

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\
 Data File : BG044508.D
 Acq On : 20 Feb 2020 3:16
 Operator : CG/JU
 Sample : L1547-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MARCY-GREEN-BH-02-C

Manual Integrations
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mohammad
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Quant Time: Feb 20 08:29:26 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	64139	20.00	ng	-0.01
21) Naphthalene-d8	10.69	136	272101	20.00	ng	0.00
39) Acenaphthene-d10	14.53	164	183035	20.00	ng	-0.01
64) Phenanthrene-d10	17.27	188	398365	20.00	ng	-0.01
76) Chrysene-d12	21.52	240	373579	20.00	ng	-0.02
87) Perylene-d12	24.60	264	410253	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	364808	100.38	ng	0.00
7) Phenol-d6	7.07	99	495322	101.49	ng	0.00
23) Nitrobenzene-d5	9.05	82	304380	63.15	ng	-0.01
42) 2,4,6-Tribromophenol	16.02	330	205202	95.50	ng	0.00
45) 2-Fluorobiphenyl	13.15	172	738439	67.56	ng	-0.01
79) Terphenyl-d14	19.89	244	1134533	62.47	ng	0.00
Target Compounds						
71) Phenanthrene	17.31	178	107601	5.578	ng	96
75) Fluoranthene	19.32	202	237824	10.658	ng	98
78) Pyrene	19.69	202	224196	9.345	ng	94
81) Benzo(a)anthracene	21.50	228	110682	4.807	ng	98
83) Chrysene	21.56	228	94213	4.233	ng	96
86) Indeno(1,2,3-cd)pyrene	28.09	276	74085	2.552	ng	94
88) Benzo(b)fluoranthene	23.63	252	140403	5.939	ng	95
89) Benzo(k)fluoranthene	23.68	252	51692m	2.244	ng	
90) Benzo(a)pyrene	24.45	252	109788	4.912	ng	98
92) Benzo(g,h,i)perylene	29.18	276	72530	3.275	ng	97

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

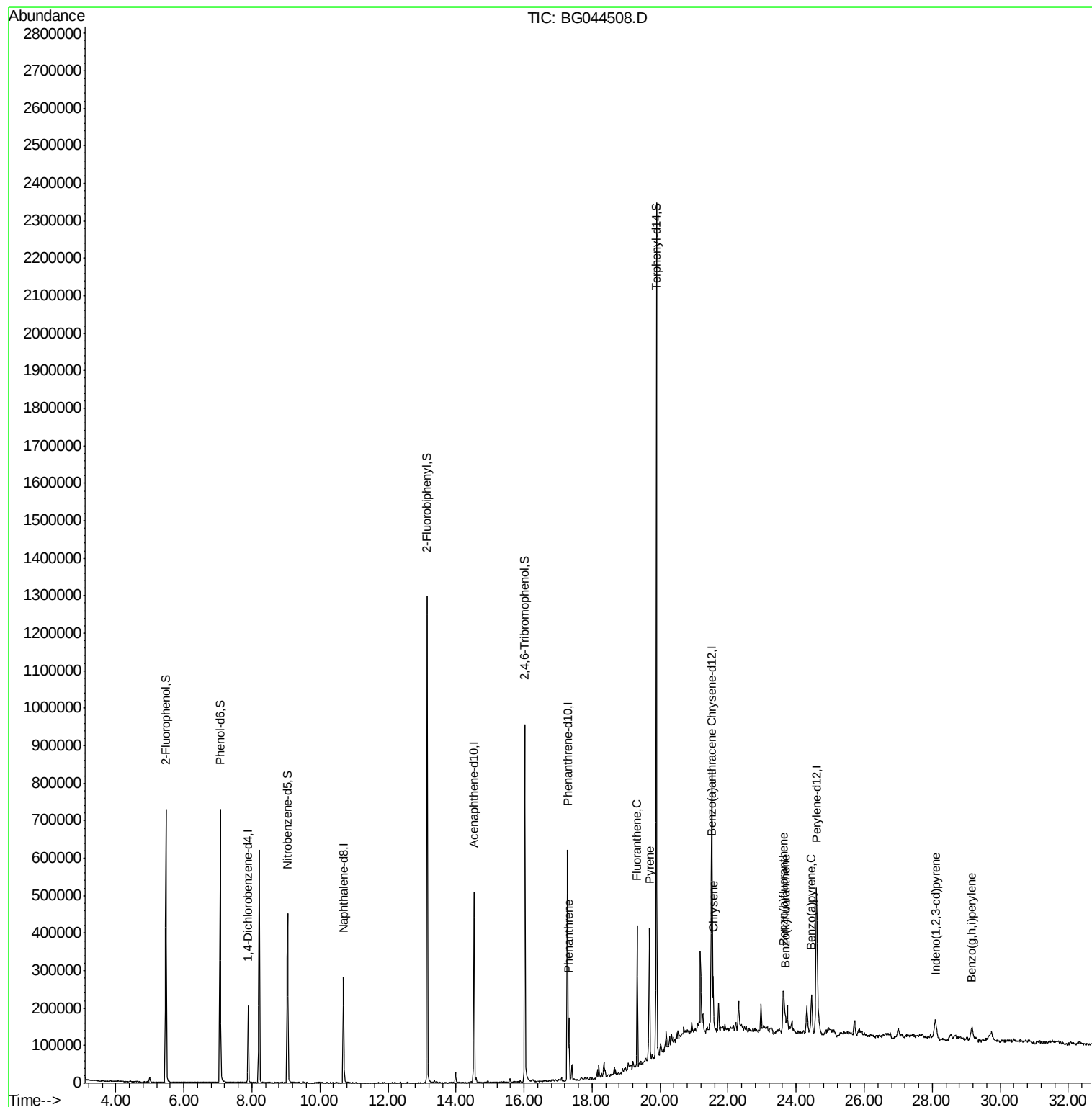
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\
Data File : BG044508.D
Acq On : 20 Feb 2020 3:16
Operator : CG/JU
Sample : L1547-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

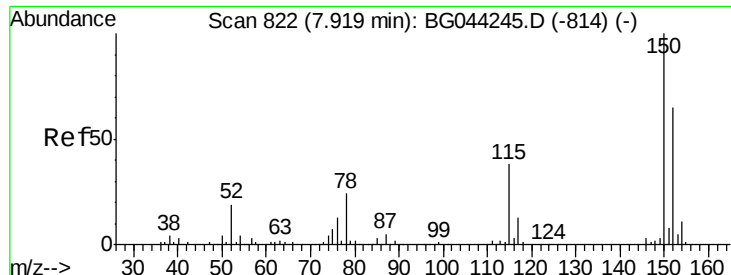
Instrument :
BNA_G
ClientSampleId :
MARCY-GREEN-BH-02-C

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Quant Time: Feb 20 08:29:26 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





#1

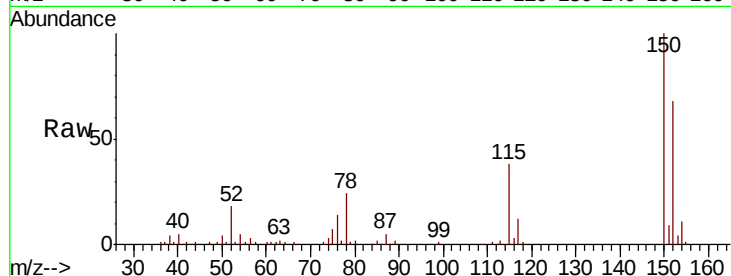
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BG044508.D
Acq: 20 Feb 2020 3:16

Instrument :
BNA_G
ClientSampleId :
MARCY-GREEN-BH-02-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.4	122.6	183.8
115	55.2	46.0	69.0

