

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041951.D
 Acq On : 4 Aug 2019 20:48
 Operator : HP/JU
 Sample : K3962-13
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BEP06

Manual Integrations
 APPROVED

mohammad
 8/5/2019 3:04:02 PM

Quant Time: Aug 05 09:58:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 05:06:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	80290	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	325792	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	224345	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	472336	20.00	ng/ul	0.00
77) Chrysene-d12	21.73	240	476150	20.00	ng/ul	0.00
85) Perylene-d12	25.01	264	537247	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	4159	2.27	ng/uL	0.00
5) Phenol-d5	7.18	99	104526	16.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	56925	16.15	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	93024	17.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	79769	15.08	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	47416	19.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	58567	20.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	114947	20.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	95381	14.95	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	358647	20.61	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	412677	20.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	43668	14.95	ng/ul	0.00
57) Fluorene-d10	15.69	176	315038	20.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	43271	14.28	ng/ul	0.00
70) Anthracene-d10	17.55	188	487825	21.53	ng/ul	0.00
78) Pyrene-d10	19.83	212	550317	20.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.79	264	606199	21.60	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.21	94	6760	1.039	ng/ul#	81
44) Dimethylphthalate	14.14	163	144199	8.347	ng/ul	99
69) Phenanthrene	17.49	178	243238	9.407	ng/ul	99
71) Anthracene	17.58	178	52577	2.005	ng/ul	98
76) Fluoranthene	19.50	202	446798	14.955	ng/ul	97
79) Pyrene	19.86	202	543275	16.962	ng/ul	96
82) Benzo(a)anthracene	21.71	228	336497	10.193	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.62	149	29870	1.737	ng/ul	97
84) Chrysene	21.78	228	357642	11.607	ng/ul	98
87) Benzo(b)fluoranthene	23.97	252	370080	10.977	ng/ul	99
88) Benzo(k)fluoranthene	24.03	252	123484m	3.809	ng/ul	
90) Benzo(a)pyrene	24.86	252	296879	9.241	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	28.74	276	138066	3.684	ng/ul	95
92) Dibenzo(a,h)anthracene	28.79	278	44320m	1.450	ng/ul	
93) Benzo(g,h,i)perylene	29.92	276	128342	4.102	ng/ul	99

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

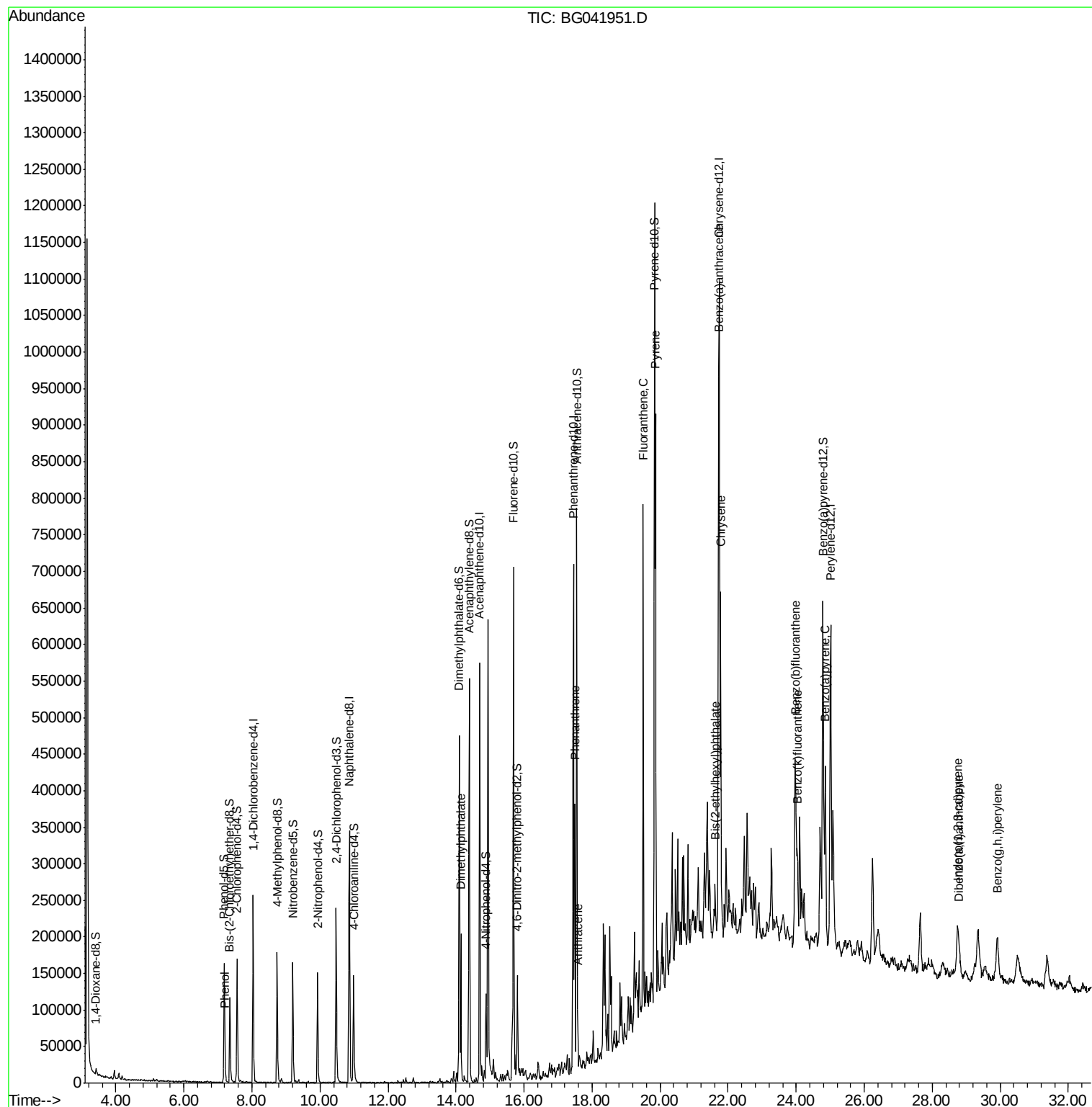
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041951.D
Acq On : 4 Aug 2019 20:48
Operator : HP/JU
Sample : K3962-13
Misc :
ALS Vial : 52 Sample Multiplier: 1

