

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
 Data File : BG042023.D
 Acq On : 7 Aug 2019 9:51
 Operator : HP/JU
 Sample : K4028-07
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENY9

Manual Integrations
 APPROVED

mohammad
 8/7/2019 4:40:35 PM

Quant Time: Aug 07 11:28:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 07 10:54:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	74787	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	323153	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	239958	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	507849	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	490617	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	600231	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	5408	3.16	ng/uL	0.00
5) Phenol-d5	7.17	99	112763	19.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	59622	18.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	105056	20.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	97453	19.78	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	52099	21.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	64568	22.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	125852	22.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	88340	13.96	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	429727	23.09	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	494577	23.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.87	143	50054	16.02	ng/ul	0.00
57) Fluorene-d10	15.68	176	389418	23.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.79	200	63952	19.63	ng/ul	0.00
70) Anthracene-d10	17.54	188	605246	24.84	ng/ul	0.00
78) Pyrene-d10	19.82	212	670119	24.48	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	775357	24.73	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.20	94	7561	1.248 ng/ul	95
44) Dimethylphthalate	14.13	163	152619	8.259 ng/ul	98
49) Acenaphthene	14.75	153	23570	1.571 ng/ul	98
58) Fluorene	15.73	166	29840	1.655 ng/ul	97
69) Phenanthrene	17.48	178	662355	23.824 ng/ul	99
71) Anthracene	17.57	178	125554	4.453 ng/ul	97
74) Carbazole	17.84	167	69095	2.958 ng/ul	98
76) Fluoranthene	19.49	202	1510646	47.026 ng/ul	100
79) Pvrene	19.86	202	1411750	42.778 ng/ul	99
82) Benzo(a)anthracene	21.70	228	880789	25.893 ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.62	149	202018	11.398 ng/ul	99
84) Chrysene	21.77	228	920184	28.983 ng/ul	97
87) Benzo(b)fluoranthene	23.96	252	1257213	33.377 ng/ul	98
88) Benzo(k)fluoranthene	24.02	252	483000m	13.336 ng/ul	
90) Benzo(a)pyrene	24.84	252	911570	25.396 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	28.72	276	677102	16.173 ng/ul	98
92) Dibenzo(a,h)anthracene	28.77	278	172189	5.042 ng/ul	94
93) Benzo(g,h,i)perylene	29.89	276	638260	18.260 ng/ul	98

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

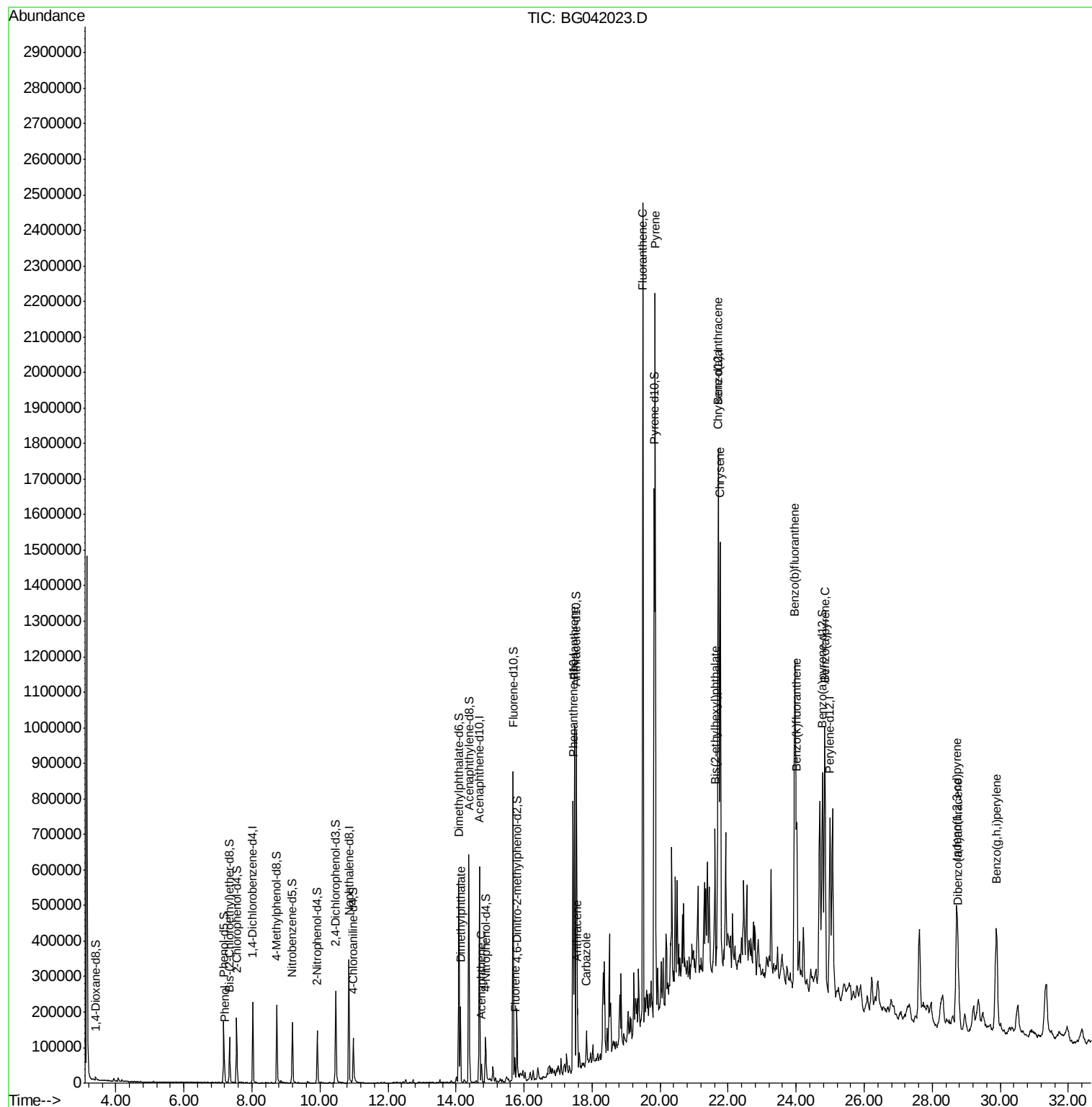
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042023.D
Acq On : 7 Aug 2019 9:51
Operator : HP/JU
Sample : K4028-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

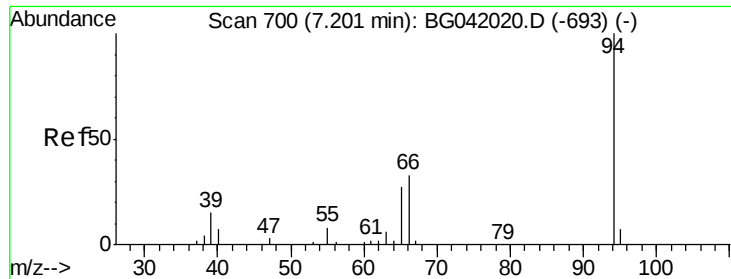
Instrument :
BNA_G
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Quant Title : SVOA CALIBRATION
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#6