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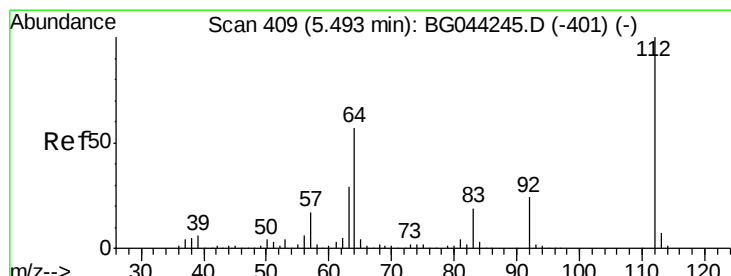
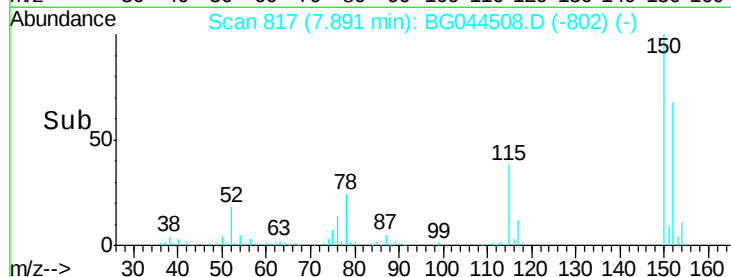
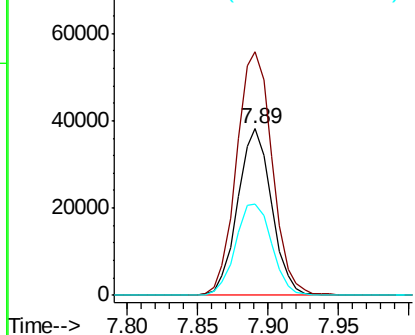


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

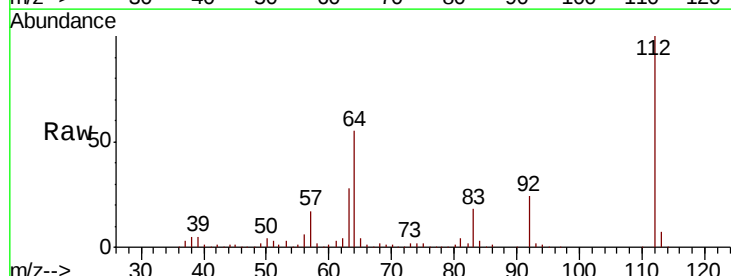
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.380 ng
RT: 5.47 min Scan# 405
Delta R.T. -0.01 min
Lab File: BG044508.D
Acq: 20 Feb 2020 3:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	45.4	68.2
63	28.4	22.9	34.3

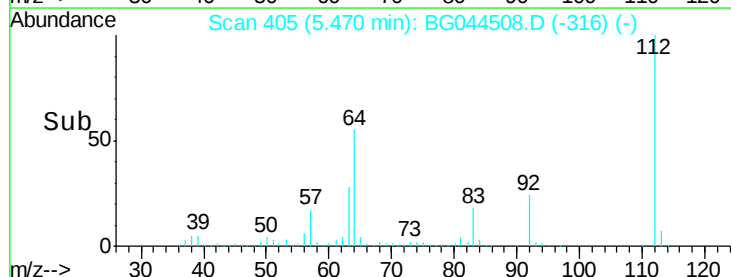
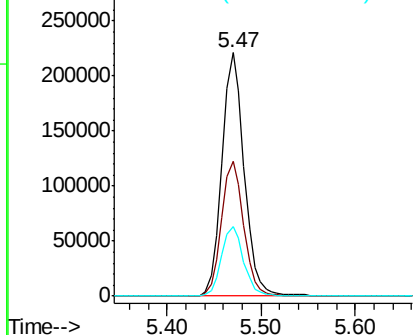


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 101.495 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG044508.D

Acq: 20 Feb 2020 3:16

Instrument :

BNA_G

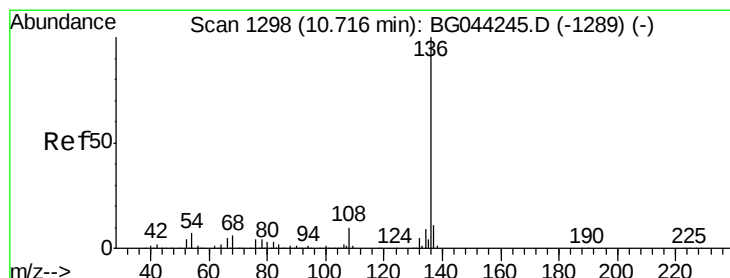
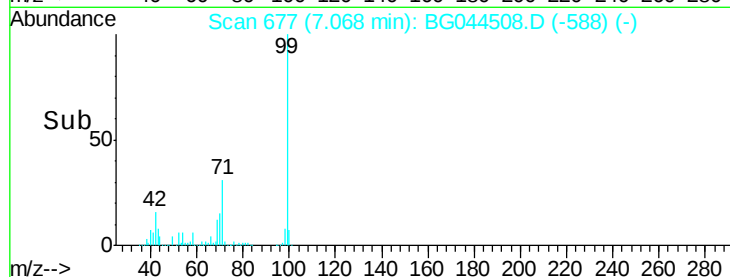
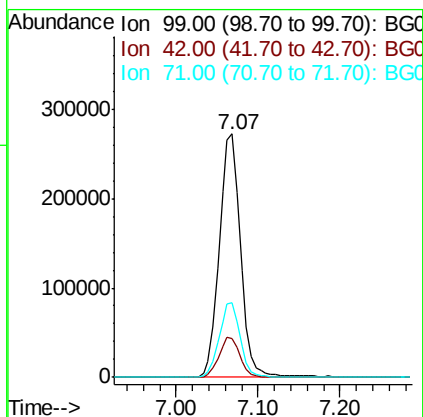
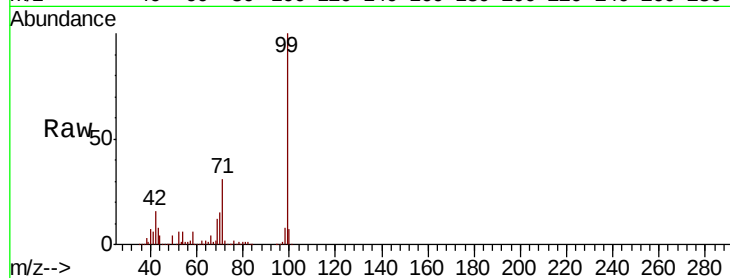
ClientSampleId :

MARCY-GREEN-BH-02-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		495322		
42	15.8	13.8	20.6		
71	30.7	25.5	38.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

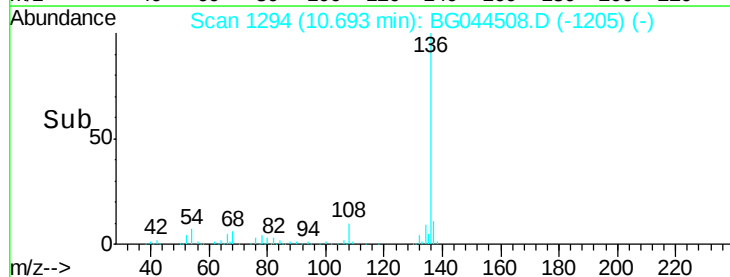
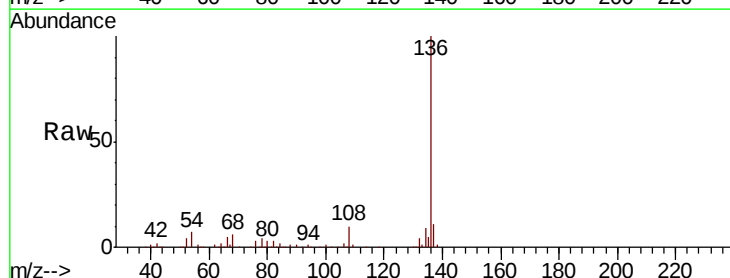
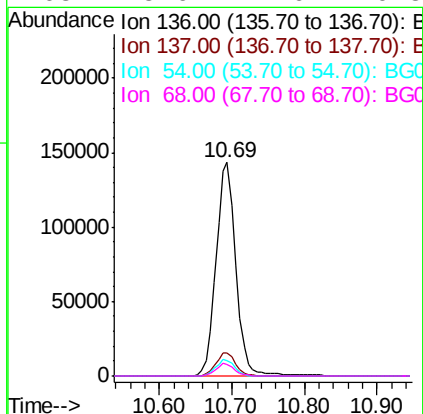
RT: 10.69 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BG044508.D

Acq: 20 Feb 2020 3:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		272101		
137	10.6	8.8	13.2		
54	7.2	5.8	8.8		
68	5.6	4.6	6.8		





