

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
 Data File : BG044008.D
 Acq On : 10 Jan 2020 19:20
 Operator : JU
 Sample : L1084-02 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AF-2

Manual Integrations
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mohammad
 1/13/2020 2:21:02 PM

Quant Time: Jan 11 05:33:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	140348	20.00	ng	-0.01
21) Naphthalene-d8	10.75	136	566337	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	333940	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	643029	20.00	ng	-0.01
76) Chrysene-d12	21.57	240	531646	20.00	ng	-0.02
87) Perylene-d12	24.70	264	607429	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	304596	39.85	ng	0.00
7) Phenol-d6	7.12	99	443456	41.50	ng	0.00
23) Nitrobenzene-d5	9.11	82	262844	24.83	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	127013	36.35	ng	-0.02
45) 2-Fluorobiphenyl	13.21	172	607235	32.95	ng	-0.02
79) Terphenyl-d14	19.94	244	766271	25.90	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.37	178	471800	15.297	ng	94
72) Anthracene	17.45	178	101466m	3.329	ng	
75) Fluoranthene	19.38	202	1260600	35.738	ng	98
78) Pyrene	19.73	202	1236852	35.641	ng	97
81) Benzo(a)anthracene	21.56	228	759681	23.044	ng	97
83) Chrysene	21.62	228	792559	25.302	ng	96
84) Bis(2-ethylhexyl)phthalate	21.48	149	71505	3.137	ng	94
86) Indeno(1,2,3-cd)pyrene	28.23	276	682422	16.031	ng	94
88) Benzo(b)fluoranthene	23.71	252	1239245	34.510	ng	99
89) Benzo(k)fluoranthene	23.77	252	454468m	13.309	ng	
90) Benzo(a)pyrene	24.55	252	853403	25.180	ng	100
91) Dibenzo(a,h)anthracene	28.26	278	168813	4.960	ng	96
92) Benzo(a,h,i)perylene	29.33	276	696594	20.603	ng	99

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

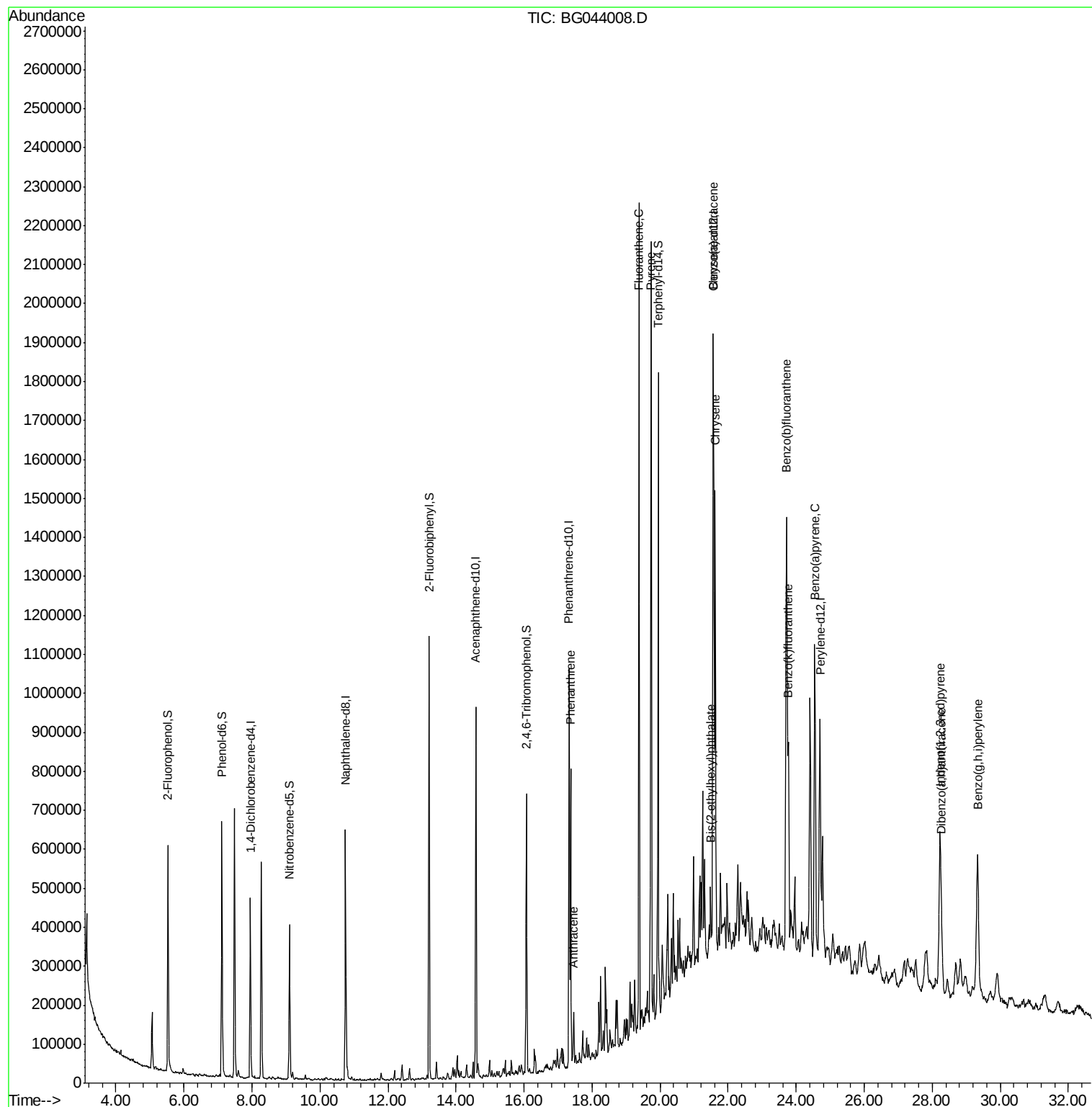
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\
Data File : BG044008.D
Acq On : 10 Jan 2020 19:20
Operator : JU
Sample : L1084-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

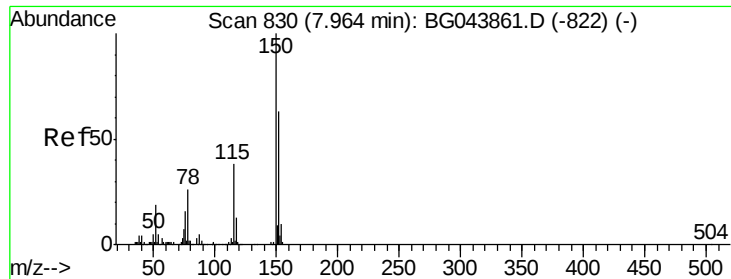
Instrument :
BNA_G
ClientSampled :
AF-2

Quant Time: Jan 11 05:33:52 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

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#1

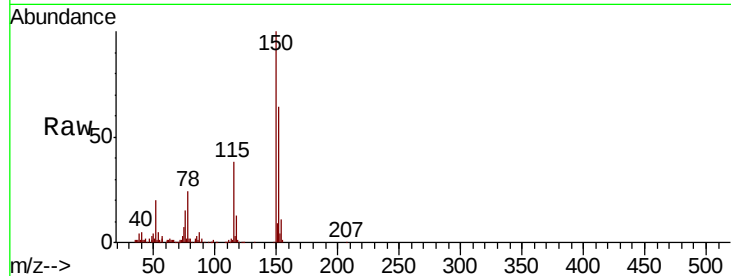
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Instrument :
BNA_G
ClientSampled :
AF-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	127.0	190.4
115	59.6	47.8	71.8

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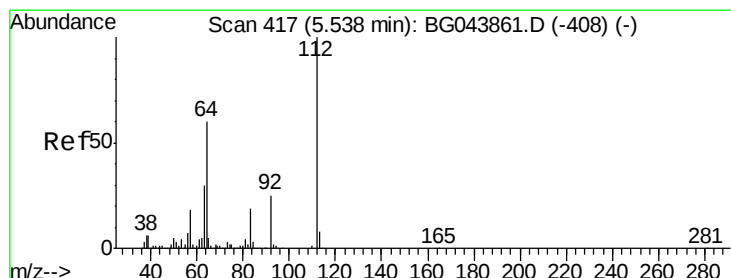
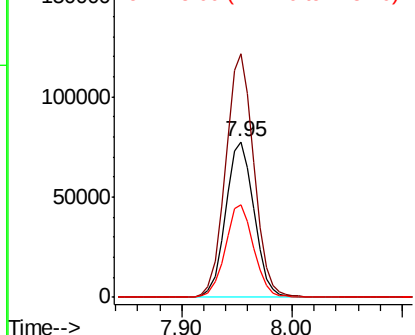
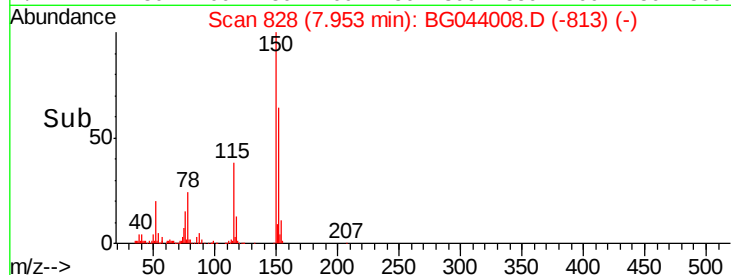