Phenol

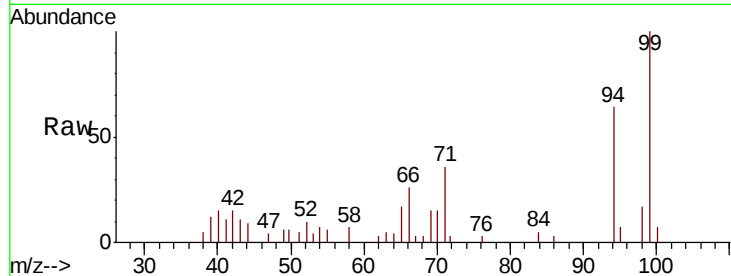
Concen: 1.248 ng/ul
 RT: 7.20 min Scan# 700
 Delta R.T. 0.00 min
 Lab File: BG042023.D
 Acq: 7 Aug 2019 9:51

Instrument :
 BNA_G
 ClientSampleId :
 BENY9

Tot Ion	Ratio	Lower	Upper
94	100		
65	27.0	25.8	38.6
66	40.7	31.8	47.8

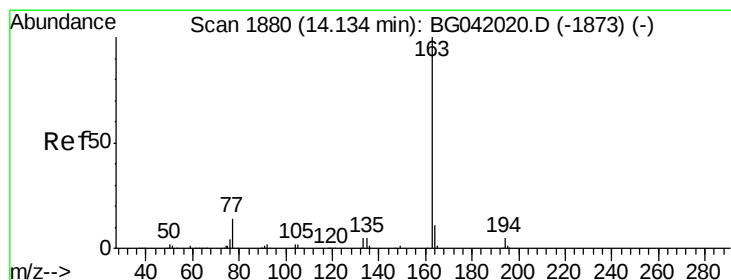
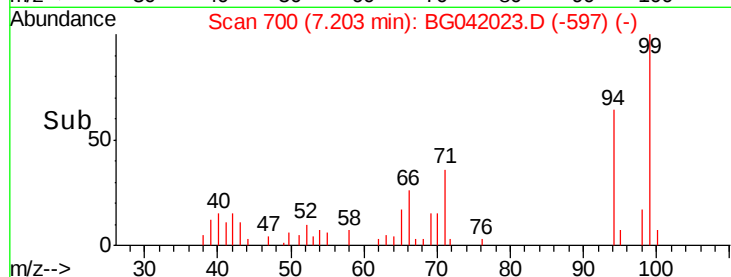
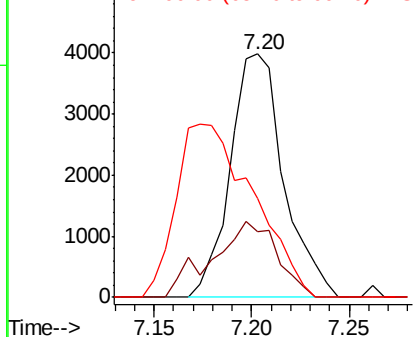
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Abundance

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

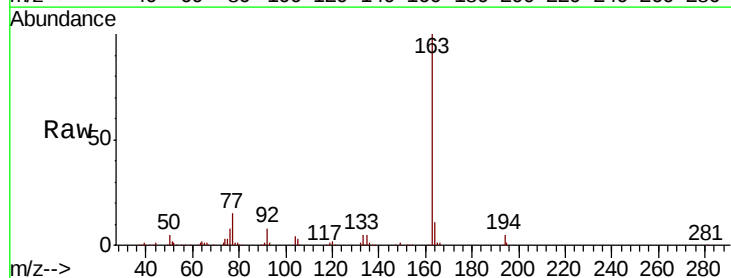


#44

Dimethylphthalate

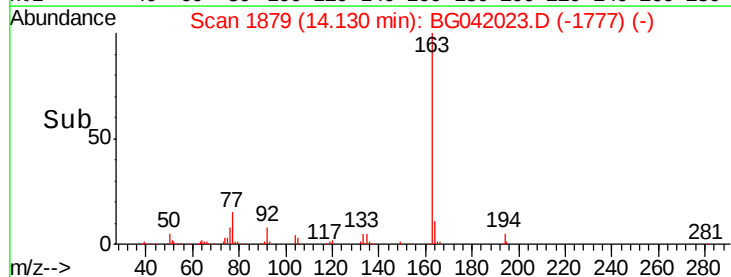
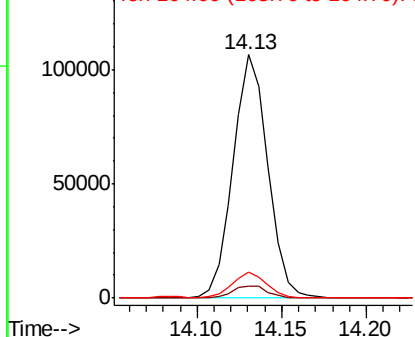
Concen: 8.259 ng/ul
 RT: 14.13 min Scan# 1879
 Delta R.T. -0.00 min
 Lab File: BG042023.D
 Acq: 7 Aug 2019 9:51

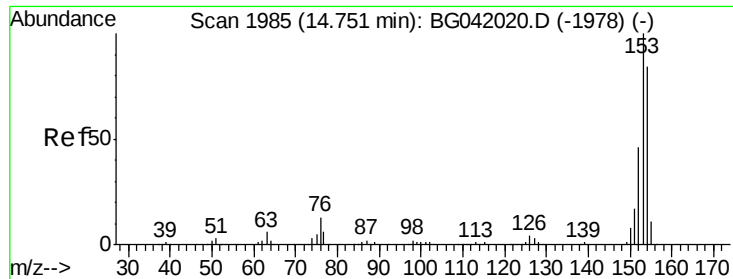
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	4.2	6.2
164	10.5	7.8	11.8



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





#49

Acenaphthene

Concen: 1.571 ng/ul

RT: 14.75 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

Instrument :

BNA_G

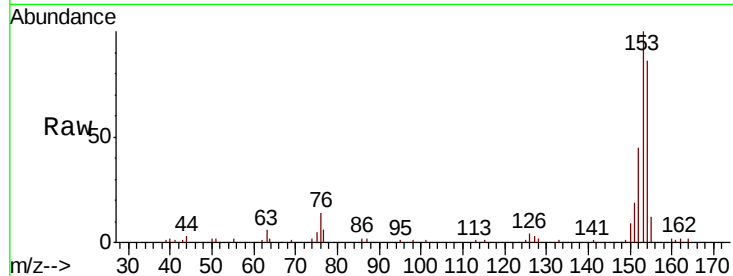
ClientSampleId :

