

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
 Data File : BG042115.D
 Acq On : 9 Aug 2019 23:23
 Operator : HP/JU
 Sample : K4041-01
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENW1

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:17:02 AM

Quant Time: Aug 10 04:38:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 09 16:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	79905	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	334650	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	233622	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	478619	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	472211	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	554460	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	5464	2.99	ng/uL	0.00
5) Phenol-d5	7.19	99	123939	19.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	63831	18.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	114467	21.35	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	90021	17.10	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	58452	23.20	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	72424	24.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	135434	22.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	126087	19.24	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	424813	23.45	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	482293	23.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	48139	15.82	ng/ul	0.00
57) Fluorene-d10	15.68	176	370252	22.97	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	61554	20.05	ng/ul	0.00
70) Anthracene-d10	17.54	188	539984	23.52	ng/ul	0.00
78) Pyrene-d10	19.83	212	621717	23.59	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	706060	24.38	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	7.16	77	15180	5.123	ng/ul 89
44) Dimethylphthalate	14.13	163	143226	7.961	ng/ul 98
69) Phenanthrene	17.48	178	182274	6.956	ng/ul 99
71) Anthracene	17.57	178	34920	1.314	ng/ul 99
76) Fluoranthene	19.50	202	310649m	10.261	ng/ul
79) Pyrene	19.85	202	266792	8.399	ng/ul 96
82) Benzo(a)anthracene	21.70	228	144276	4.407	ng/ul 99
84) Chrysene	21.77	228	136097	4.454	ng/ul 96
87) Benzo(b)fluoranthene	23.95	252	177968	5.115	ng/ul 97
88) Benzo(k)fluoranthene	24.01	252	64524m	1.929	ng/ul
90) Benzo(a)pyrene	24.84	252	131508	3.966	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	28.71	276	82361	2.130	ng/ul 97
93) Benzo(g,h,i)perylene	29.88	276	70775	2.192	ng/ul 96

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

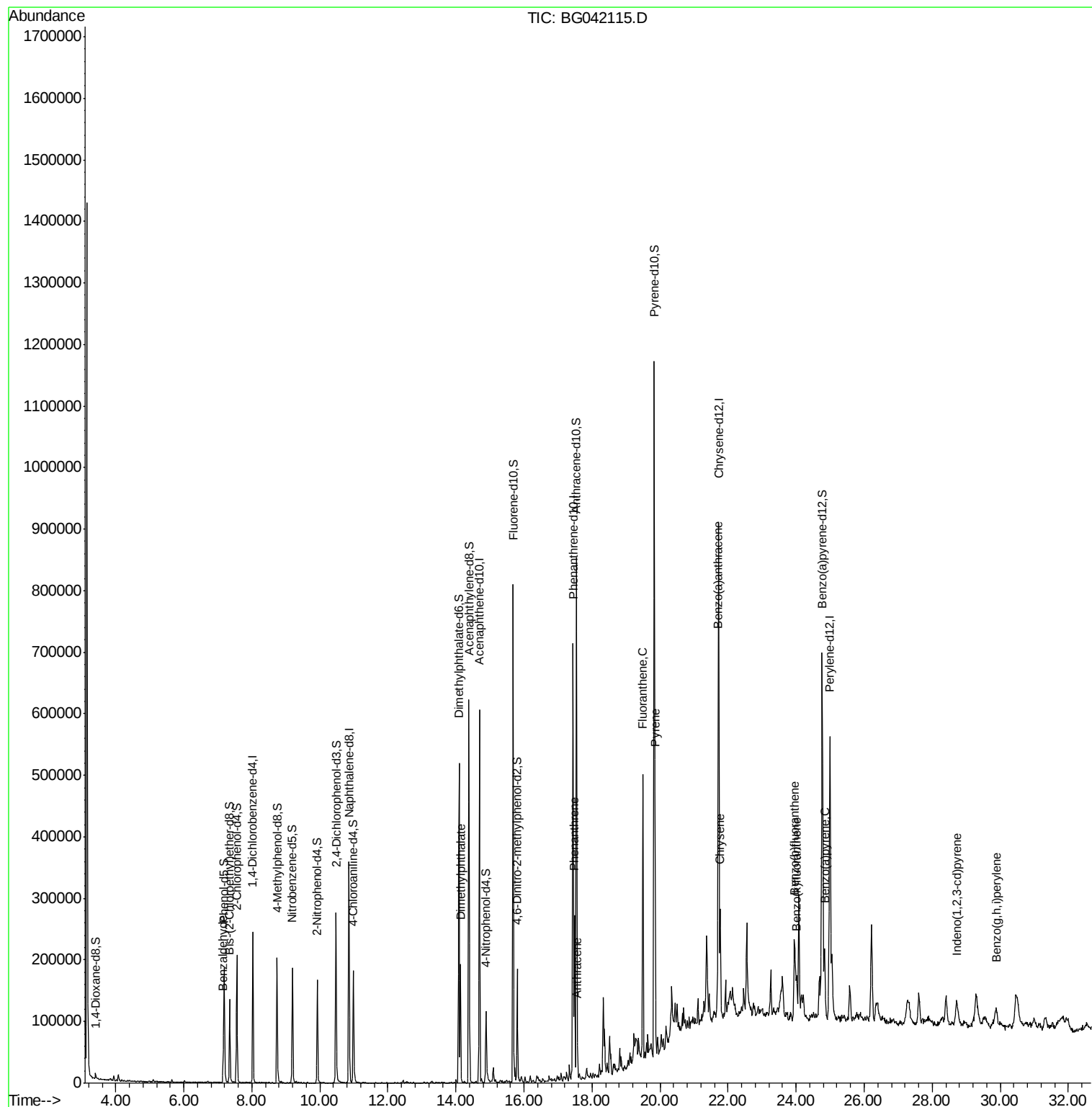
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042115.D
Acq On : 9 Aug 2019 23:23
Operator : HP/JU
Sample : K4041-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