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

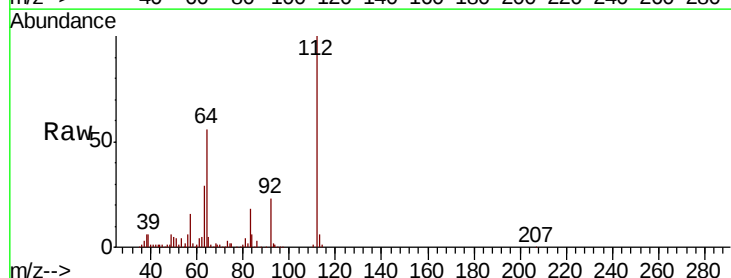
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 39.849 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.8	71.6
63	29.2	24.3	36.5

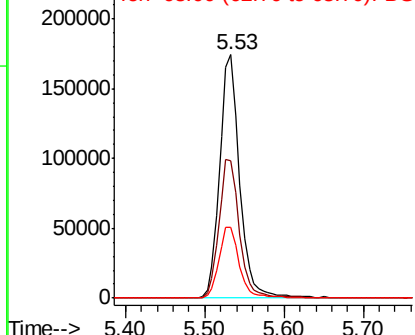
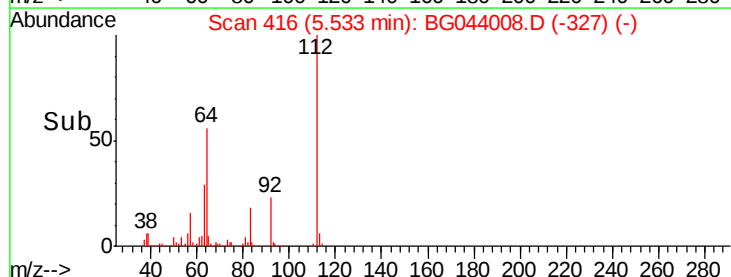


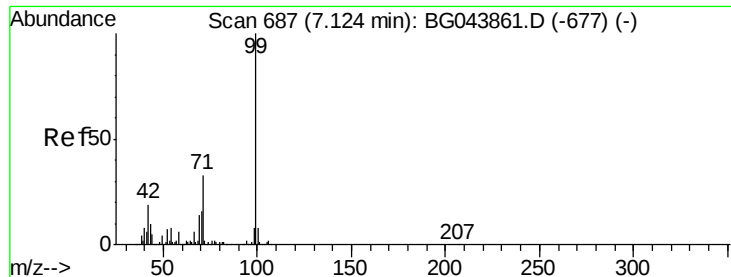
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 41.504 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

Instrument :

BNA_G

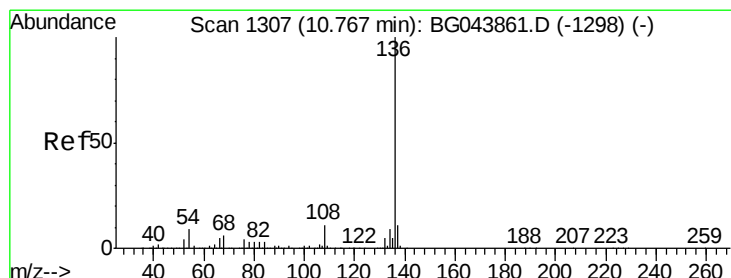
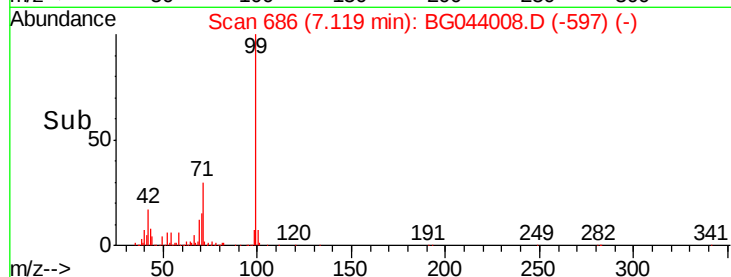
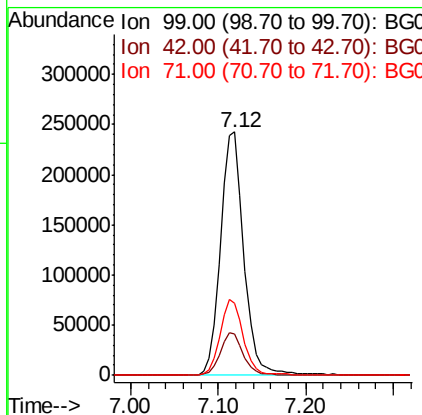
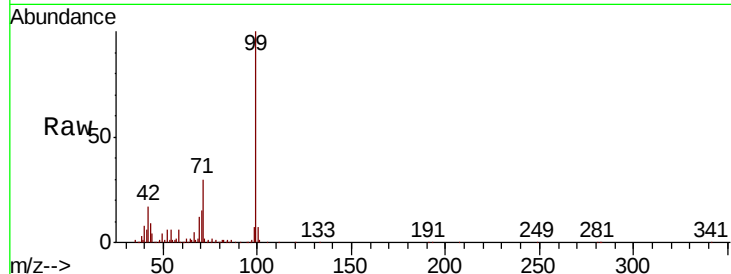
ClientSampleId :

AF-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		443456		
42	16.7	14.9	22.3		
71	29.8	26.4	39.6		

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#21

Naphthalene-d8

Concen: 20.000 ng

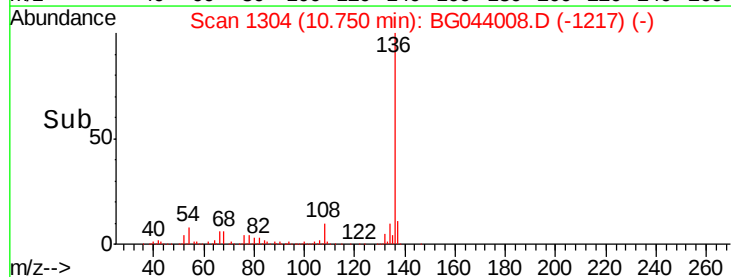
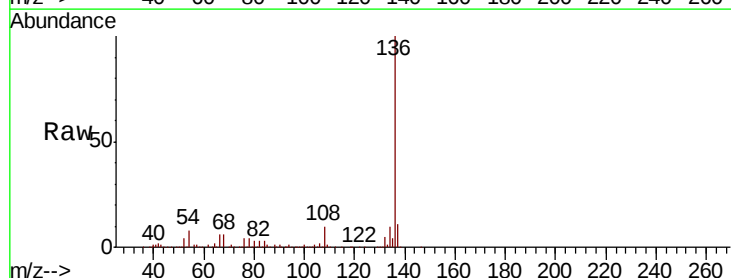
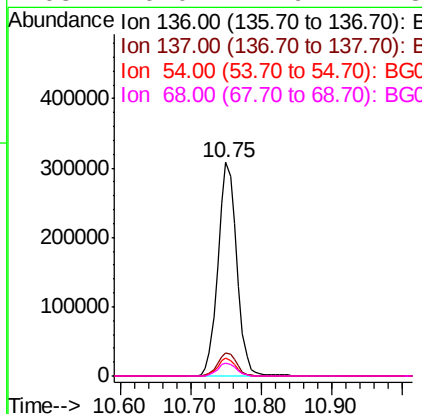
RT: 10.75 min Scan# 1304

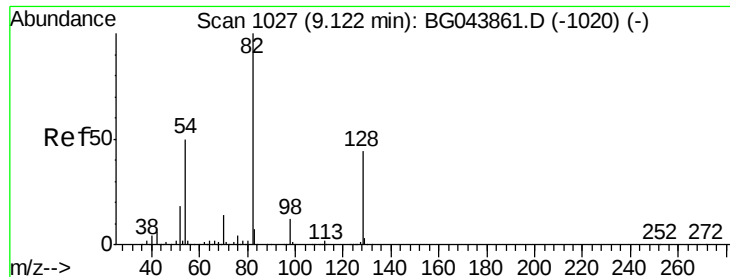
Delta R.T. -0.02 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		566337		
137	10.9	8.8	13.2		
54	8.1	7.0	10.4		
68	6.0	4.9	7.3		