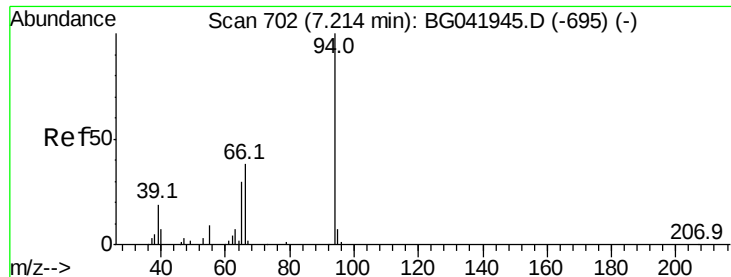
Instrument :
BNA_G
ClientSampleId :
BEP06

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Quant Time: Aug 05 09:58:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 05:06:29 2019
Response via : Initial Calibration





#6

Phenol

Concen: 1.039 ng/ul

RT: 7.21 min Scan# 702

Delta R.T. -0.00 min

Lab File: BG041951.D

Acq: 4 Aug 2019 20:48

Instrument :

BNA_G

ClientSampleId :

BEP06

Tot Ion: 94 Resp: 6760

Ion Ratio Lower Upper

94 100

65 41.7 25.8 38.6#

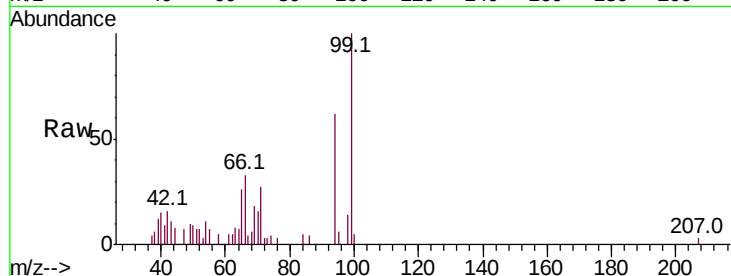
66 52.8 31.8 47.8#

Manual Integrations

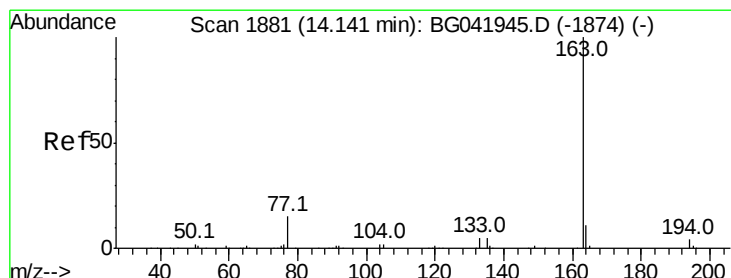
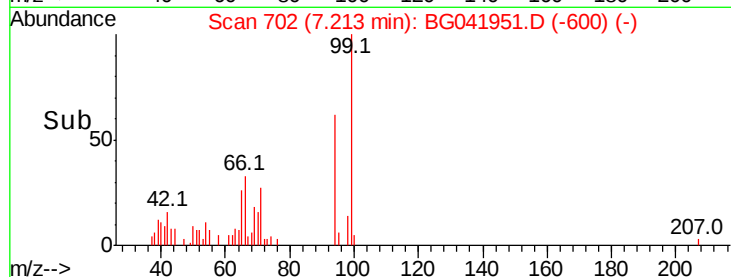
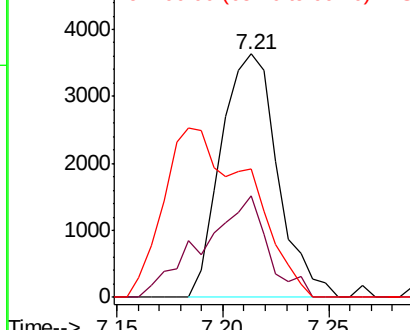
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Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#44

Dimethylphthalate

Concen: 8.347 ng/ul

RT: 14.14 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BG041951.D

Acq: 4 Aug 2019 20:48

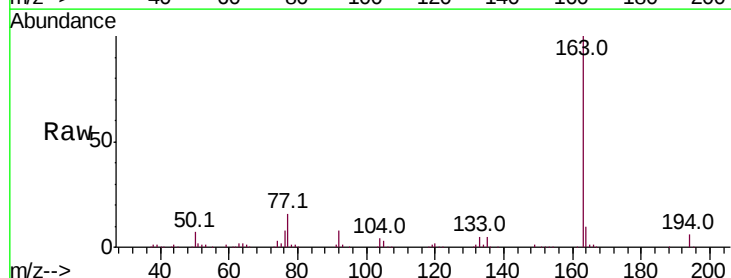
Tgt Ion:163 Resp: 144199

Ion Ratio Lower Upper

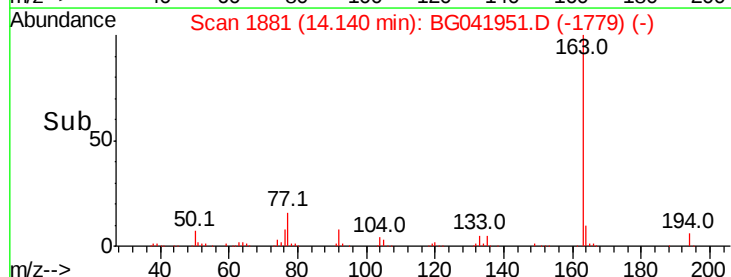
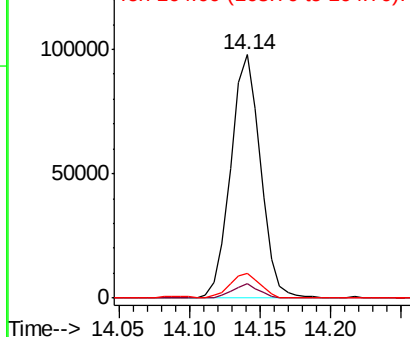
163 100

