

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
 Data File : BG045286.D
 Acq On : 8 May 2020 1:59
 Operator : CG/JU
 Sample : L2530-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-14

Manual Integrations
 APPROVED

mohammad
 5/8/2020 1:00:21 PM

Quant Time: May 08 04:32:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 12:51:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	71829	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	292155	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	207963	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	481005	20.00	ng	0.00
76) Chrysene-d12	21.63	240	447339	20.00	ng	0.00
87) Perylene-d12	24.81	264	489429	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	530410	121.91	ng	0.00
7) Phenol-d6	7.15	99	776698	120.15	ng	0.00
23) Nitrobenzene-d5	9.14	82	537058	83.88	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	398898	124.16	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1233497	86.97	ng	0.00
79) Terphenyl-d14	19.99	244	1896327	92.39	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.07	163	122100	7.211	ng	97
71) Phenanthrene	17.41	178	182115	7.368	ng	95
75) Fluoranthene	19.42	202	304648	5.002	ng	96
78) Pyrene	19.78	202	258586	8.385	ng	99
81) Benzo(a)anthracene	21.62	228	135205	4.663	ng	98
83) Chrysene	21.68	228	137769m	4.945	ng	
86) Indeno(1,2,3-cd)pyrene	28.39	276	89363	2.416	ng	94
88) Benzo(b)fluoranthene	23.80	252	184393	6.015	ng	99
89) Benzo(k)fluoranthene	23.86	252	70473m	2.417	ng	
90) Benzo(a)pyrene	24.65	252	126398m	4.367	ng	
92) Benzo(g,h,i)perylene	29.51	276	84508	2.890	ng	# 96

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

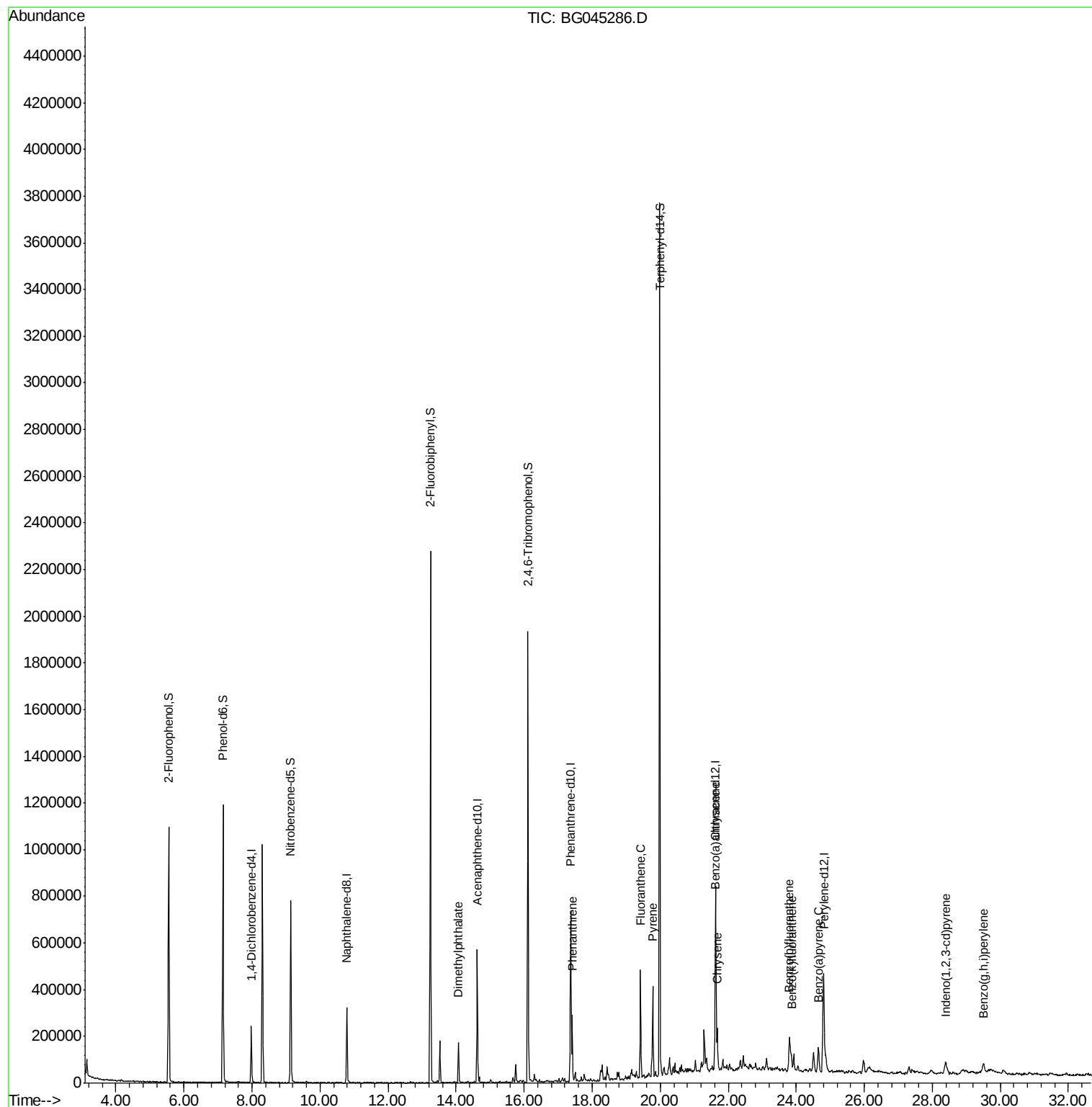
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
Data File : BG045286.D
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QLast Update : Thu May 07 12:51:10 2020
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#1

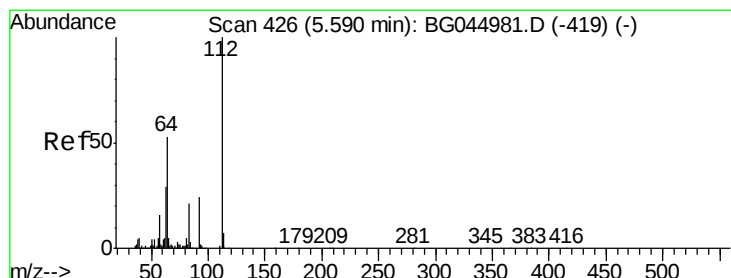
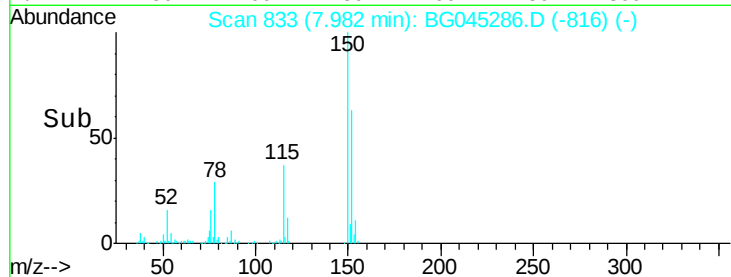
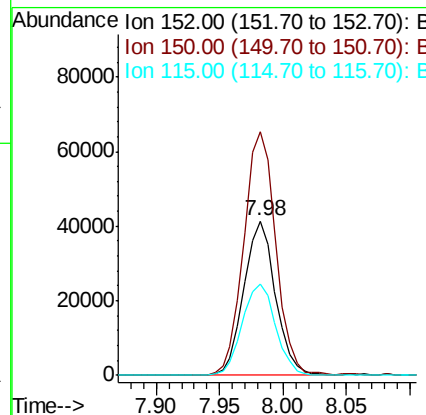
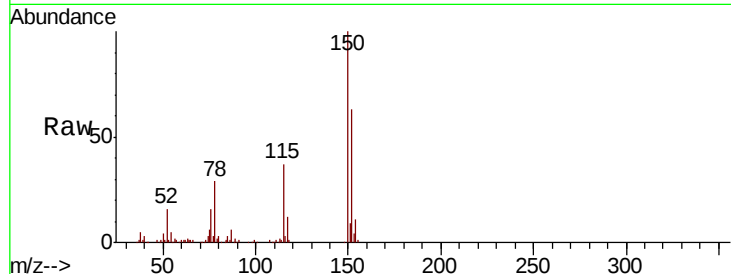
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 833
Delta R.T. -0.00 min
Lab File: BG045286.D
Acq: 8 May 2020 1:59

Instrument :
BNA_G
ClientSampleId :
RO-14

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	123.6	185.4
115	58.7	49.1	73.7