BENY9

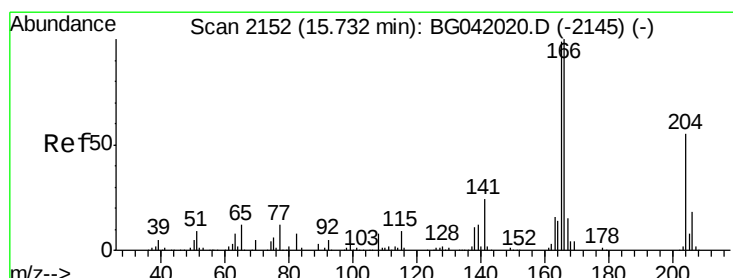
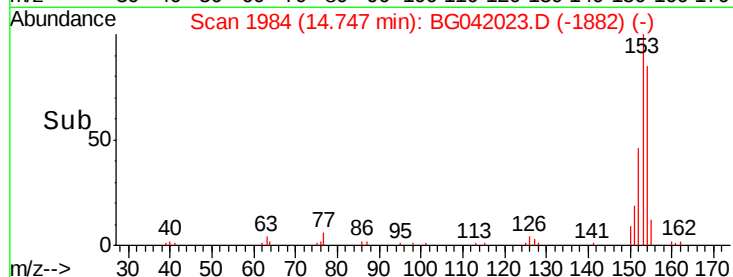
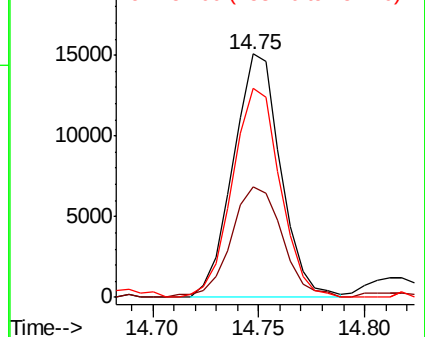
Tot Ion:	153	Resp:	23570
Ion Ratio	Lower	Upper	
153	100		
152	45.4	37.8	56.8
154	85.9	69.4	104.2

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#58

Fluorene

Concen: 1.655 ng/ul

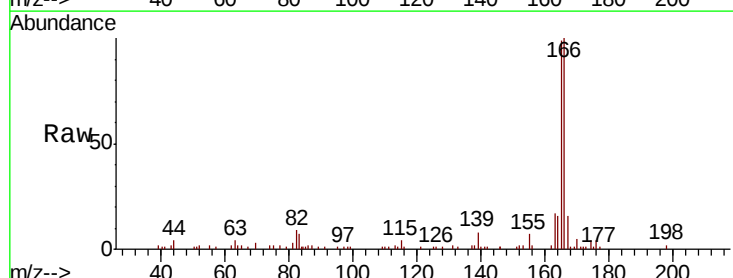
RT: 15.73 min Scan# 2152

Delta R.T. -0.00 min

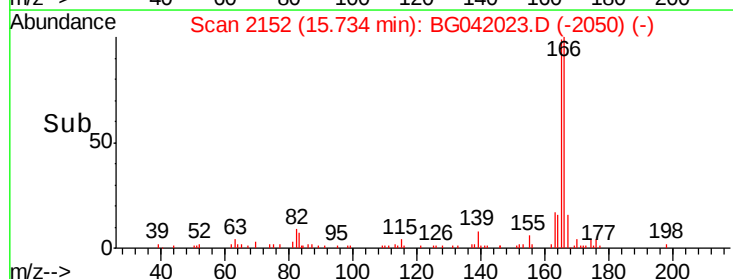
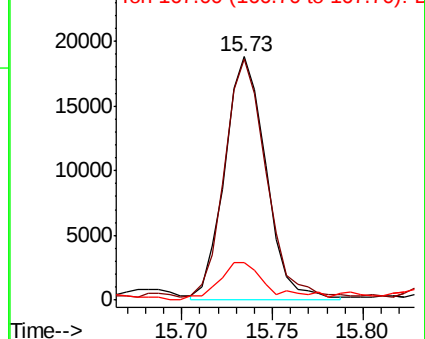
Lab File: BG042023.D

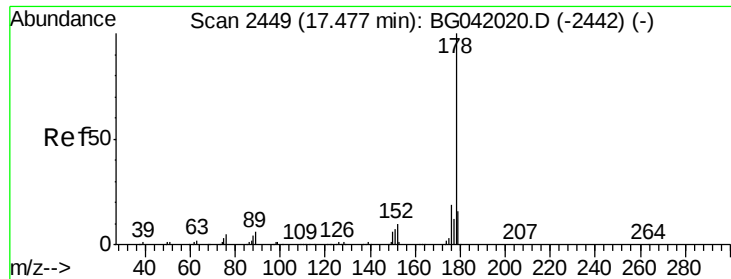
Acq: 7 Aug 2019 9:51

Tgt Ion:	166	Resp:	29840
Ion Ratio	Lower	Upper	
166	100		
165	98.9	81.1	121.7
167	15.5	11.0	16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





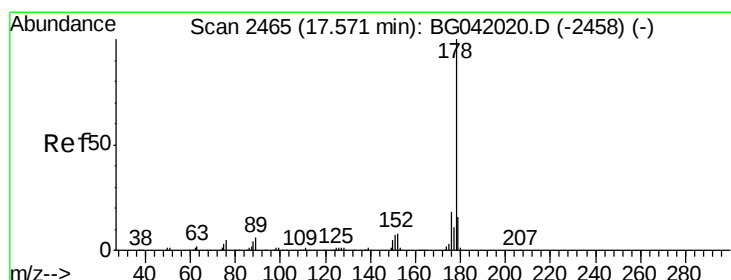
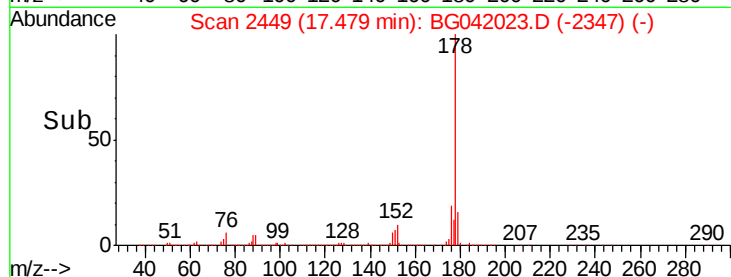
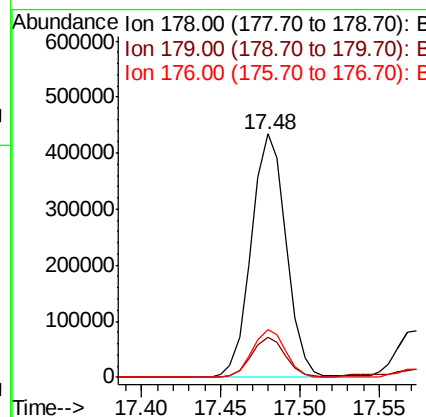
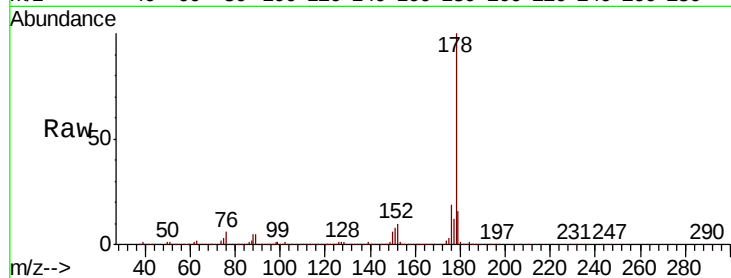
#69
Phenanthrene
Concen: 23.824 ng/ul
RT: 17.48 min Scan# 2449
Delta R.T. -0.00 min
Lab File: BG042023.D
Acq: 7 Aug 2019 9:51

