

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\
 Data File : BG044510.D
 Acq On : 20 Feb 2020 4:35
 Operator : CG/JU
 Sample : L1547-23
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MARCY-GREEN-BH-04-B

Manual Integrations
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Quant Time: Feb 20 08:35:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	71426	20.00	ng	-0.02
21) Naphthalene-d8	10.69	136	295052	20.00	ng	-0.01
39) Acenaphthene-d10	14.53	164	181441	20.00	ng	-0.02
64) Phenanthrene-d10	17.27	188	397244	20.00	ng	-0.02
76) Chrysene-d12	21.52	240	373806	20.00	ng	-0.02
87) Perylene-d12	24.60	264	404746	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	425697	105.18	ng	0.00
7) Phenol-d6	7.07	99	561166	103.26	ng	-0.01
23) Nitrobenzene-d5	9.05	82	345259	66.06	ng	-0.02
42) 2,4,6-Tribromophenol	16.02	330	223472	104.92	ng	-0.01
45) 2-Fluorobiphenyl	13.15	172	749612	69.18	ng	-0.01
79) Terphenyl-d14	19.89	244	1086171	59.77	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	13.98	163	55740	4.274	ng	97
71) Phenanthrene	17.32	178	218118	11.339	ng	95
72) Anthracene	17.41	178	66756m	3.510	ng	
75) Fluoranthene	19.33	202	581007	26.110	ng	98
78) Pyrene	19.69	202	539424	22.470	ng	95
81) Benzo(a)anthracene	21.50	228	292664	12.704	ng	96
83) Chrysene	21.57	228	251453	11.292	ng	97
86) Indeno(1,2,3-cd)pyrene	28.09	276	209282	7.204	ng	93
88) Benzo(b)fluoranthene	23.63	252	384177	16.472	ng	99
89) Benzo(k)fluoranthene	23.69	252	133889m	5.890	ng	
90) Benzo(a)pyrene	24.46	252	302248	13.706	ng	99
91) Dibenzo(a,h)anthracene	28.13	278	45422	2.081	ng	97
92) Benzo(a,h,i)perylene	29.17	276	234544	10.736	ng	97

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

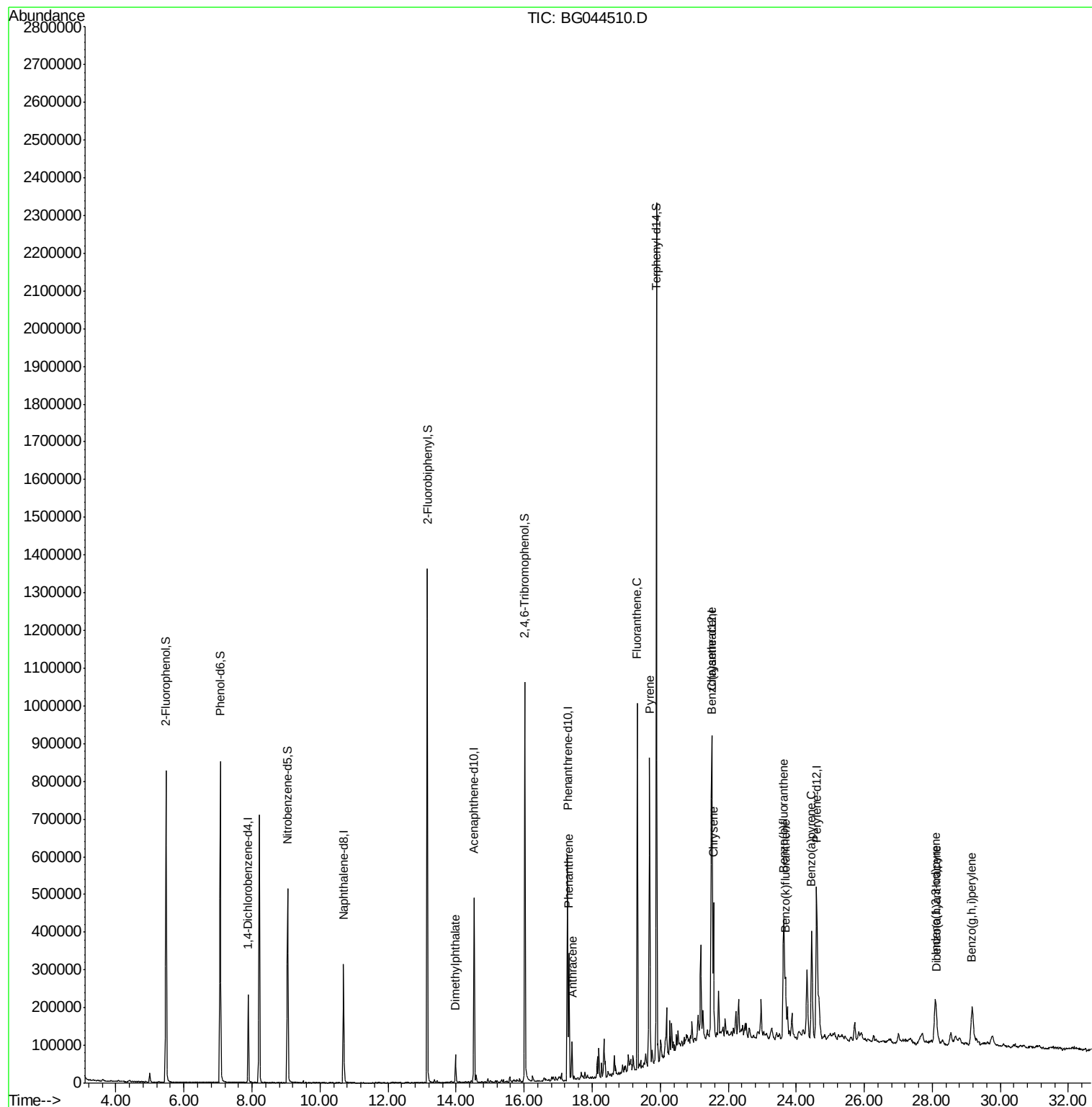
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\
Data File : BG044510.D
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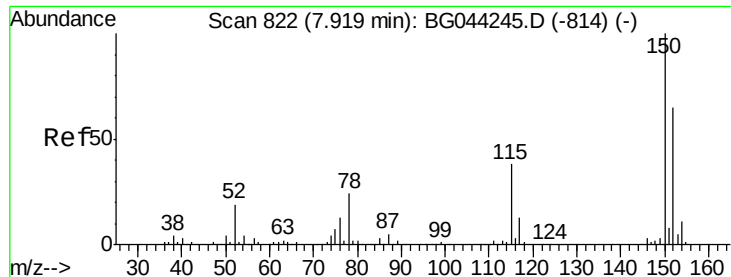
Instrument :
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#1

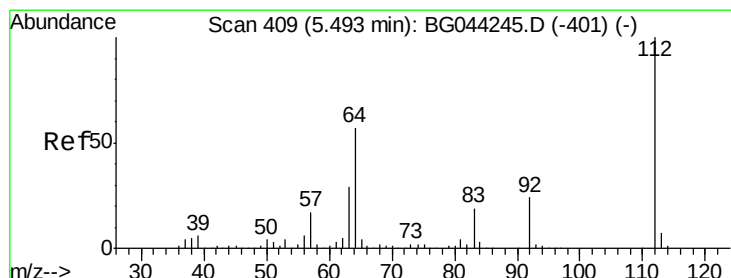
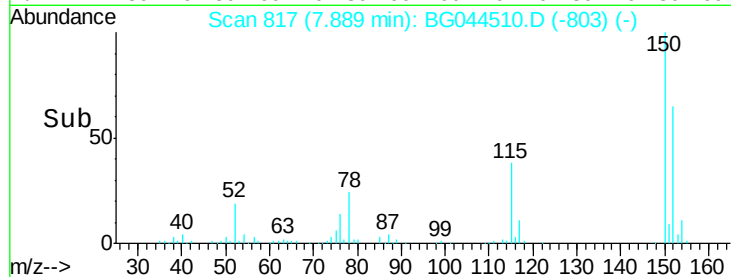
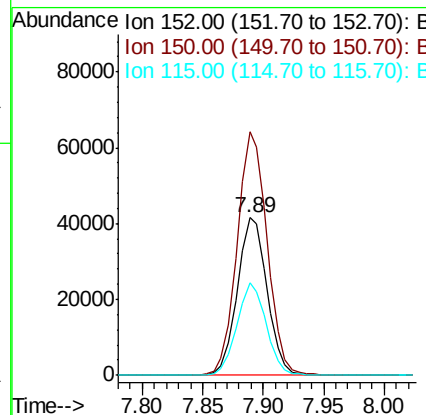
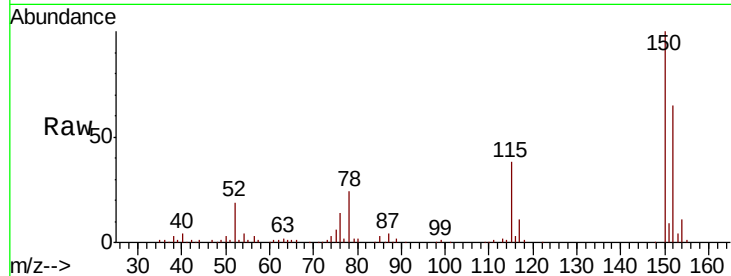
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 817
Delta R.T. -0.02 min
Lab File: BG044510.D
Acq: 20 Feb 2020 4:35

Instrument :
BNA_G
ClientSampleId :
MARCY-GREEN-BH-04-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	122.6	183.8
115	59.0	46.0	69.0

