

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG042320\
 Data File : BG045148.D
 Acq On : 23 Apr 2020 19:09
 Operator : CG/JU
 Sample : L2351-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-17A

Manual Integrations
 APPROVED

mohammad
 4/24/2020 1:35:05 PM

Quant Time: Apr 24 03:17:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:58:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	107409	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	430631	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	288336	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	546878	20.00	ng	0.00
76) Chrysene-d12	21.66	240	486041	20.00	ng	0.00
87) Perylene-d12	24.84	264	541660	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	547052	84.09	ng	0.00
7) Phenol-d6	7.18	99	876470	90.67	ng	0.00
23) Nitrobenzene-d5	9.17	82	606117	64.22	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	325879	73.16	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	1370084	69.67	ng	0.00
79) Terphenyl-d14	20.01	244	1673602	75.05	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	12.69	142	53112	3.08	ng	99
49) Acenaphthylene	14.37	152	168047	6.16	ng	97
50) Dimethylphthalate	14.09	163	213559	9.10	ng	99
52) Acenaphthene	14.71	154	95290	5.16	ng	92
55) Dibenzofuran	15.04	168	145570	5.41	ng	# 96
58) Fluorene	15.69	166	153810	7.00	ng	97
71) Phenanthrene	17.43	178	966811	34.40	ng	99
72) Anthracene	17.52	178	352525	12.51	ng	97
73) Carbazole	17.79	167	81279	2.84	ng	97
75) Fluoranthene	19.44	202	954963	26.35	ng	98
78) Pyrene	19.80	202	955178	28.51	ng	98
81) Benzo(a)anthracene	21.64	228	537230	17.05	ng	95
83) Chrysene	21.70	228	512977	16.95	ng	98
86) Indeno(1,2,3-cd)pyrene	28.46	276	444225	11.05	ng	99
88) Benzo(b)fluoranthene	23.84	252	765826	22.57	ng	99
89) Benzo(k)fluoranthene	23.89	252	308684m	9.57	ng	
90) Benzo(a)pyrene	24.69	252	680432	21.24	ng	98
91) Dibenzo(a,h)anthracene	28.51	278	115261	3.57	ng	# 87
92) Benzo(g,h,i)perylene	29.59	276	394119	12.18	ng	97

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

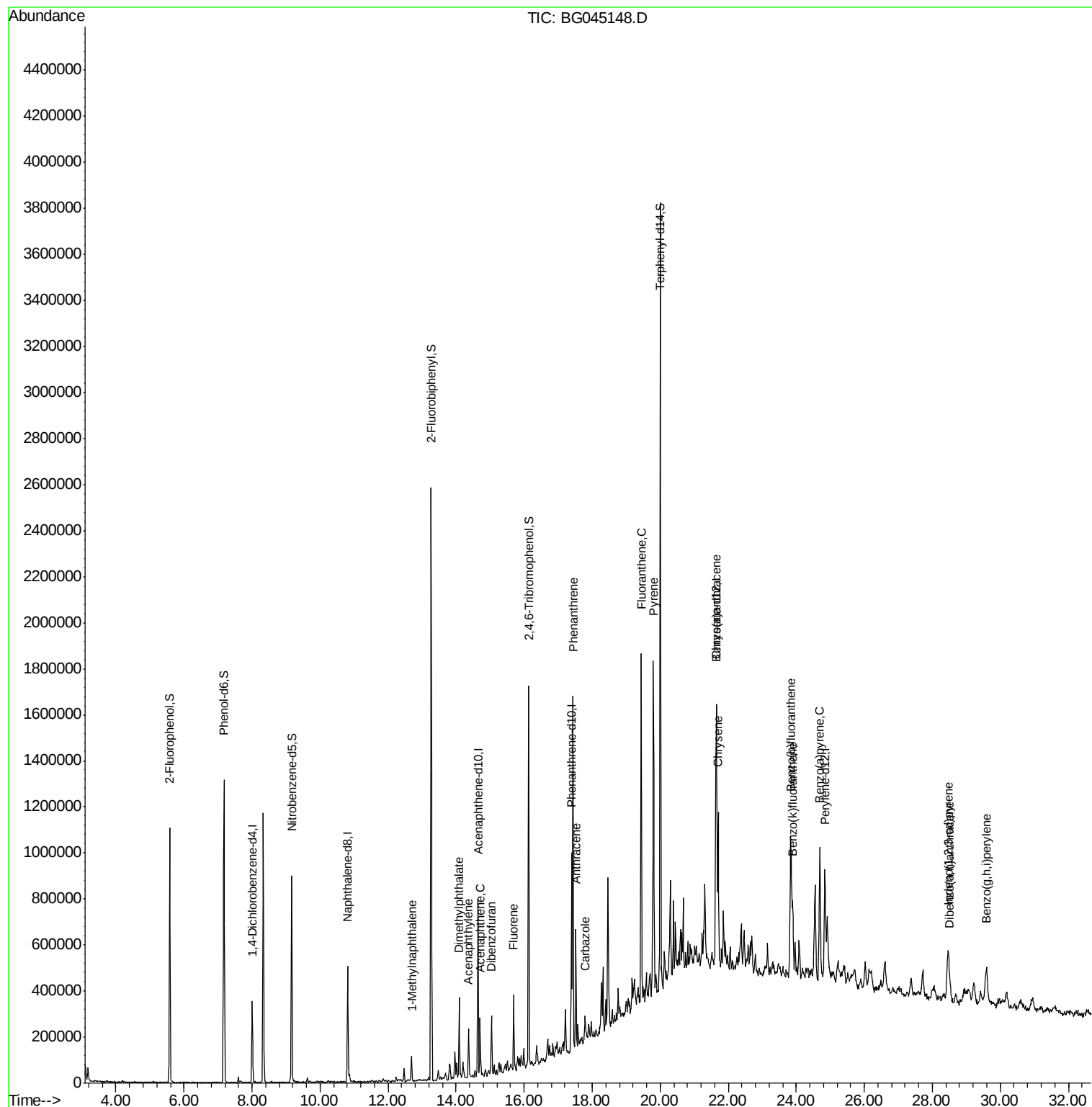
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG042320\
Data File : BG045148.D
Acq On : 23 Apr 2020 19:09
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QLast Update : Thu Apr 23 13:58:55 2020
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#1

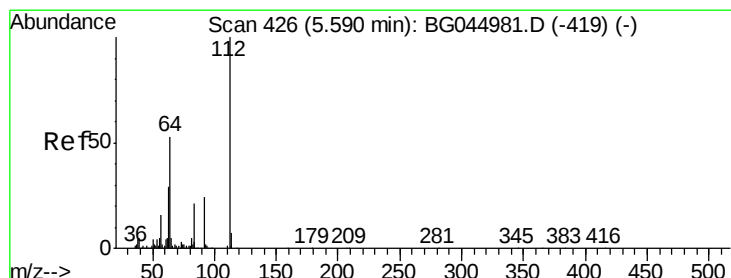
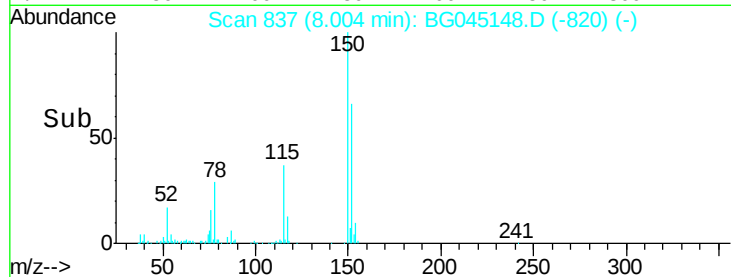
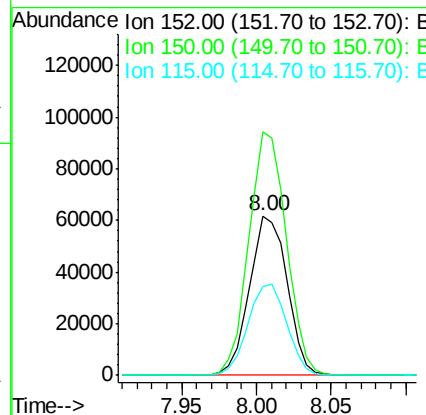
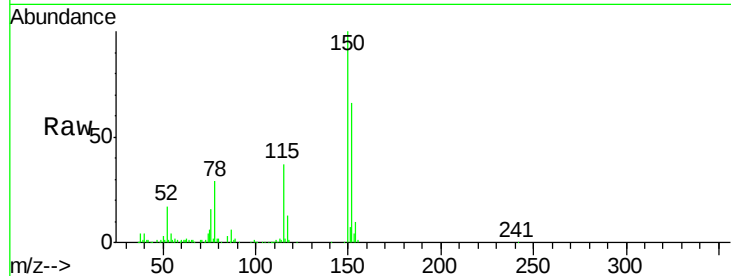
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG045148.D
Acq: 23 Apr 2020 19:09

Instrument :
BNA_G
ClientSampleId :
TP-17A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.6	123.6	185.4
115	55.7	49.1	73.7

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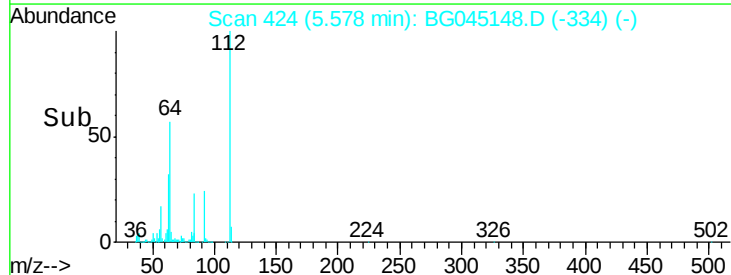
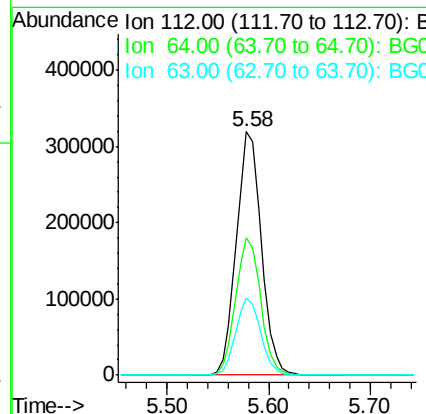
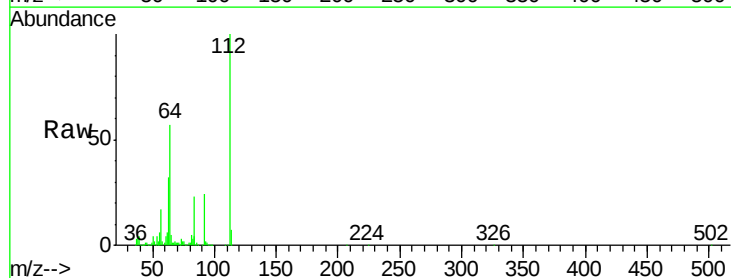
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#5

2-Fluorophenol
Concen: 84.09 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG045148.D
Acq: 23 Apr 2020 19:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	42.4	63.6
63	31.5	23.1	34.7





#7

Phenol-d6

Concen: 90.67 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG045148.D

Acq: 23 Apr 2020 19:09

Instrument :