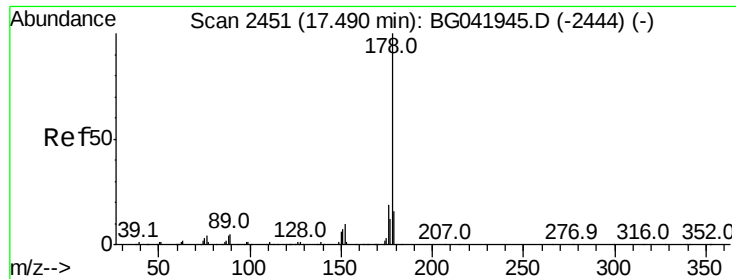
194 6.0 4.2 6.2

164 10.1 7.8 11.8



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





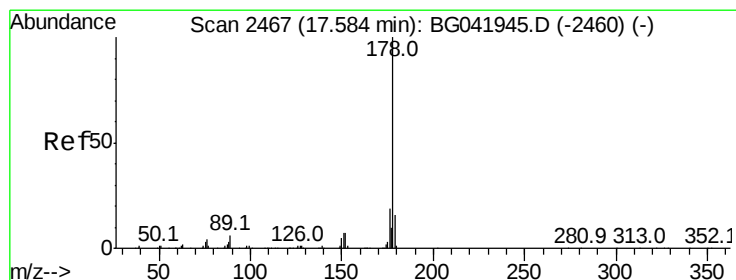
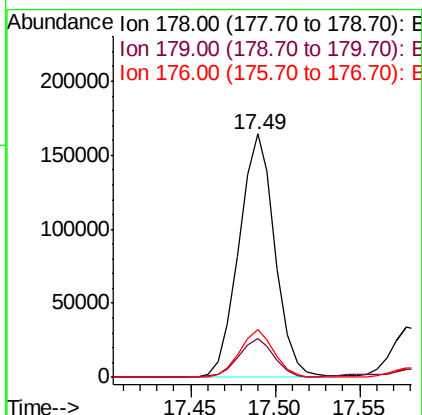
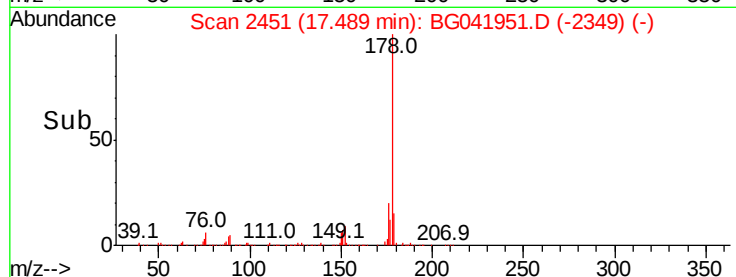
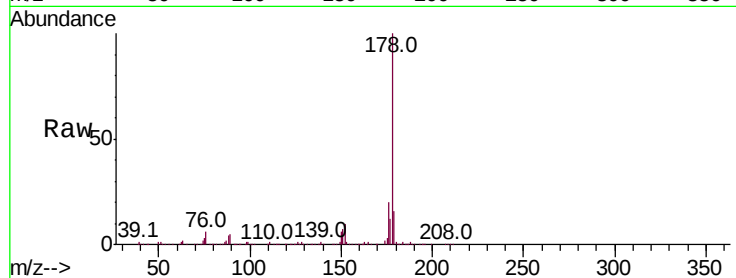
#69
 Phenanthrene
 Concen: 9.407 ng/ul
 RT: 17.49 min Scan# 2451
 Delta R.T. -0.00 min
 Lab File: BG041951.D
 Acq: 4 Aug 2019 20:48

Instrument :
 BNA_G
 ClientSampleId :
 BEP06

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.8	19.2
176	19.8	15.4	23.2

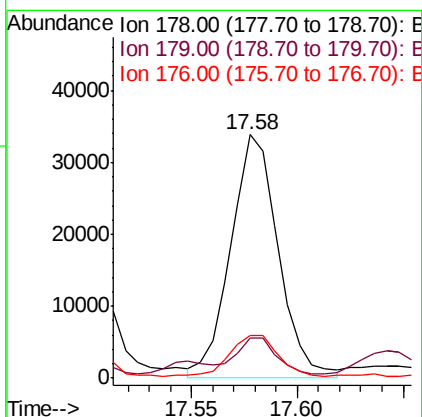
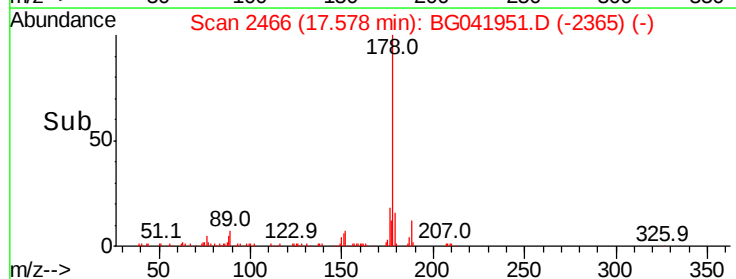
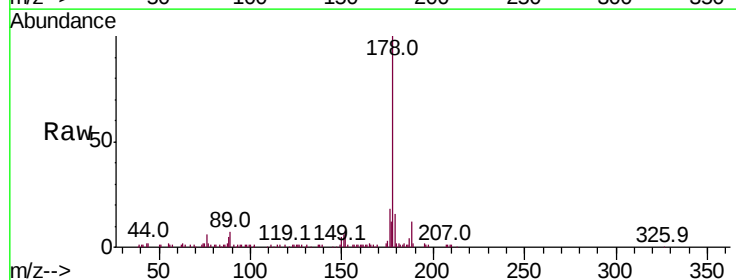
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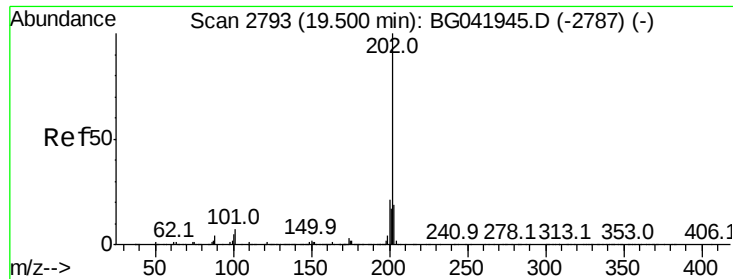
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#71
 Anthracene
 Concen: 2.005 ng/ul
 RT: 17.58 min Scan# 2466
 Delta R.T. -0.01 min
 Lab File: BG041951.D
 Acq: 4 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	13.4	20.0
176	17.7	15.4	23.2