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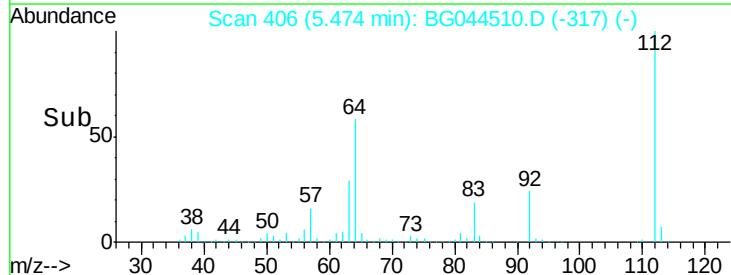
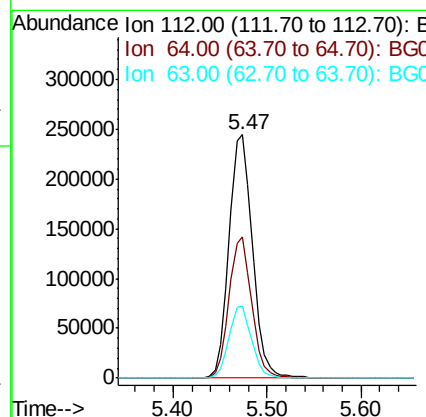
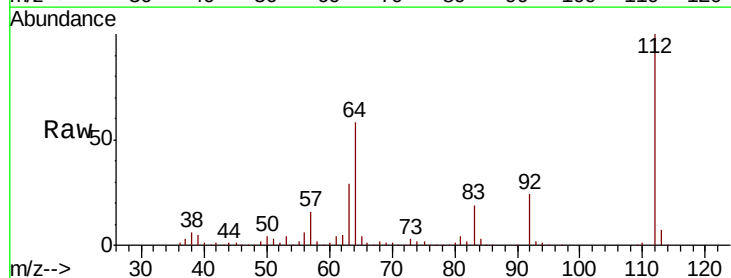
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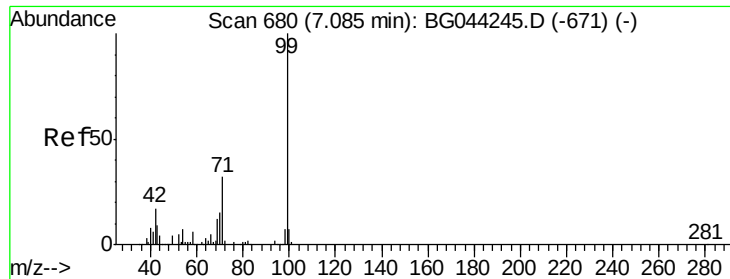


#5

2-Fluorophenol
Concen: 105.184 ng
RT: 5.47 min Scan# 406
Delta R.T. -0.00 min
Lab File: BG044510.D
Acq: 20 Feb 2020 4:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	45.4	68.2
63	29.5	22.9	34.3





#7

Phenol-d6

Concen: 103.256 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG044510.D

Acq: 20 Feb 2020 4:35

Instrument :

BNA_G

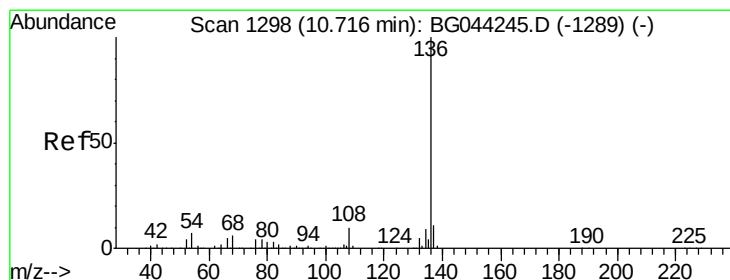
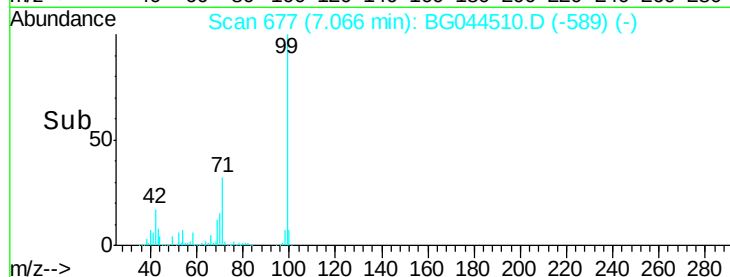
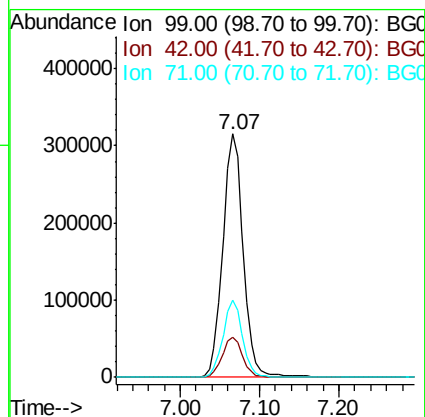
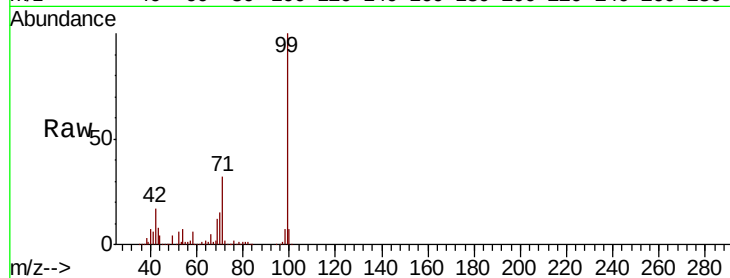
ClientSampleId :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		561166		
42	16.6	13.8	20.6		
71	31.5	25.5	38.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

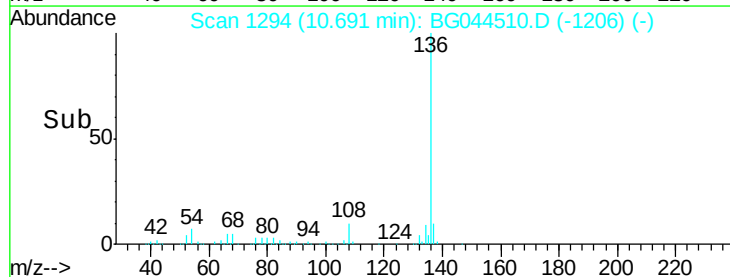
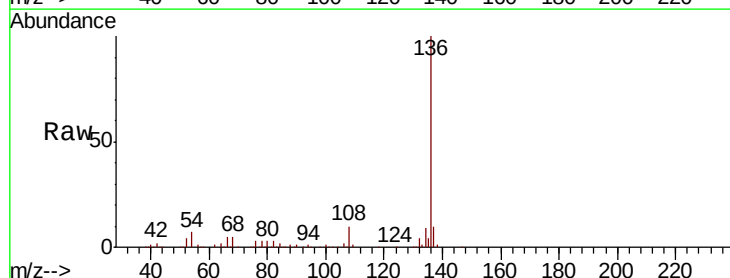
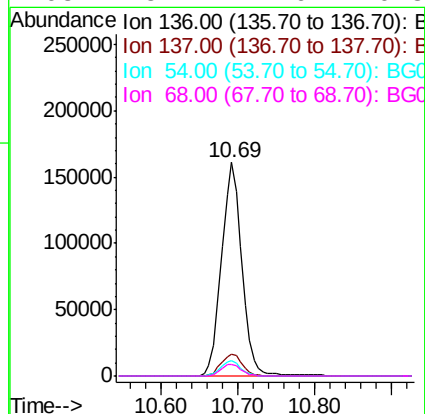
RT: 10.69 min Scan# 1294

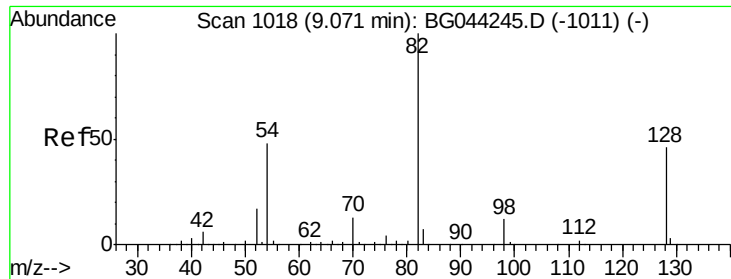
Delta R.T. -0.01 min

Lab File: BG044510.D

Acq: 20 Feb 2020 4:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		295052		
137	10.1	8.8	13.2		
54	7.4	5.8	8.8		
68	5.4	4.6	6.8		





