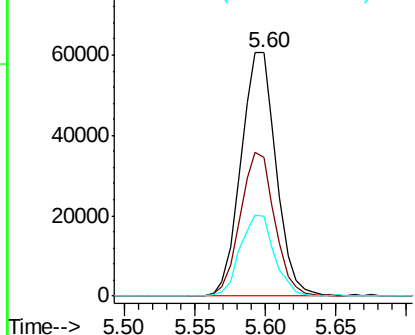


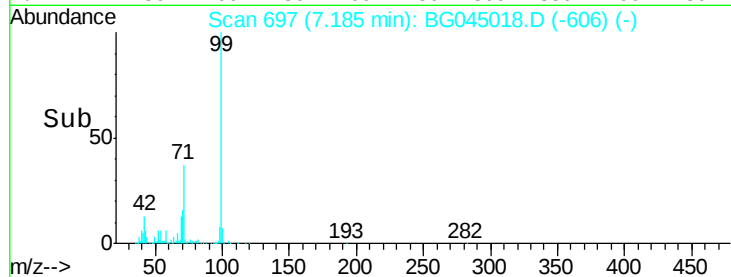
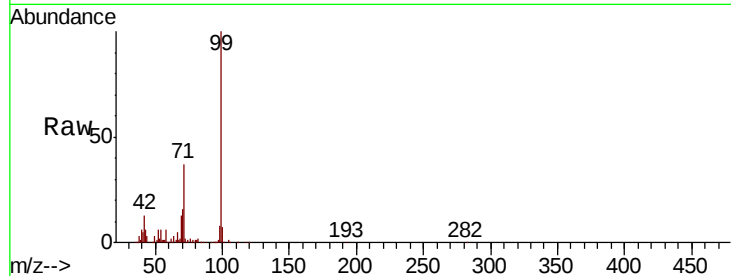
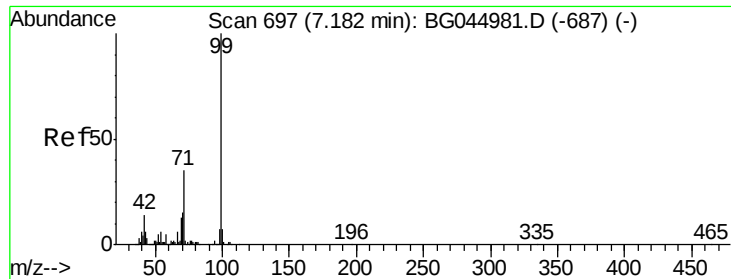
Abundance

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: 25.800 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Tot Ion	99	Resp	172306
Ion	Ratio	Lower	Upper
99	100		
42	13.3	11.3	16.9
71	37.5	28.3	42.5

Instrument :

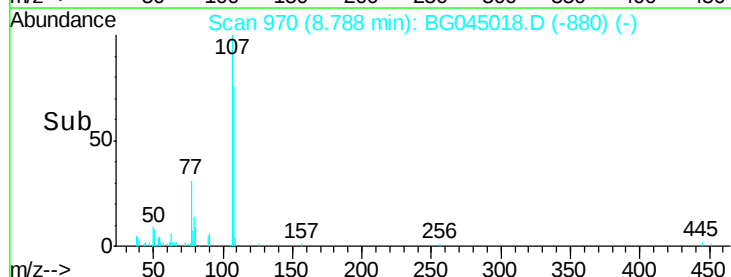
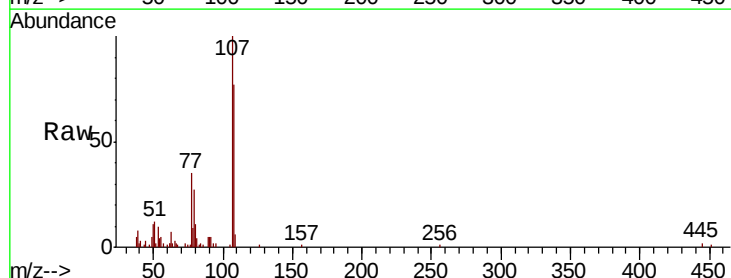
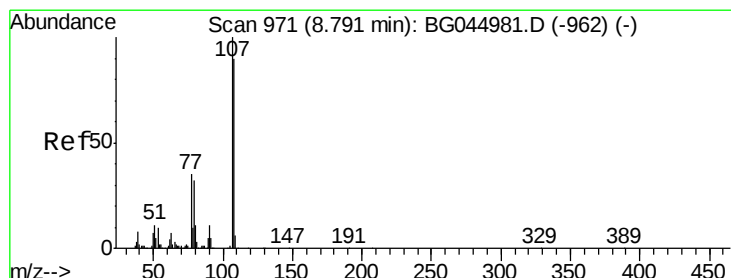
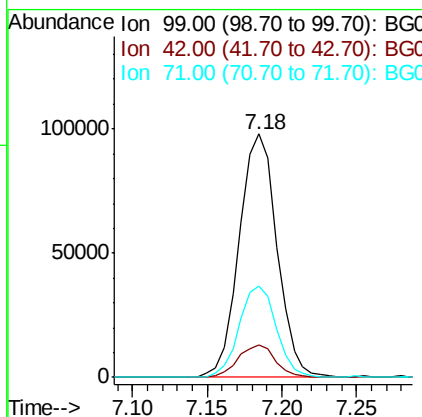
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ClientSampled :

TP-37-38-45-46

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#20

3+4-Methylphenols

Concen: 3.402 ng

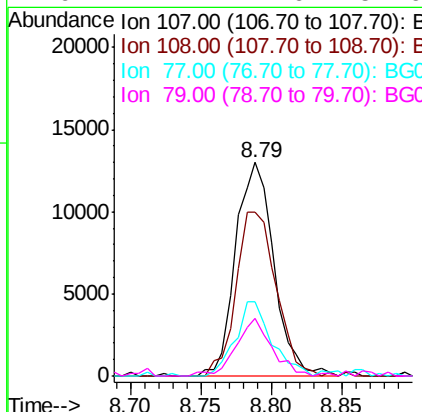
RT: 8.79 min Scan# 970

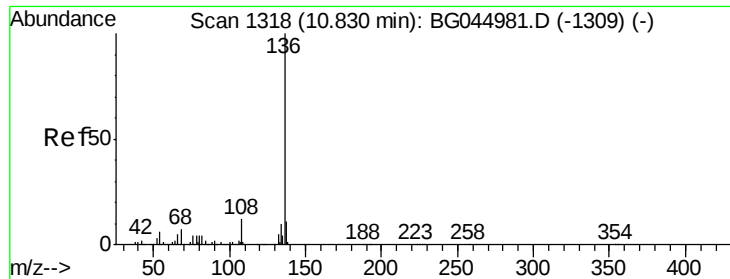
Delta R.T. -0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Tgt Ion	107	Resp	24553
Ion	Ratio	Lower	Upper
107	100		
108	76.8	69.9	109.9
77	35.1	15.2	55.2
79	27.2	11.6	51.6





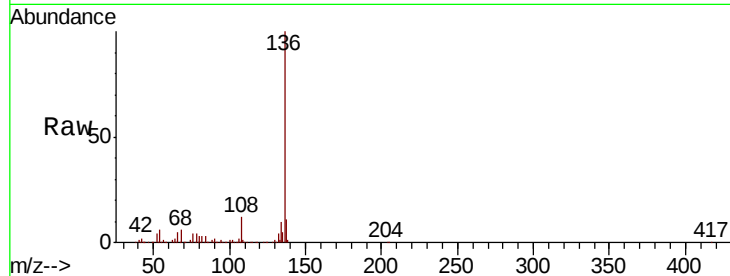
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BG045018.D
Acq: 16 Apr 2020 22:50

Instrument :
BNA_G
ClientSampleId :
TP-37-38-45-46

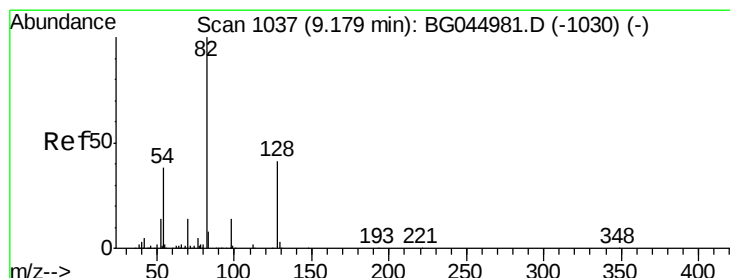
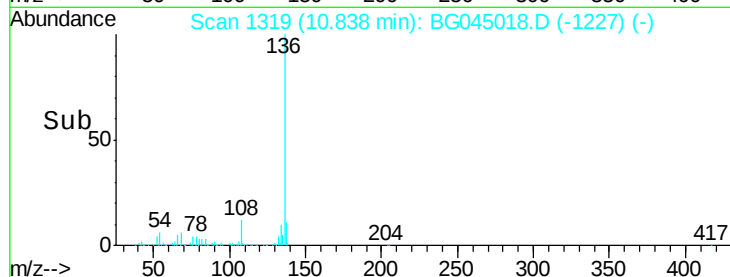
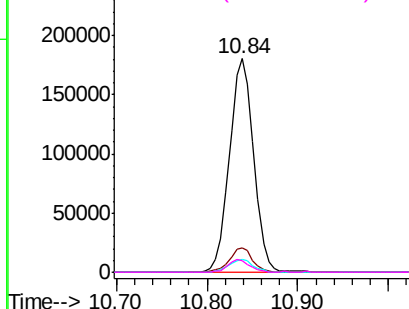
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		334862		
137	11.2	8.6	13.0		
54	6.1	4.8	7.2		
68	5.6	5.2	7.8		