Instrument :
BNA_G
ClientSampleId :
BENY9

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.8	19.2
176	19.5	15.4	23.2

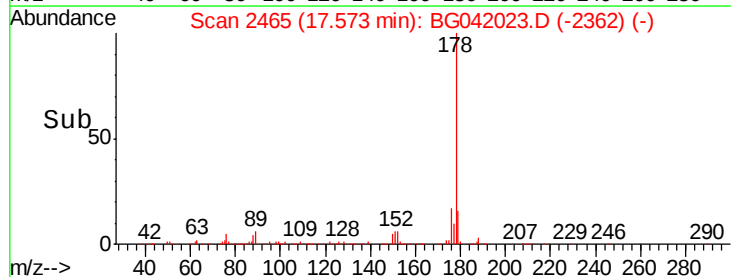
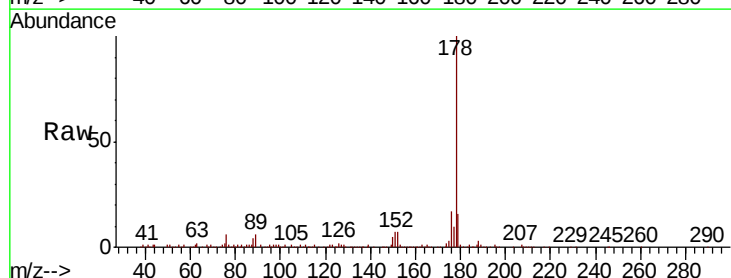
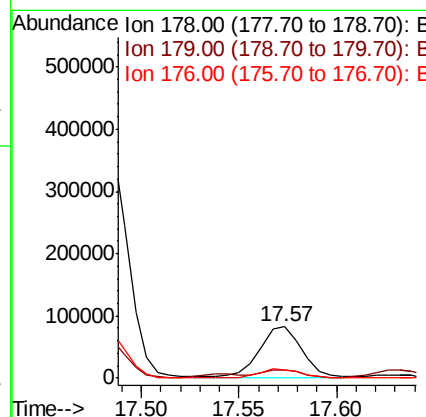
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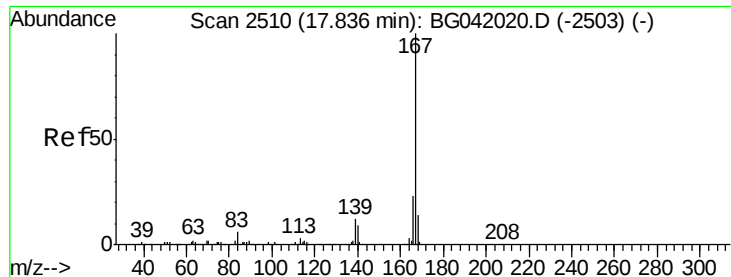
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#71
Anthracene
Concen: 4.453 ng/ul
RT: 17.57 min Scan# 2465
Delta R.T. 0.00 min
Lab File: BG042023.D
Acq: 7 Aug 2019 9:51

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	13.4	20.0
176	16.8	15.4	23.2





#74

Carbazole

Concen: 2.958 ng/ul

RT: 17.84 min Scan# 2510

Delta R.T. -0.00 min

Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

Instrument :

BNA_G

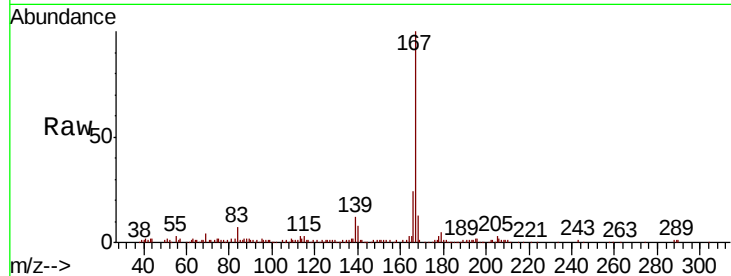
ClientSampleId :

BENY9

Tot Ion:	167	Resp:	69095
Ion Ratio	Lower	Upper	
167	100		
166	23.8	18.2	27.4
139	11.5	9.6	14.4

Manual Integrations
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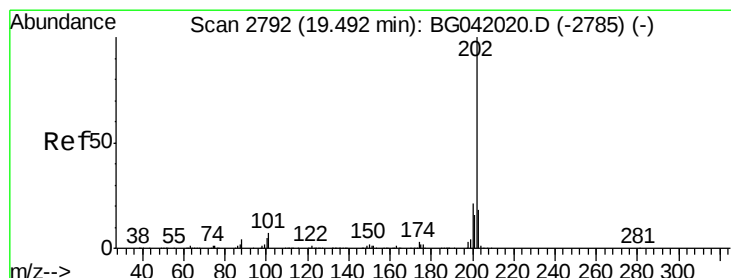
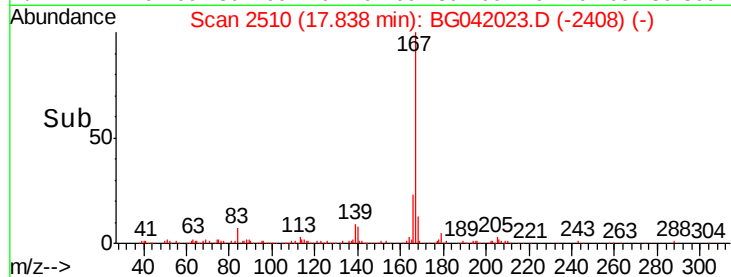
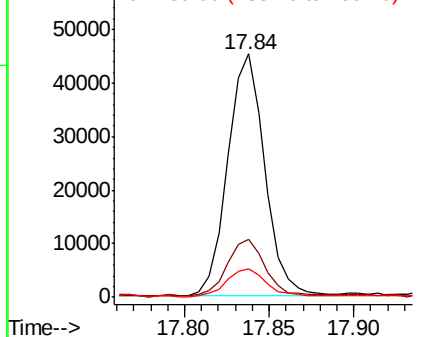


