

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062119\
 Data File : BG041380.D
 Acq On : 21 Jun 2019 15:57
 Operator : HP/JU
 Sample : K3455-01DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-MHDL

Manual Integrations
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mohammad
 6/25/2019 3:20:15 PM

Quant Time: Jun 22 01:15:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	33344	20.00	ng	-0.01
21) Naphthalene-d8	10.89	136	135404	20.00	ng	-0.02
39) Acenaphthene-d10	14.71	164	93443	20.00	ng	-0.01
64) Phenanthrene-d10	17.45	188	219666	20.00	ng	-0.01
76) Chrysene-d12	21.73	240	212122	20.00	ng	-0.01
87) Perylene-d12	25.04	264	234800	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	38507	21.22	ng	-0.01
7) Phenol-d6	7.22	99	57797	21.97	ng	-0.01
23) Nitrobenzene-d5	9.25	82	40229	12.50	ng	-0.01
42) 2,4,6-Tribromophenol	16.20	330	27675	19.29	ng	-0.01
45) 2-Fluorobiphenyl	13.32	172	88702	12.90	ng	-0.02
79) Terphenyl-d14	20.05	244	126185	11.79	ng	-0.01
Target Compounds						
71) Phenanthrene	17.49	178	216631	18.491	ng	98
72) Anthracene	17.59	178	34450	2.983	ng	98
75) Fluoranthene	19.50	202	632549	40.641	ng	99
78) Pyrene	19.87	202	710923	49.695	ng	100
81) Benzo(a)anthracene	21.71	228	505293	35.181	ng	98
83) Chrysene	21.78	228	551097	39.899	ng	99
86) Indeno(1,2,3-cd)pyrene	28.85	276	311923	19.035	ng	98
88) Benzo(b)fluoranthene	23.99	252	644467	44.289	ng	98
89) Benzo(k)fluoranthene	24.05	252	189676m	13.158	ng	
90) Benzo(a)pyrene	24.89	252	408874	29.752	ng	96
91) Dibenzo(a,h)anthracene	28.90	278	92774	6.706	ng	99
92) Benzo(a,h,i)perylene	30.06	276	331610	24.253	ng	96

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

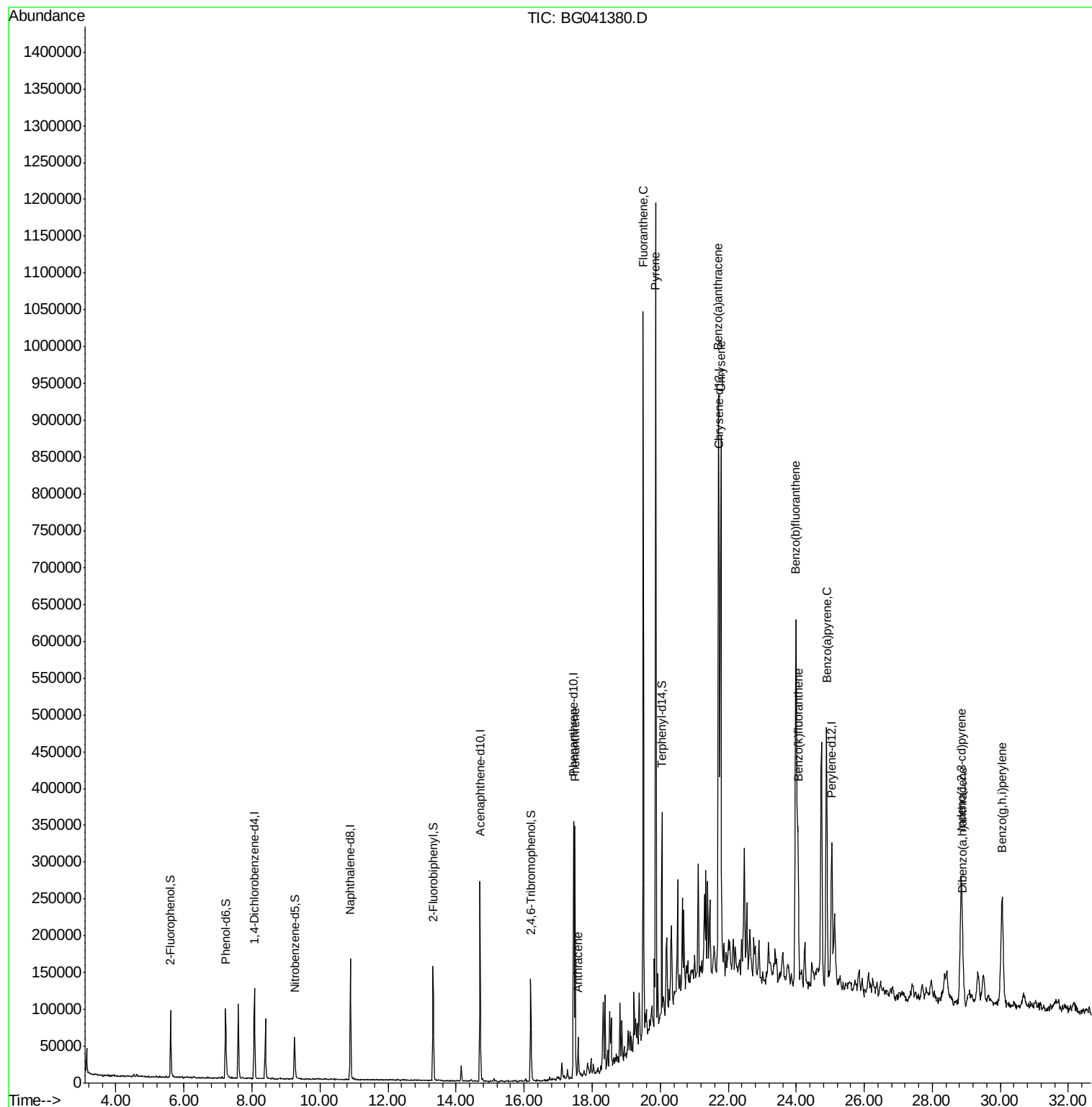
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062119\
Data File : BG041380.D
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Sample : K3455-01DL 5X
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ALS Vial : 11 Sample Multiplier: 1

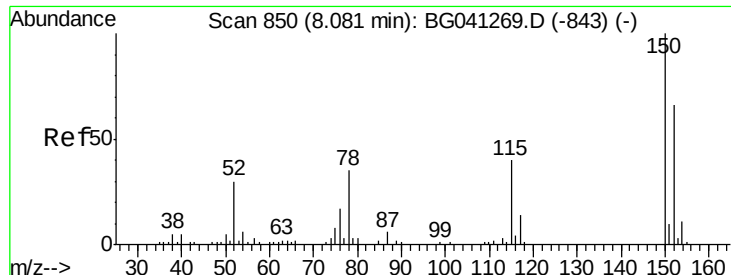
Instrument :
BNA_G
ClientSampled :
TP-1-MHDL

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Quant Time: Jun 22 01:15:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

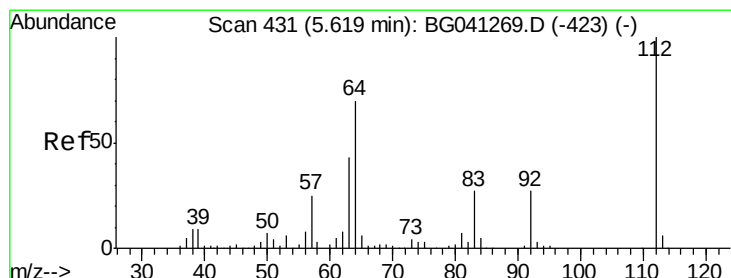
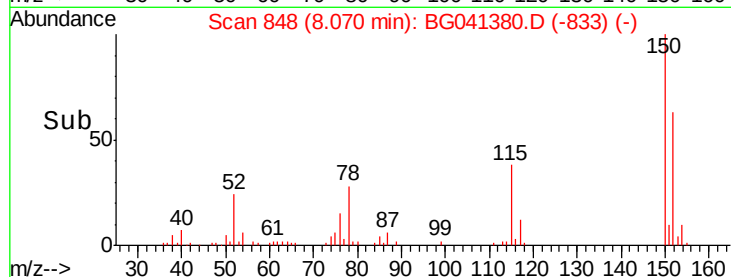
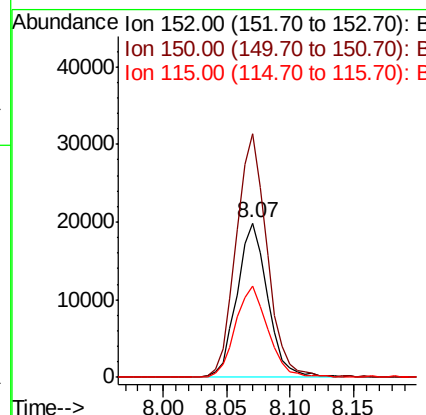
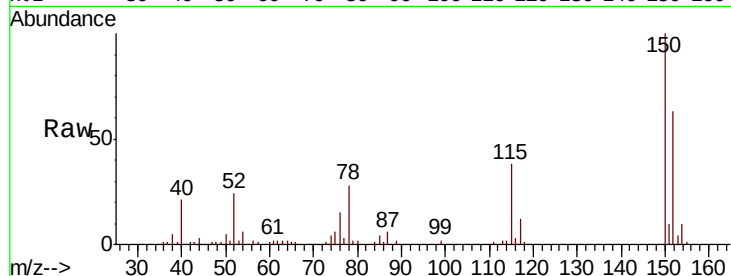
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Instrument :
BNA_G
ClientSampleId :
TP-1-MHDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	120.6	181.0
115	59.6	47.9	71.9