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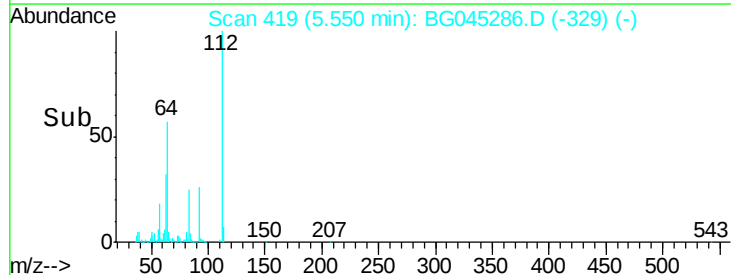
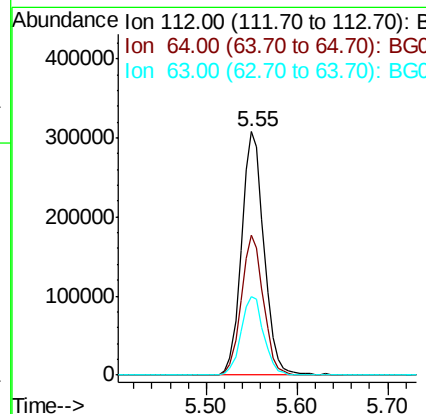
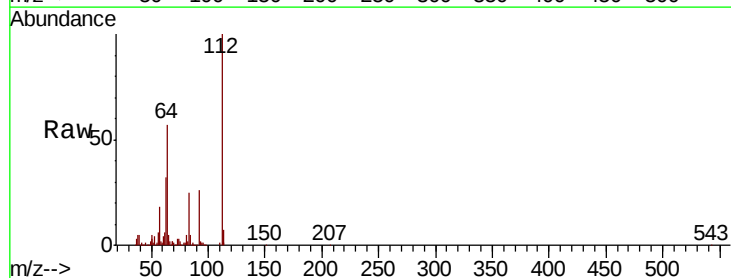
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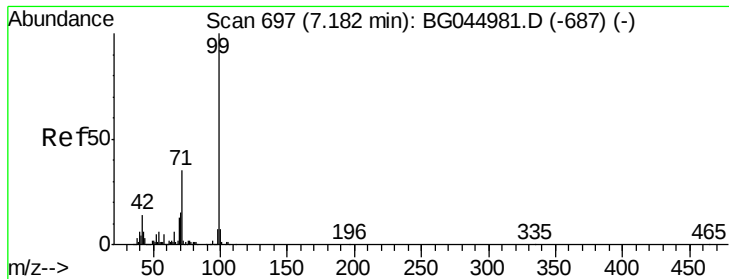


#5

2-Fluorophenol
Concen: 121.912 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.00 min
Lab File: BG045286.D
Acq: 8 May 2020 1:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	42.4	63.6
63	32.3	23.1	34.7





#7

Phenol-d6

Concen: 120.154 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG045286.D

Acq: 8 May 2020 1:59

Instrument :

BNA_G

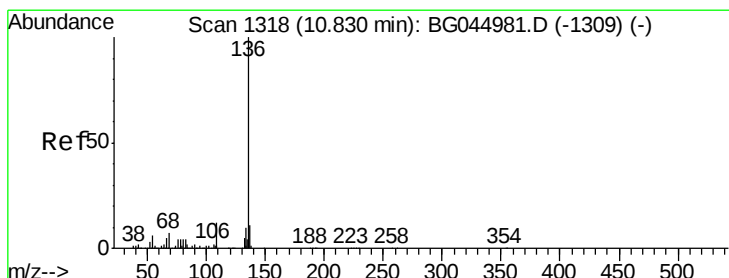
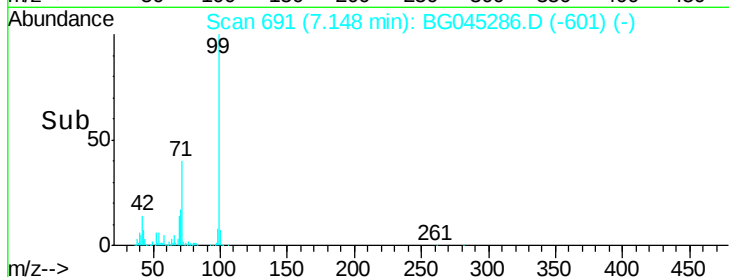
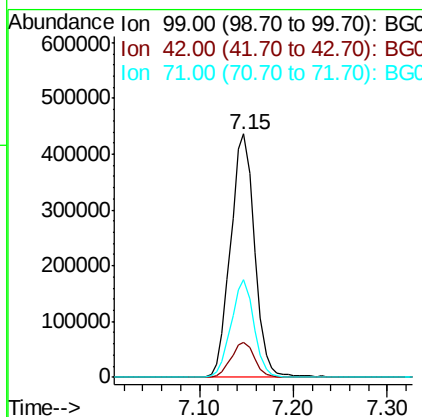
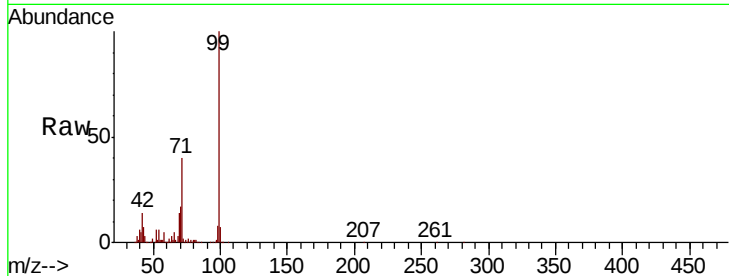
ClientSampled :

RO-14

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		776698		
42	14.3	11.3	16.9		
71	40.0	28.3	42.5		

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#21

Naphthalene-d8

Concen: 20.000 ng

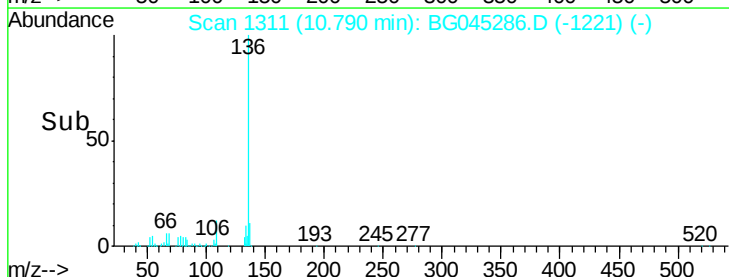
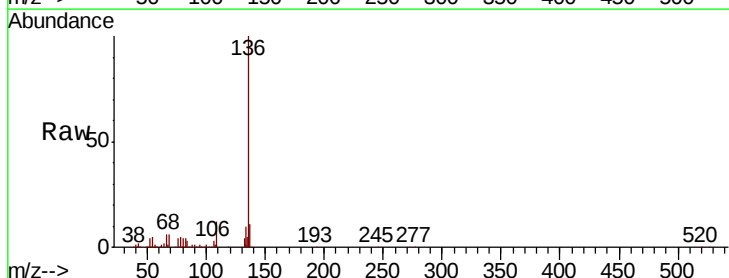
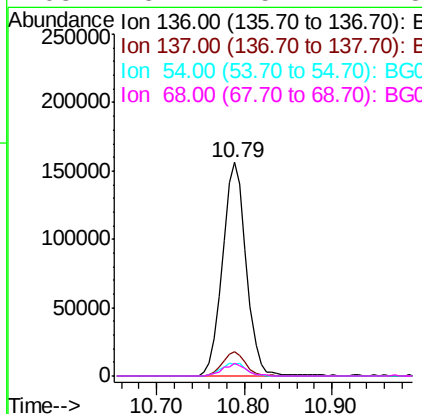
RT: 10.79 min Scan# 1311

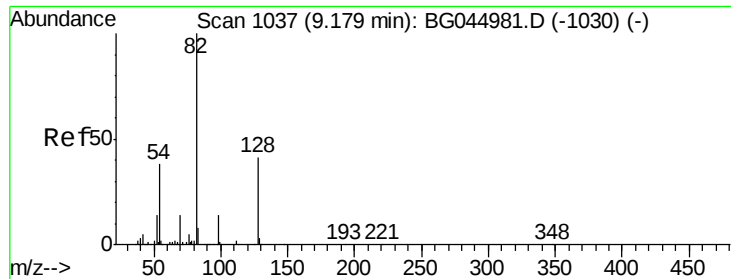
Delta R.T. -0.00 min

Lab File: BG045286.D

Acq: 8 May 2020 1:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		292155		
137	11.4	8.6	13.0		
54	5.2	4.8	7.2		
68	5.7	5.2	7.8		