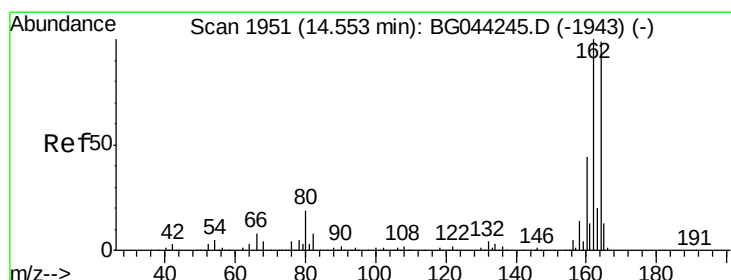
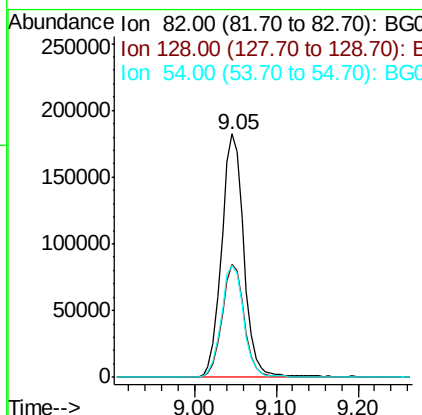
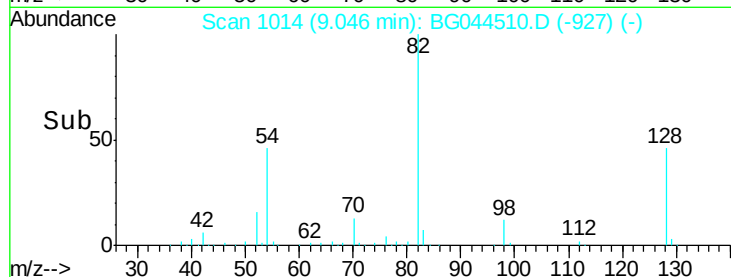
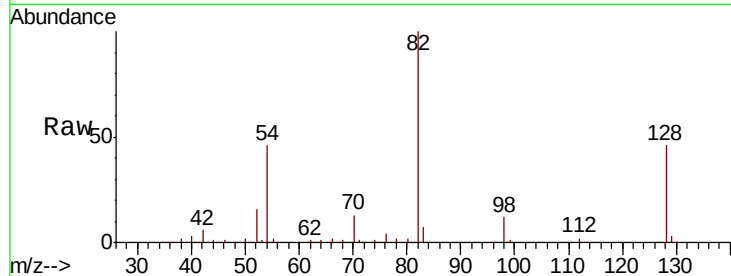
#23
 Nitrobenzene-d5
 Concen: 66.063 ng
 RT: 9.05 min Scan# 1014
 Delta R.T. -0.02 min
 Lab File: BG044510.D
 Acq: 20 Feb 2020 4:35

Instrument :
 BNA_G
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.5	36.5	54.7	
54	46.1	38.6	58.0	

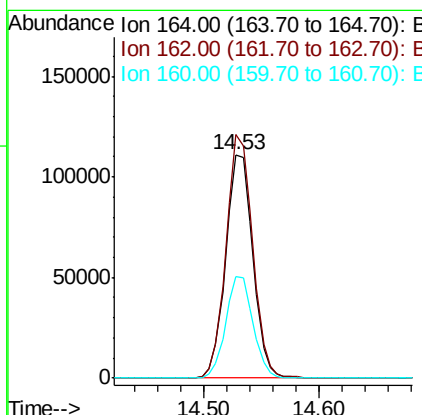
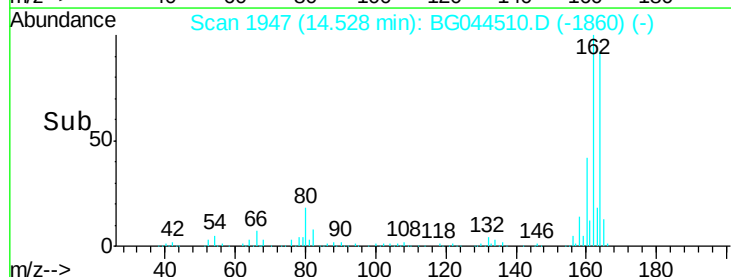
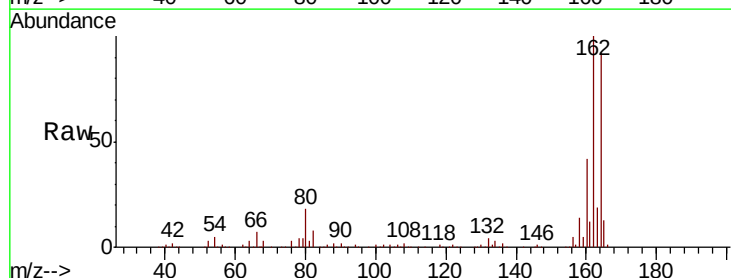
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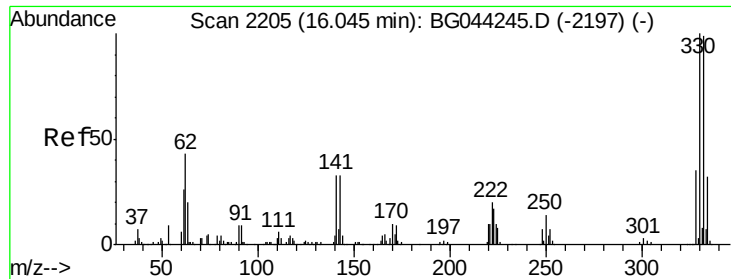
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. -0.02 min
 Lab File: BG044510.D
 Acq: 20 Feb 2020 4:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	109.0	80.7	121.1	
160	45.4	35.3	52.9	





#42

2,4,6-Tribromophenol

Concen: 104.916 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG044510.D

Acq: 20 Feb 2020 4:35

Instrument :

BNA_G

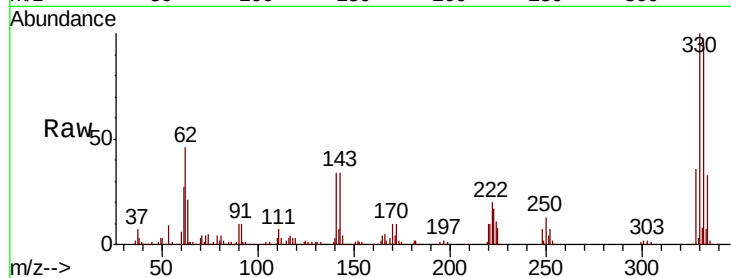
ClientSampleId :

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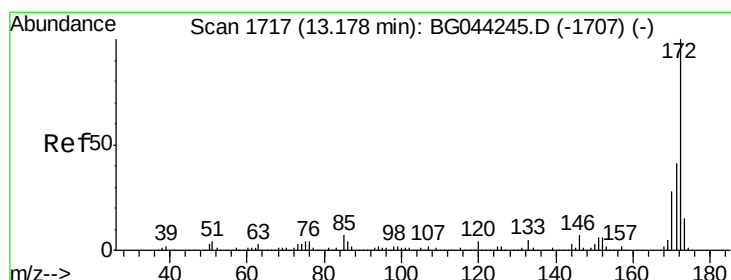
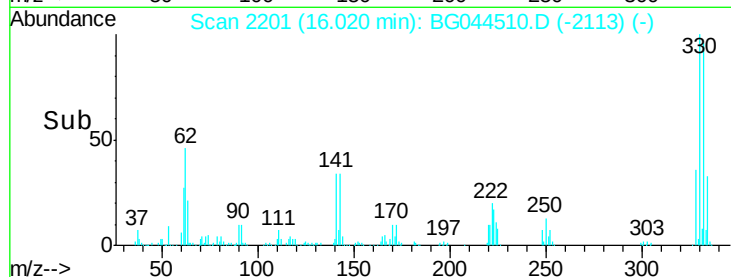
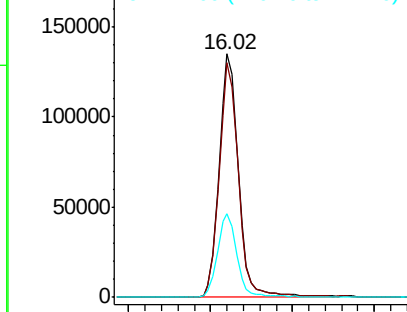
Tot Ion:	330	Resp:	223472
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.2	115.8
141	34.8	28.3	42.5

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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: 69.183 ng

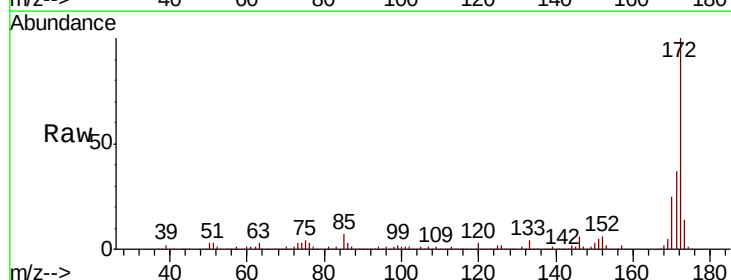
RT: 13.15 min Scan# 1713

Delta R.T. -0.01 min

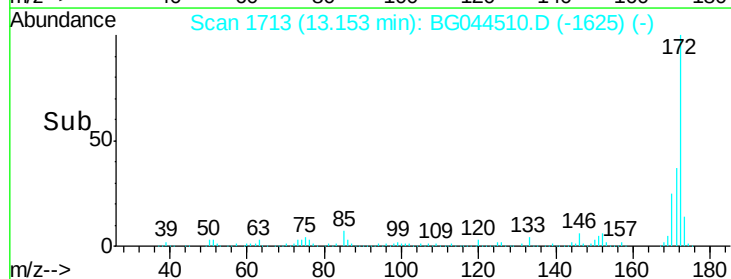
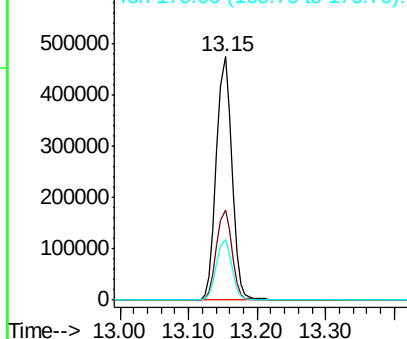
Lab File: BG044510.D