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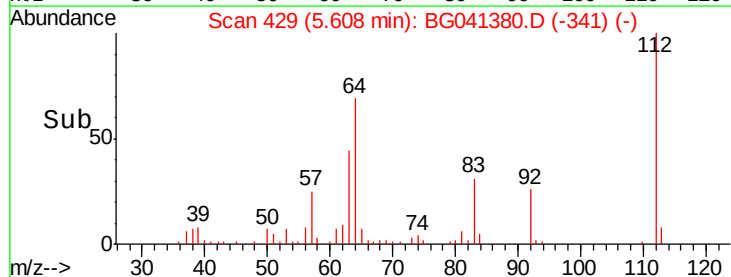
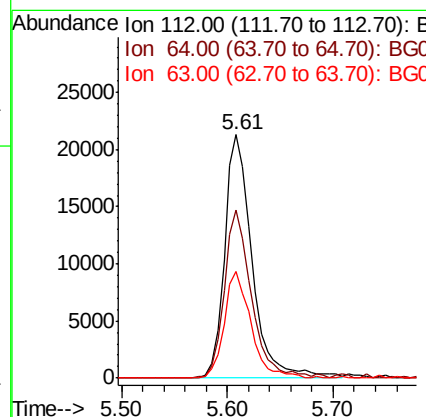
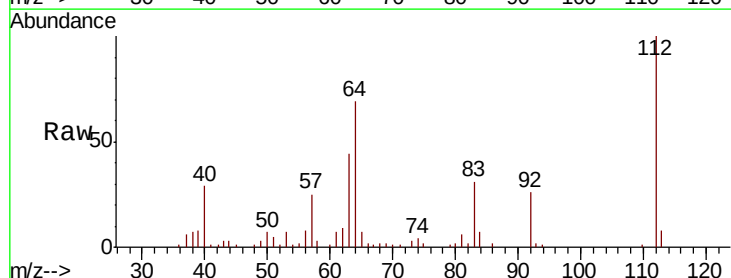
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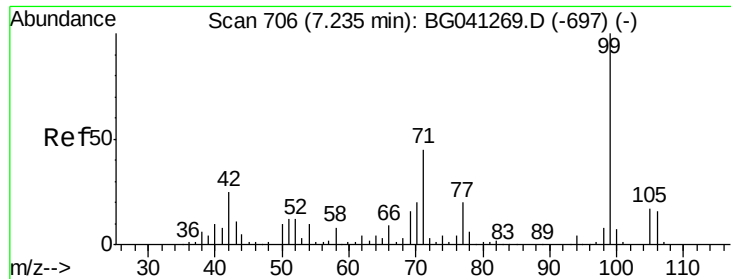


#5

2-Fluorophenol
Concen: 21.219 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	55.9	83.9
63	43.8	34.6	51.8





#7

Phenol-d6

Concen: 21.972 ng

RT: 7.22 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

Instrument :

BNA_G

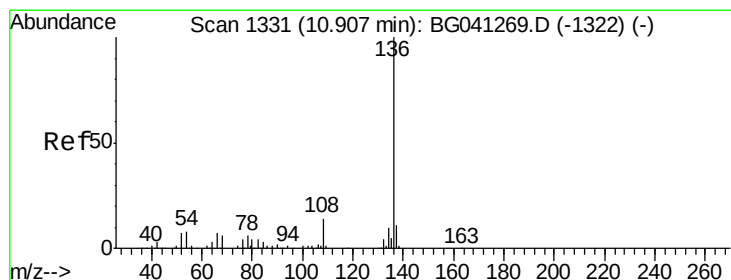
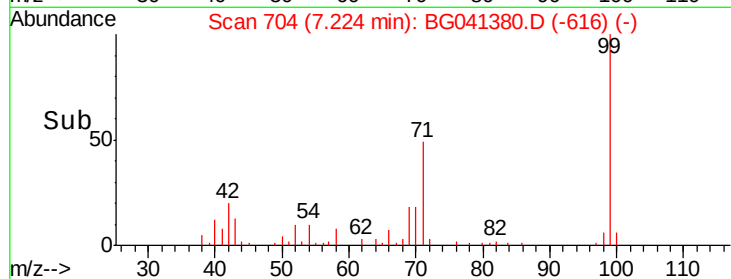
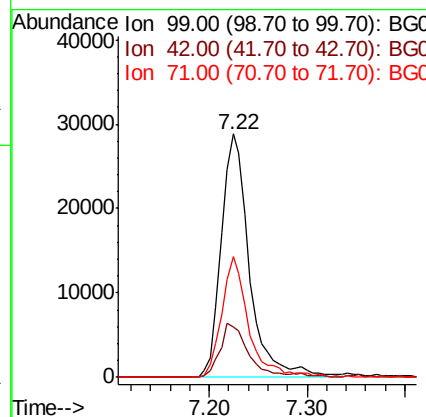
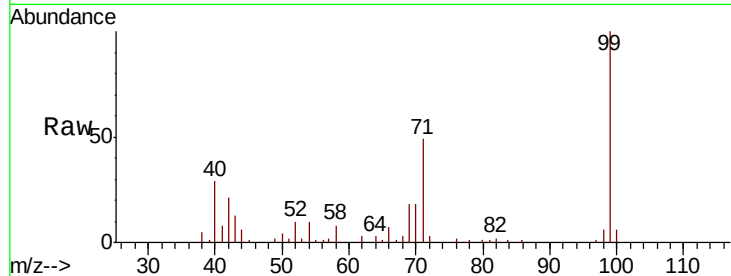
ClientSampleId :

TP-1-MHDL

Tot Ion:	99	Resp:	57797
Ion	Ratio	Lower	Upper
99	100		
42	20.8	19.9	29.9
71	49.4	36.4	54.6

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#21

Naphthalene-d8

Concen: 20.000 ng

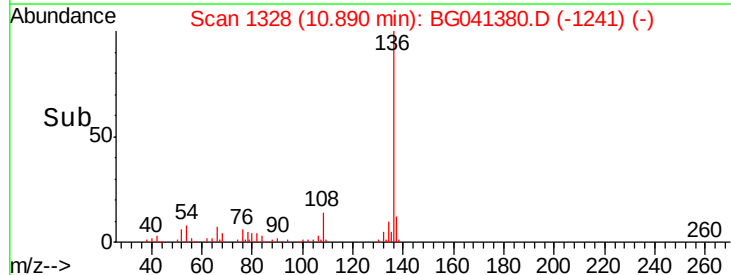
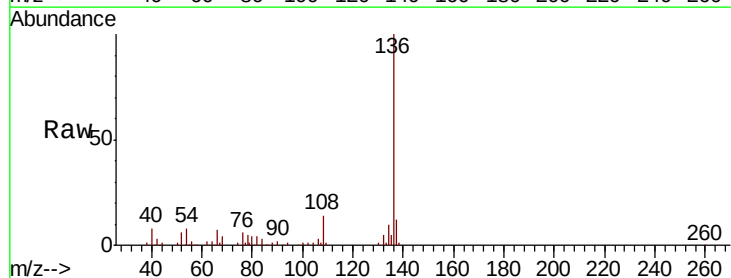
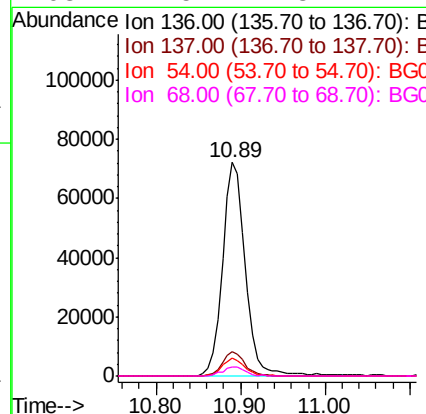
RT: 10.89 min Scan# 1328

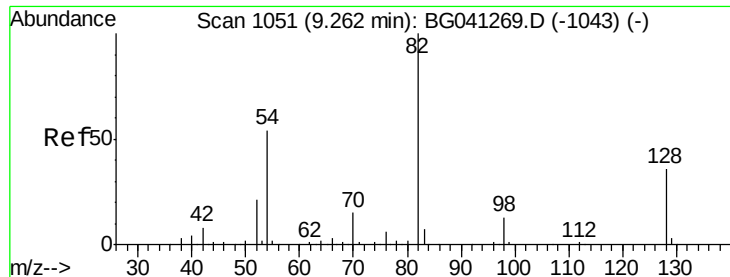
Delta R.T. -0.02 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