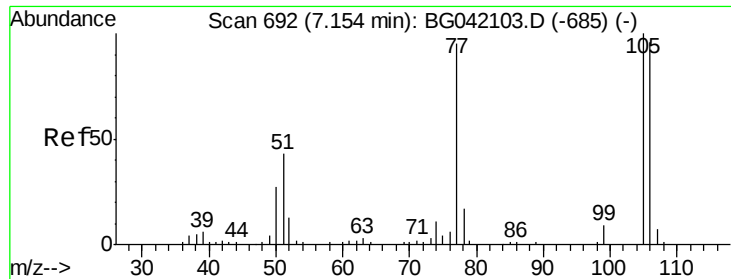
Instrument :
BNA_G
ClientSampleId :
BENW1

Manual Integrations
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8/13/2019 8:17:02 AM

Quant Time: Aug 10 04:38:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 16:22:05 2019
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 5.123 ng/ul

RT: 7.16 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG042115.D

Acq: 9 Aug 2019 23:23

Instrument :

BNA_G

ClientSampleId :

BENW1

Tot Ion: 77 Resp: 15180

Ion Ratio Lower Upper

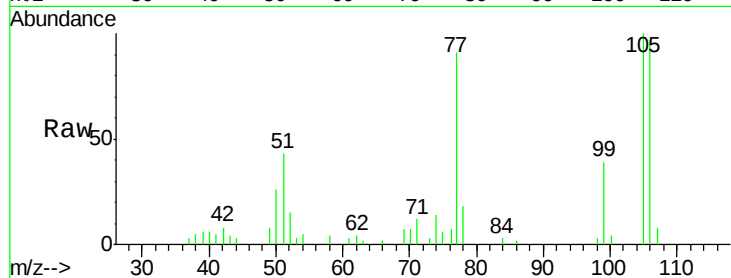
77 100

105 110.2 80.7 121.1

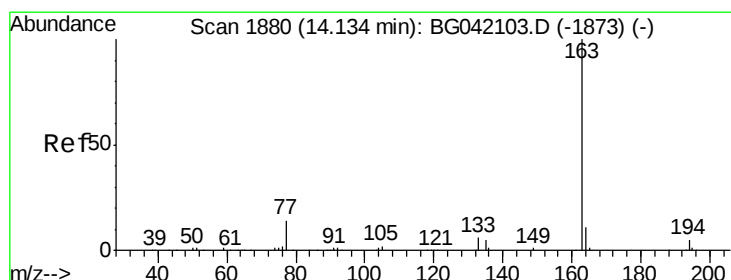
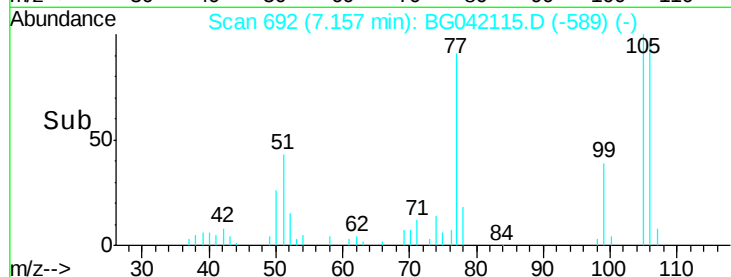
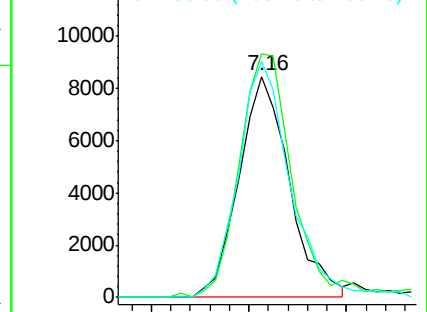
106 106.9 76.3 114.5

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Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#44