BNA_G

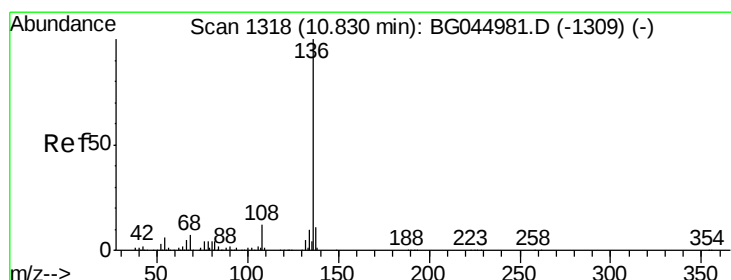
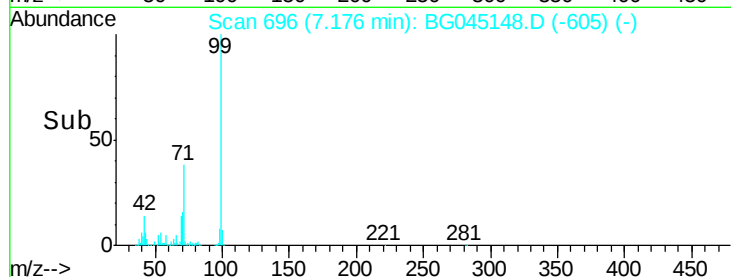
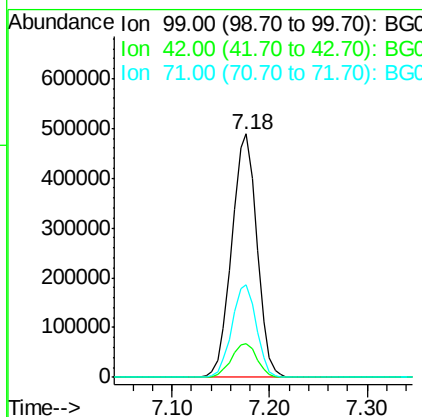
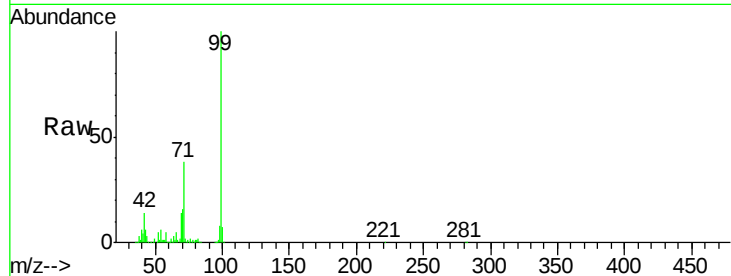
ClientSampleId :

TP-17A

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		876470		
42	13.6	11.3	16.9		
71	37.8	28.3	42.5		

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#21

Naphthalene-d8

Concen: 20.00 ng

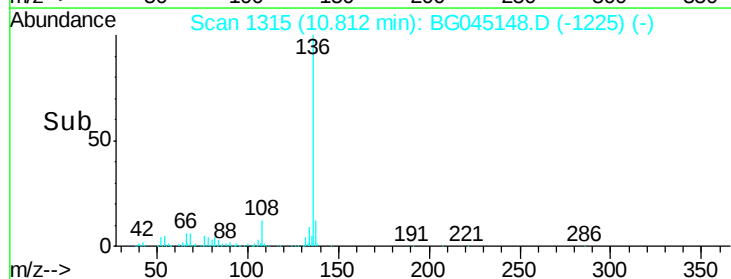
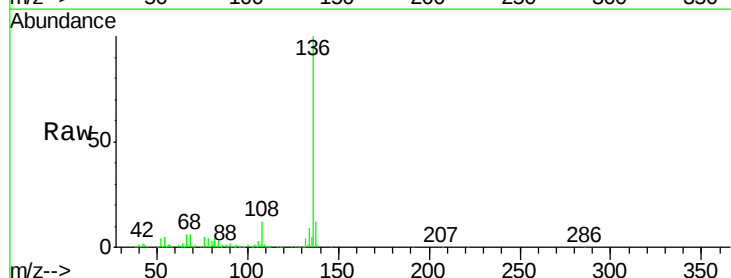
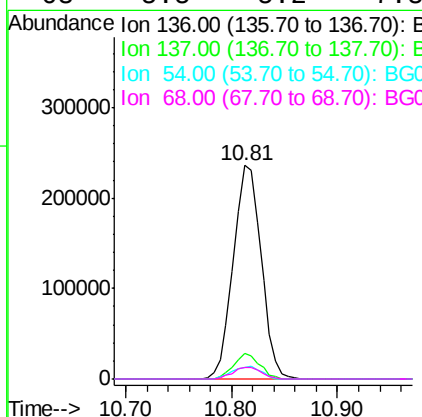
RT: 10.81 min Scan# 1315

Delta R.T. -0.00 min

Lab File: BG045148.D

Acq: 23 Apr 2020 19:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		430631		
137	12.0	8.6	13.0		
54	5.4	4.8	7.2		
68	5.5	5.2	7.8		





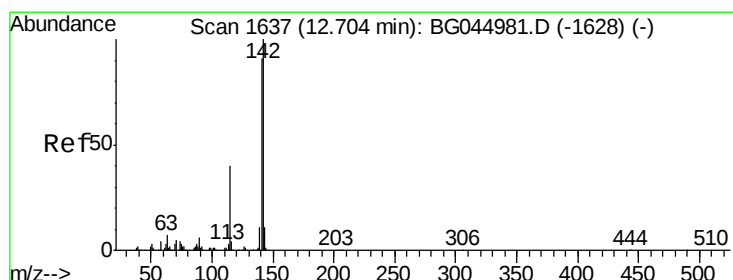
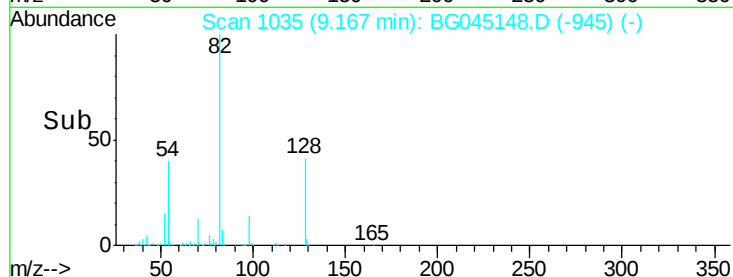
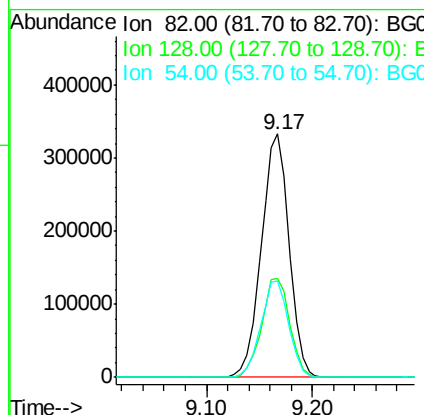
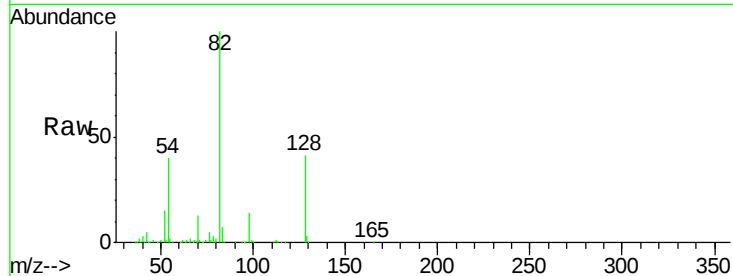
#23
 Nitrobenzene-d5
 Concen: 64.22 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BG045148.D
 Acq: 23 Apr 2020 19:09

Instrument :
 BNA_G
 ClientSampleId :
 TP-17A

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	40.7	33.0	49.4
54	39.5	30.4	45.6

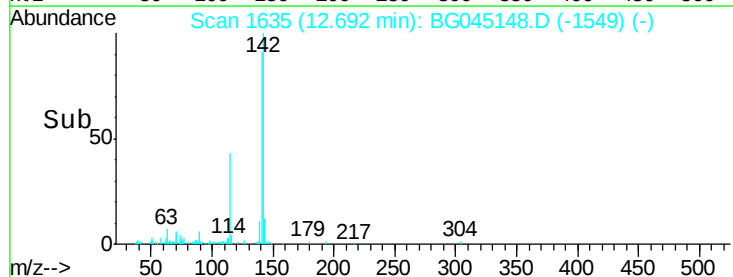
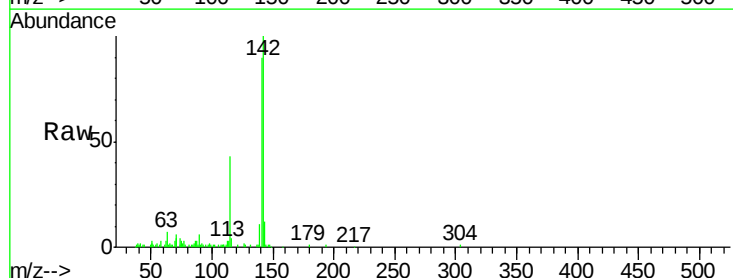
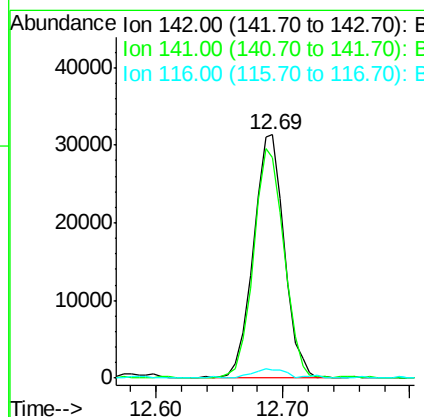
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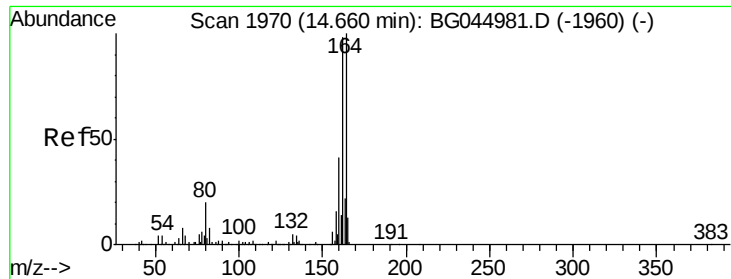
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#38
 1-Methylnaphthalene
 Concen: 3.08 ng
 RT: 12.69 min Scan# 1635
 Delta R.T. 0.01 min
 Lab File: BG045148.D
 Acq: 23 Apr 2020 19:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	90.4	72.7	109.1
116	3.5	3.1	4.7





