

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
 Data File : BG043958.D
 Acq On : 7 Jan 2020 17:35
 Operator : JU
 Sample : K6463-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GP-6-(4-6)

Manual Integrations
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Quant Time: Jan 07 18:12:43 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	175158	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	716088	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	423345	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	818982	20.00	ng	0.00
76) Chrysene-d12	21.59	240	692272	20.00	ng	0.00
87) Perylene-d12	24.72	264	787957	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	1019720	106.89	ng	0.00
7) Phenol-d6	7.13	99	1420584	106.53	ng	0.00
23) Nitrobenzene-d5	9.12	82	850390	63.53	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	423914	95.69	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1497161	64.07	ng	0.00
79) Terphenyl-d14	19.95	244	1728370	53.84	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.16	94	41292	3.005	ng	97
50) Dimethylphthalate	14.05	163	159062	5.292	ng	# 98
71) Phenanthrene	17.38	178	456812	11.629	ng	96
72) Anthracene	17.46	178	100147	2.580	ng	95
75) Fluoranthene	19.39	202	789345	17.570	ng	95
78) Pyrene	19.74	202	723798	16.018	ng	94
81) Benzo(a)anthracene	21.57	228	359028	8.364	ng	96
83) Chrysene	21.63	228	312870	7.671	ng	96
86) Indeno(1,2,3-cd)pyrene	28.26	276	172402	3.110	ng	93
88) Benzo(b)fluoranthene	23.73	252	419161	8.998	ng	98
89) Benzo(k)fluoranthene	23.79	252	146240m	3.301	ng	
90) Benzo(a)pyrene	24.57	252	321693	7.317	ng	98
92) Benzo(a,h,i)perylene	29.37	276	159229	3.630	ng	96

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

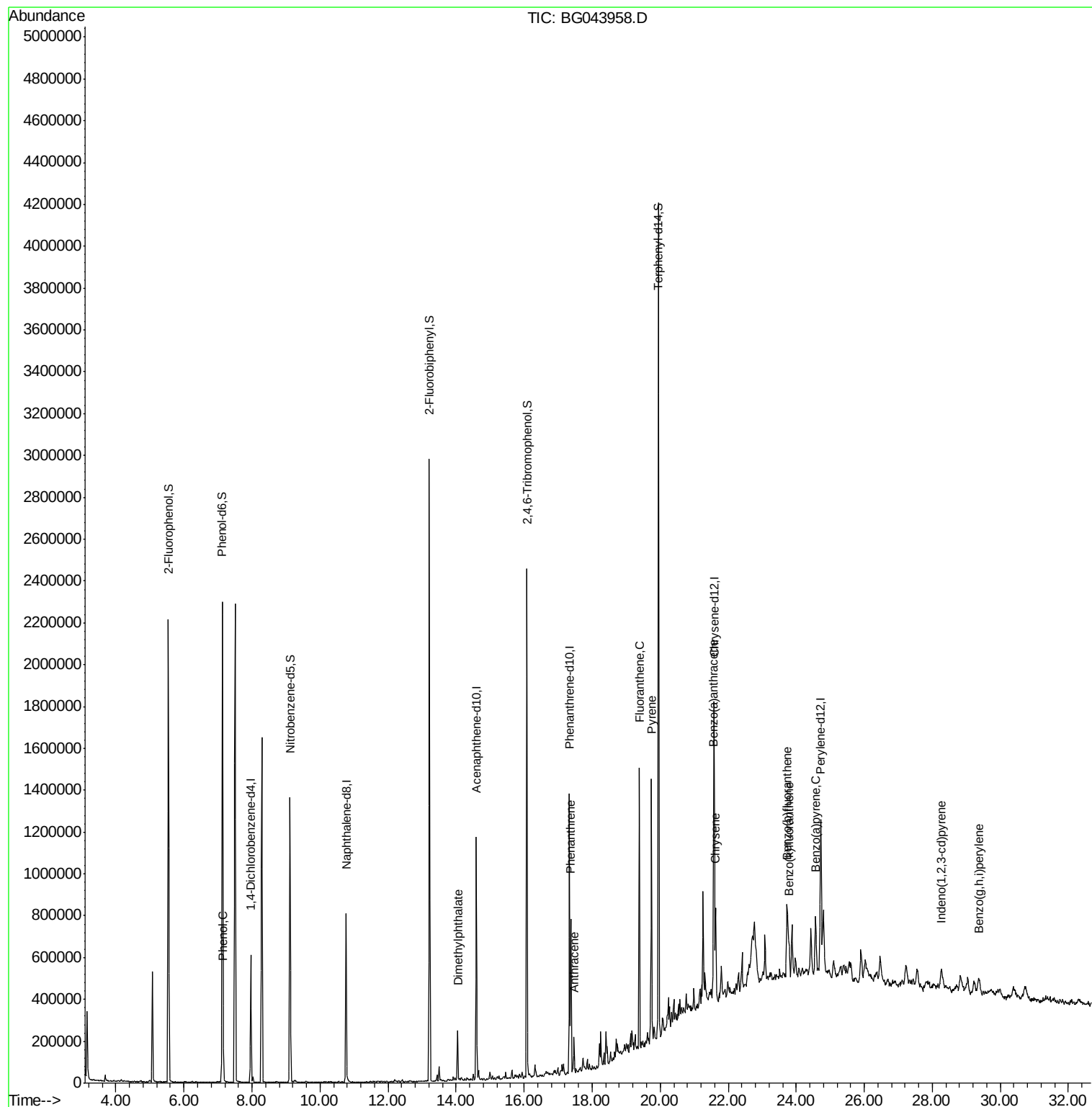
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
Data File : BG043958.D
Acq On : 7 Jan 2020 17:35
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Sample : K6463-02
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ALS Vial : 4 Sample Multiplier: 1

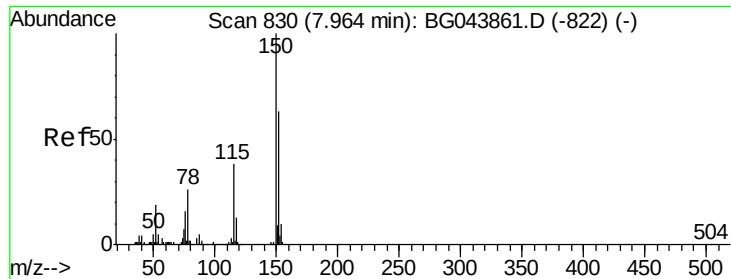
Instrument :
BNA_G
ClientSampleId :
GP-6-(4-6)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
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#1

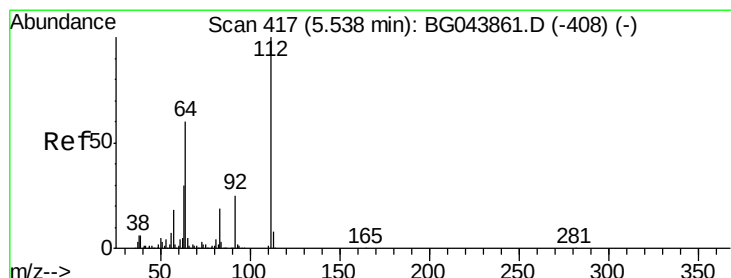
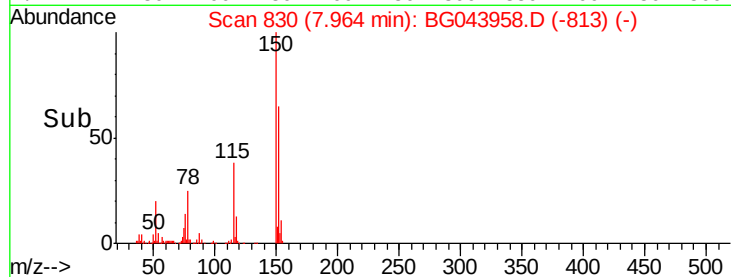
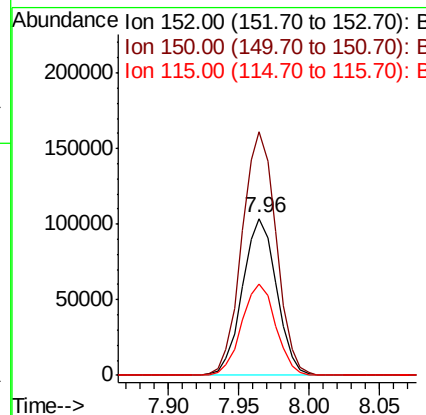
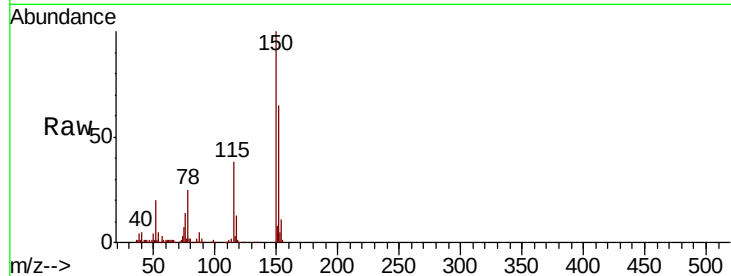
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG043958.D
Acq: 7 Jan 2020 17:35

Instrument :
BNA_G
ClientSampleId :
GP-6-(4-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	127.0	190.4
115	58.1	47.8	71.8

