

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
 Data File : BG043962.D
 Acq On : 7 Jan 2020 20:12
 Operator : JU
 Sample : L1039-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 225-230

Manual Integrations
 APPROVED

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Quant Time: Jan 08 02:57:32 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	7.96	152	174961	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	731132	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	397288	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	670106	20.00	ng	0.00
76) Chrysene-d12	21.60	240	577492	20.00	ng	0.01
87) Perylene-d12	24.73	264	706336	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	810454	85.05	ng	0.00
7) Phenol-d6	7.13	99	1128435	84.72	ng	0.00
23) Nitrobenzene-d5	9.12	82	689556	50.45	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	300035	72.17	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1345475	61.36	ng	0.00
79) Terphenyl-d14	19.96	244	1383808	51.03	ng	0.00

Target Compounds				Qvalue		
50) Dimethylphthalate	14.05	163	90970	3.225	ng	# 91
71) Phenanthrene	17.39	178	694903	21.620	ng	# 94
72) Anthracene	17.48	178	147649	4.648	ng	# 82
74) Di-n-butylphthalate	18.31	149	83133	2.219	ng	# 52
75) Fluoranthene	19.40	202	694203	18.885	ng	99
78) Pyrene	19.76	202	734362	19.482	ng	97
81) Benzo(a)anthracene	21.58	228	360156	10.058	ng	97
83) Chrysene	21.64	228	307231	9.030	ng	96
86) Indeno(1,2,3-cd)pyrene	28.28	276	147688	3.194	ng	# 84
88) Benzo(b)fluoranthene	23.75	252	365720	8.758	ng	# 94
89) Benzo(k)fluoranthene	23.79	252	122731m	3.091	ng	
90) Benzo(a)pyrene	24.59	252	270718	6.869	ng	# 96
92) Benzo(a,h,i)perylene	29.38	276	141157	3.590	ng	97

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

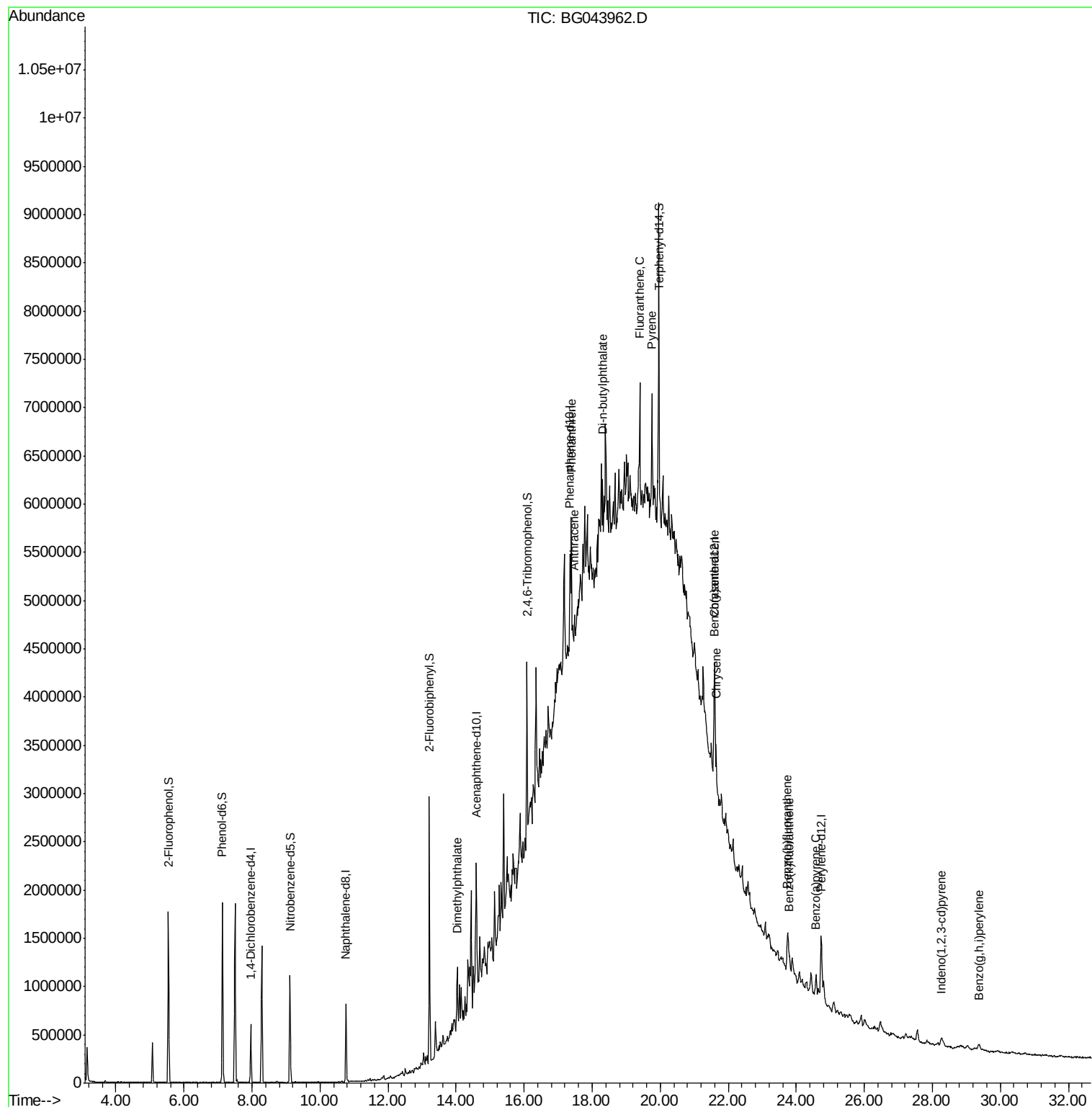
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
Data File : BG043962.D
Acq On : 7 Jan 2020 20:12
Operator : JU
Sample : L1039-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

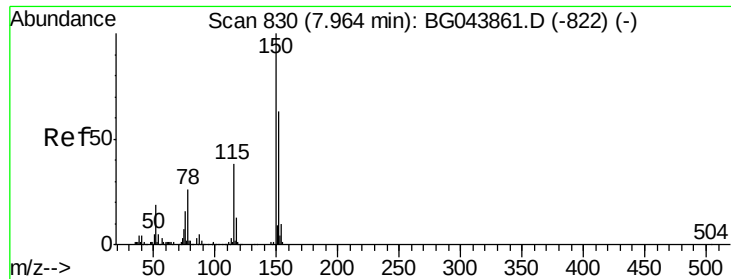
Instrument :
BNA_G
ClientSampleId :
225-230

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Quant Time: Jan 08 02:57:32 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





#1

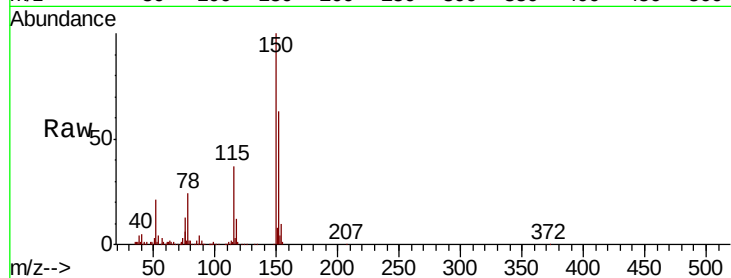
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Instrument :
BNA_G
ClientSampleId :
225-230

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	127.0	190.4
115	59.1	47.8	71.8

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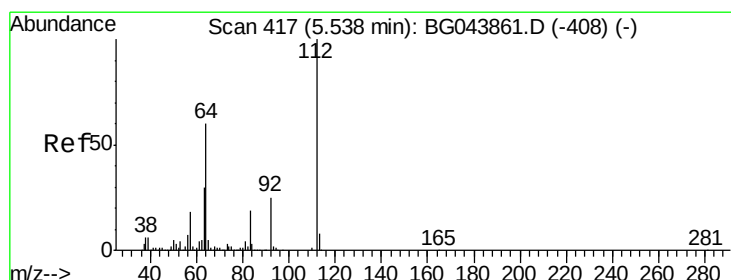
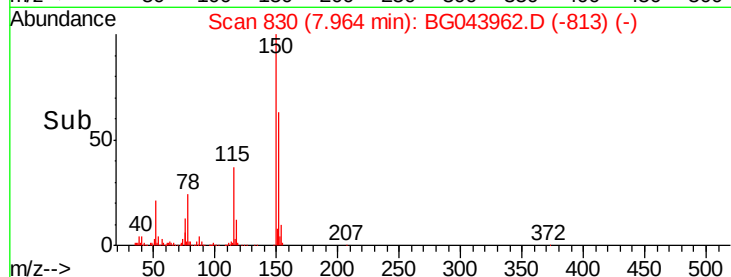
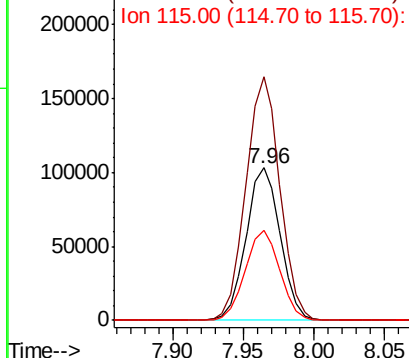