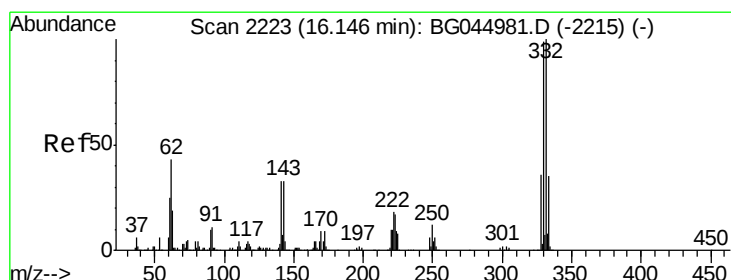
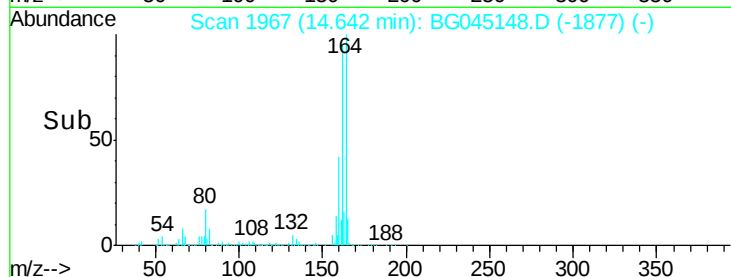
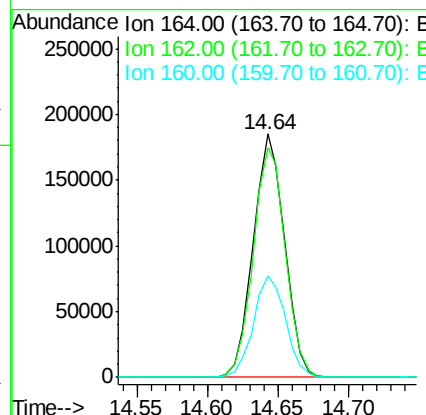
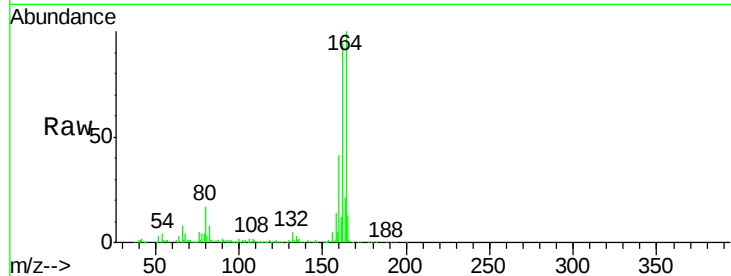
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.64 min Scan# 1967
Delta R.T. -0.00 min
Lab File: BG045148.D
Acq: 23 Apr 2020 19:09

Instrument :
BNA_G
ClientSampled :
TP-17A

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	288336		
162	94.4	78.7	118.1	
160	41.5	32.8	49.2	

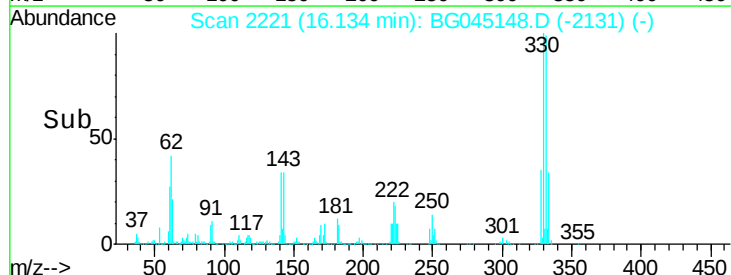
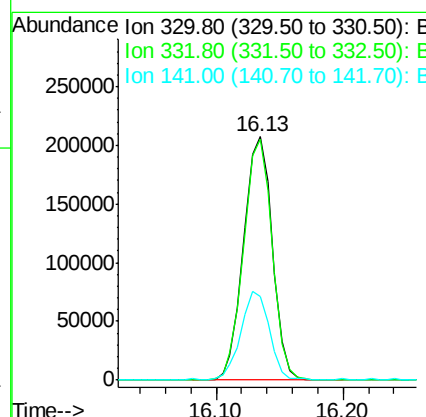
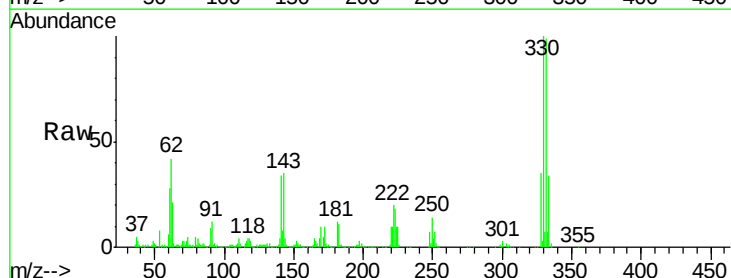
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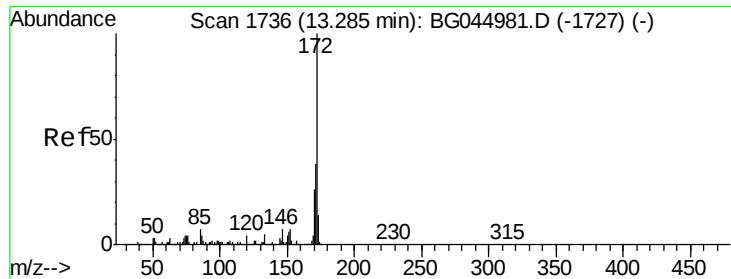
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#42
2,4,6-Tribromophenol
Concen: 73.16 ng
RT: 16.13 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BG045148.D
Acq: 23 Apr 2020 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	325879		
332	98.5	79.1	118.7	
141	35.8	27.1	40.7	





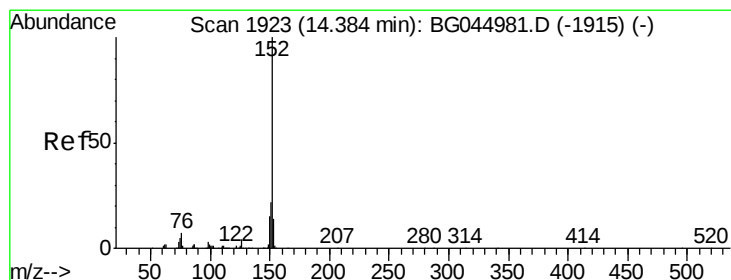
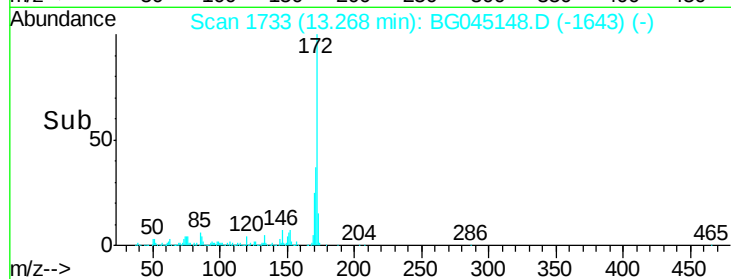
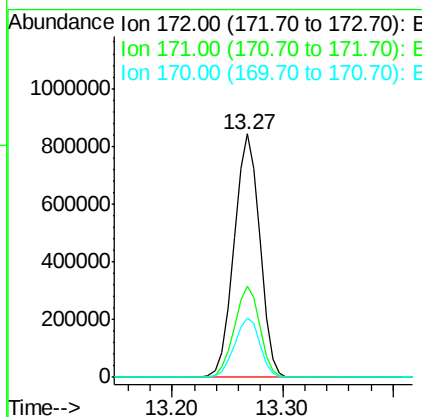
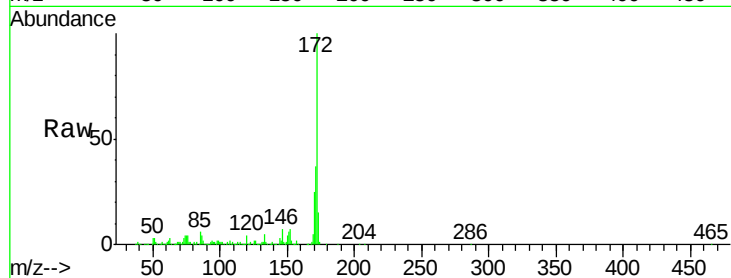
#45
2-Fluorobiphenyl
Concen: 69.67 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.00 min
Lab File: BG045148.D
Acq: 23 Apr 2020 19:09

Instrument :
BNA_G
ClientSampleId :
TP-17A

Tgt Ion:172 Resp: 1370084
Ion Ratio Lower Upper
172 100
171 37.4 30.6 46.0
170 24.6 20.5 30.7

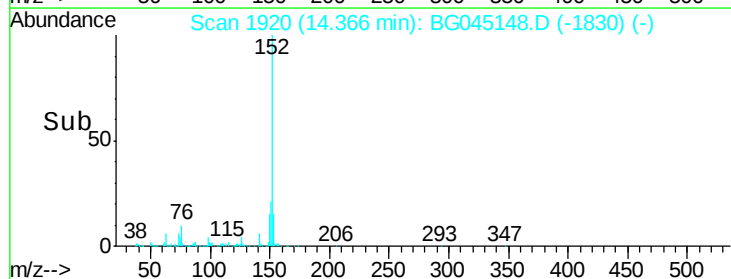
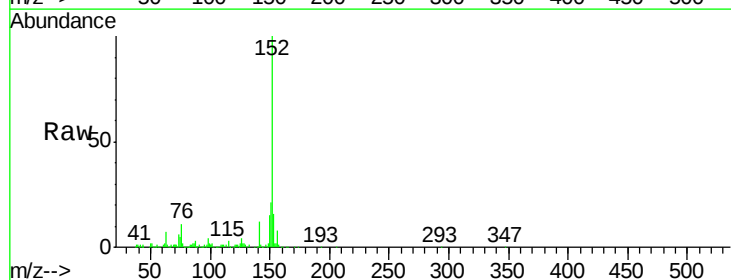
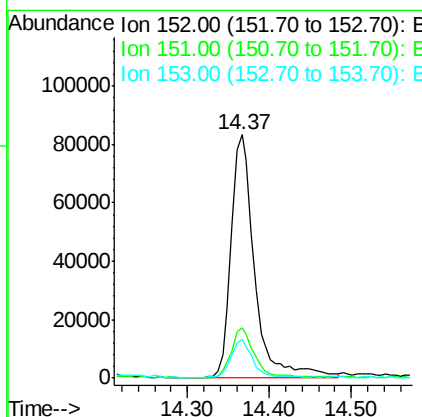
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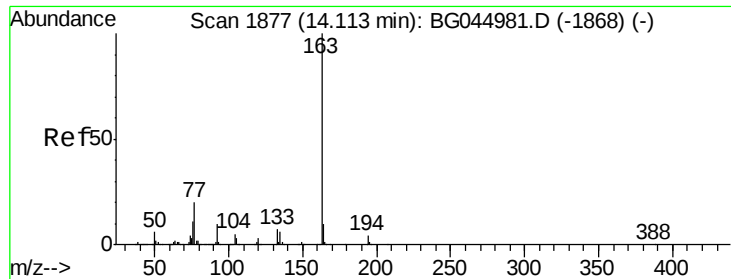
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#49
Acenaphthylene
Concen: 6.16 ng
RT: 14.37 min Scan# 1920
Delta R.T. -0.00 min
Lab File: BG045148.D
Acq: 23 Apr 2020 19:09

Tgt Ion:152 Resp: 168047
Ion Ratio Lower Upper
152 100
151 20.9 17.2 25.8
153 15.7 11.0 16.4