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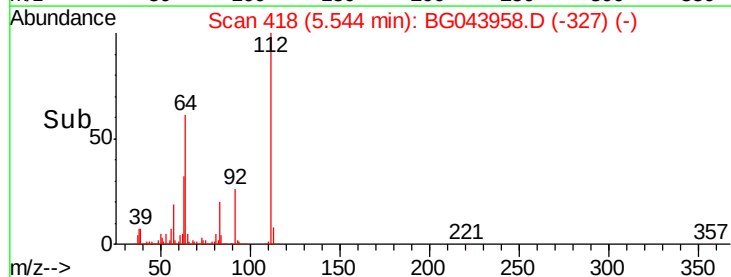
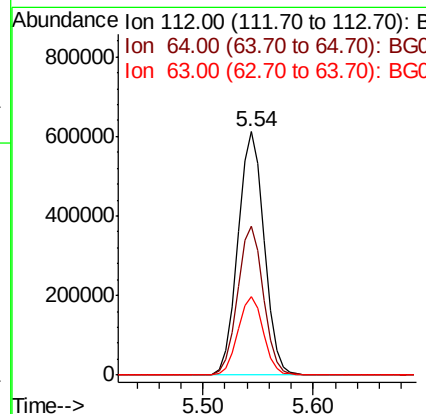
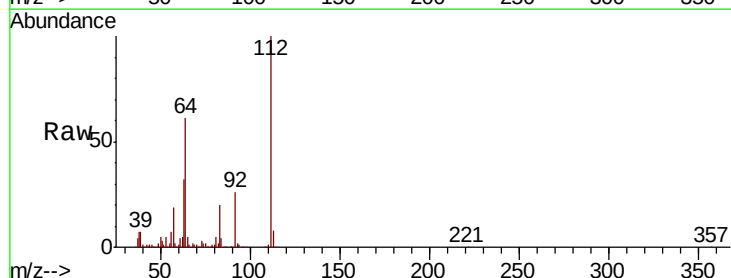
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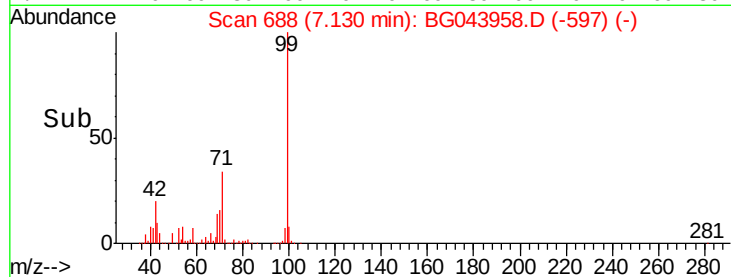
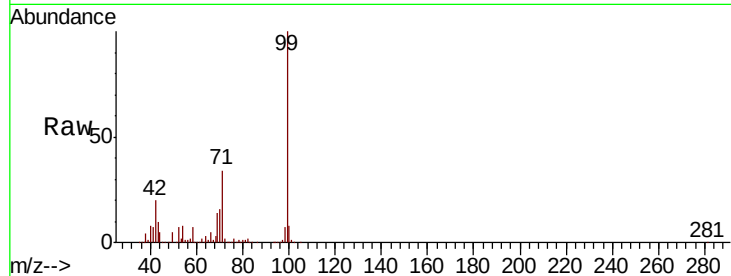
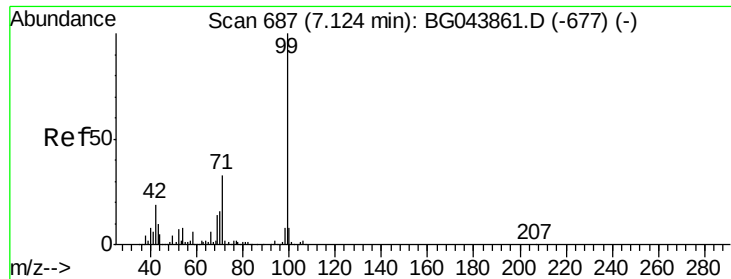


#5

2-Fluorophenol
Concen: 106.894 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.01 min
Lab File: BG043958.D
Acq: 7 Jan 2020 17:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	47.8	71.6
63	32.4	24.3	36.5





#7

Phenol-d6

Concen: 106.534 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG043958.D

Acq: 7 Jan 2020 17:35

Tot Ion:	99	Resp:	1420584
Ion	Ratio	Lower	Upper
99	100		
42	20.0	14.9	22.3
71	34.2	26.4	39.6

Instrument :

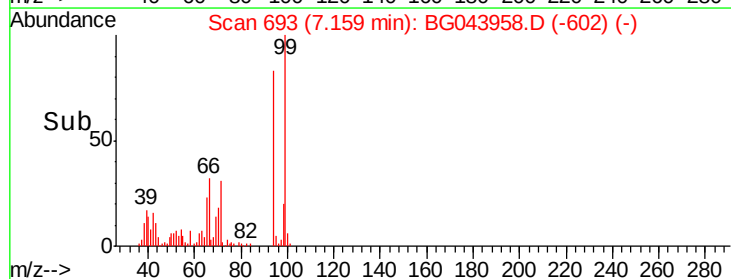
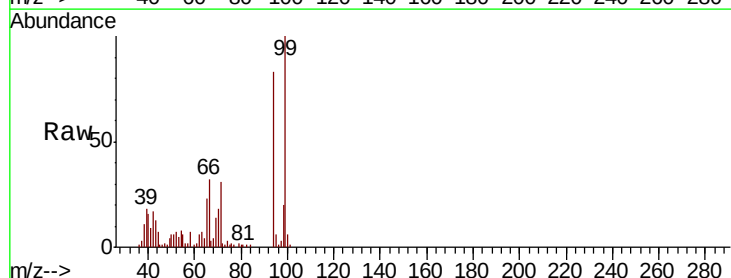
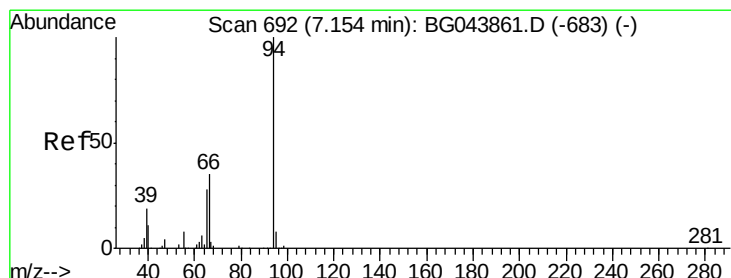
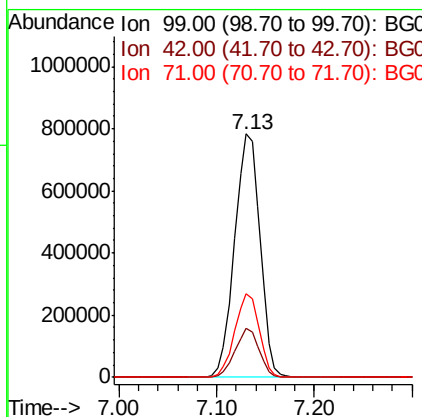
BNA_G

ClientSampled :

GP-6-(4-6)

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#10

Phenol

Concen: 3.005 ng

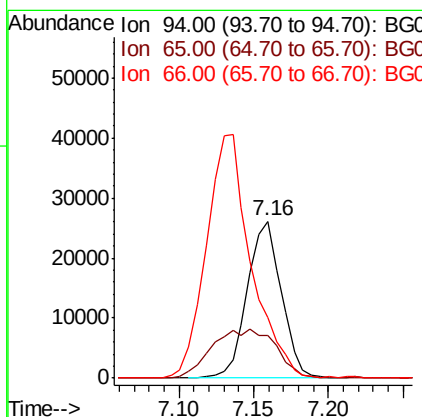
RT: 7.16 min Scan# 693

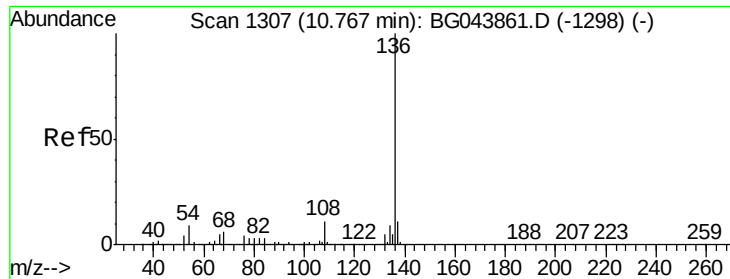
Delta R.T. 0.01 min

Lab File: BG043958.D

Acq: 7 Jan 2020 17:35

Tgt Ion:	94	Resp:	41292
Ion	Ratio	Lower	Upper
94	100		
65	27.3	8.1	48.1
66	38.3	15.6	55.6