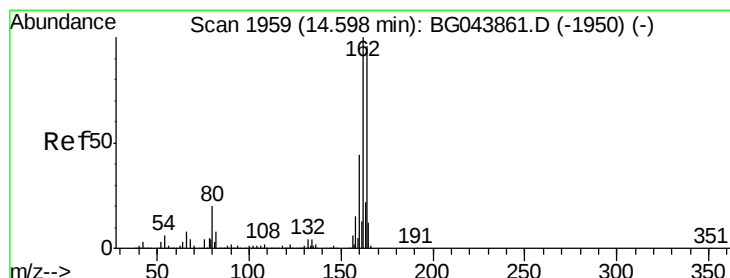
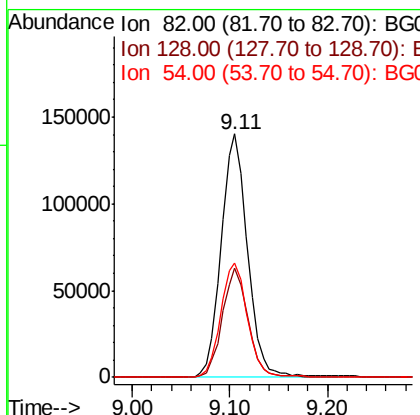
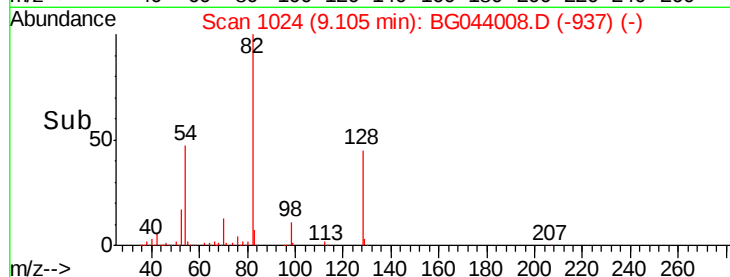
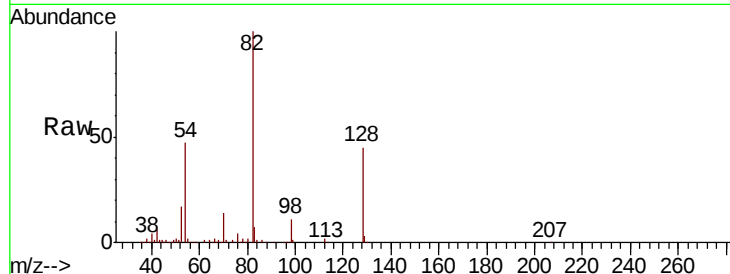
#23
Nitrobenzene-d5
Concen: 24.828 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Instrument :
BNA_G
ClientSampled :
AF-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.1	52.7
54	47.0	40.1	60.1

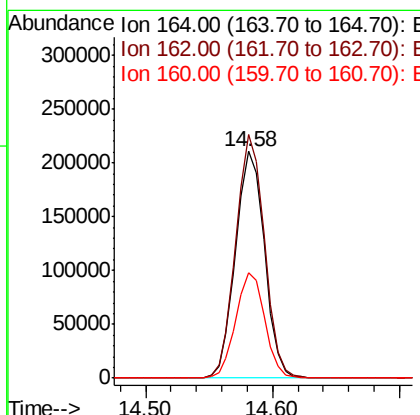
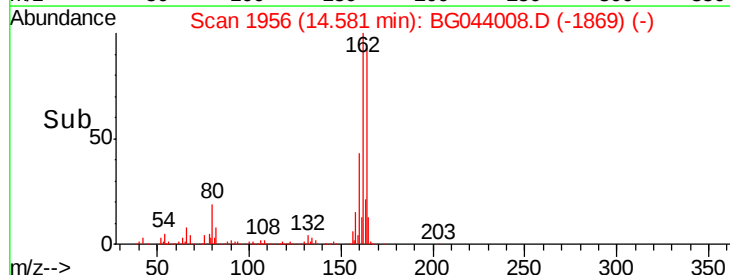
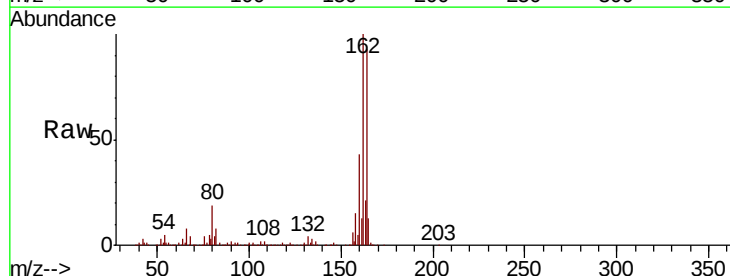
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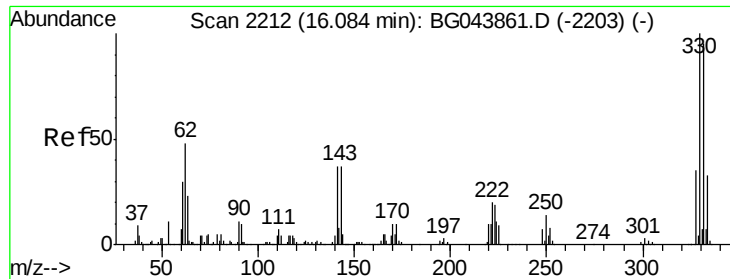
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.4	83.0	124.4
160	46.6	36.1	54.1





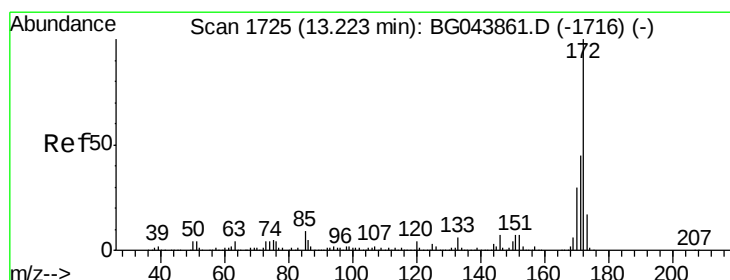
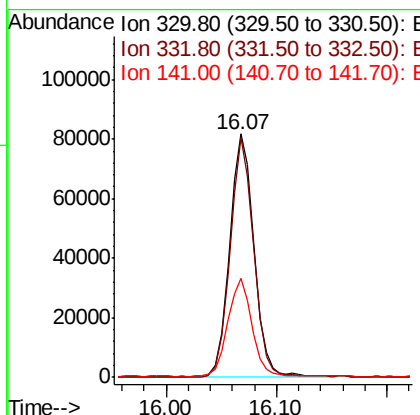
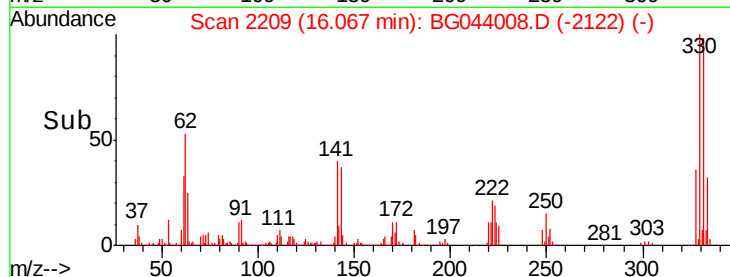
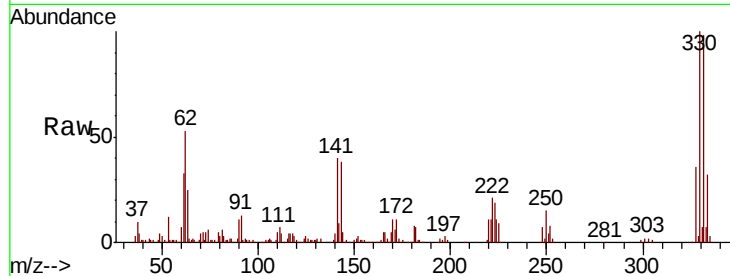
#42
 2,4,6-Tribromophenol
 Concen: 36.345 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.02 min
 Lab File: BG044008.D
 Acq: 10 Jan 2020 19:20

Instrument :
 BNA_G
 ClientSampled :
 AF-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	127013		
332	95.2	77.2	115.8	
141	39.5	33.1	49.7	

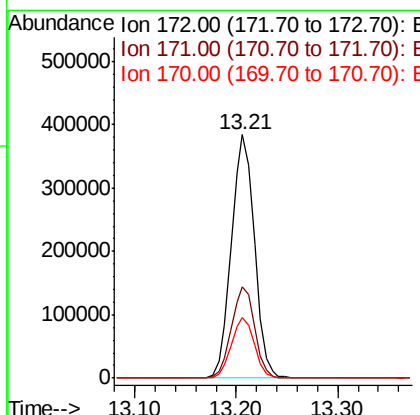
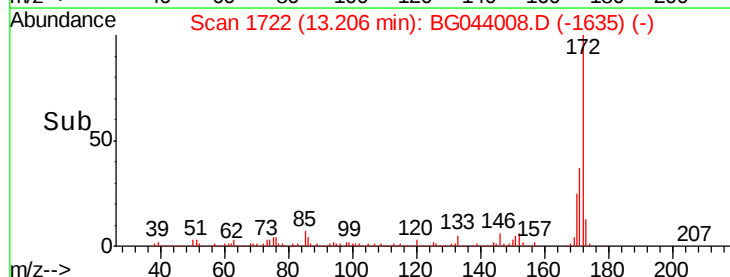
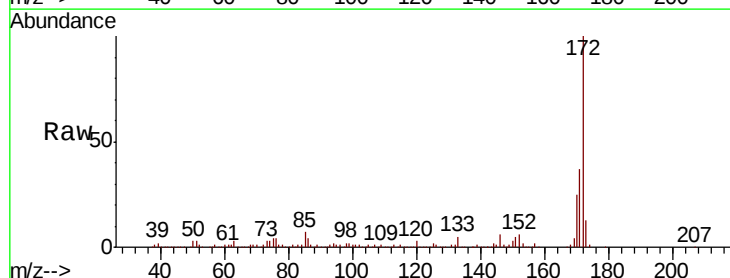
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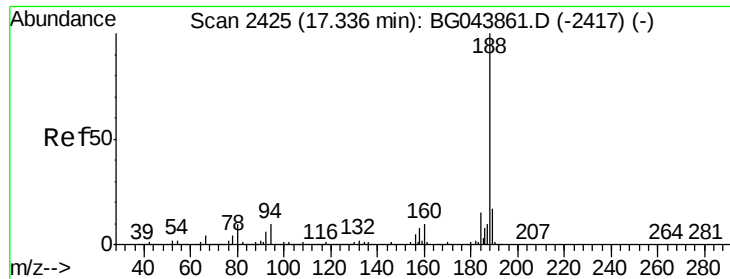
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#45
 2-Fluorobiphenyl
 Concen: 32.945 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.02 min
 Lab File: BG044008.D
 Acq: 10 Jan 2020 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	607235		
171	37.3	35.8	53.8	
170	25.1	24.2	36.4	