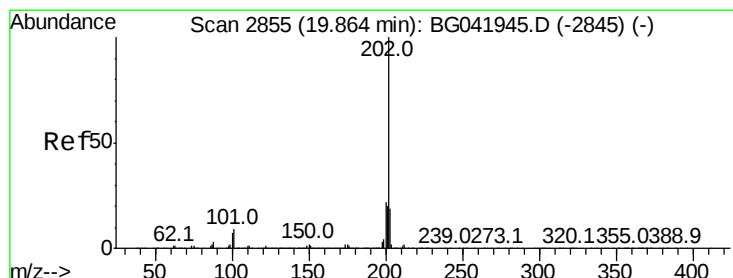
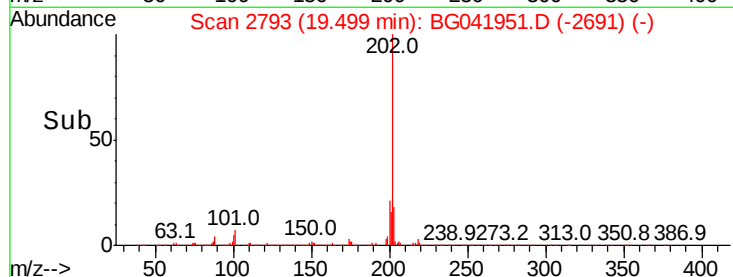
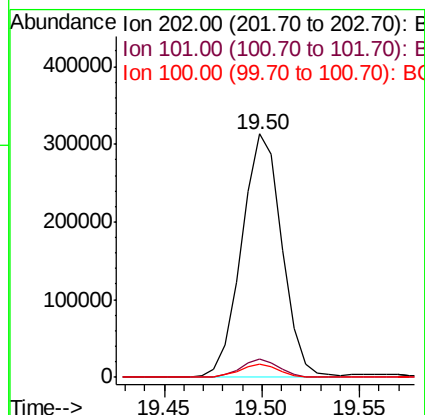
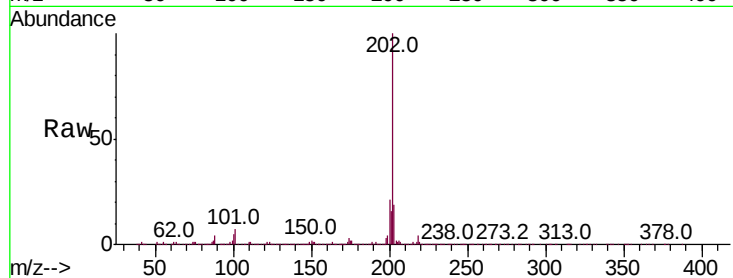
#76
Fluoranthene
Concen: 14.955 ng/ul
RT: 19.50 min Scan# 2793
Delta R.T. -0.00 min
Lab File: BG041951.D
Acq: 4 Aug 2019 20:48

Instrument :
BNA_G
ClientSampleId :
BEP06

Tot Ion:	202	Resp:	446798
Ion Ratio	Lower	Upper	
202	100		
101	7.3	6.7	10.1
100	5.4	5.3	7.9

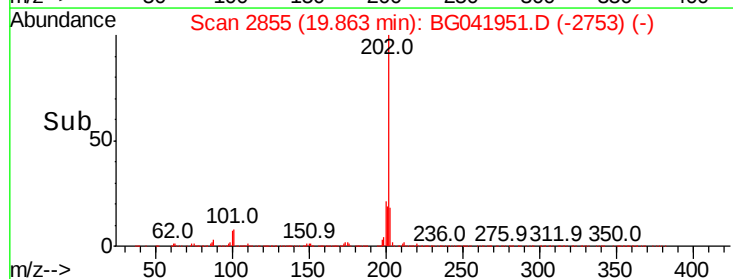
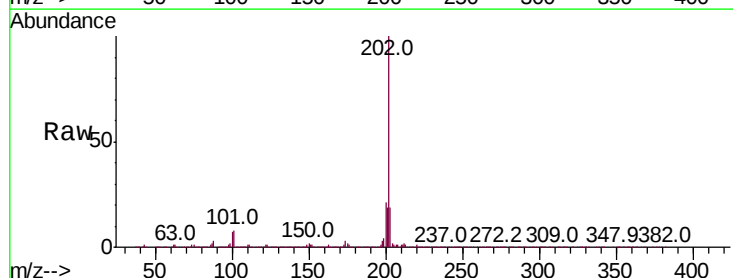
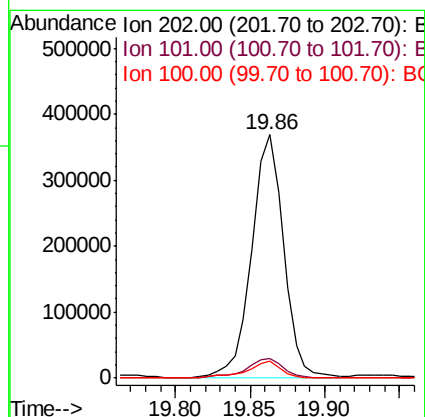
Manual Integrations
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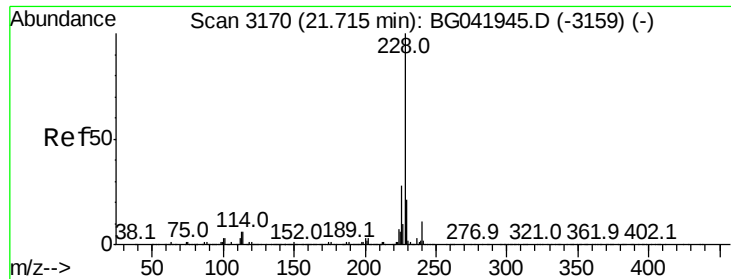
mohammad
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#79
Pyrene
Concen: 16.962 ng/ul
RT: 19.86 min Scan# 2855
Delta R.T. -0.00 min
Lab File: BG041951.D
Acq: 4 Aug 2019 20:48