Tgt Ion:	136	Resp:	135404
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.8	13.2
54	8.4	6.4	9.6
68	4.5	4.8	7.2#





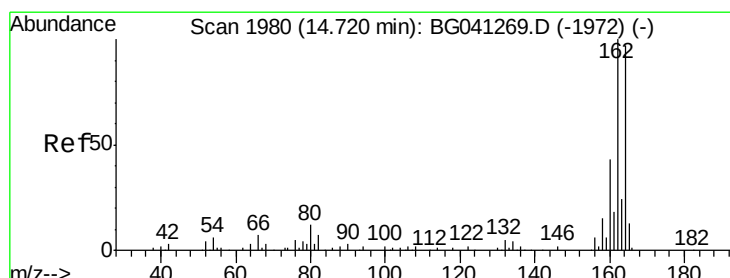
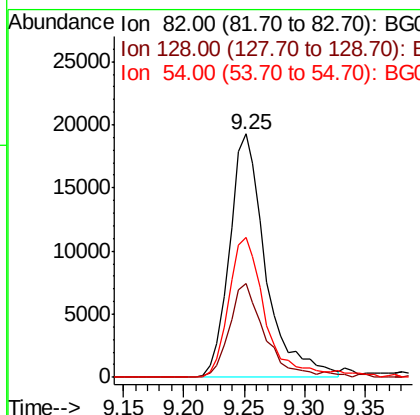
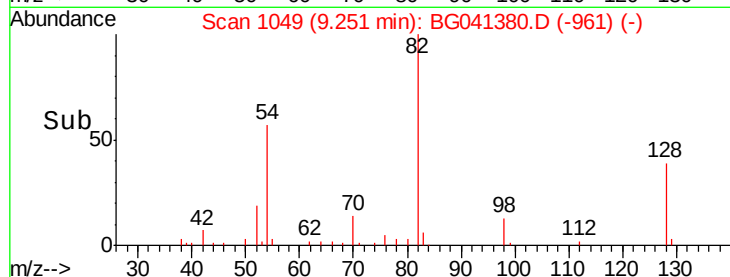
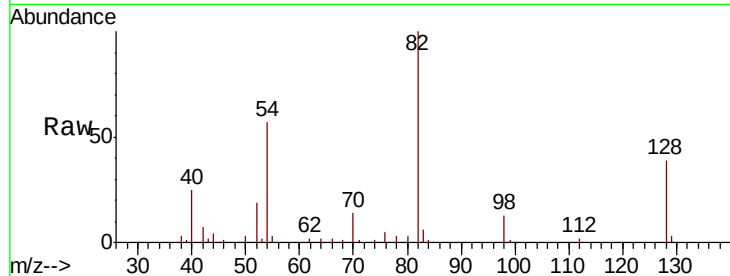
#23
Nitrobenzene-d5
Concen: 12.495 ng
RT: 9.25 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Instrument :
BNA_G
ClientSampled :
TP-1-MHDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.7	29.2	43.8
54	57.3	43.4	65.0

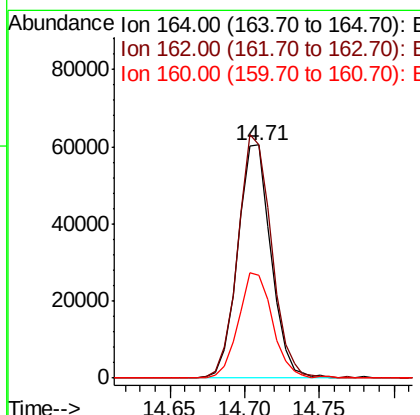
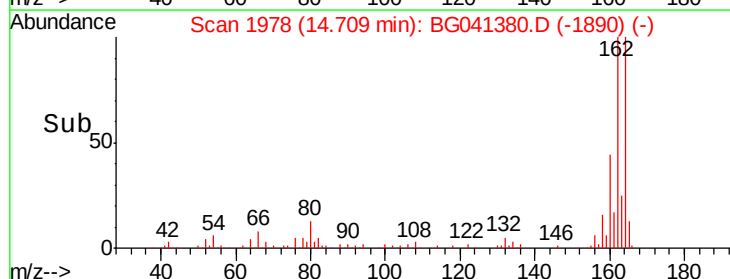
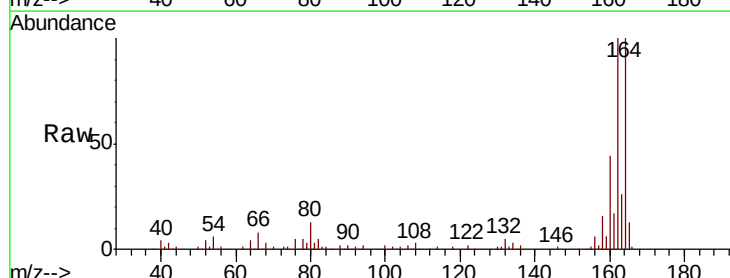
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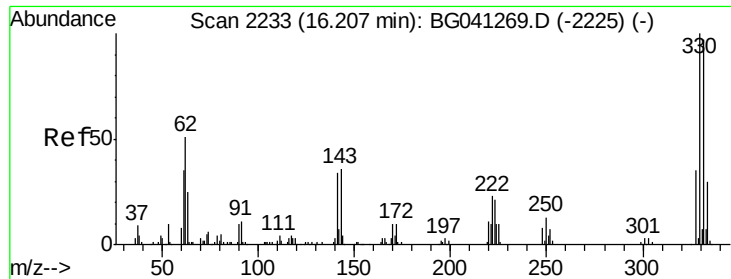
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1978
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	82.8	124.2
160	44.4	35.8	53.8





#42

2,4,6-Tribromophenol

Concen: 19.292 ng

RT: 16.20 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

Instrument :

BNA_G

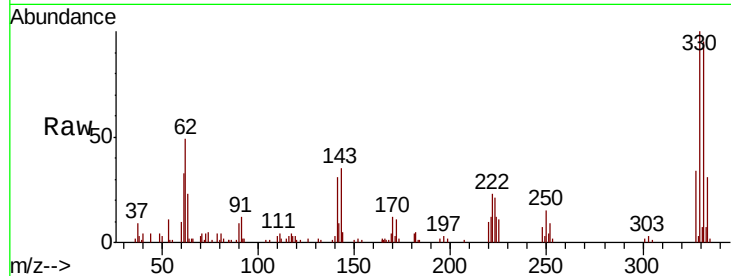
ClientSampleId :

TP-1-MHDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	75.5	113.3
141	34.7	29.0	43.4

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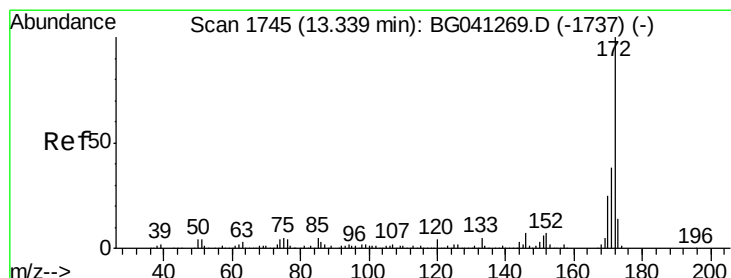
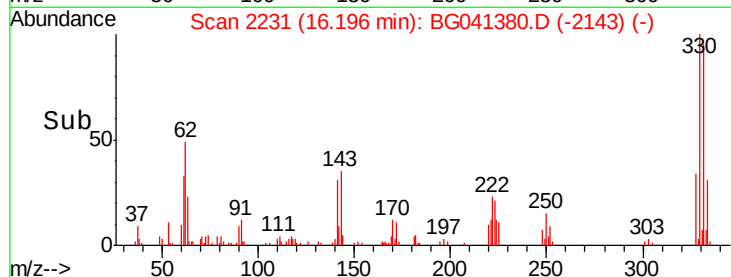
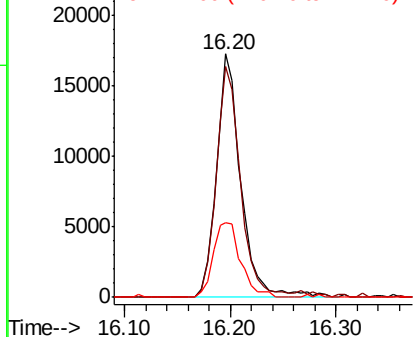


Abundance

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: 12.902 ng

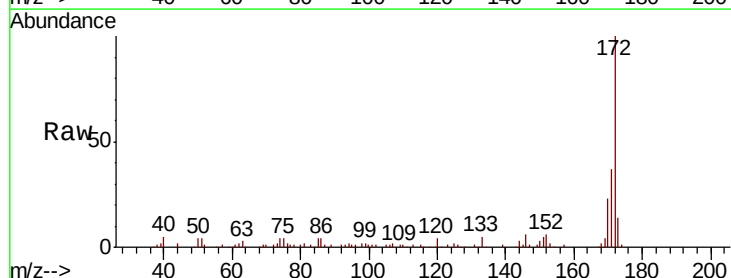
RT: 13.32 min Scan# 1742

Delta R.T. -0.02 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.0	45.0
170	22.8	19.8	29.6