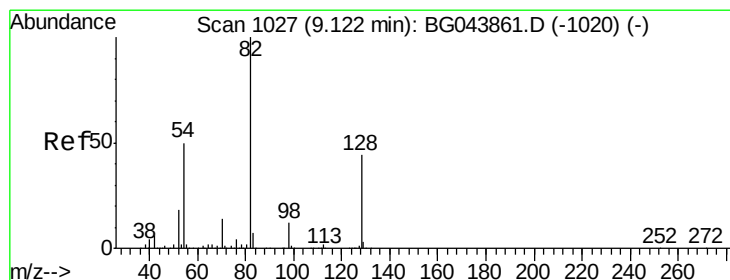
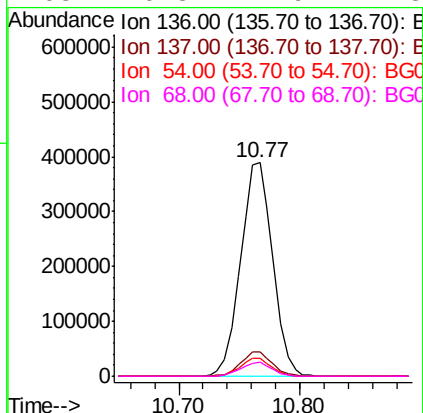
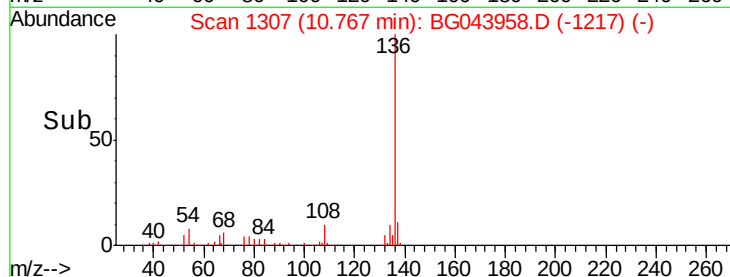
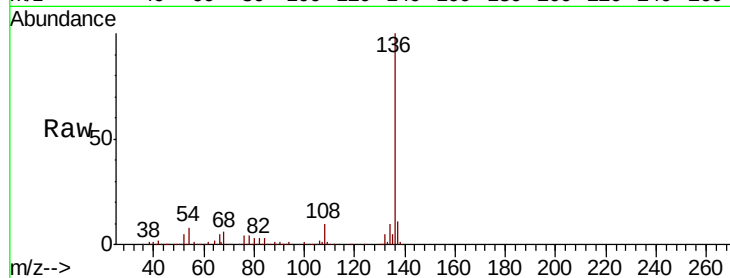
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG043958.D
Acq: 7 Jan 2020 17:35

Instrument :
BNA_G
ClientSampleId :
GP-6-(4-6)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		716088		
137	11.4	8.8	13.2		
54	8.4	7.0	10.4		
68	6.3	4.9	7.3		

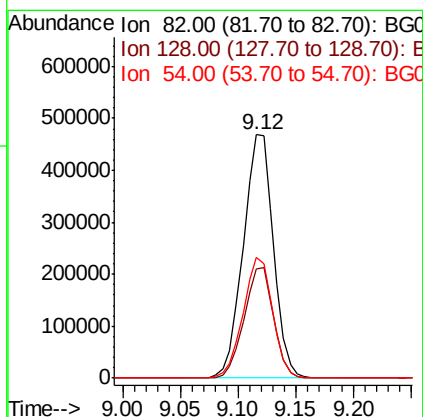
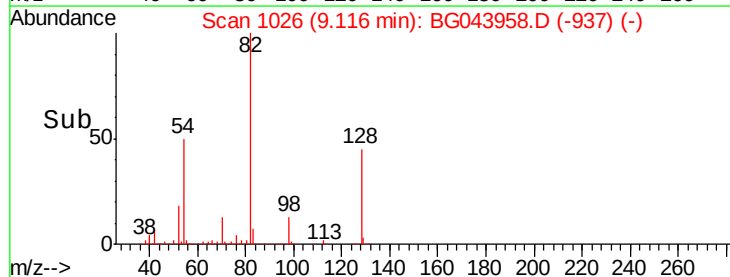
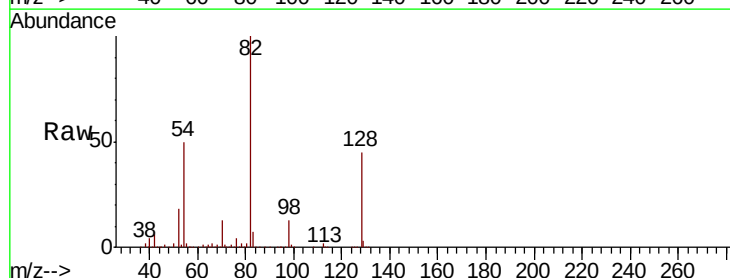
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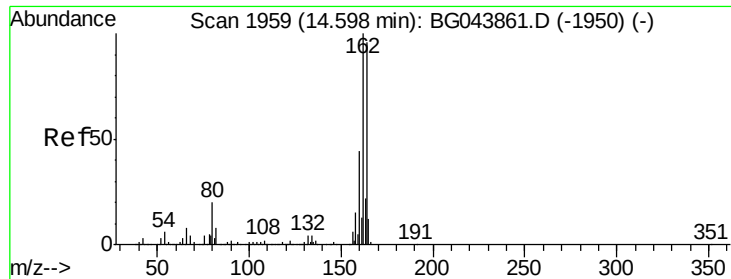
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#23
Nitrobenzene-d5
Concen: 63.529 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BG043958.D
Acq: 7 Jan 2020 17:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		850390		
128	44.9	35.1	52.7		
54	49.8	40.1	60.1		





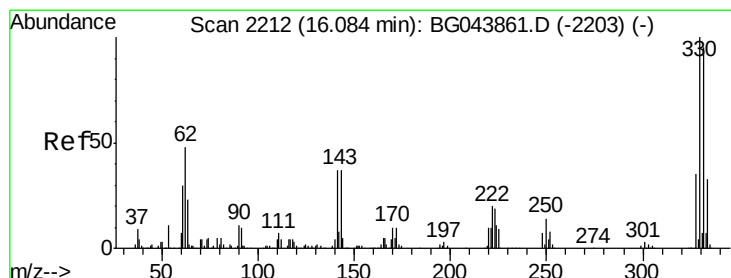
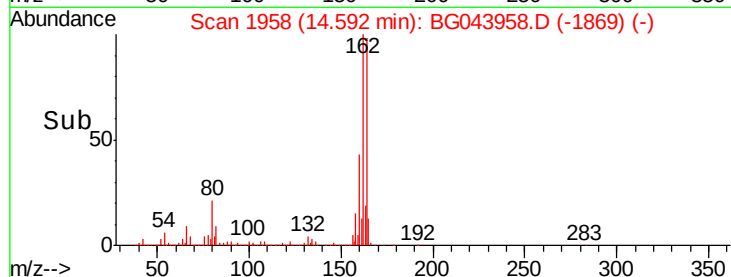
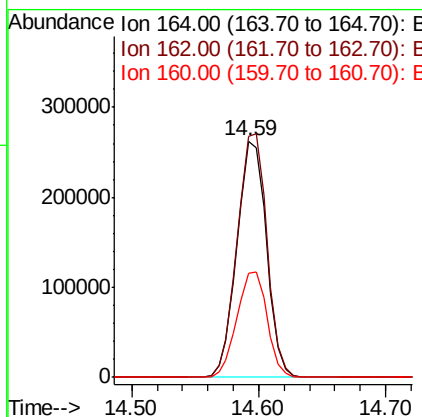
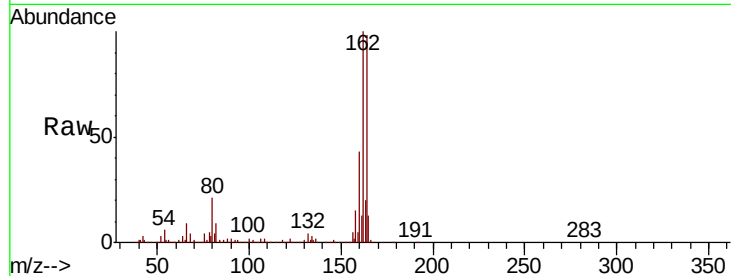
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG043958.D
Acq: 7 Jan 2020 17:35

Instrument :
BNA_G
ClientSampleId :
GP-6-(4-6)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.2	83.0	124.4	
160	44.3	36.1	54.1	

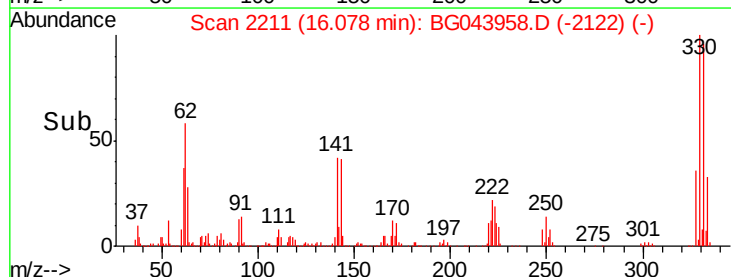
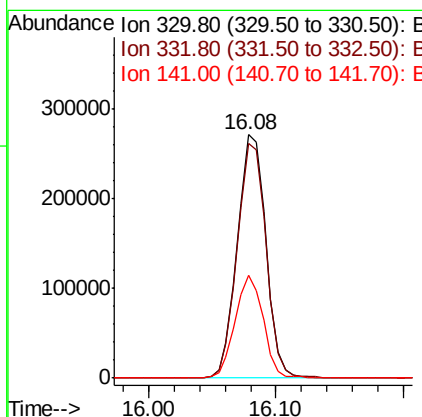
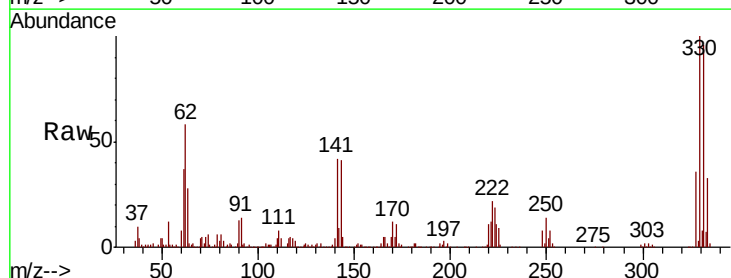
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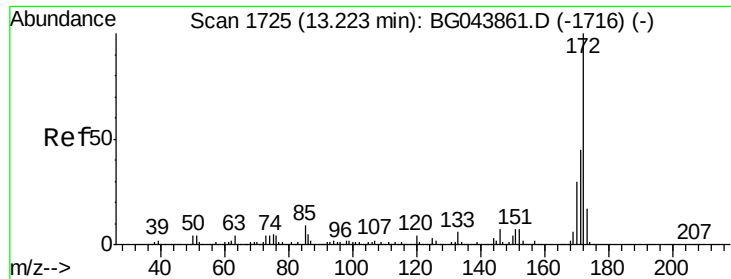
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#42
2,4,6-Tribromophenol
Concen: 95.687 ng
RT: 16.08 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BG043958.D
Acq: 7 Jan 2020 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.4	77.2	115.8	
141	40.9	33.1	49.7	