Tgt Ion:	202	Resp:	543275
Ion Ratio	Lower	Upper	
202	100		
101	8.1	7.6	11.4
100	6.8	6.5	9.7





#82

Benzo(a)anthracene

Concen: 10.193 ng/ul

RT: 21.71 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BG041951.D

Acq: 4 Aug 2019 20:48

Instrument :

BNA_G

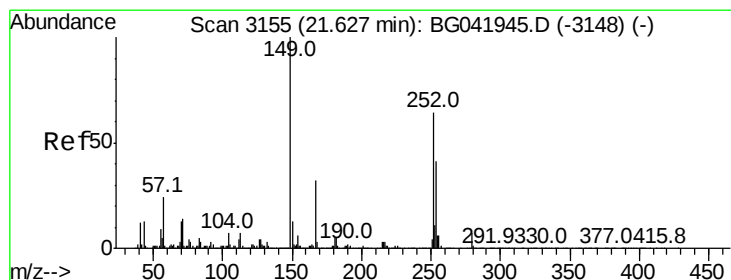
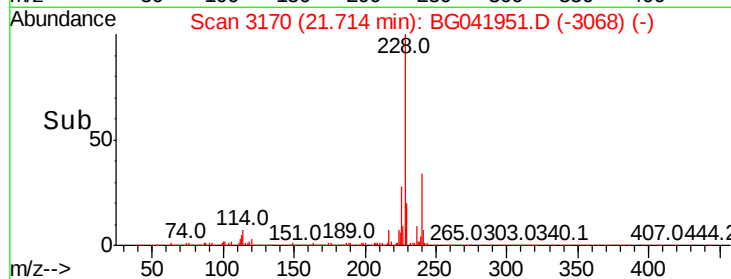
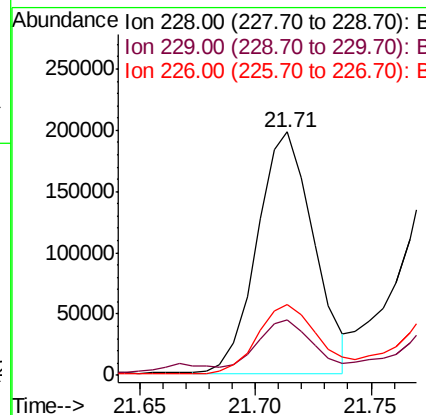
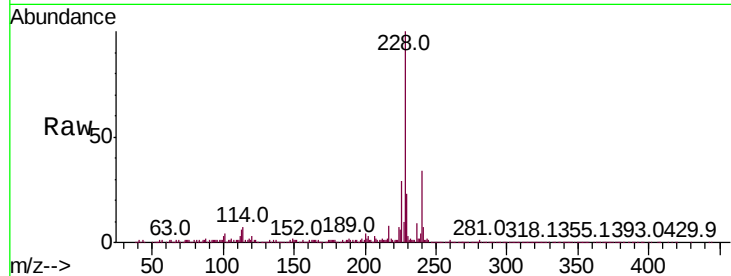
ClientSampleId :

BEP06

Tot Ion:	228	Resp:	336497
Ion Ratio	Lower	Upper	
228	100		
229	22.8	17.0	25.6
226	28.9	23.3	34.9

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#83

Bis(2-ethylhexyl)phthalate

Concen: 1.737 ng/ul

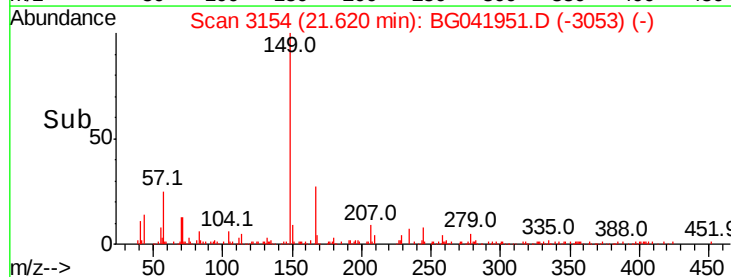
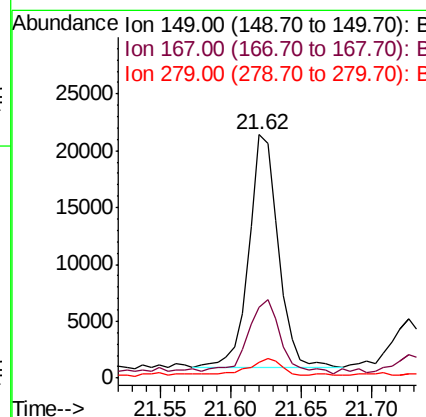
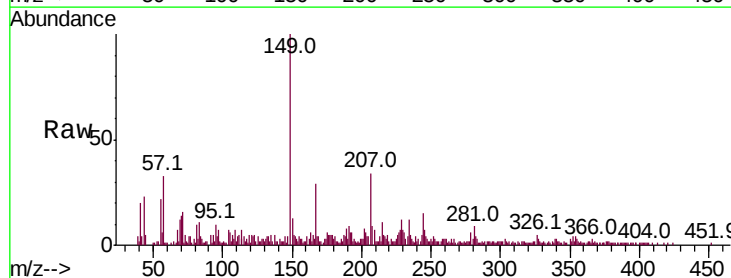
RT: 21.62 min Scan# 3154

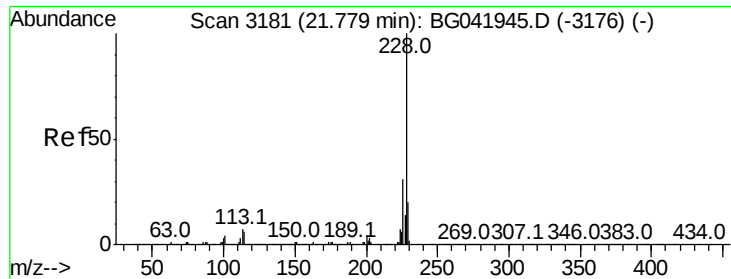
Delta R.T. -0.01 min

Lab File: BG041951.D

Acq: 4 Aug 2019 20:48

Tgt Ion:	149	Resp:	29870
Ion Ratio	Lower	Upper	
149	100		
167	29.0	25.0	37.4
279	6.4	5.2	7.8