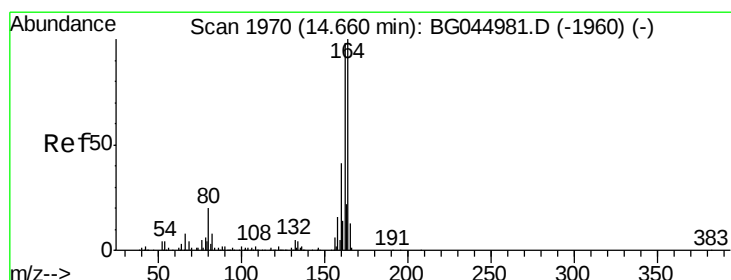
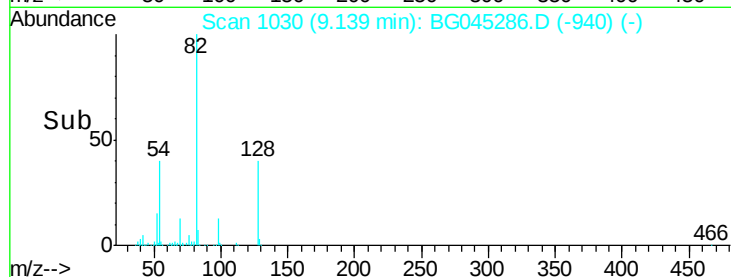
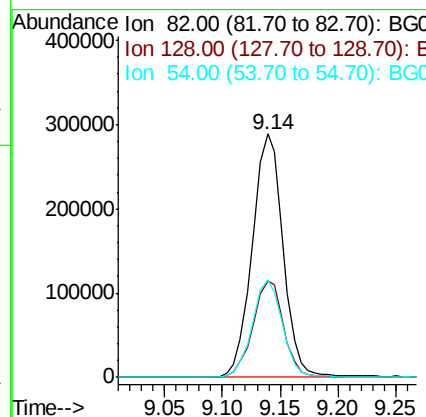
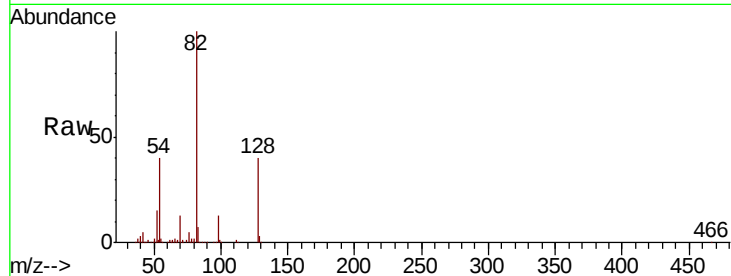
#23
Nitrobenzene-d5
Concen: 83.878 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG045286.D
Acq: 8 May 2020 1:59

Instrument :
BNA_G
ClientSampleId :
RO-14

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.9	33.0	49.4	
54	39.9	30.4	45.6	

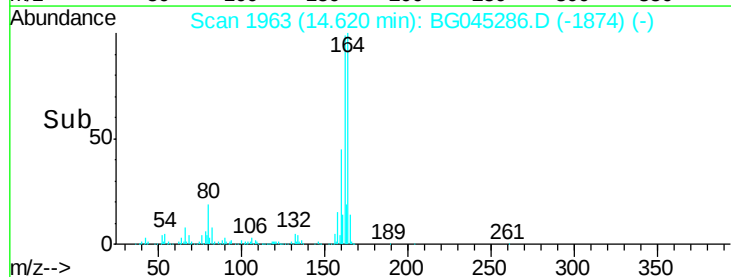
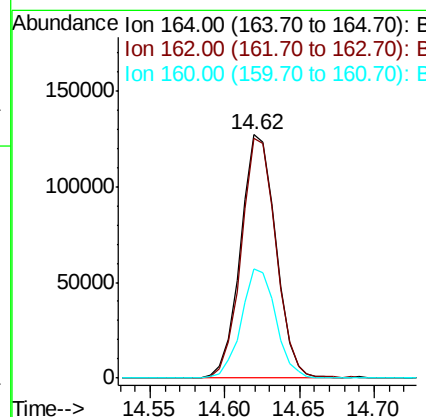
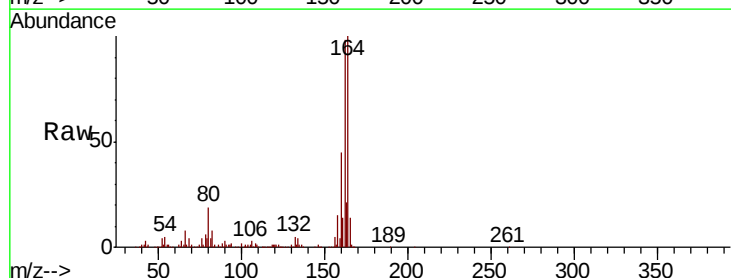
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BG045286.D
Acq: 8 May 2020 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	98.3	78.7	118.1	
160	44.6	32.8	49.2	





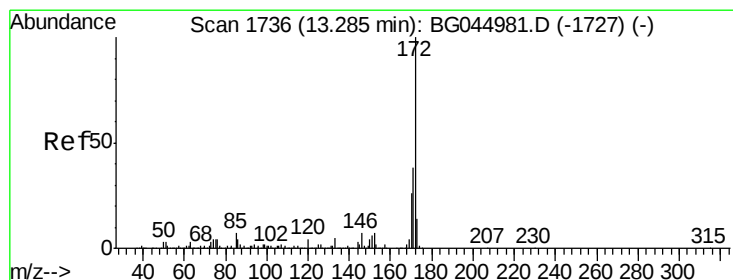
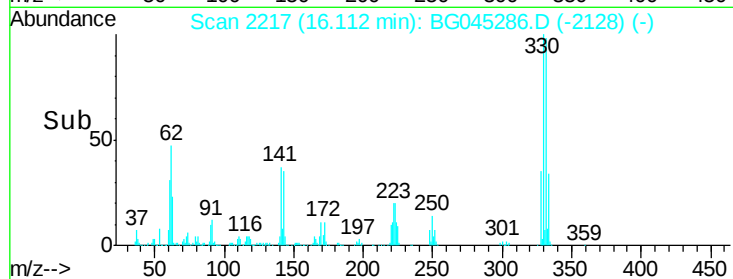
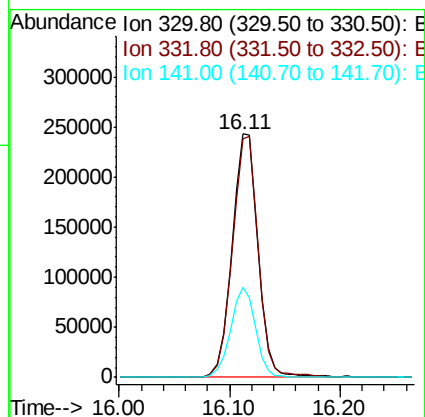
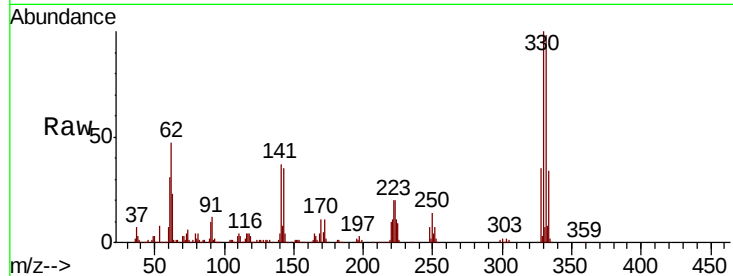
#42
 2,4,6-Tribromophenol
 Concen: 124.161 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BG045286.D
 Acq: 8 May 2020 1:59

Instrument :
 BNA_G
 ClientSampleId :
 RO-14

Tot Ion:	330	Resp:	398898
Ion Ratio		Lower	Upper
330	100		
332	98.4	79.1	118.7
141	36.0	27.1	40.7