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

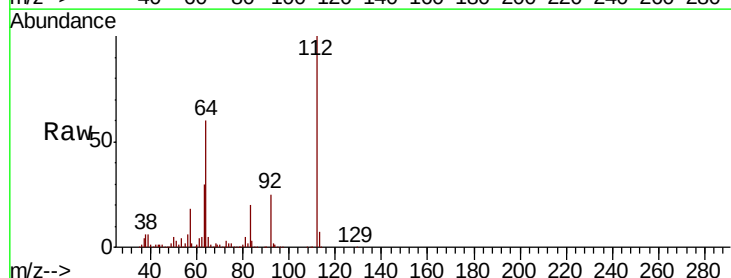
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 85.053 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.01 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.8	71.6
63	30.4	24.3	36.5

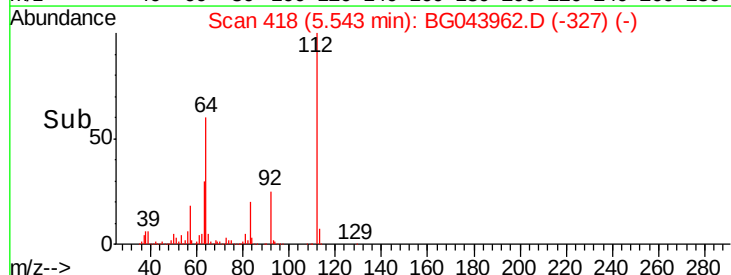
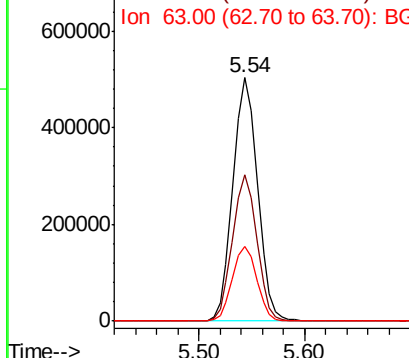


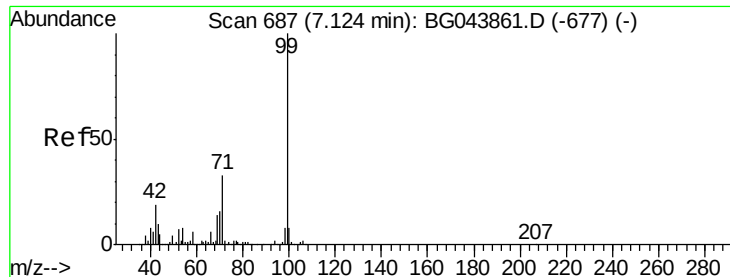
Abundance

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: 84.720 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Instrument :

BNA_G

ClientSampleId :

225-230

Tot Ion: 99 Resp: 1128435

Ion Ratio Lower Upper

99 100

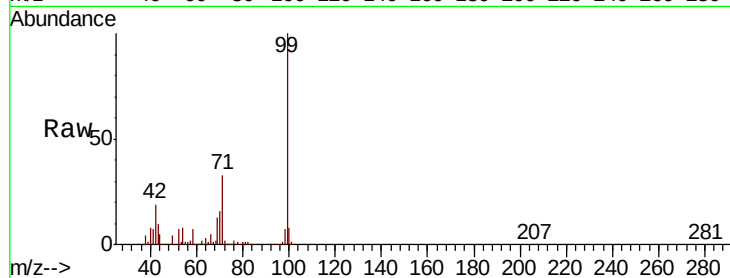
42 19.1 14.9 22.3

71 33.3 26.4 39.6

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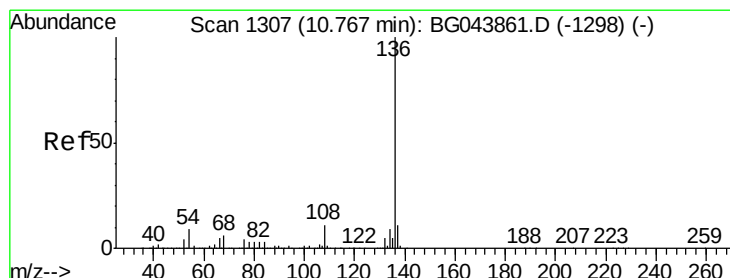
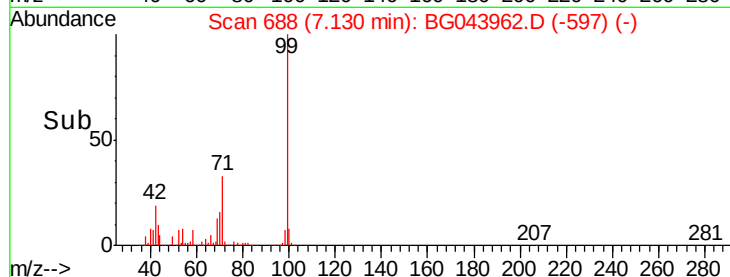
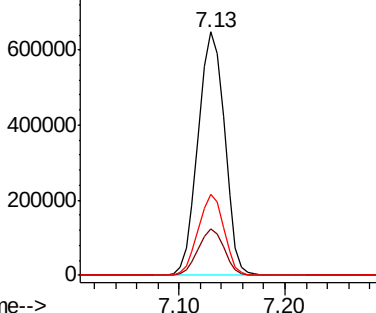


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.76 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Tgt Ion: 136 Resp: 731132

Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 8.5 7.0 10.4

68 6.0 4.9 7.3

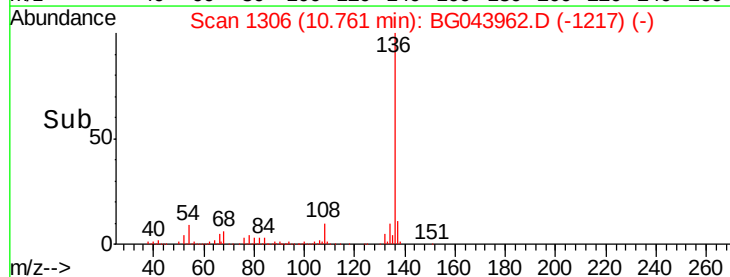
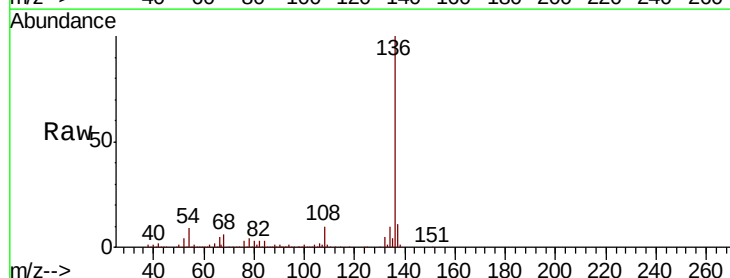
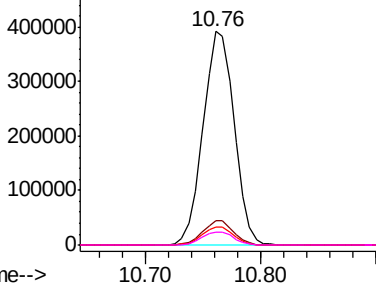
Abundance

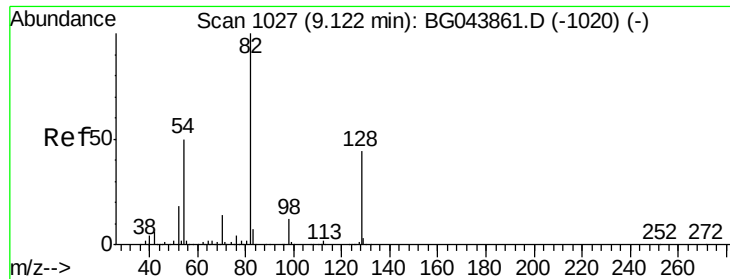
Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