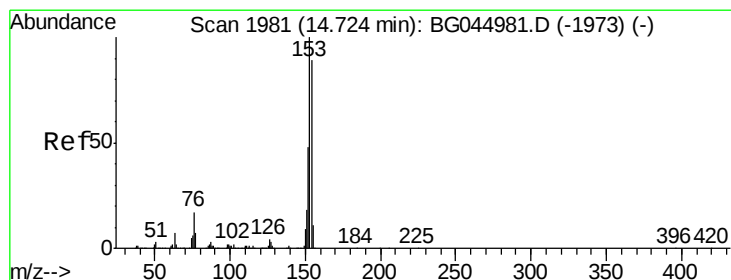
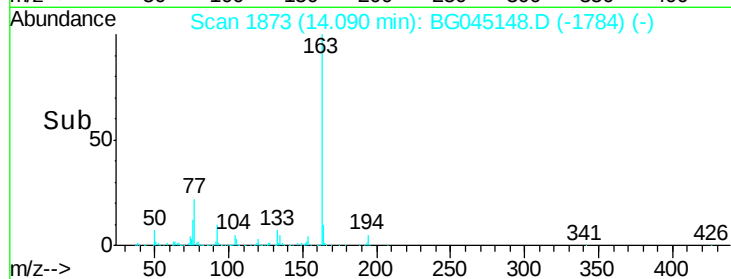
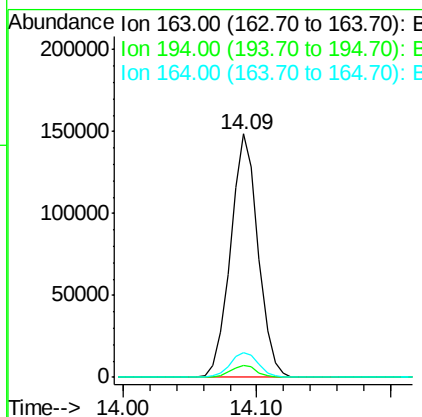
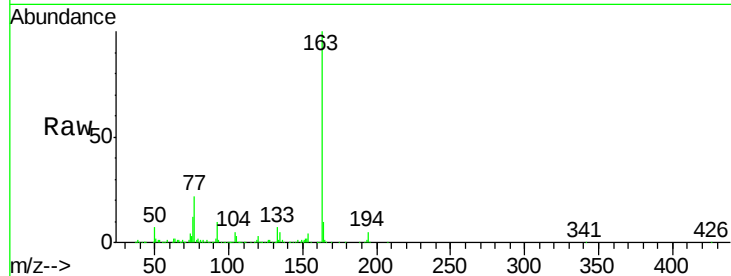
#50
Dimethylphthalate
Concen: 9.10 ng
RT: 14.09 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BG045148.D
Acq: 23 Apr 2020 19:09

Instrument :
BNA_G
ClientSampleId :
TP-17A

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	213559		
194	5.0	3.5	5.3	
164	10.4	8.2	12.4	

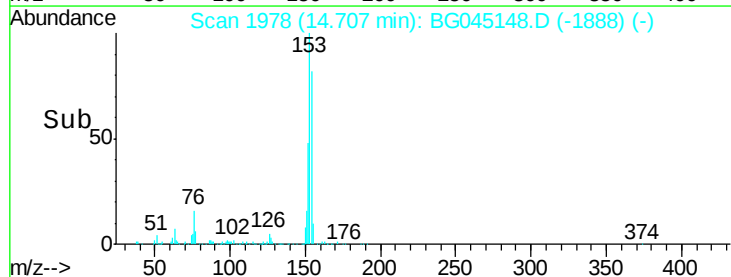
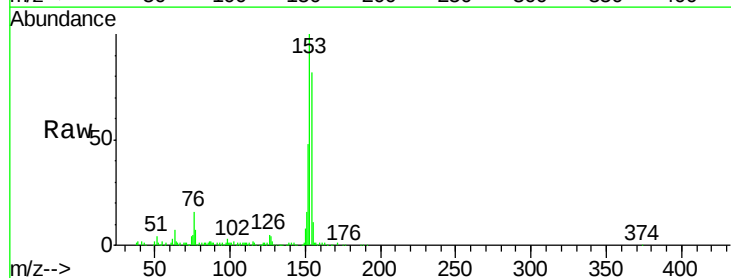
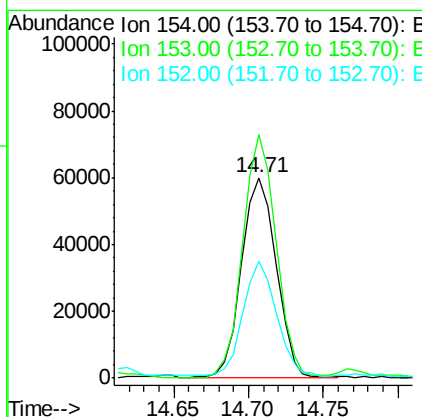
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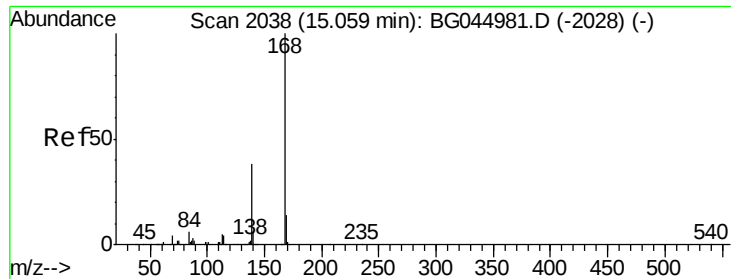
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#52
Acenaphthene
Concen: 5.16 ng
RT: 14.71 min Scan# 1978
Delta R.T. -0.00 min
Lab File: BG045148.D
Acq: 23 Apr 2020 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	95290		
153	121.4	89.7	134.5	
152	58.1	43.1	64.7	





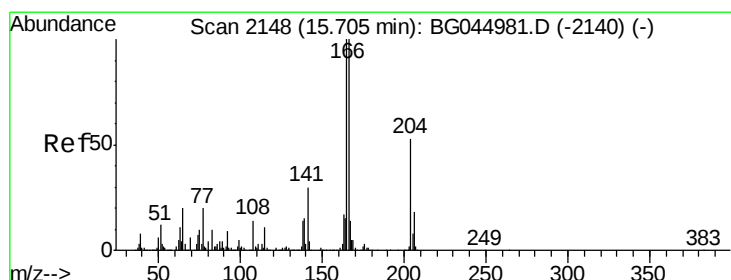
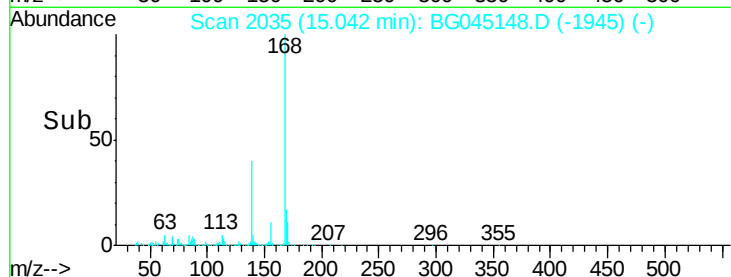
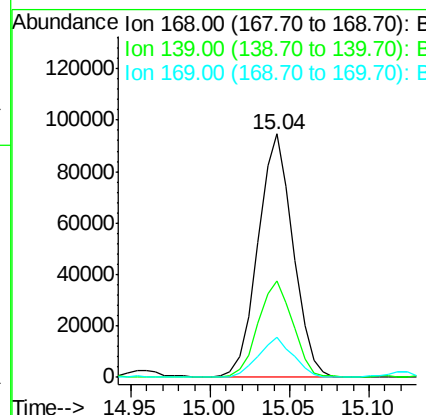
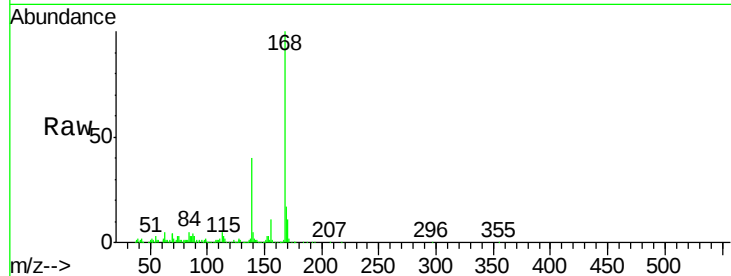
#55
Dibenzenofuran
Concen: 5.41 ng
RT: 15.04 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BG045148.D
Acq: 23 Apr 2020 19:09

Instrument :
BNA_G
ClientSampleId :
TP-17A

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.6	30.4	45.6
169	16.7	11.0	16.4

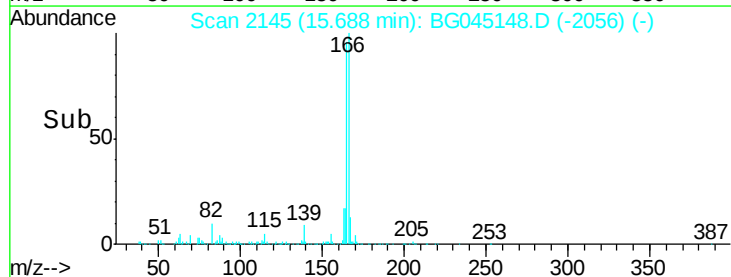
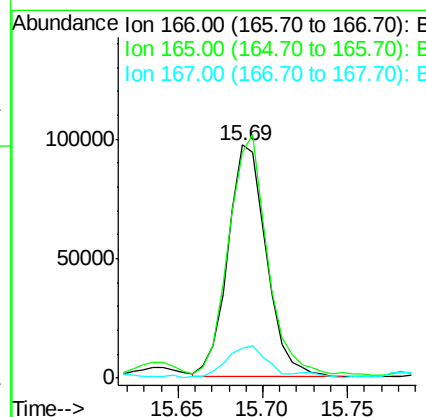
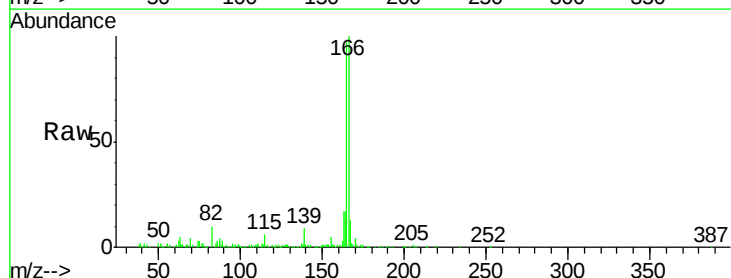
Manual Integrations
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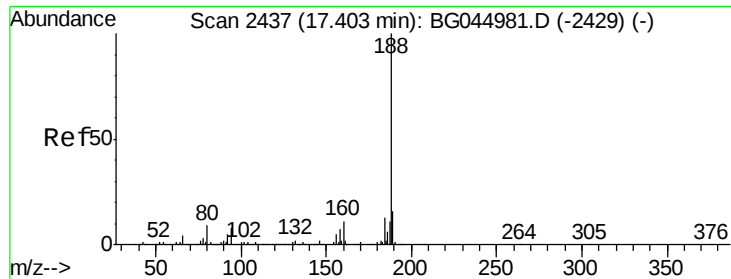
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#58
Fluorene
Concen: 7.00 ng
RT: 15.69 min Scan# 2145
Delta R.T. -0.01 min
Lab File: BG045148.D
Acq: 23 Apr 2020 19:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.6	79.9	119.9
167	13.0	11.4	17.0





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BG045148.D

Acq: 23 Apr 2020 19:09

Instrument :

