

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG042320\
 Data File : BG045147.D
 Acq On : 23 Apr 2020 18:30
 Operator : CG/JU
 Sample : L2331-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-19A

Manual Integrations
 APPROVED

mohammad
 4/24/2020 1:35:02 PM

Quant Time: Apr 24 03:09:27 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	8.01	152	85078	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	350054	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	238949	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	512168	20.00	ng	0.00
76) Chrysene-d12	21.65	240	424801	20.00	ng	0.00
87) Perylene-d12	24.83	264	463012	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	490204	95.12	ng	0.00
7) Phenol-d6	7.17	99	755380	98.66	ng	0.00
23) Nitrobenzene-d5	9.16	82	514900	67.12	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	344343	93.28	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1175730	72.15	ng	0.00
79) Terphenyl-d14	20.00	244	1548230	79.44	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	14.09	163	185642	9.54	ng	98
71) Phenanthrene	17.43	178	279623	10.62	ng	98
72) Anthracene	17.52	178	146617	5.55	ng	98
75) Fluoranthene	19.44	202	709875	19.44	ng	98
78) Pyrene	19.80	202	739390	25.25	ng	96
81) Benzo(a)anthracene	21.63	228	398430	14.47	ng	98
83) Chrysene	21.69	228	378599	14.31	ng	95
86) Indeno(1,2,3-cd)pyrene	28.43	276	306834	8.74	ng	99
88) Benzo(b)fluoranthene	23.83	252	543819	18.75	ng	98
89) Benzo(k)fluoranthene	23.89	252	178395m	6.47	ng	
90) Benzo(a)pyrene	24.68	252	435135	15.89	ng	97
91) Dibenzo(a,h)anthracene	28.48	278	78164	2.83	ng	92
92) Benzo(g,h,i)perylene	29.56	276	311010	11.24	ng	96

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

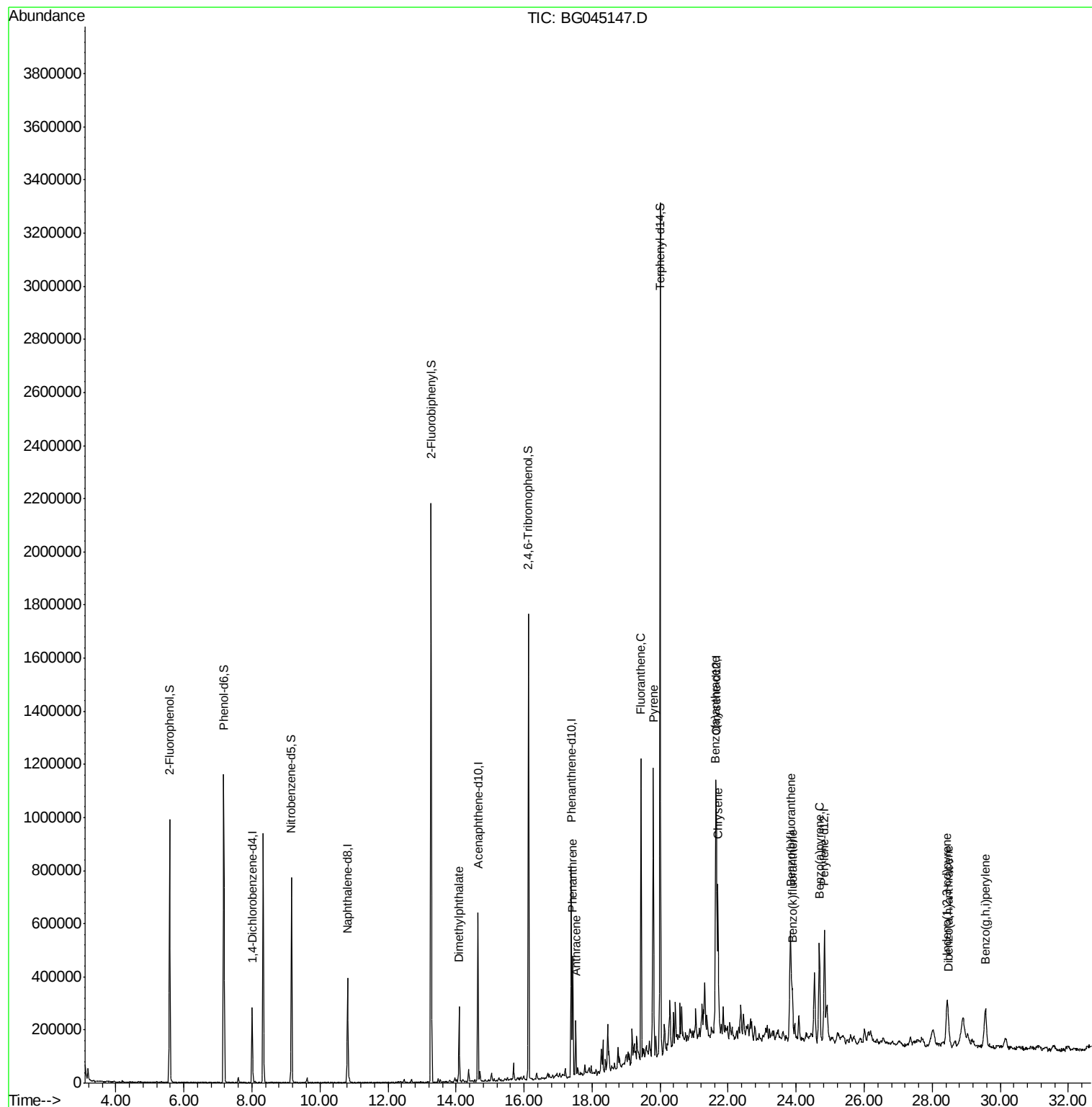
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG042320\
Data File : BG045147.D
Acq On : 23 Apr 2020 18:30
Operator : CG/JU
Sample : L2331-06
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 23 13:58:55 2020
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#1

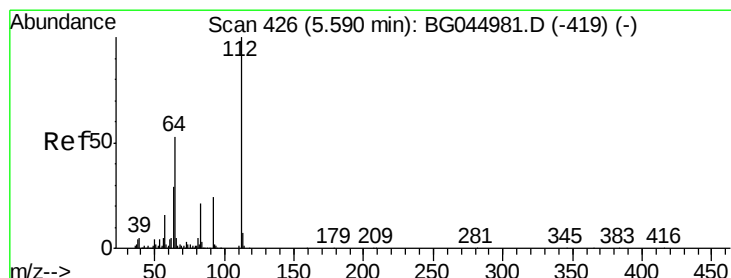
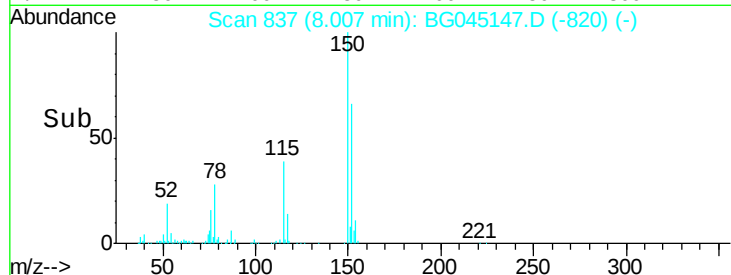
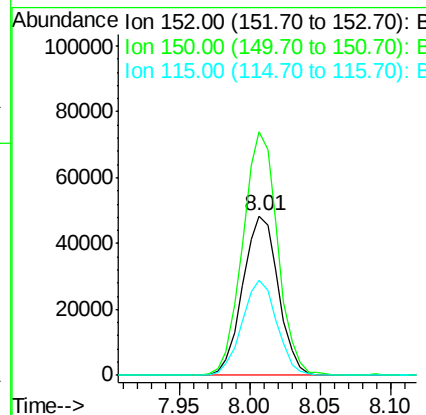
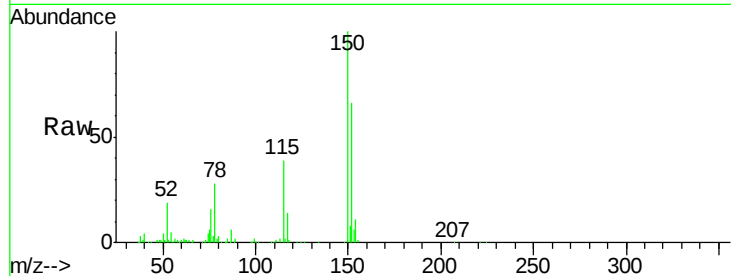
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Instrument :
BNA_G
ClientSampleId :
TP-19A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.5	123.6	185.4
115	60.0	49.1	73.7