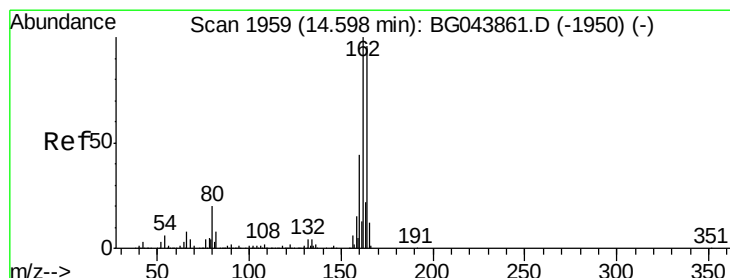
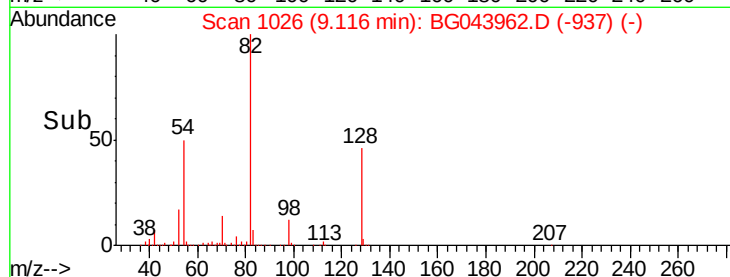
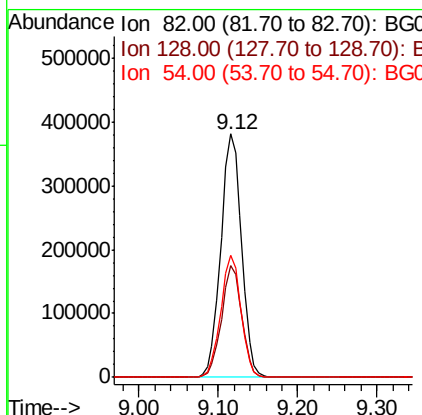
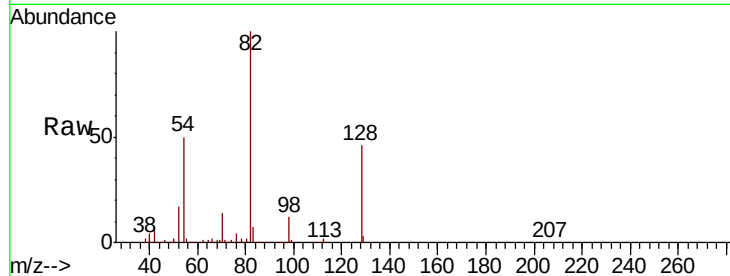
#23
Nitrobenzene-d5
Concen: 50.454 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Instrument :
BNA_G
ClientSampled :
225-230

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	35.1	52.7
54	50.0	40.1	60.1

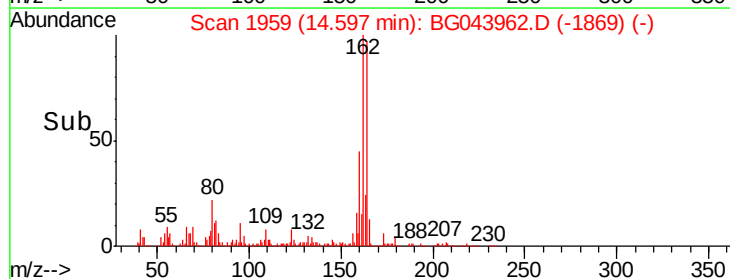
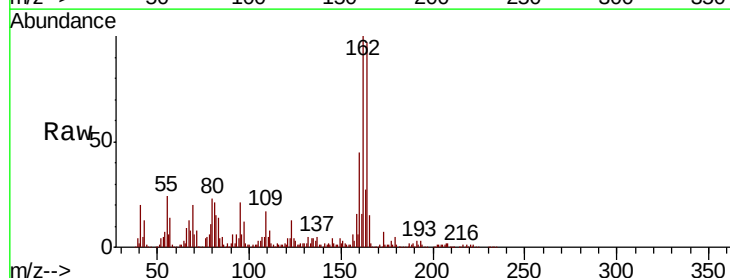
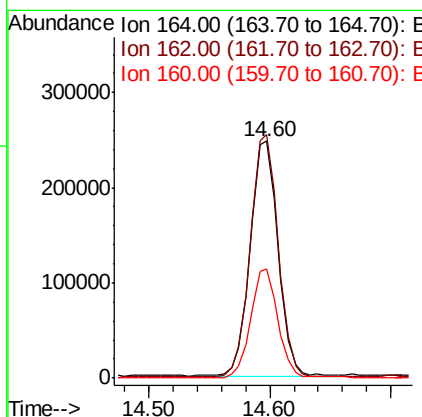
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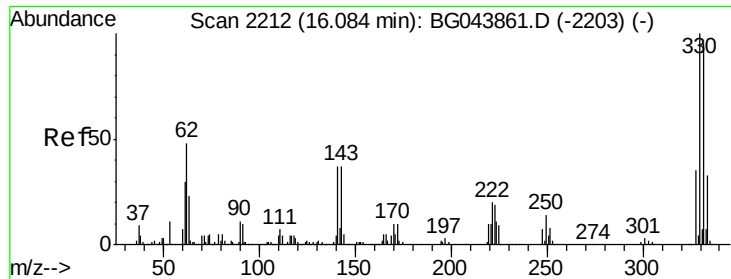
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1959
Delta R.T. -0.00 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	83.0	124.4
160	45.9	36.1	54.1





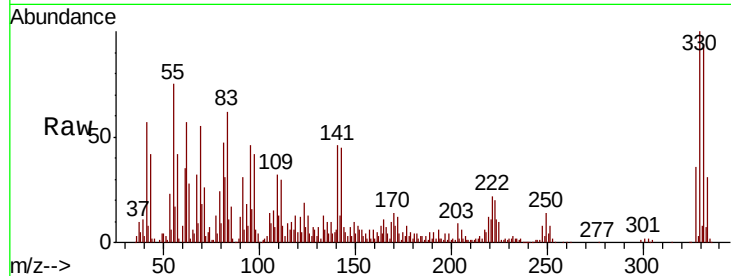
#42
 2,4,6-Tribromophenol
 Concen: 72.166 ng
 RT: 16.08 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: BG043962.D
 Acq: 7 Jan 2020 20:12

Instrument :
 BNA_G
 ClientSampled :
 225-230

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	77.2	115.8	
141	39.7	33.1	49.7	

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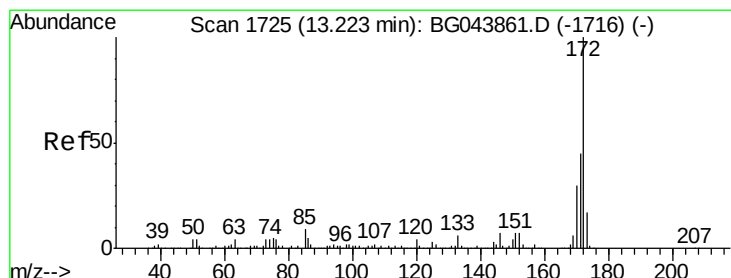
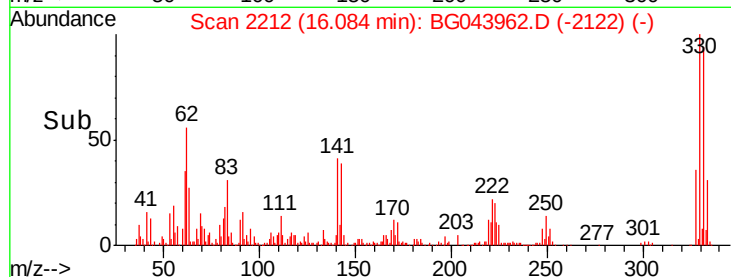
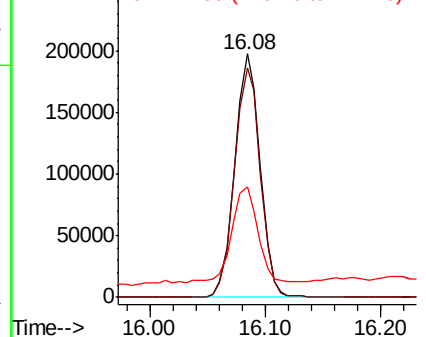


Abundance

Ion 329.80 (329.50 to 330.50): E

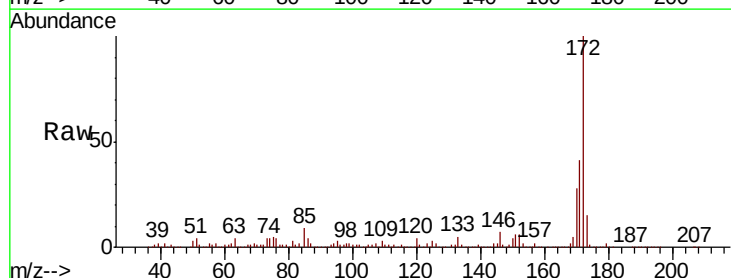
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 61.358 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BG043962.D
 Acq: 7 Jan 2020 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	41.1	35.8	53.8	
170	28.1	24.2	36.4	

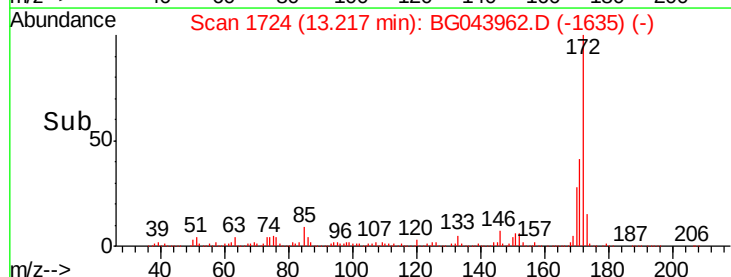
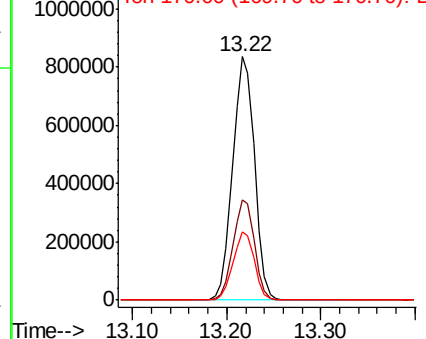