BNA_G

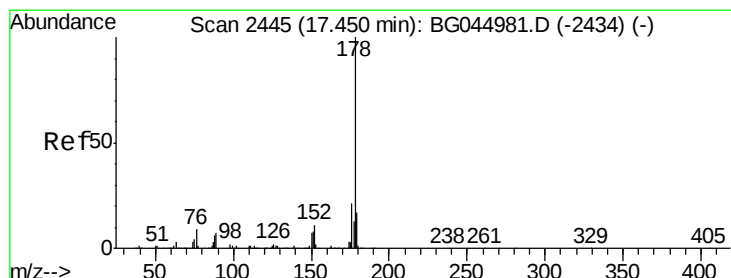
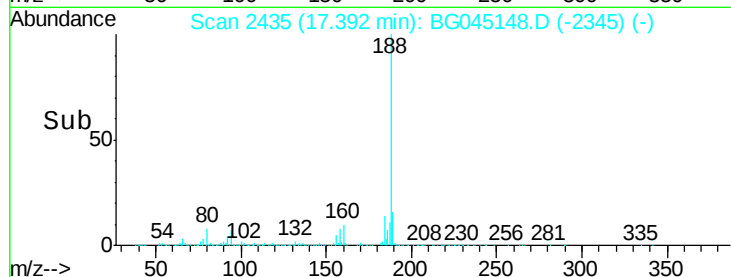
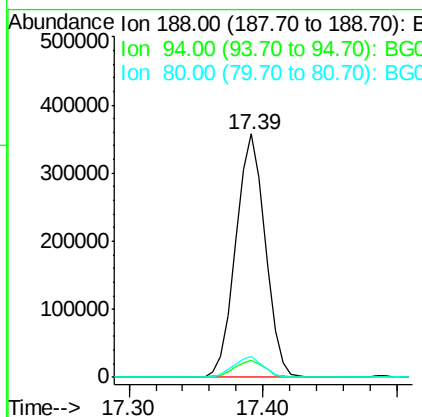
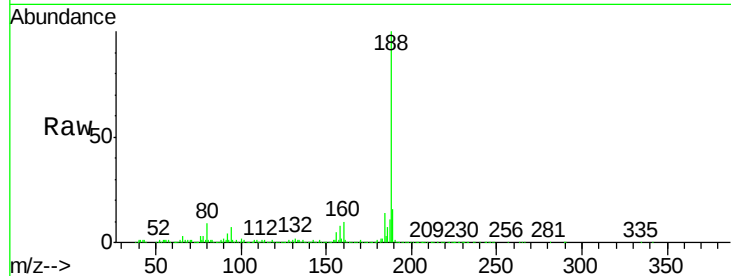
ClientSampleId :

TP-17A

Tgt Ion:	188	Resp:	546878
Ion Ratio	Lower	Upper	
188	100		
94	6.8	6.2	9.4
80	8.6	7.0	10.6

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#71

Phenanthrene

Concen: 34.40 ng

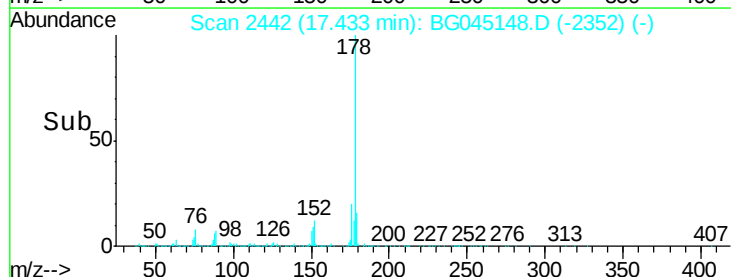
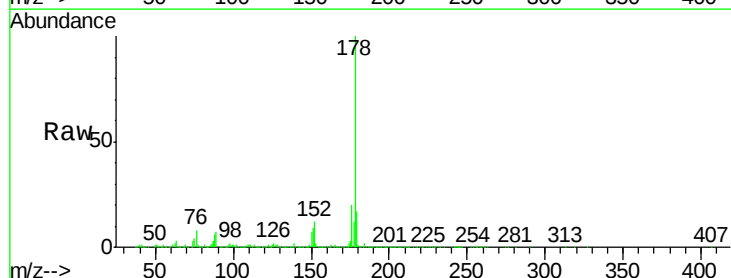
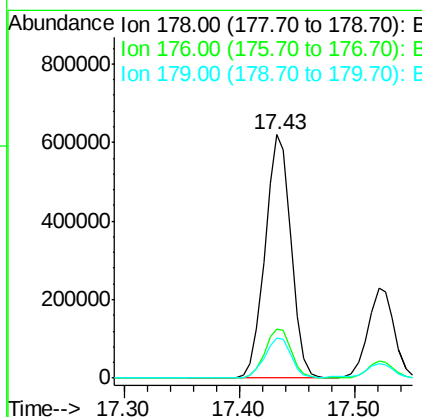
RT: 17.43 min Scan# 2442

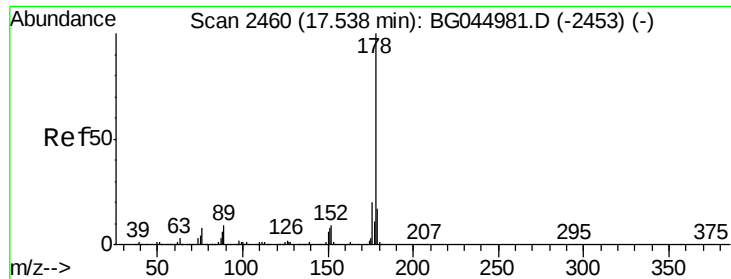
Delta R.T. -0.00 min

Lab File: BG045148.D

Acq: 23 Apr 2020 19:09

Tgt Ion:	178	Resp:	966811
Ion Ratio	Lower	Upper	
178	100		
176	20.3	16.8	25.2
179	16.6	13.2	19.8





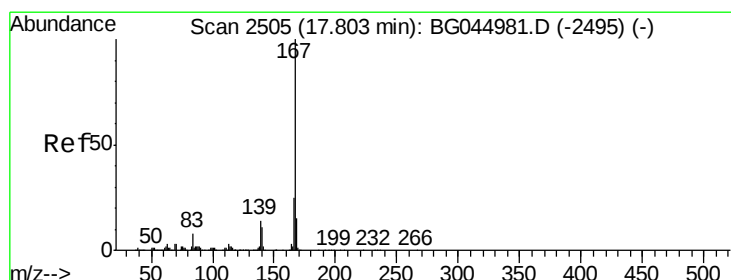
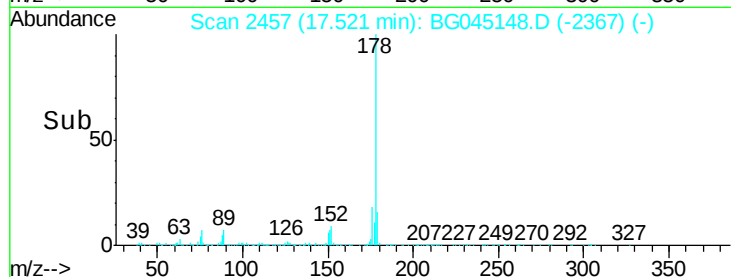
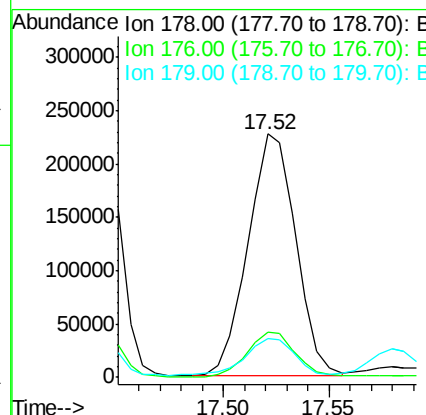
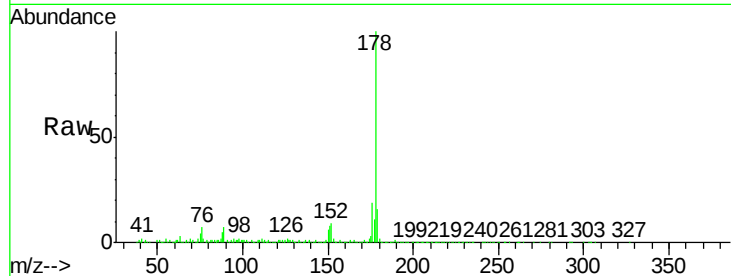
#72
 Anthracene
 Concen: 12.51 ng
 RT: 17.52 min Scan# 2457
 Delta R.T. -0.00 min
 Lab File: BG045148.D
 Acq: 23 Apr 2020 19:09

Instrument :
 BNA_G
 ClientSampleId :
 TP-17A

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.0	24.0
179	16.0	13.6	20.4

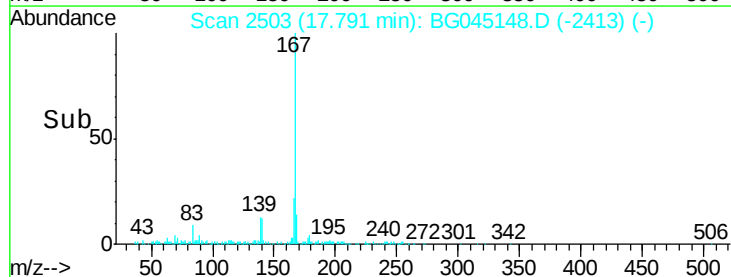
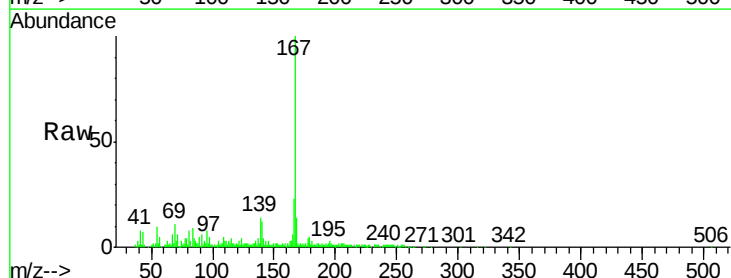
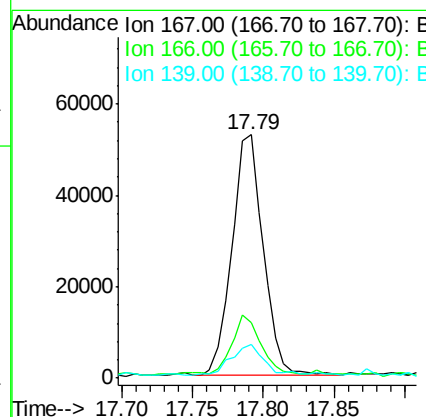
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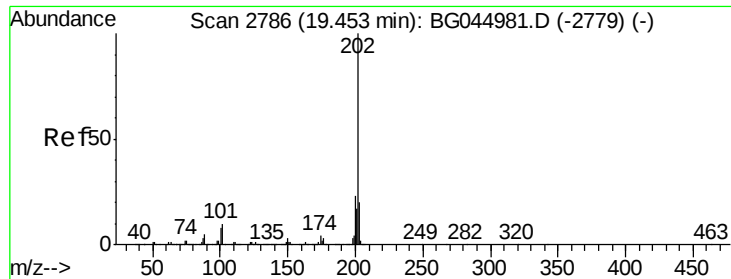
mohammad
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#73
 Carbazole
 Concen: 2.84 ng
 RT: 17.79 min Scan# 2503
 Delta R.T. -0.00 min
 Lab File: BG045148.D
 Acq: 23 Apr 2020 19:09

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	19.8	29.6
139	13.8	10.9	16.3





#75

Fluoranthene

Concen: 26.35 ng

RT: 19.44 min Scan# 2784

Delta R.T. -0.00 min

Lab File: BG045148.D

Acq: 23 Apr 2020 19:09

Instrument :