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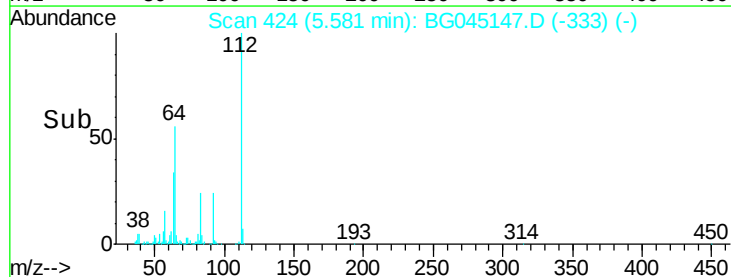
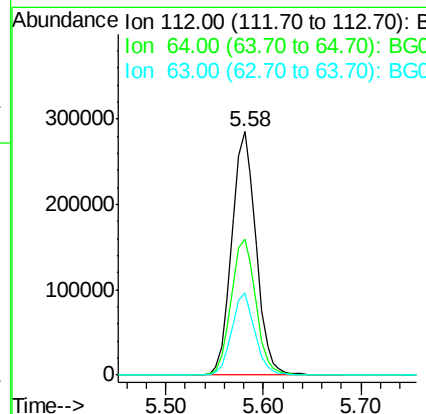
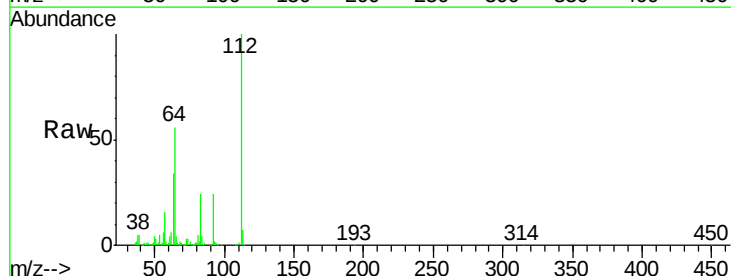
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#5

2-Fluorophenol
Concen: 95.12 ng
RT: 5.58 min Scan# 424
Delta R.T. 0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	42.4	63.6
63	33.6	23.1	34.7





#7

Phenol-d6

Concen: 98.66 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

Instrument :

BNA_G

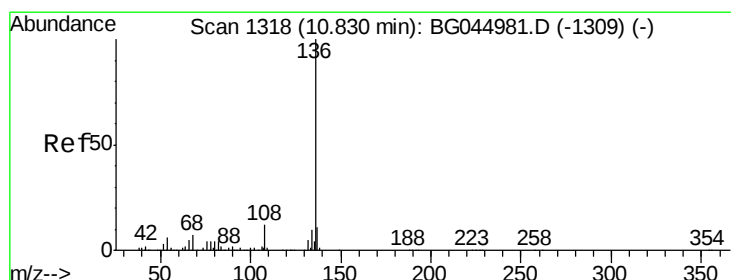
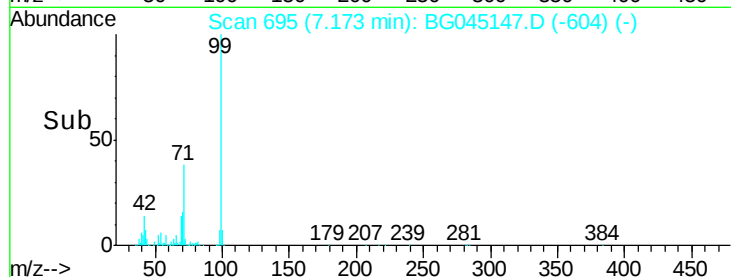
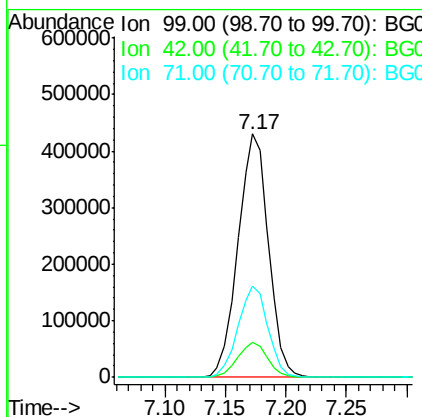
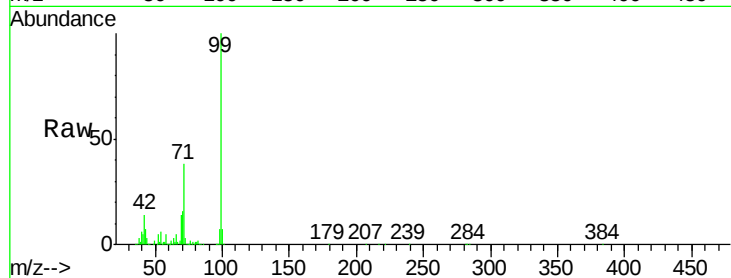
ClientSampleId :

TP-19A

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	755380		
42	14.2	11.3	16.9	
71	37.7	28.3	42.5	

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#21

Naphthalene-d8

Concen: 20.00 ng

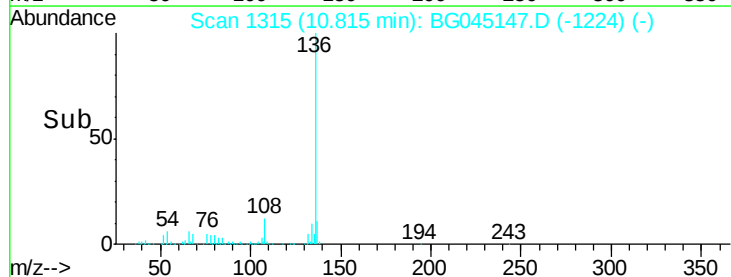
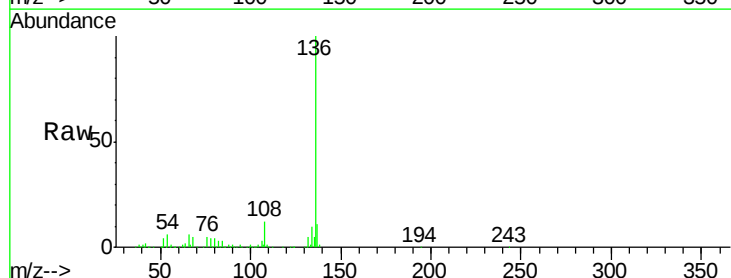
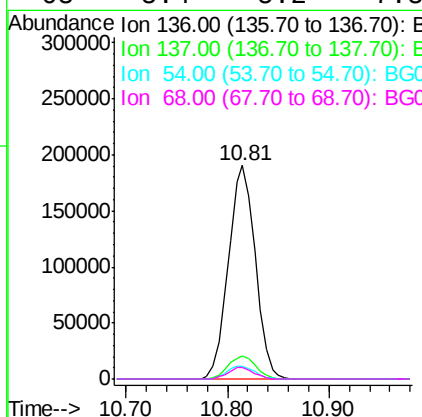
RT: 10.81 min Scan# 1315

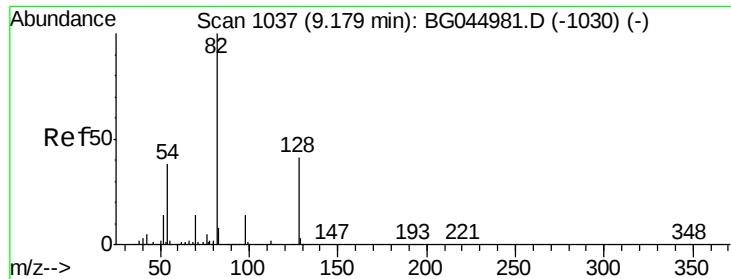
Delta R.T. 0.00 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	350054		
137	11.0	8.6	13.0	
54	5.9	4.8	7.2	
68	5.4	5.2	7.8	





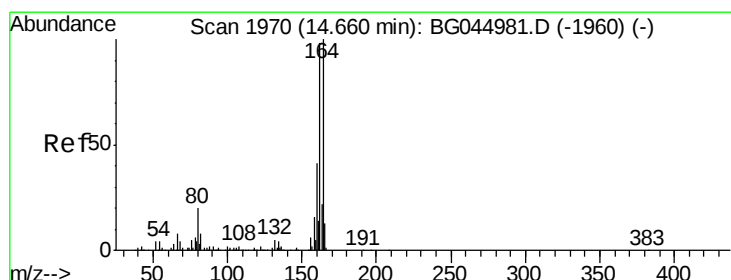
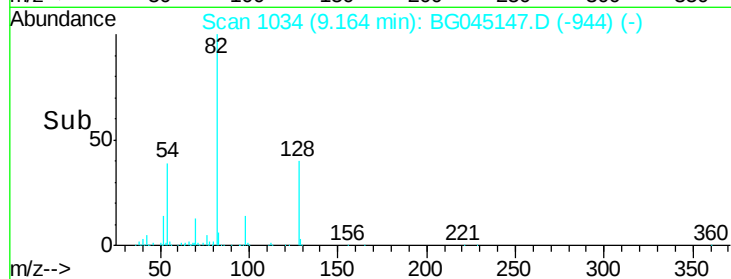
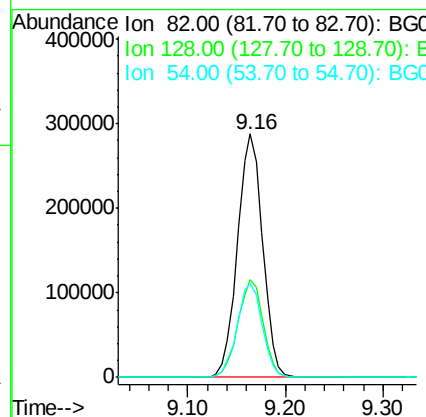
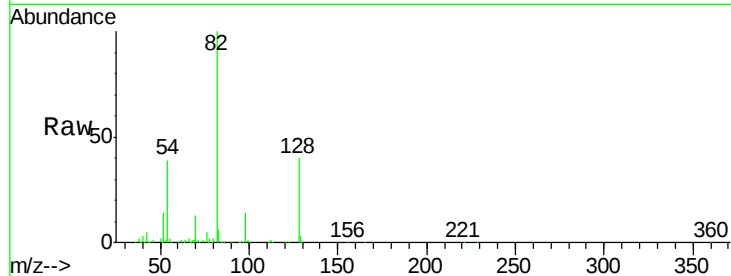
#23
 Nitrobenzene-d5
 Concen: 67.12 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BG045147.D
 Acq: 23 Apr 2020 18:30