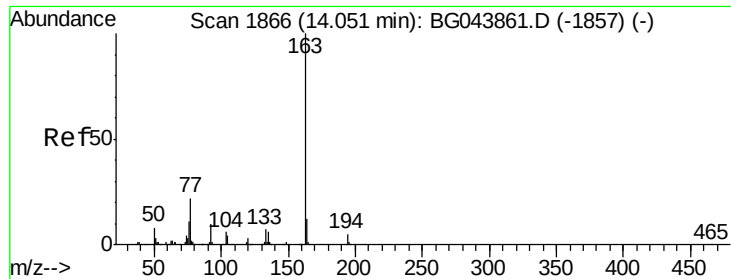
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





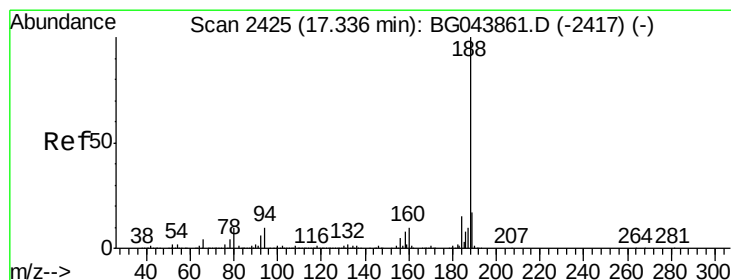
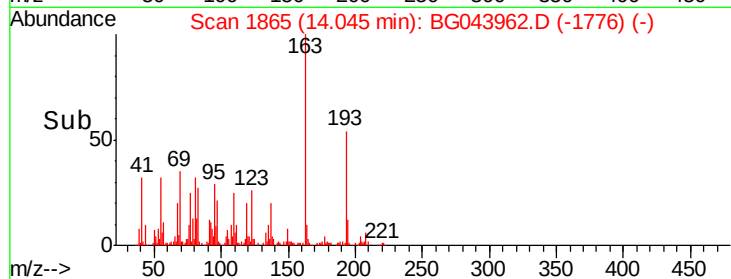
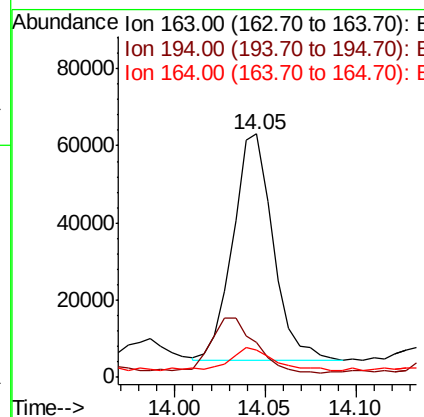
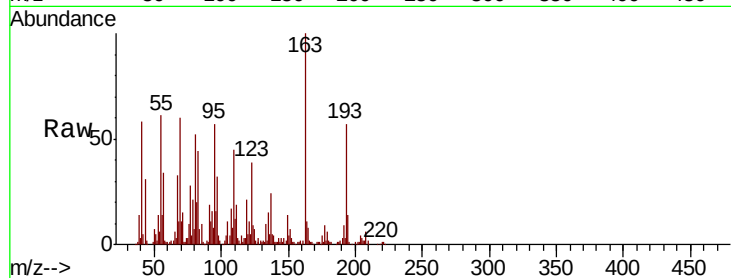
#50
Dimethylphthalate
Concen: 3.225 ng
RT: 14.05 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Instrument :
BNA_G
ClientSampleId :
225-230

Tot Ion	Ratio	Lower	Upper
163	100		
194	14.1	3.7	5.5#
164	11.0	9.3	13.9

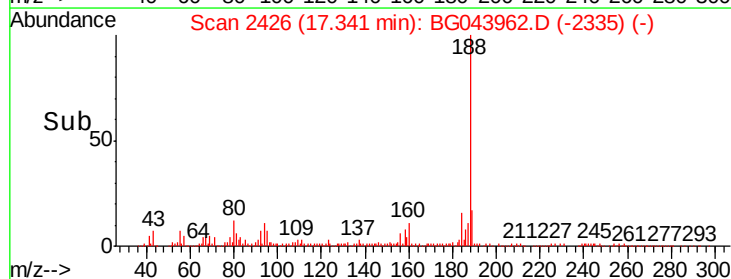
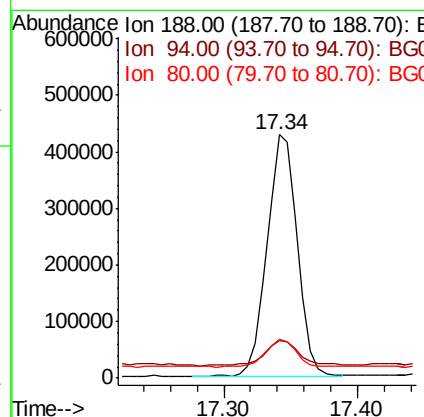
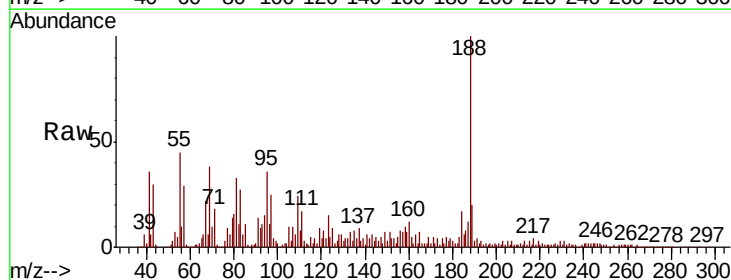
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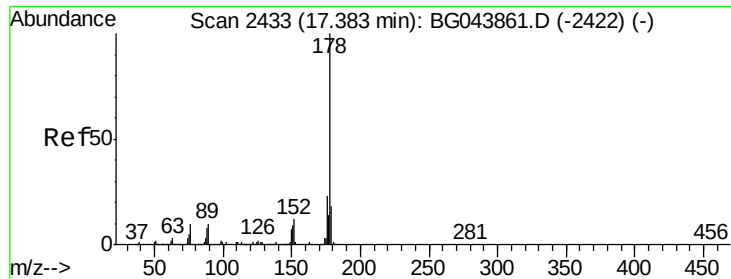
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2426
Delta R.T. 0.01 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	15.5	7.9	11.9#
80	16.1	8.2	12.4#





#71

Phenanthrene

Concen: 21.620 ng

RT: 17.39 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Instrument :

BNA_G

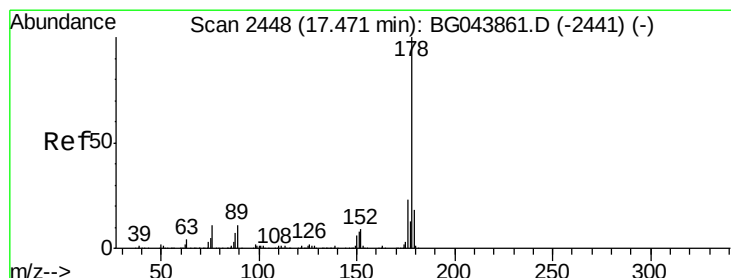
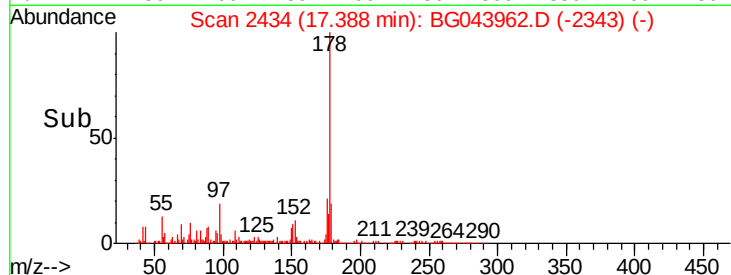
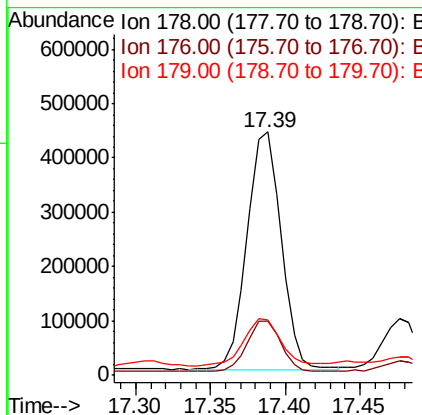
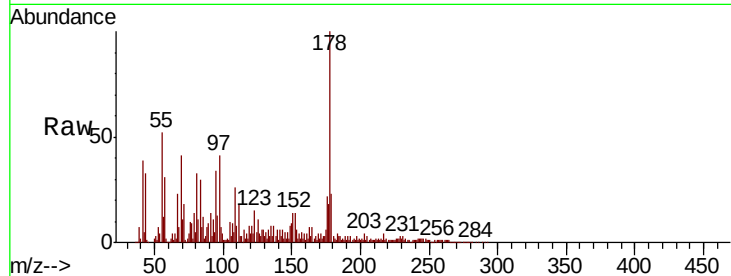
ClientSampleId :

225-230

Tot Ion:	178	Resp:	694903
Ion Ratio	Lower	Upper	
178	100		
176	22.1	18.6	28.0
179	22.7	14.4	21.6