#84

Chrysene

Concen: 11.607 ng/ul

RT: 21.78 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BG041951.D

Acq: 4 Aug 2019 20:48

Instrument :

BNA_G

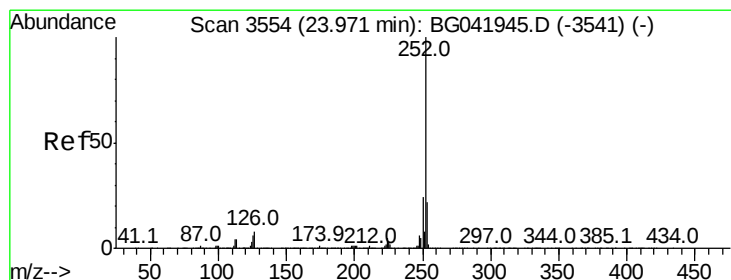
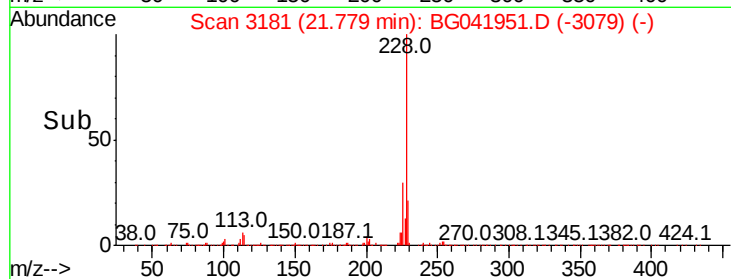
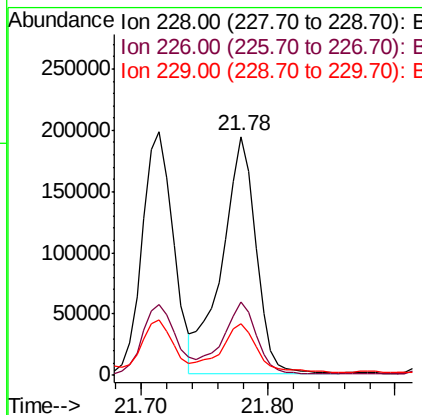
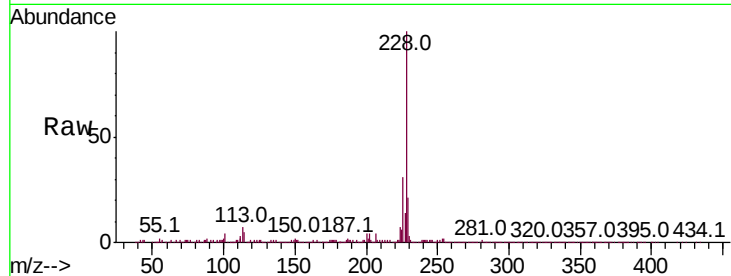
ClientSampled :

BEP06

Tot Ion:	228	Resp:	357642
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.7	38.5
229	21.3	16.6	24.8

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#87

Benzo(b)fluoranthene

Concen: 10.977 ng/ul

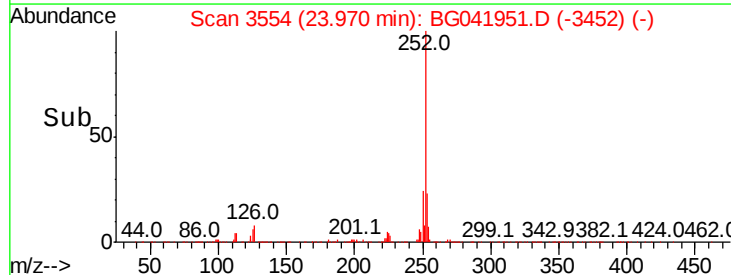
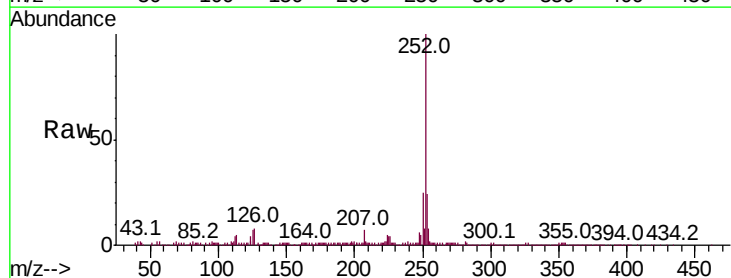
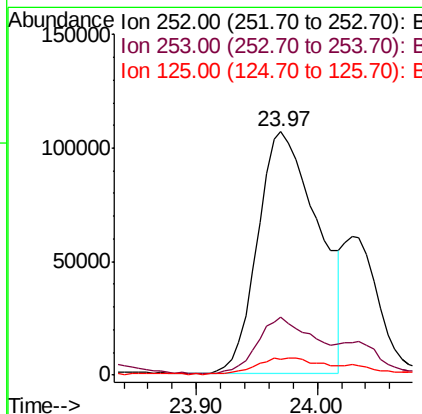
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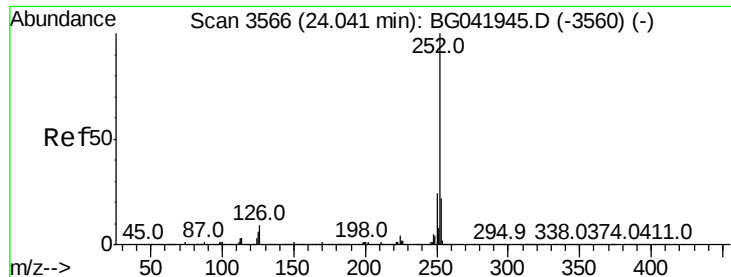
Delta R.T. -0.00 min

Lab File: BG041951.D

Acq: 4 Aug 2019 20:48

Tgt Ion:	252	Resp:	370080
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.4	27.6
125	6.7	5.8	8.8





#88

Benzo(k)fluoranthene

Concen: 3.809 ng/ul

RT: 24.03 min Scan# 3564

Delta R.T. -0.01 min

Lab File: BG041951.D

Acq: 4 Aug 2019 20:48

Instrument :