Instrument :
 BNA_G
 ClientSampleId :
 TP-19A

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	39.9	33.0	49.4
54	38.5	30.4	45.6

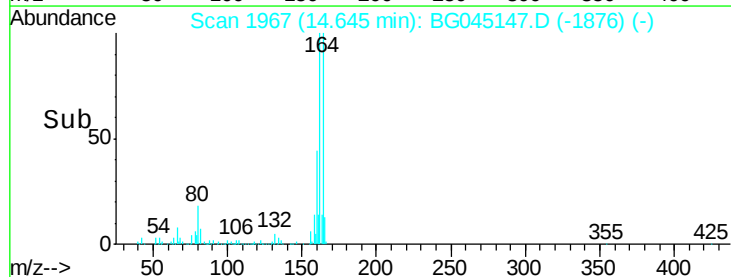
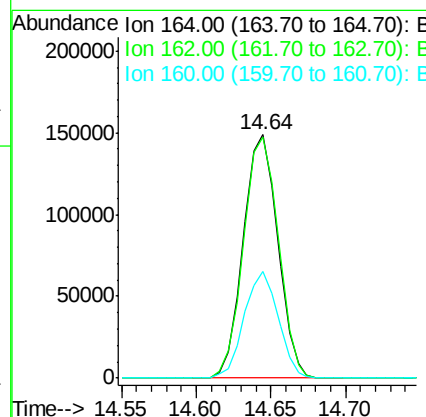
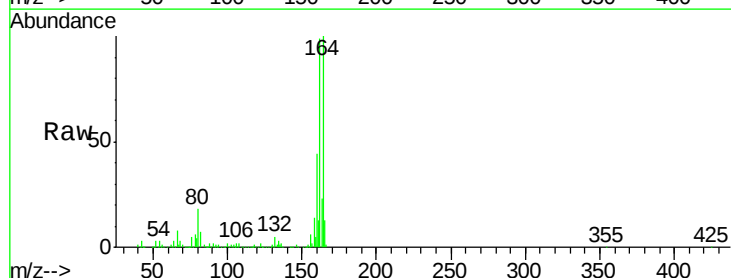
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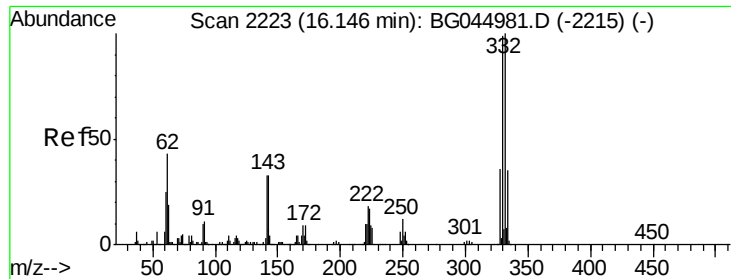
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#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. 0.00 min
 Lab File: BG045147.D
 Acq: 23 Apr 2020 18:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	98.9	78.7	118.1
160	43.8	32.8	49.2





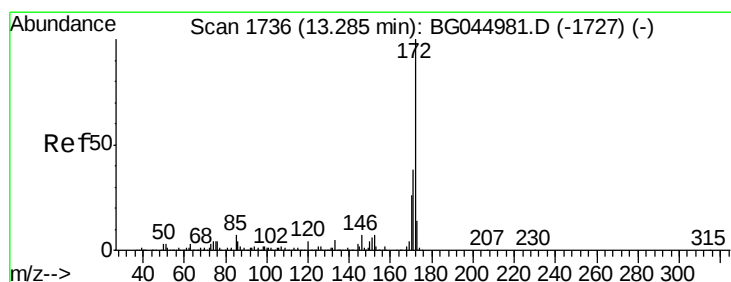
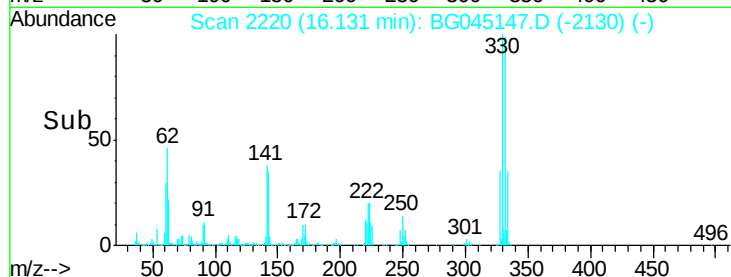
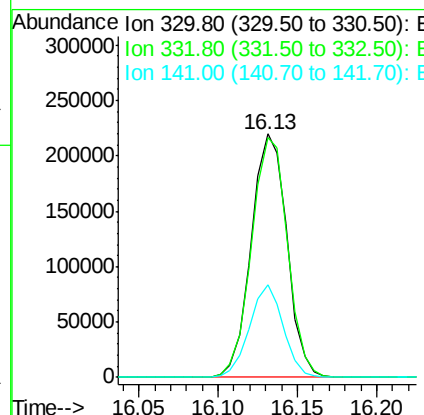
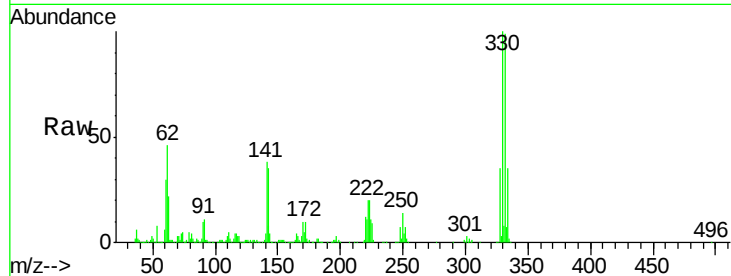
#42
 2,4,6-Tribromophenol
 Concen: 93.28 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG045147.D
 Acq: 23 Apr 2020 18:30

Instrument :
 BNA_G
 ClientSampled :
 TP-19A

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	344343		
332	99.6	79.1	118.7	
141	36.1	27.1	40.7	

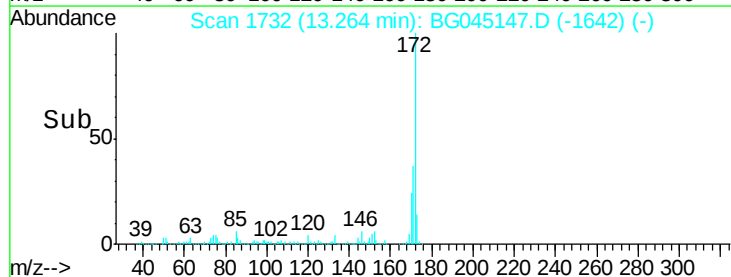
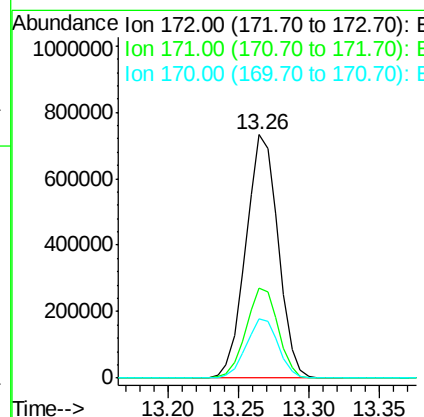
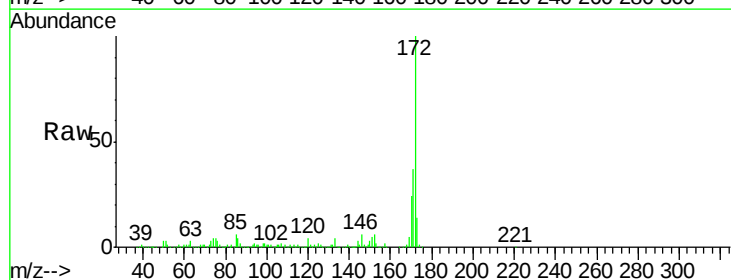
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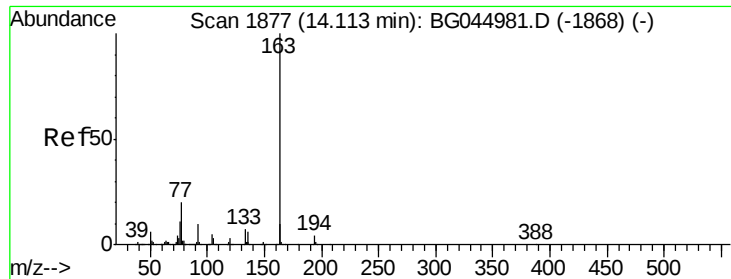
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#45
 2-Fluorobiphenyl
 Concen: 72.15 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG045147.D
 Acq: 23 Apr 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1175730		
171	37.0	30.6	46.0	
170	24.4	20.5	30.7	