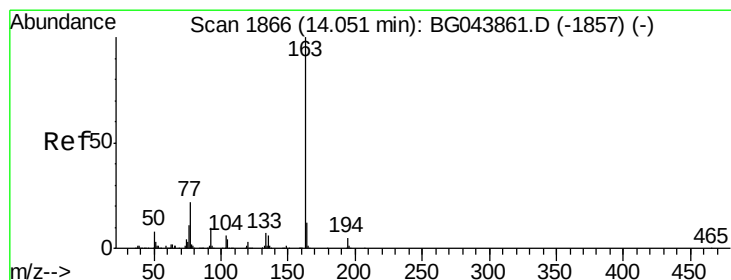
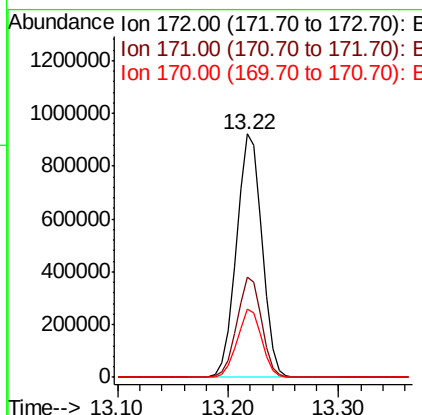
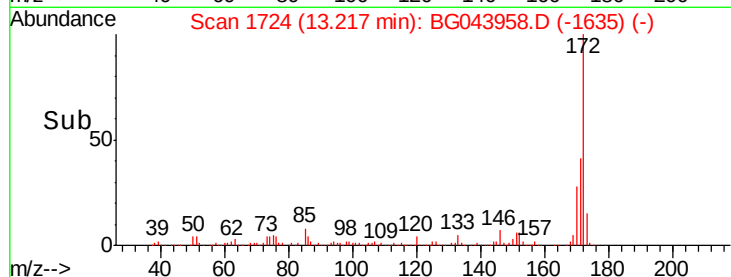
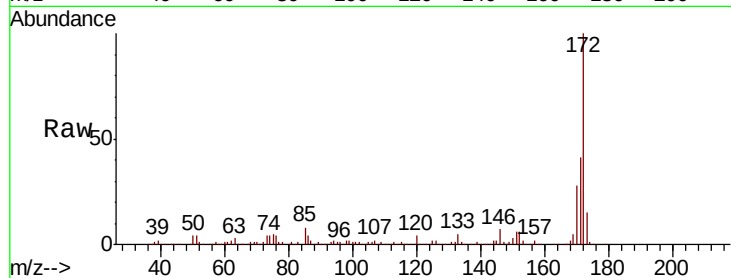
#45
2-Fluorobiphenyl
Concen: 64.073 ng
RT: 13.22 min Scan# 1724
Delta R.T. -0.01 min
Lab File: BG043958.D
Acq: 7 Jan 2020 17:35

Instrument :
BNA_G
ClientSampleId :
GP-6-(4-6)

Tot Ion	Ratio	Lower	Upper
172	100		
171	41.0	35.8	53.8
170	28.1	24.2	36.4

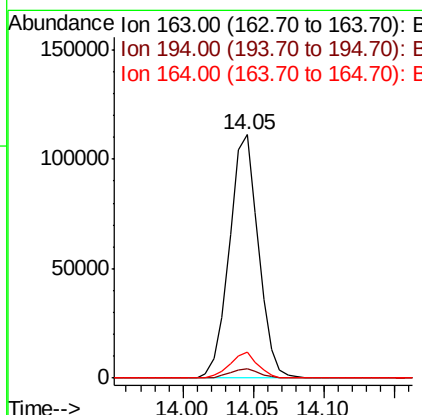
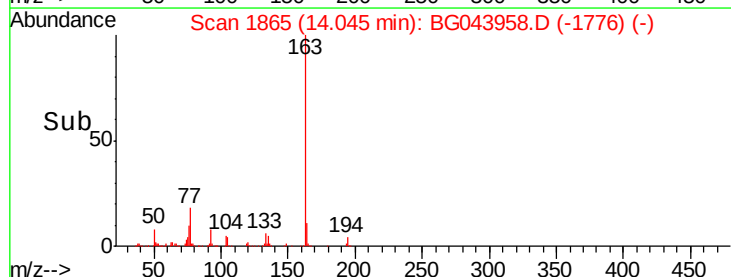
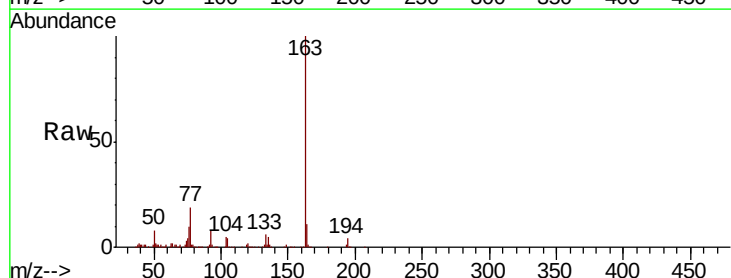
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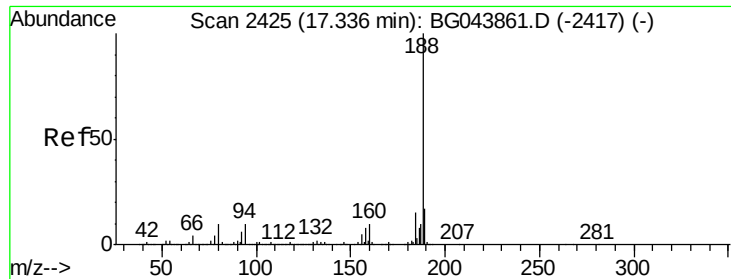
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#50
Dimethylphthalate
Concen: 5.292 ng
RT: 14.05 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BG043958.D
Acq: 7 Jan 2020 17:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.7	5.5#
164	10.9	9.3	13.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.34 min Scan# 2425

Delta R.T. -0.00 min

Lab File: BG043958.D

Acq: 7 Jan 2020 17:35

Instrument :

BNA_G

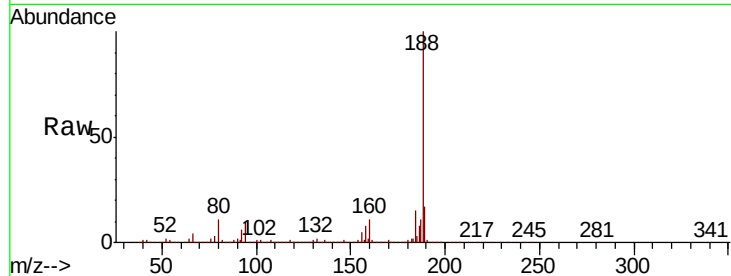
ClientSampleId :

GP-6-(4-6)

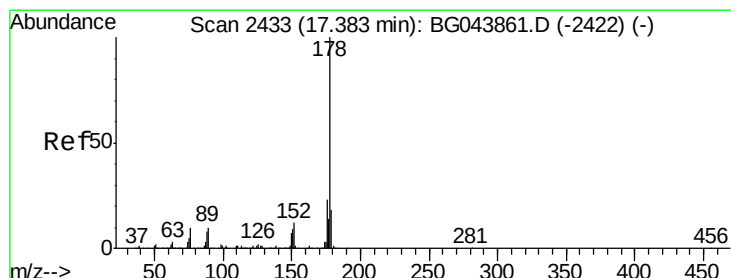
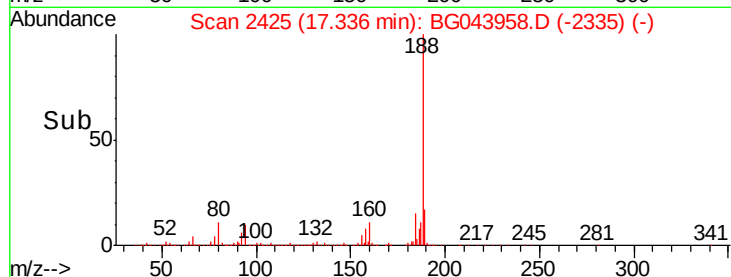
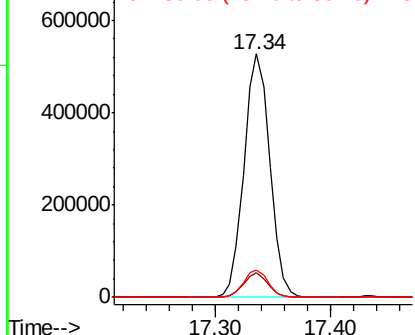
Tot Ion:	188	Resp:	818982
Ion Ratio	Lower	Upper	
188	100		
94	10.0	7.9	11.9
80	11.1	8.2	12.4