BNA_G

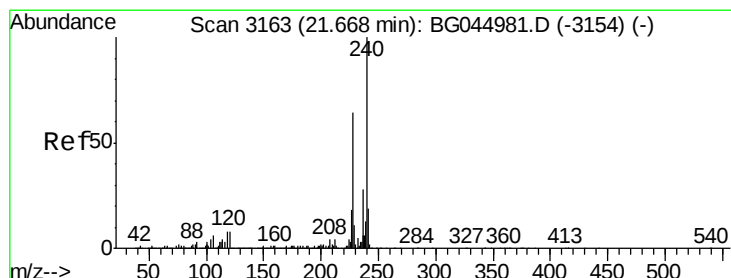
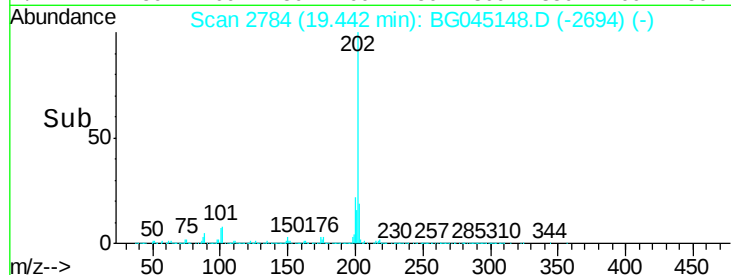
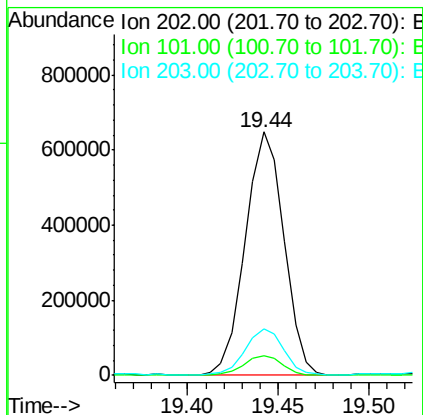
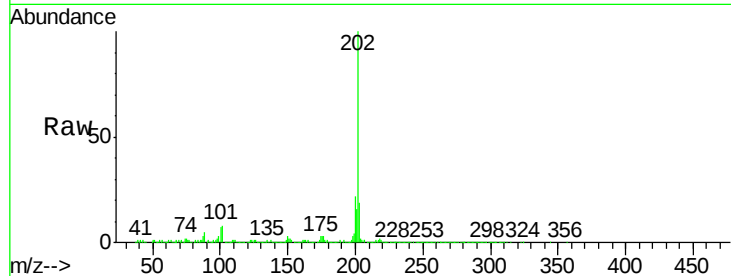
ClientSampleId :

TP-17A

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		954963		
101	7.8	0.0	29.6		
203	19.2	0.0	39.7		

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#76

Chrysene-d12

Concen: 20.00 ng

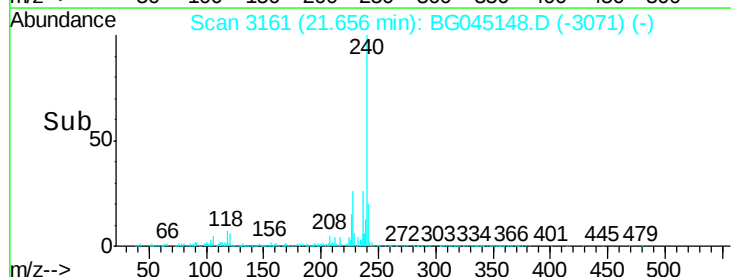
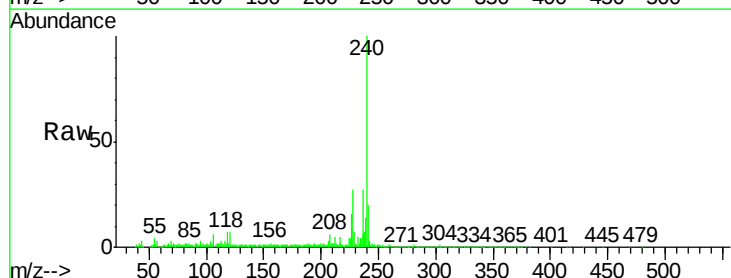
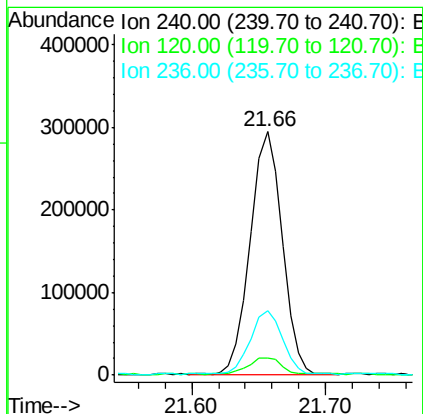
RT: 21.66 min Scan# 3161

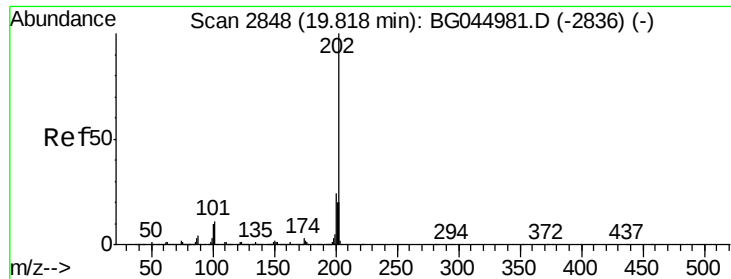
Delta R.T. -0.00 min

Lab File: BG045148.D

Acq: 23 Apr 2020 19:09

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		486041		
120	6.8	6.6	10.0		
236	26.5	22.2	33.2		





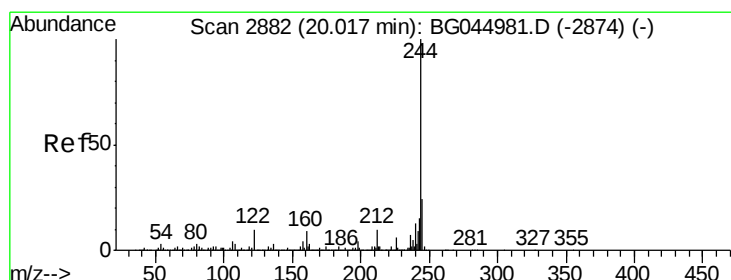
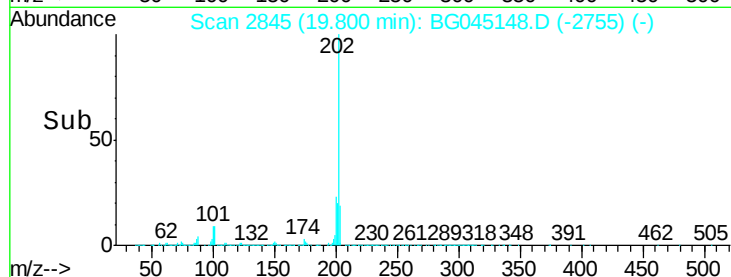
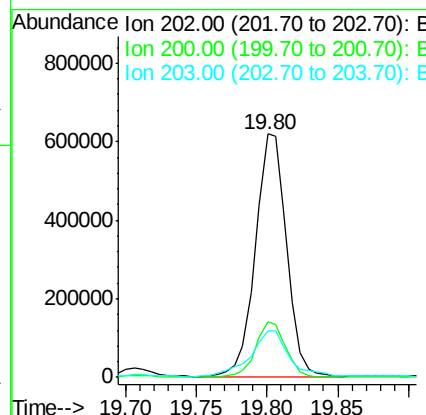
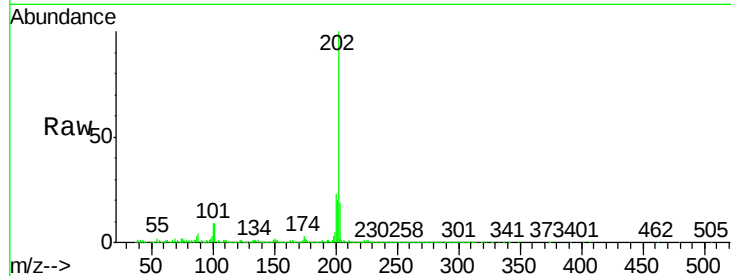
#78
 Pyrene
 Concen: 28.51 ng
 RT: 19.80 min Scan# 2845
 Delta R.T. -0.00 min
 Lab File: BG045148.D
 Acq: 23 Apr 2020 19:09

Instrument :
 BNA_G
 ClientSampleId :
 TP-17A

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	22.6	19.0	28.6
203	19.0	16.1	24.1

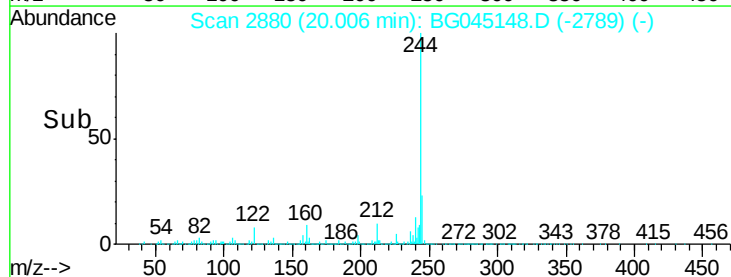
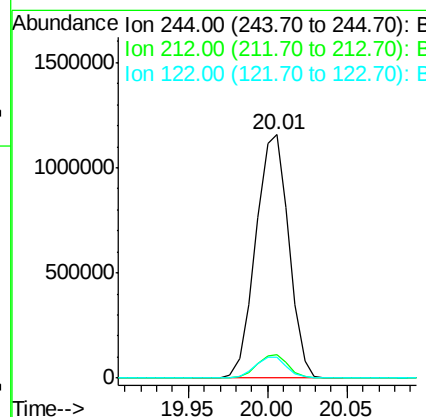
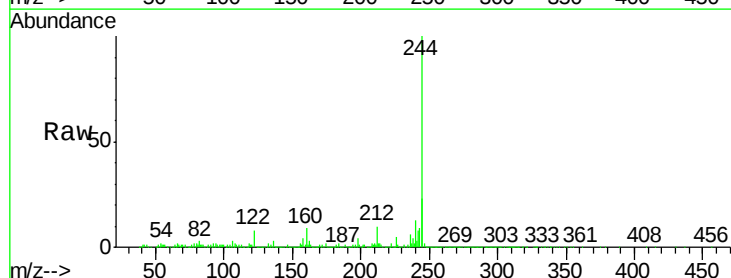
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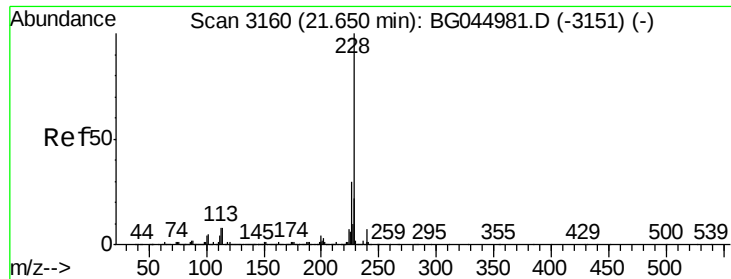
mohammad
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#79
 Terphenyl-d14
 Concen: 75.05 ng
 RT: 20.01 min Scan# 2880
 Delta R.T. 0.01 min
 Lab File: BG045148.D
 Acq: 23 Apr 2020 19:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.7	7.9	11.9
122	8.4	7.7	11.5