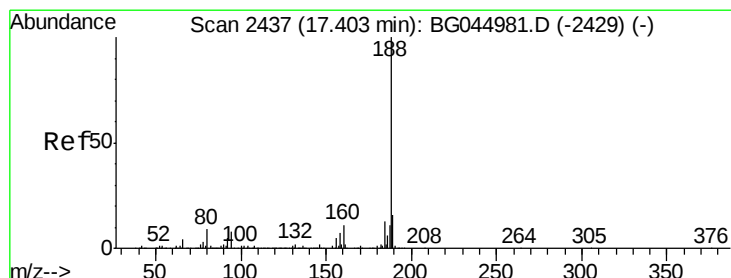
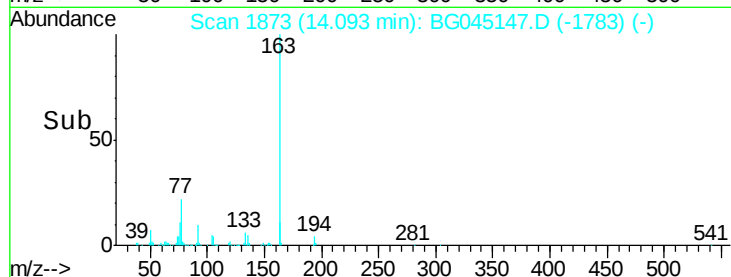
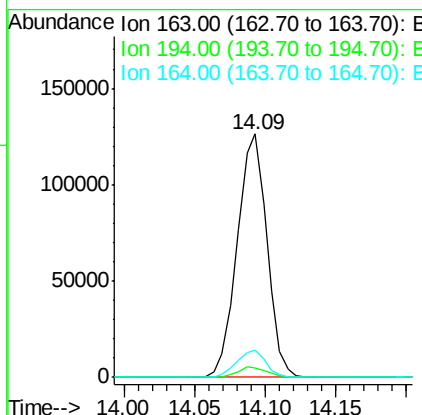
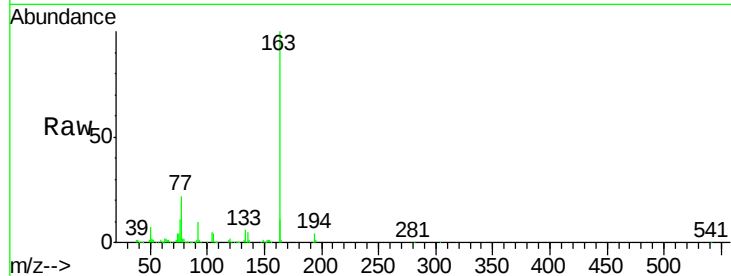
#50
Dimethylphthalate
Concen: 9.54 ng
RT: 14.09 min Scan# 1873
Delta R.T. -0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Instrument :
BNA_G
ClientSampleId :
TP-19A

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	11.3	8.2	12.4

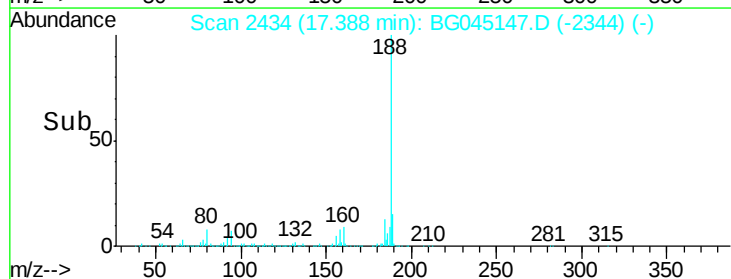
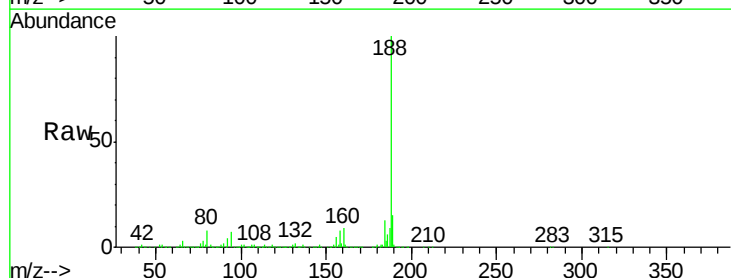
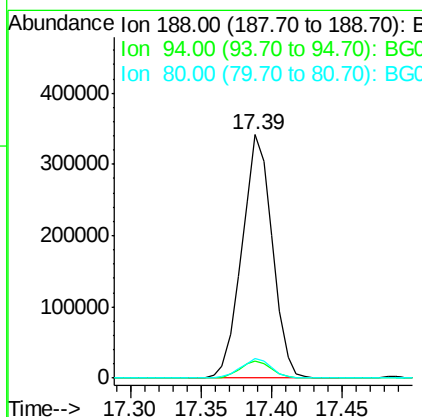
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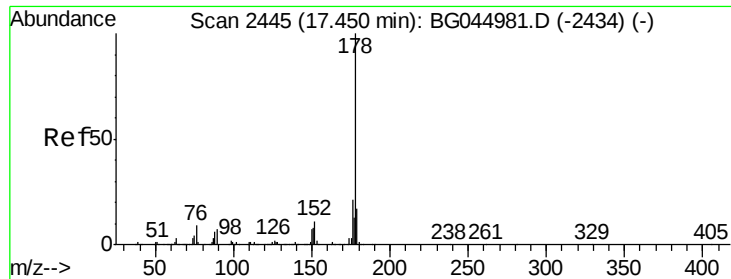
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.39 min Scan# 2434
Delta R.T. -0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.2	9.4
80	7.9	7.0	10.6





#71

Phenanthrene

Concen: 10.62 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.00 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

Instrument :

BNA_G

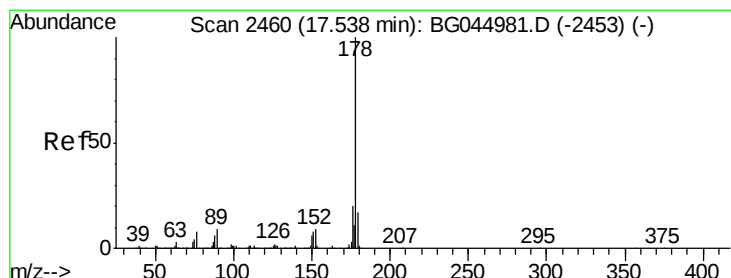
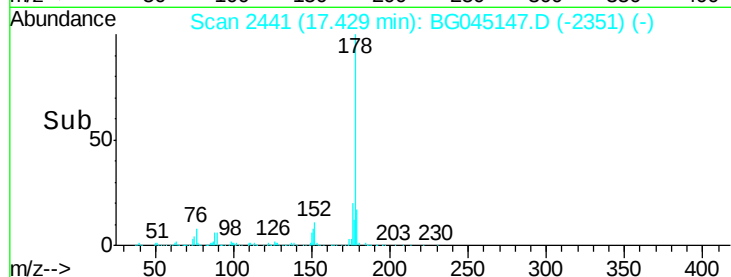
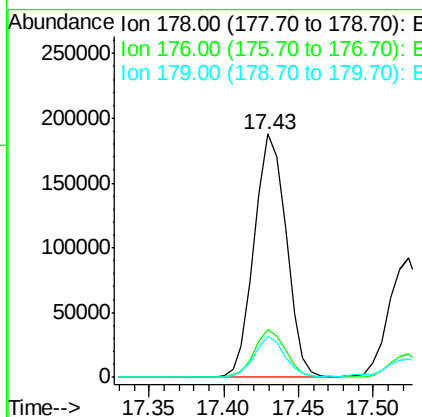
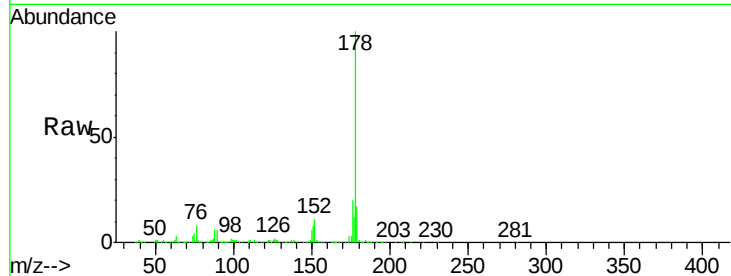
ClientSampled :

TP-19A

Tgt Ion:	178	Resp:	279623
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.8	25.2
179	16.8	13.2	19.8