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG



#71

Phenanthrene

Concen: 11.629 ng

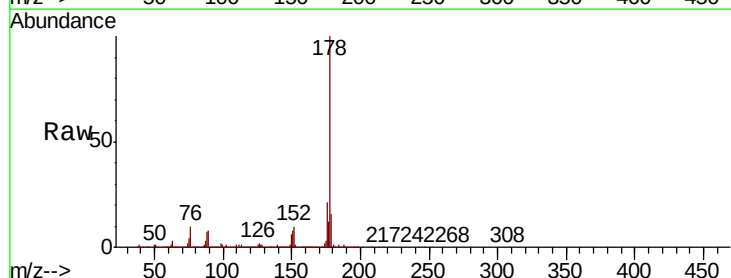
RT: 17.38 min Scan# 2432

Delta R.T. -0.01 min

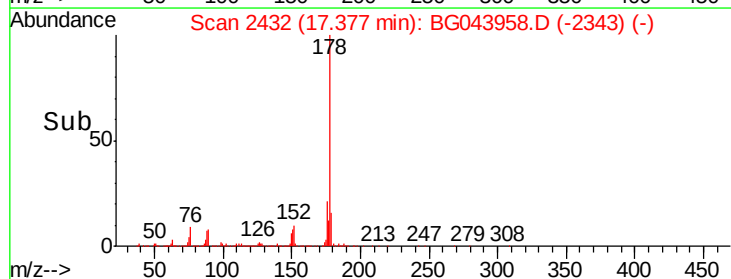
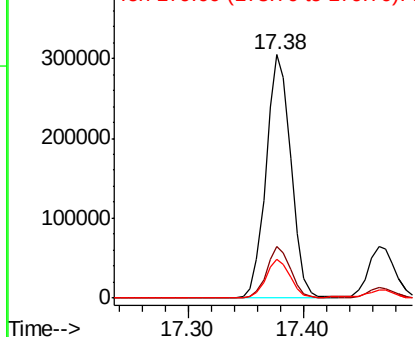
Lab File: BG043958.D

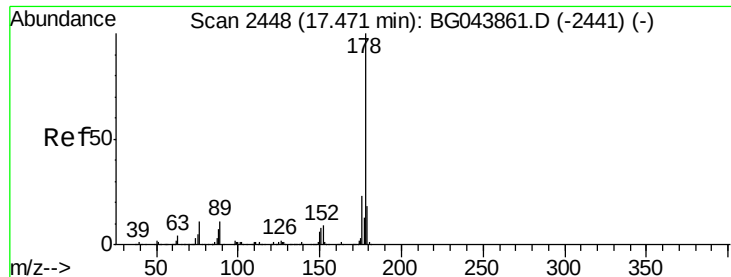
Acq: 7 Jan 2020 17:35

Tgt Ion:	178	Resp:	456812
Ion Ratio	Lower	Upper	
178	100		
176	21.3	18.6	28.0
179	15.8	14.4	21.6



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





#72

Anthracene

Concen: 2.580 ng

RT: 17.46 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BG043958.D

Acq: 7 Jan 2020 17:35

Instrument :

BNA_G

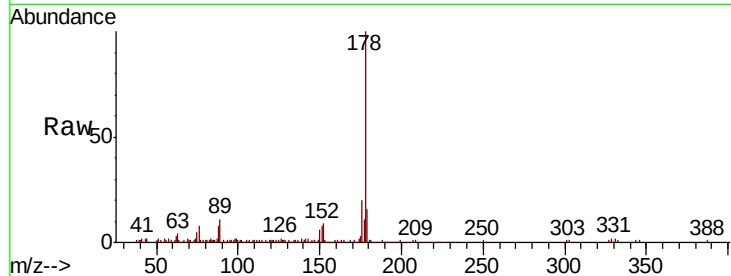
ClientSampleId :

GP-6-(4-6)

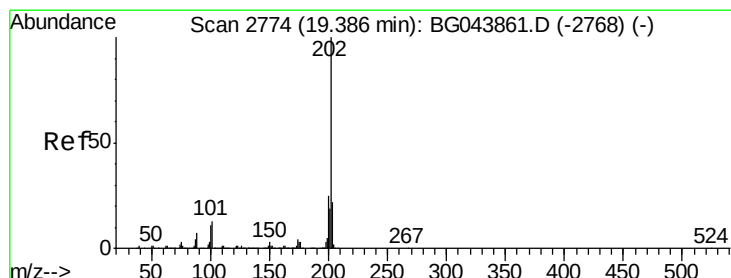
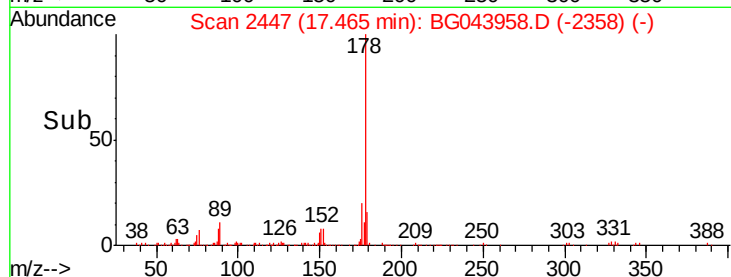
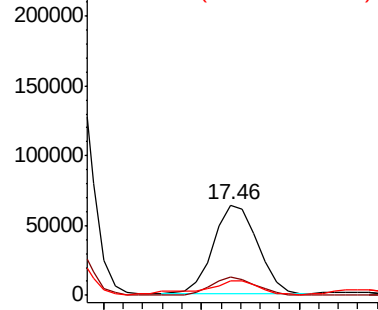
Tot Ion:	178	Resp:	100147
Ion Ratio	Lower	Upper	
178	100		
176	20.3	18.3	27.5
179	16.5	14.6	22.0

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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: 17.570 ng

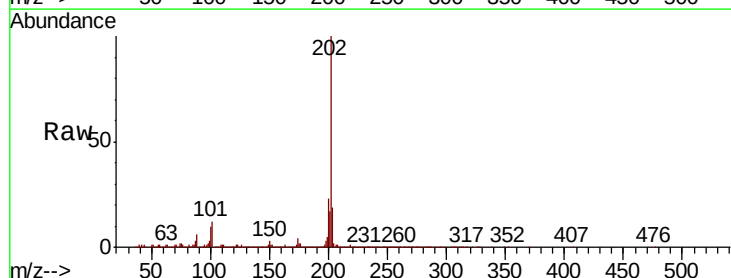
RT: 19.39 min Scan# 2774

Delta R.T. -0.00 min

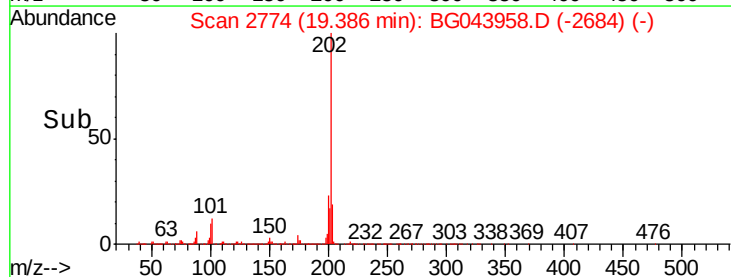
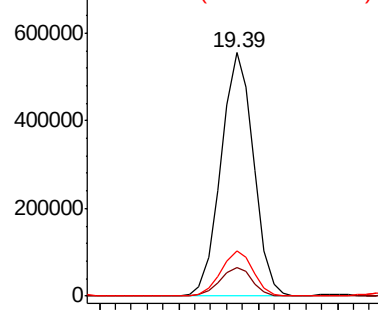
Lab File: BG043958.D

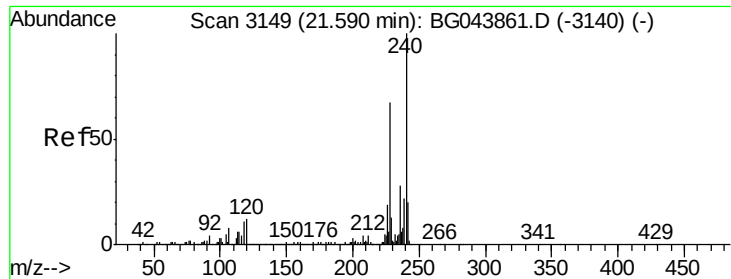
Acq: 7 Jan 2020 17:35

Tgt Ion:	202	Resp:	789345
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	33.3
203	18.7	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: 21.59 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BG043958.D

Acq: 7 Jan 2020 17:35

Instrument :

BNA_G

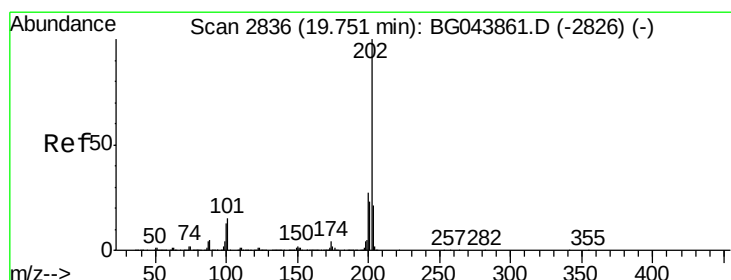
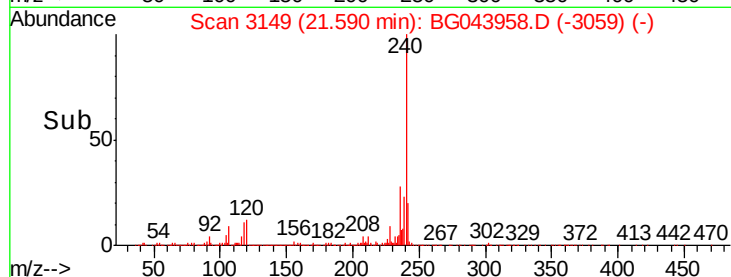
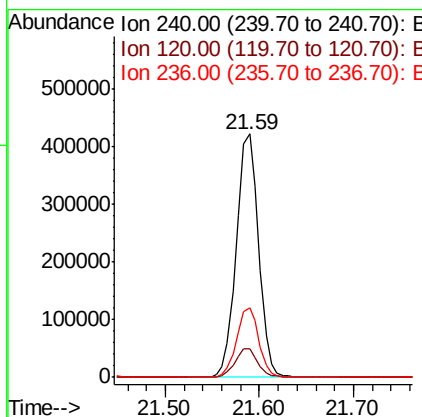
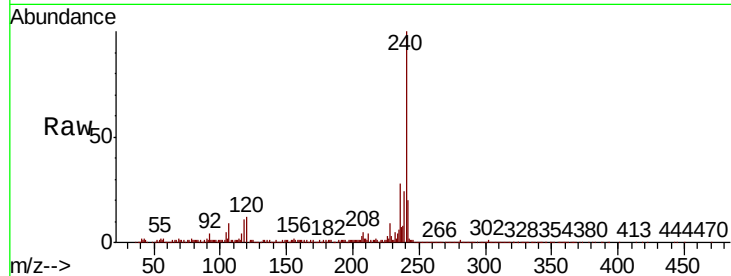
ClientSampled :