Dimethylphthalate

Concen: 7.961 ng/ul

RT: 14.13 min Scan# 1879

Delta R.T. -0.00 min

Lab File: BG042115.D

Acq: 9 Aug 2019 23:23

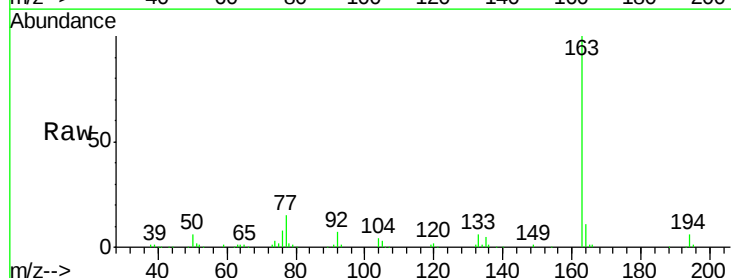
Tgt Ion: 163 Resp: 143226

Ion Ratio Lower Upper

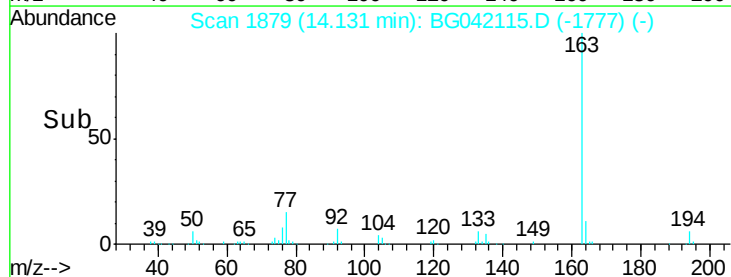
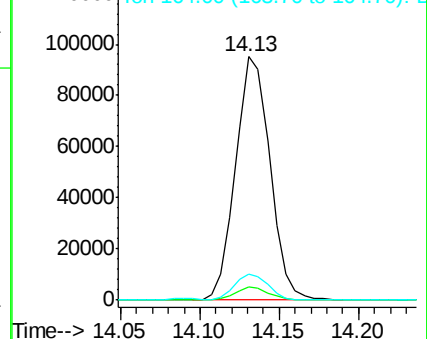
163 100

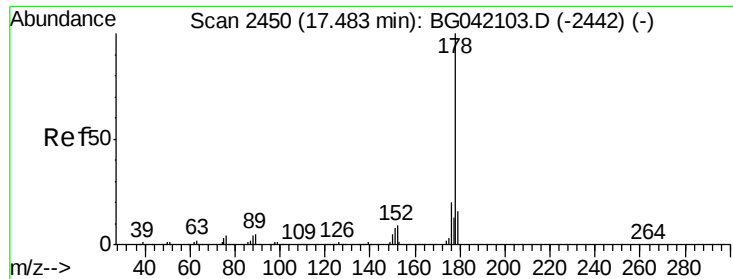
194 5.6 4.2 6.2

164 10.6 7.8 11.8



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





#69

Phenanthrene

Concen: 6.956 ng/ul

RT: 17.48 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG042115.D

Acq: 9 Aug 2019 23:23

Instrument :

BNA_G

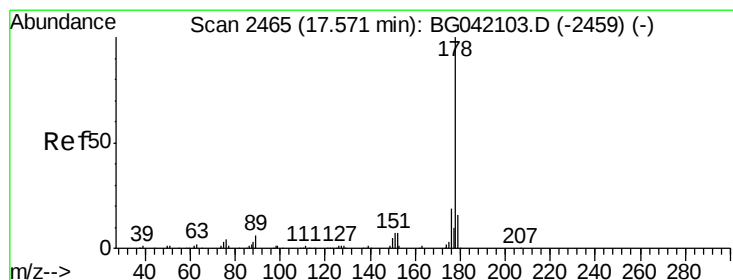
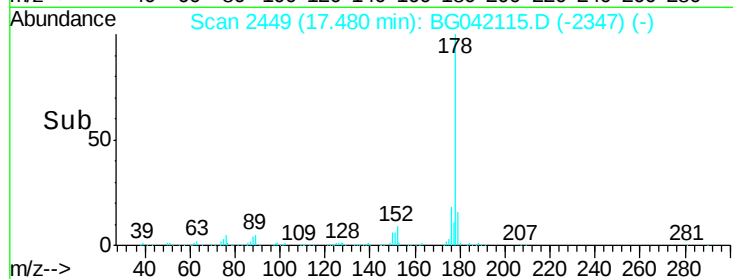
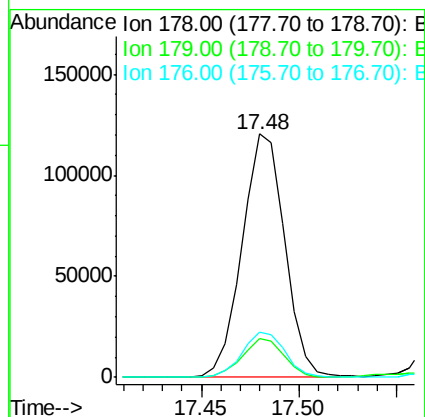
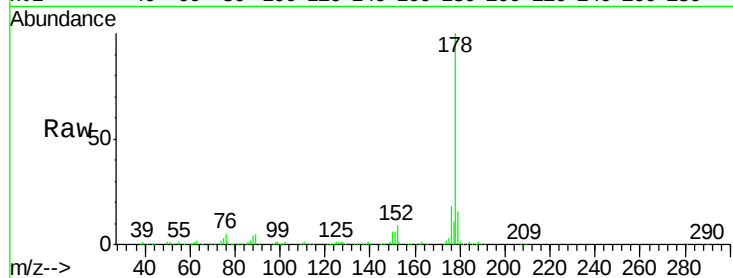
ClientSampleId :

BENW1

Tot Ion:	178	Resp:	182274
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.8	19.2
176	18.3	15.4	23.2