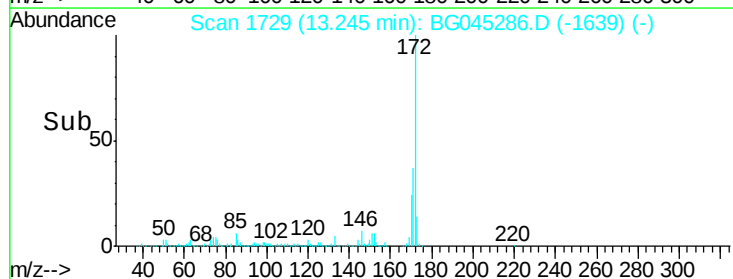
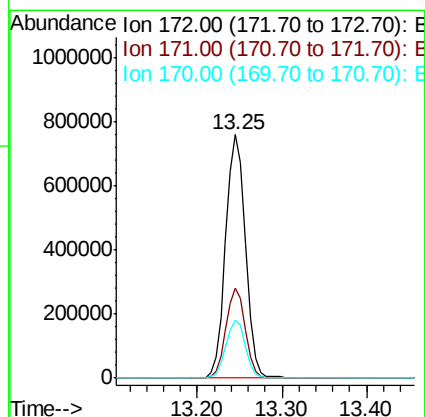
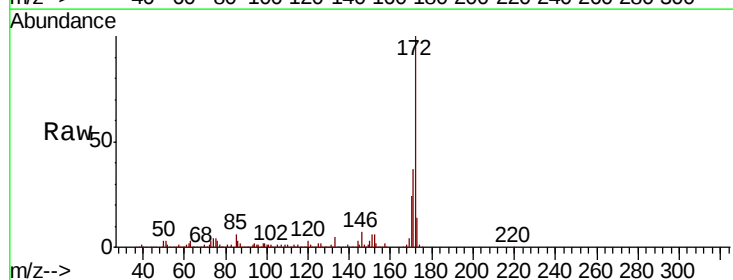
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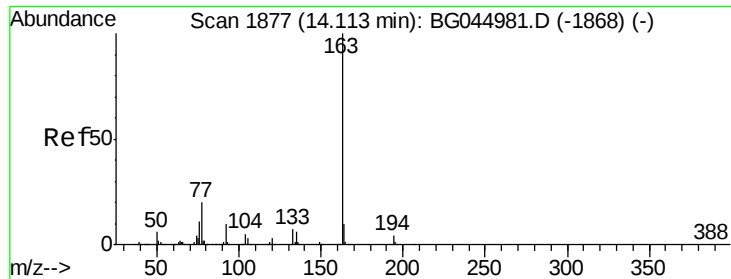
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#45
 2-Fluorobiphenyl
 Concen: 86.972 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG045286.D
 Acq: 8 May 2020 1:59

Tgt Ion:	172	Resp:	1233497
Ion Ratio		Lower	Upper
172	100		
171	36.8	30.6	46.0
170	23.9	20.5	30.7





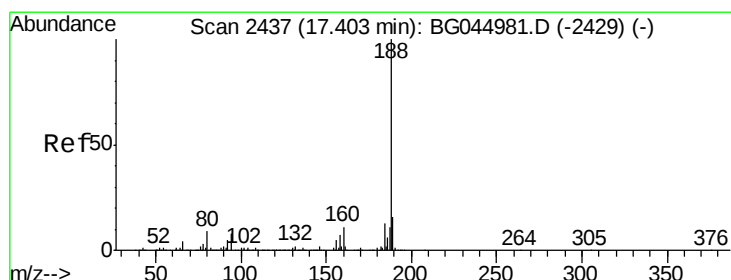
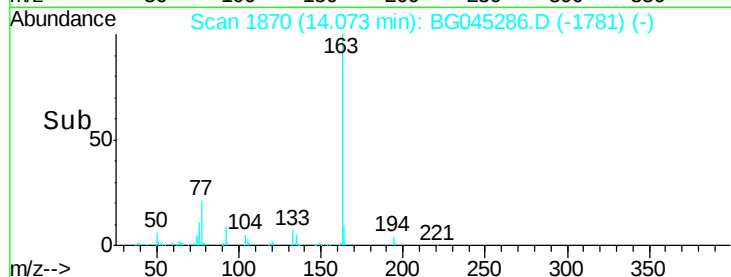
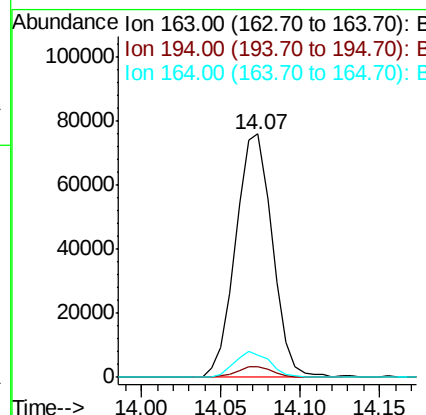
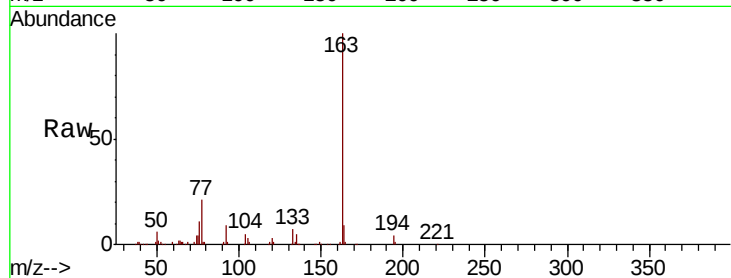
#50
Dimethylphthalate
Concen: 7.211 ng
RT: 14.07 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BG045286.D
Acq: 8 May 2020 1:59

Instrument :
BNA_G
ClientSampled :
RO-14

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.1	3.5	5.3
164	9.0	8.2	12.4

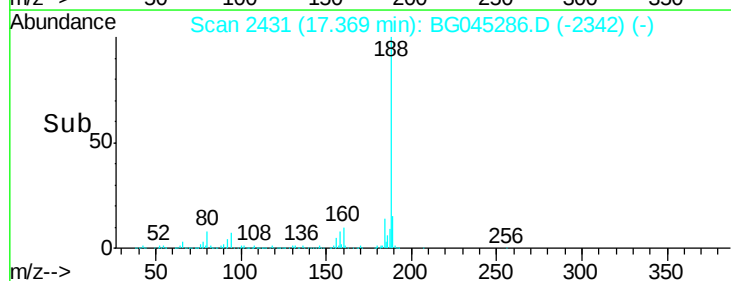
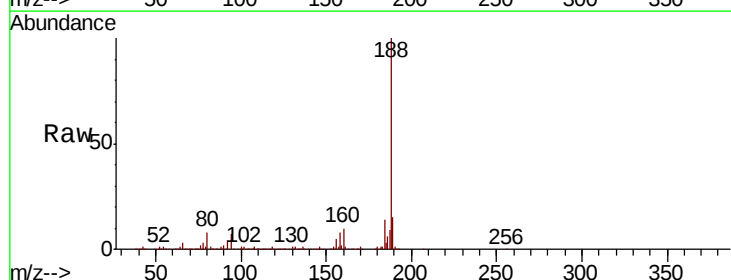
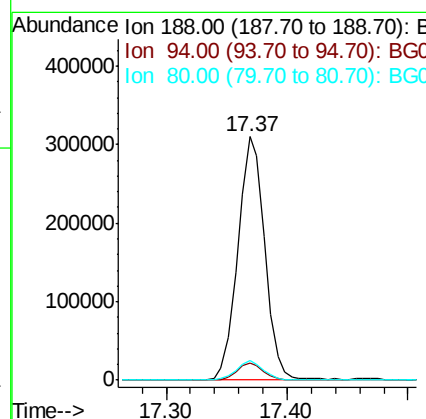
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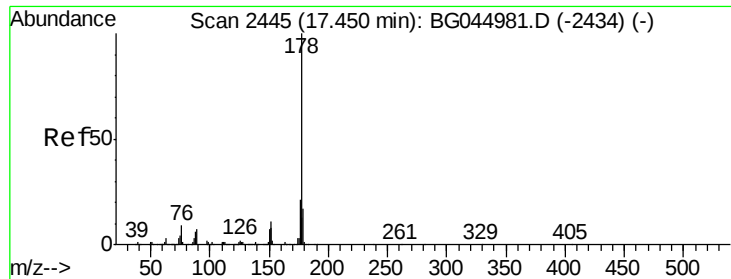
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BG045286.D
Acq: 8 May 2020 1:59

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





#71

Phenanthrene

Concen: 7.368 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG045286.D

Acq: 8 May 2020 1:59

Instrument :

BNA_G

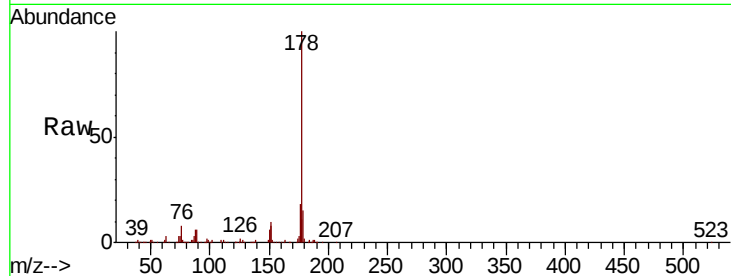
ClientSampleId :