BNA_G

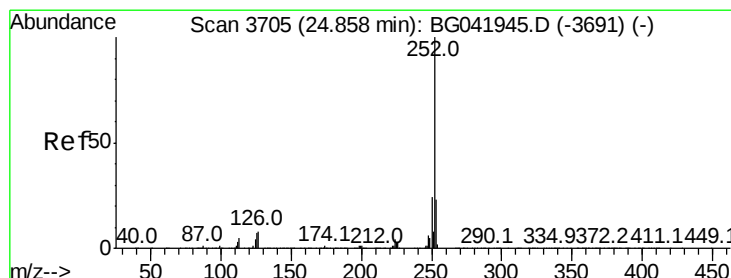
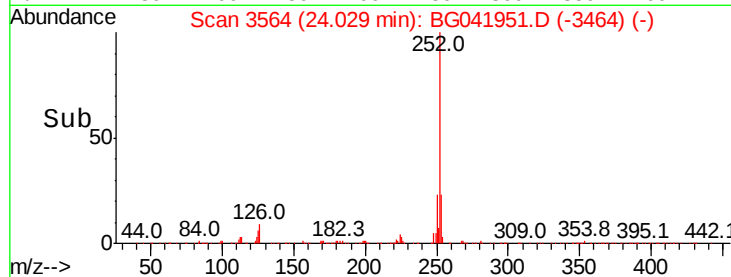
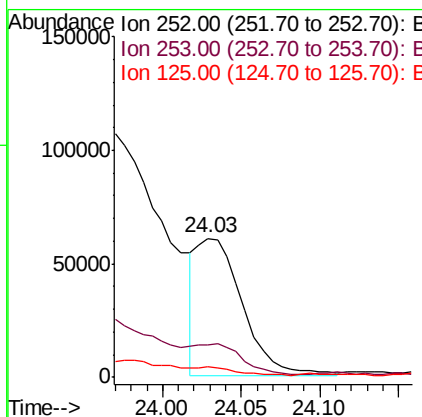
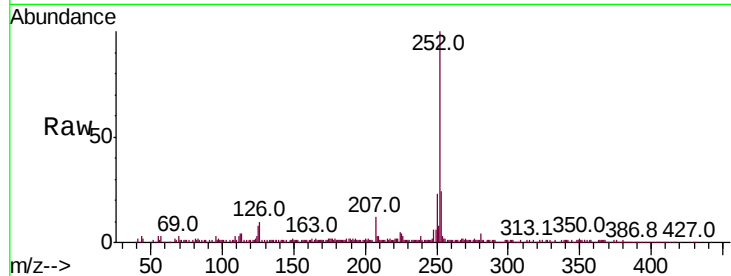
ClientSampleId :

BEP06

Tot Ion:	252	Resp:	123484
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.3	27.5
125	7.8	5.5	8.3

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#90

Benzo(a)pyrene

Concen: 9.241 ng/ul

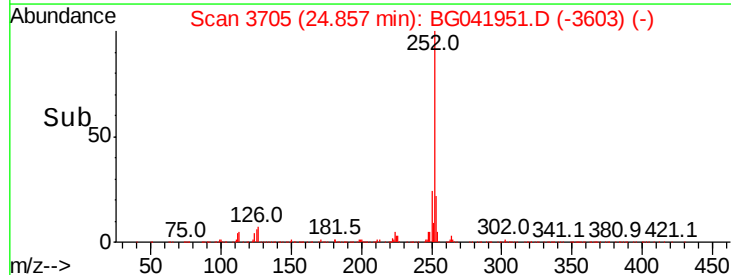
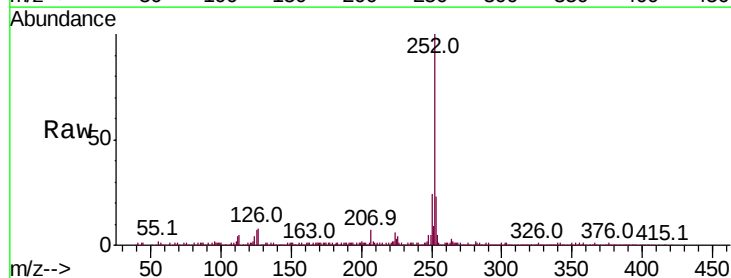
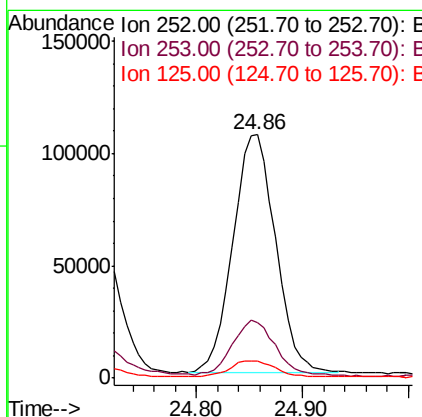
RT: 24.86 min Scan# 3705

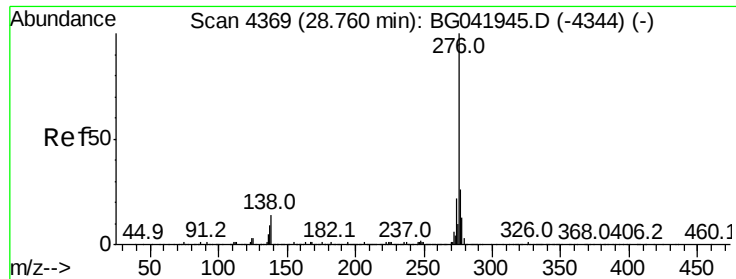
Delta R.T. -0.00 min

Lab File: BG041951.D

Acq: 4 Aug 2019 20:48

Tgt Ion:	252	Resp:	296879
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.3	27.5
125	6.9	6.5	9.7