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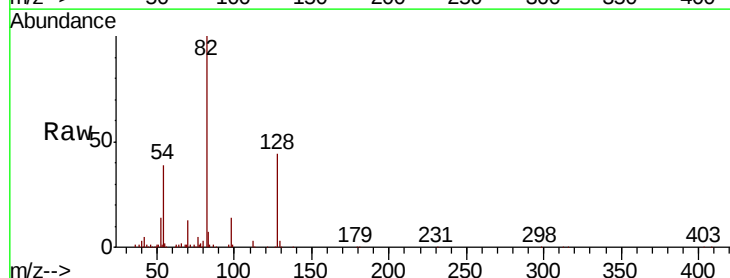


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

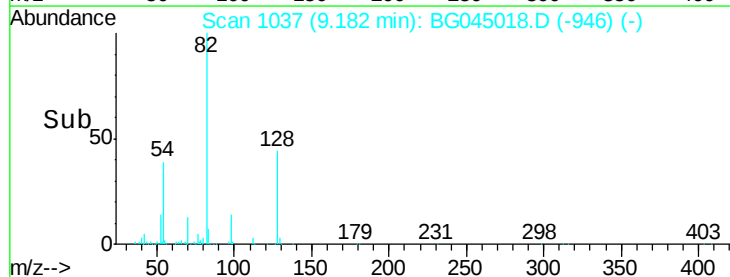
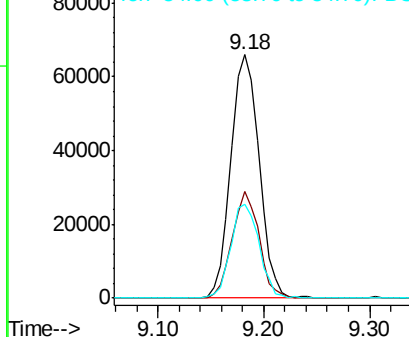


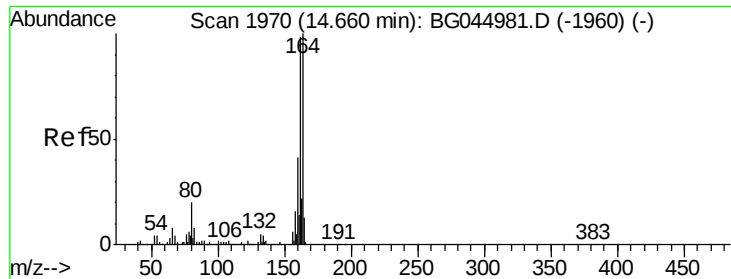
#23
Nitrobenzene-d5
Concen: 16.648 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BG045018.D
Acq: 16 Apr 2020 22:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		122179		
128	43.7	33.0	49.4		
54	38.6	30.4	45.6		



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





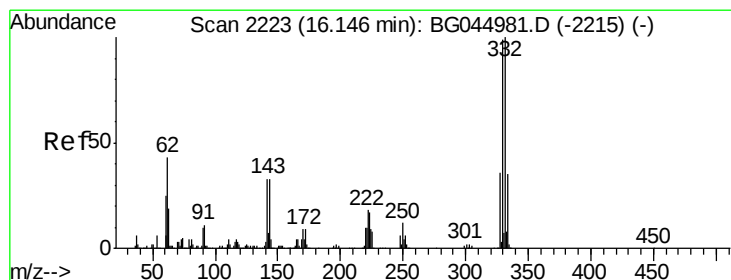
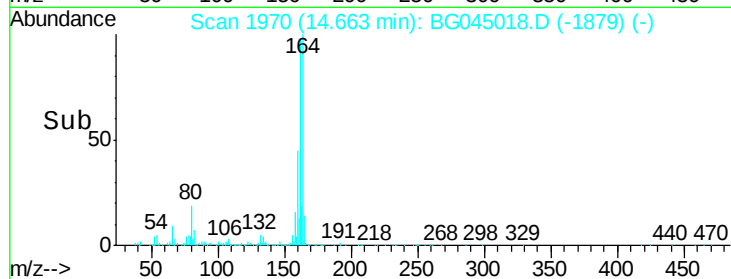
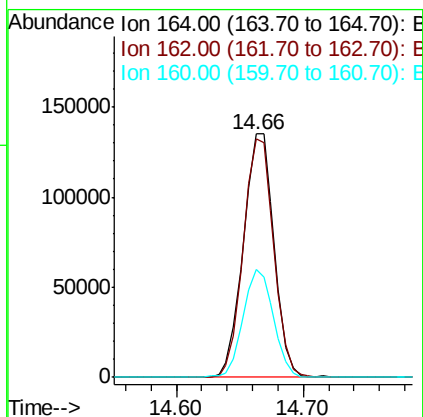
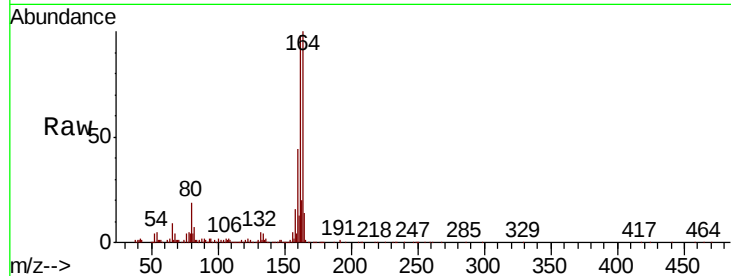
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. 0.00 min
Lab File: BG045018.D
Acq: 16 Apr 2020 22:50

Instrument :
BNA_G
ClientSampleId :
TP-37-38-45-46

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.2	78.7	118.1
160	44.5	32.8	49.2

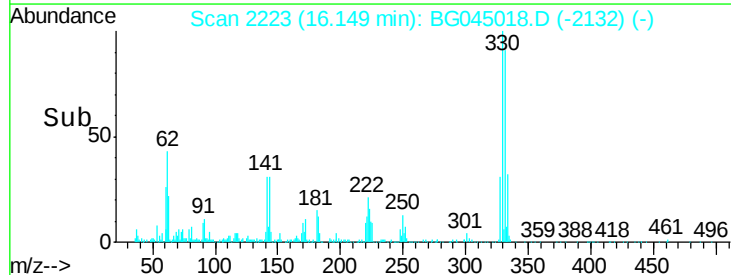
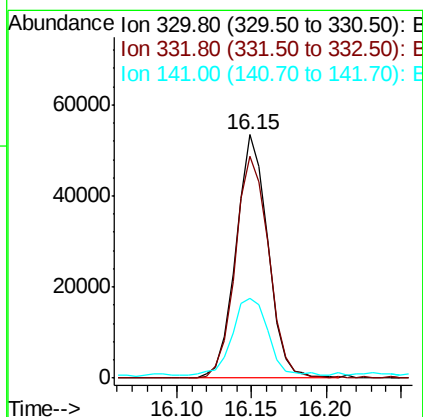
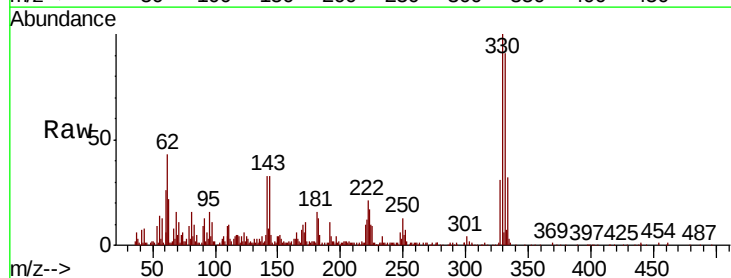
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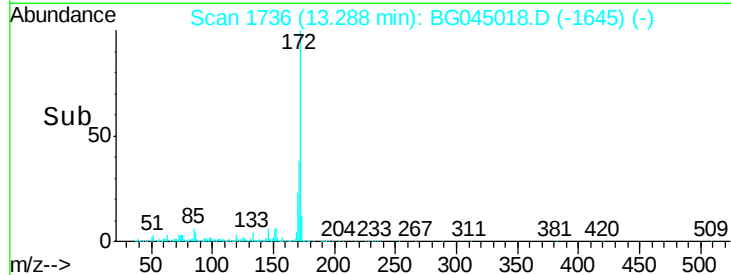
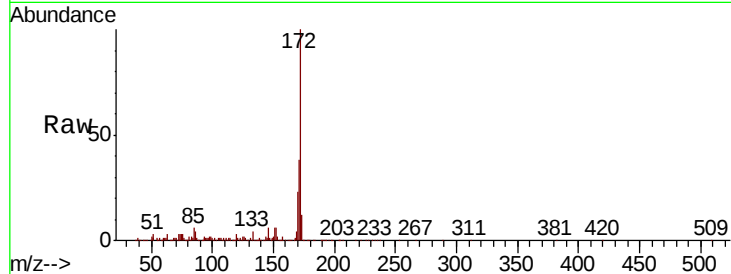
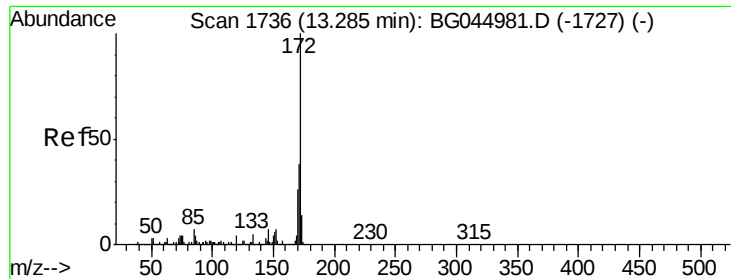
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#42
2,4,6-Tribromophenol
Concen: 22.603 ng
RT: 16.15 min Scan# 2223
Delta R.T. 0.00 min
Lab File: BG045018.D
Acq: 16 Apr 2020 22:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	79.1	118.7
141	36.3	27.1	40.7