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#72

Anthracene

Concen: 4.648 ng

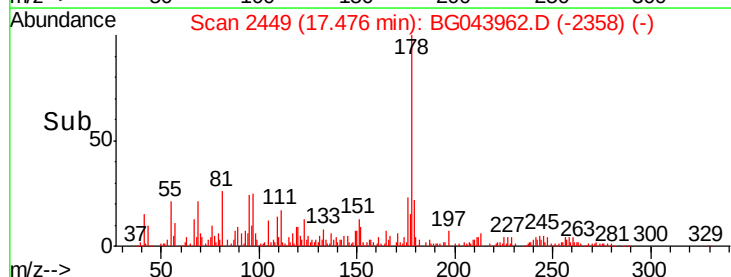
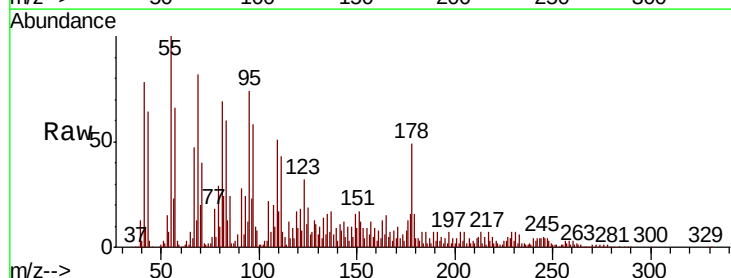
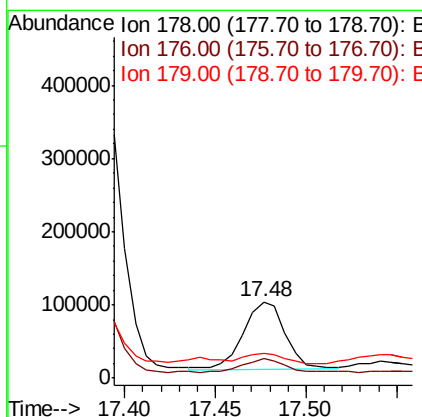
RT: 17.48 min Scan# 2449

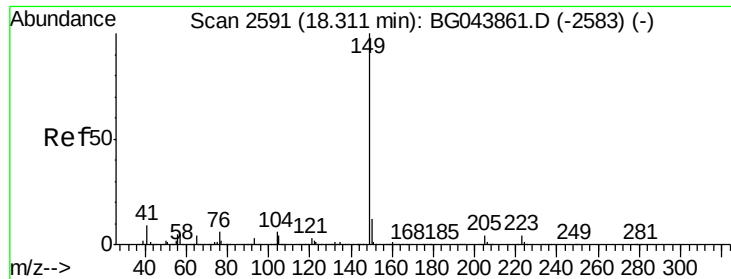
Delta R.T. 0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Tgt Ion:	178	Resp:	147649
Ion Ratio	Lower	Upper	
178	100		
176	26.3	18.3	27.5
179	32.4	14.6	22.0





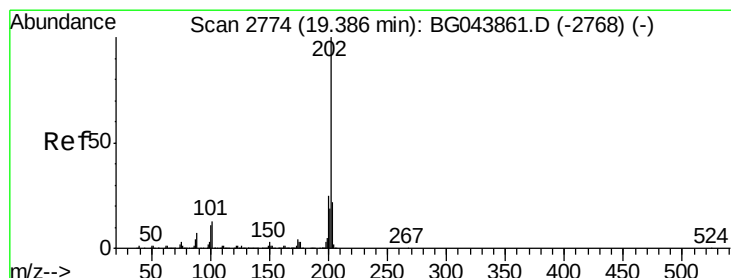
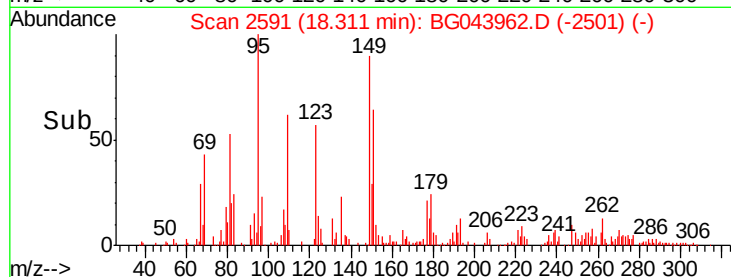
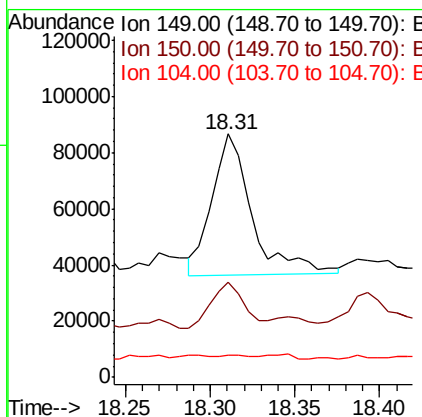
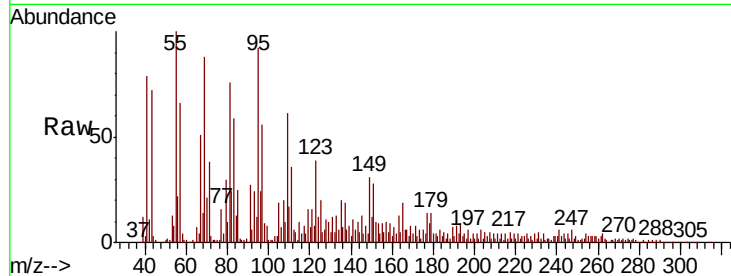
#74
Di-n-butylphthalate
Concen: 2.219 ng
RT: 18.31 min Scan# 2591
Delta R.T. -0.00 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Instrument :
BNA_G
ClientSampleId :
225-230

Tot Ion	Ratio	Lower	Upper
149	100		
150	38.8	9.7	14.5#
104	9.2	5.0	7.4#

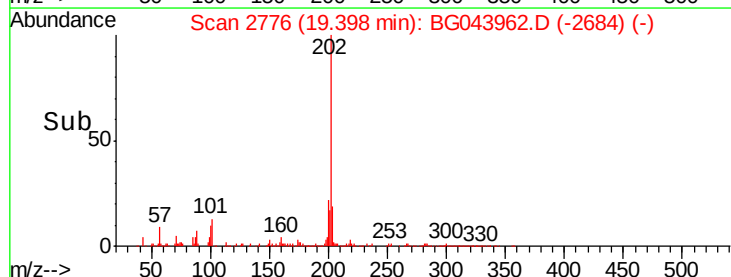
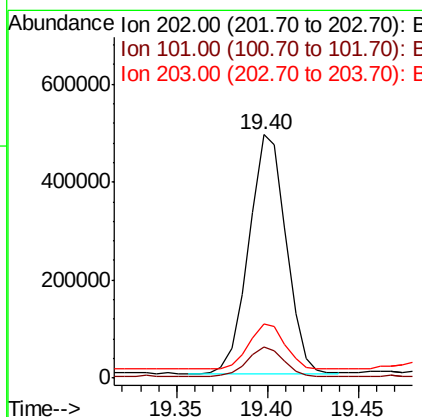
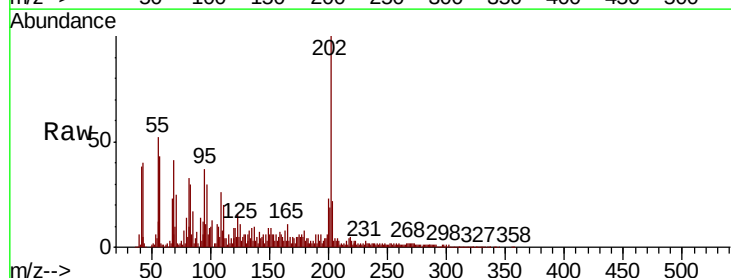
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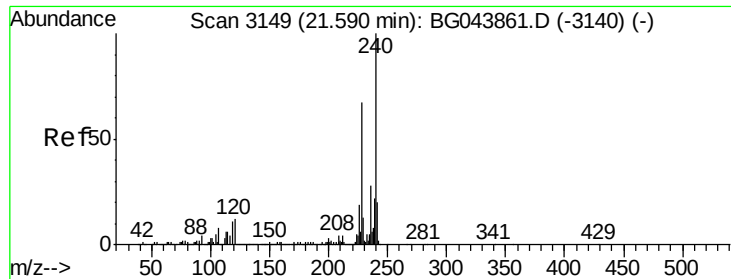
mohammad
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#75
Fluoranthene
Concen: 18.885 ng
RT: 19.40 min Scan# 2776
Delta R.T. 0.01 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.3
203	22.3	1.6	41.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.60 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Instrument :

BNA_G

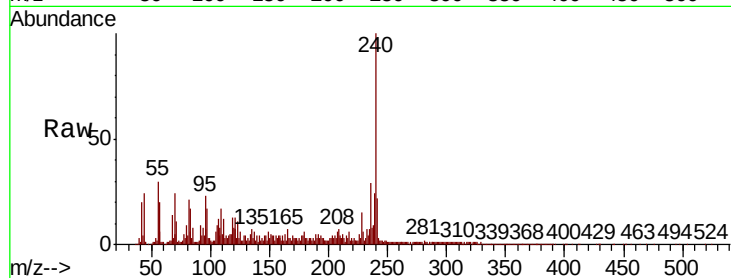
ClientSampleId :