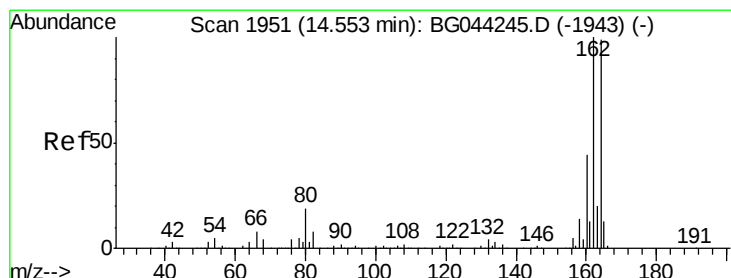
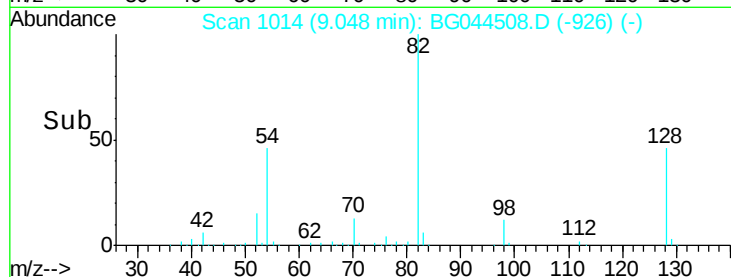
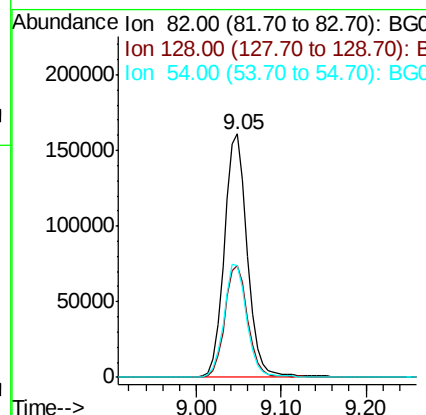
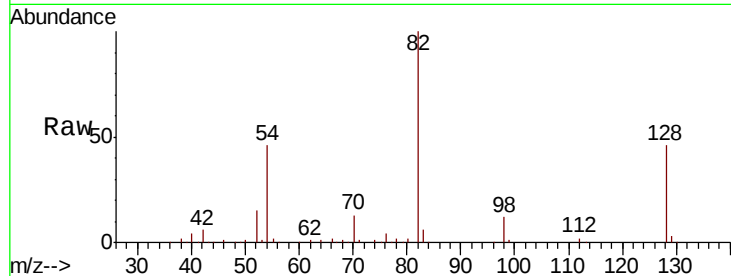
#23
Nitrobenzene-d5
Concen: 63.154 ng
RT: 9.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG044508.D
Acq: 20 Feb 2020 3:16

Instrument :
BNA_G
ClientSampleId :
MARCY-GREEN-BH-02-C

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.1	36.5	54.7	
54	45.7	38.6	58.0	

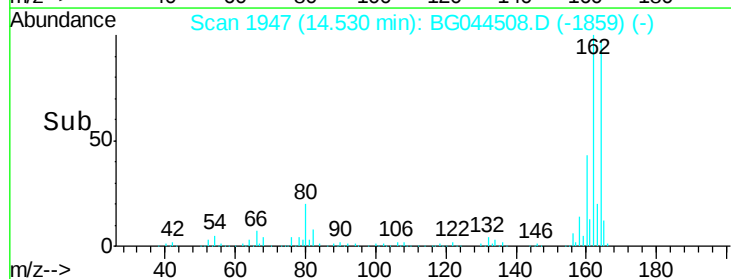
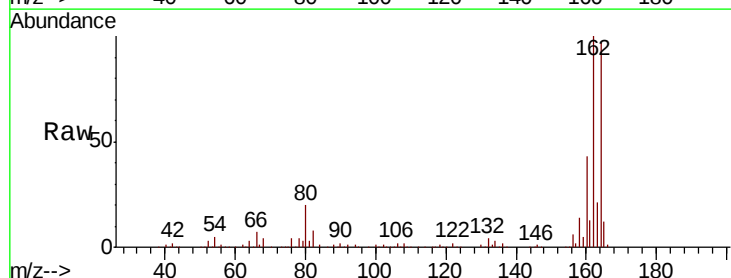
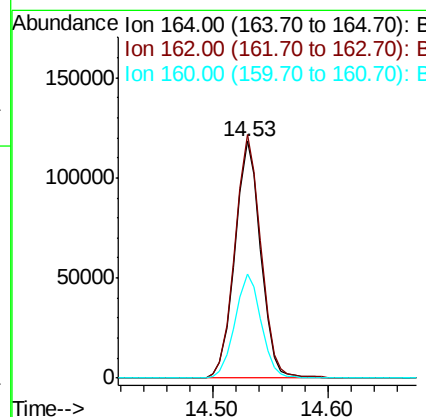
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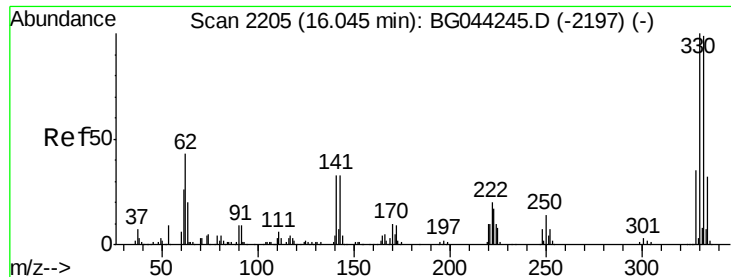
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BG044508.D
Acq: 20 Feb 2020 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.8	80.7	121.1	
160	43.8	35.3	52.9	





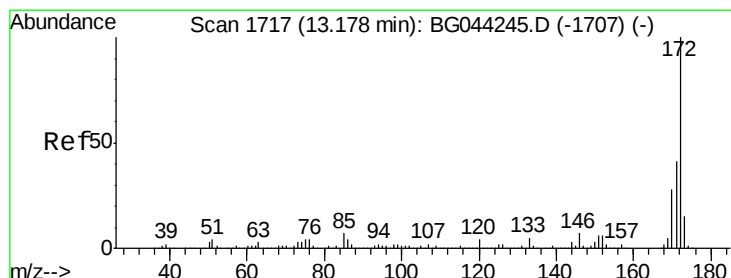
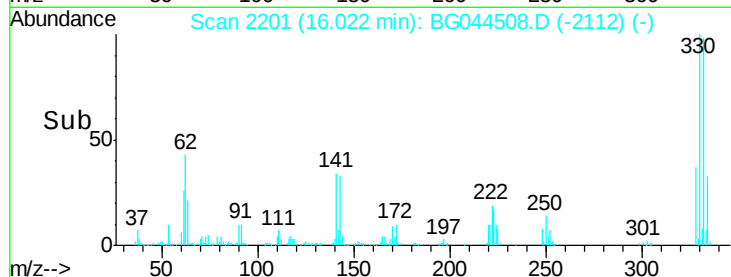
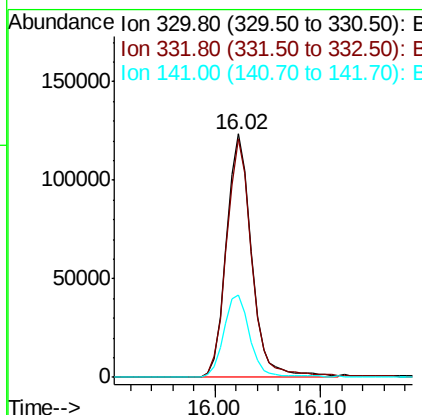
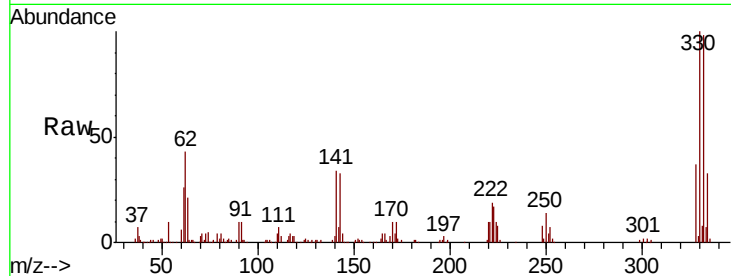
#42
 2,4,6-Tribromophenol
 Concen: 95.499 ng
 RT: 16.02 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG044508.D
 Acq: 20 Feb 2020 3:16