GP-6-(4-6)

Tot Ion:	240	Resp:	692272
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.6	14.4
236	28.3	22.2	33.2

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#78

Pyrene

Concen: 16.018 ng

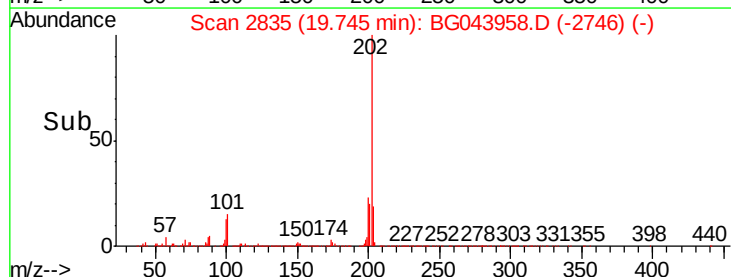
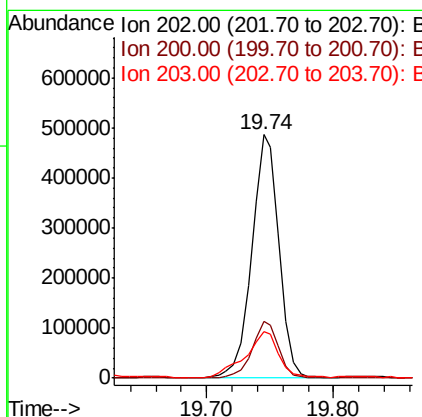
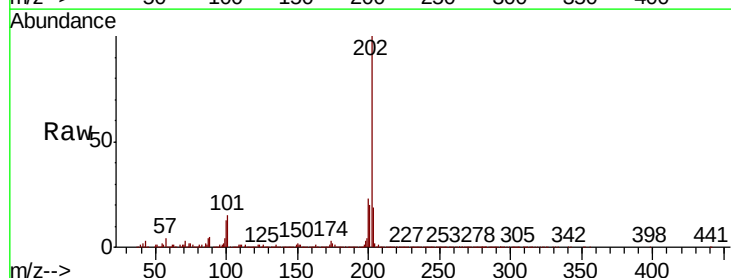
RT: 19.74 min Scan# 2835

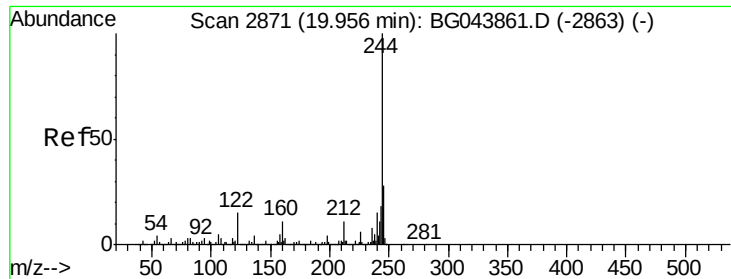
Delta R.T. -0.01 min

Lab File: BG043958.D

Acq: 7 Jan 2020 17:35

Tgt Ion:	202	Resp:	723798
Ion Ratio	Lower	Upper	
202	100		
200	23.3	21.7	32.5
203	19.4	17.0	25.6





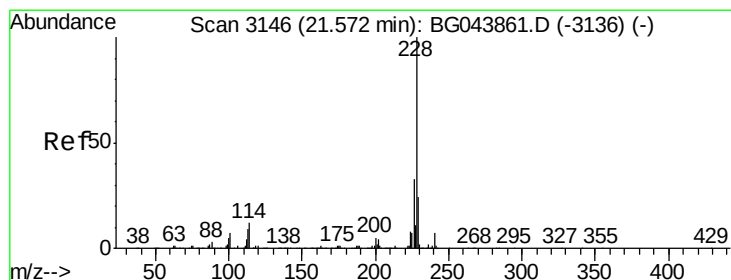
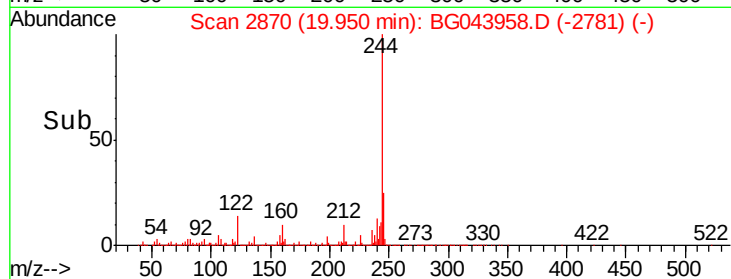
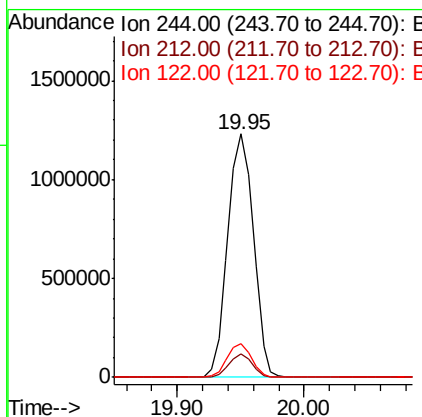
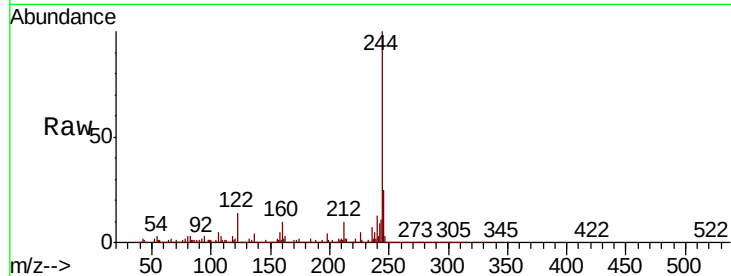
#79
 Terphenyl-d14
 Concen: 53.837 ng
 RT: 19.95 min Scan# 2870
 Delta R.T. -0.01 min
 Lab File: BG043958.D
 Acq: 7 Jan 2020 17:35

Instrument :
 BNA_G
 ClientSampleId :
 GP-6-(4-6)

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.8	8.6	13.0
122	13.9	11.9	17.9

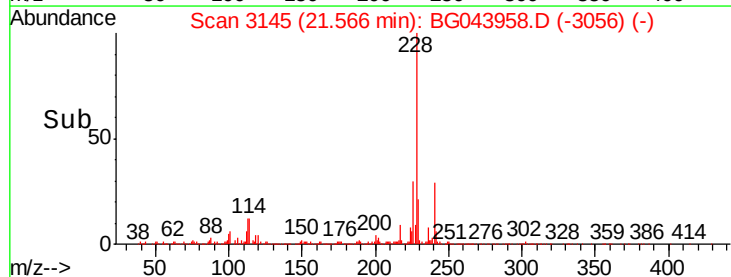
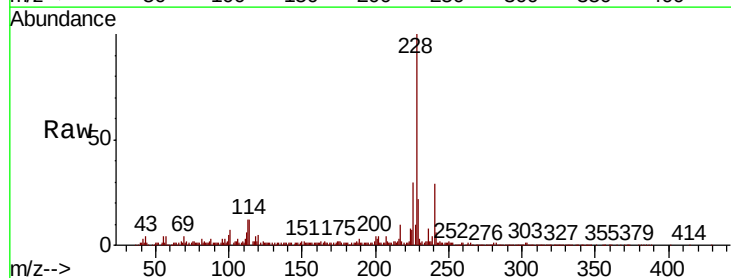
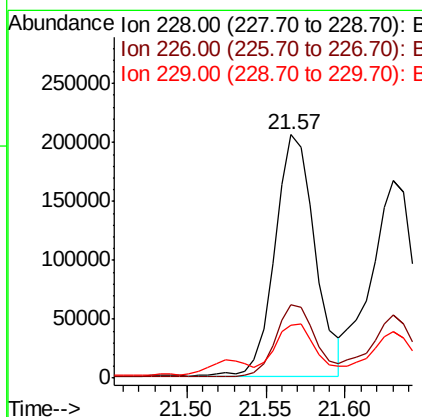
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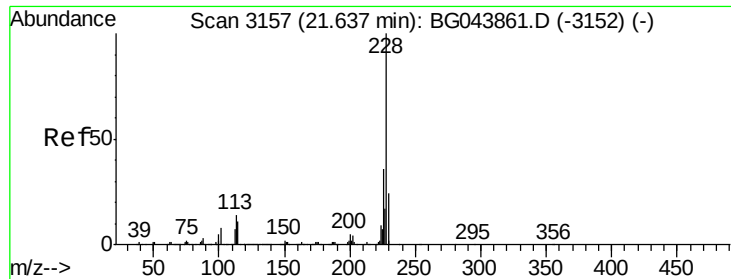
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#81
 Benzo(a)anthracene
 Concen: 8.364 ng
 RT: 21.57 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG043958.D
 Acq: 7 Jan 2020 17:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	26.2	39.4
229	21.8	18.9	28.3