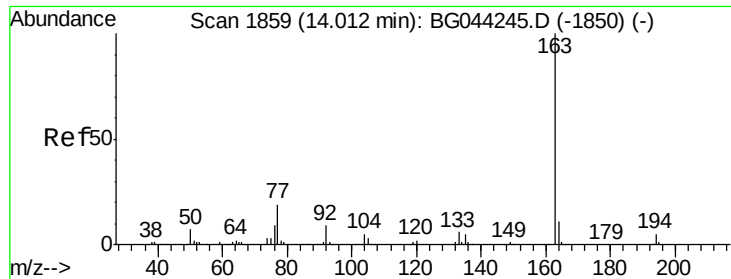
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Tgt Ion:	172	Resp:	749612
Ion Ratio	Lower	Upper	
172	100		
171	36.9	32.9	49.3
170	24.7	22.0	33.0



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: 4.274 ng

RT: 13.98 min Scan# 1854

Delta R.T. -0.02 min

Lab File: BG044510.D

Acq: 20 Feb 2020 4:35

Instrument :

BNA_G

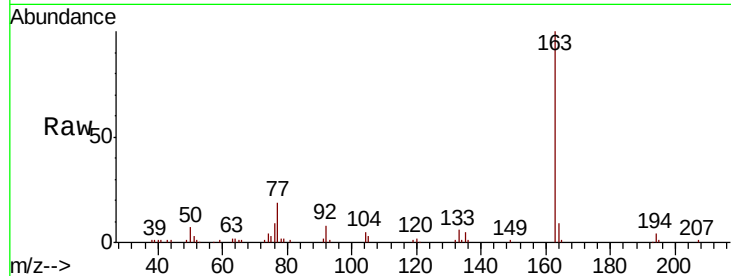
ClientSampleId :

MARCY-GREEN-BH-04-B

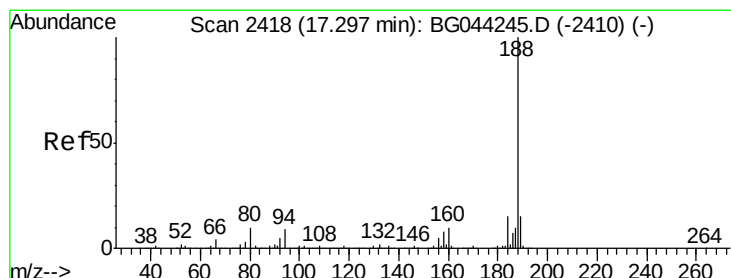
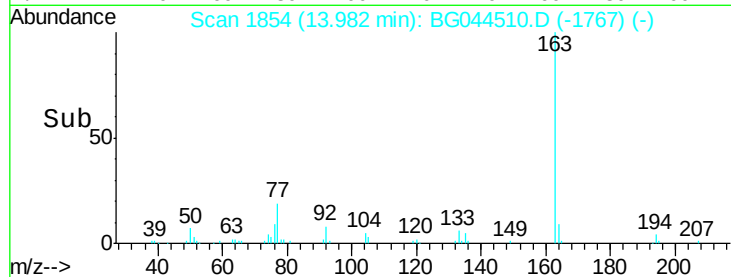
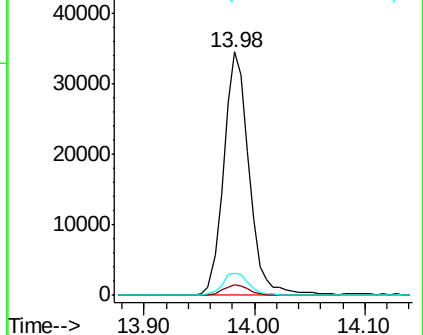
Tot Ion:	163	Resp:	55740
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.6	5.4
164	9.2	8.7	13.1

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.27 min Scan# 2414

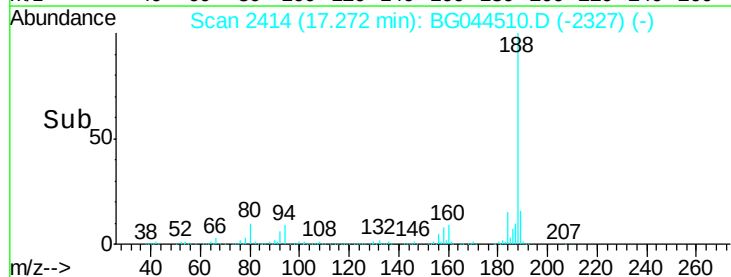
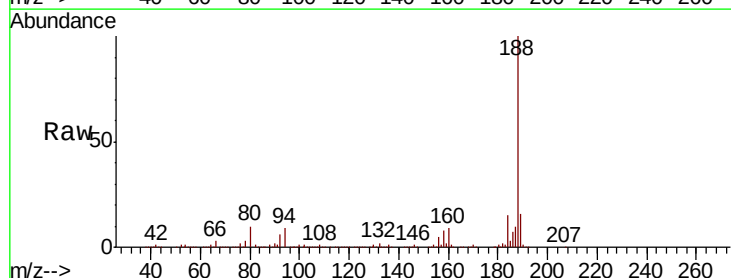
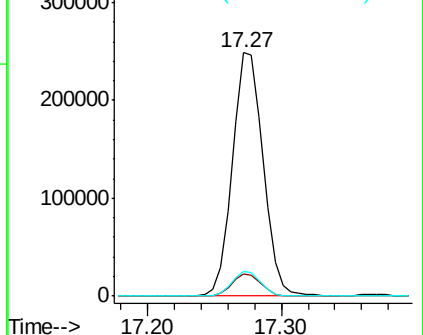
Delta R.T. -0.02 min

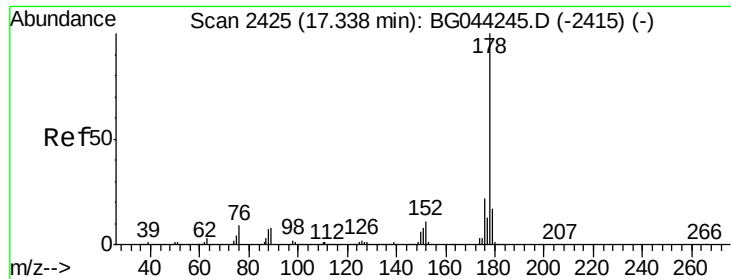
Lab File: BG044510.D

Acq: 20 Feb 2020 4:35

Tgt Ion:	188	Resp:	397244
Ion Ratio	Lower	Upper	
188	100		
94	9.1	7.4	11.2
80	10.2	7.7	11.5

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





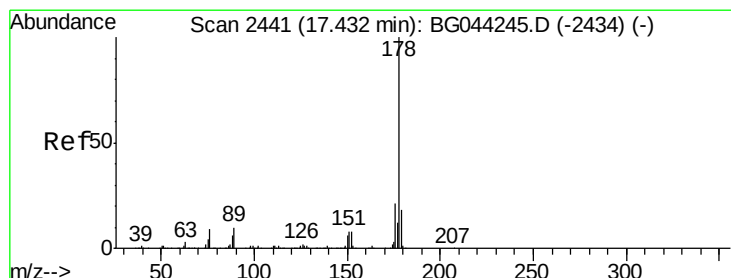
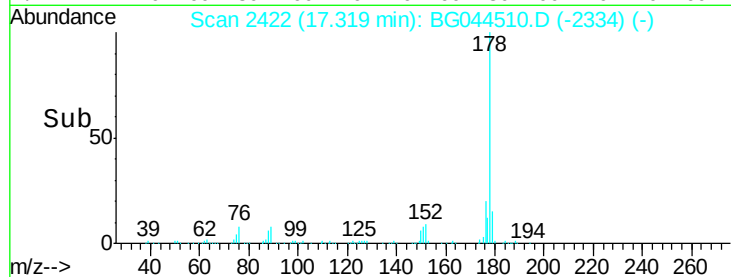
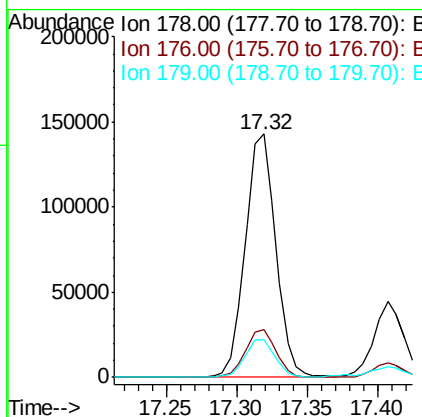
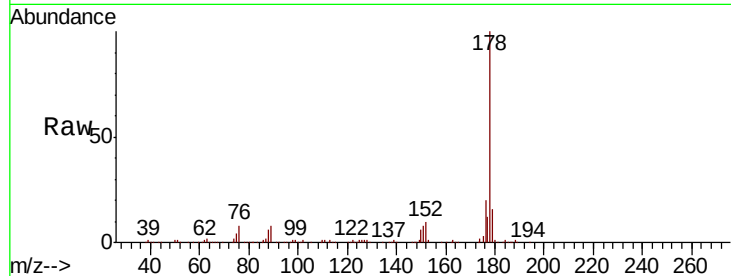
#71
 Phenanthrene
 Concen: 11.339 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BG044510.D
 Acq: 20 Feb 2020 4:35

Instrument :
 BNA_G
 ClientSampleId :
 MARCY-GREEN-BH-04-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	17.7	26.5
179	15.5	13.7	20.5