Instrument :
 BNA_G
 ClientSampleId :
 MARCY-GREEN-BH-02-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	205202		
332	97.6	77.2	115.8	
141	35.2	28.3	42.5	

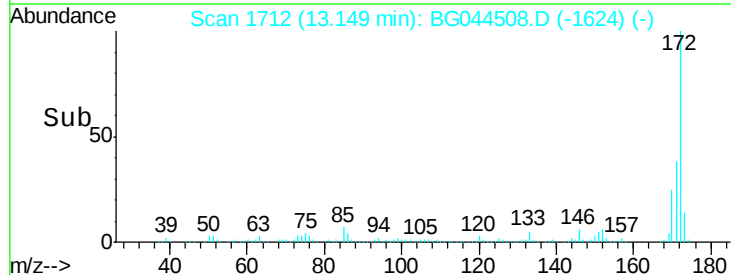
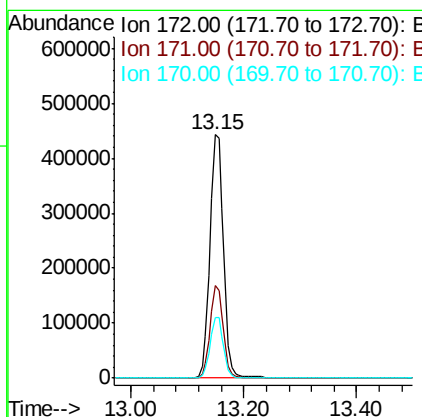
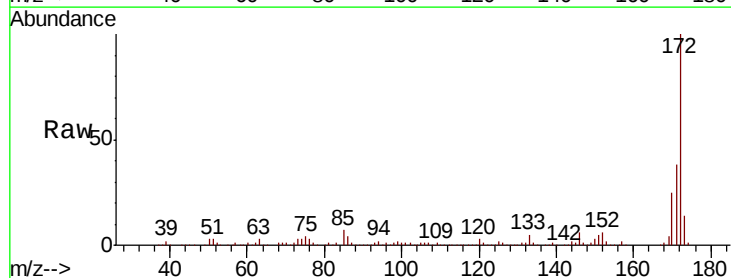
Manual Integrations
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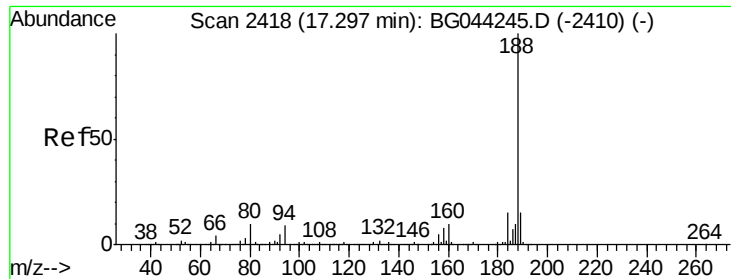
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#45
 2-Fluorobiphenyl
 Concen: 67.558 ng
 RT: 13.15 min Scan# 1712
 Delta R.T. -0.01 min
 Lab File: BG044508.D
 Acq: 20 Feb 2020 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	738439		
171	37.9	32.9	49.3	
170	24.9	22.0	33.0	





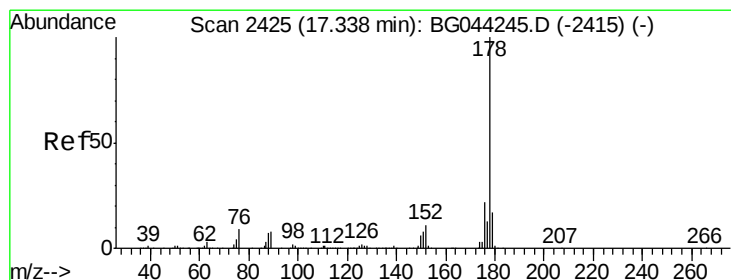
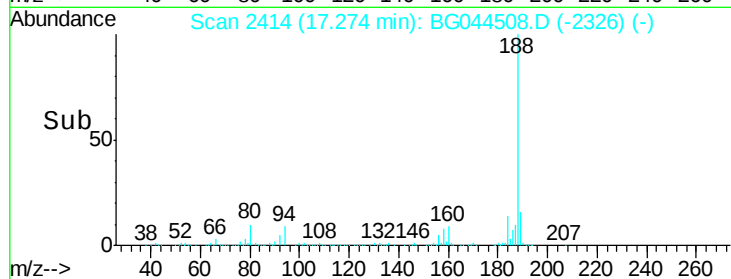
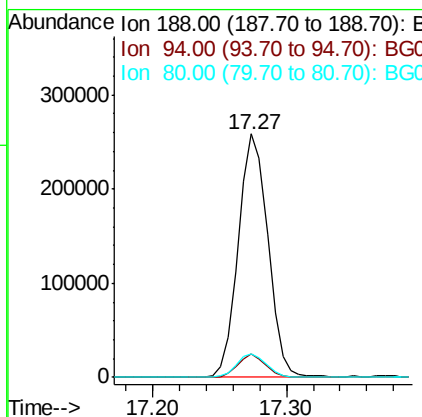
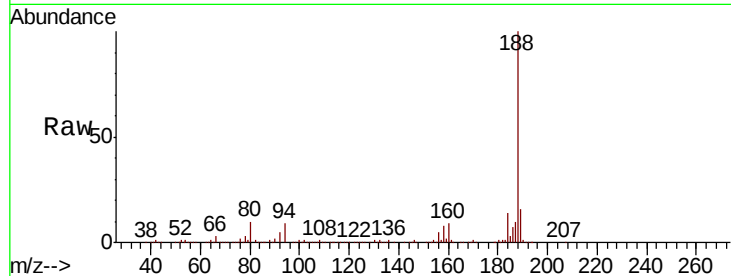
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.27 min Scan# 2414
Delta R.T. -0.01 min
Lab File: BG044508.D
Acq: 20 Feb 2020 3:16

Instrument :
BNA_G
ClientSampleId :
MARCY-GREEN-BH-02-C

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.4	7.4	11.2
80	9.7	7.7	11.5

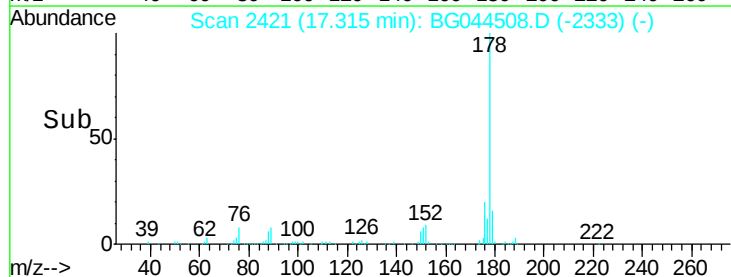
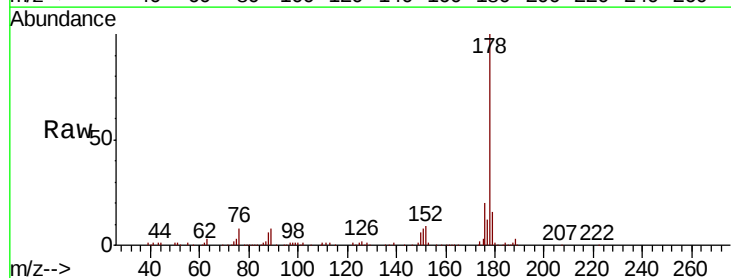
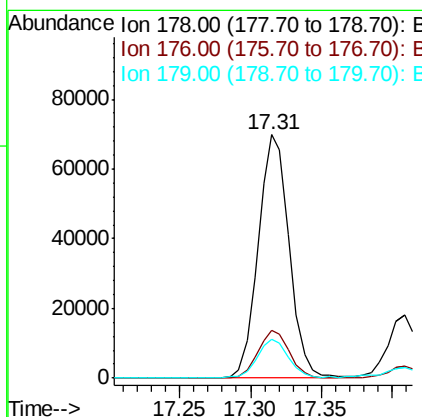
Manual Integrations
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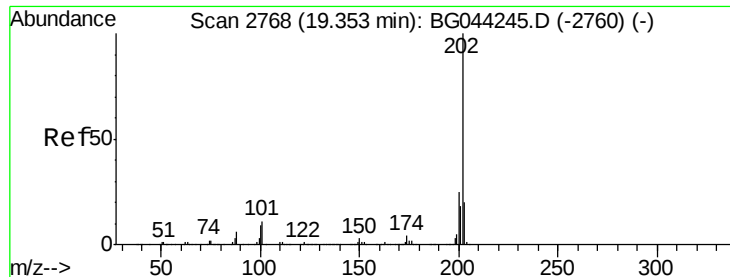
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#71
Phenanthrene
Concen: 5.578 ng
RT: 17.31 min Scan# 2421
Delta R.T. -0.01 min
Lab File: BG044508.D
Acq: 20 Feb 2020 3:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	17.7	26.5
179	16.0	13.7	20.5