225-230

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.6	14.4
236	29.3	22.2	33.2

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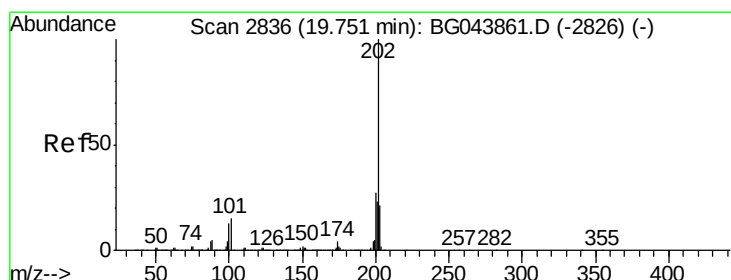
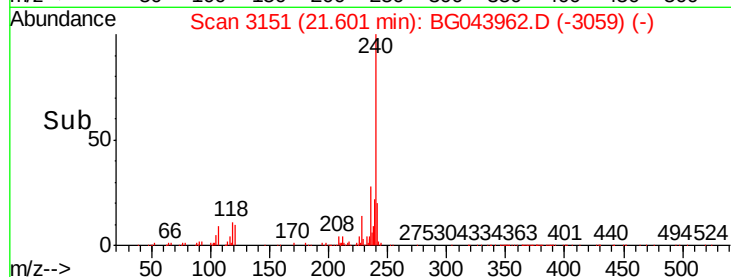
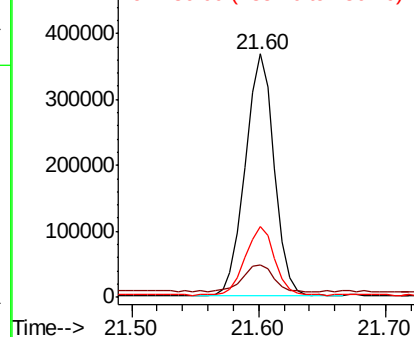


Abundance

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: 19.482 ng

RT: 19.76 min Scan# 2838

Delta R.T. 0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

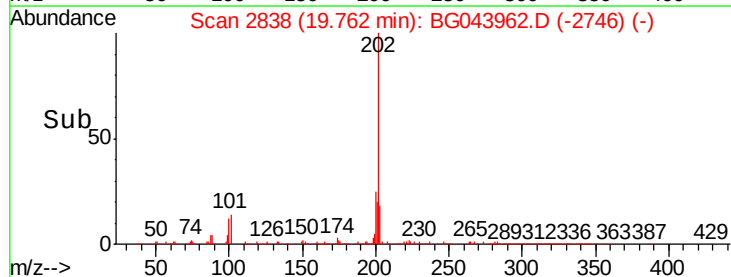
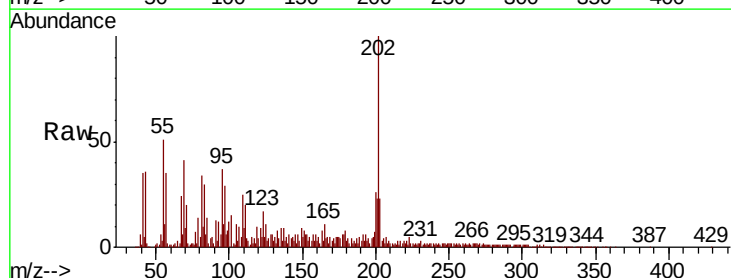
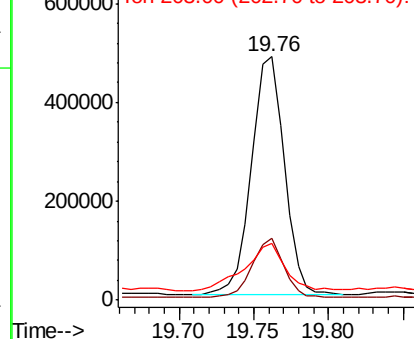
Tgt Ion	Ratio	Lower	Upper
202	100		
200	25.5	21.7	32.5
203	23.2	17.0	25.6

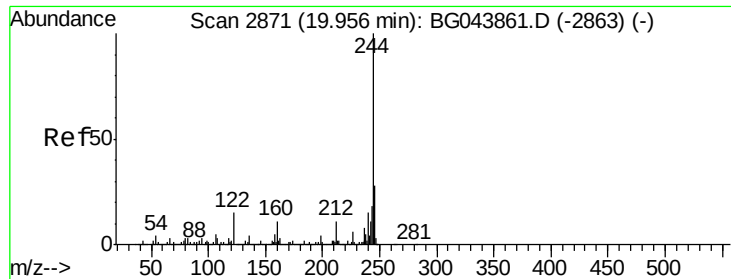
Abundance

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: 51.028 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Instrument :

BNA_G

ClientSampled :

225-230

Tot Ion:244 Resp: 1383808

Ion Ratio Lower Upper

244 100

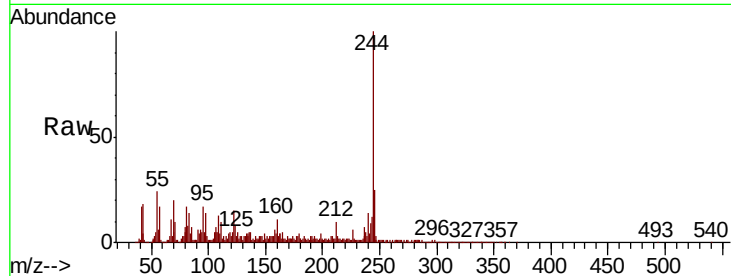
212 10.3 8.6 13.0

122 15.2 11.9 17.9

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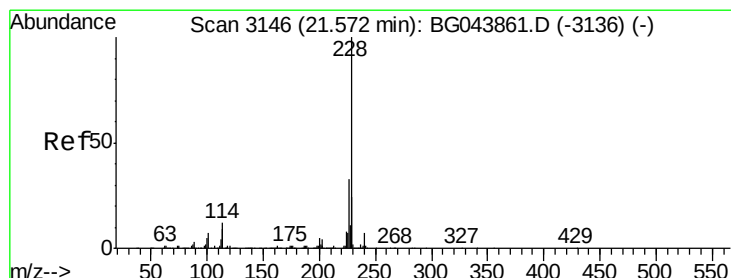
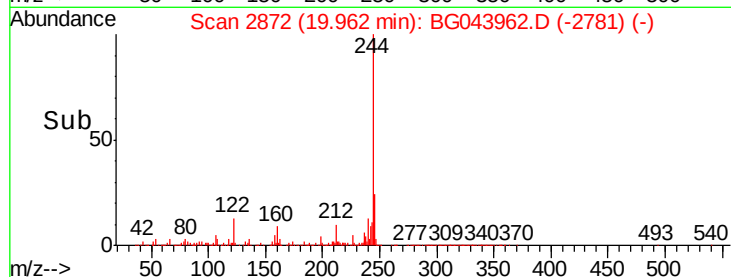
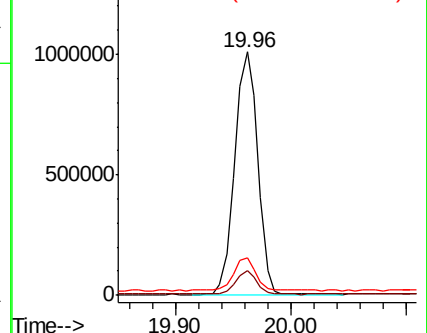
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 10.058 ng

RT: 21.58 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

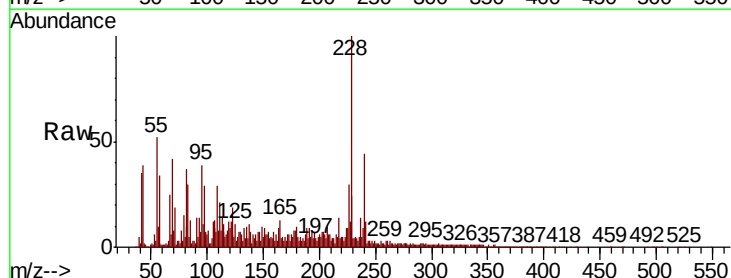
Tgt Ion:228 Resp: 360156

Ion Ratio Lower Upper

228 100

226 29.8 26.2 39.4

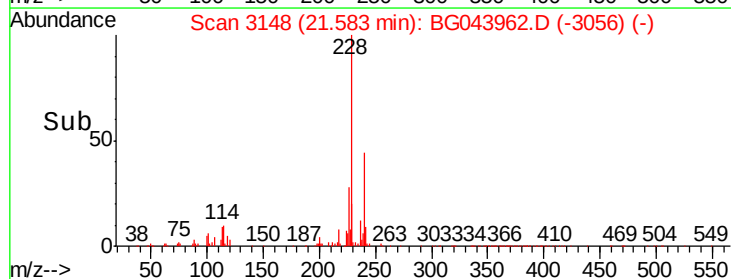
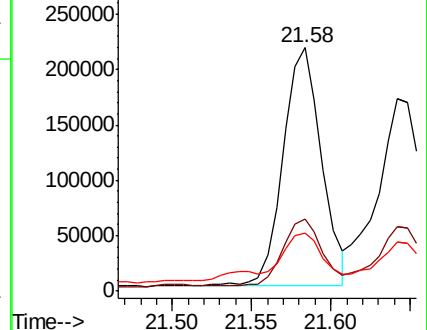
229 24.0 18.9 28.3