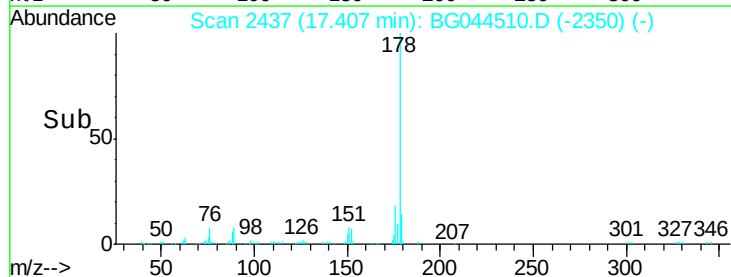
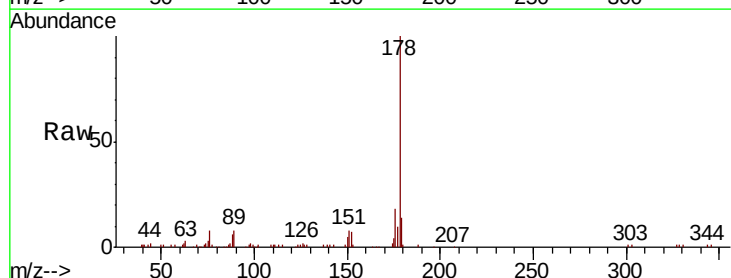
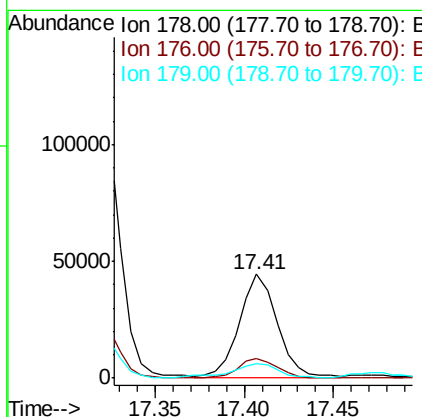
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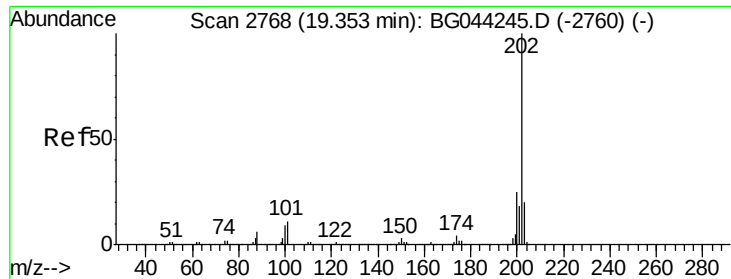
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#72
 Anthracene
 Concen: 3.510 ng m
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.02 min
 Lab File: BG044510.D
 Acq: 20 Feb 2020 4:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	17.0	25.4
179	14.4	14.4	21.6





#75

Fluoranthene

Concen: 26.110 ng

RT: 19.33 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BG044510.D

Acq: 20 Feb 2020 4:35

Instrument :

BNA_G

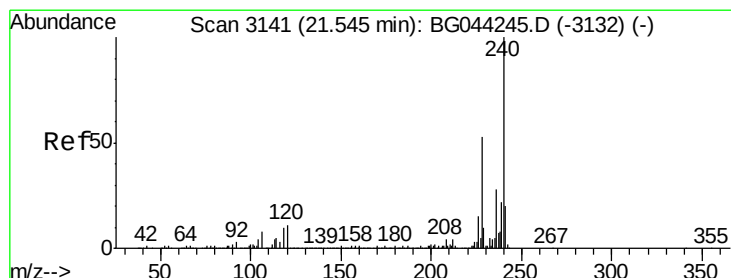
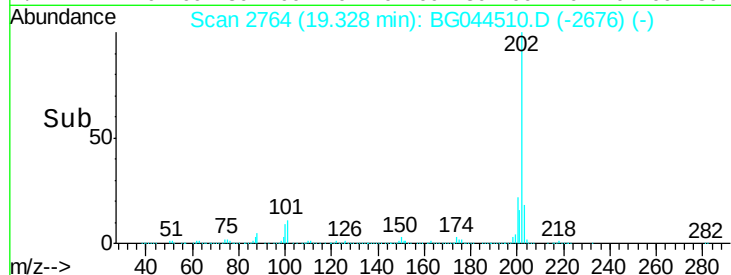
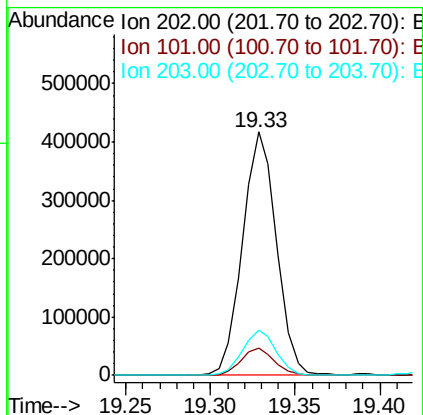
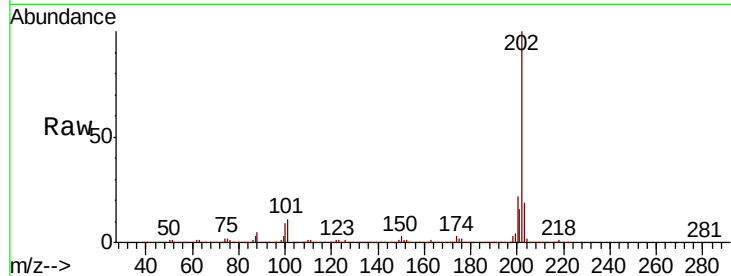
ClientSampleId :

MARCY-GREEN-BH-04-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		581007		
101	11.0	0.0	31.3		
203	18.5	0.0	39.9		

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#76

Chrysene-d12

Concen: 20.000 ng

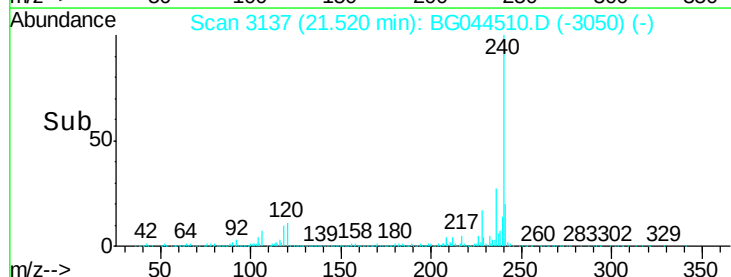
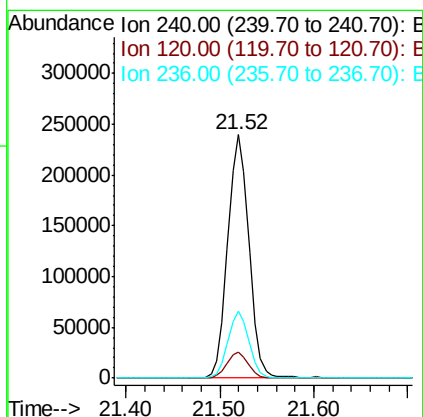
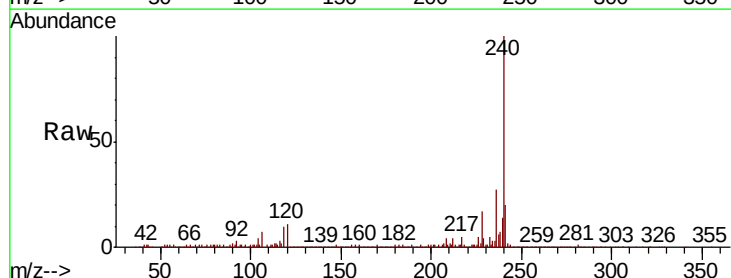
RT: 21.52 min Scan# 3137

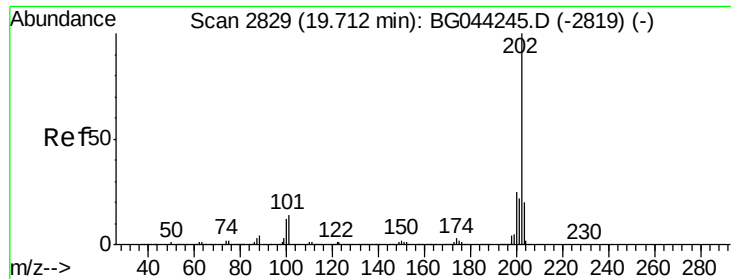
Delta R.T. -0.02 min

Lab File: BG044510.D

Acq: 20 Feb 2020 4:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		373806		
120	10.9	8.4	12.6		
236	27.3	22.1	33.1		





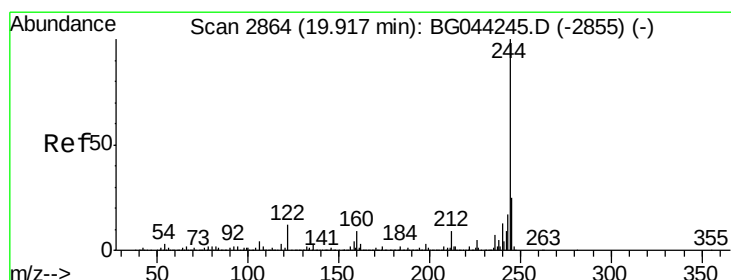
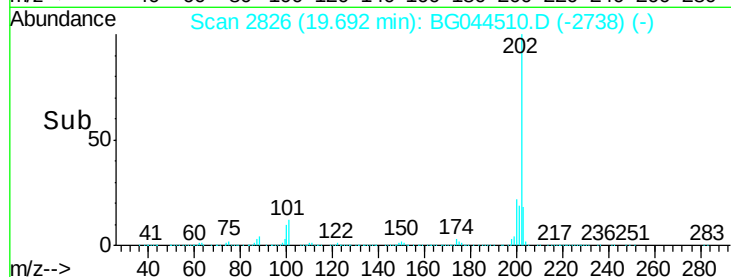
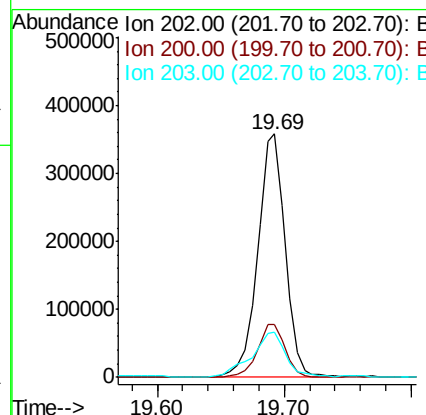
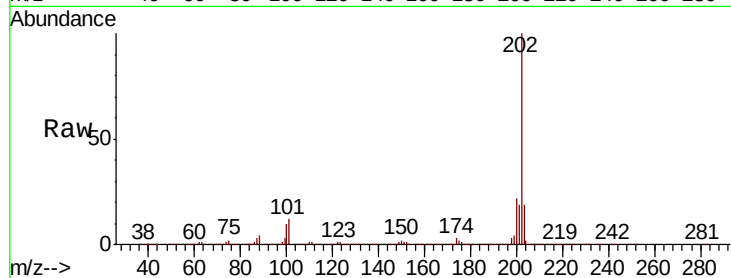
#78
Pvrene
Concen: 22.470 ng
RT: 19.69 min Scan# 2826
Delta R.T. -0.01 min
Lab File: BG044510.D
Acq: 20 Feb 2020 4:35