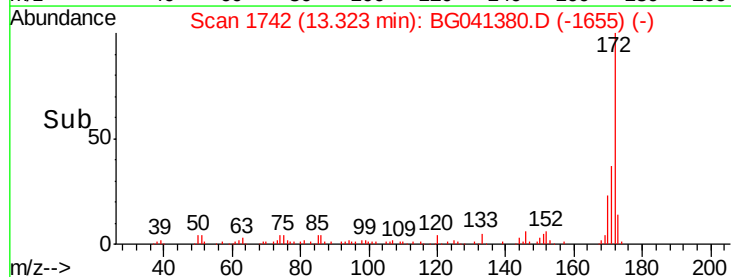
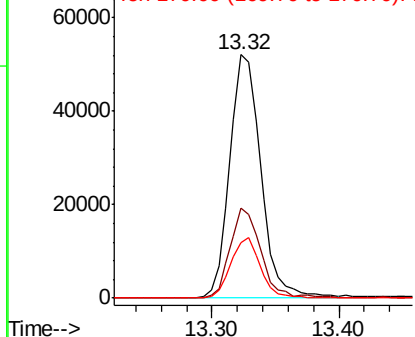


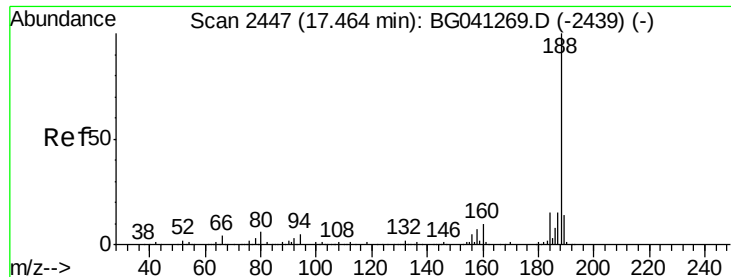
Abundance

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





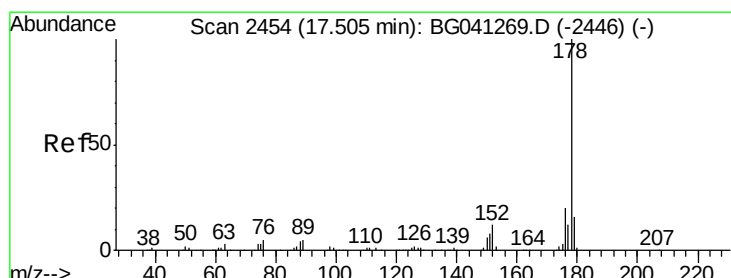
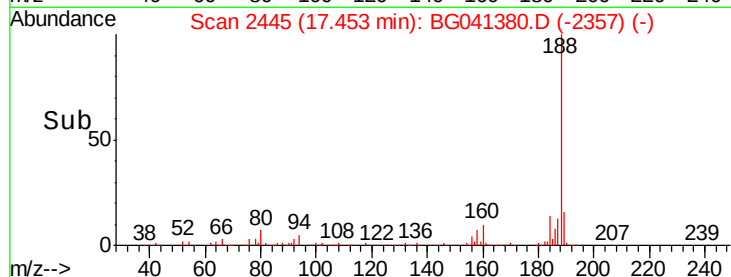
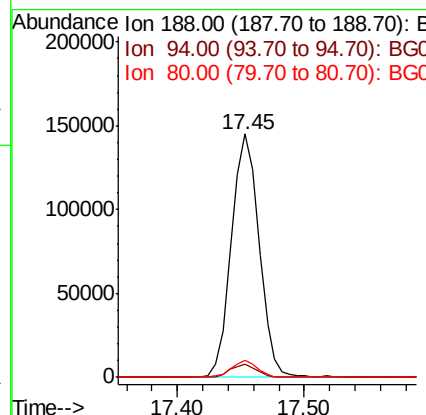
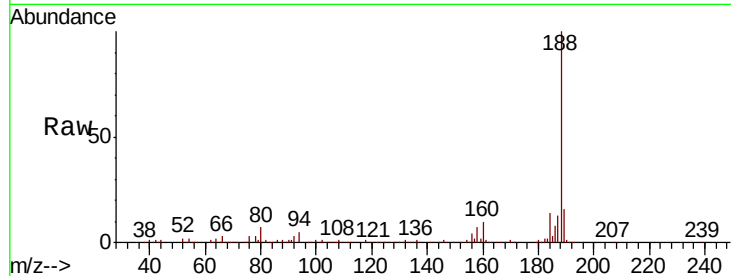
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2445
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Instrument :
BNA_G
ClientSampleId :
TP-1-MHDL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	219666		
94	5.4		3.6	5.4
80	7.1		4.8	7.2

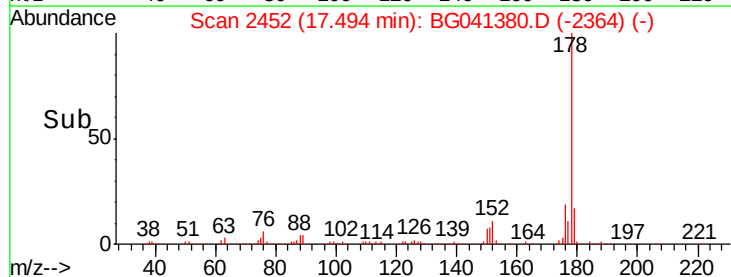
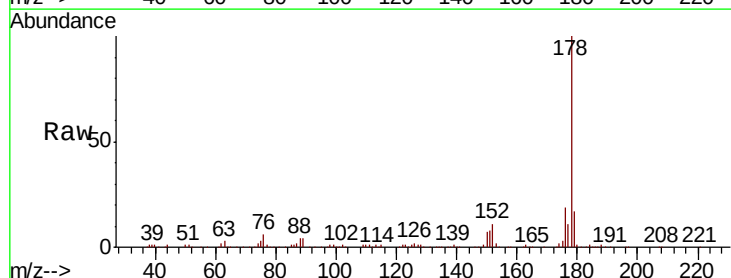
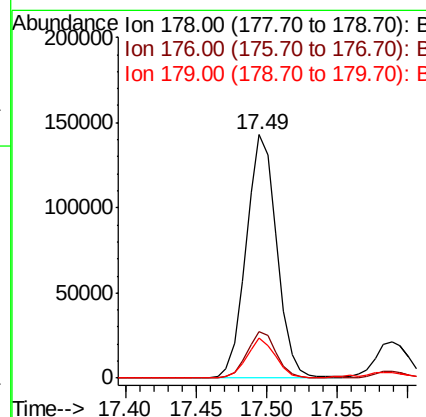
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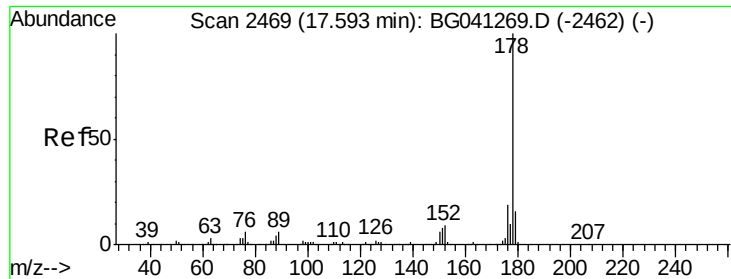
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#71
Phenanthrene
Concen: 18.491 ng
RT: 17.49 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	216631		
176	18.9		16.1	24.1
179	16.6		12.9	19.3





#72

Anthracene

Concen: 2.983 ng

RT: 17.59 min Scan# 2468

Delta R.T. -0.00 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

Instrument :

BNA_G

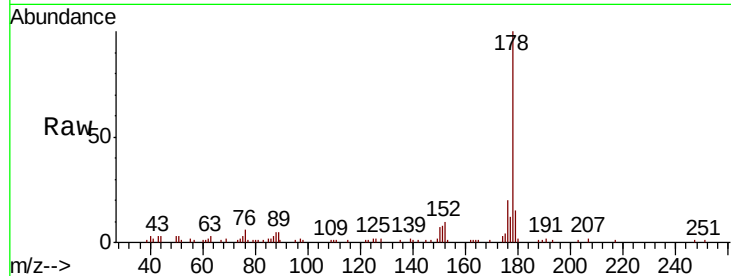
ClientSampleId :