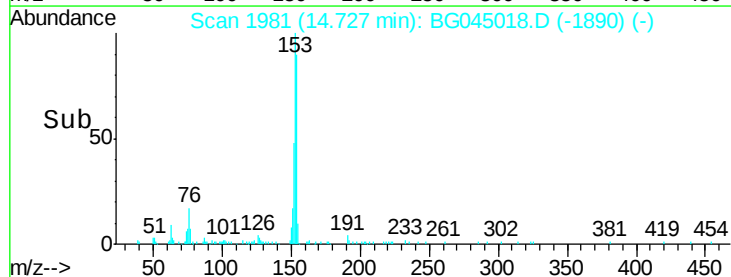
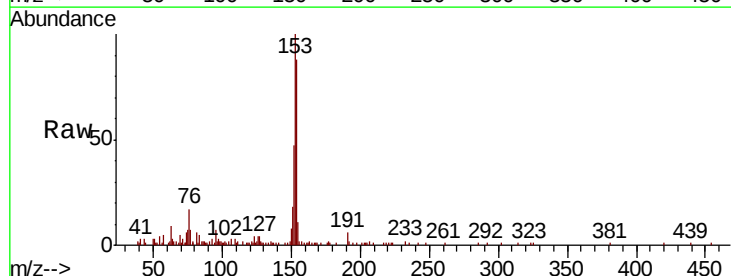
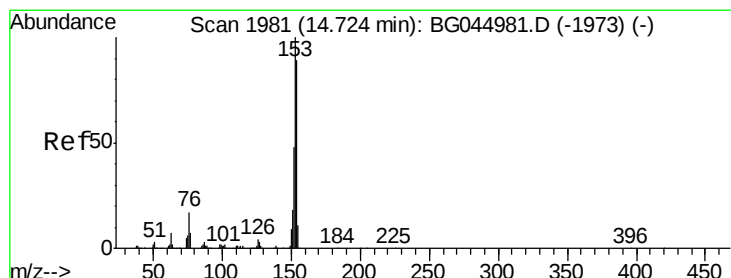
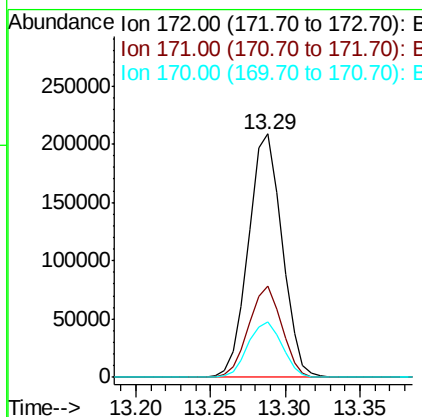
#45
2-Fluorobiphenyl
Concen: 20.989 ng
RT: 13.29 min Scan# 1736
Delta R.T. 0.00 min
Lab File: BG045018.D
Acq: 16 Apr 2020 22:50

Tot Ion:	172	Resp:	325112
Ion Ratio	Lower	Upper	
172	100		
171	37.6	30.6	46.0
170	23.0	20.5	30.7

Instrument :
BNA_G
ClientSampleId :
TP-37-38-45-46

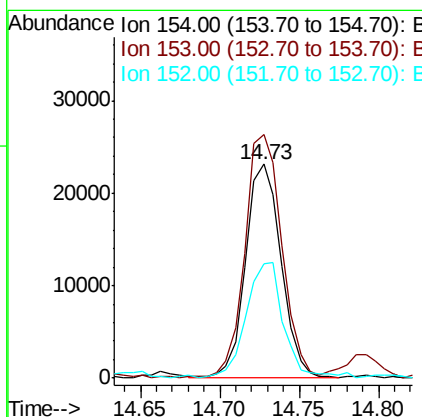
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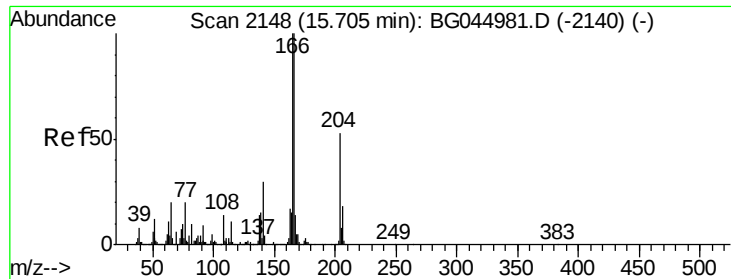
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#52
Acenaphthene
Concen: 2.487 ng
RT: 14.73 min Scan# 1981
Delta R.T. 0.00 min
Lab File: BG045018.D
Acq: 16 Apr 2020 22:50

Tgt Ion:	154	Resp:	36150
Ion Ratio	Lower	Upper	
154	100		
153	113.8	89.7	134.5
152	53.6	43.1	64.7





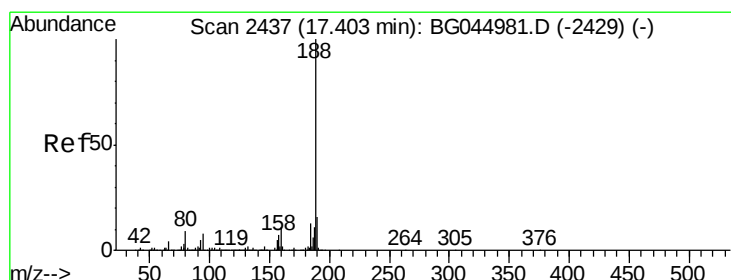
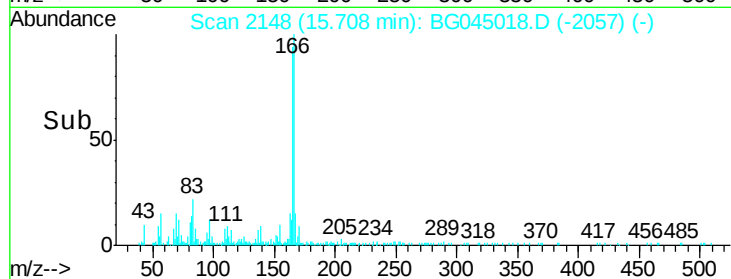
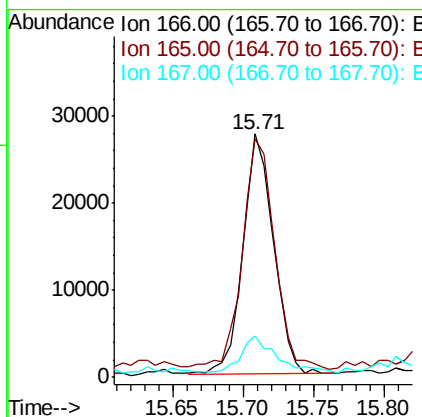
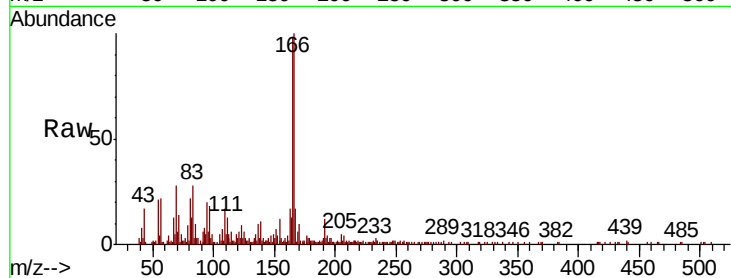
#58
Fluorene
 Concen: 2.436 ng
 RT: 15.71 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: BG045018.D
 Acq: 16 Apr 2020 22:50