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#71

Anthracene

Concen: 1.314 ng/ul

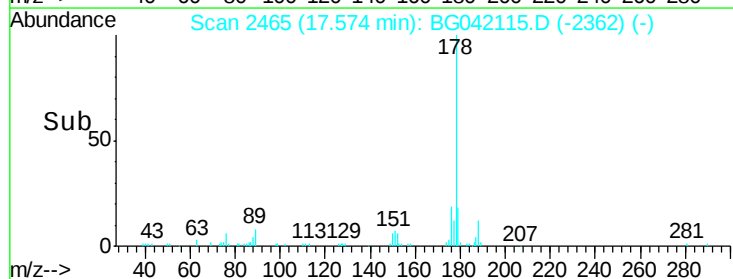
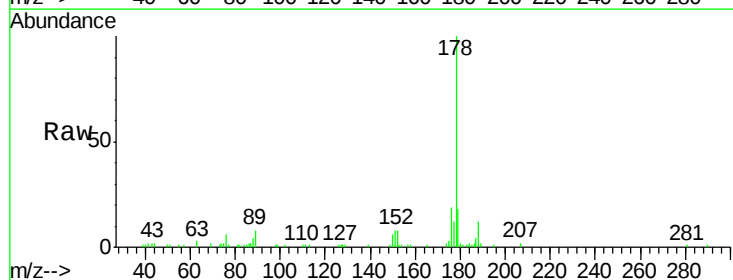
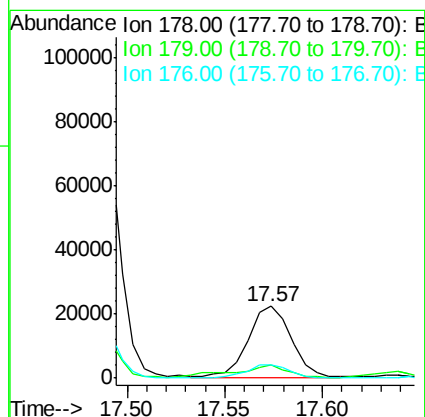
RT: 17.57 min Scan# 2465

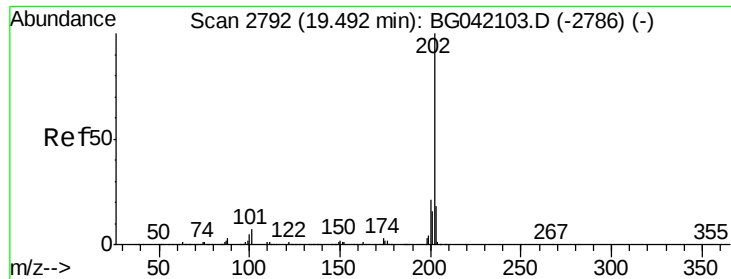
Delta R.T. 0.00 min

Lab File: BG042115.D

Acq: 9 Aug 2019 23:23

Tgt Ion:	178	Resp:	34920
Ion Ratio	Lower	Upper	
178	100		
179	17.5	13.4	20.0
176	19.2	15.4	23.2





#76

Fluoranthene

Concen: 10.261 ng/ul m

RT: 19.50 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BG042115.D

Acq: 9 Aug 2019 23:23

Instrument :

BNA_G

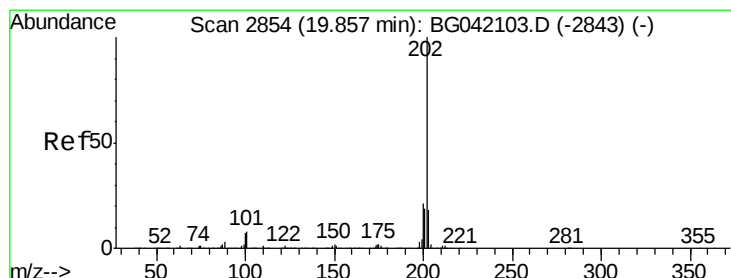
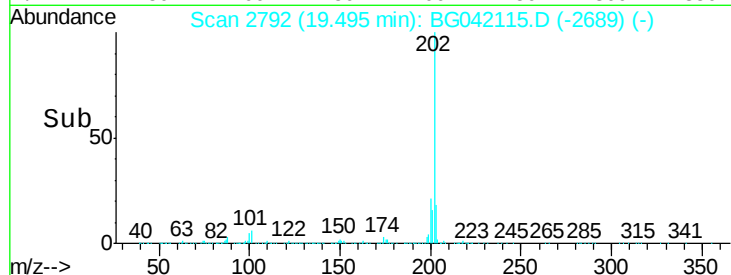
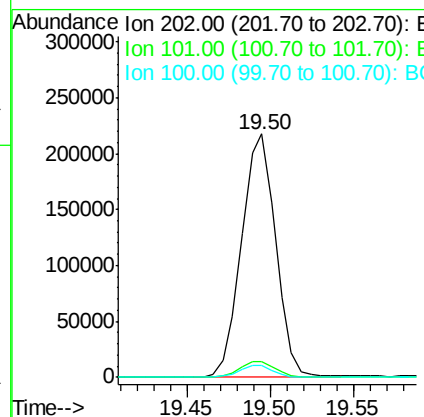
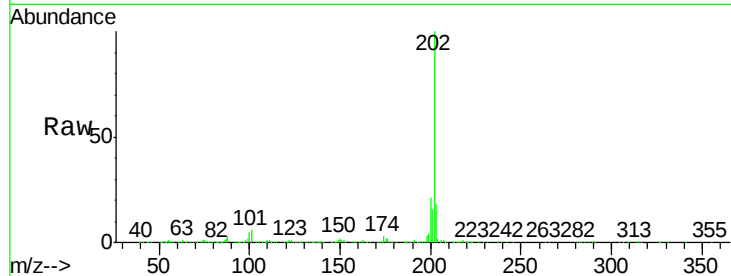
ClientSampled :

BENW1

Tot Ion	Ratio	Resp	Lower	Upper
202	100	310649		
101	6.5	6.7	10.1#	
100	4.8	5.3	7.9#	