TP-1-MHDL

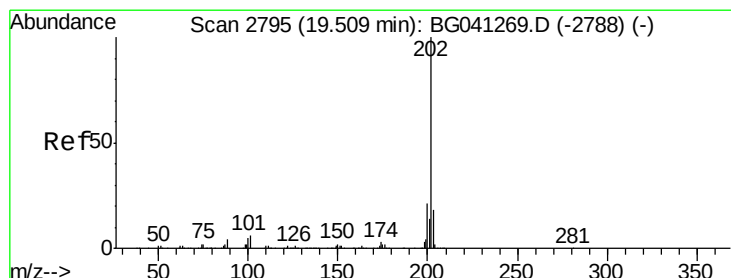
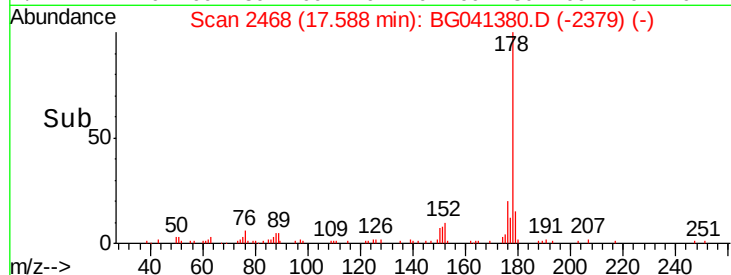
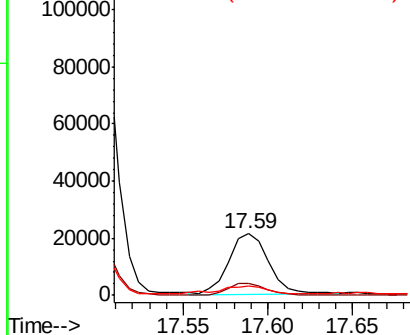
Tot Ion:	178	Resp:	34450
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.4	23.2
179	15.0	13.0	19.4

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 40.641 ng

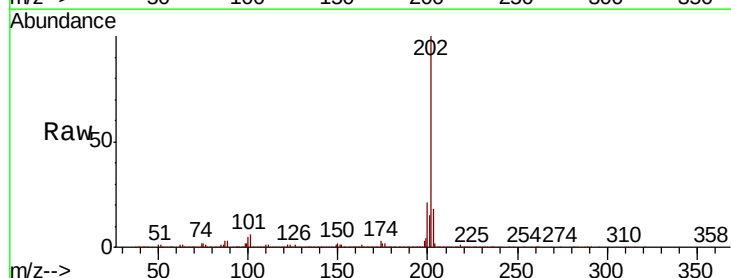
RT: 19.50 min Scan# 2794

Delta R.T. -0.00 min

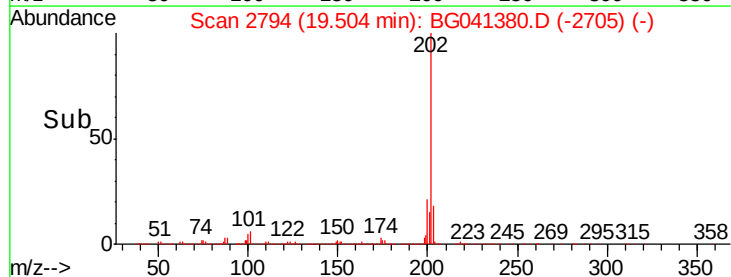
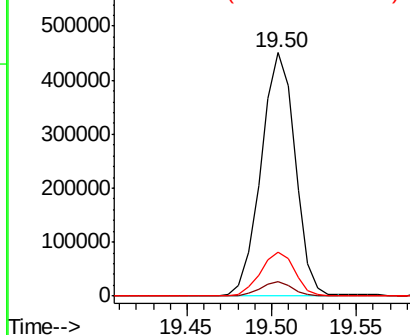
Lab File: BG041380.D

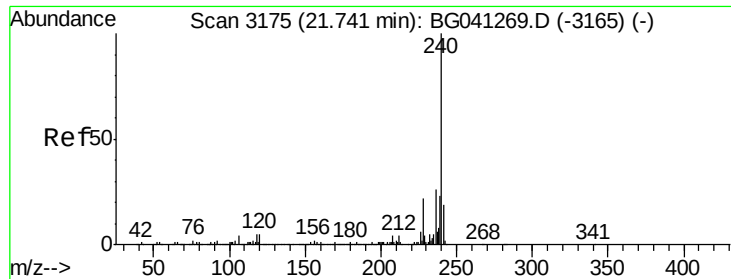
Acq: 21 Jun 2019 15:57

Tgt Ion:	202	Resp:	632549
Ion Ratio	Lower	Upper	
202	100		
101	5.9	0.0	26.0
203	18.2	0.0	37.7



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





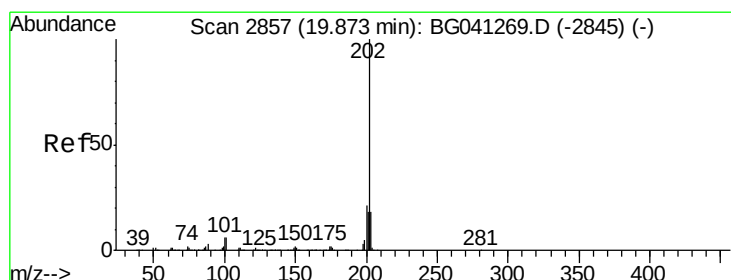
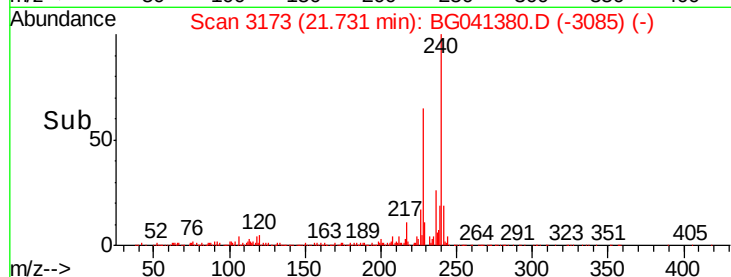
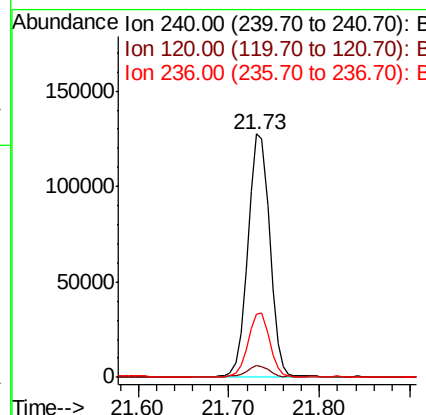
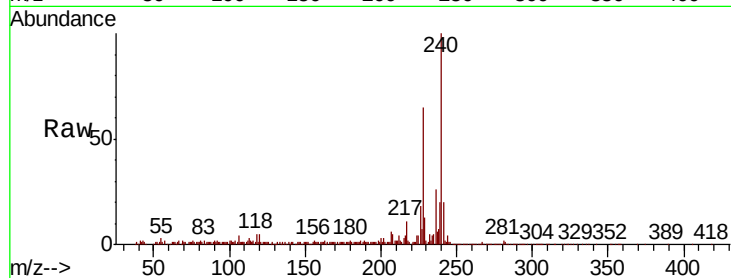
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Instrument :
BNA_G
ClientSampleId :
TP-1-MHDL

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.8	3.7	5.5
236	26.1	21.1	31.7

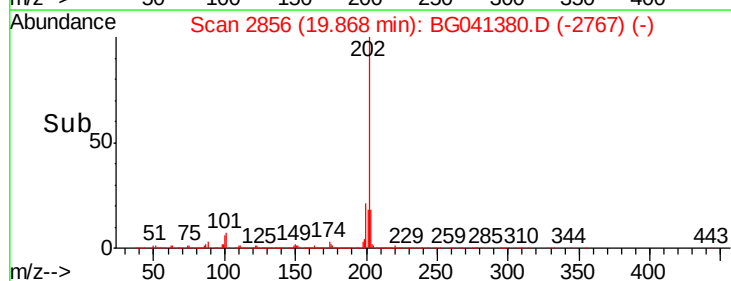
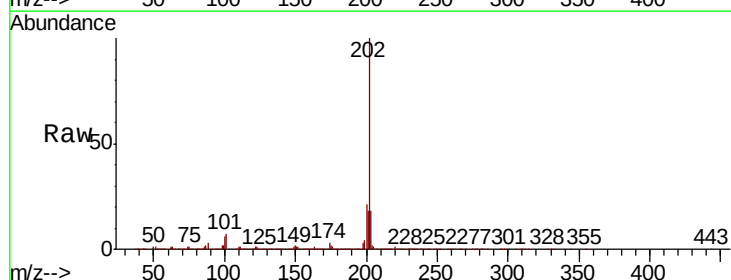
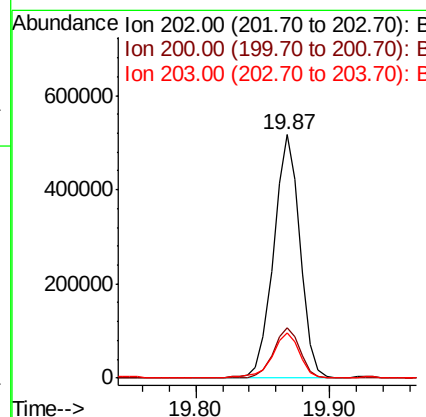
Manual Integrations
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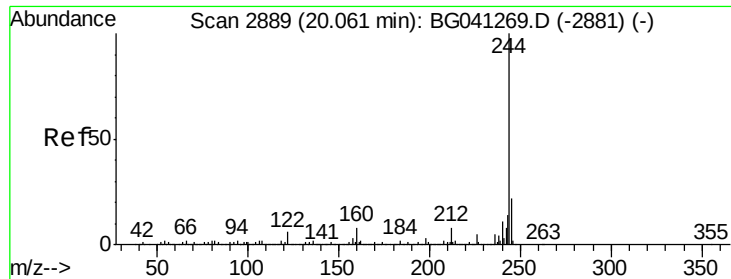
mohammad
6/25/2019 3:20:15 PM