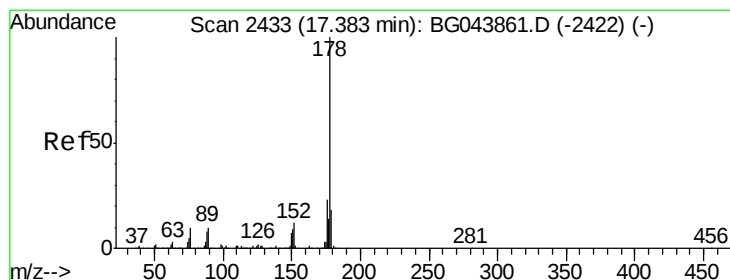
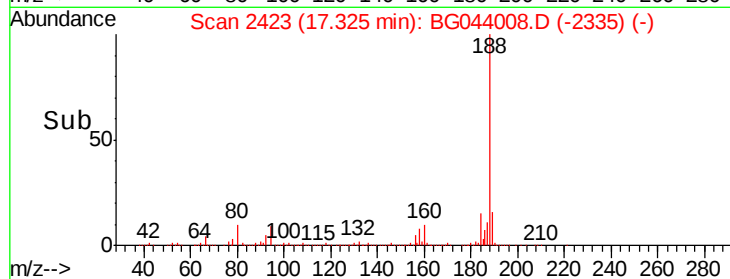
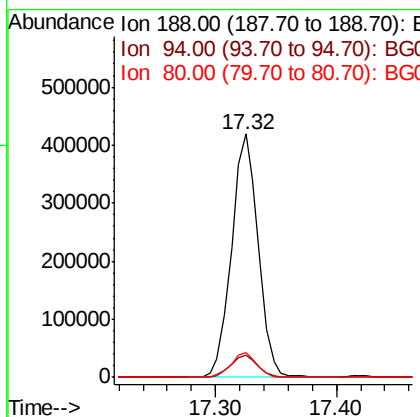
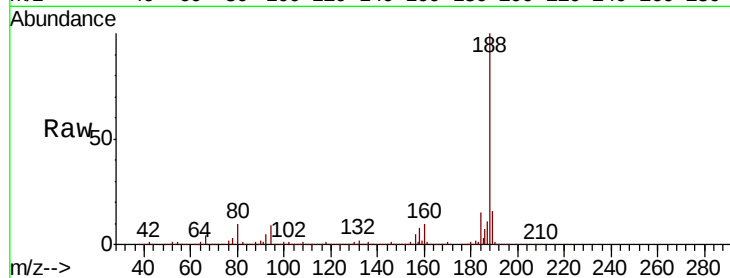
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.32 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Instrument :
BNA_G
ClientSampled :
AF-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	643029		
94	8.9		7.9	11.9
80	10.3		8.2	12.4

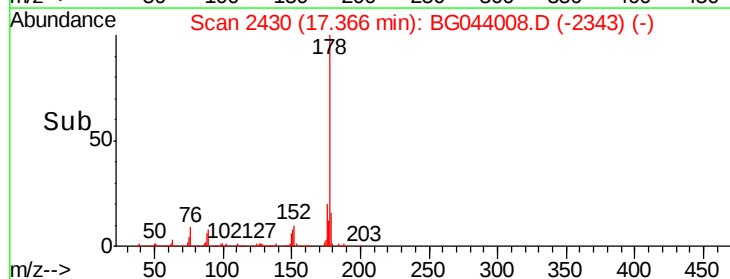
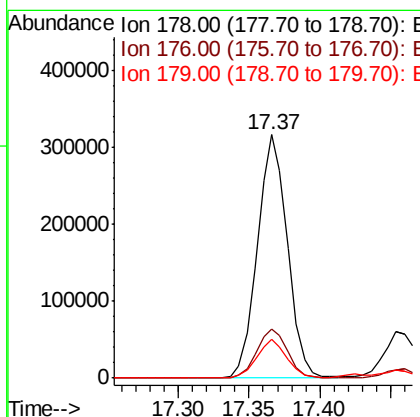
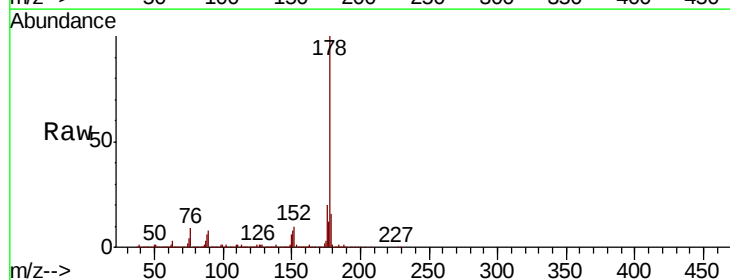
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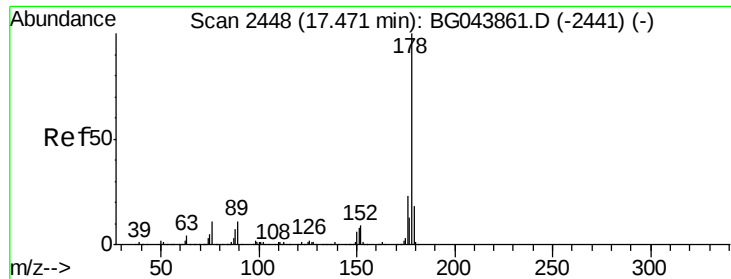
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#71
Phenanthrene
Concen: 15.297 ng
RT: 17.37 min Scan# 2430
Delta R.T. -0.02 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	471800		
176	19.9		18.6	28.0
179	16.2		14.4	21.6





#72

Anthracene

Concen: 3.329 ng/mL

RT: 17.45 min Scan# 2445

Delta R.T. -0.02 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

Instrument :

BNA_G

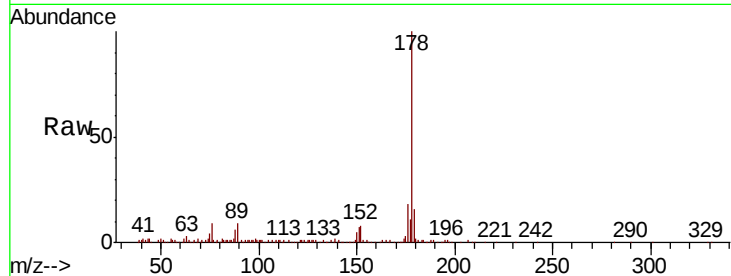
ClientSampleId :

AF-2

Tot Ion:	178	Resp:	101466
Ion Ratio	Lower	Upper	
178	100		
176	17.6	18.3	27.5#
179	16.0	14.6	22.0

Manual Integrations
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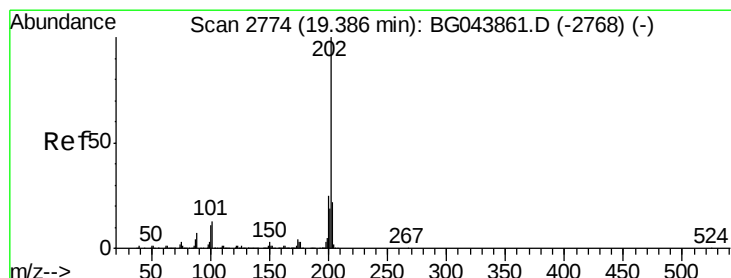
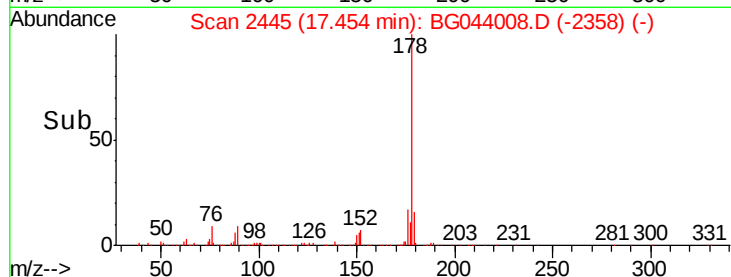
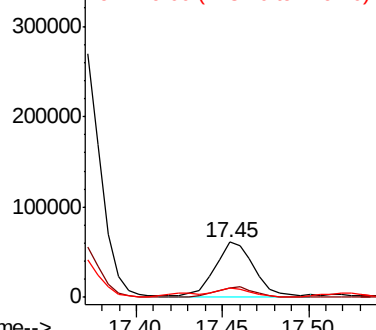