RO-14

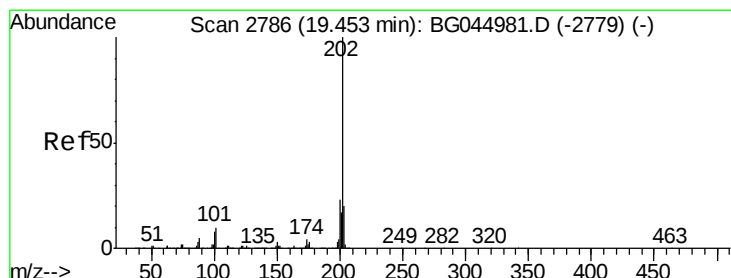
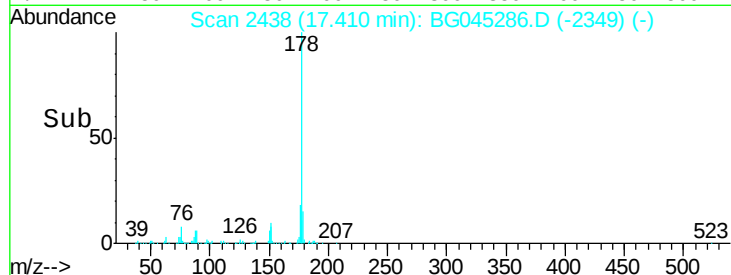
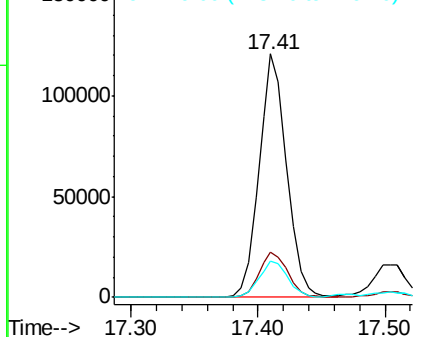
Tot Ion:	178	Resp:	182115
Ion Ratio	Lower	Upper	
178	100		
176	18.4	16.8	25.2
179	14.8	13.2	19.8

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 5.002 ng

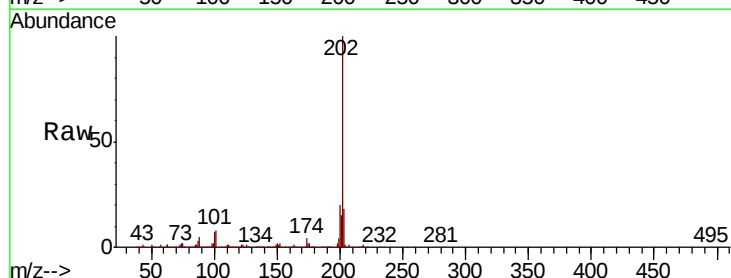
RT: 19.42 min Scan# 2781

Delta R.T. -0.00 min

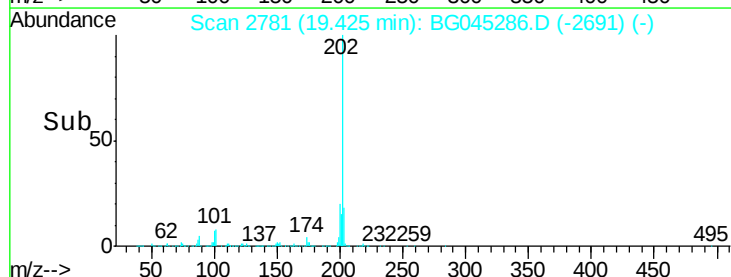
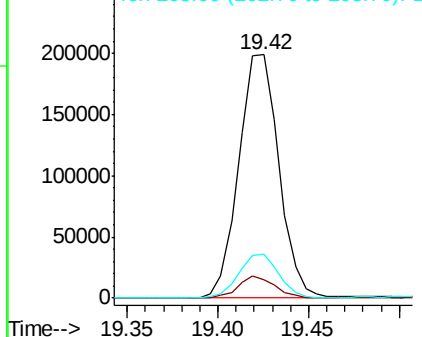
Lab File: BG045286.D

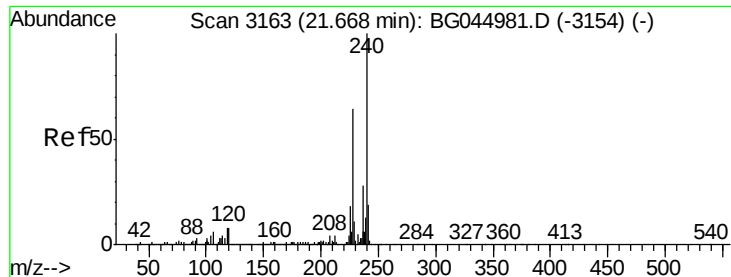
Acq: 8 May 2020 1:59

Tgt Ion:	202	Resp:	304648
Ion Ratio	Lower	Upper	
202	100		
101	7.6	0.0	29.6
203	18.3	0.0	39.7



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BG045286.D

Acq: 8 May 2020 1:59

Instrument :

BNA_G

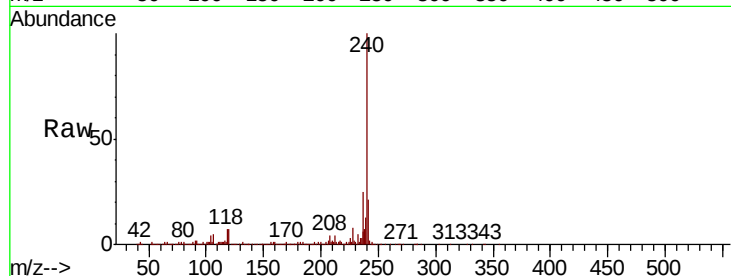
ClientSampled :

RO-14

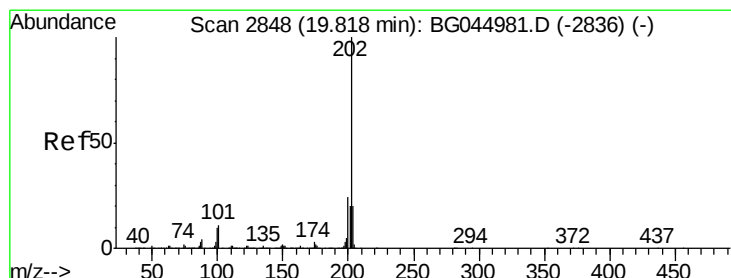
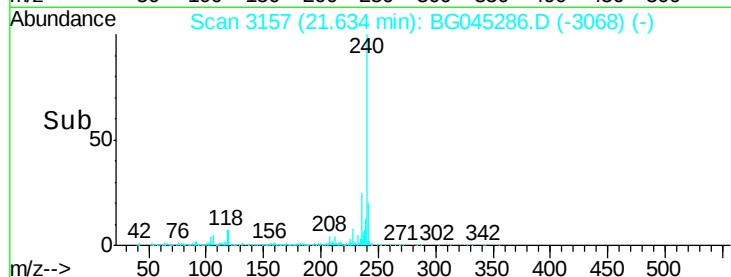
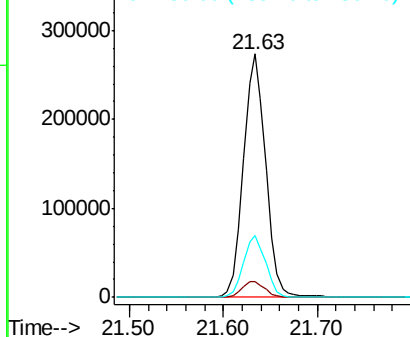
Tot Ion:	240	Resp:	447339
Ion Ratio	Lower	Upper	
240	100		
120	6.7	6.6	10.0
236	25.4	22.2	33.2

Manual Integrations
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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



