

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
 Data File : BG049378.D
 Acq On : 16 Jul 2021 14:43
 Operator : CG/JU
 Sample : M2970-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGEC6

Manual Integrations
 APPROVED

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7/19/2021 11:53:20 AM

Quant Time: Jul 16 15:20:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 16 15:19:54 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.064	152	27735	20.000	ng/ul	0.00
20) Naphthalene-d8	10.884	136	116388	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.709	164	83531	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.465	188	184268	20.000	ng/ul	0.00
79) Chrysene-d12	21.748	240	186216	20.000	ng/ul	# 0.00
88) Perylene-d12	25.038	264	195484	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.458	96	1473m	2.498	ng/uL	0.01
4) Pyridine-d5	3.881	84	11379	6.563	ng/ul	0.00
7) Phenol-d5	7.218	99	49827	20.653	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.382	67	30511	21.805	ng/ul	0.00
11) 2-Chlorophenol-d4	7.594	132	37898	21.254	ng/ul	0.00
15) 4-Methylphenol-d8	8.769	113	42843	22.164	ng/ul	0.00
21) Nitrobenzene-d5	9.233	128	20274	22.700	ng/ul	0.00
24) 2-Nitrophenol-d4	9.962	143	22792	22.231	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.502	165	43517	21.753	ng/ul	0.00
31) 4-Chloroaniline-d4	11.019	131	50900	19.524	ng/ul	0.00
46) Dimethylphthalate-d6	14.110	166	154716	24.084	ng/ul	0.00
49) Acenaphthylene-d8	14.404	160	168978	22.419	ng/ul	0.00
54) 4-Nitrophenol-d4	14.909	143	18677	17.565	ng/ul	0.00
60) Fluorene-d10	15.702	176	129435	23.798	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.820	200	16171	13.807	ng/ul	0.00
73) Anthracene-d10	17.565	188	204364	24.359	ng/ul	0.00
81) Pyrene-d10	19.850	212	191416	20.056	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.809	264	160610	15.805	ng/ul	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.931	128	12246	2.110	ng/ul#	91
50) Acenaphthylene	14.433	152	16662	2.486	ng/ul#	95
52) Acenaphthene	14.774	153	16588	3.407	ng/ul	92
56) Dibenzofuran	15.115	168	11609	1.683	ng/ul#	86
61) Fluorene	15.761	166	24094	4.126	ng/ul	99
72) Phenanthrene	17.506	178	305201	33.958	ng/ul	98
74) Anthracene	17.594	178	77179	8.406	ng/ul	99
80) Fluoranthene	19.515	202	482216	43.442	ng/ul	99
82) Pyrene	19.880	202	261452	23.639	ng/ul	99
85) Benzo(a)anthracene	21.724	228	233289	20.386	ng/ul	98
87) Chrysene	21.795	228	162840m	15.043	ng/ul	
90) Benzo(b)fluoranthene	23.992	252	193943	16.082	ng/ul	97
91) Benzo(k)fluoranthene	24.045	252	91724m	7.801	ng/ul	
93) Benzo(a)pyrene	24.880	252	67730	6.382	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	28.787	276	55558	4.057	ng/ul#	98
95) Dibenzo(a,h)anthracene	28.840	278	29246m	2.579	ng/ul	

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

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ALS Vial : 8 Sample Multiplier: 1