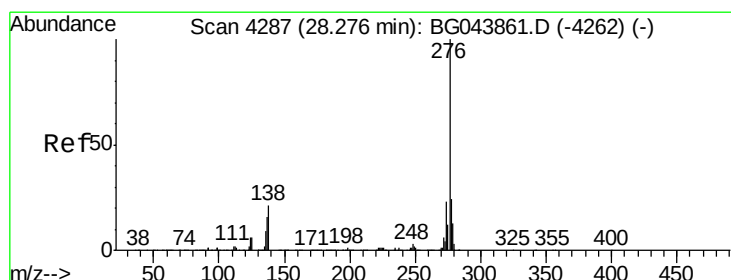
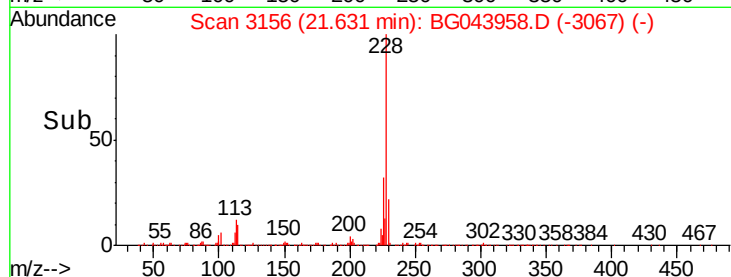
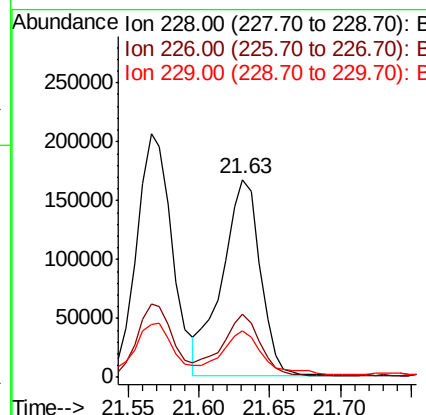
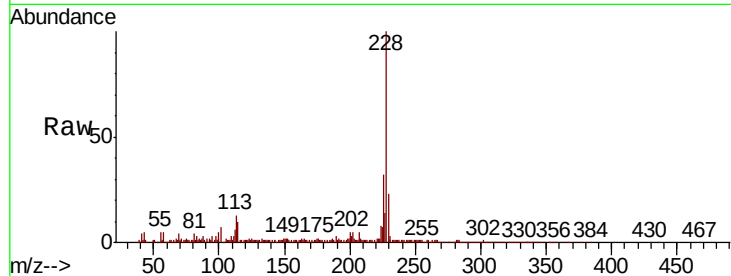
#83
Chrysene
Concen: 7.671 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG043958.D
Acq: 7 Jan 2020 17:35

Instrument :
BNA_G
ClientSampleId :
GP-6-(4-6)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	28.8	43.2
229	23.4	19.0	28.6

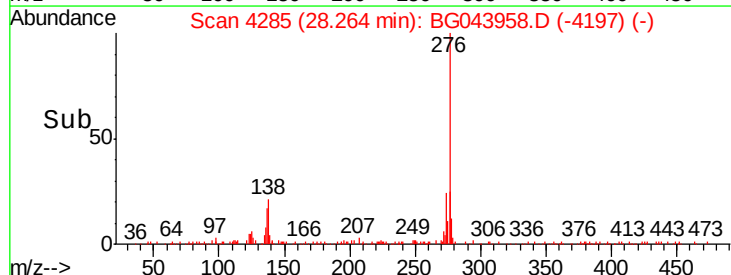
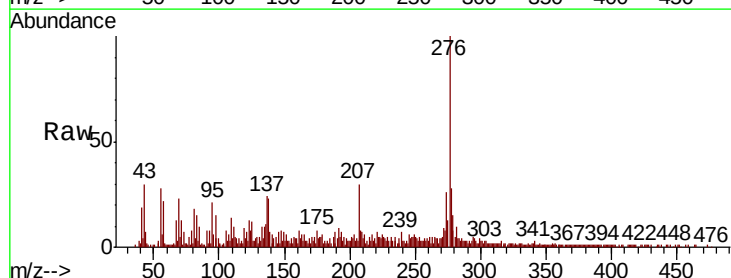
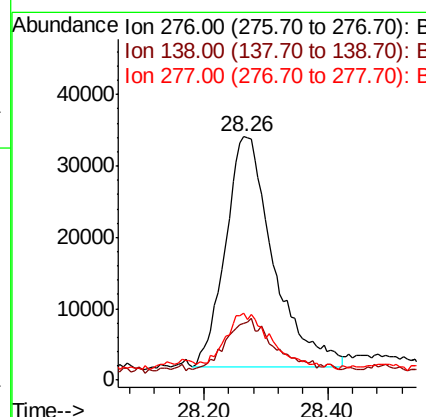
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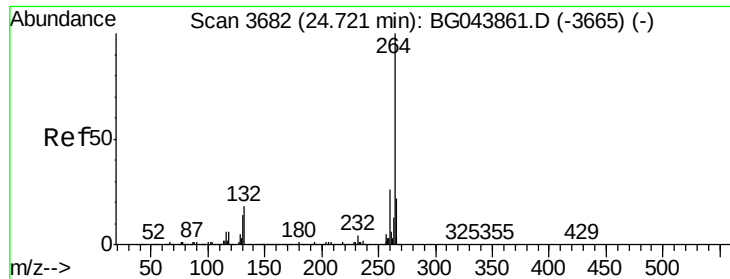
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.110 ng
RT: 28.26 min Scan# 4285
Delta R.T. -0.01 min
Lab File: BG043958.D
Acq: 7 Jan 2020 17:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	21.0	31.4
277	23.5	21.1	31.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.72 min Scan# 3682

Delta R.T. -0.00 min

Lab File: BG043958.D

Acq: 7 Jan 2020 17:35

Instrument :

BNA_G

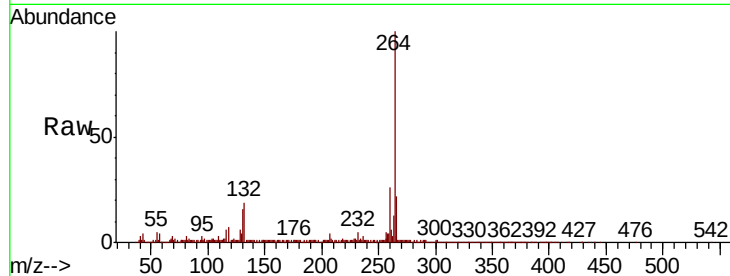
ClientSampleId :

GP-6-(4-6)

Tot Ion:	264	Resp:	787957
Ion Ratio		Lower	Upper
264	100		
260	25.9	20.4	30.6
265	21.7	17.4	26.2

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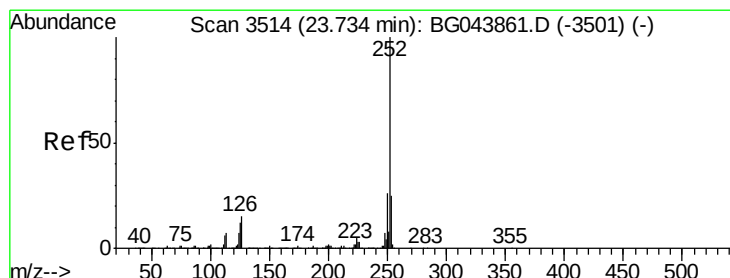
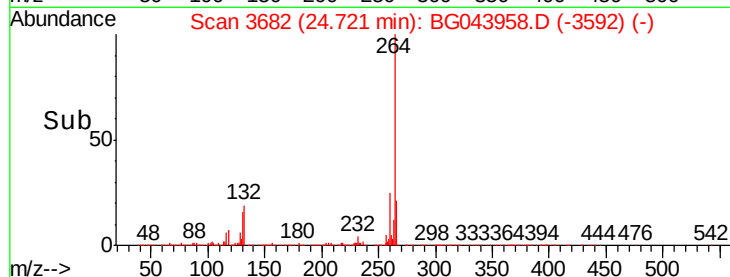
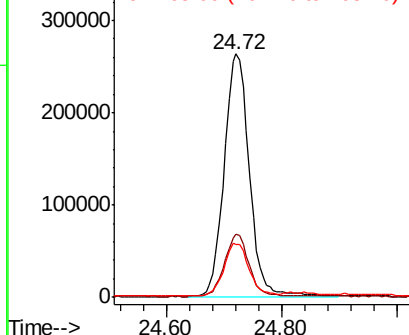