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#79

Pyrene

Concen: 8.399 ng/ul

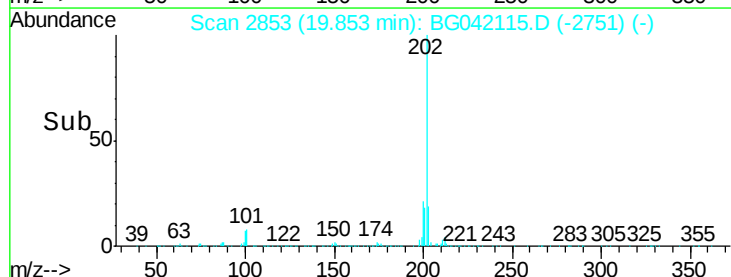
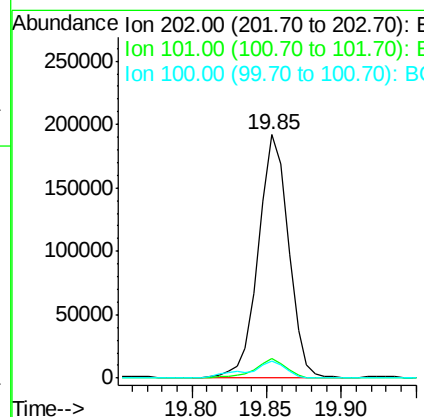
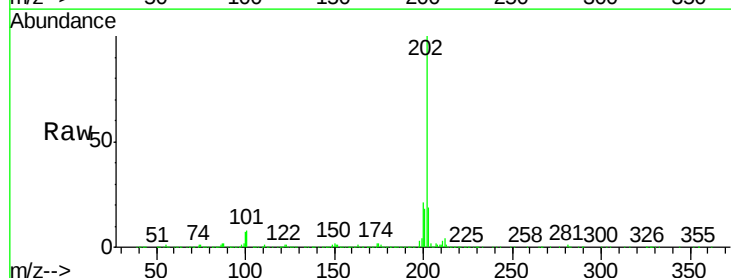
RT: 19.85 min Scan# 2853

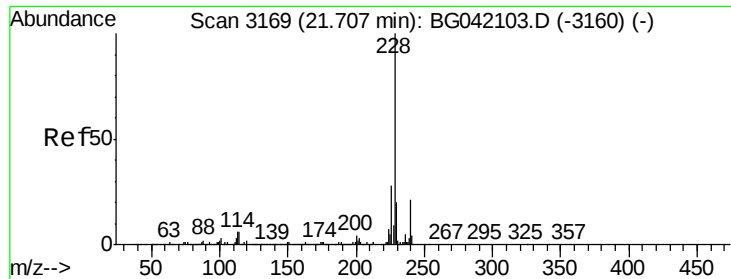
Delta R.T. -0.00 min

Lab File: BG042115.D

Acq: 9 Aug 2019 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	266792		
101	7.8	7.6	11.4	
100	6.8	6.5	9.7	





#82

Benzo(a)anthracene

Concen: 4.407 ng/ul

RT: 21.70 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BG042115.D

Acq: 9 Aug 2019 23:23

Instrument :

BNA_G

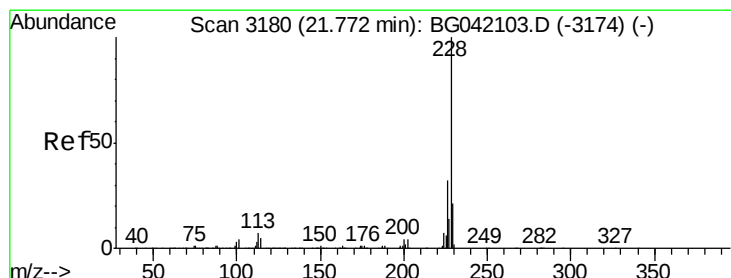
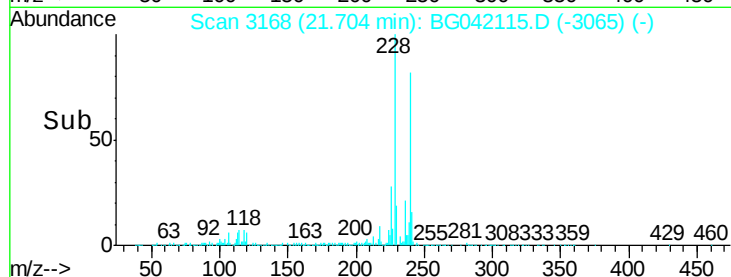
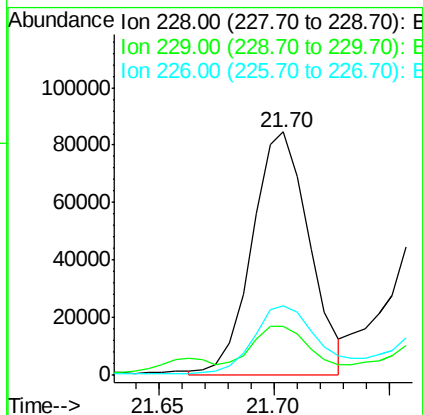
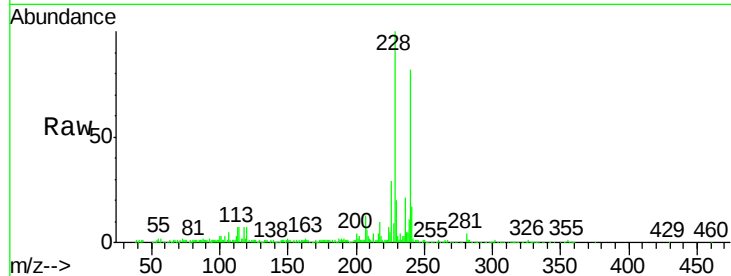
ClientSampled :