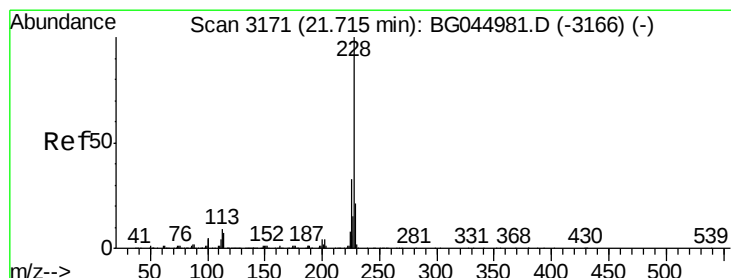
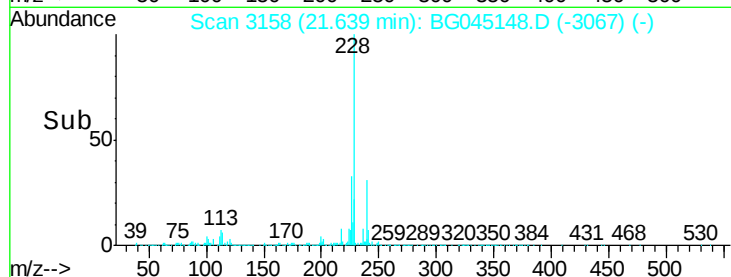
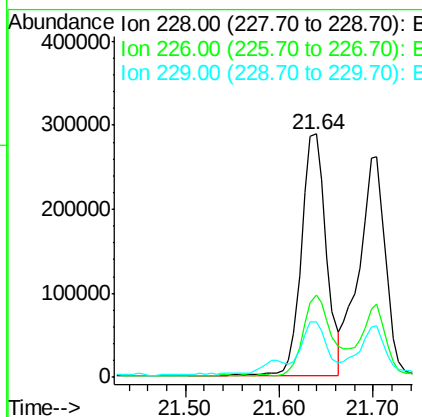
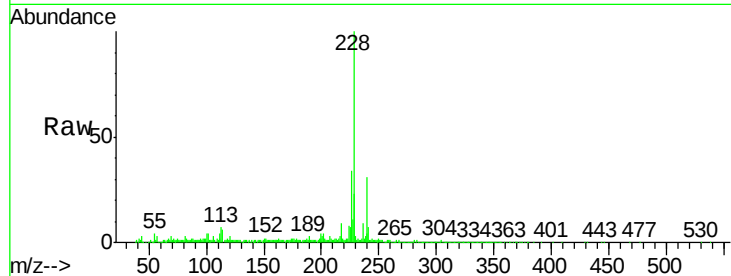
#81
Benzo(a)anthracene
Concen: 17.05 ng
RT: 21.64 min Scan# 3158
Delta R.T. 0.01 min
Lab File: BG045148.D
Acq: 23 Apr 2020 19:09

Instrument :
BNA_G
ClientSampleId :
TP-17A

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.8	24.0	36.0
229	22.9	17.5	26.3

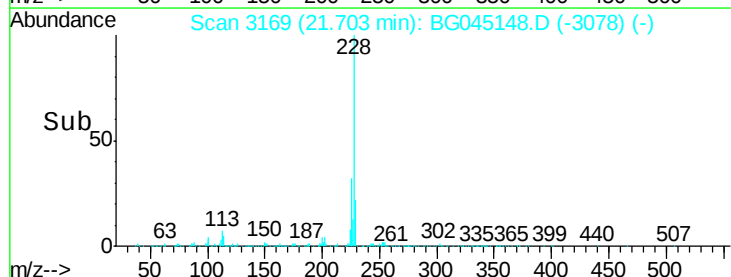
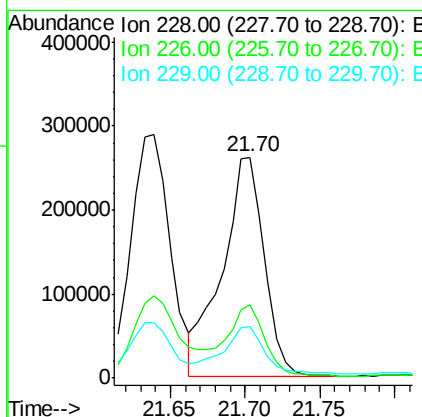
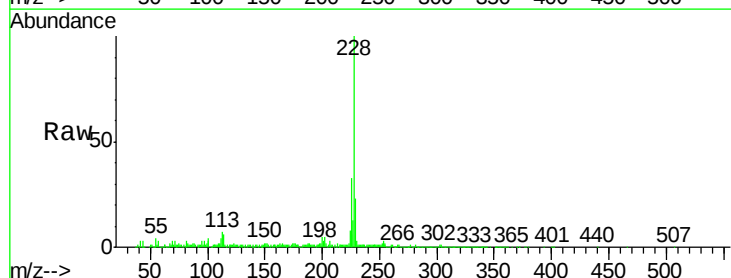
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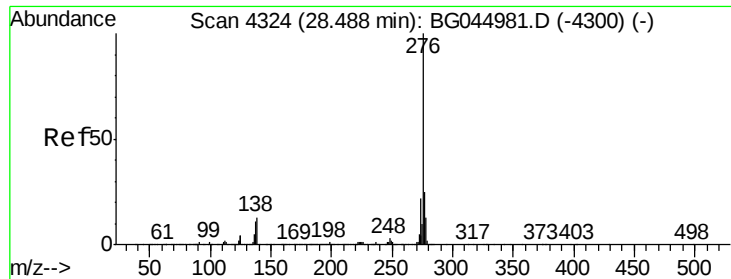
mohammad
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#83
Chrysene
Concen: 16.95 ng
RT: 21.70 min Scan# 3169
Delta R.T. 0.01 min
Lab File: BG045148.D
Acq: 23 Apr 2020 19:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	26.2	39.4
229	23.2	17.0	25.6





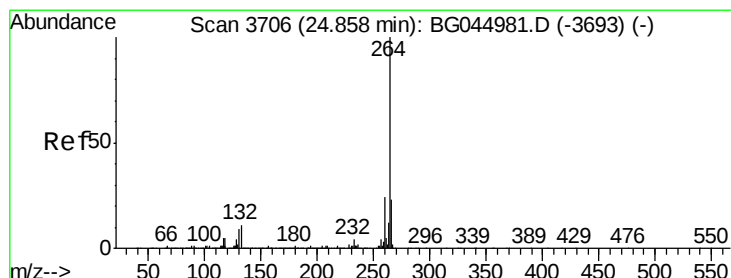
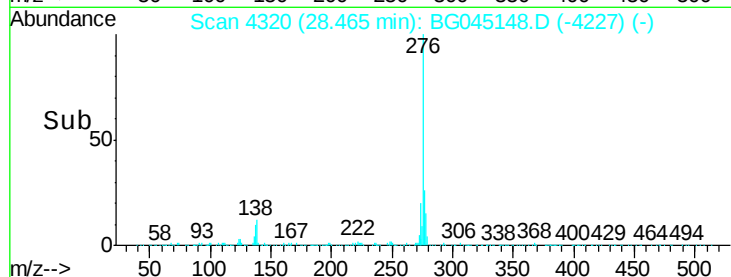
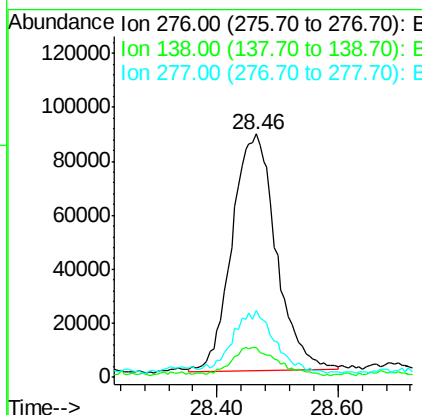
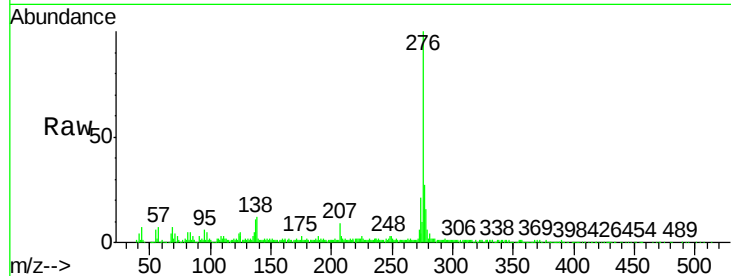
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 11.05 ng
 RT: 28.46 min Scan# 4320
 Delta R.T. 0.02 min
 Lab File: BG045148.D
 Acq: 23 Apr 2020 19:09

Instrument :
 BNA_G
 ClientSampleId :
 TP-17A

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	444225		
138	12.0		9.6	14.4
277	25.2		20.6	31.0

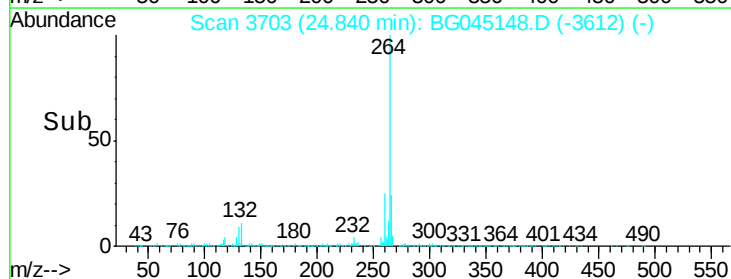
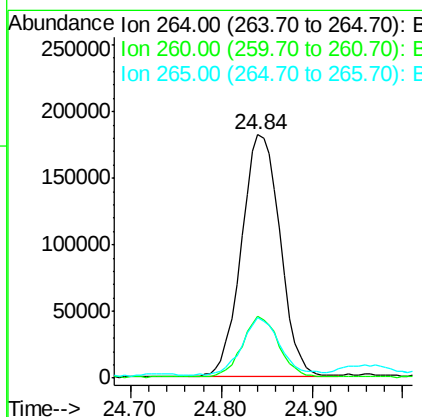
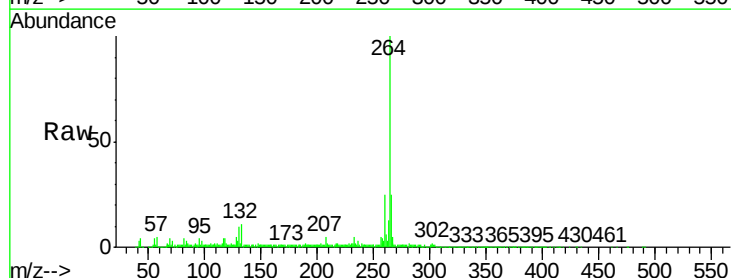
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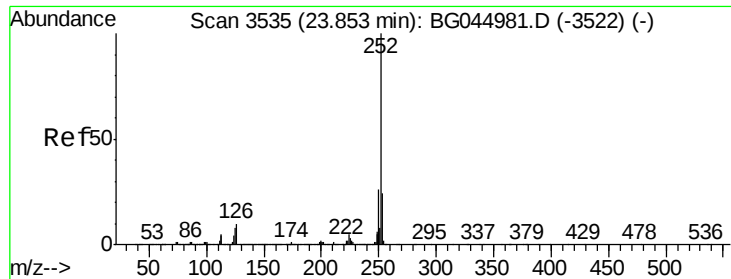
mohammad
 4/24/2020 1:35:05 PM



#87
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.84 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: BG045148.D
 Acq: 23 Apr 2020 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	541660		
260	25.4		19.2	28.8
265	24.7		19.0	28.4