Instrument :
BNA_G
ClientSampleId :
MARCY-GREEN-BH-04-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	20.0	30.0
203	18.5	16.2	24.2

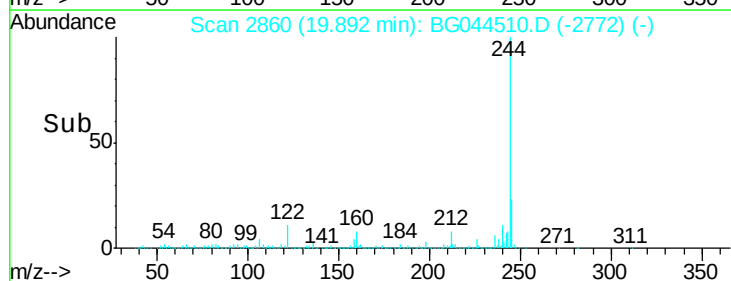
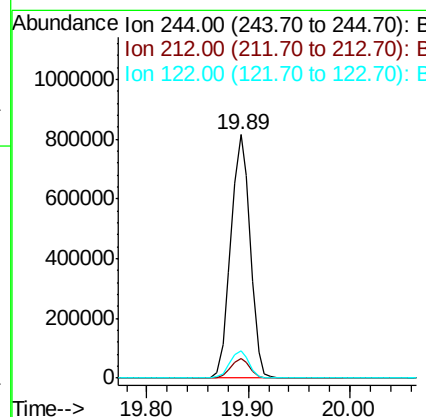
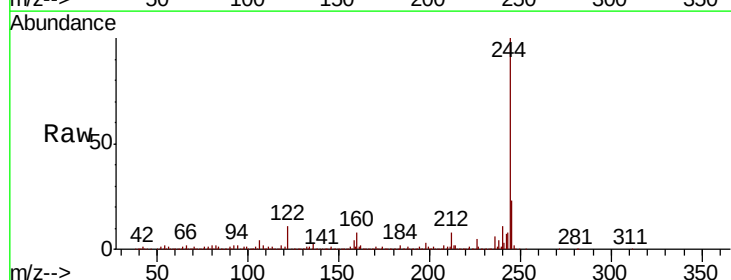
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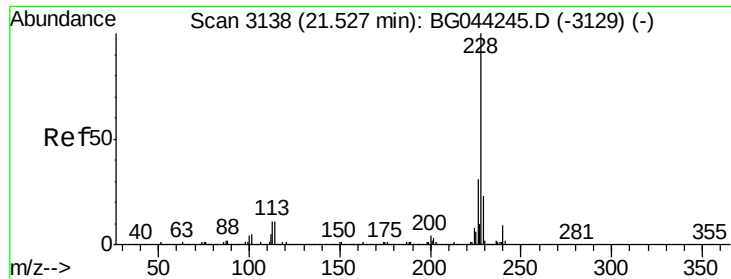
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#79
Terphenyl-d14
Concen: 59.767 ng
RT: 19.89 min Scan# 2860
Delta R.T. -0.01 min
Lab File: BG044510.D
Acq: 20 Feb 2020 4:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	7.4	11.2
122	11.2	9.8	14.6





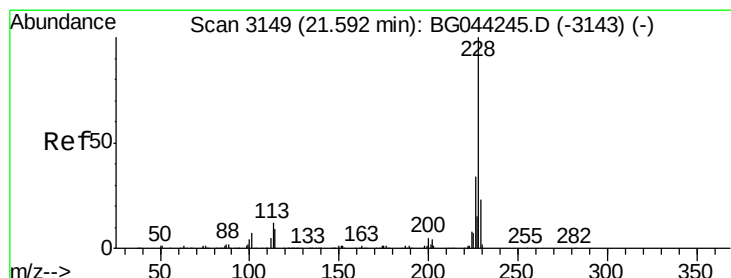
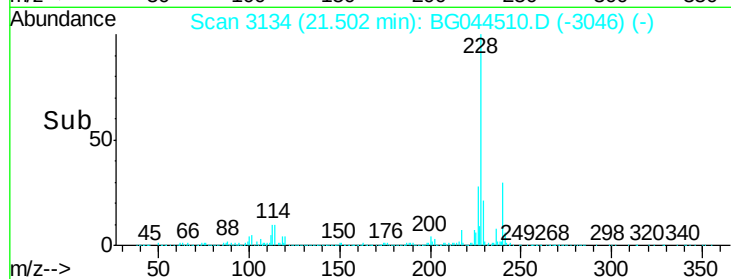
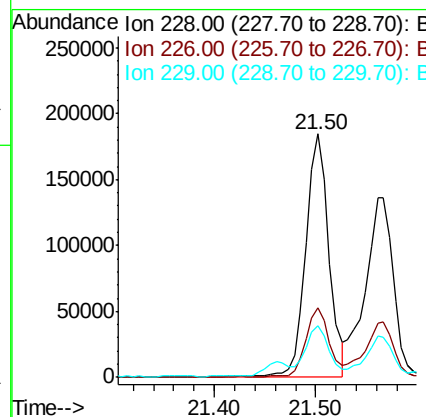
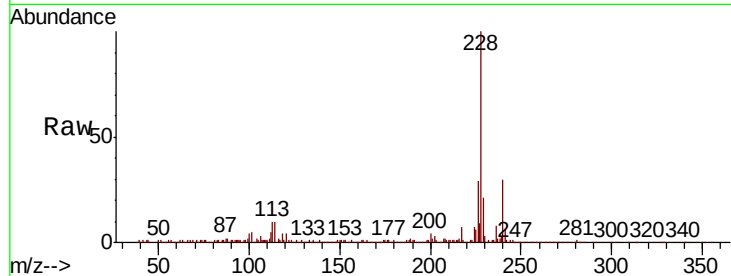
#81
Benzo(a)anthracene
Concen: 12.704 ng
RT: 21.50 min Scan# 3134
Delta R.T. -0.01 min
Lab File: BG044510.D
Acq: 20 Feb 2020 4:35

Instrument :
BNA_G
ClientSampleId :
MARCY-GREEN-BH-04-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.7	37.1
229	21.1	18.2	27.4

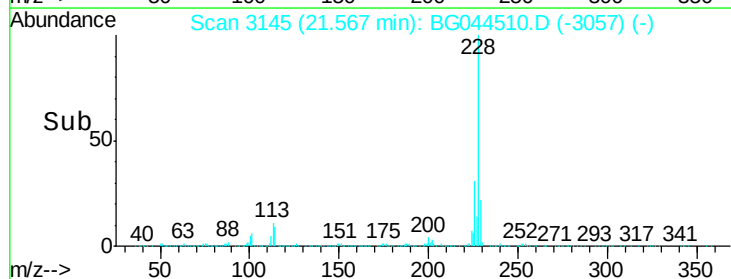
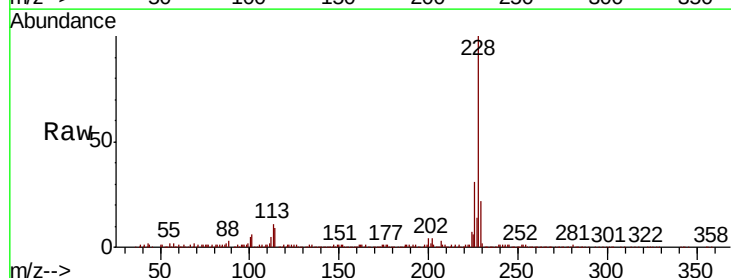
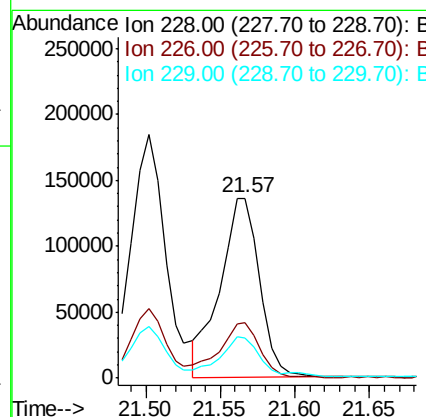
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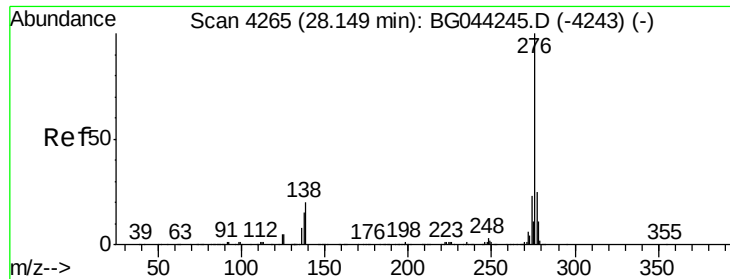
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#83
Chrysene
Concen: 11.292 ng
RT: 21.57 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG044510.D
Acq: 20 Feb 2020 4:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	27.1	40.7
229	22.3	17.9	26.9