Instrument :
 BNA_G
 ClientSampleId :
 TP-37-38-45-46

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.9	119.9
167	16.9	11.4	17.0

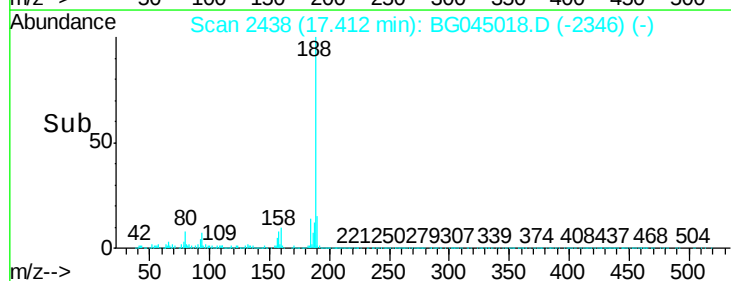
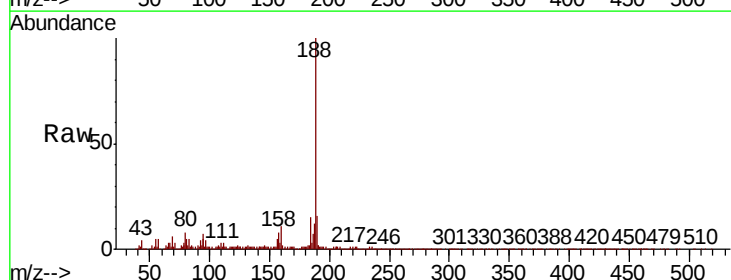
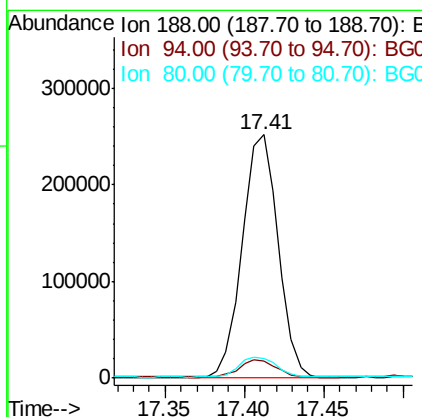
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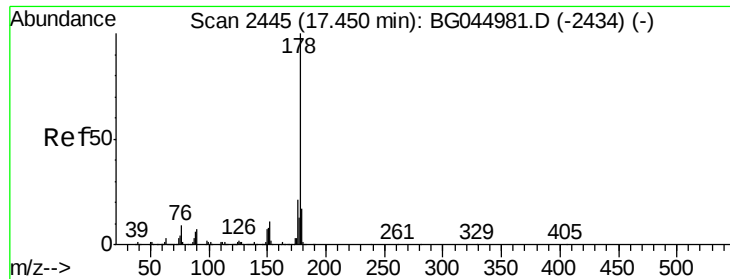
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. 0.01 min
 Lab File: BG045018.D
 Acq: 16 Apr 2020 22:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.2	9.4
80	8.2	7.0	10.6





#71

Phenanthrene

Concen: 23.600 ng

RT: 17.45 min Scan# 2445

Delta R.T. 0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Instrument :

BNA_G

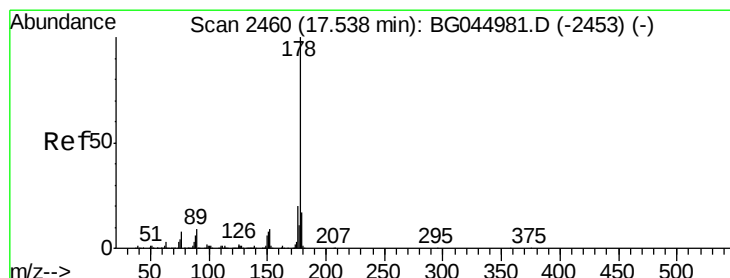
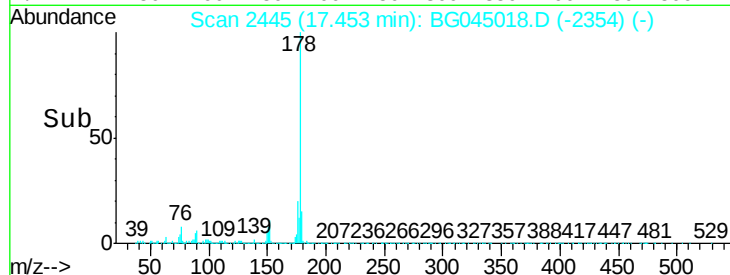
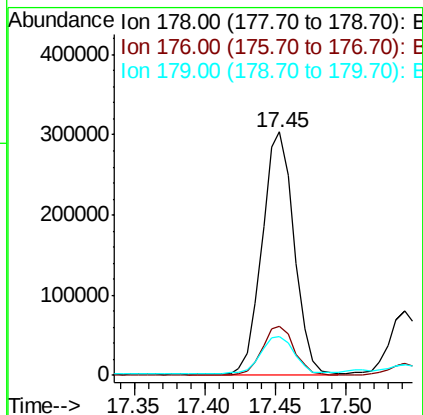
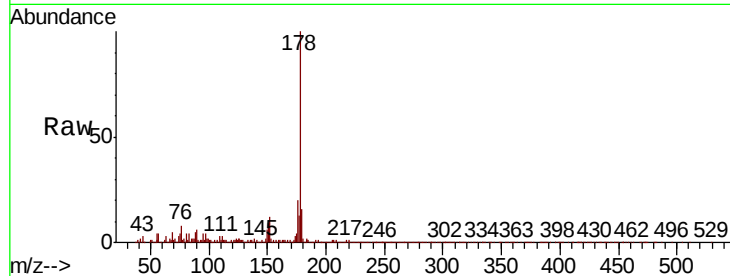
ClientSampleId :

TP-37-38-45-46

Tot Ion:	178	Resp:	479181
Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.8	25.2
179	15.8	13.2	19.8

Manual Integrations
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#72

Anthracene

Concen: 5.815 ng

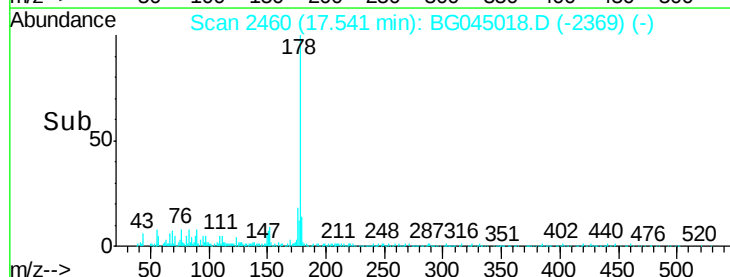
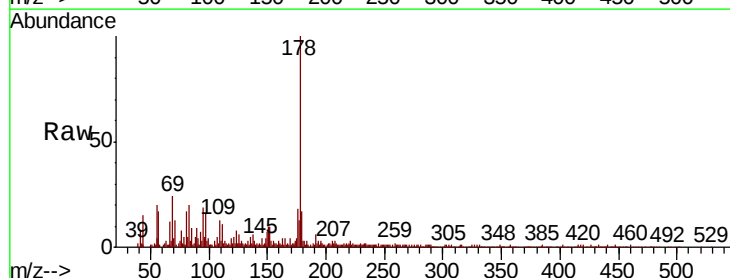
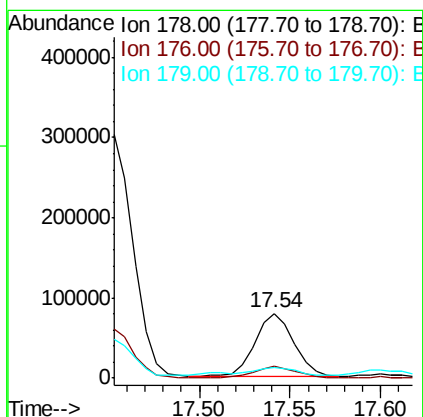
RT: 17.54 min Scan# 2460

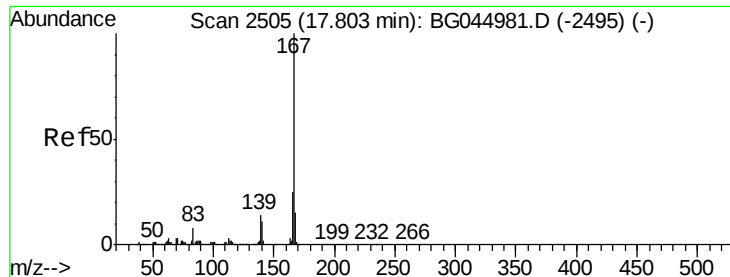
Delta R.T. 0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Tgt Ion:	178	Resp:	118435
Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.0	24.0
179	16.9	13.6	20.4