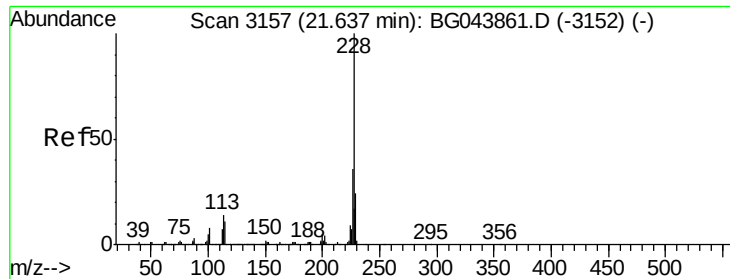


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





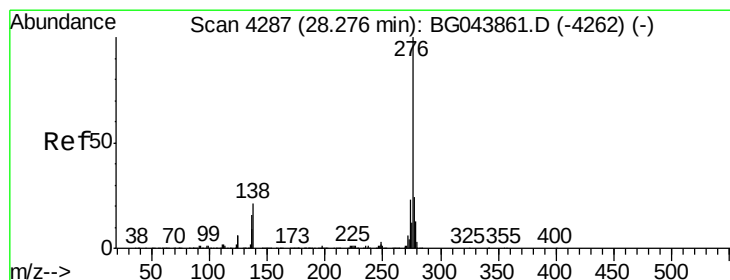
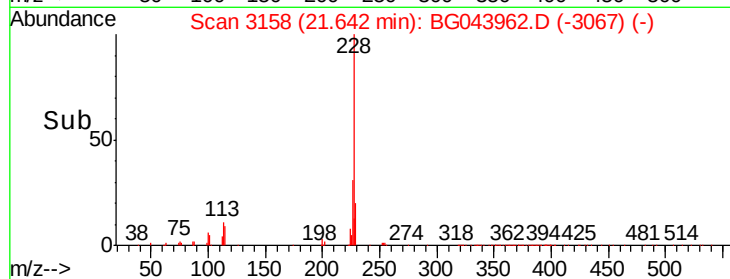
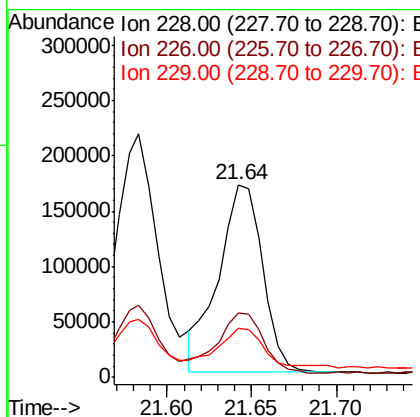
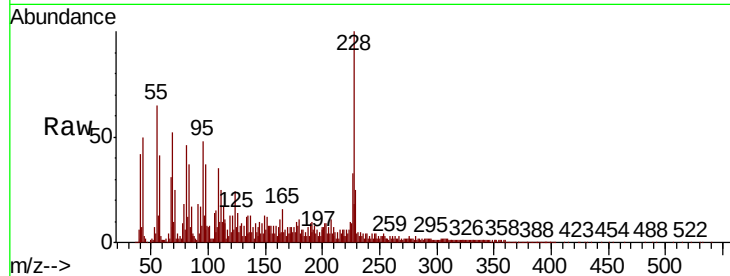
#83
Chrysene
Concen: 9.030 ng
RT: 21.64 min Scan# 3158
Delta R.T. 0.01 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Instrument :
BNA_G
ClientSampled :
225-230

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.2	28.8	43.2
229	25.3	19.0	28.6

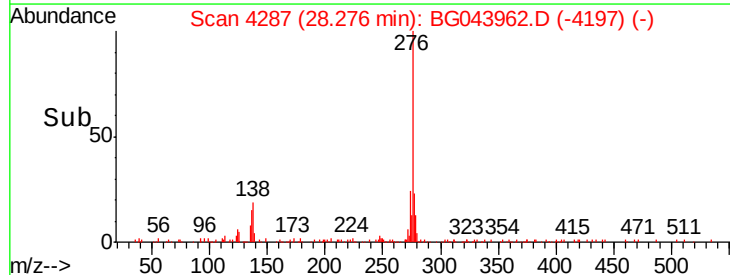
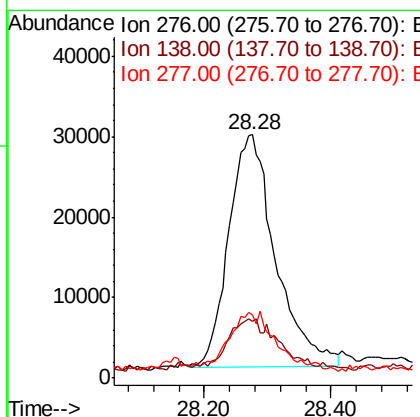
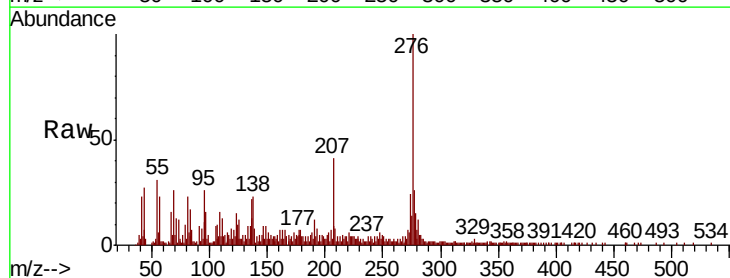
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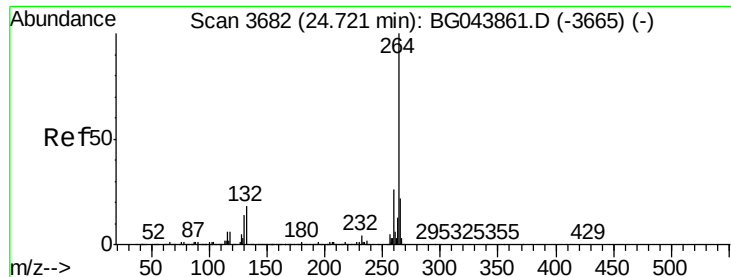
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.194 ng
RT: 28.28 min Scan# 4287
Delta R.T. -0.00 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.2	21.0	31.4#
277	21.5	21.1	31.7





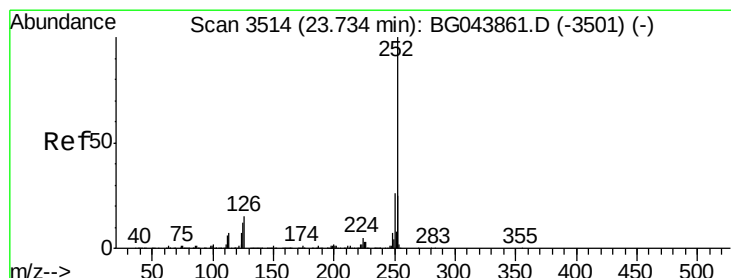
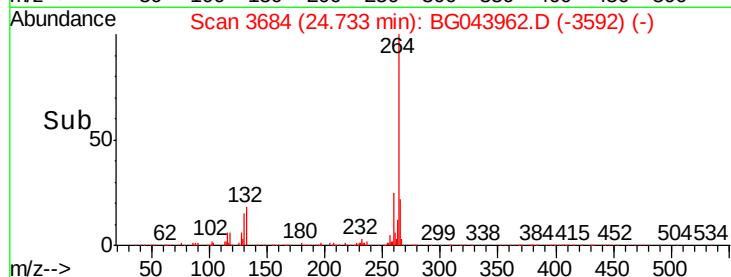
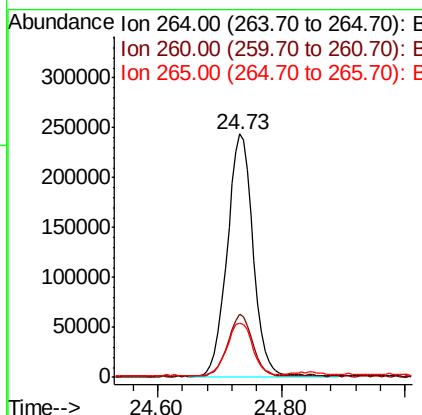
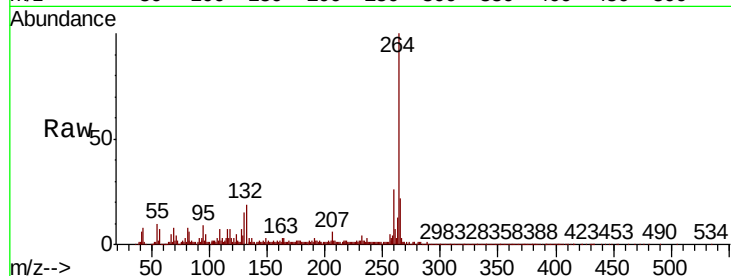
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.73 min Scan# 3684
Delta R.T. 0.01 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Instrument :
BNA_G
ClientSampleId :
225-230