#78
Pyrene
Concen: 49.695 ng
RT: 19.87 min Scan# 2856
Delta R.T. -0.00 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	18.4	14.6	21.8





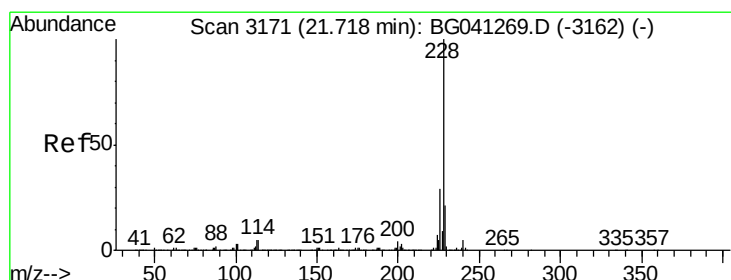
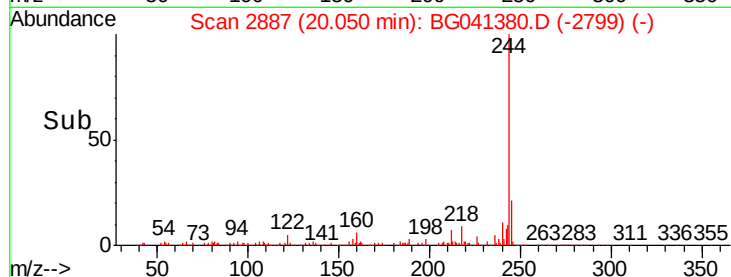
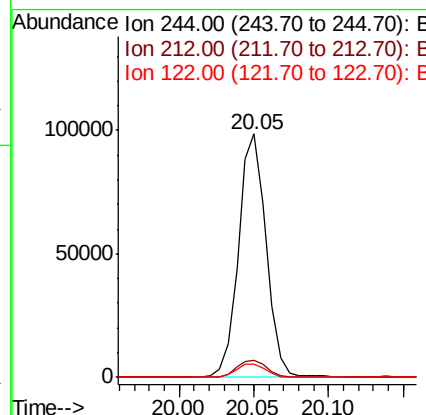
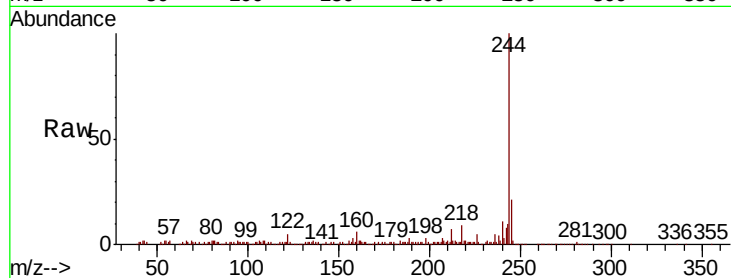
#79
 Terphenyl-d14
 Concen: 11.789 ng
 RT: 20.05 min Scan# 2887
 Delta R.T. -0.01 min
 Lab File: BG041380.D
 Acq: 21 Jun 2019 15:57

Instrument :
 BNA_G
 ClientSampled :
 TP-1-MHDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.6	10.0
122	5.2	5.0	7.4

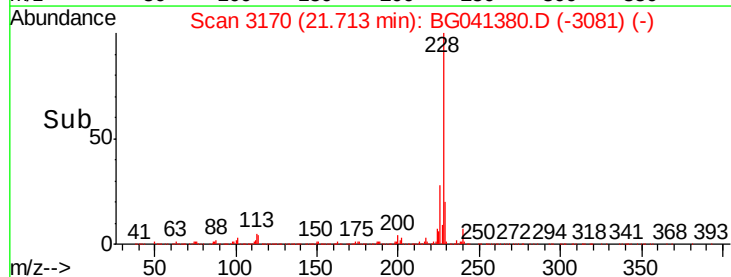
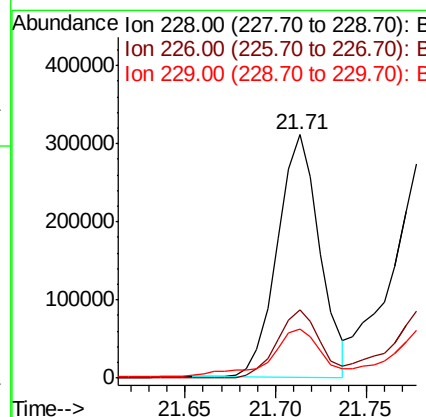
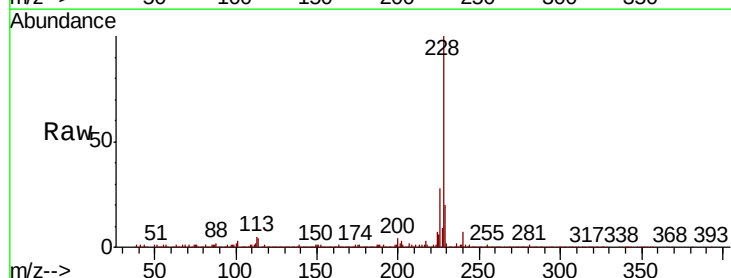
Manual Integrations
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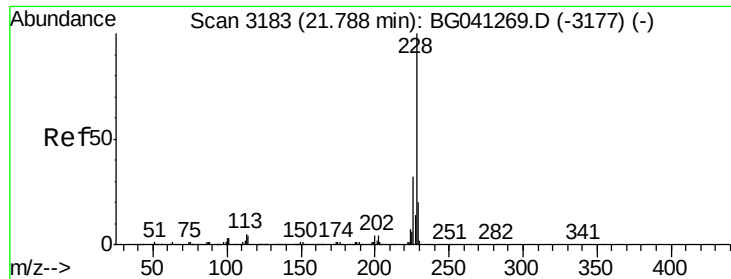
mohammad
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#81
 Benzo(a)anthracene
 Concen: 35.181 ng
 RT: 21.71 min Scan# 3170
 Delta R.T. -0.00 min
 Lab File: BG041380.D
 Acq: 21 Jun 2019 15:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.2	34.8
229	19.9	16.8	25.2





#83

Chrysene

Concen: 39.899 ng

RT: 21.78 min Scan# 3182

Delta R.T. -0.00 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

Instrument :

BNA_G

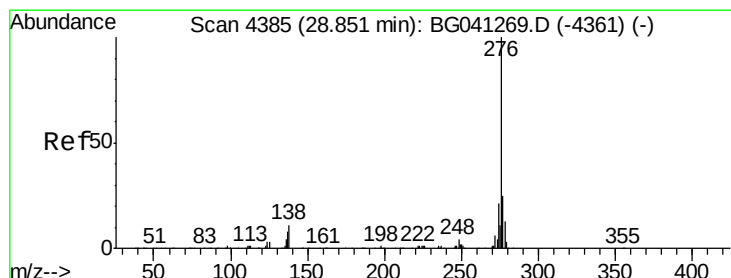
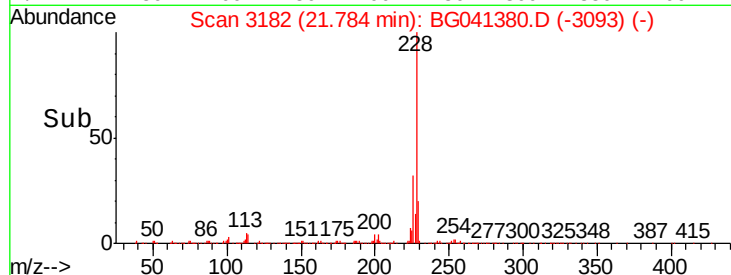
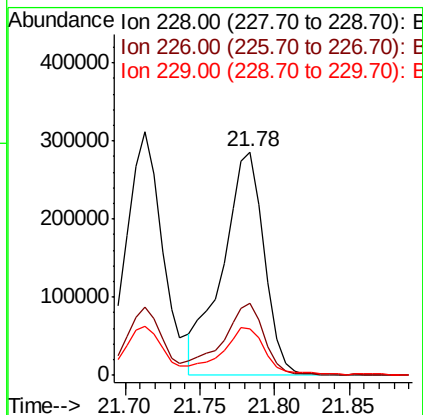
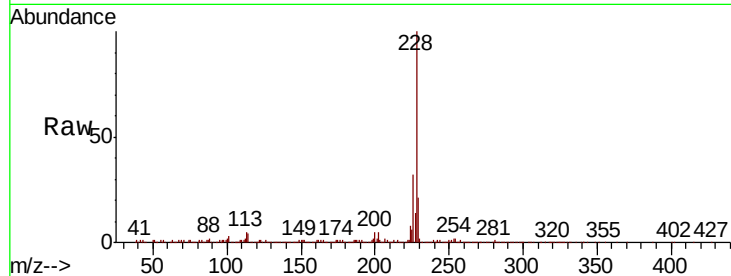
ClientSampleId :