#73

Carbazole

Concen: 2.018 ng

RT: 17.81 min Scan# 2505

Delta R.T. 0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Instrument :

BNA_G

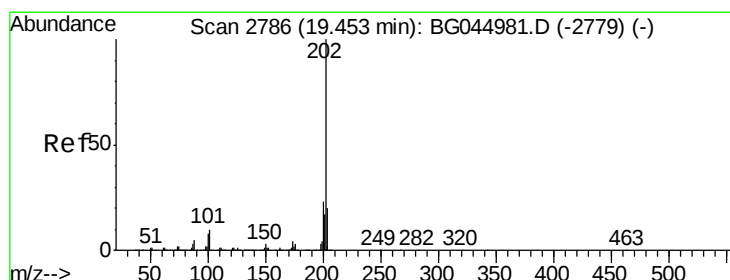
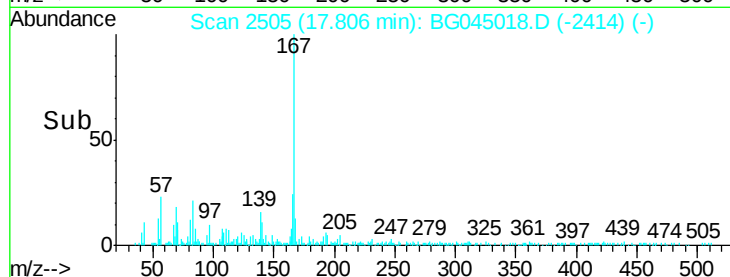
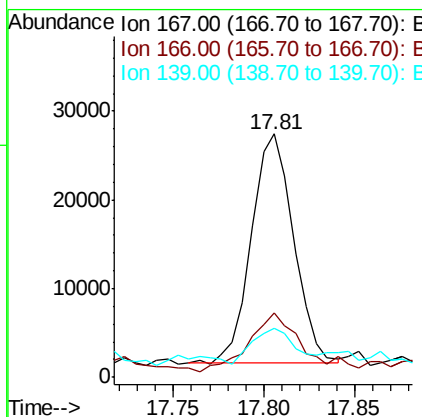
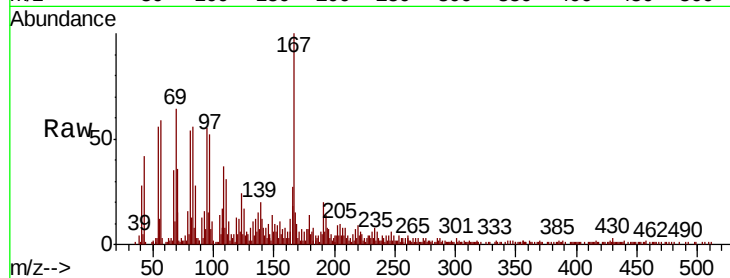
ClientSampleId :

TP-37-38-45-46

Tot Ion:	167	Resp:	41707
Ion Ratio	Lower	Upper	
167	100		
166	26.7	19.8	29.6
139	20.2	10.9	16.3#

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#75

Fluoranthene

Concen: 19.816 ng

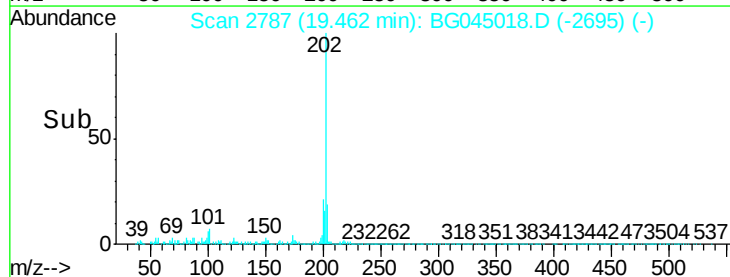
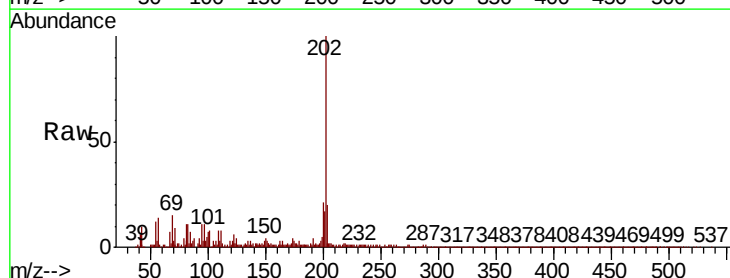
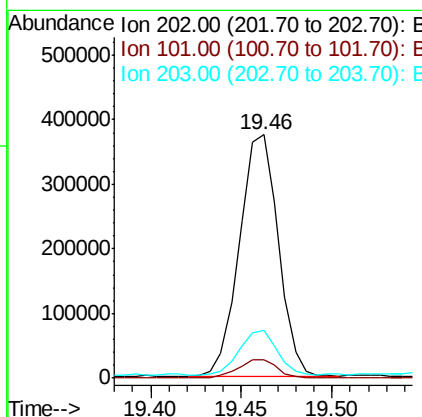
RT: 19.46 min Scan# 2787

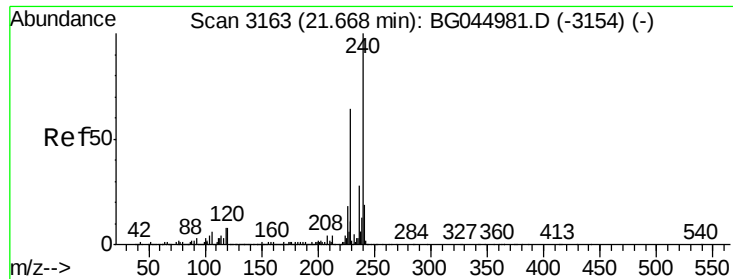
Delta R.T. 0.01 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Tgt Ion:	202	Resp:	555317
Ion Ratio	Lower	Upper	
202	100		
101	7.5	0.0	29.6
203	19.5	0.0	39.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3164

Delta R.T. 0.01 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Instrument :

BNA_G

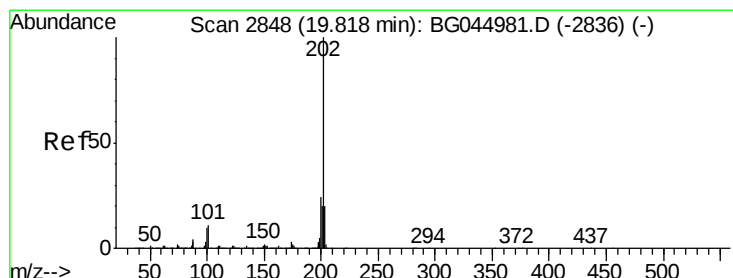
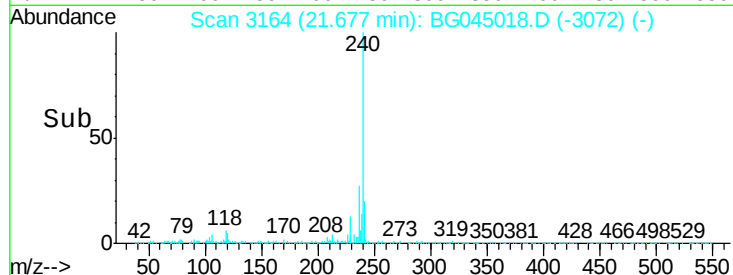
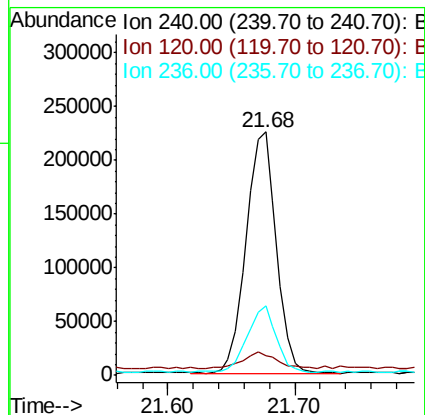
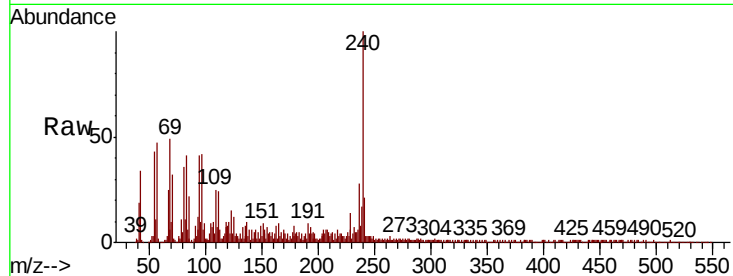
ClientSampleId :