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#72

Anthracene

Concen: 5.55 ng

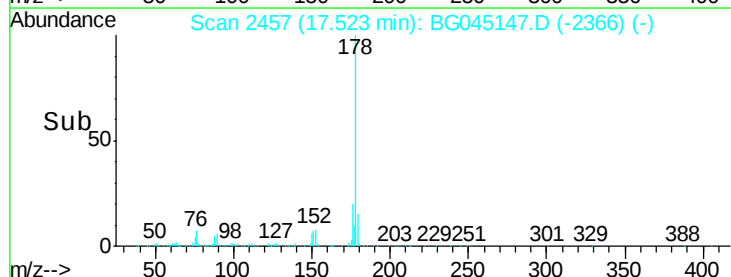
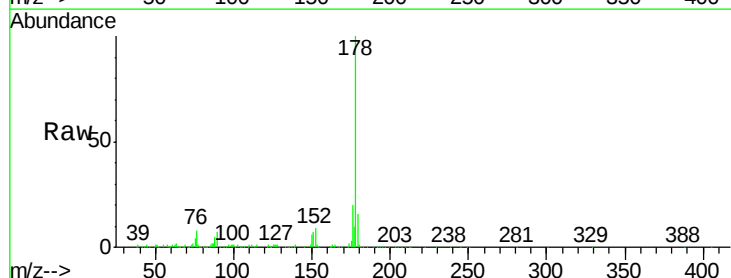
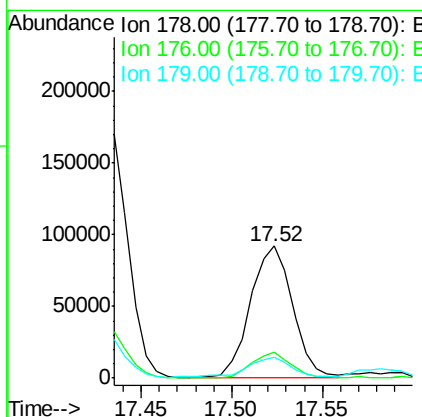
RT: 17.52 min Scan# 2457

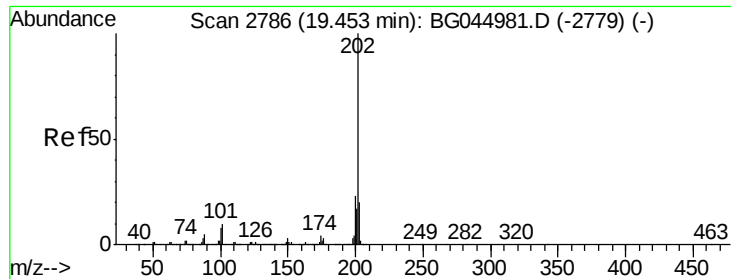
Delta R.T. 0.00 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

Tgt Ion:	178	Resp:	146617
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.0	24.0
179	15.6	13.6	20.4





#75

Fluoranthene

Concen: 19.44 ng

RT: 19.44 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BG045147.D

Acq: 23 Apr 2020 18:30

Instrument :

BNA_G

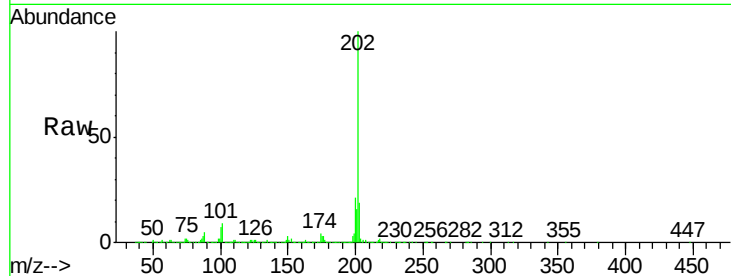
ClientSampleId :

TP-19A

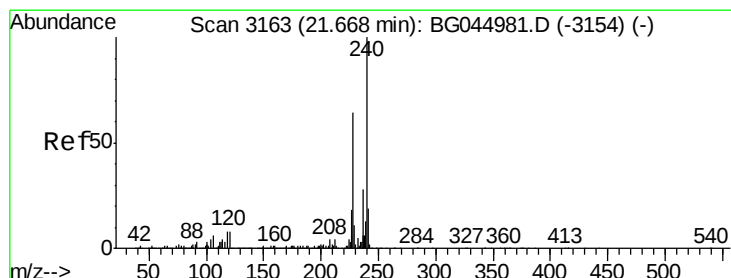
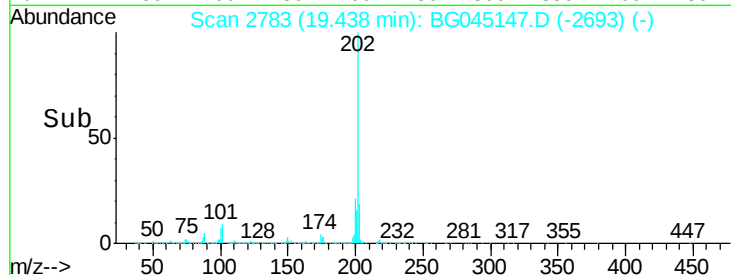
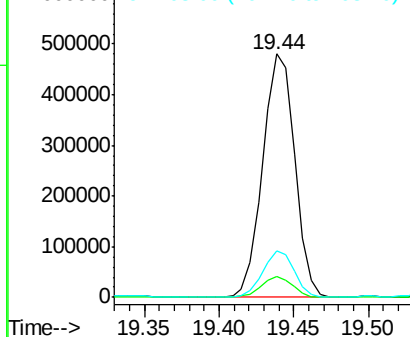
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		709875		
101	8.8	0.0	29.6		
203	19.1	0.0	39.7		

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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: 20.00 ng

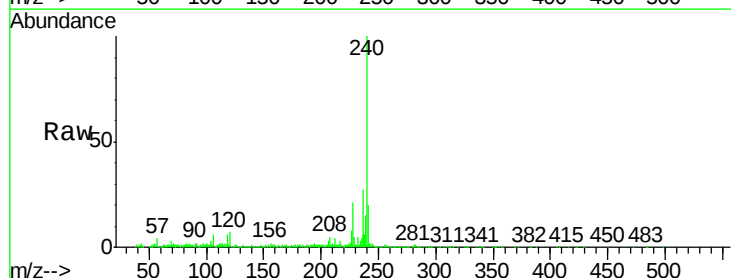
RT: 21.65 min Scan# 3160

Delta R.T. -0.00 min

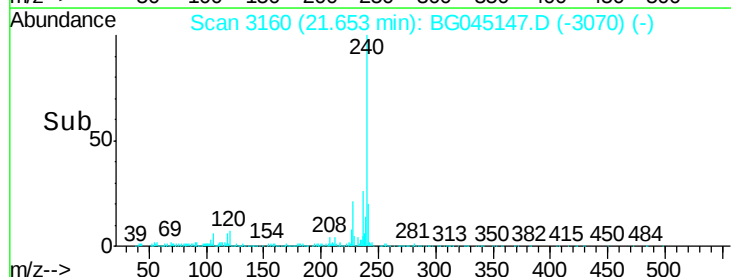
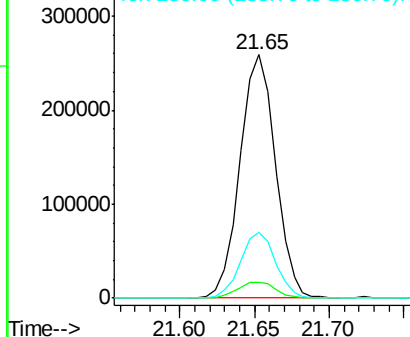
Lab File: BG045147.D

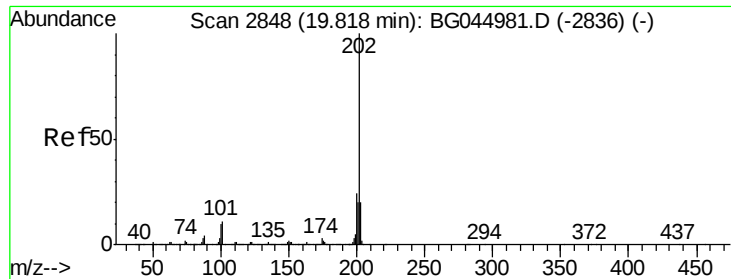
Acq: 23 Apr 2020 18:30

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		424801		
120	6.7	6.6	10.0		
236	27.0	22.2	33.2		