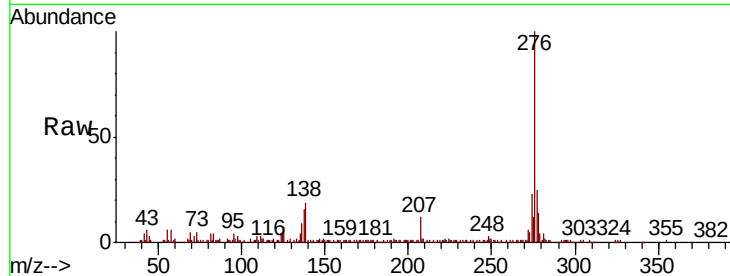
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.204 ng
 RT: 28.09 min Scan# 4255
 Delta R.T. -0.03 min
 Lab File: BG044510.D
 Acq: 20 Feb 2020 4:35

Instrument :
 BNA_G
 ClientSampleId :
 MARCY-GREEN-BH-04-B

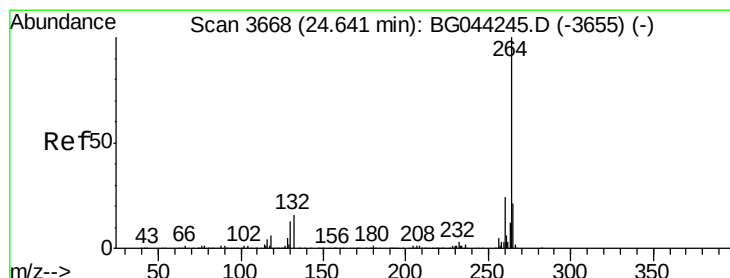
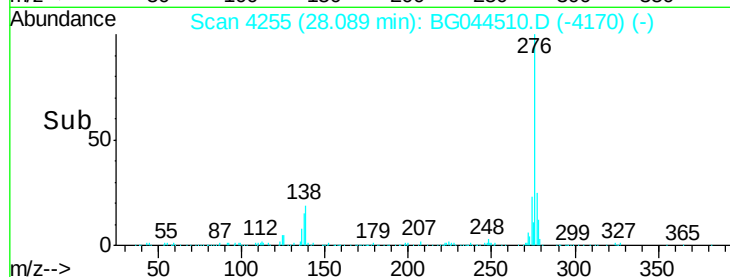
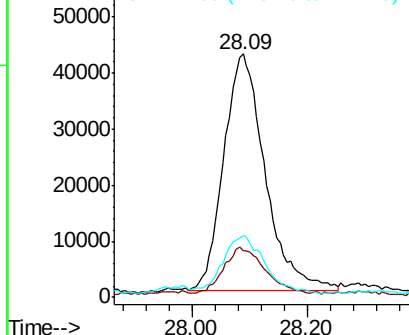
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	19.4	29.0
277	24.4	21.0	31.6

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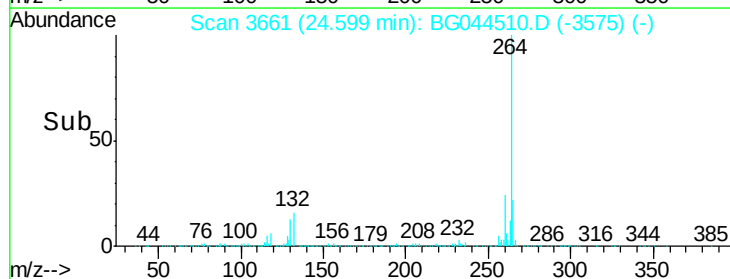
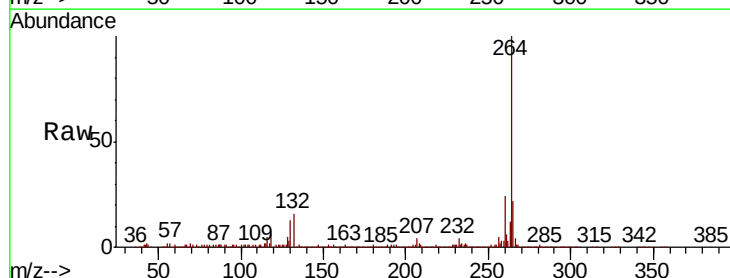
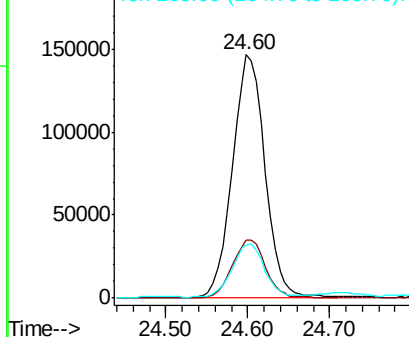
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

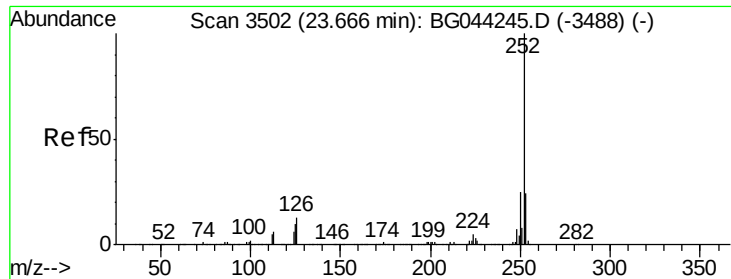


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.60 min Scan# 3661
 Delta R.T. -0.02 min
 Lab File: BG044510.D
 Acq: 20 Feb 2020 4:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	22.0	16.7	25.1

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





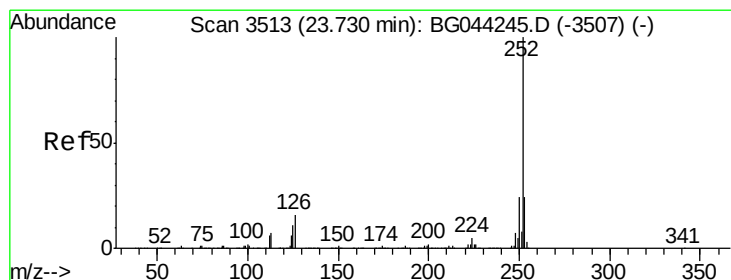
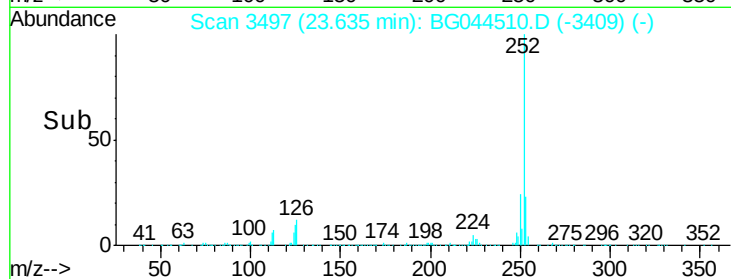
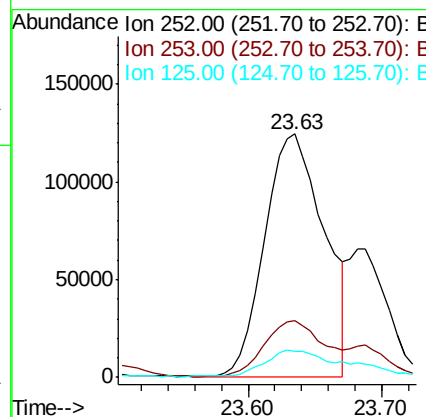
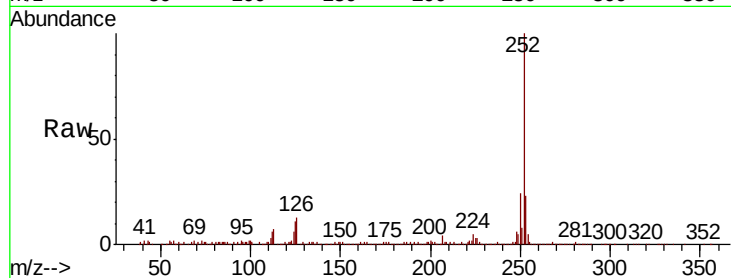
#88
Benzo(b)fluoranthene
Concen: 16.472 ng
RT: 23.63 min Scan# 3497
Delta R.T. -0.01 min
Lab File: BG044510.D
Acq: 20 Feb 2020 4:35

Instrument :
BNA_G
ClientSampleId :
MARCY-GREEN-BH-04-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.2	28.8
125	10.7	8.4	12.6