TP-1-MHDL

Tot Ion:	228	Resp:	551097
Ion Ratio	Lower	Upper	
228	100		
226	32.1	25.4	38.0
229	21.0	16.2	24.2

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 19.035 ng

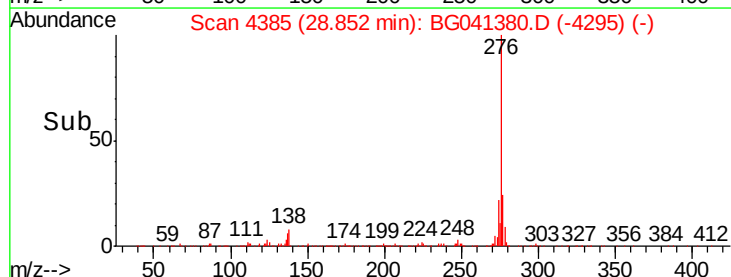
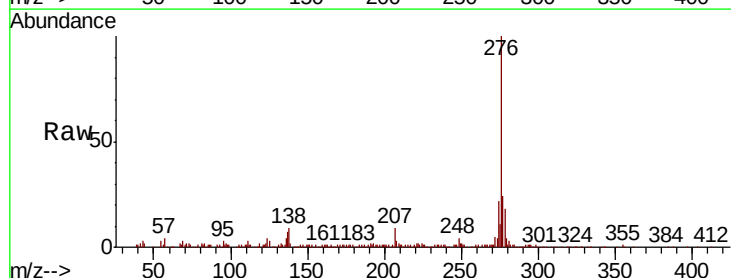
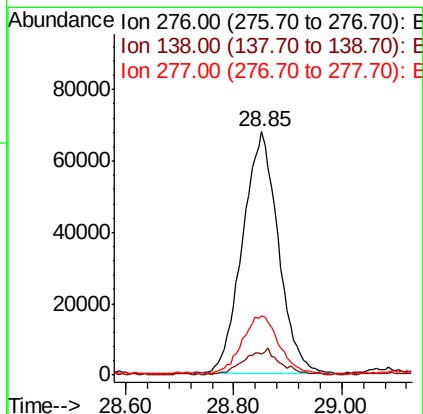
RT: 28.85 min Scan# 4385

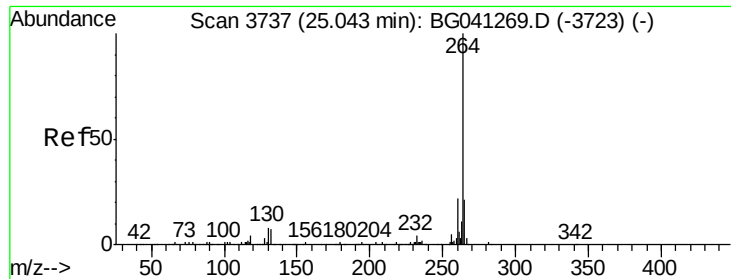
Delta R.T. 0.00 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

Tgt Ion:	276	Resp:	311923
Ion Ratio	Lower	Upper	
276	100		
138	11.2	7.7	11.5
277	25.1	20.6	31.0





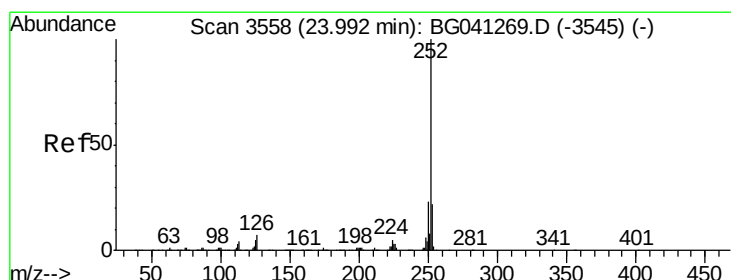
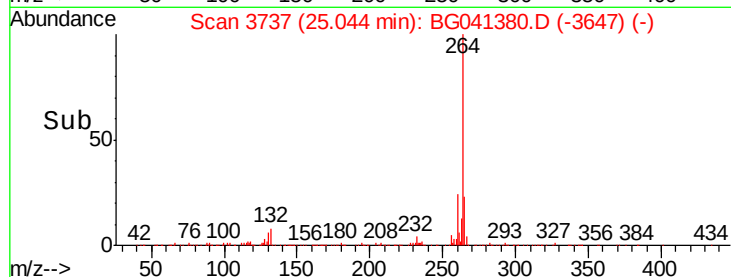
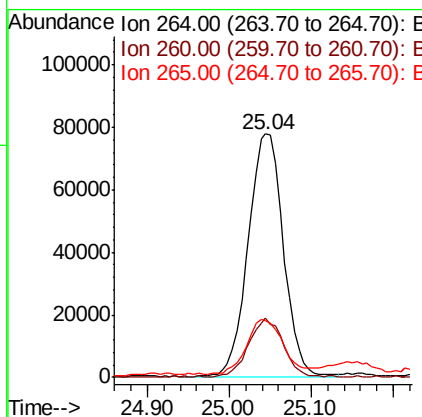
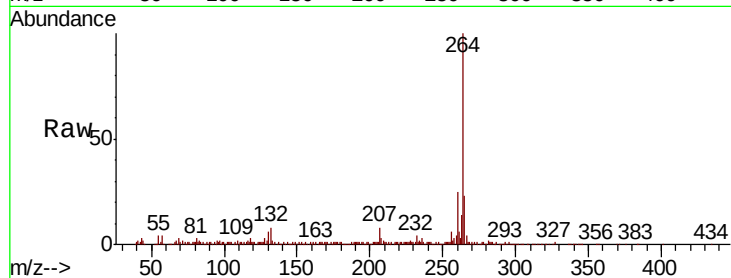
#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.04 min Scan# 3737
Delta R.T. 0.00 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Instrument :
BNA_G
ClientSampled :
TP-1-MHDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	17.4	26.2
265	23.2	17.2	25.8

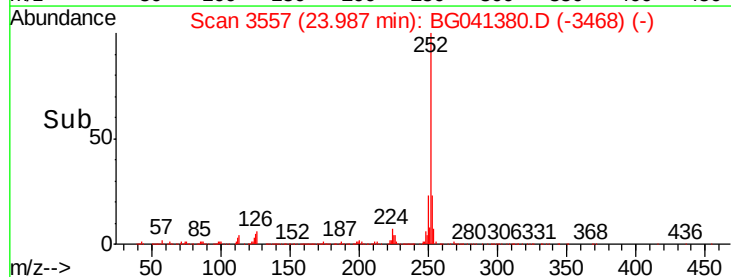
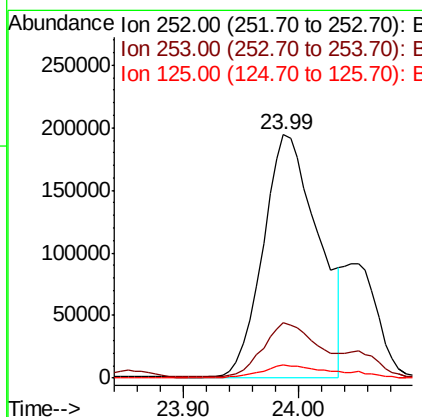
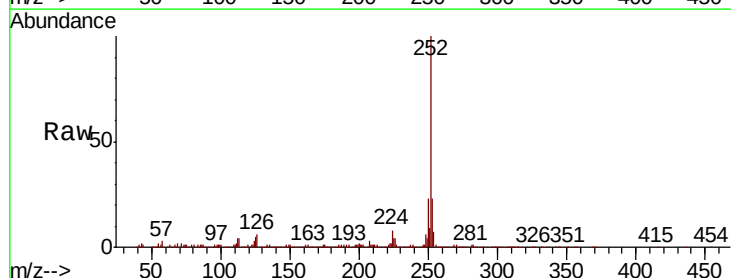
Manual Integrations
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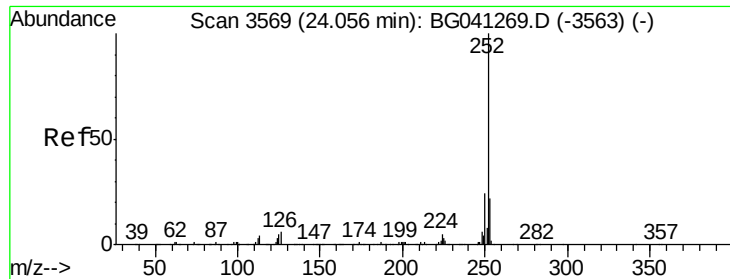
mohammad
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#88
Benzo(b)fluoranthene
Concen: 44.289 ng
RT: 23.99 min Scan# 3557
Delta R.T. -0.00 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	5.3	3.9	5.9