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 47.026 ng/ul

RT: 19.49 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

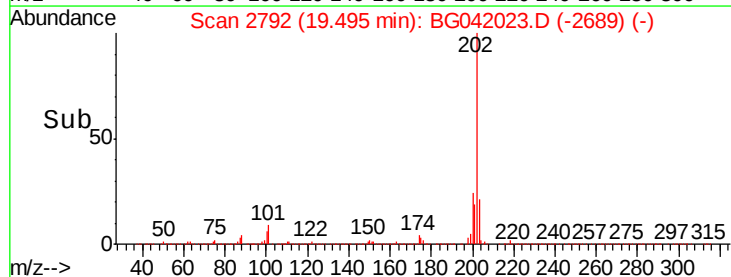
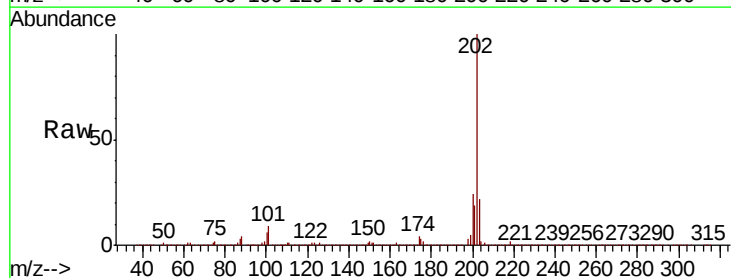
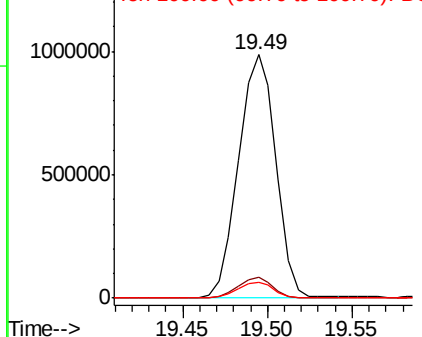
Tgt Ion:	202	Resp:	1510646
Ion Ratio	Lower	Upper	
202	100		
101	8.5	6.7	10.1
100	6.5	5.3	7.9

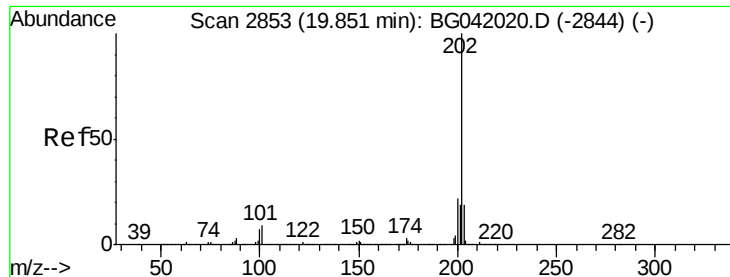
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





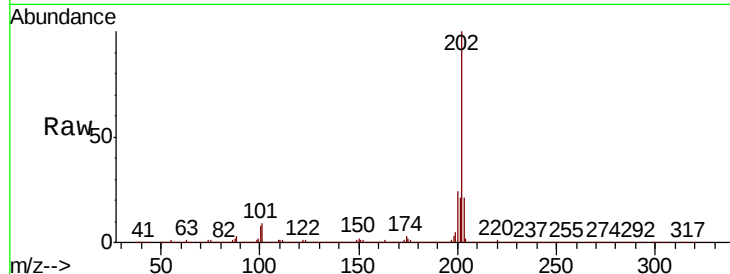
#79
Pvrene
Concen: 42.778 ng/ul
RT: 19.86 min Scan# 2854
Delta R.T. 0.00 min
Lab File: BG042023.D
Acq: 7 Aug 2019 9:51

Instrument :
BNA_G
ClientSampleId :
BENY9

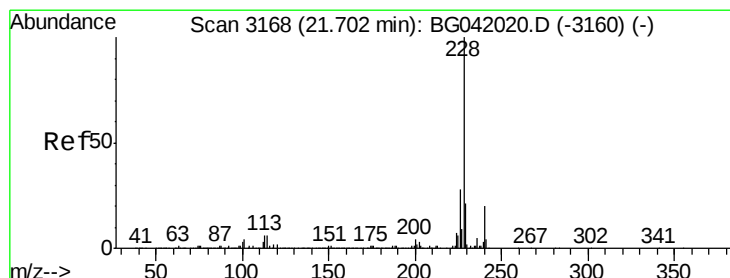
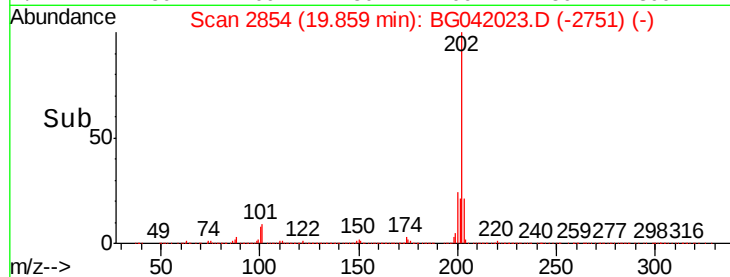
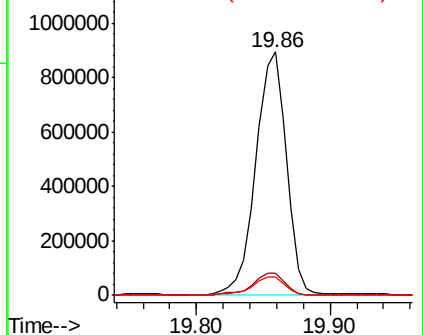
Tot Ion:	202	Resp:	1411750
Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.6	11.4
100	7.5	6.5	9.7

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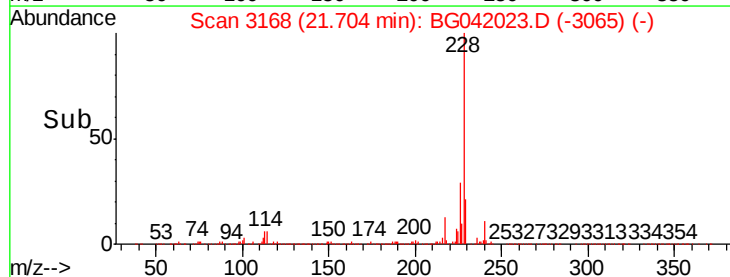
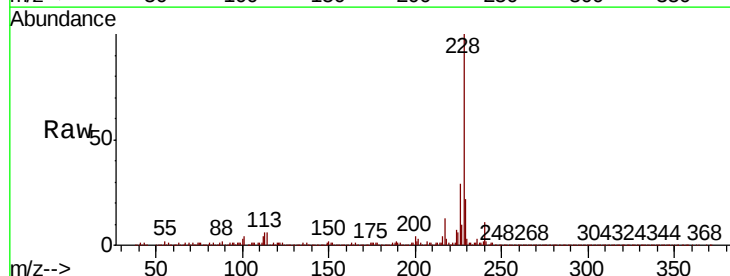
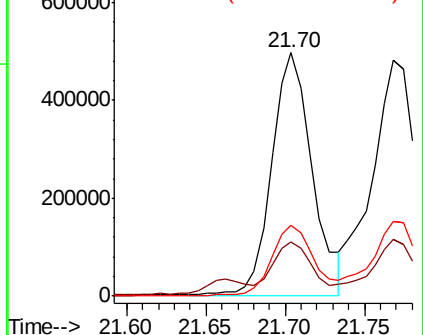
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