TP-37-38-45-46

Tot Ion:	240	Resp:	371604
Ion Ratio	Lower	Upper	
240	100		
120	8.0	6.6	10.0
236	28.5	22.2	33.2

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#78

Pyrene

Concen: 19.568 ng

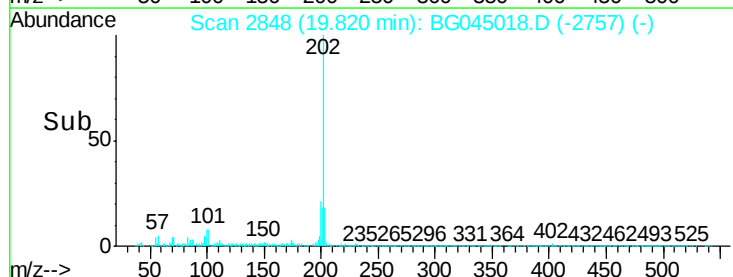
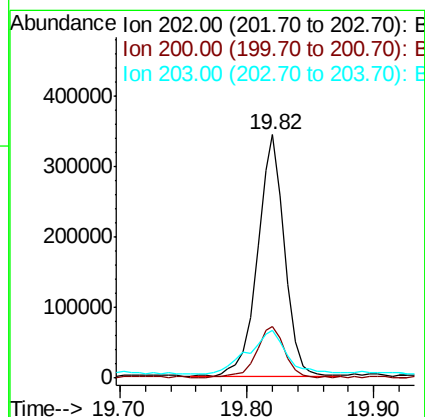
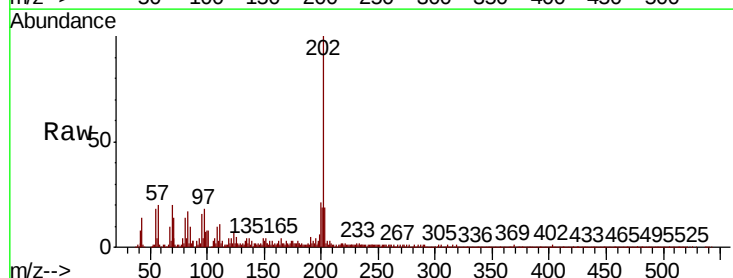
RT: 19.82 min Scan# 2848

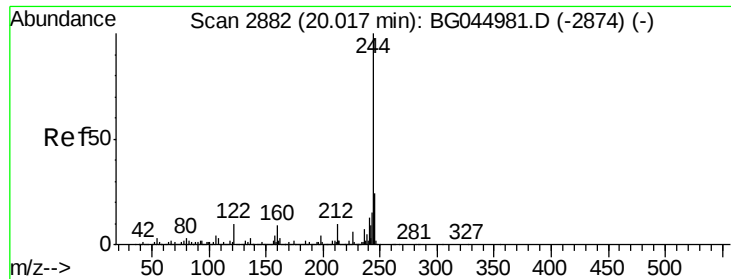
Delta R.T. 0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Tgt Ion:	202	Resp:	501303
Ion Ratio	Lower	Upper	
202	100		
200	21.2	19.0	28.6
203	19.4	16.1	24.1





#79

Terphenyl-d14

Concen: 22.725 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Instrument :

BNA_G

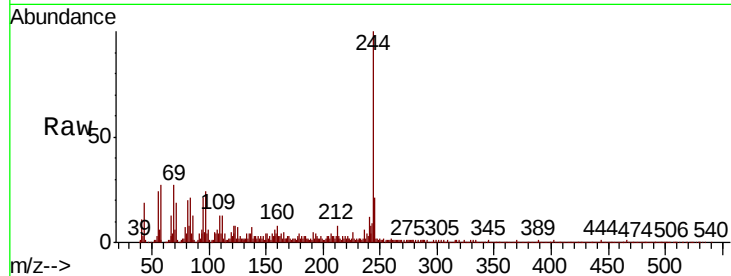
ClientSampleId :

TP-37-38-45-46

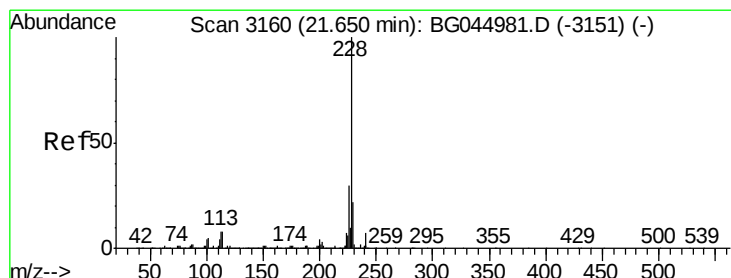
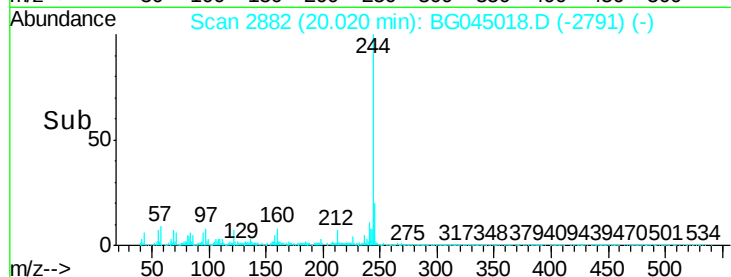
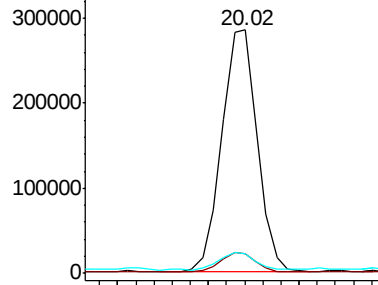
Tot Ion:	244	Resp:	387454
Ion Ratio	Lower	Upper	
244	100		
212	8.0	7.9	11.9
122	8.3	7.7	11.5

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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



#81

Benzo(a)anthracene

Concen: 11.328 ng

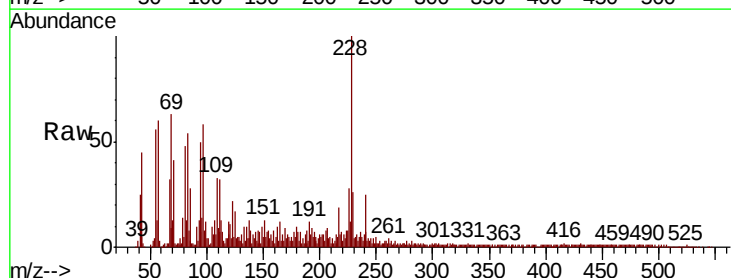
RT: 21.65 min Scan# 3160

Delta R.T. 0.00 min

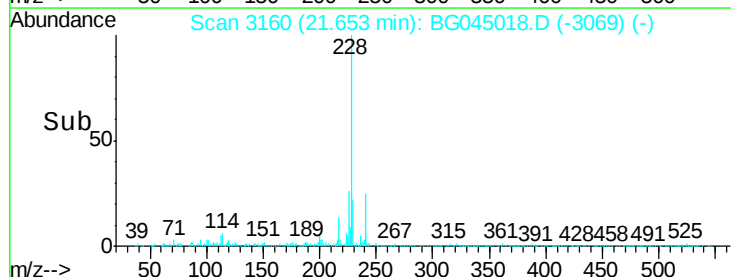
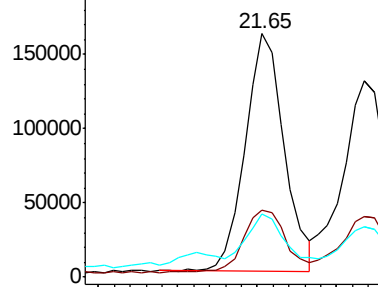
Lab File: BG045018.D

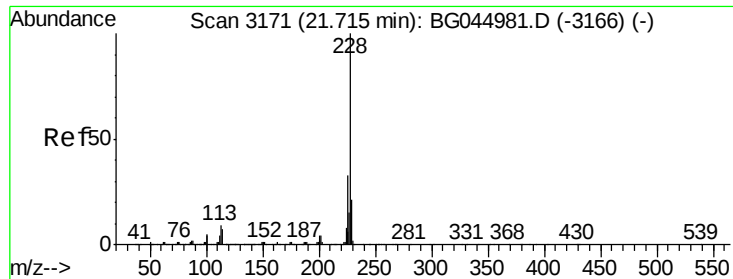
Acq: 16 Apr 2020 22:50

Tgt Ion:	228	Resp:	272848
Ion Ratio	Lower	Upper	
228	100		
226	27.7	24.0	36.0
229	25.8	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