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





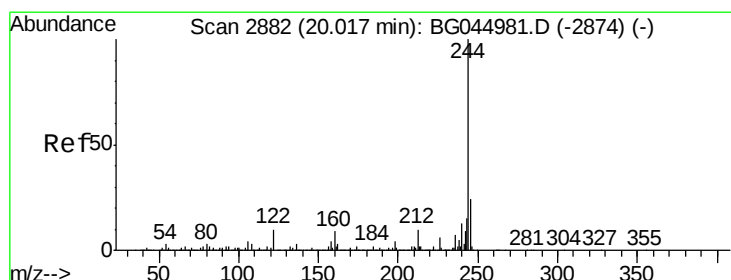
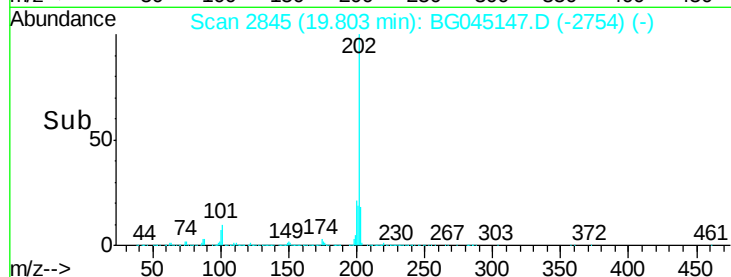
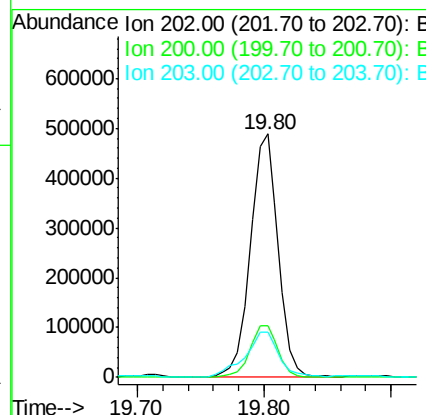
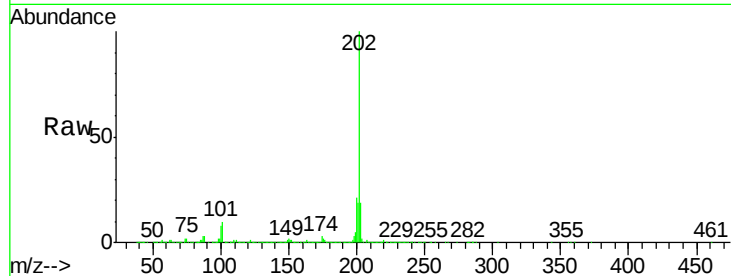
#78
 Pyrene
 Concen: 25.25 ng
 RT: 19.80 min Scan# 2845
 Delta R.T. 0.00 min
 Lab File: BG045147.D
 Acq: 23 Apr 2020 18:30

Instrument :
 BNA_G
 ClientSampleId :
 TP-19A

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	19.0	28.6	
203	18.7	16.1	24.1	

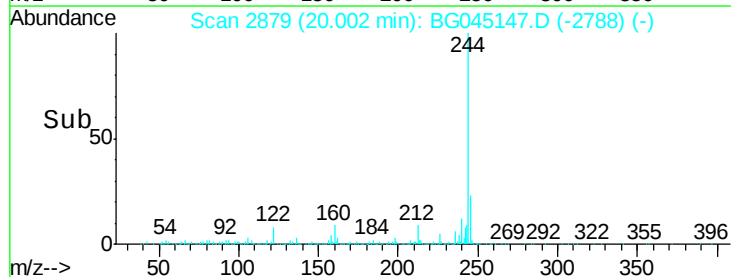
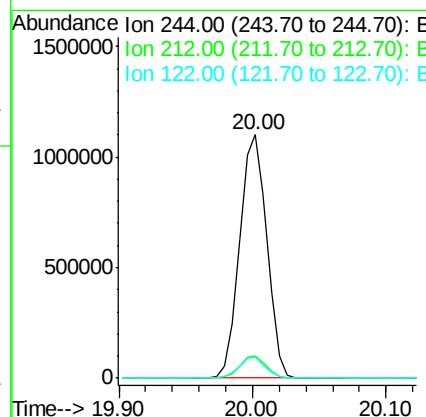
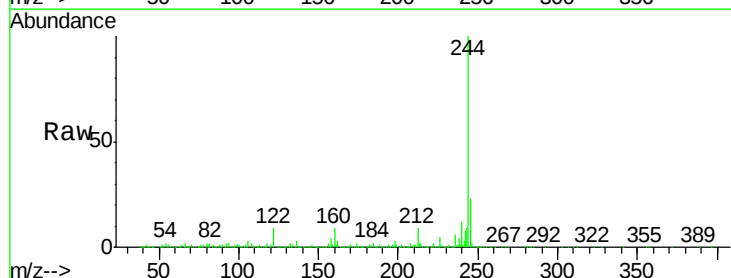
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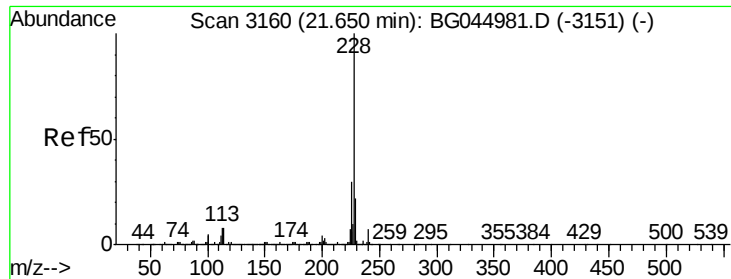
mohammad
 4/24/2020 1:35:02 PM



#79
 Terphenyl-d14
 Concen: 79.44 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. 0.00 min
 Lab File: BG045147.D
 Acq: 23 Apr 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	9.3	7.9	11.9	
122	8.5	7.7	11.5	





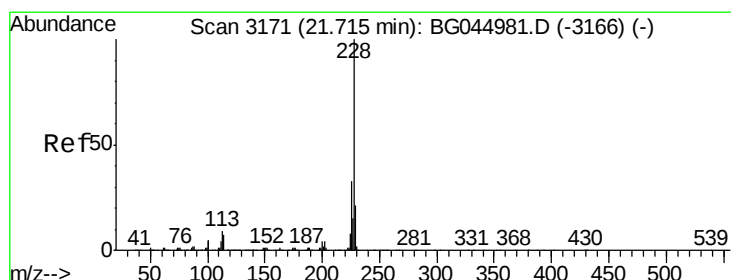
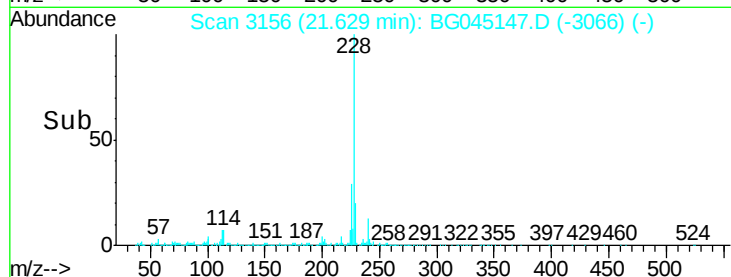
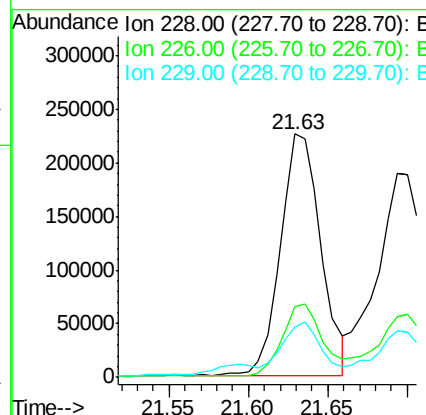
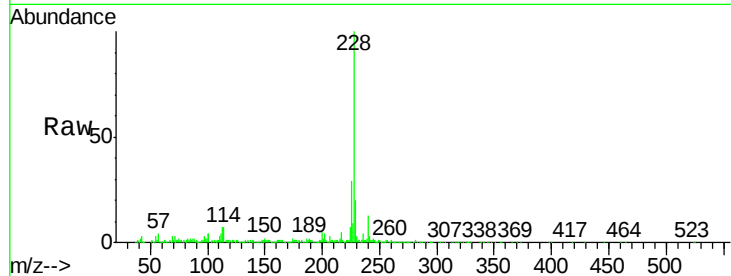
#81
Benzo(a)anthracene
Concen: 14.47 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Instrument :
BNA_G
ClientSampleId :
TP-19A

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.0	36.0
229	20.5	17.5	26.3

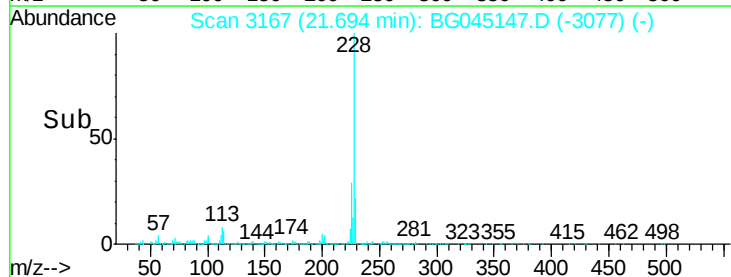
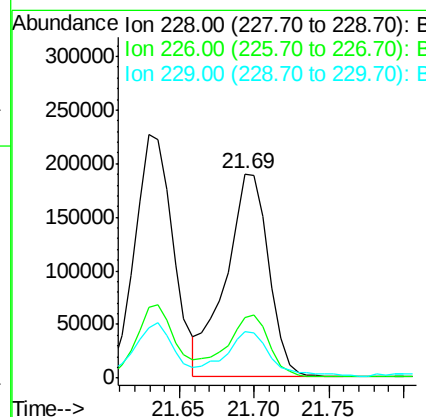
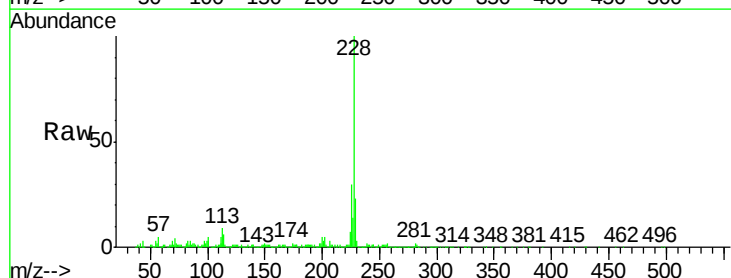
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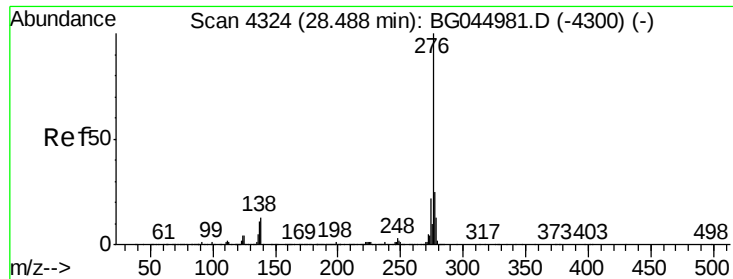
mohammad
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#83
Chrysene
Concen: 14.31 ng
RT: 21.69 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	26.2	39.4
229	22.7	17.0	25.6