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.4	30.6
265	22.3	17.4	26.2

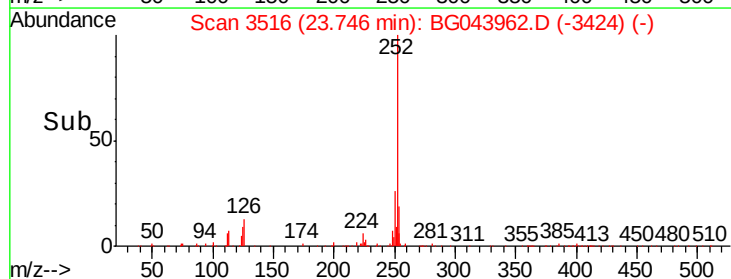
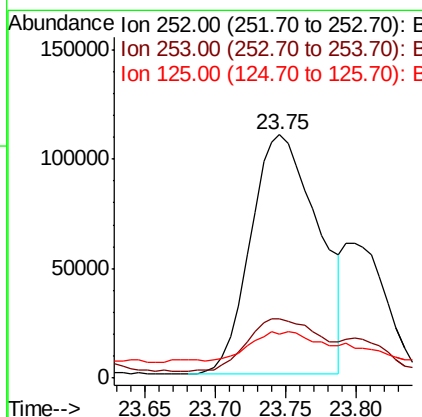
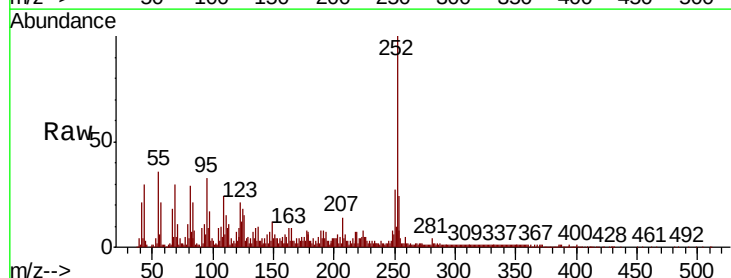
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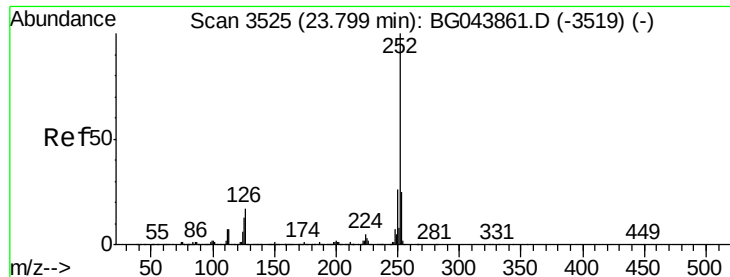
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#88
Benzo(b)fluoranthene
Concen: 8.758 ng
RT: 23.75 min Scan# 3516
Delta R.T. 0.01 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.7	29.5
125	18.2	9.4	14.2





#89

Benzo(k)fluoranthene

Concen: 3.091 ng

RT: 23.79 min Scan# 3524

Delta R.T. -0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Instrument :

BNA_G

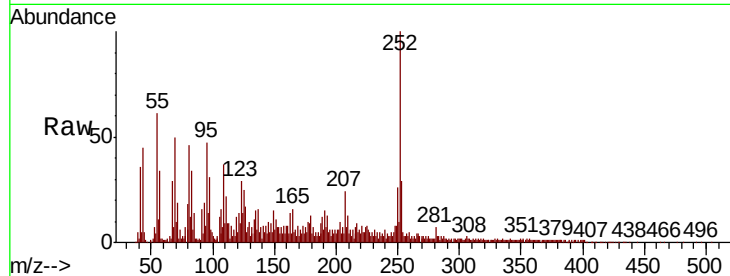
ClientSampleId :

225-230

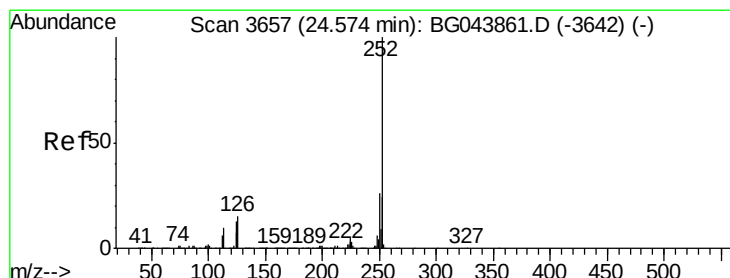
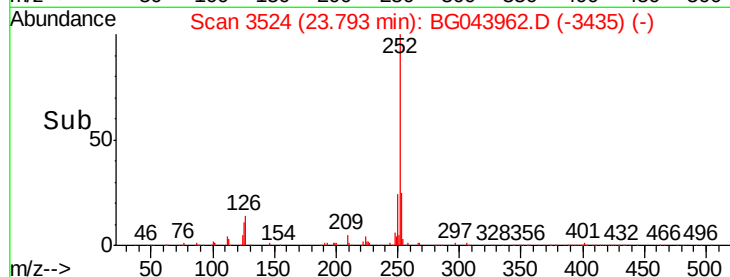
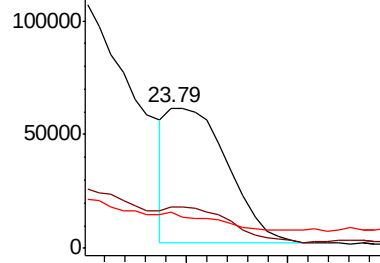
Tot Ion:	252	Resp:	122731
Ion Ratio	Lower	Upper	
252	100		
253	29.2	19.4	29.2
125	25.5	9.9	14.9#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 6.869 ng

RT: 24.59 min Scan# 3659

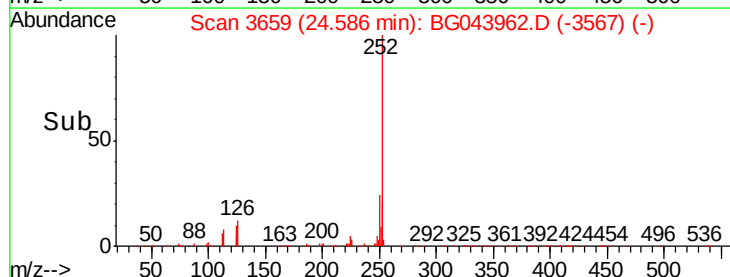
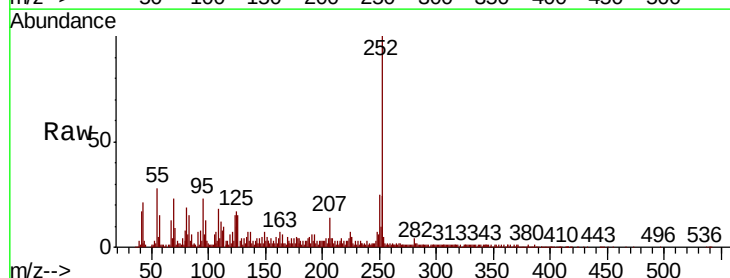
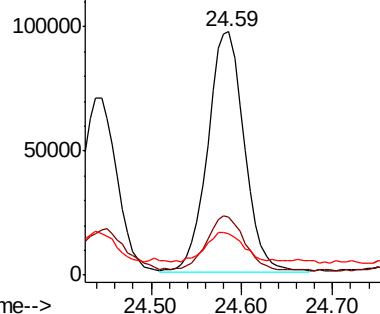
Delta R.T. 0.01 min

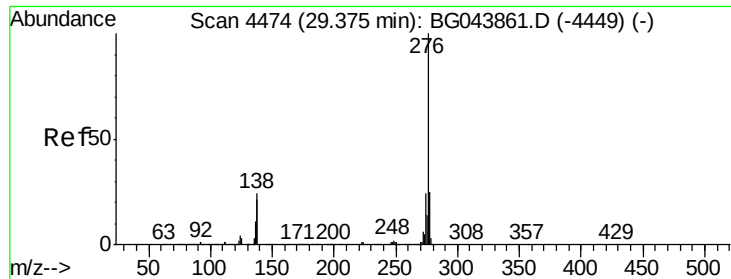
Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Tgt Ion:	252	Resp:	270718
Ion Ratio	Lower	Upper	
252	100		
253	23.9	19.3	28.9
125	17.2	10.4	15.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 3.590 ng
 RT: 29.38 min Scan# 4475
 Delta R.T. 0.01 min
 Lab File: BG043962.D
 Acq: 7 Jan 2020 20:12

Instrument :
 BNA_G
 ClientSampleId :
 225-230

Tot Ion:	276	Resp:	141157
Ion Ratio		Lower	Upper
276	100		
277	26.3	20.2	30.4
138	22.0	19.0	28.6

Manual Integrations
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