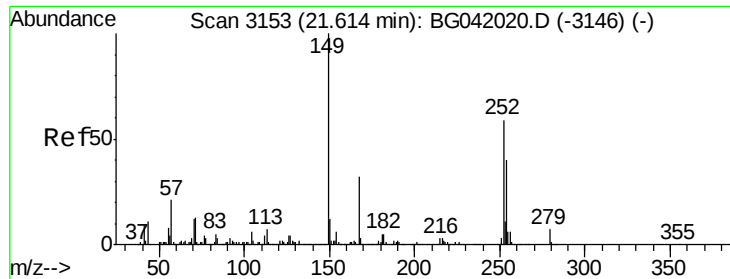


#82
Benzo(a)anthracene
Concen: 25.893 ng/ul
RT: 21.70 min Scan# 3168
Delta R.T. 0.00 min
Lab File: BG042023.D
Acq: 7 Aug 2019 9:51

Tgt Ion:	228	Resp:	880789
Ion	Ratio	Lower	Upper
228	100		
229	22.3	17.0	25.6
226	29.3	23.3	34.9

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 11.398 ng/ul

RT: 21.62 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

Instrument :

BNA_G

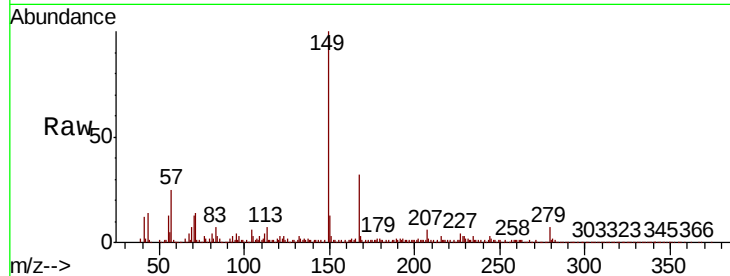
ClientSampleId :

BENY9

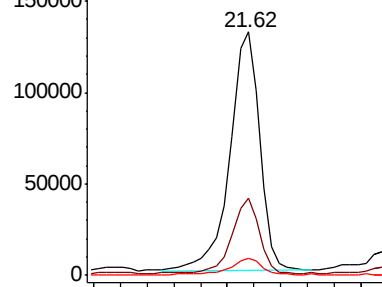
Tot Ion:	149	Resp:	202018
Ion Ratio	Lower	Upper	
149	100		
167	31.7	25.0	37.4
279	7.2	5.2	7.8

Manual Integrations
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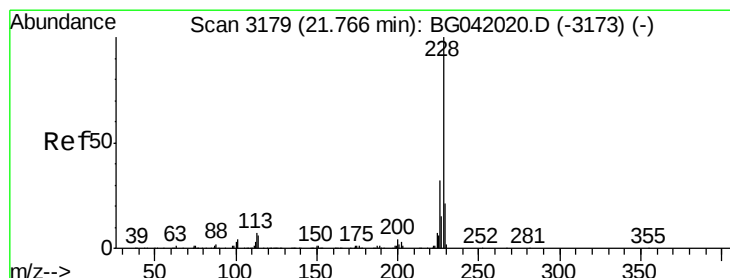
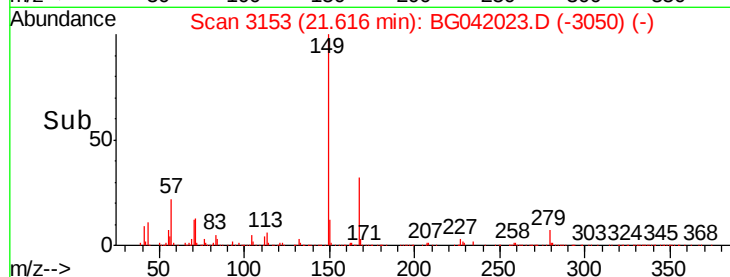
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



Time--> 21.50 21.60



#84

Chrysene

Concen: 28.983 ng/ul

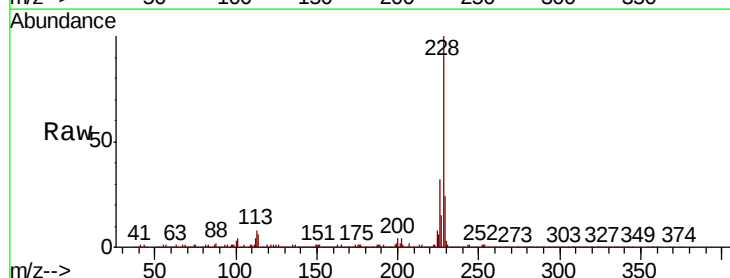
RT: 21.77 min Scan# 3179

Delta R.T. 0.00 min

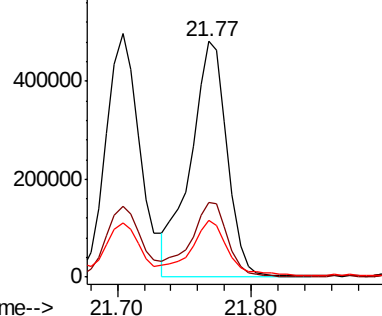
Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

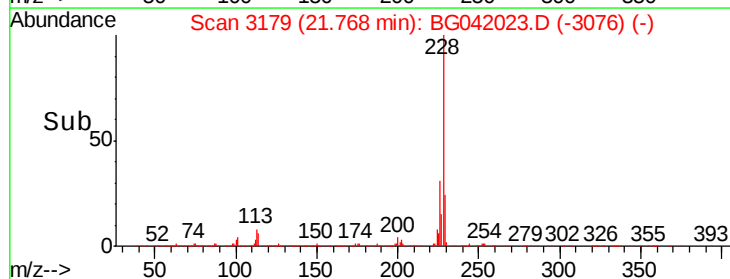
Tgt Ion:	228	Resp:	920184
Ion Ratio	Lower	Upper	
228	100		
226	31.7	25.7	38.5
229	24.1	16.6	24.8

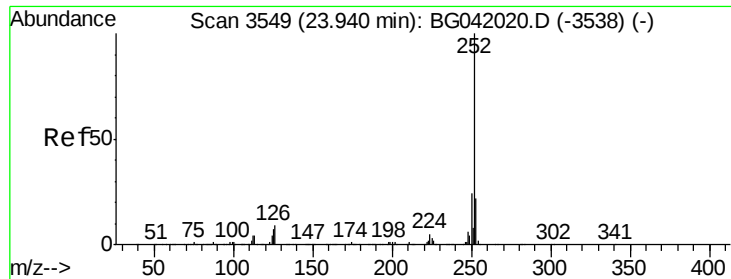


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 21.70 21.80





#87

Benzo(b)fluoranthene

Concen: 33.377 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

Instrument :

BNA_G

ClientSampleId :