#78

Pyrene

Concen: 8.385 ng

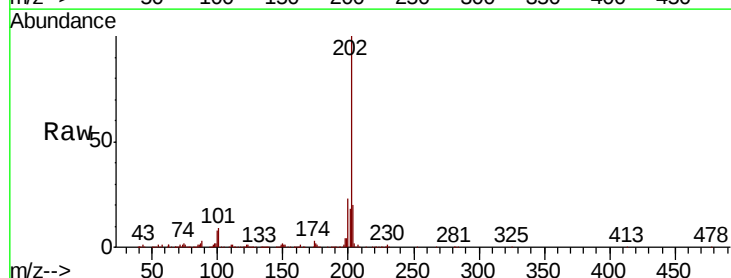
RT: 19.78 min Scan# 2842

Delta R.T. -0.01 min

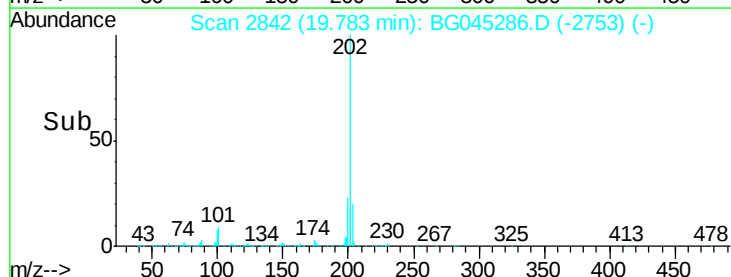
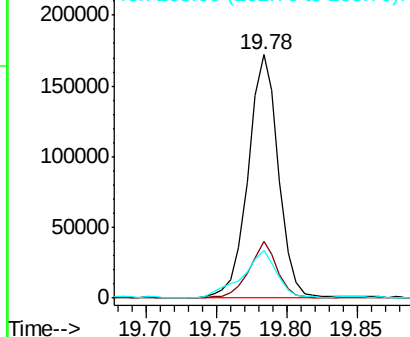
Lab File: BG045286.D

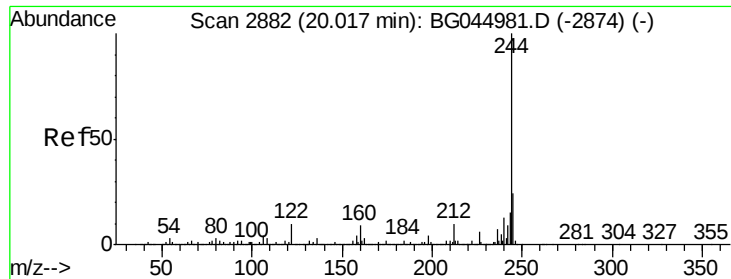
Acq: 8 May 2020 1:59

Tgt Ion:	202	Resp:	258586
Ion Ratio	Lower	Upper	
202	100		
200	23.3	19.0	28.6
203	19.7	16.1	24.1



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





#79

Terphenyl-d14

Concen: 92.395 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045286.D

Acq: 8 May 2020 1:59

Instrument :

BNA_G

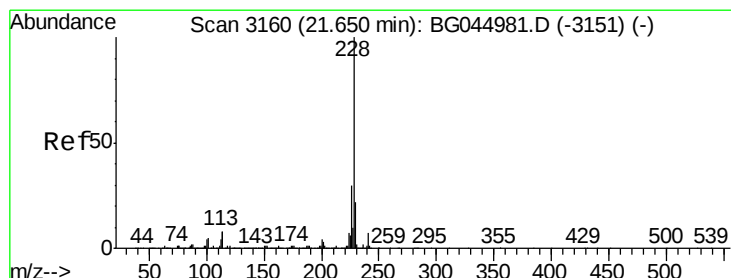
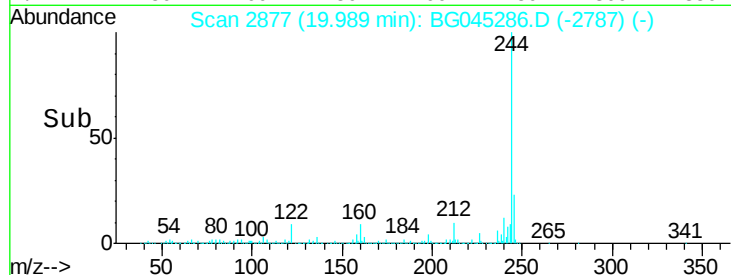
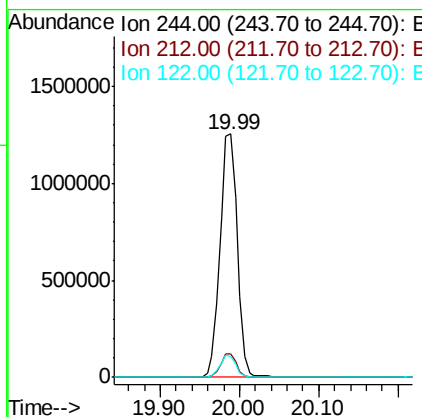
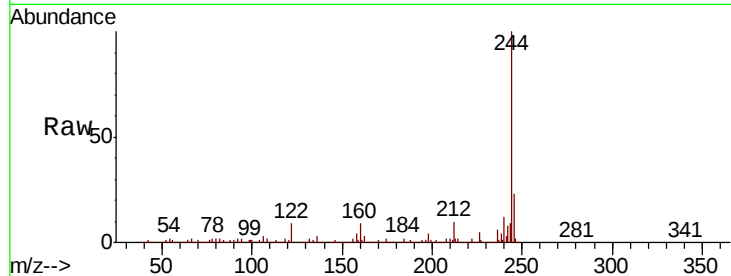
ClientSampleId :

RO-14

Tot Ion:	244	Resp:	1896327
Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.9	11.9
122	8.5	7.7	11.5

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#81

Benzo(a)anthracene

Concen: 4.663 ng

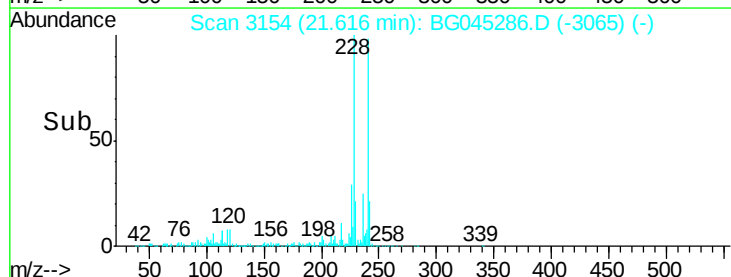
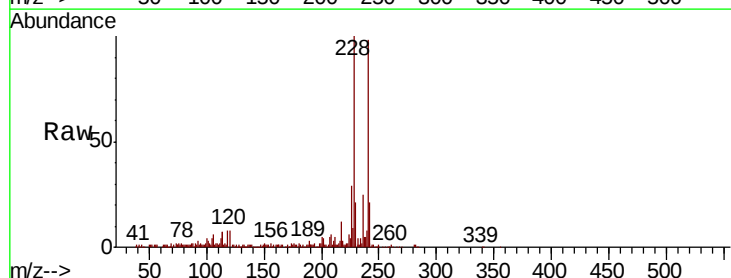
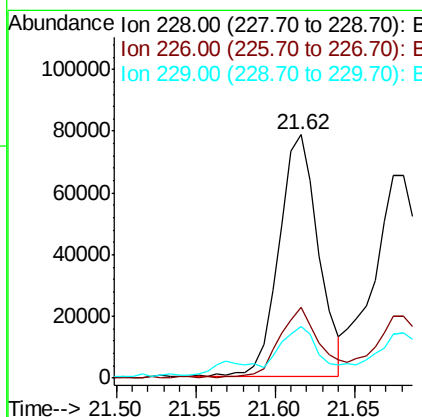
RT: 21.62 min Scan# 3154

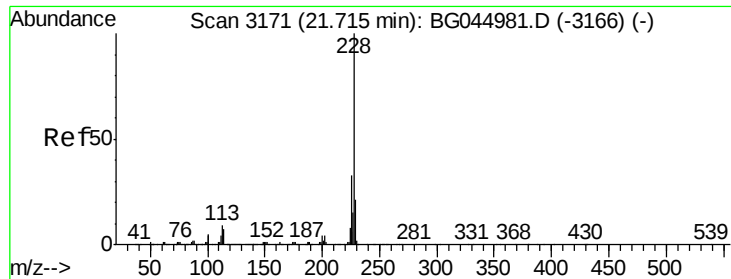
Delta R.T. -0.01 min

Lab File: BG045286.D

Acq: 8 May 2020 1:59

Tgt Ion:	228	Resp:	135205
Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.0	36.0
229	21.0	17.5	26.3