Abundance

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: 35.738 ng/mL

RT: 19.38 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BG044008.D

Acq: 10 Jan 2020 19:20

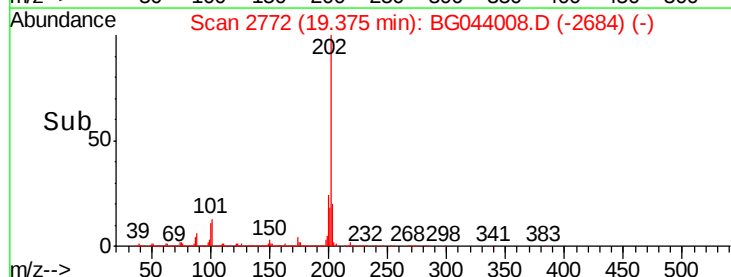
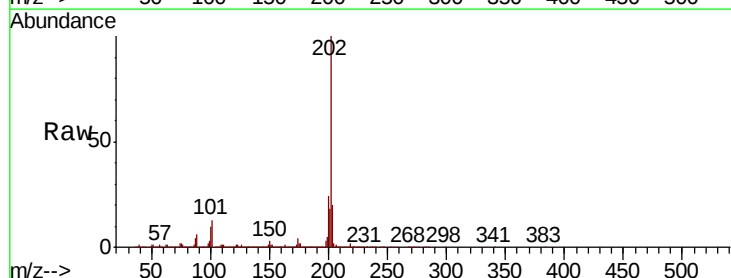
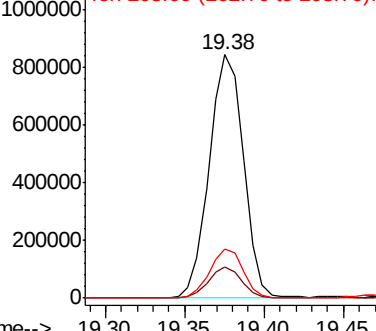
Tgt Ion:	202	Resp:	1260600
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	33.3
203	20.4	1.6	41.6

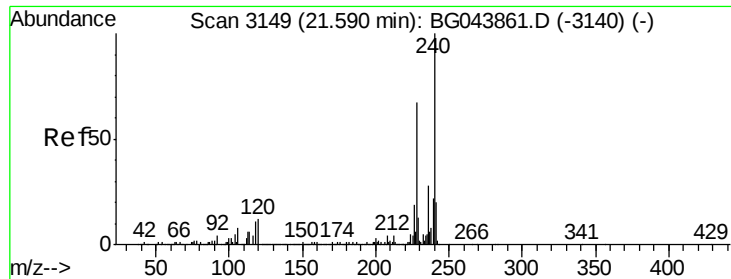
Abundance

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





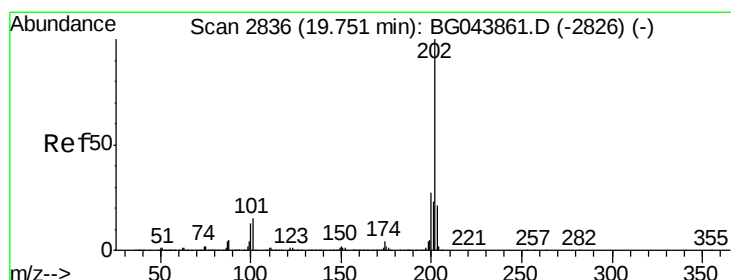
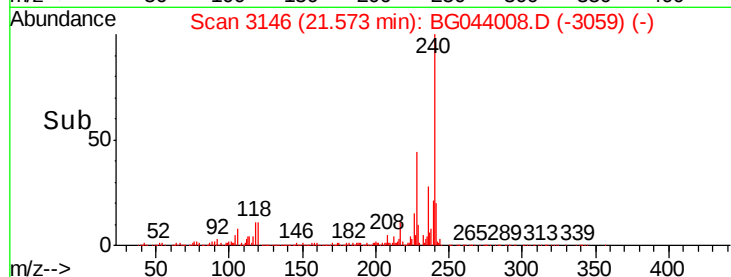
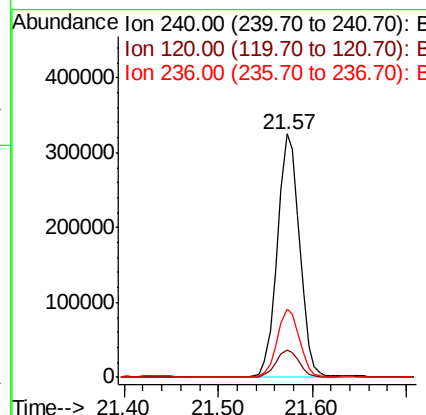
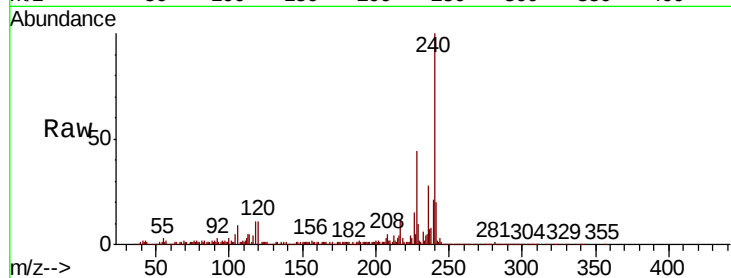
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3146
Delta R.T. -0.02 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Instrument :
BNA_G
ClientSampled :
AF-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.6	14.4
236	28.1	22.2	33.2

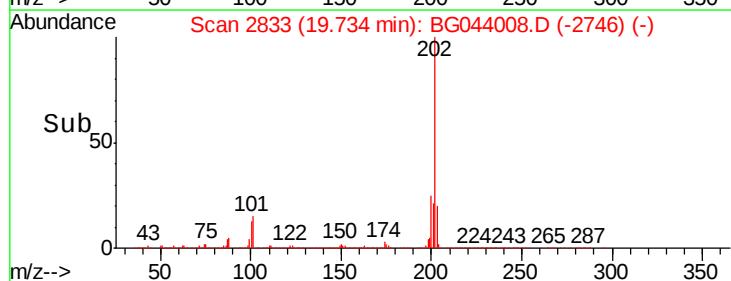
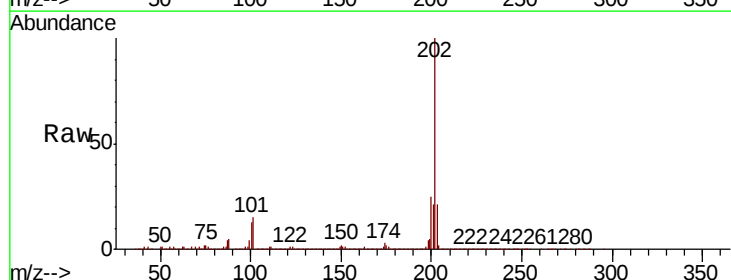
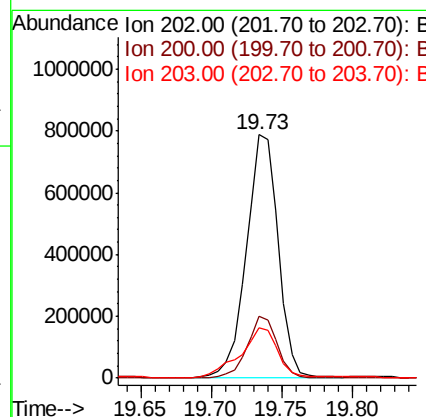
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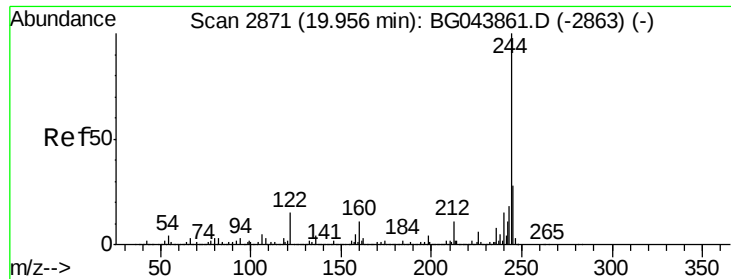
mohammad
1/13/2020 2:21:02 PM



#78
Pyrene
Concen: 35.641 ng
RT: 19.73 min Scan# 2833
Delta R.T. -0.02 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	25.3	21.7	32.5
203	20.5	17.0	25.6





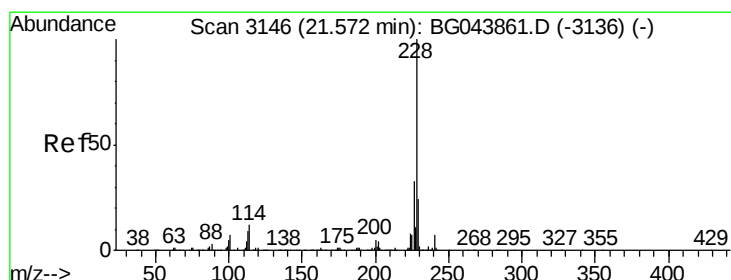
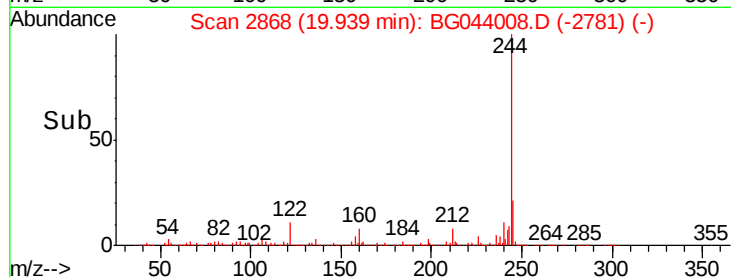
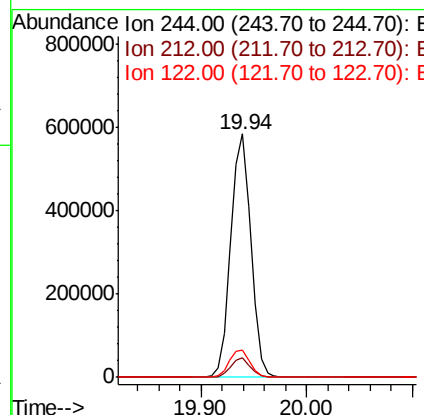
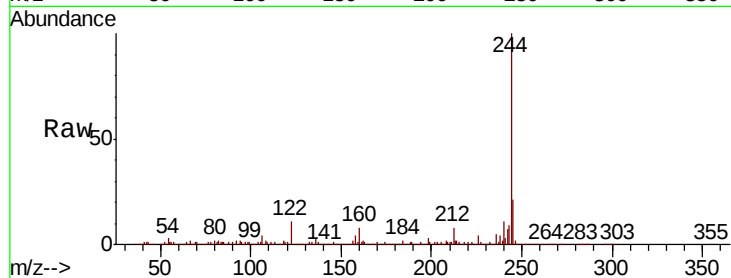
#79
 Terphenyl-d14
 Concen: 25.897 ng
 RT: 19.94 min Scan# 2868
 Delta R.T. -0.02 min
 Lab File: BG044008.D
 Acq: 10 Jan 2020 19:20