BENY9

Tot Ion:252 Resp: 1257213

Ion Ratio Lower Upper

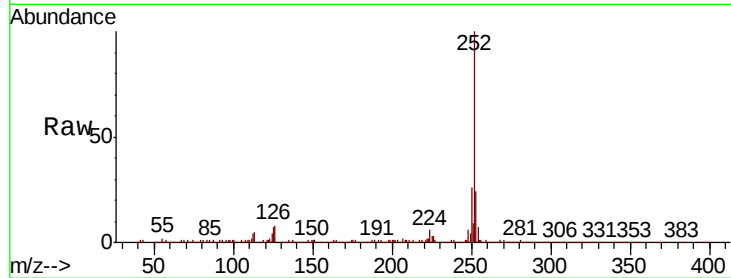
252 100

253 24.3 18.4 27.6

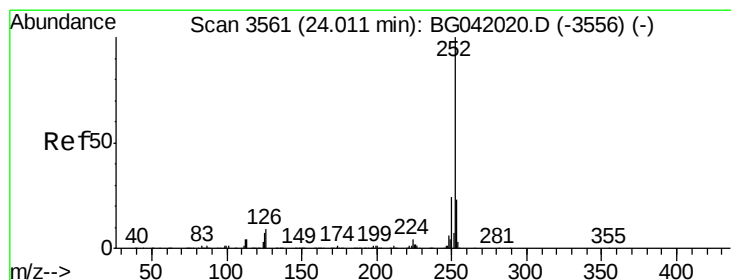
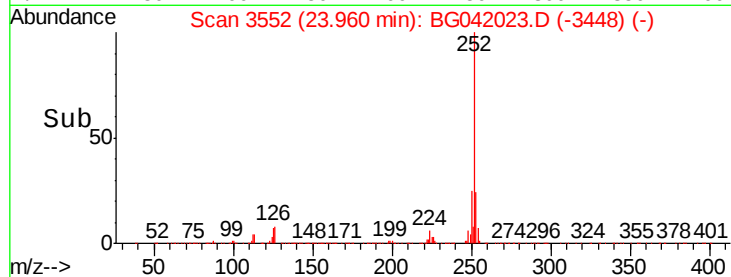
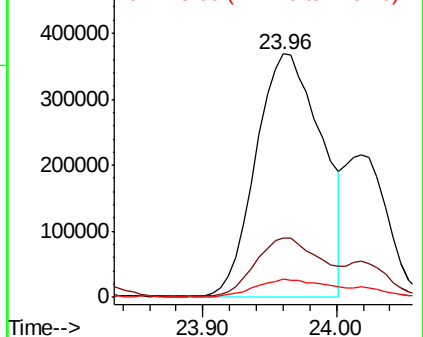
125 7.4 5.8 8.8

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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



#88

Benzo(k)fluoranthene

Concen: 13.336 ng/ul m

RT: 24.02 min Scan# 3562

Delta R.T. 0.00 min

Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

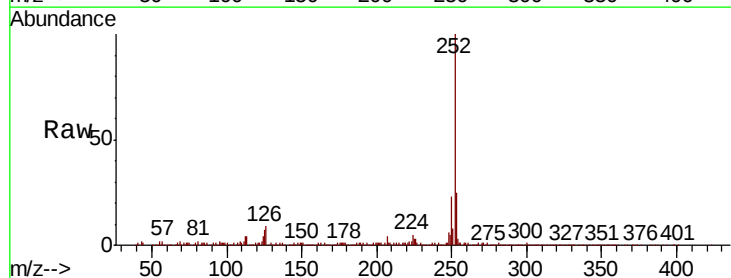
Tgt Ion:252 Resp: 483000

Ion Ratio Lower Upper

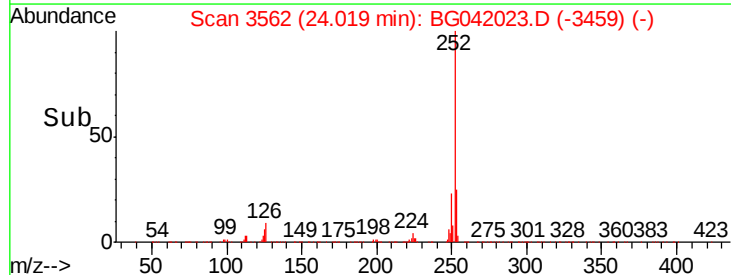
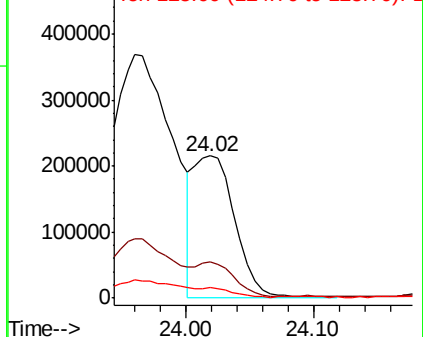
252 100

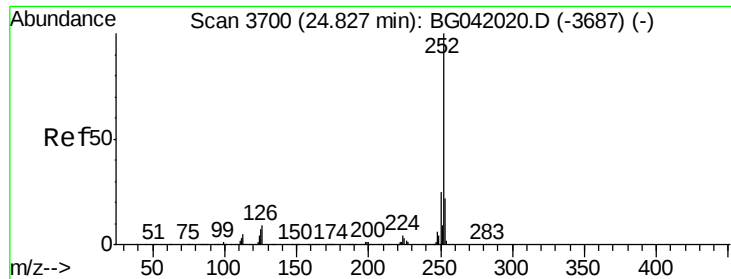
253 25.3 18.3 27.5

125 7.1 5.5 8.3



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





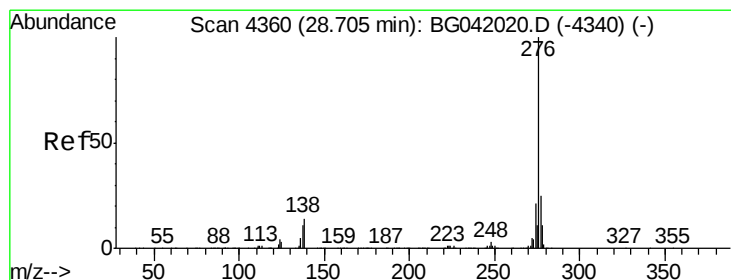
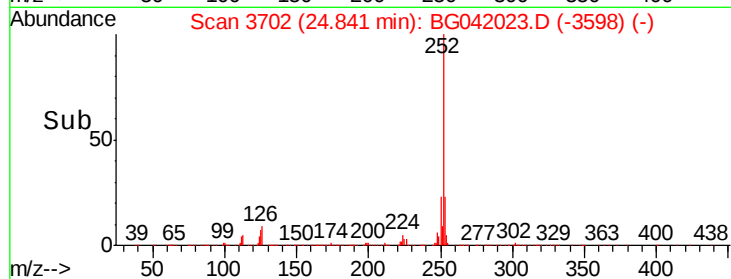
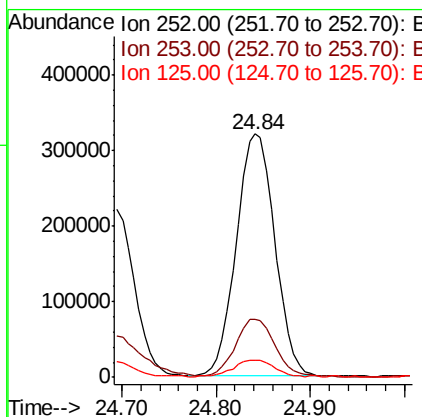
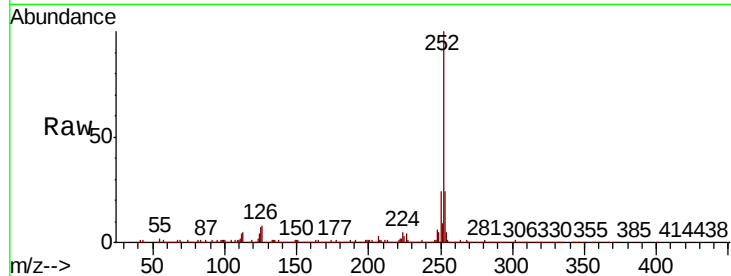
#90
Benzo(a)pyrene
Concen: 25.396 ng/ul
RT: 24.84 min Scan# 3702
Delta R.T. 0.01 min
Lab File: BG042023.D
Acq: 7 Aug 2019 9:51