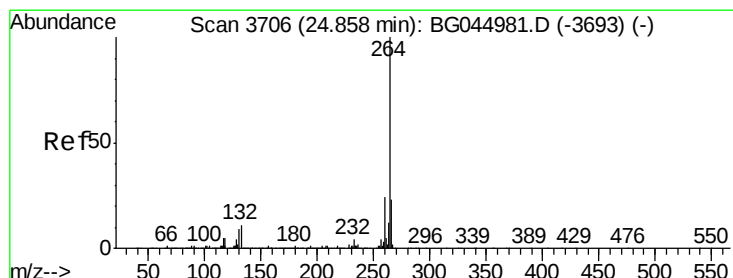
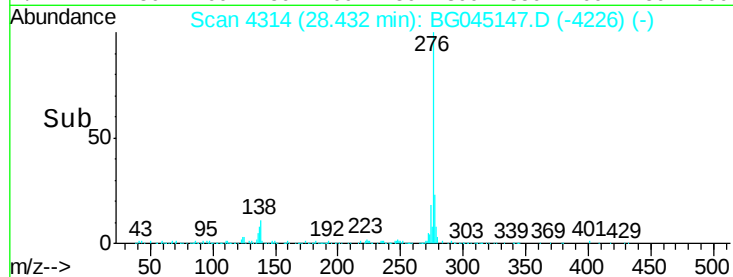
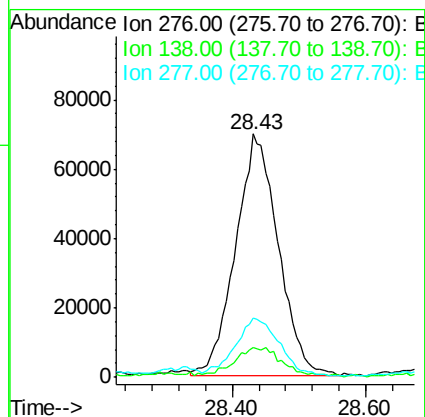
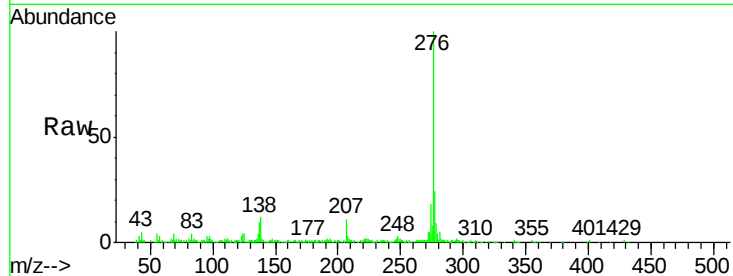
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.74 ng
RT: 28.43 min Scan# 4314
Delta R.T. -0.02 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Instrument :
BNA_G
ClientSampleId :
TP-19A

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	306834		
138	12.1		9.6	14.4
277	24.8		20.6	31.0

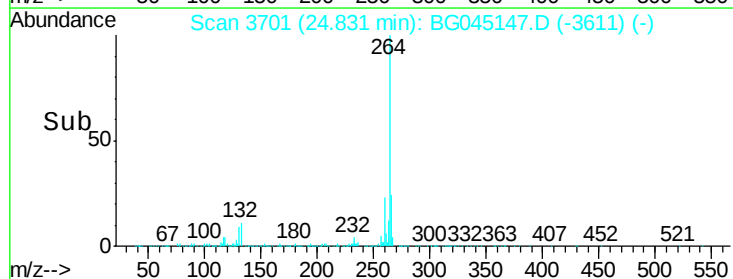
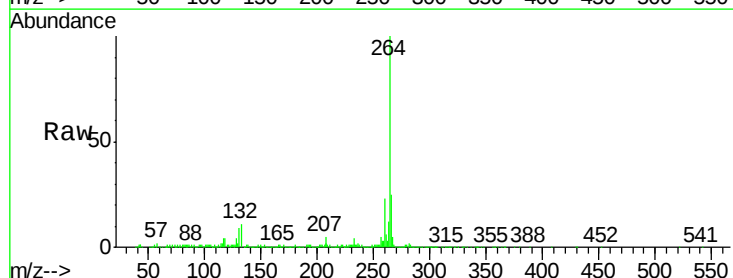
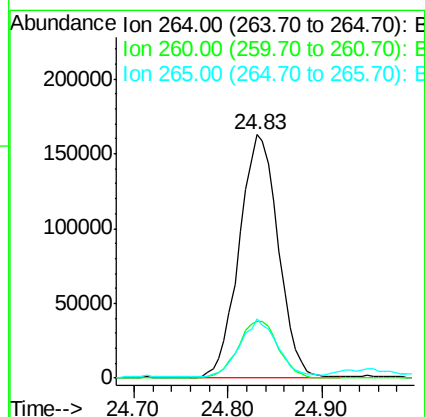
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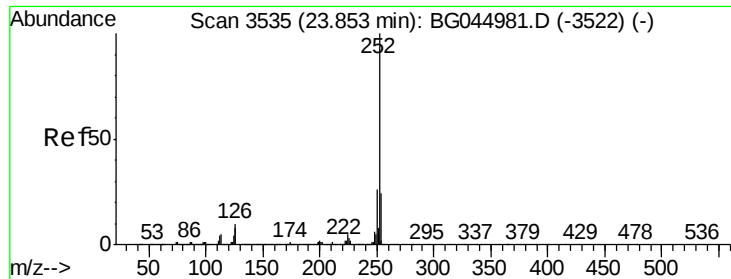
mohammad
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#87
Perylene-d12
Concen: 20.00 ng
RT: 24.83 min Scan# 3701
Delta R.T. -0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	463012		
260	23.1		19.2	28.8
265	24.6		19.0	28.4





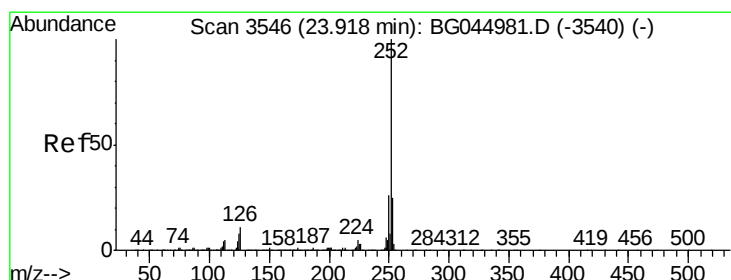
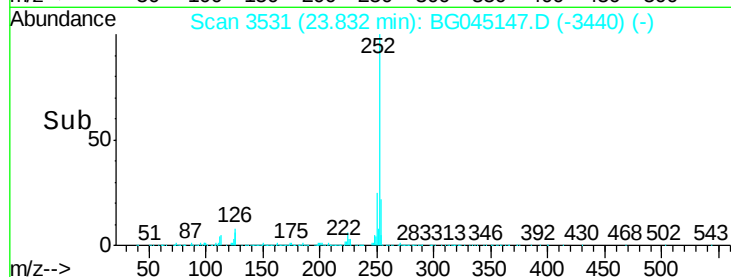
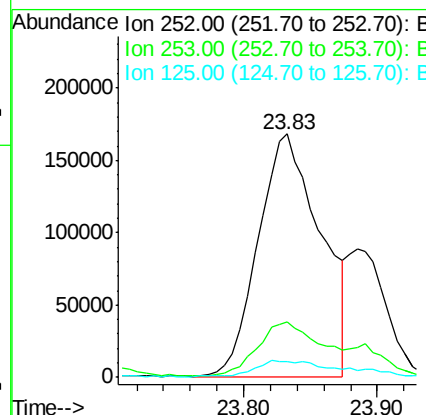
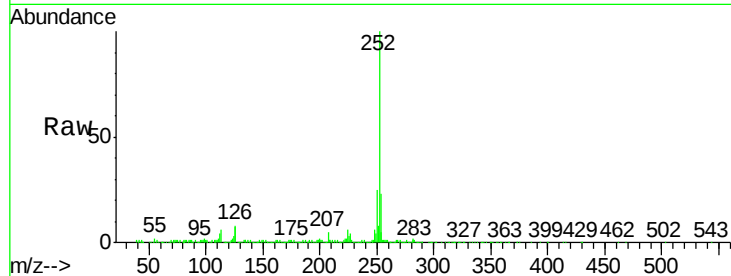
#88
Benzo(b)fluoranthene
Concen: 18.75 ng
RT: 23.83 min Scan# 3531
Delta R.T. 0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Instrument :
BNA_G
ClientSampleId :
TP-19A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.8	28.2
125	6.7	6.2	9.4