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 8.998 ng

RT: 23.73 min Scan# 3513

Delta R.T. -0.01 min

Lab File: BG043958.D

Acq: 7 Jan 2020 17:35

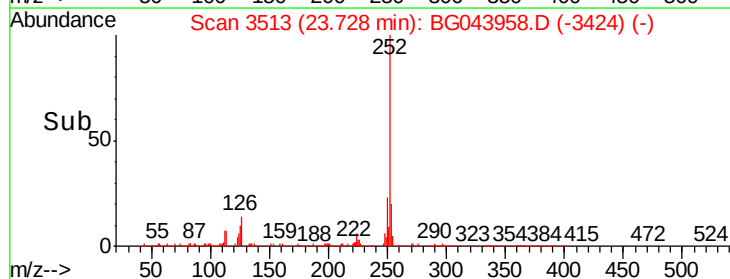
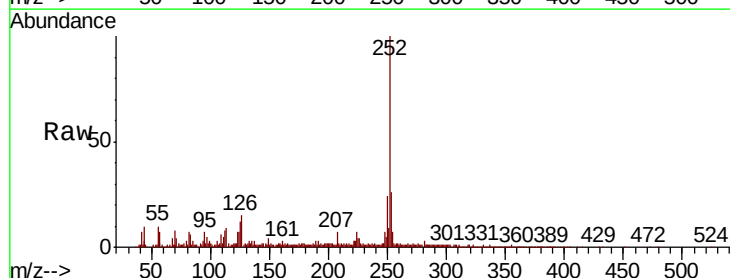
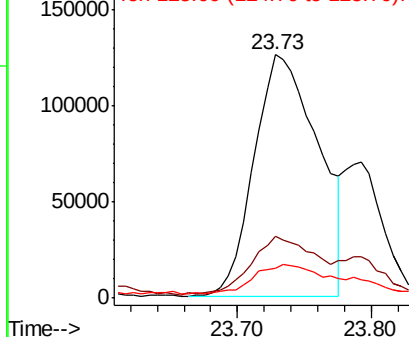
Tgt Ion:	252	Resp:	419161
Ion Ratio		Lower	Upper
252	100		
253	25.6	19.7	29.5
125	12.4	9.4	14.2

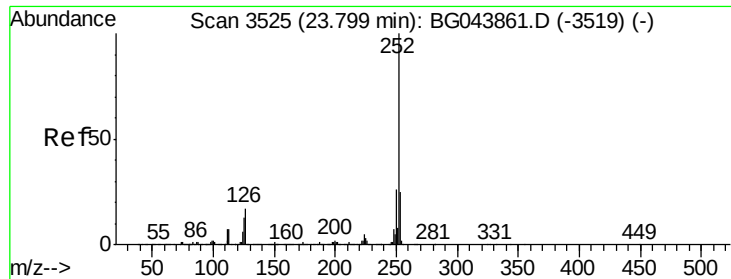
Abundance

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





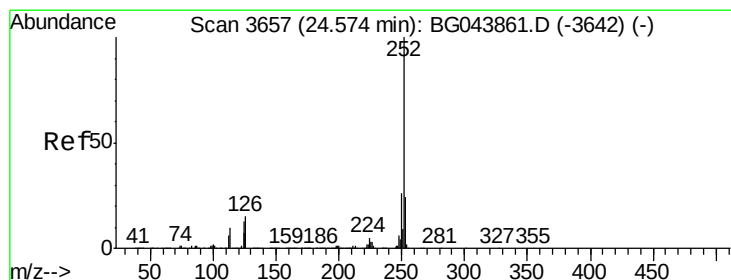
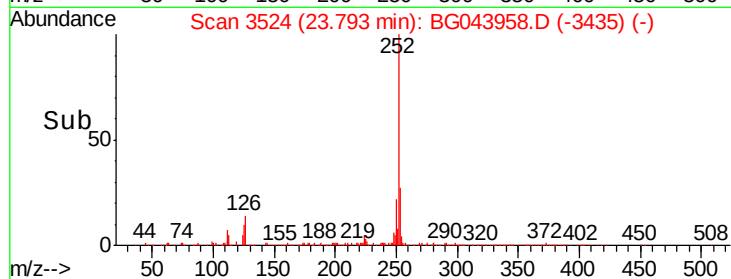
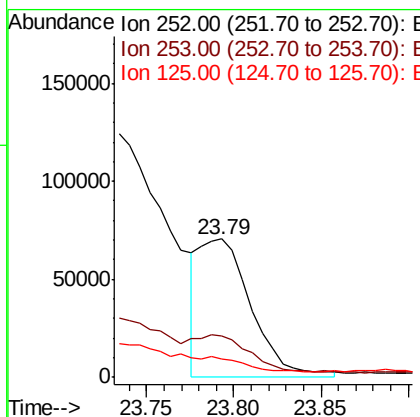
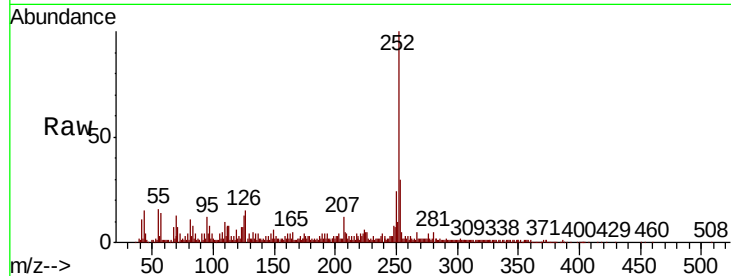
#89
Benzo(k)fluoranthene
Concen: 3.301 ng m
RT: 23.79 min Scan# 3524
Delta R.T. -0.01 min
Lab File: BG043958.D
Acq: 7 Jan 2020 17:35

Instrument :
BNA_G
ClientSampleId :
GP-6-(4-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.2	19.4	29.2#
125	13.2	9.9	14.9

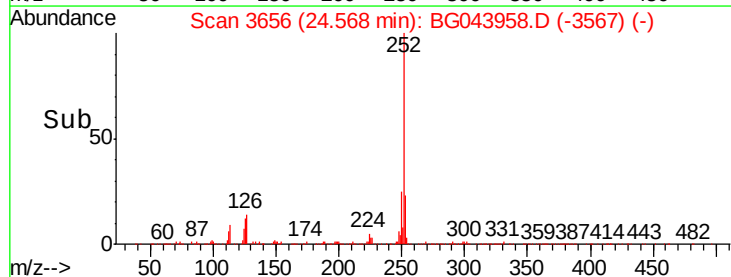
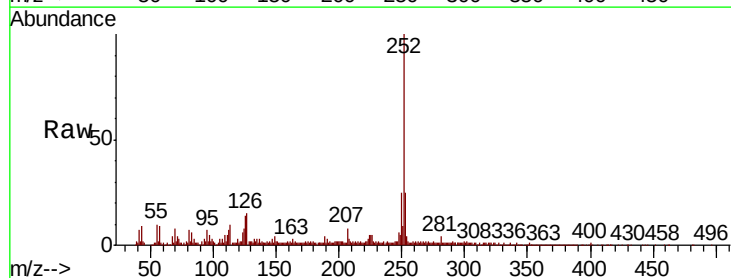
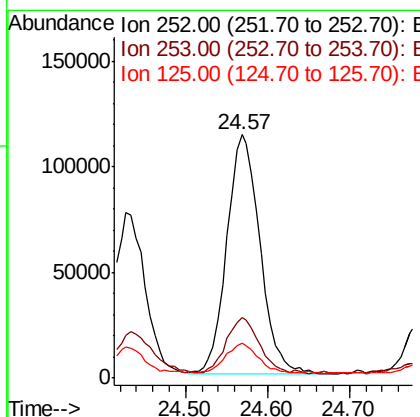
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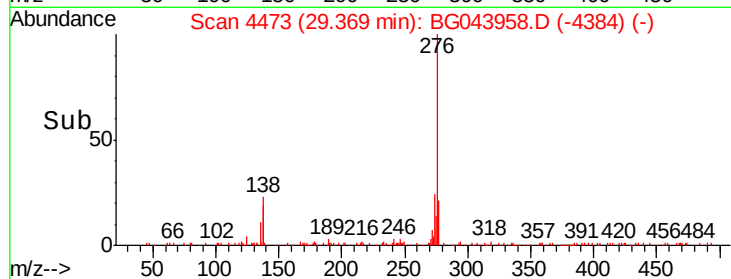
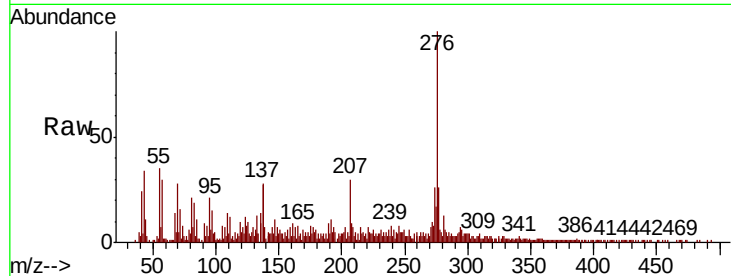
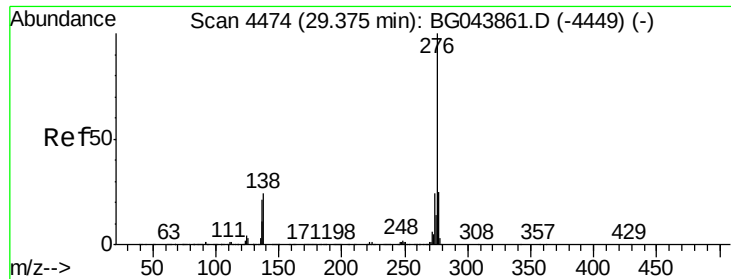
mohammad
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#90
Benzo(a)pyrene
Concen: 7.317 ng
RT: 24.57 min Scan# 3656
Delta R.T. -0.01 min
Lab File: BG043958.D
Acq: 7 Jan 2020 17:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.3	28.9
125	14.4	10.4	15.6





#92
 Benzo(a,h,i)perylene
 Concen: 3.630 ng
 RT: 29.37 min Scan# 4473
 Delta R.T. -0.01 min
 Lab File: BG043958.D
 Acq: 7 Jan 2020 17:35

Instrument :
 BNA_G
 ClientSampleId :
 GP-6-(4-6)

Tot Ion:	276	Resp:	159229
Ion Ratio	Lower	Upper	
276	100		
277	26.0	20.2	30.4
138	26.7	19.0	28.6

Manual Integrations
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