#75

Fluoranthene

Concen: 10.658 ng

RT: 19.32 min Scan# 2763

Delta R.T. -0.01 min

Lab File: BG044508.D

Acq: 20 Feb 2020 3:16

Instrument :

BNA_G

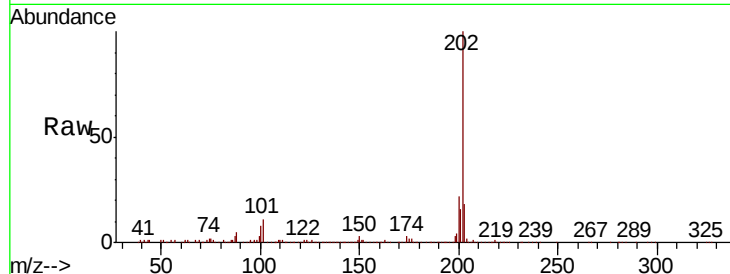
ClientSampleId :

MARCY-GREEN-BH-02-C

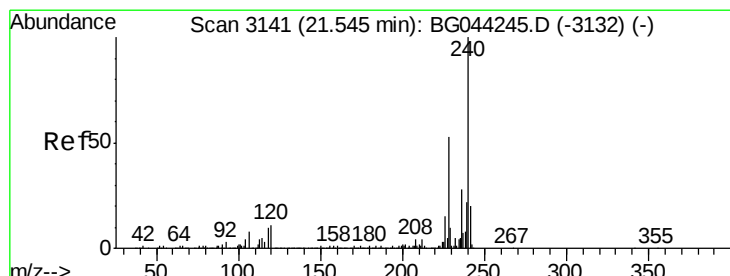
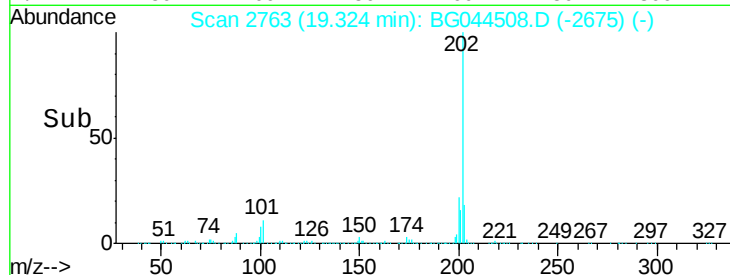
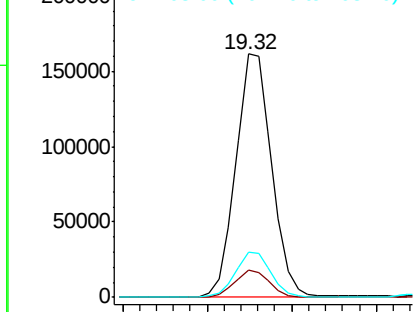
Tot Ion	Ratio	Resp	Lower	Upper
202	100	237824		
101	11.0	0.0	31.3	
203	18.5	0.0	39.9	

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

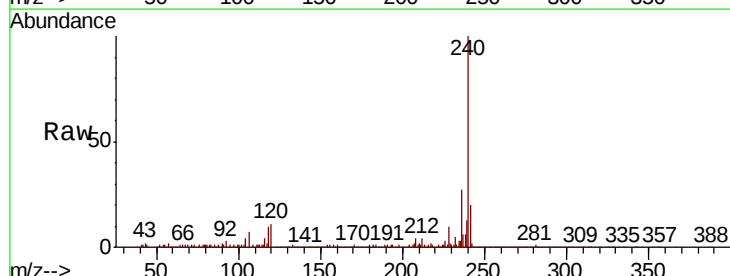
RT: 21.52 min Scan# 3136

Delta R.T. -0.02 min

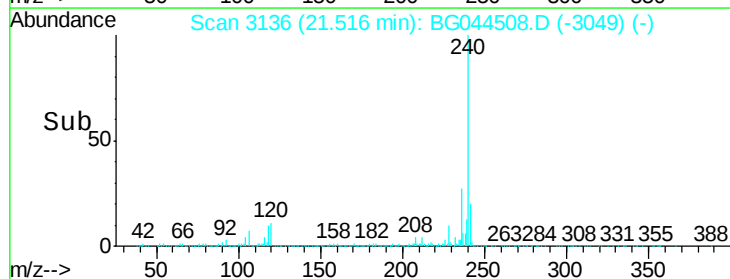
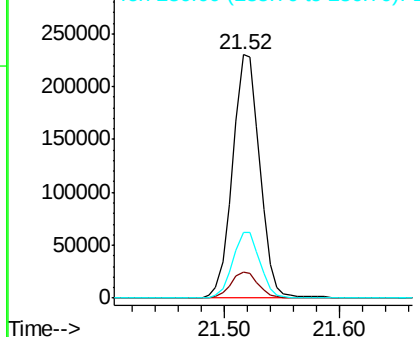
Lab File: BG044508.D

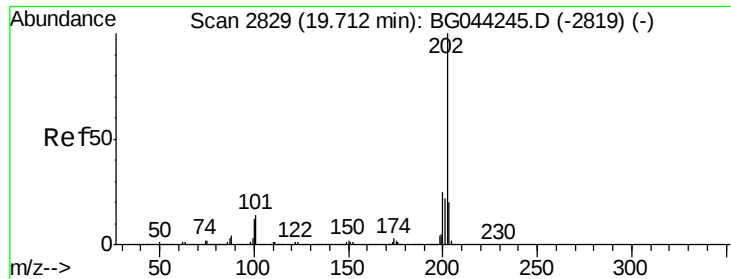
Acq: 20 Feb 2020 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	373579		
120	10.8	8.4	12.6	
236	27.1	22.1	33.1	



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





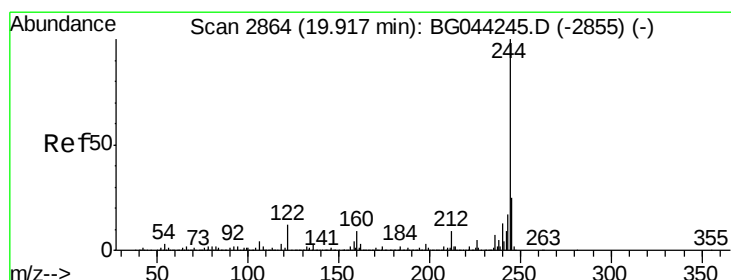
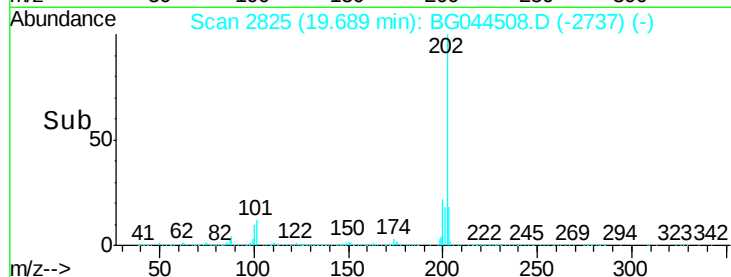
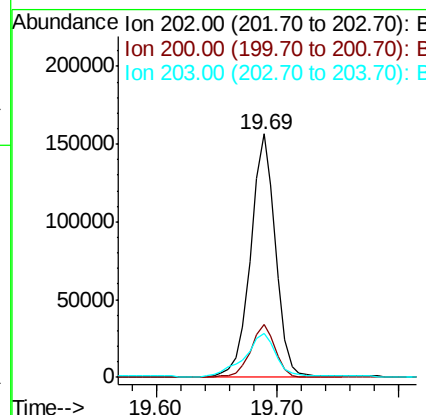
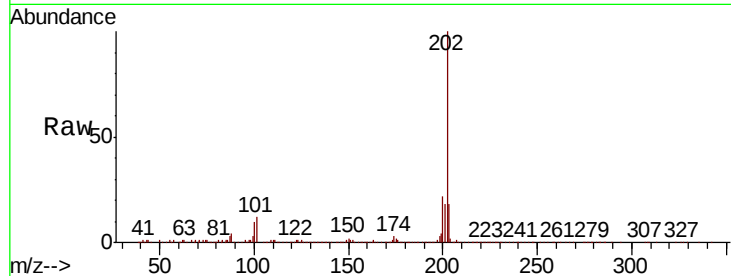
#78
Pvrene
Concen: 9.345 ng
RT: 19.69 min Scan# 2825
Delta R.T. -0.01 min
Lab File: BG044508.D
Acq: 20 Feb 2020 3:16