BENW1

Tot Ion:	228	Resp:	144276
Ion Ratio	Lower	Upper	
228	100		
229	20.0	17.0	25.6
226	28.8	23.3	34.9

Manual Integrations
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#84

Chrysene

Concen: 4.454 ng/ul

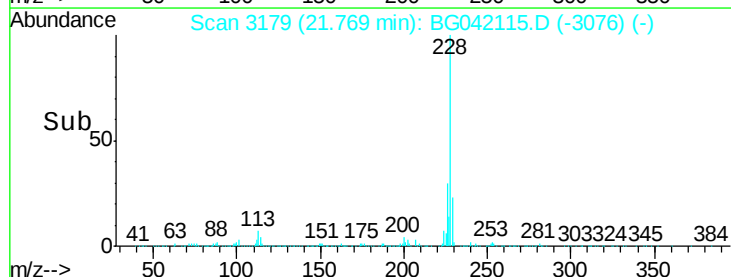
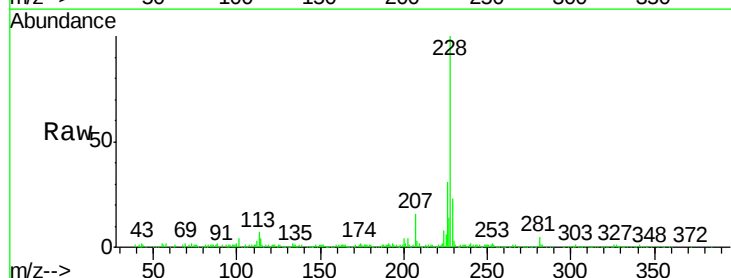
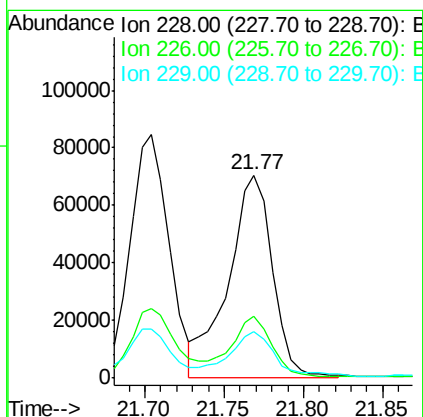
RT: 21.77 min Scan# 3179

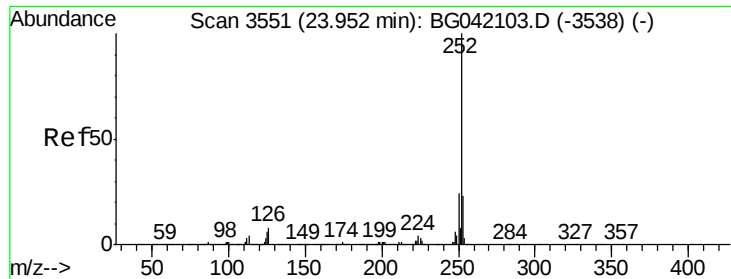
Delta R.T. 0.00 min

Lab File: BG042115.D

Acq: 9 Aug 2019 23:23

Tgt Ion:	228	Resp:	136097
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.7	38.5
229	23.2	16.6	24.8





#87

Benzo(b)fluoranthene

Concen: 5.115 ng/ul

RT: 23.95 min Scan# 3550

Delta R.T. 0.00 min

Lab File: BG042115.D

Acq: 9 Aug 2019 23:23

Instrument :

BNA_G

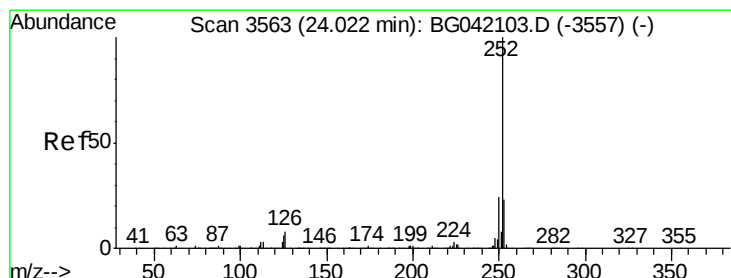
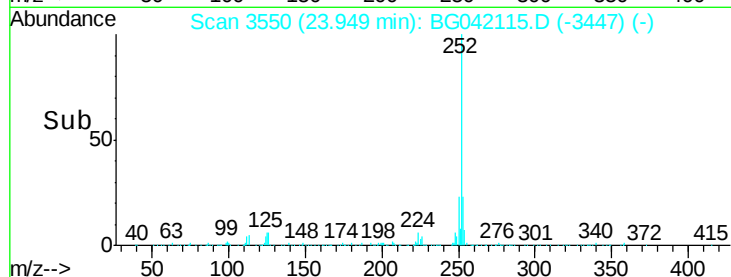
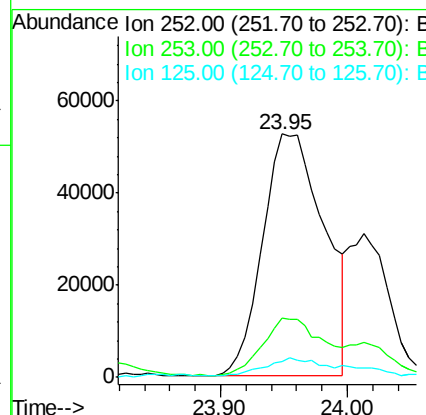
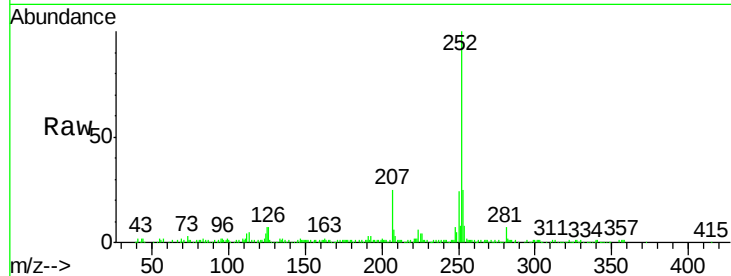
ClientSampled :