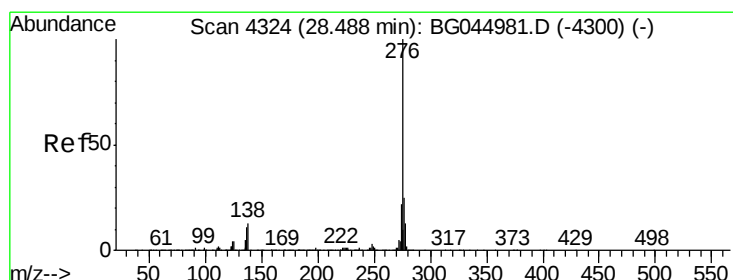
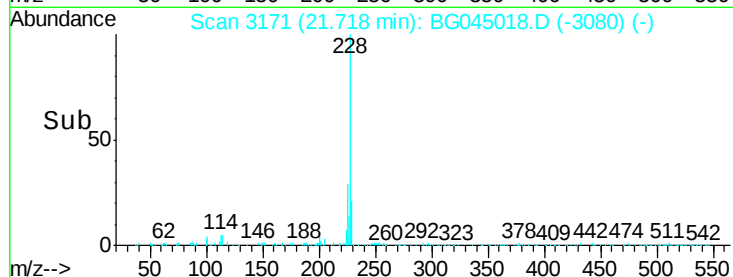
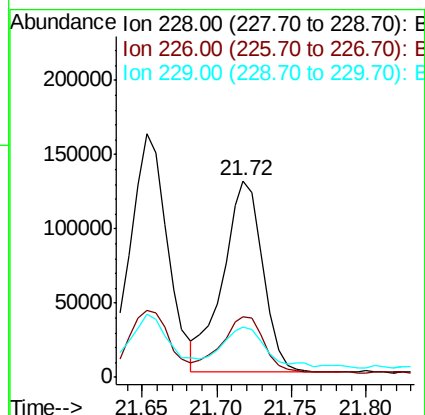
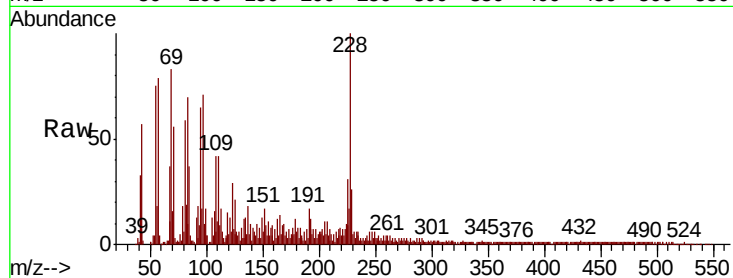
#83
Chrysene
Concen: 10.428 ng
RT: 21.72 min Scan# 3171
Delta R.T. 0.00 min
Lab File: BG045018.D
Acq: 16 Apr 2020 22:50

Instrument :
BNA_G
ClientSampleId :
TP-37-38-45-46

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	26.2	39.4
229	25.6	17.0	25.6

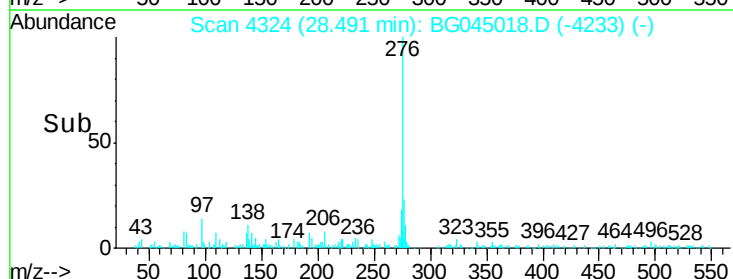
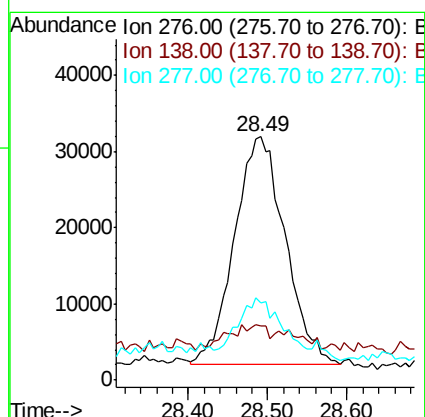
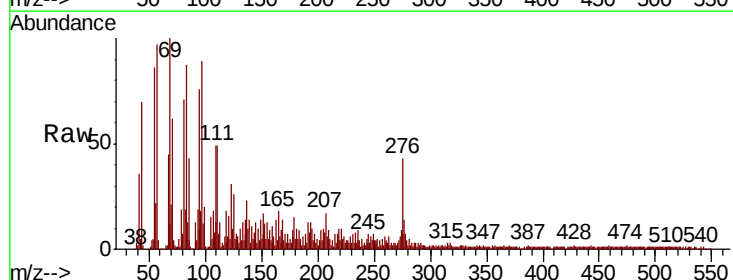
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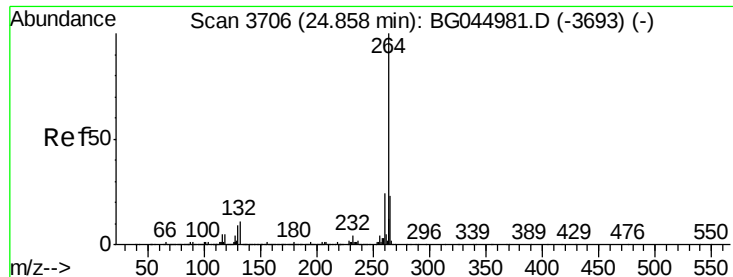
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.300 ng
RT: 28.49 min Scan# 4324
Delta R.T. 0.00 min
Lab File: BG045018.D
Acq: 16 Apr 2020 22:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.1	9.6	14.4
277	19.0	20.6	31.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.87 min Scan# 3707

Delta R.T. 0.01 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Instrument :

BNA_G

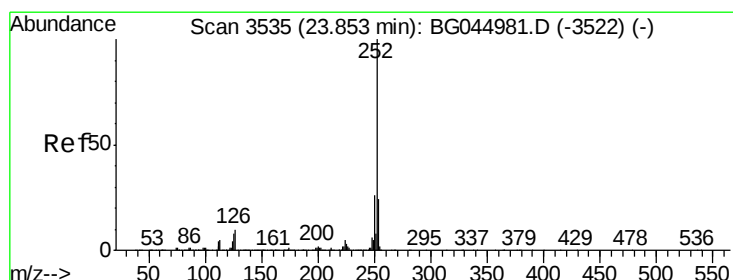
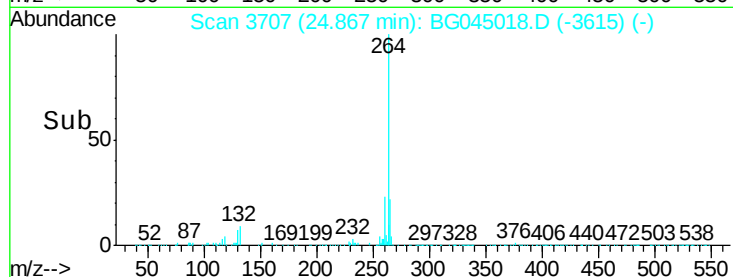
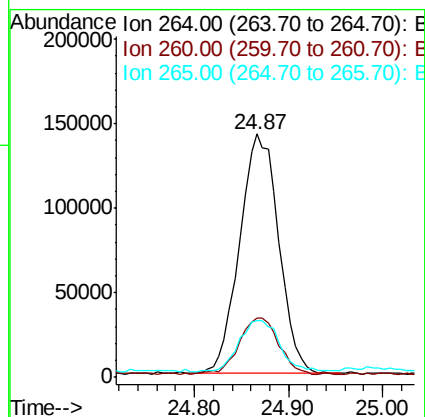
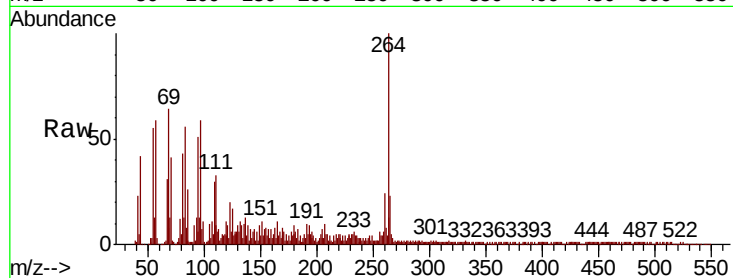
ClientSampleId :

TP-37-38-45-46

Tot Ion:	264	Resp:	406468
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.2	28.8
265	23.3	19.0	28.4