Instrument :
BNA_G
ClientSampleId :
MARCY-GREEN-BH-02-C

Tot Ion	Ratio	Resp	Lower	Upper
202	100	224196		
200	21.7		20.0	30.0
203	18.1		16.2	24.2

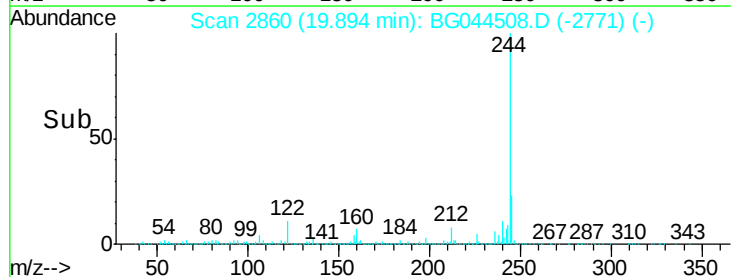
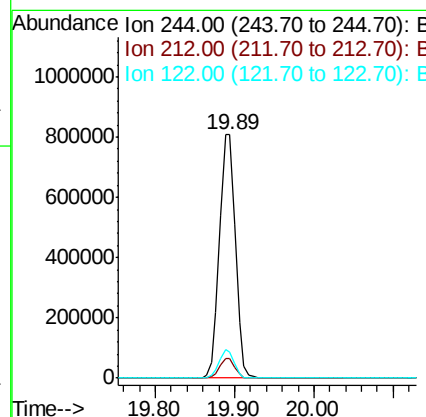
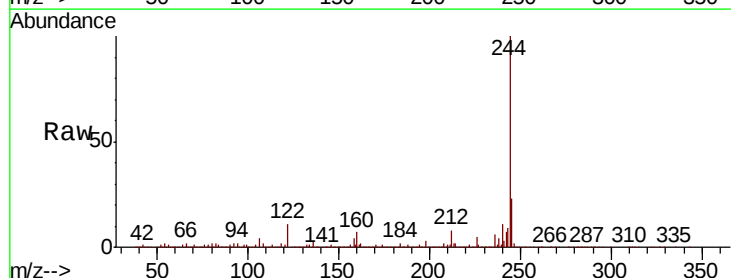
Manual Integrations
APPROVED

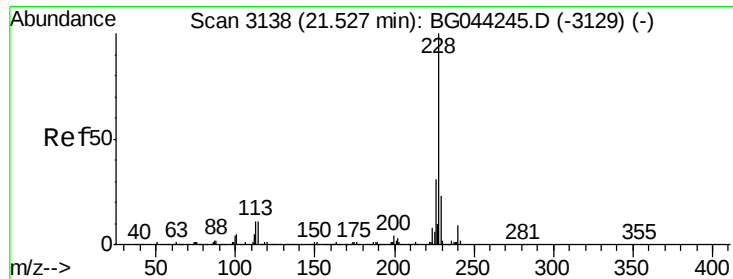
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#79
Terphenyl-d14
Concen: 62.466 ng
RT: 19.89 min Scan# 2860
Delta R.T. -0.01 min
Lab File: BG044508.D
Acq: 20 Feb 2020 3:16

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1134533		
212	8.0		7.4	11.2
122	10.6		9.8	14.6





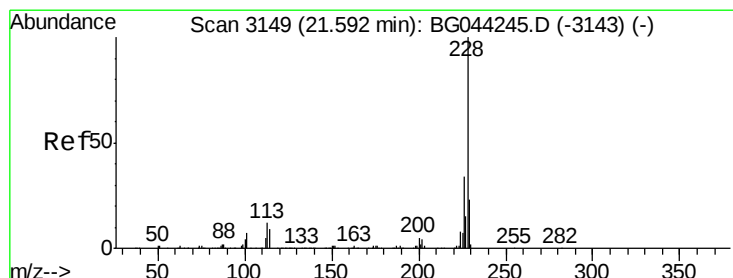
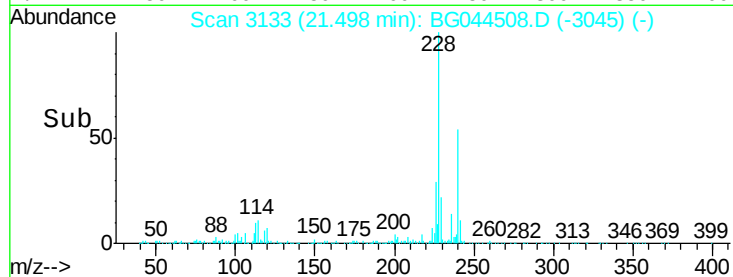
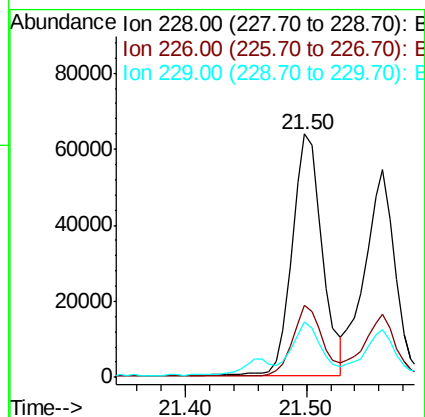
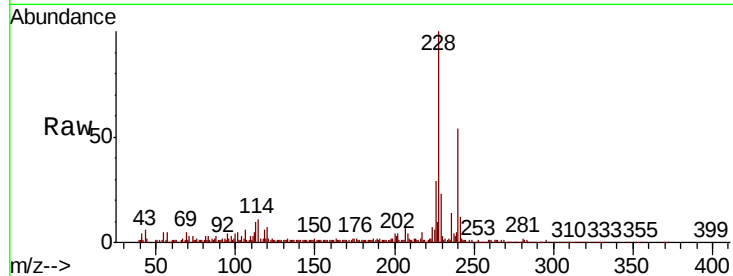
#81
Benzo(a)anthracene
Concen: 4.807 ng
RT: 21.50 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BG044508.D
Acq: 20 Feb 2020 3:16

Instrument :
BNA_G
ClientSampleId :
MARCY-GREEN-BH-02-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.7	37.1
229	23.0	18.2	27.4