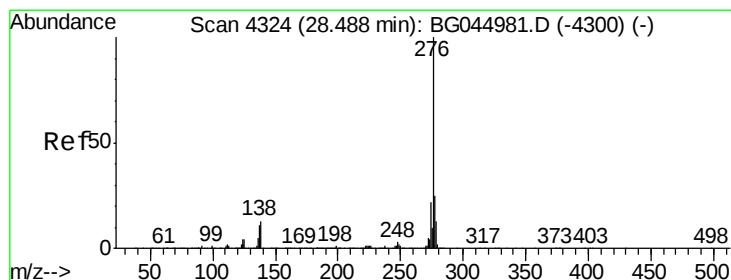
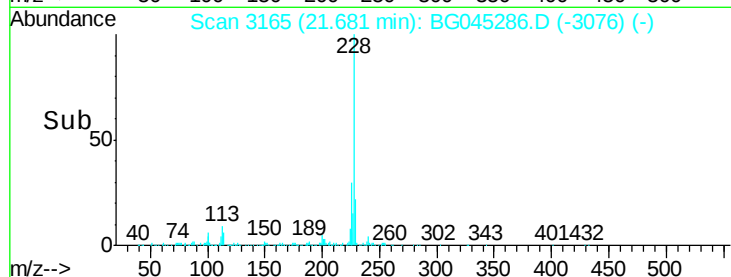
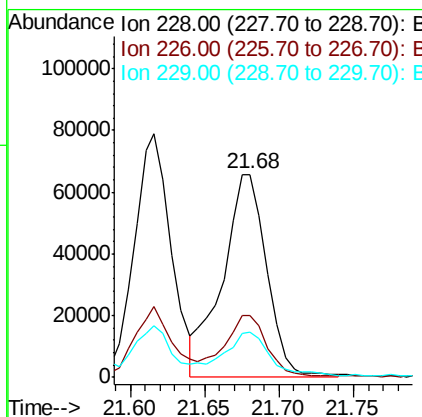
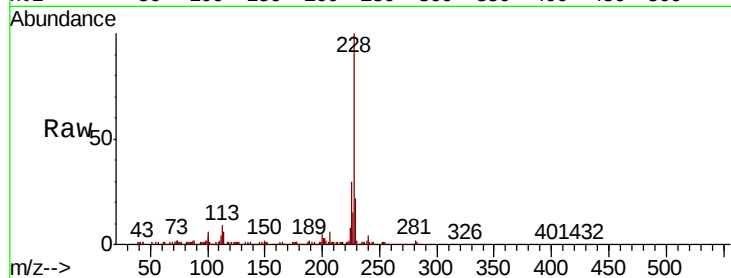
#83
Chrysene
Concen: 4.945 ng/ml
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG045286.D
Acq: 8 May 2020 1:59

Instrument :
BNA_G
Client Sampled :
RO-14

Tot Ion:	228	Resp:	137769
Ion Ratio	Lower	Upper	
228	100		
226	30.4	26.2	39.4
229	22.4	17.0	25.6

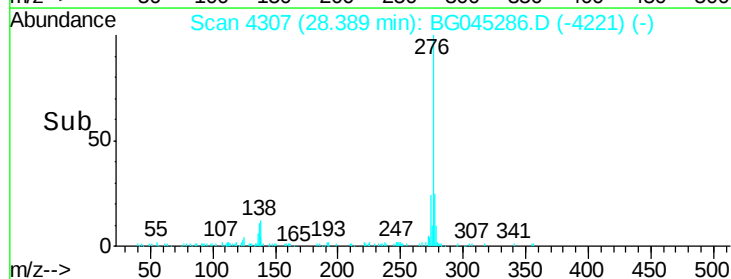
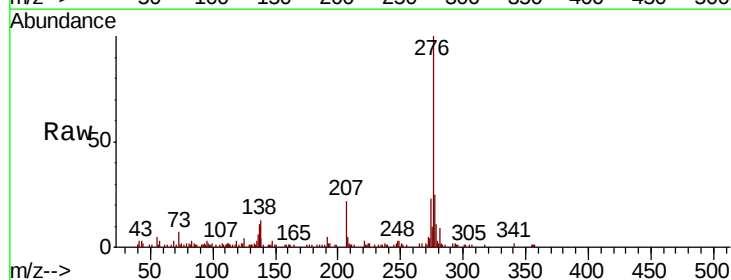
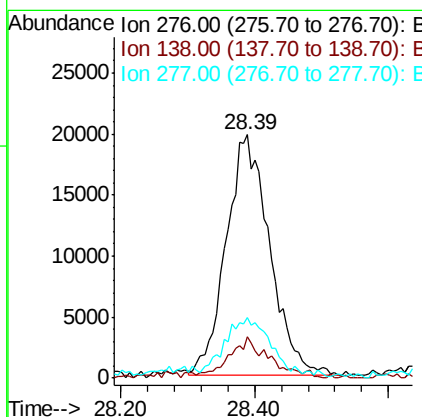
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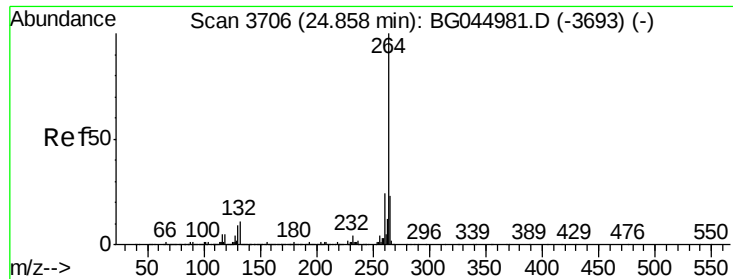
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.416 ng
RT: 28.39 min Scan# 4307
Delta R.T. -0.03 min
Lab File: BG045286.D
Acq: 8 May 2020 1:59

Tgt Ion:	276	Resp:	89363
Ion Ratio	Lower	Upper	
276	100		
138	12.7	9.6	14.4
277	21.8	20.6	31.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.81 min Scan# 3697

Delta R.T. -0.01 min

Lab File: BG045286.D

Acq: 8 May 2020 1:59

Instrument :

BNA_G

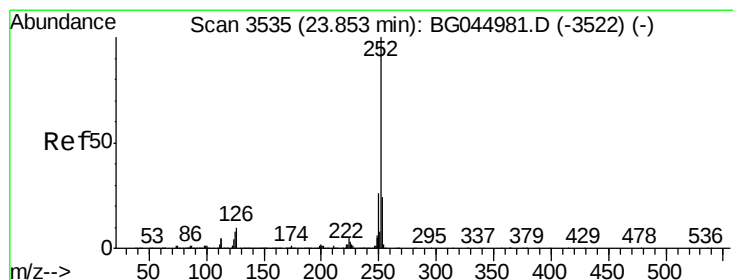
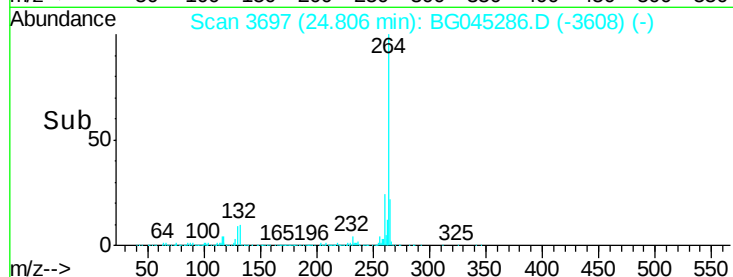
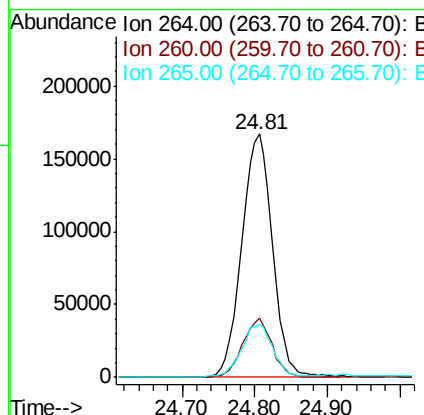
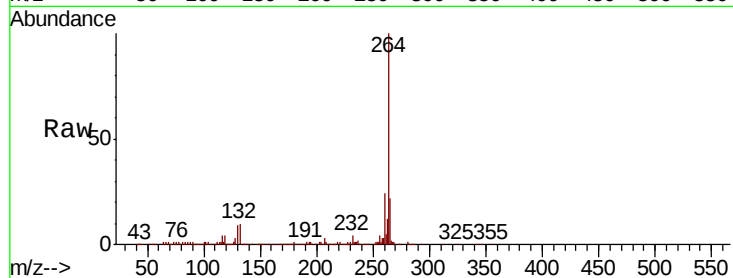
ClientSampleId :

RO-14

Tot Ion:	264	Resp:	489429
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.2	28.8
265	22.0	19.0	28.4