BENW1

Tot Ion:	252	Resp:	177968
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.4	27.6
125	6.7	5.8	8.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 1.929 ng/ul m

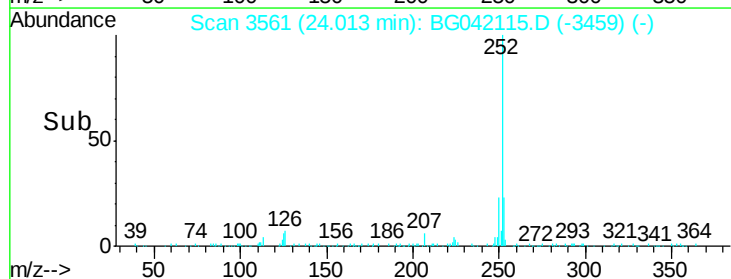
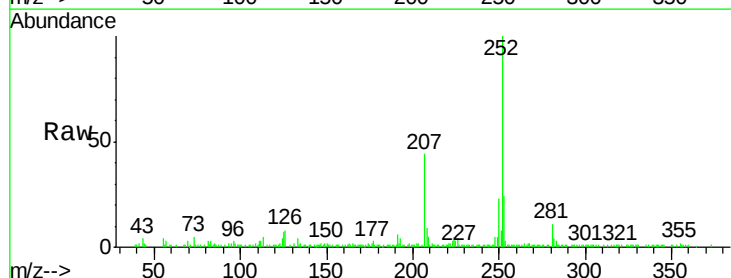
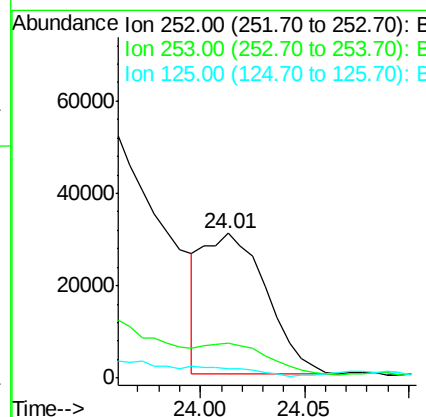
RT: 24.01 min Scan# 3561

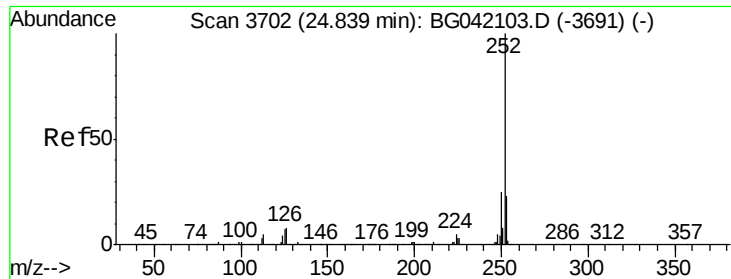
Delta R.T. -0.00 min

Lab File: BG042115.D

Acq: 9 Aug 2019 23:23

Tgt Ion:	252	Resp:	64524
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.3	27.5
125	6.8	5.5	8.3





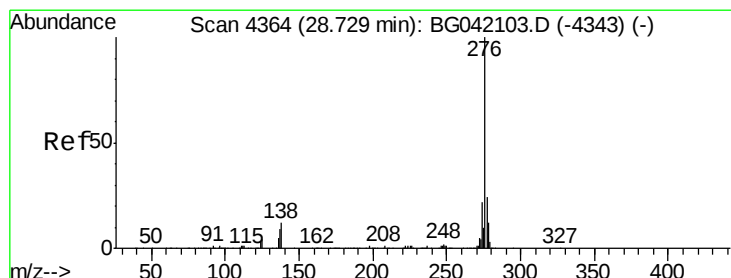
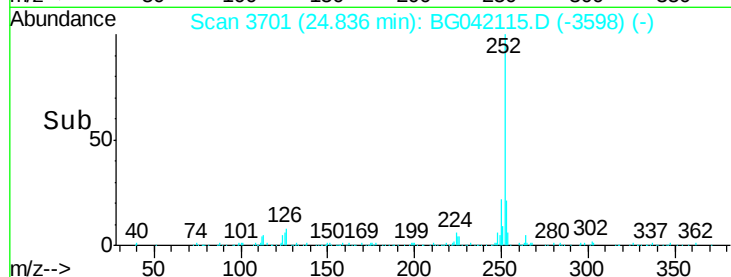
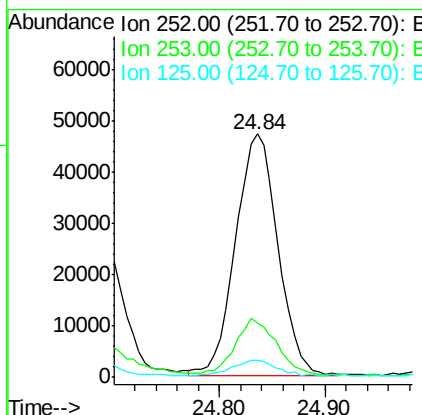
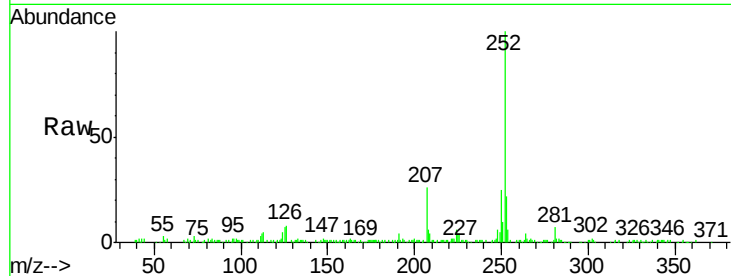
#90
Benzo(a)pyrene
Concen: 3.966 ng/ul
RT: 24.84 min Scan# 3701
Delta R.T. 0.00 min
Lab File: BG042115.D
Acq: 9 Aug 2019 23:23