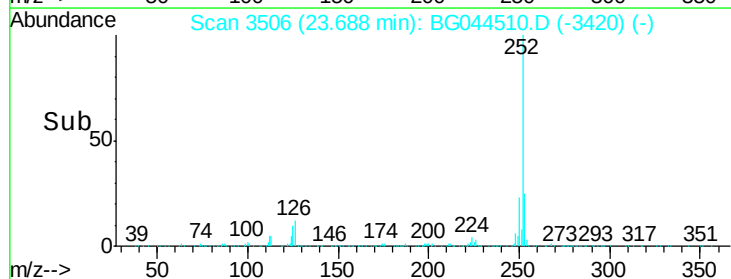
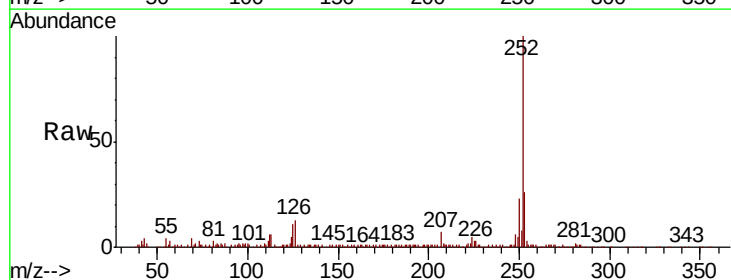
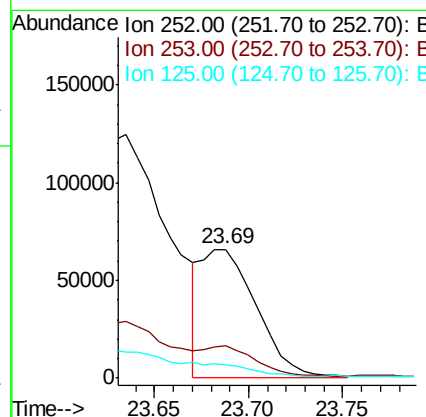
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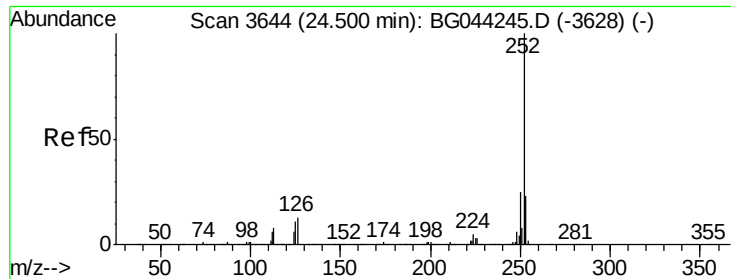
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#89
Benzo(k)fluoranthene
Concen: 5.890 ng m
RT: 23.69 min Scan# 3506
Delta R.T. -0.02 min
Lab File: BG044510.D
Acq: 20 Feb 2020 4:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	19.1	28.7
125	10.6	8.6	12.8





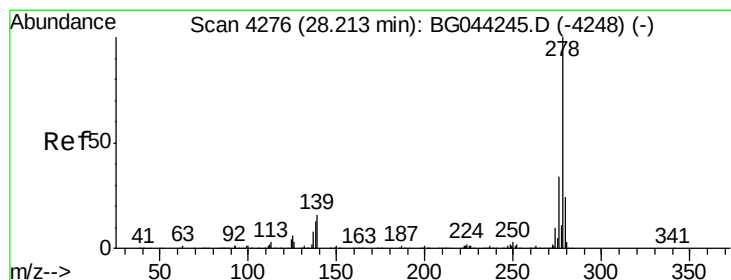
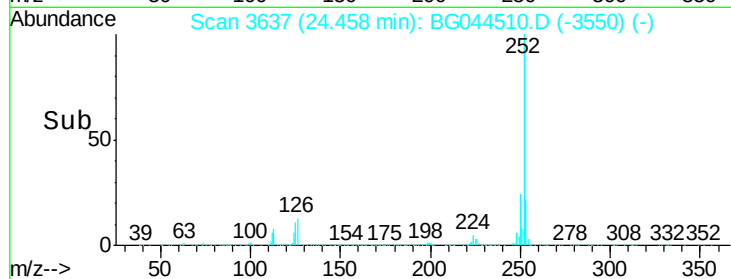
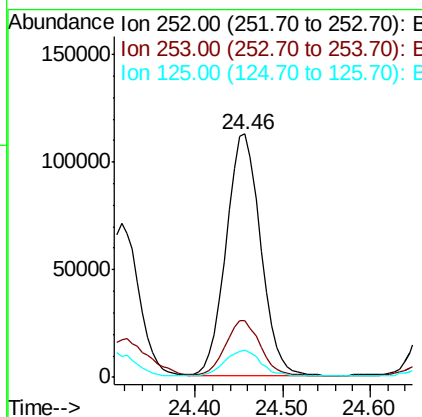
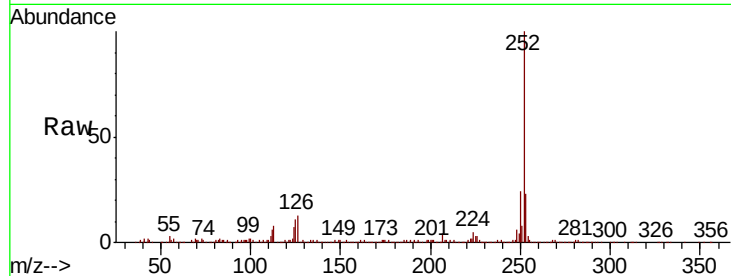
#90
Benzo(a)pyrene
Concen: 13.706 ng
RT: 24.46 min Scan# 3637
Delta R.T. -0.02 min
Lab File: BG044510.D
Acq: 20 Feb 2020 4:35

Instrument :
BNA_G
ClientSampleId :
MARCY-GREEN-BH-04-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	11.1	8.6	13.0

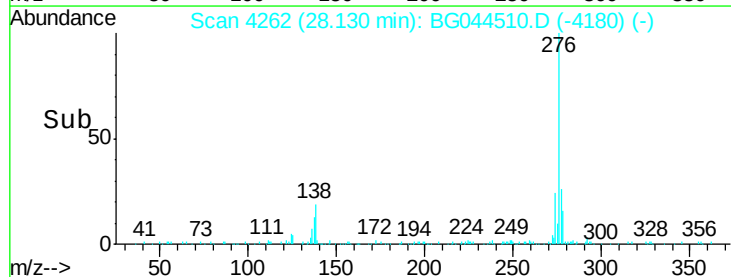
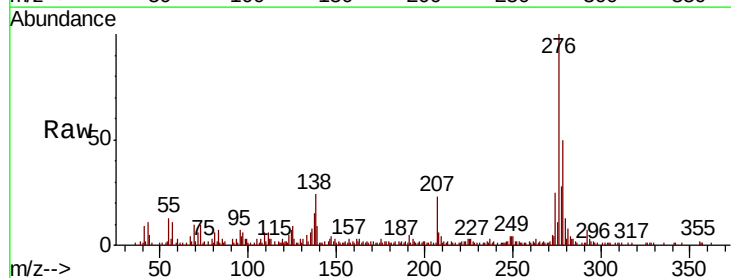
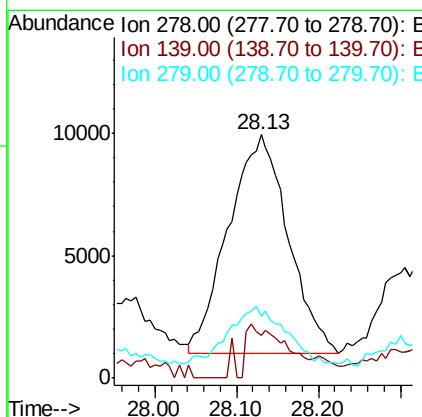
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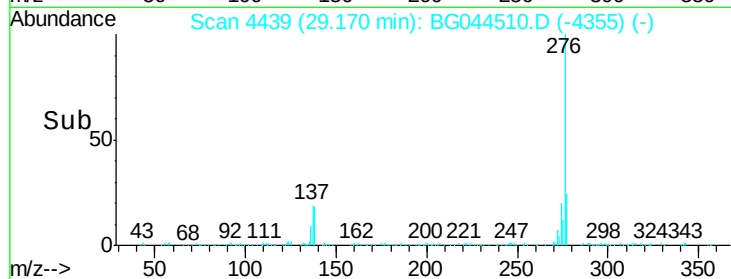
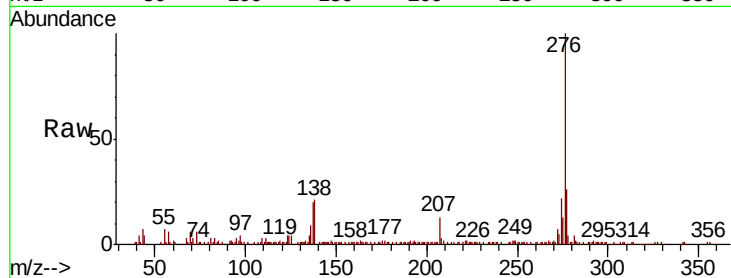
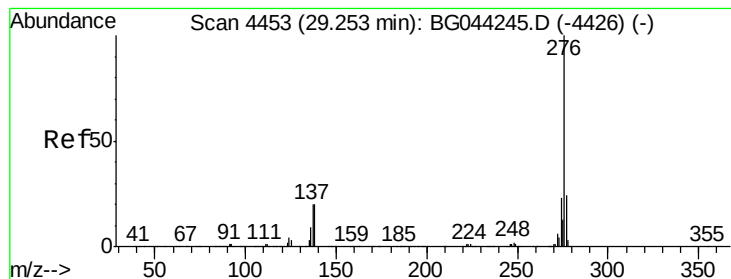
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#91
Dibenzo(a,h)anthracene
Concen: 2.081 ng
RT: 28.13 min Scan# 4262
Delta R.T. -0.05 min
Lab File: BG044510.D
Acq: 20 Feb 2020 4:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.6	12.7	19.1
279	25.4	19.3	28.9





#92

Benzo(a,h,i)perylene

Concen: 10.736 ng

RT: 29.17 min Scan# 4439

Delta R.T. -0.03 min

Lab File: BG044510.D

Acq: 20 Feb 2020 4:35

Instrument :

BNA_G

ClientSampleId :

MARCY-GREEN-BH-04-B

Tot Ion:	276	Resp:	234544
Ion Ratio	Lower	Upper	
276	100		
277	25.9	18.8	28.2
138	20.6	16.2	24.2

Manual Integrations
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