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#88

Benzo(b)fluoranthene

Concen: 11.524 ng

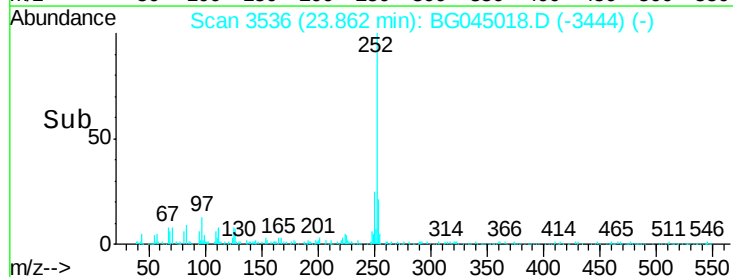
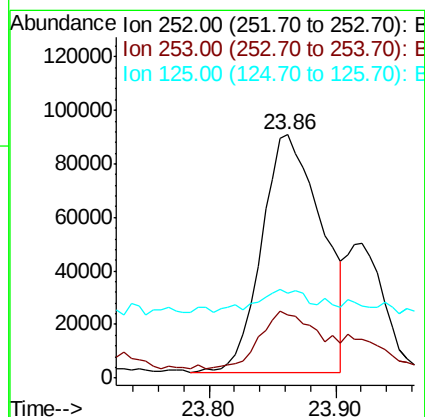
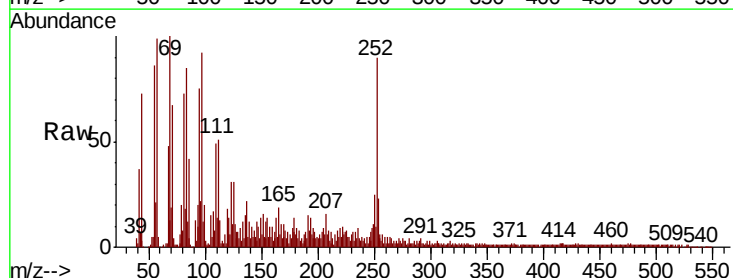
RT: 23.86 min Scan# 3536

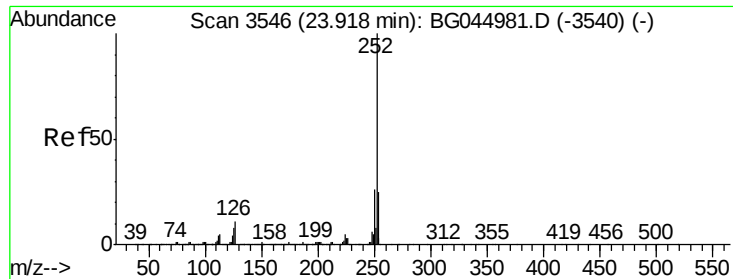
Delta R.T. 0.01 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Tgt Ion:	252	Resp:	293416
Ion Ratio	Lower	Upper	
252	100		
253	25.9	18.8	28.2
125	35.0	6.2	9.4#





#89

Benzo(k)fluoranthene

Concen: 4.134 ng m

RT: 23.92 min Scan# 3546

Delta R.T. 0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Instrument :

BNA_G

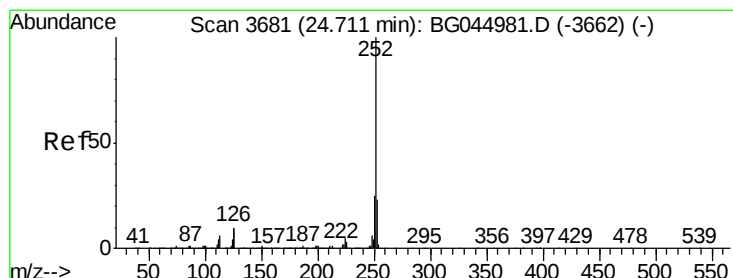
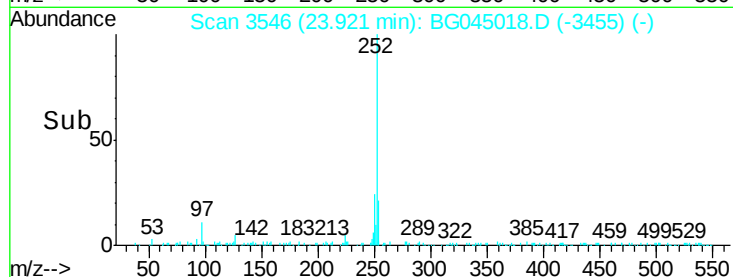
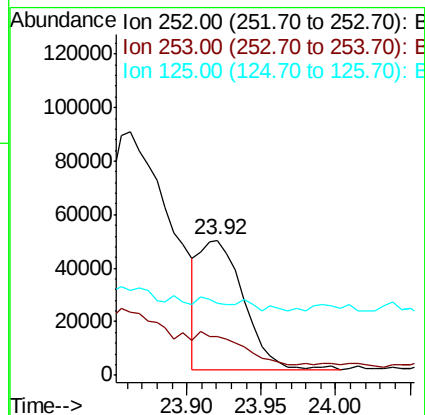
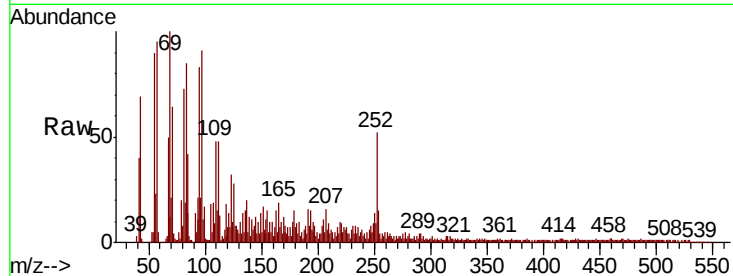
ClientSampleId :

TP-37-38-45-46

Tot Ion:	252	Resp:	100088
Ion Ratio	Lower	Upper	
252	100		
253	29.2	19.2	28.8#
125	53.7	5.9	8.9#

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#90

Benzo(a)pyrene

Concen: 9.436 ng

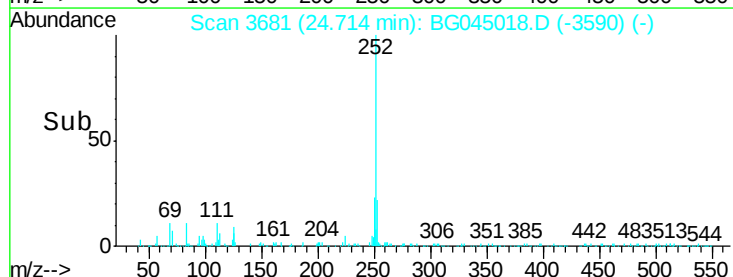
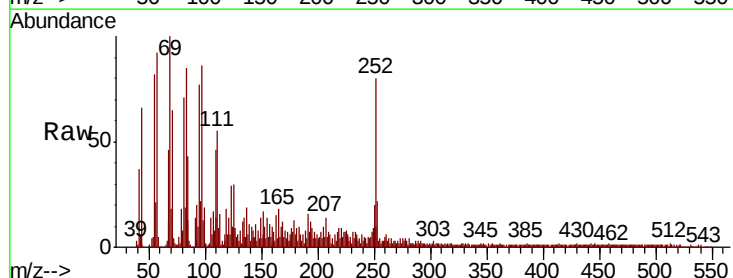
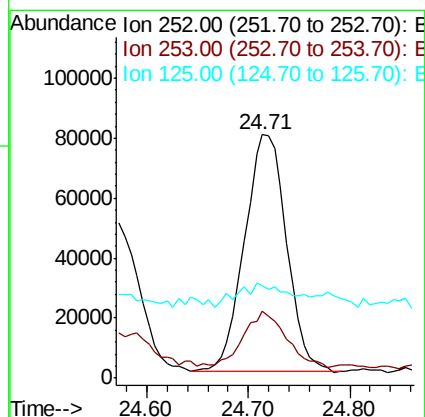
RT: 24.71 min Scan# 3681

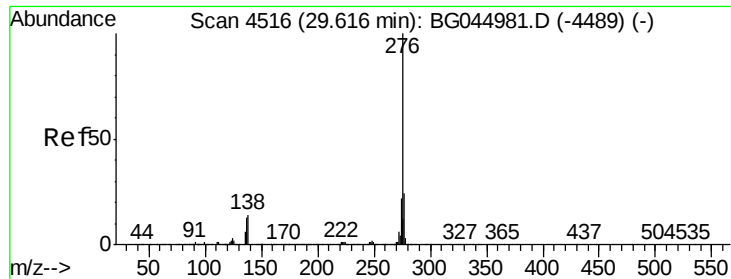
Delta R.T. 0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Tgt Ion:	252	Resp:	226827
Ion Ratio	Lower	Upper	
252	100		
253	27.5	18.3	27.5
125	37.9	7.0	10.6#





#92
 Benzo(a,h,i)perylene
 Concen: 5.235 ng
 RT: 29.62 min Scan# 4517
 Delta R.T. 0.01 min
 Lab File: BG045018.D
 Acq: 16 Apr 2020 22:50

Instrument :
 BNA_G
 ClientSampleId :
 TP-37-38-45-46

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.4	19.3	28.9#
138	23.9	11.4	17.2#

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