Instrument :
 BNA_G
 ClientSampled :
 AF-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	8.6	13.0#
122	11.1	11.9	17.9#

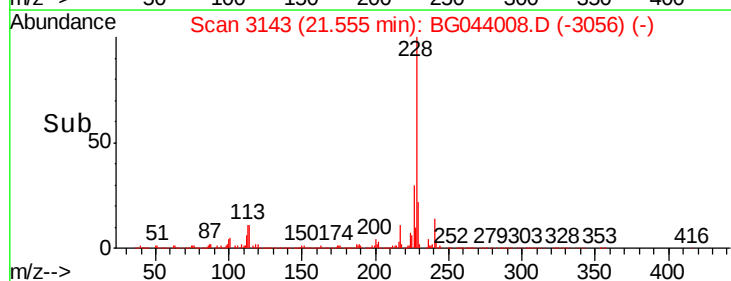
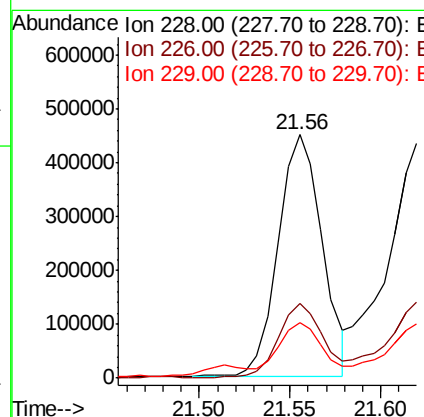
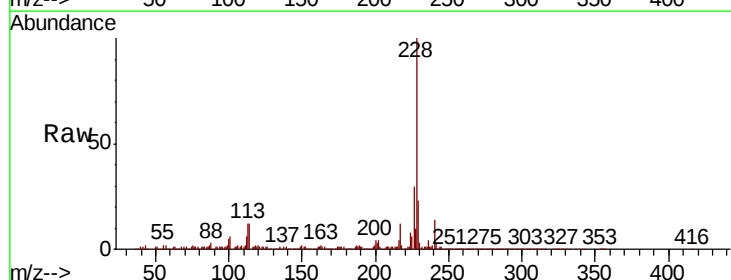
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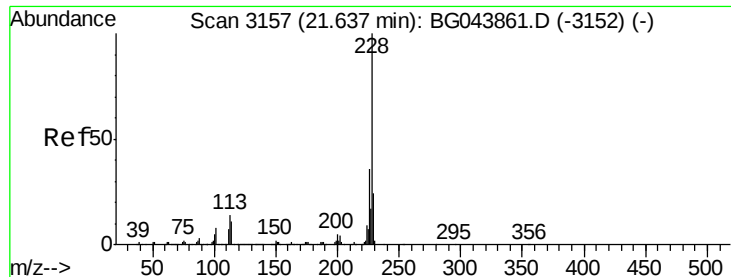
mohammad
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#81
 Benzo(a)anthracene
 Concen: 23.044 ng
 RT: 21.56 min Scan# 3143
 Delta R.T. -0.02 min
 Lab File: BG044008.D
 Acq: 10 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	26.2	39.4
229	22.6	18.9	28.3





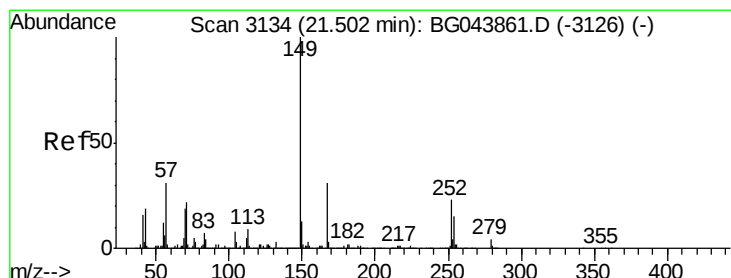
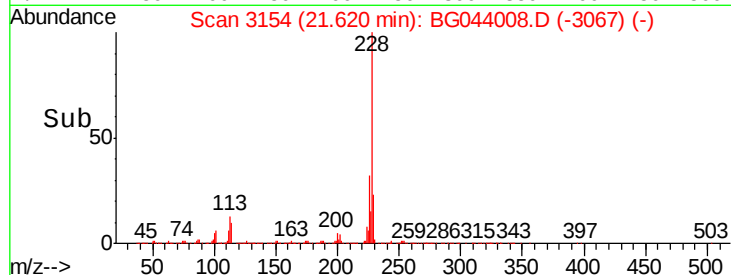
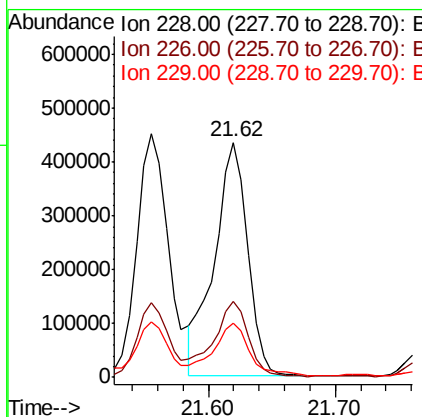
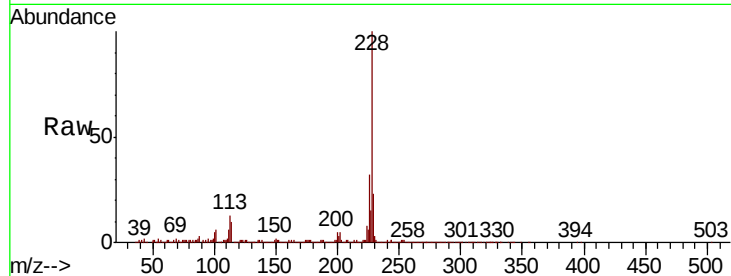
#83
 Chrysene
 Concen: 25.302 ng
 RT: 21.62 min Scan# 3154
 Delta R.T. -0.02 min
 Lab File: BG044008.D
 Acq: 10 Jan 2020 19:20

Instrument :
 BNA_G
 ClientSampleId :
 AF-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	28.8	43.2
229	22.8	19.0	28.6

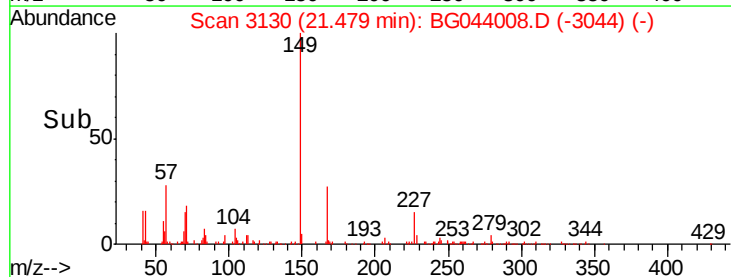
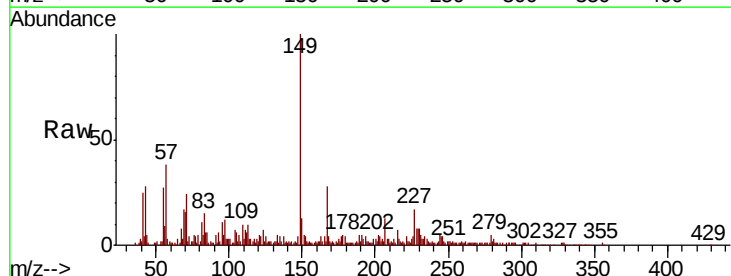
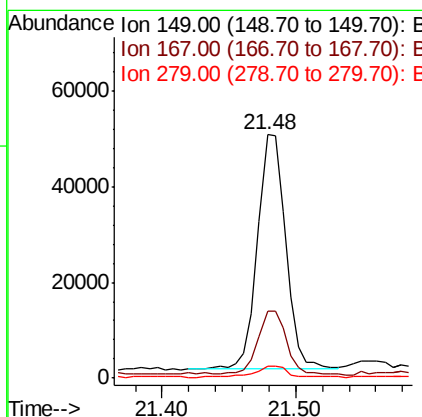
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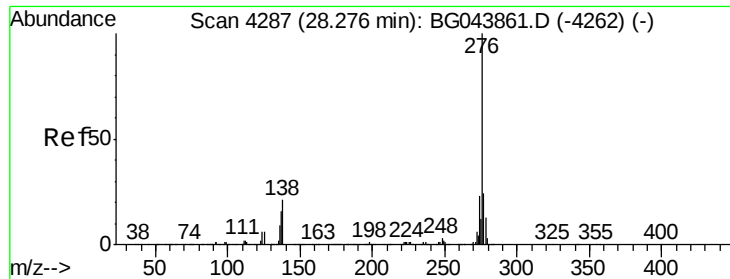
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.137 ng
 RT: 21.48 min Scan# 3130
 Delta R.T. -0.02 min
 Lab File: BG044008.D
 Acq: 10 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	24.7	37.1
279	4.8	3.3	4.9