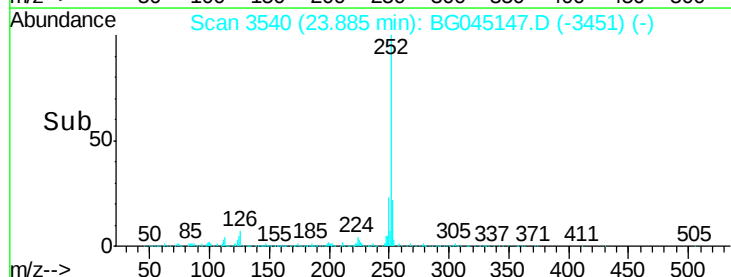
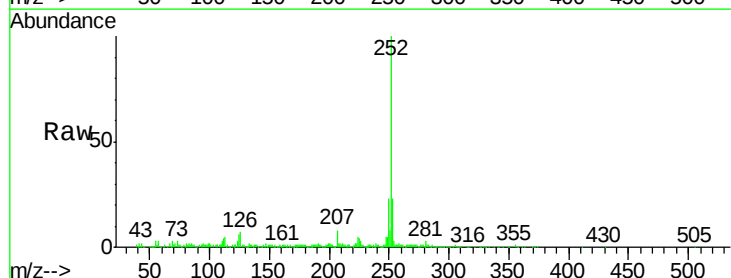
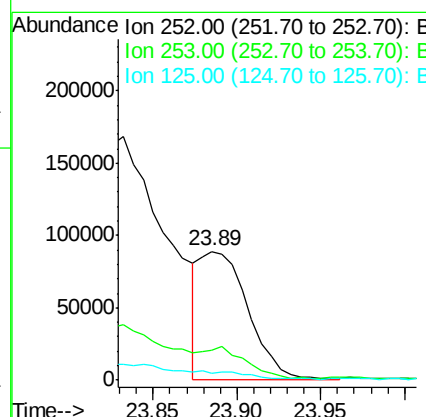
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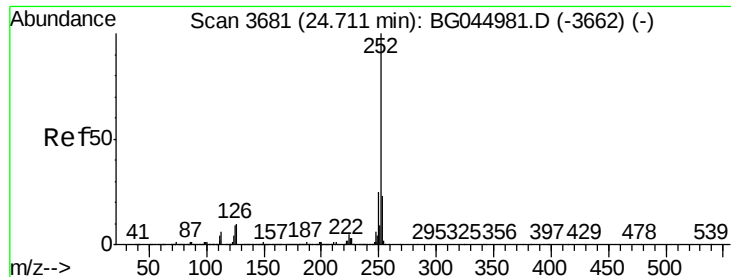
mohammad
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#89
Benzo(k)fluoranthene
Concen: 6.47 ng m
RT: 23.89 min Scan# 3540
Delta R.T. -0.01 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.2	28.8
125	5.8	5.9	8.9#





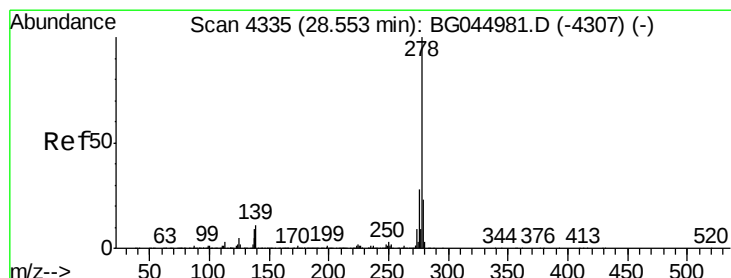
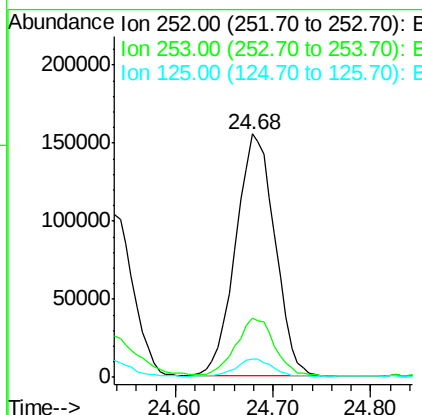
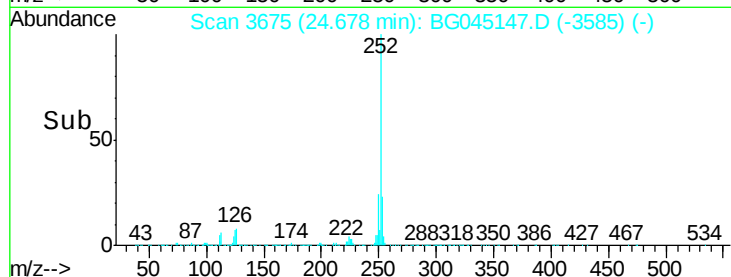
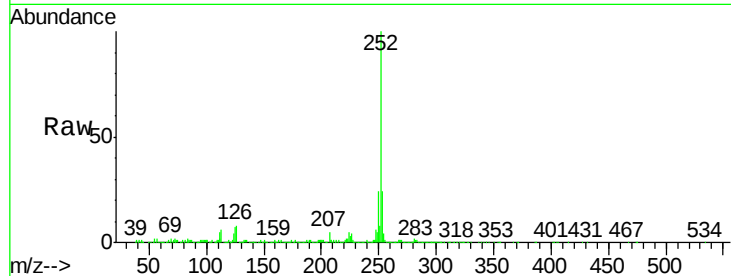
#90
Benzo(a)pyrene
Concen: 15.89 ng
RT: 24.68 min Scan# 3675
Delta R.T. -0.00 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Instrument :
BNA_G
ClientSampleId :
TP-19A

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	435135		
253	24.2	18.3	27.5	
125	7.3	7.0	10.6	

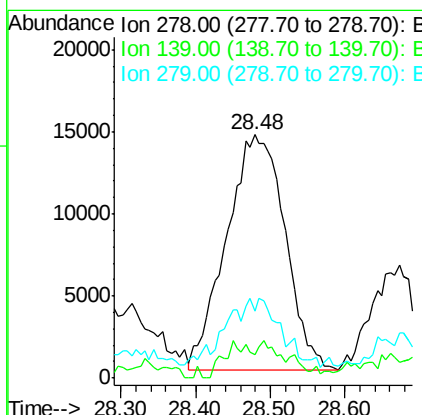
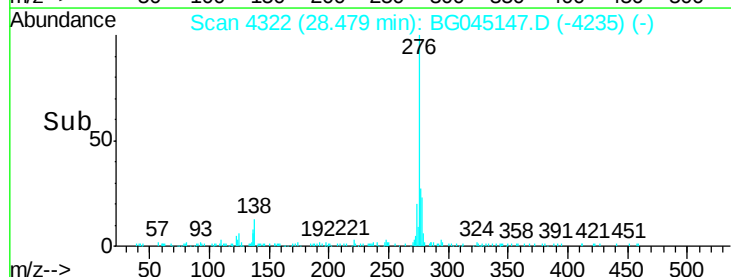
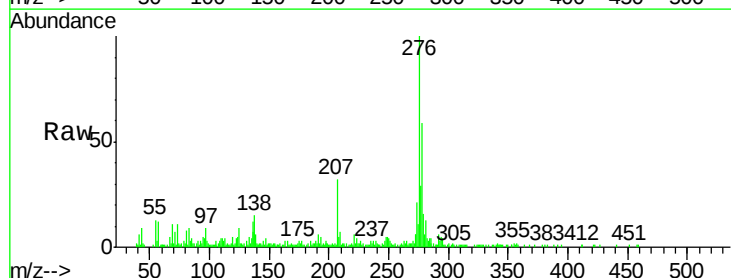
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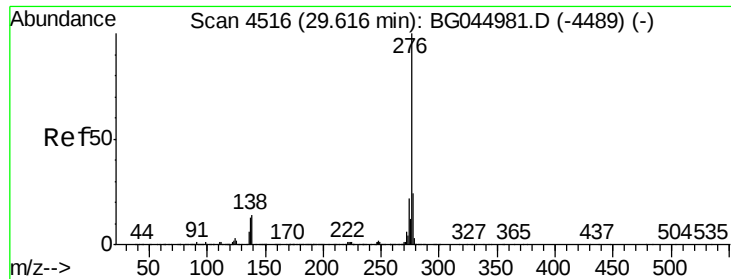
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.83 ng
RT: 28.48 min Scan# 4322
Delta R.T. -0.02 min
Lab File: BG045147.D
Acq: 23 Apr 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	78164		
139	9.6	9.0	13.6	
279	27.5	18.4	27.6	





#92
 Benzo(g,h,i)perylene
 Concen: 11.24 ng
 RT: 29.56 min Scan# 4506
 Delta R.T. -0.00 min
 Lab File: BG045147.D
 Acq: 23 Apr 2020 18:30

Instrument :
 BNA_G
 ClientSampleId :
 TP-19A

Tgt Ion:	276	Resp:	311010
Ion Ratio		Lower	Upper
276	100		
277	23.0	19.3	28.9
138	11.6	11.4	17.2

Manual Integrations
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