Instrument :
BNA_G
ClientSampleId :
BENW1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.3	27.5
125	7.0	6.5	9.7

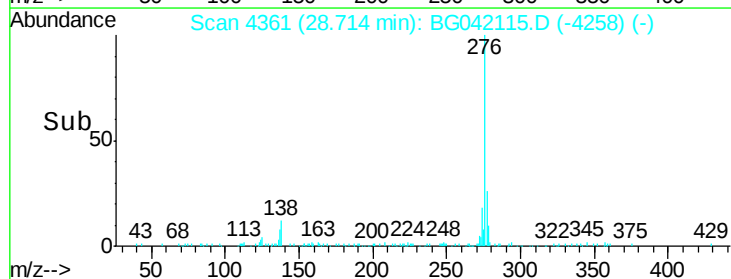
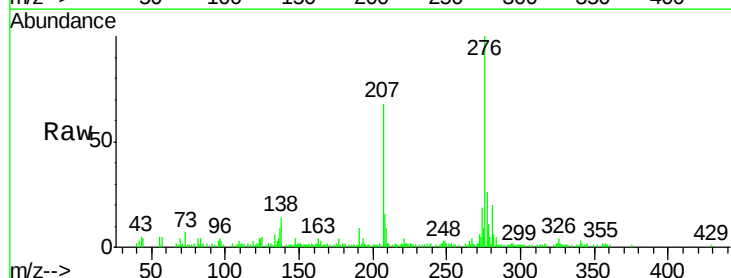
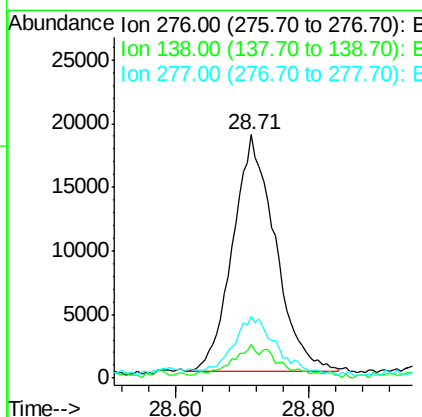
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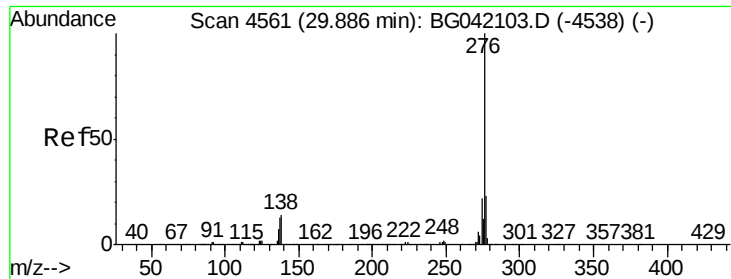
Sohil
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#91
Indeno(1,2,3-cd)pyrene
Concen: 2.130 ng/ul
RT: 28.71 min Scan# 4361
Delta R.T. 0.00 min
Lab File: BG042115.D
Acq: 9 Aug 2019 23:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.8	12.0	18.0
277	25.6	19.2	28.8





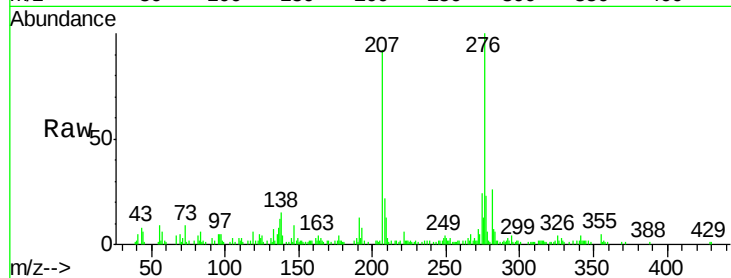
#93
 Benzo(a,h,i)perylene
 Concen: 2.192 ng/ul
 RT: 29.88 min Scan# 4560
 Delta R.T. -0.00 min
 Lab File: BG042115.D
 Acq: 9 Aug 2019 23:23

Instrument :
 BNA_G
 ClientSampleId :
 BENW1

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	12.6	18.8
277	23.1	19.2	28.8

Manual Integrations
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 8/13/2019 8:17:02 AM



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