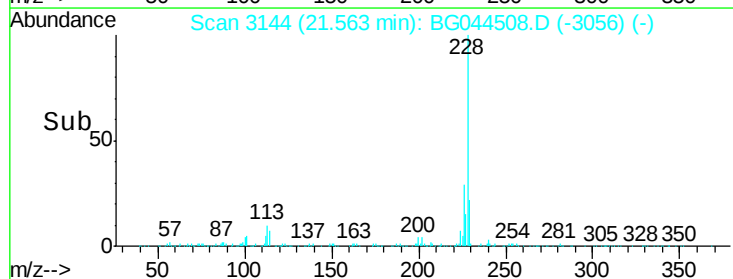
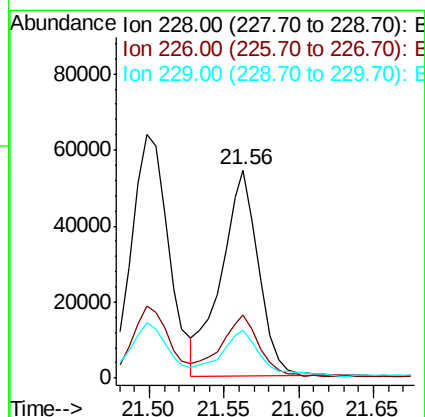
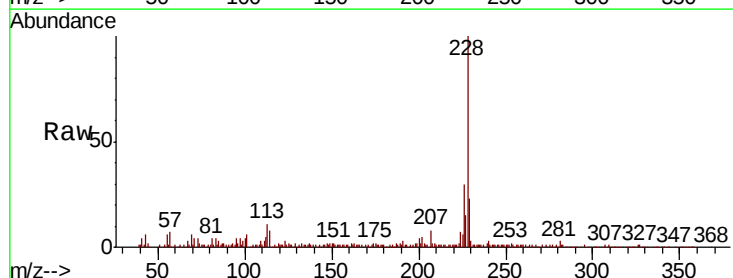
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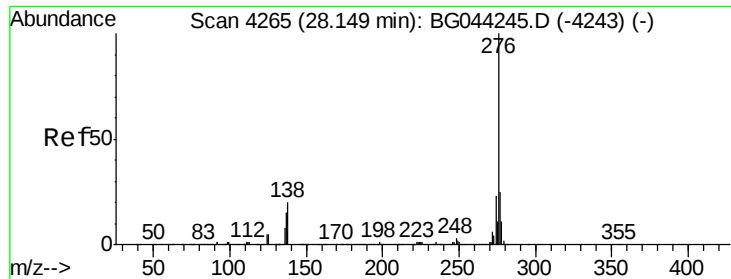
mohammad
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#83
Chrysene
Concen: 4.233 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG044508.D
Acq: 20 Feb 2020 3:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	27.1	40.7
229	22.9	17.9	26.9





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.552 ng

RT: 28.09 min Scan# 4255

Delta R.T. -0.03 min

Lab File: BG044508.D

Acq: 20 Feb 2020 3:16

Instrument :

BNA_G

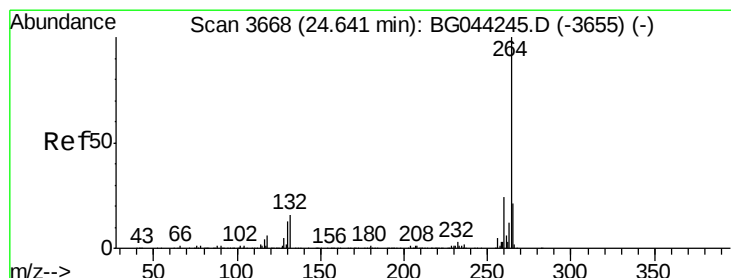
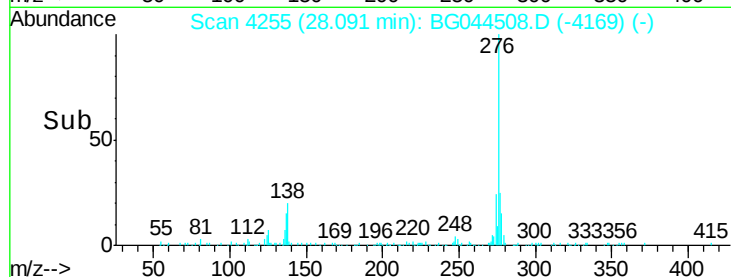
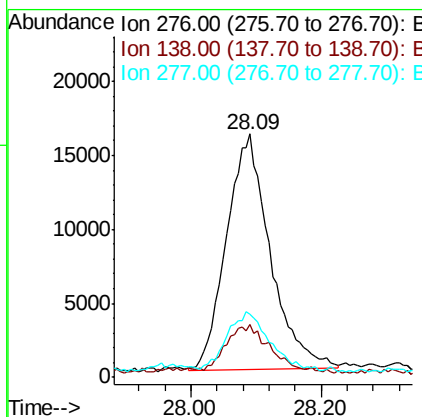
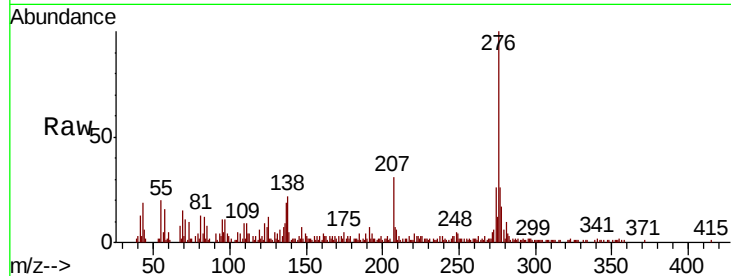
ClientSampleId :

MARCY-GREEN-BH-02-C

Tot Ion:	276	Resp:	74085
Ion Ratio	Lower	Upper	
276	100		
138	20.0	19.4	29.0
277	24.4	21.0	31.6

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#87

Perylene-d12

Concen: 20.000 ng

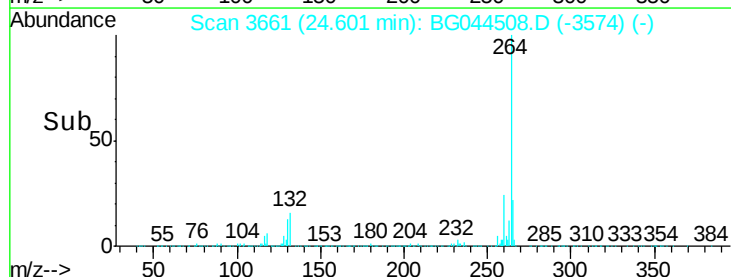
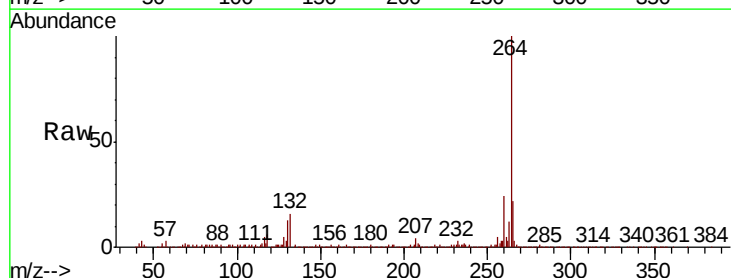
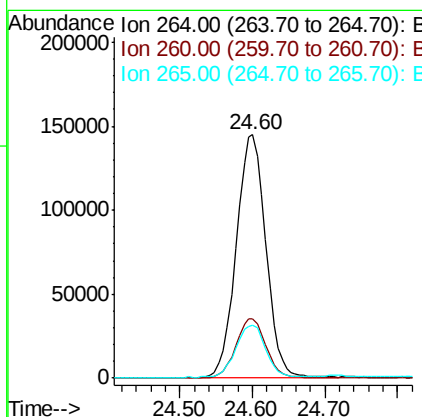
RT: 24.60 min Scan# 3661

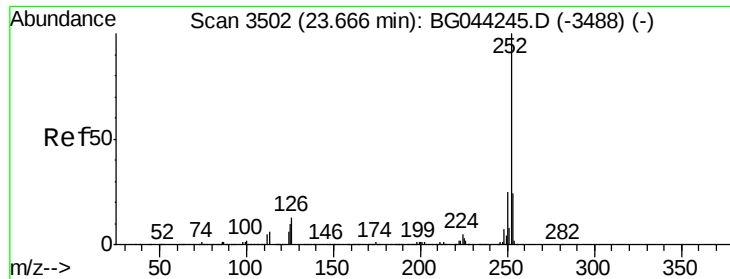
Delta R.T. -0.02 min

Lab File: BG044508.D

Acq: 20 Feb 2020 3:16

Tgt Ion:	264	Resp:	410253
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.4	29.2
265	22.0	16.7	25.1