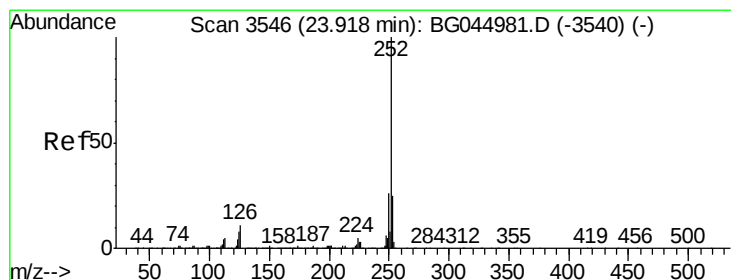
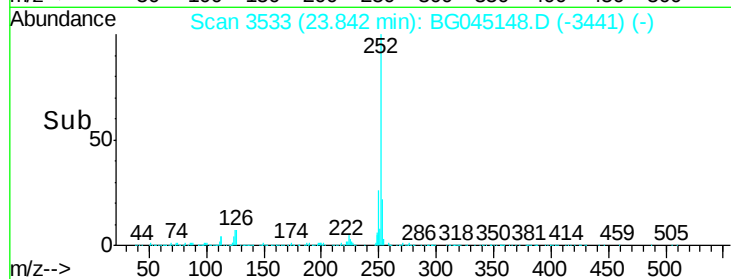
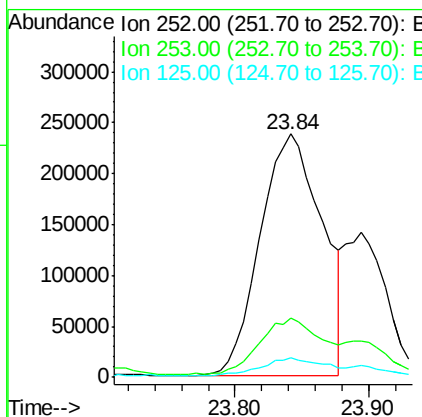
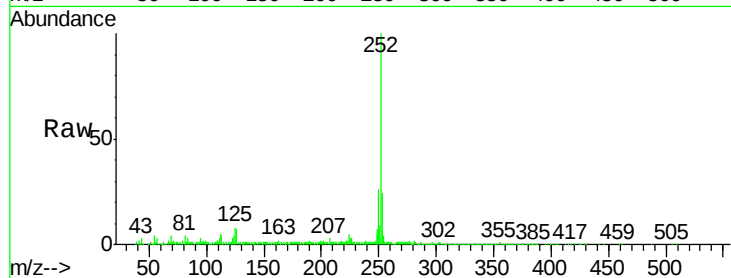
#88
Benzo(b)fluoranthene
Concen: 22.57 ng
RT: 23.84 min Scan# 3533
Delta R.T. 0.01 min
Lab File: BG045148.D
Acq: 23 Apr 2020 19:09

Instrument :
BNA_G
ClientSampleId :
TP-17A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.8	28.2
125	7.9	6.2	9.4

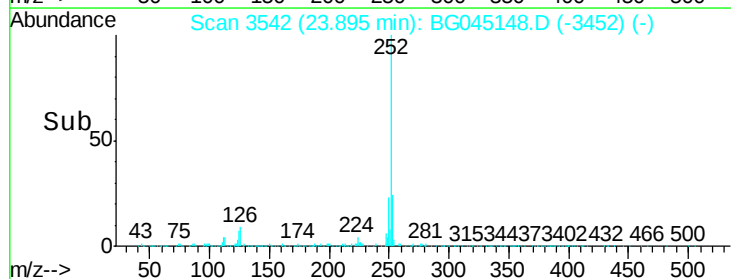
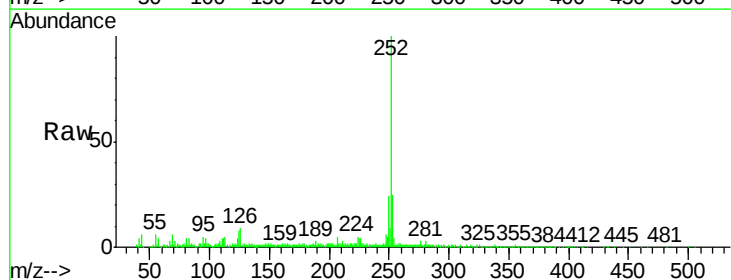
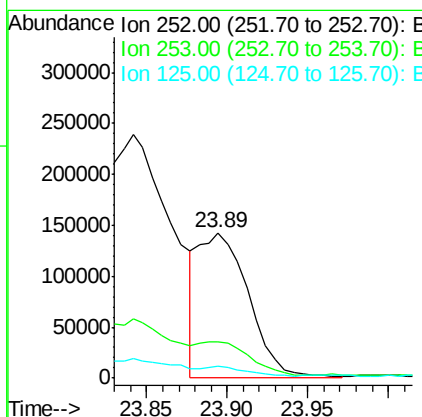
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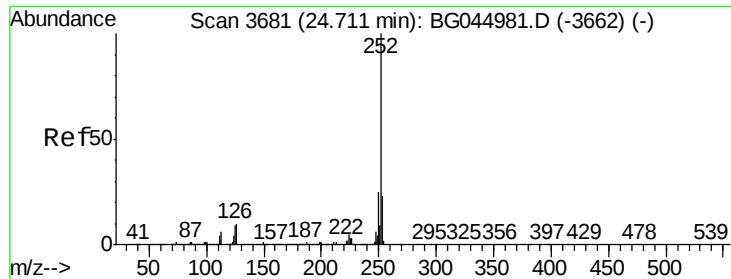
mohammad
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#89
Benzo(k)fluoranthene
Concen: 9.57 ng m
RT: 23.89 min Scan# 3542
Delta R.T. -0.00 min
Lab File: BG045148.D
Acq: 23 Apr 2020 19:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.2	28.8
125	7.9	5.9	8.9





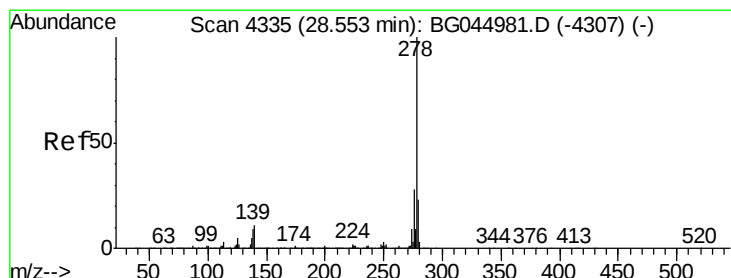
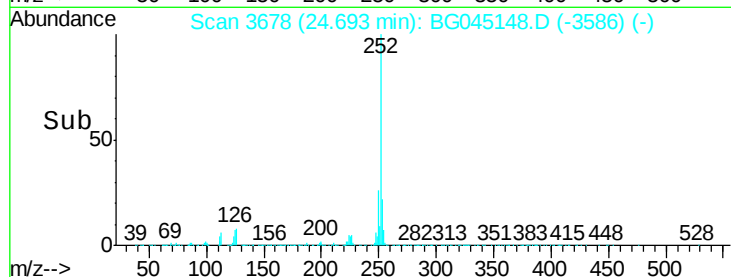
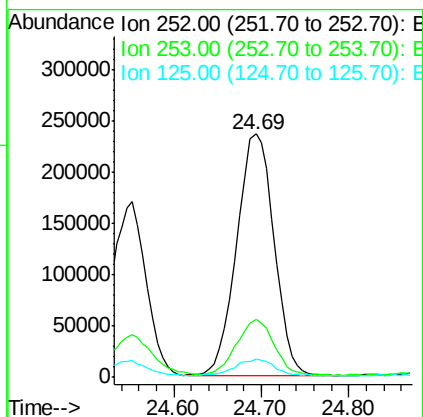
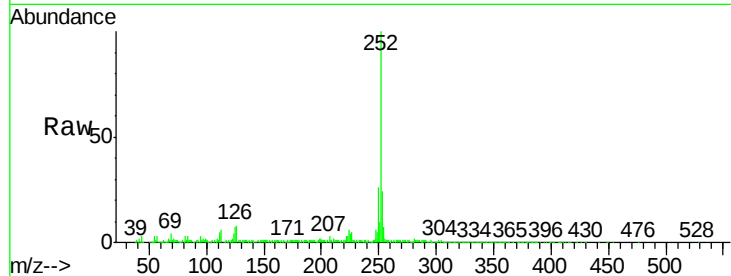
#90
Benzo(a)pyrene
Concen: 21.24 ng
RT: 24.69 min Scan# 3678
Delta R.T. 0.01 min
Lab File: BG045148.D
Acq: 23 Apr 2020 19:09

Instrument :
BNA_G
ClientSampleId :
TP-17A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.3	27.5
125	7.5	7.0	10.6

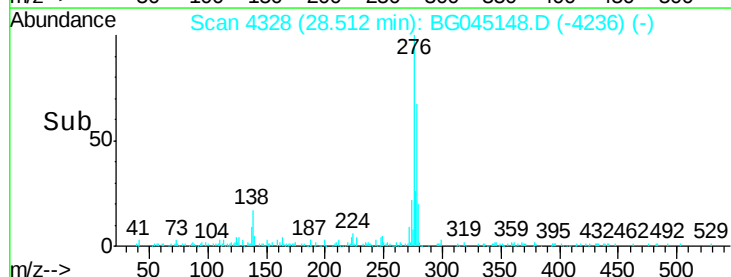
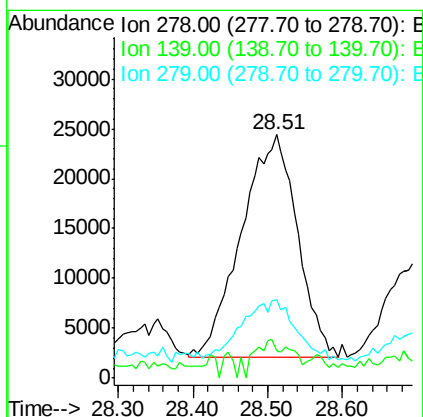
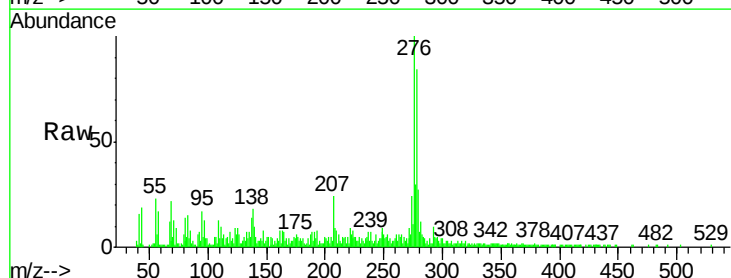
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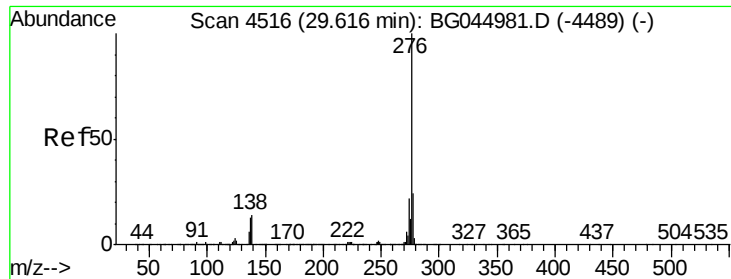
mohammad
4/24/2020 1:35:05 PM



#91
Dibenzo(a,h)anthracene
Concen: 3.57 ng
RT: 28.51 min Scan# 4328
Delta R.T. 0.01 min
Lab File: BG045148.D
Acq: 23 Apr 2020 19:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.4	9.0	13.6
279	32.0	18.4	27.6#





#92
 Benzo(g,h,i)perylene
 Concen: 12.18 ng
 RT: 29.59 min Scan# 4511
 Delta R.T. 0.02 min
 Lab File: BG045148.D
 Acq: 23 Apr 2020 19:09

Instrument :
 BNA_G
 ClientSampleId :
 TP-17A

Tgt Ion:	276	Resp:	394119
Ion Ratio	Lower	Upper	
276	100		
277	22.6	19.3	28.9
138	13.0	11.4	17.2

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