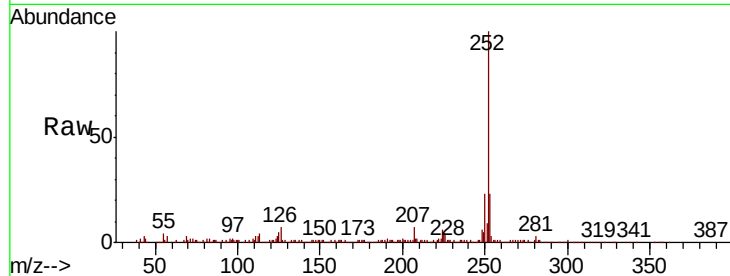
#89
Benzo(k)fluoranthene
Concen: 13.158 ng m
RT: 24.05 min Scan# 3567
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Instrument :
BNA_G
ClientSampled :
TP-1-MHDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	5.1	4.3	6.5

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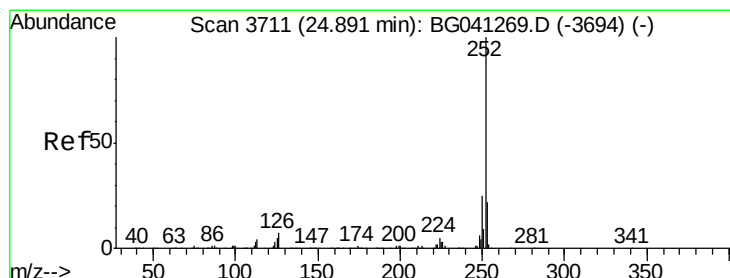
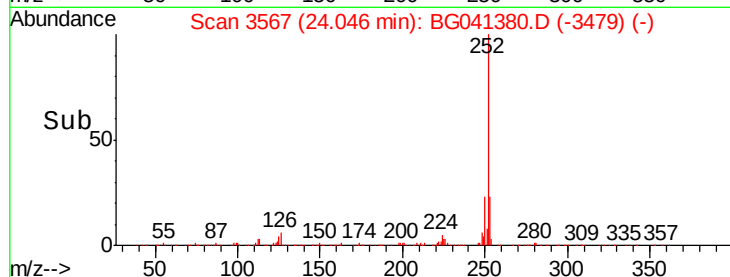
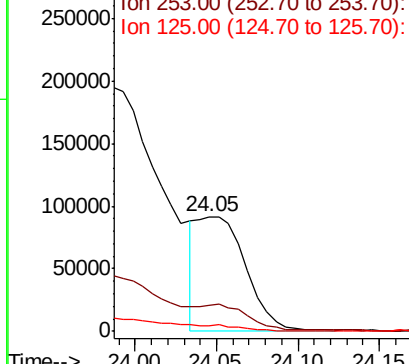


Abundance

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: 29.752 ng
RT: 24.89 min Scan# 3711
Delta R.T. 0.00 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

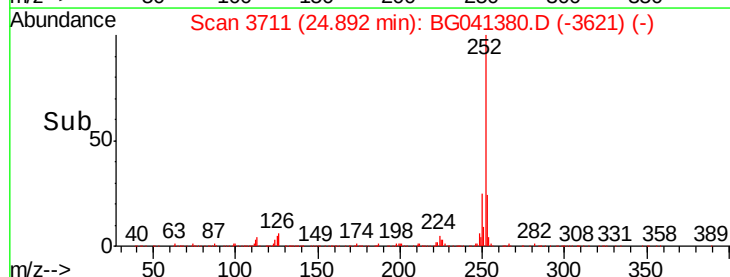
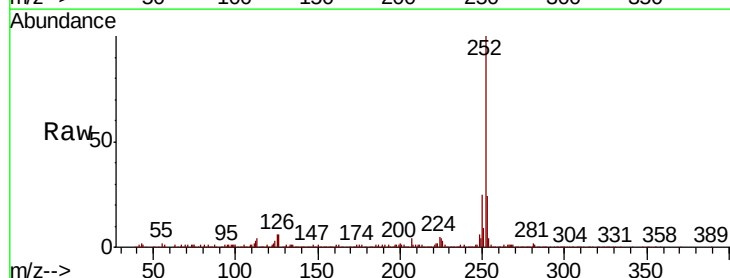
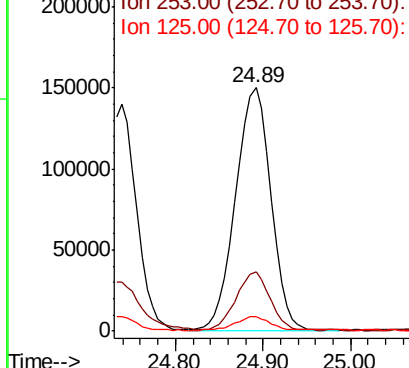
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.6
125	5.8	4.2	6.4

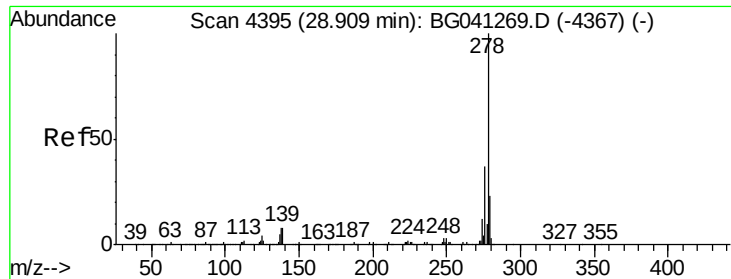
Abundance

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





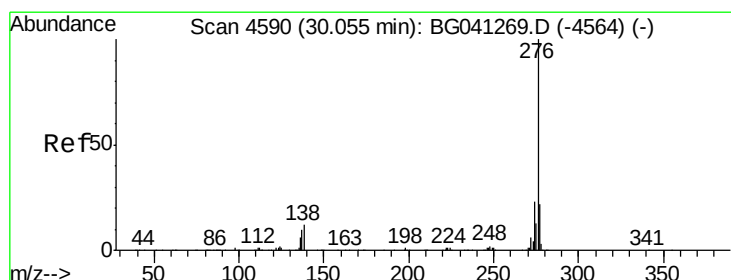
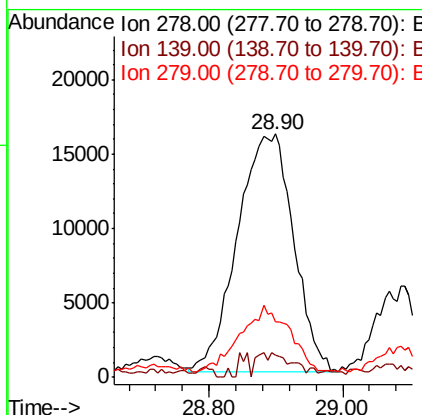
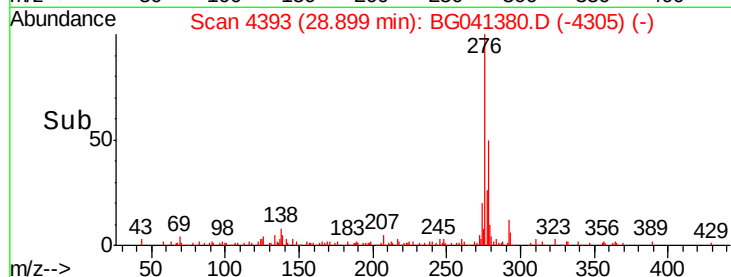
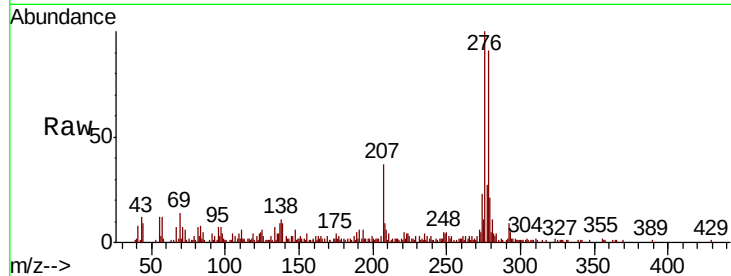
#91
Dibenzo(a,h)anthracene
Concen: 6.706 ng
RT: 28.90 min Scan# 4393
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Instrument :
BNA_G
ClientSampleId :
TP-1-MHDL

Tot Ion:	278	Resp:	92774
Ion	Ratio	Lower	Upper
278	100		
139	9.4	6.6	10.0
279	22.8	18.5	27.7

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 24.253 ng
RT: 30.06 min Scan# 4590
Delta R.T. 0.00 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Tgt Ion:	276	Resp:	331610
Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	11.3	9.4	14.0