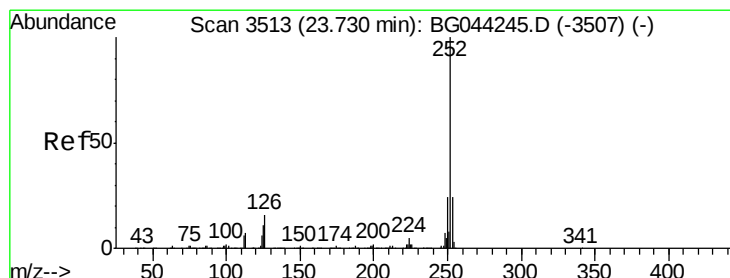
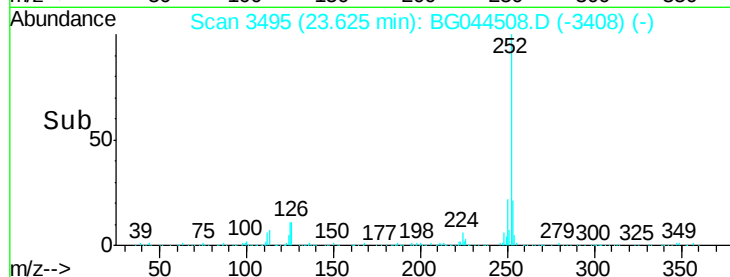
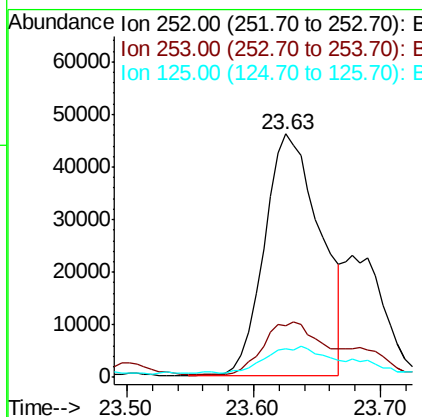
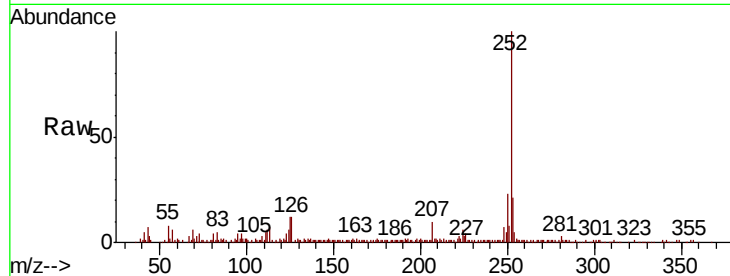
#88
Benzo(b)fluoranthene
Concen: 5.939 ng
RT: 23.63 min Scan# 3495
Delta R.T. -0.02 min
Lab File: BG044508.D
Acq: 20 Feb 2020 3:16

Instrument :
BNA_G
ClientSampleId :
MARCY-GREEN-BH-02-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	19.2	28.8
125	11.9	8.4	12.6

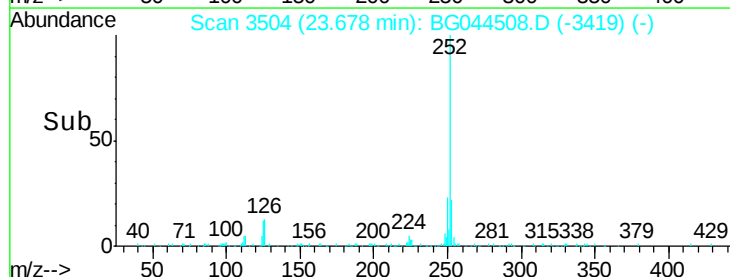
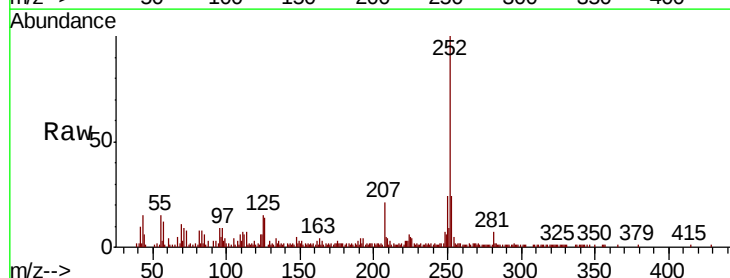
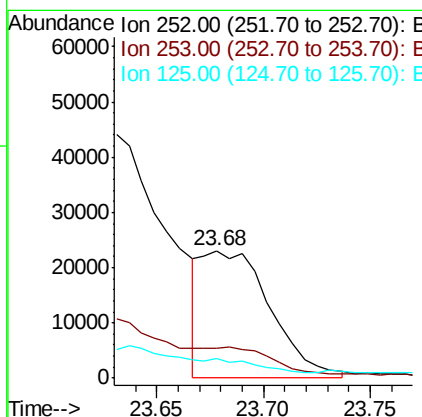
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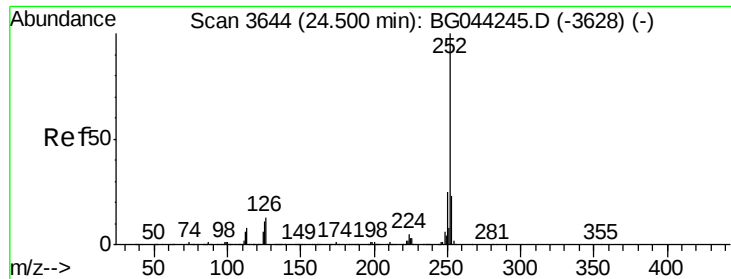
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#89
Benzo(k)fluoranthene
Concen: 2.244 ng m
RT: 23.68 min Scan# 3504
Delta R.T. -0.03 min
Lab File: BG044508.D
Acq: 20 Feb 2020 3:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.1	28.7
125	15.4	8.6	12.8#





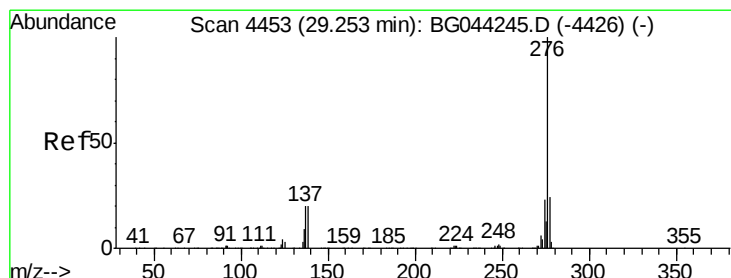
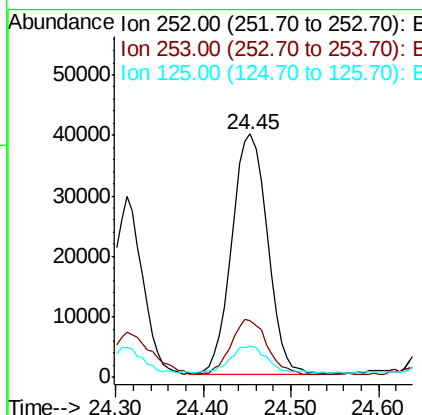
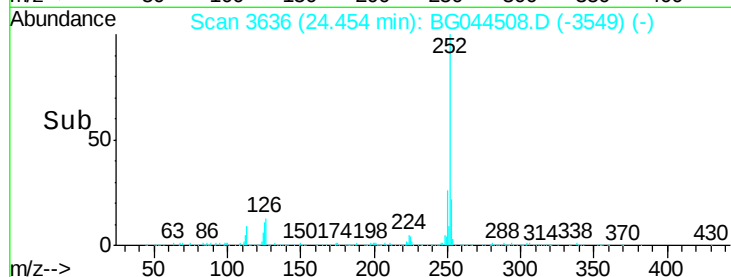
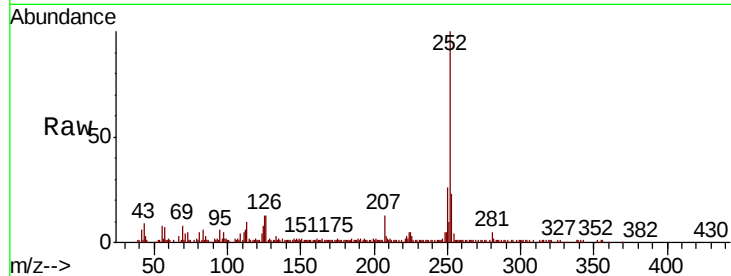
#90
Benzo(a)pyrene
Concen: 4.912 ng
RT: 24.45 min Scan# 3636
Delta R.T. -0.02 min
Lab File: BG044508.D
Acq: 20 Feb 2020 3:16

Instrument :
BNA_G
ClientSampleId :
MARCY-GREEN-BH-02-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	12.6	8.6	13.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.275 ng
RT: 29.18 min Scan# 4440
Delta R.T. -0.03 min
Lab File: BG044508.D
Acq: 20 Feb 2020 3:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.8	28.2
138	19.5	16.2	24.2