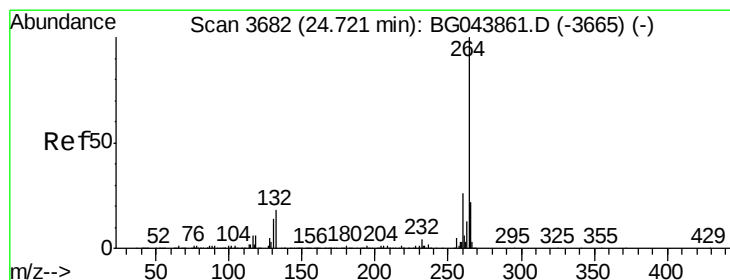
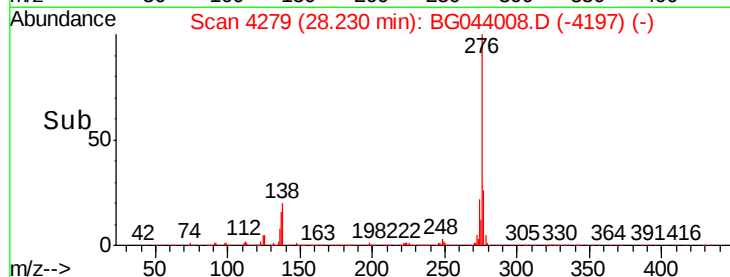
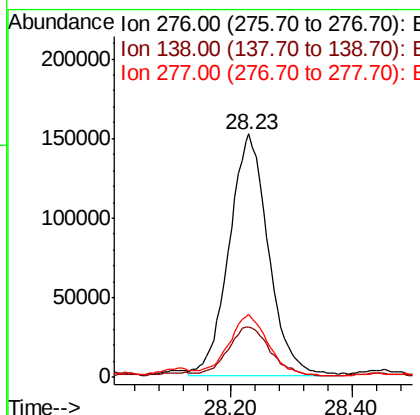
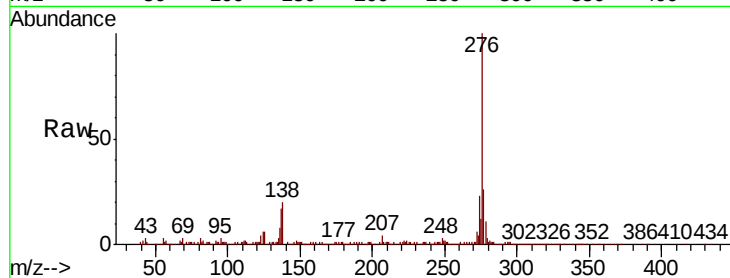
#86
Indeno(1,2,3-cd)pyrene
Concen: 16.031 ng
RT: 28.23 min Scan# 4279
Delta R.T. -0.05 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Instrument :
BNA_G
ClientSampled :
AF-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.6	21.0	31.4
277	25.2	21.1	31.7

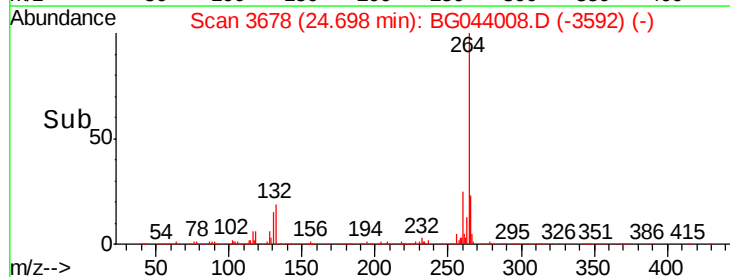
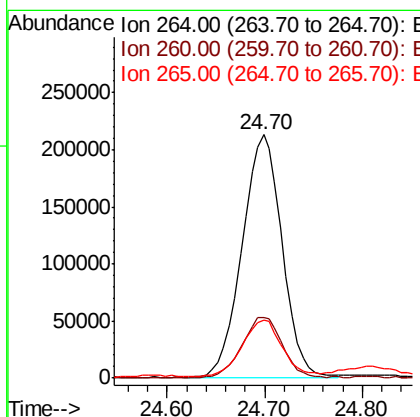
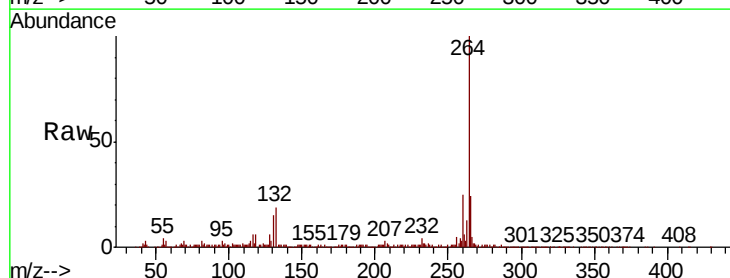
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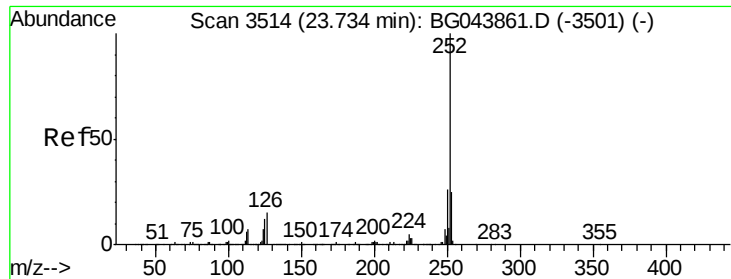
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#87
Perylene-d12
Concen: 20.000 ng
RT: 24.70 min Scan# 3678
Delta R.T. -0.02 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.4	30.6
265	23.7	17.4	26.2





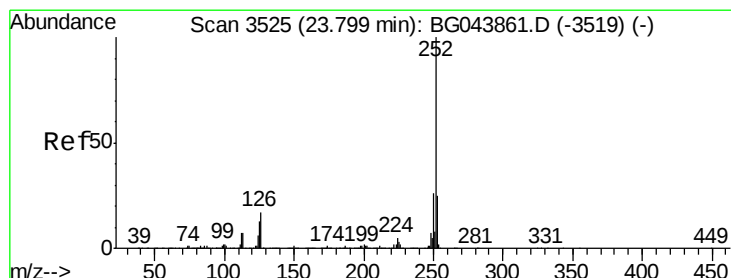
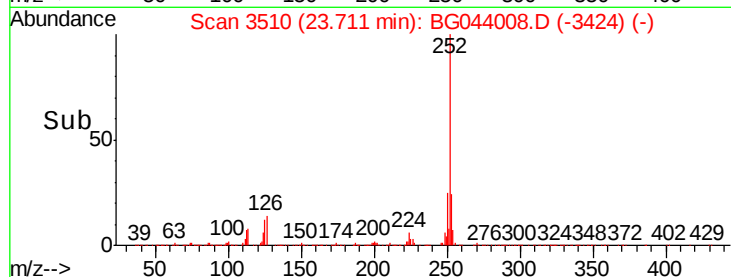
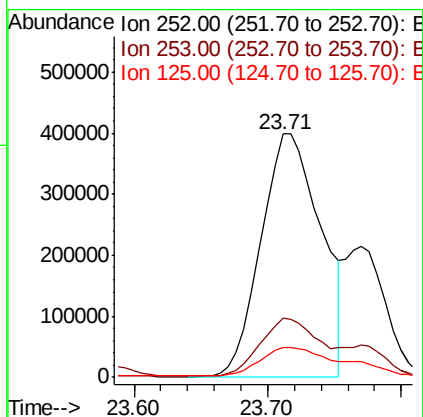
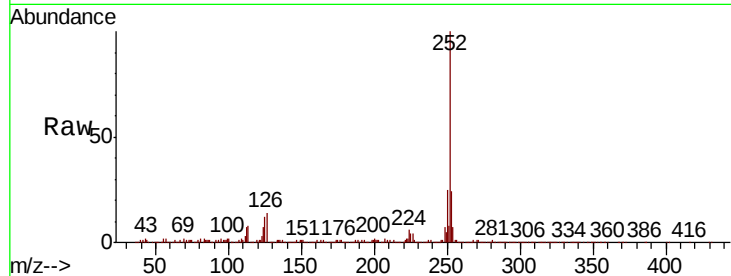
#88
Benzo(b)fluoranthene
Concen: 34.510 ng
RT: 23.71 min Scan# 3510
Delta R.T. -0.02 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Instrument :
BNA_G
ClientSampleId :
AF-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.7	29.5
125	12.4	9.4	14.2