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#88

Benzo(b)fluoranthene

Concen: 6.015 ng

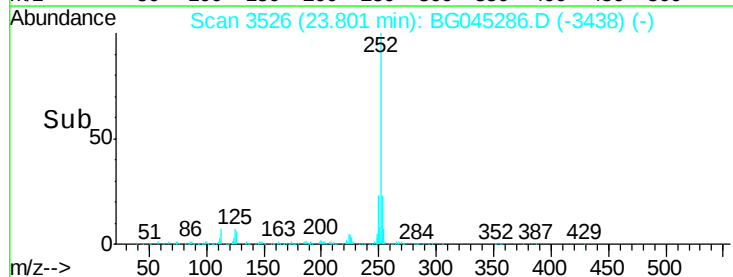
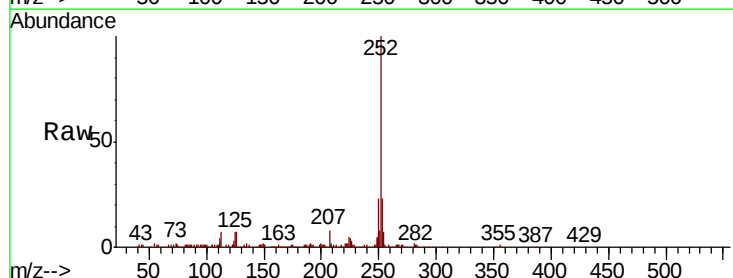
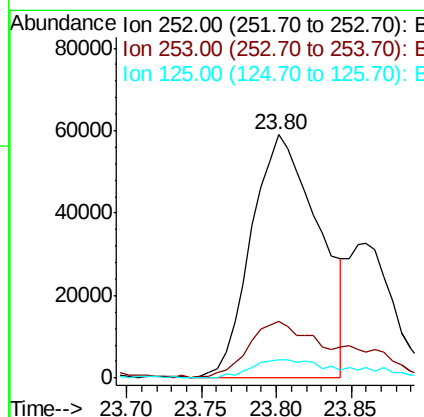
RT: 23.80 min Scan# 3526

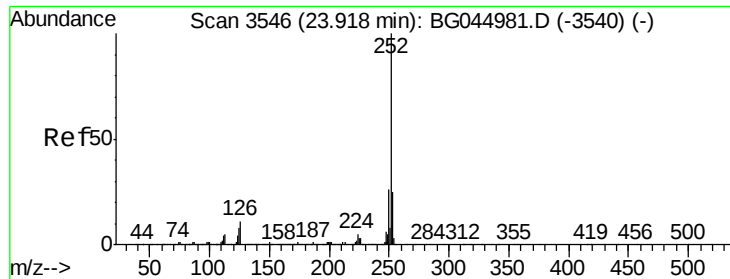
Delta R.T. -0.01 min

Lab File: BG045286.D

Acq: 8 May 2020 1:59

Tgt Ion:	252	Resp:	184393
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.8	28.2
125	7.4	6.2	9.4





#89

Benzo(k)fluoranthene

Concen: 2.417 ng m

RT: 23.86 min Scan# 3536

Delta R.T. -0.02 min

Lab File: BG045286.D

Acq: 8 May 2020 1:59

Instrument :

BNA_G

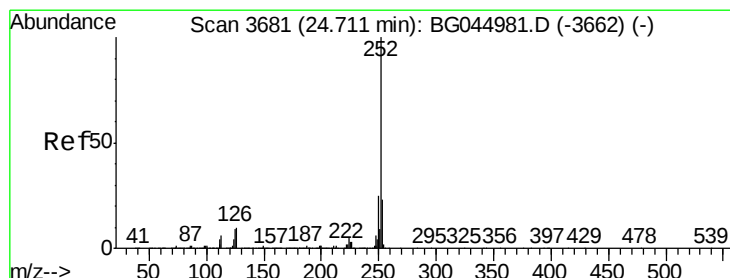
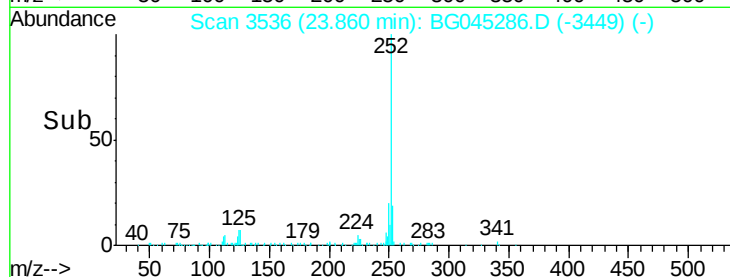
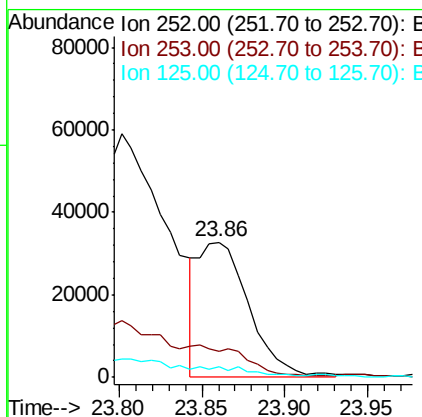
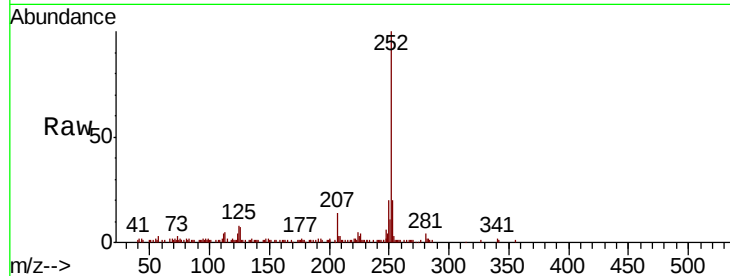
ClientSampled :

RO-14

Tot Ion:	252	Resp:	70473
Ion Ratio	Lower	Upper	
252	100		
253	19.7	19.2	28.8
125	7.7	5.9	8.9

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#90

Benzo(a)pyrene

Concen: 4.367 ng m

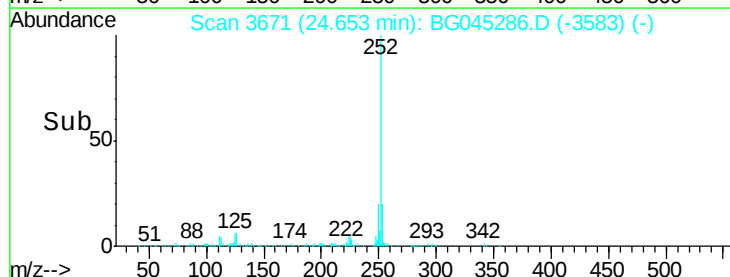
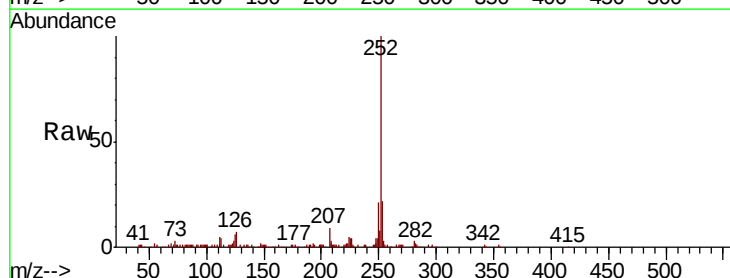
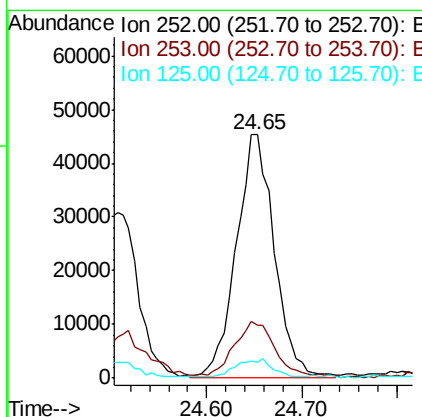
RT: 24.65 min Scan# 3671

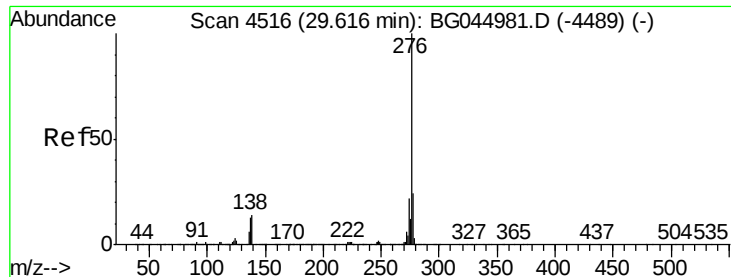
Delta R.T. -0.01 min

Lab File: BG045286.D

Acq: 8 May 2020 1:59

Tgt Ion:	252	Resp:	126398
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.3	27.5
125	6.2	7.0	10.6#





#92
 Benzo(a,h,i)perylene
 Concen: 2.890 ng
 RT: 29.51 min Scan# 4497
 Delta R.T. -0.04 min
 Lab File: BG045286.D
 Acq: 8 May 2020 1:59

Instrument :
 BNA_G
 ClientSampleId :
 RO-14

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.3	28.9
138	10.7	11.4	17.2#

Manual Integrations
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