Instrument :
BNA_G
ClientSampleId :
BENY9

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.3	27.5
125	7.2	6.5	9.7

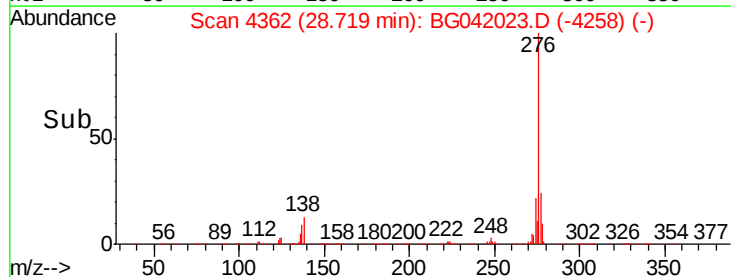
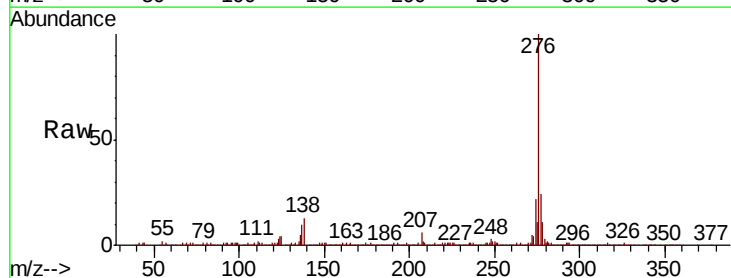
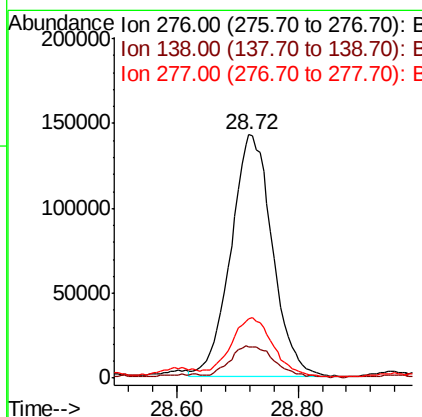
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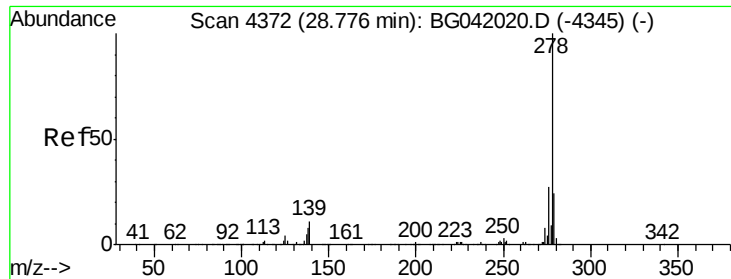
mohammad
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#91
Indeno(1,2,3-cd)pyrene
Concen: 16.173 ng/ul
RT: 28.72 min Scan# 4362
Delta R.T. 0.01 min
Lab File: BG042023.D
Acq: 7 Aug 2019 9:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.9	12.0	18.0
277	24.4	19.2	28.8





#92

Dibenzo(a,h)anthracene

Concen: 5.042 ng/ul

RT: 28.77 min Scan# 4370

Delta R.T. -0.01 min

Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

Instrument :

BNA_G

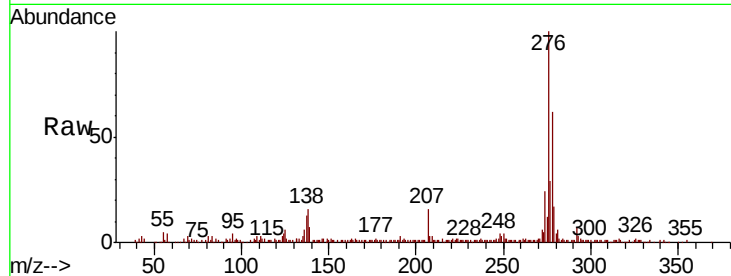
ClientSampleId :

BENY9

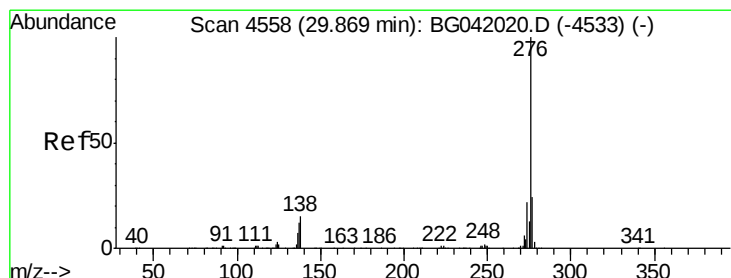
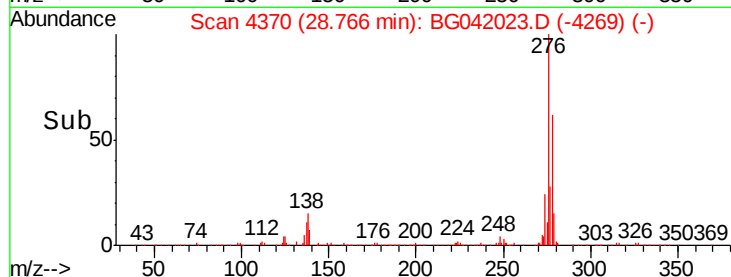
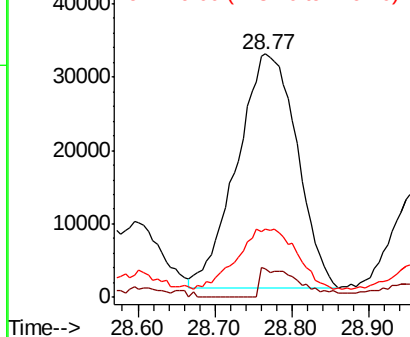
Tot Ion:	278	Resp:	172189
Ion Ratio	Lower	Upper	
278	100		
139	11.8	9.4	14.0
279	28.0	19.2	28.8

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 18.260 ng/ul

RT: 29.89 min Scan# 4562

Delta R.T. 0.02 min

Lab File: BG042023.D

Acq: 7 Aug 2019 9:51

Tgt Ion:	276	Resp:	638260
Ion Ratio	Lower	Upper	
276	100		
138	14.1	12.6	18.8
277	24.5	19.2	28.8

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