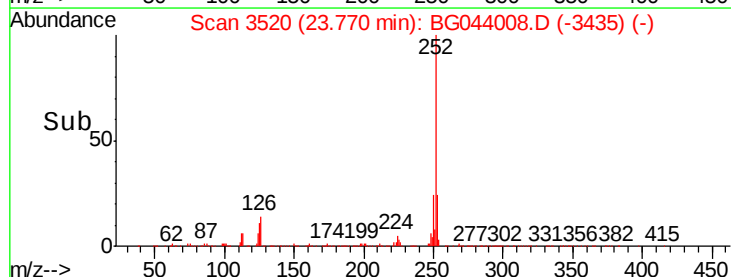
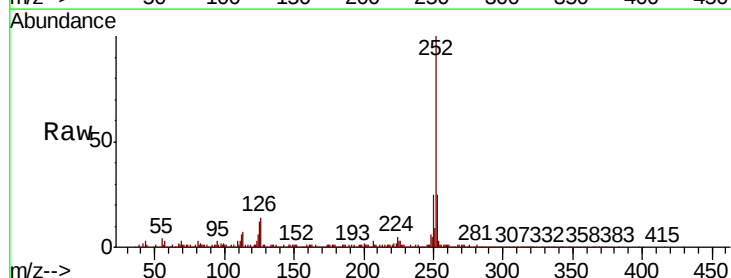
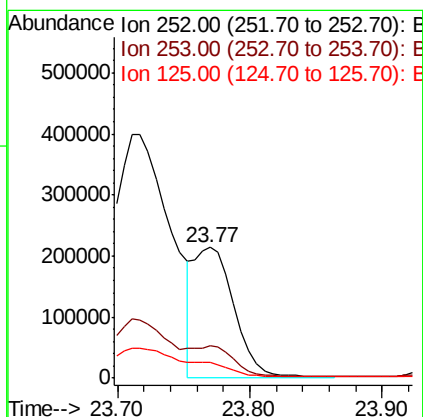
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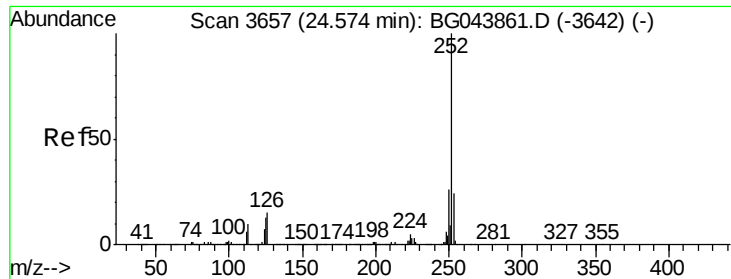
mohammad
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#89
Benzo(k)fluoranthene
Concen: 13.309 ng m
RT: 23.77 min Scan# 3520
Delta R.T. -0.03 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.4	29.2
125	12.1	9.9	14.9





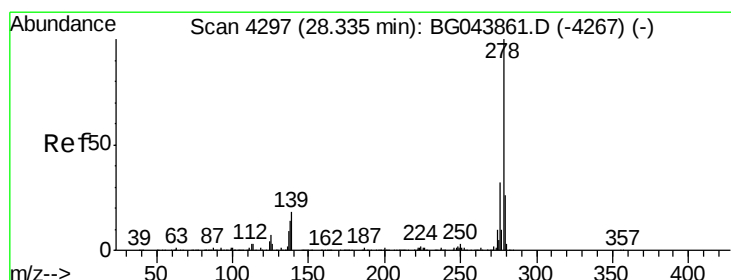
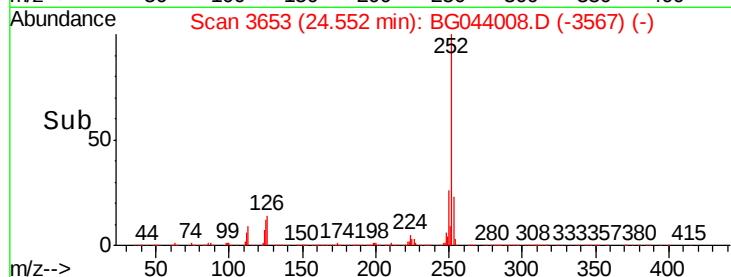
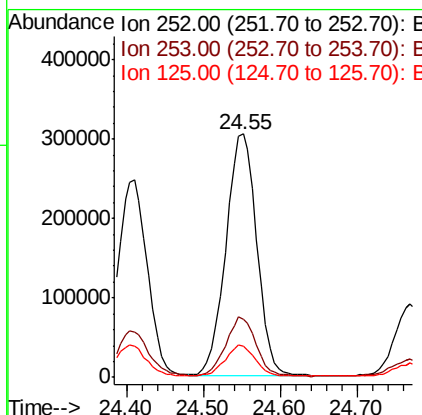
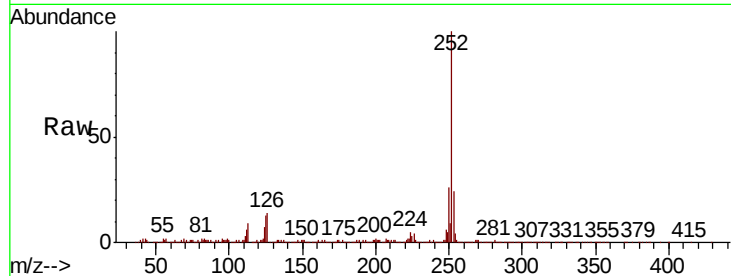
#90
Benzo(a)pyrene
Concen: 25.180 ng
RT: 24.55 min Scan# 3653
Delta R.T. -0.02 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Instrument :
BNA_G
ClientSampleId :
AF-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.3	28.9
125	12.7	10.4	15.6

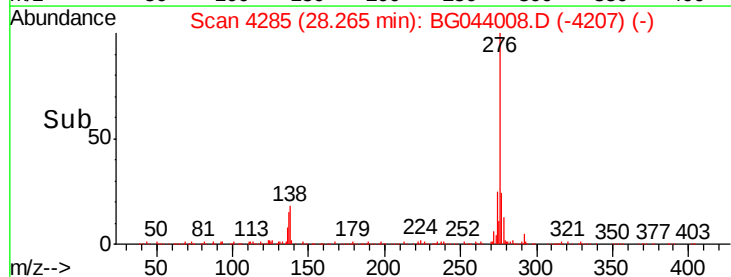
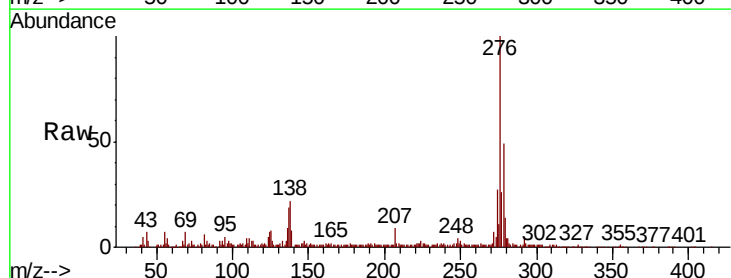
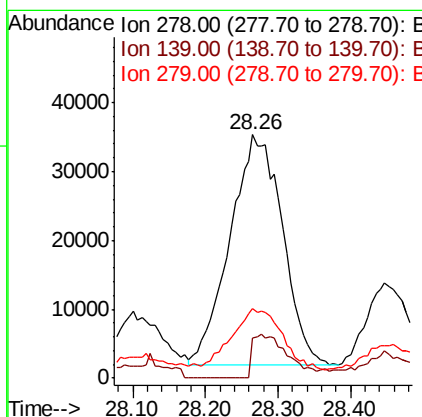
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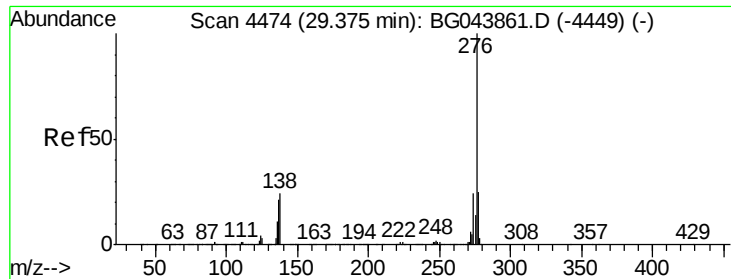
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 4.960 ng
RT: 28.26 min Scan# 4285
Delta R.T. -0.07 min
Lab File: BG044008.D
Acq: 10 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.2	21.4
279	28.6	20.6	30.8





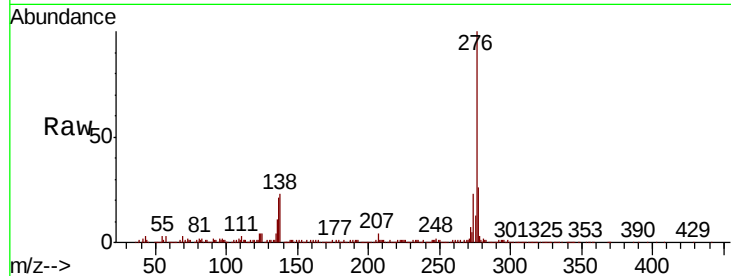
#92
 Benzo(a,h,i)perylene
 Concen: 20.603 ng
 RT: 29.33 min Scan# 4467
 Delta R.T. -0.04 min
 Lab File: BG044008.D
 Acq: 10 Jan 2020 19:20

Instrument :
 BNA_G
 ClientSampleId :
 AF-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	20.2	30.4
138	23.4	19.0	28.6

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