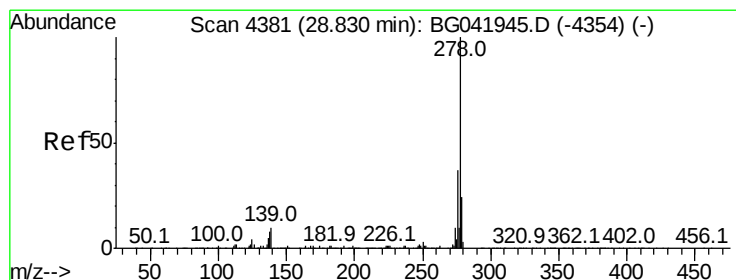
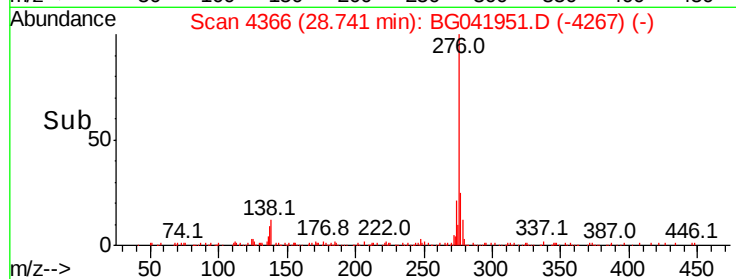
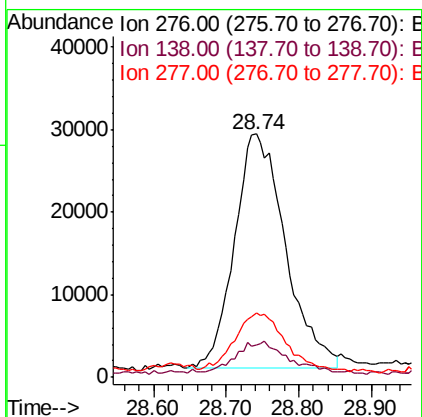
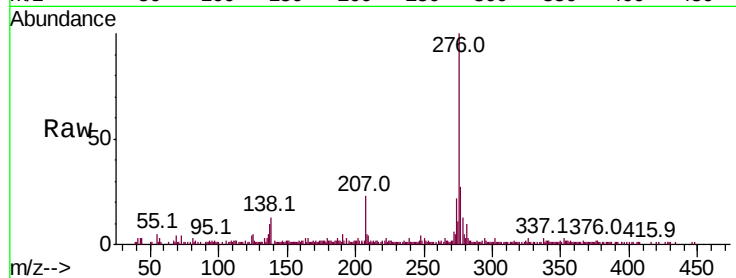
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 3.684 ng/ul
 RT: 28.74 min Scan# 4366
 Delta R.T. -0.02 min
 Lab File: BG041951.D
 Acq: 4 Aug 2019 20:48

Instrument :
 BNA_G
 ClientSampleId :
 BEP06

Tot Ion:	276	Resp:	138066
Ion Ratio	Lower	Upper	
276	100		
138	13.3	12.0	18.0
277	26.6	19.2	28.8

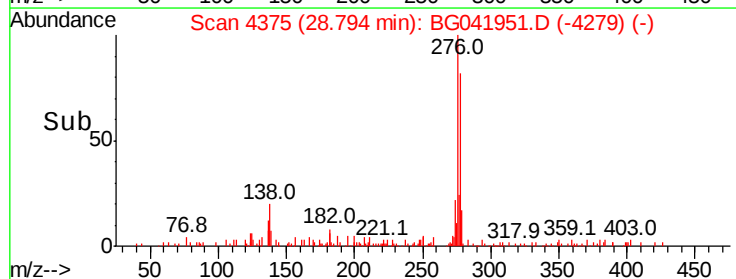
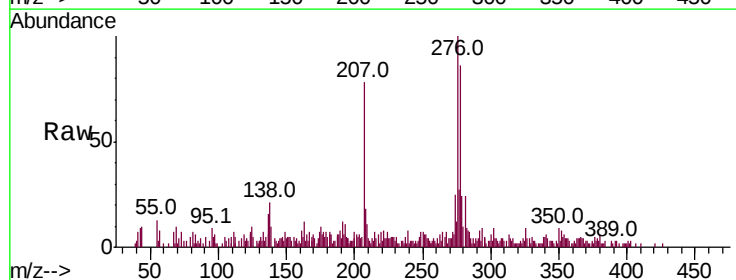
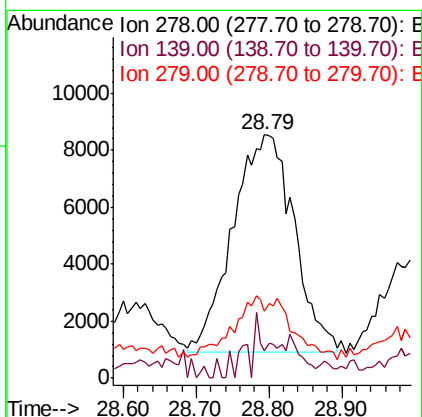
Manual Integrations
 APPROVED

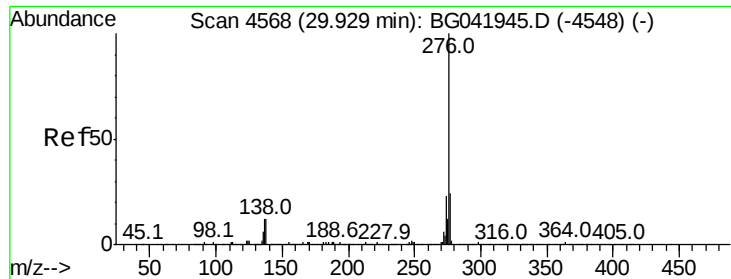
mohammad
 8/5/2019 3:04:02 PM



#92
 Dibenzo(a,h)anthracene
 Concen: 1.450 ng/ul m
 RT: 28.79 min Scan# 4375
 Delta R.T. -0.04 min
 Lab File: BG041951.D
 Acq: 4 Aug 2019 20:48

Tgt Ion:	278	Resp:	44320
Ion Ratio	Lower	Upper	
278	100		
139	11.4	9.4	14.0
279	27.5	19.2	28.8





#93

Benzo(a,h,i)perylene

Concen: 4.102 ng/ul

RT: 29.92 min Scan# 4566

Delta R.T. -0.01 min

Lab File: BG041951.D

Acq: 4 Aug 2019 20:48

Instrument :

BNA_G

ClientSampleId :

BEP06

Tot Ion:	276	Resp:	128342
Ion Ratio	Lower	Upper	
276	100		
138	15.3	12.6	18.8
277	24.8	19.2	28.8

Manual Integrations
APPROVED

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8/5/2019 3:04:02 PM