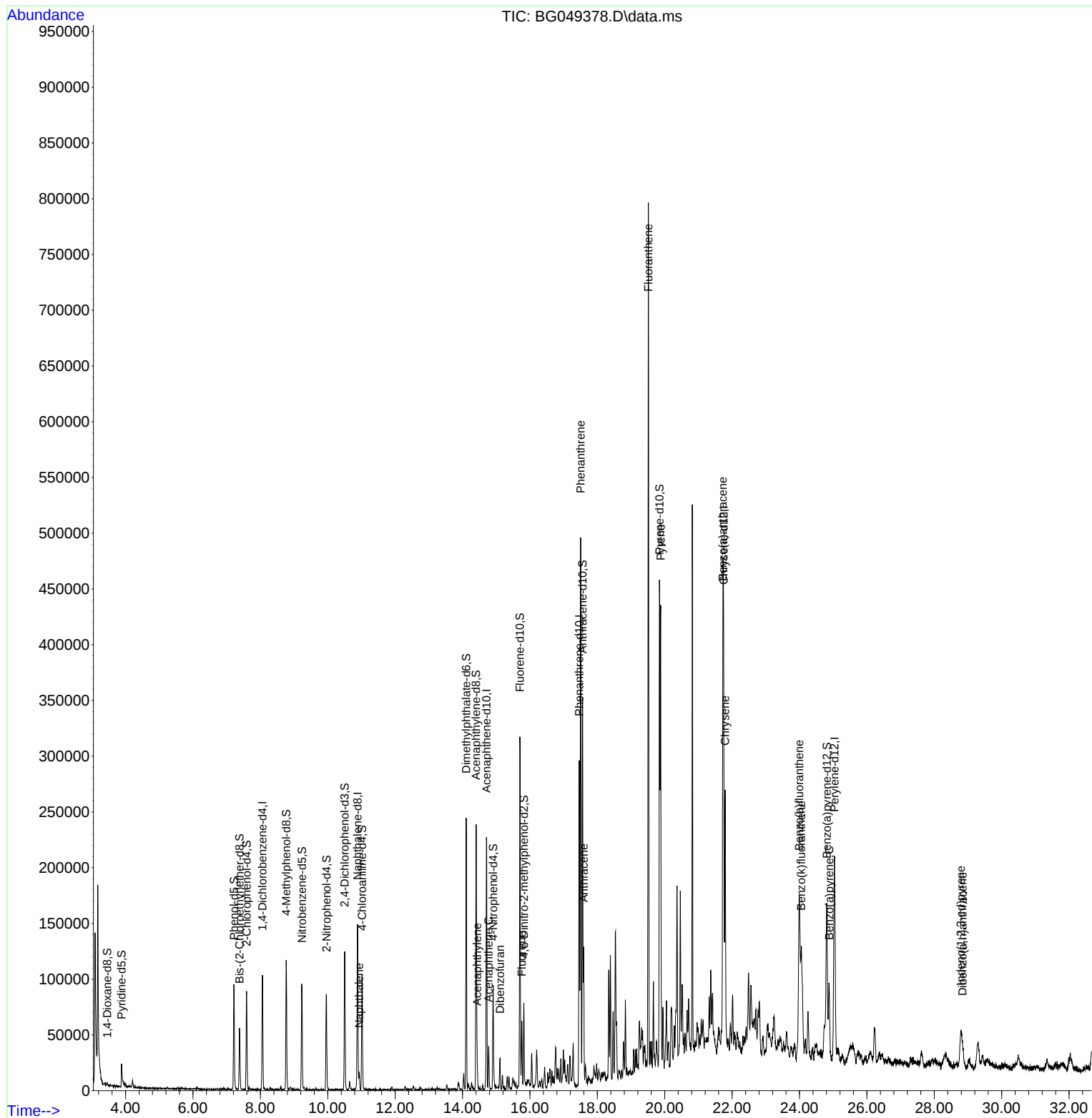
Instrument :
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ClientSampleId :
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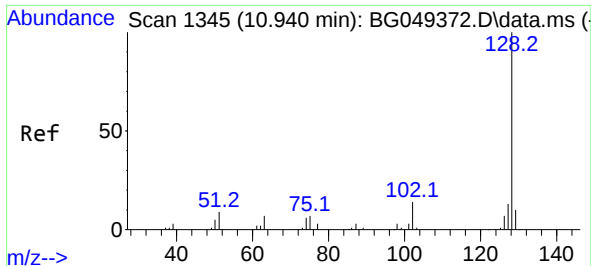
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QLast Update : Fri Jul 16 15:19:54 2021
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#30
Naphthalene
Concen: 2.110 ng/ul
RT: 10.931 min Scan# 1343
Delta R.T. -0.009 min
Lab File: BG049378.D
Acq: 16 Jul 2021 14:43

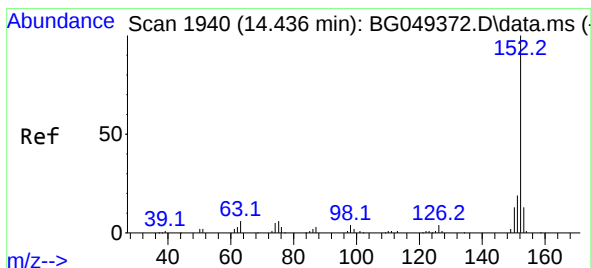
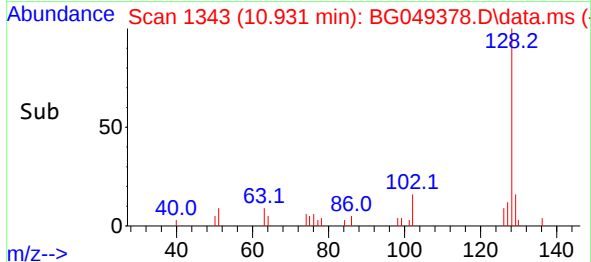
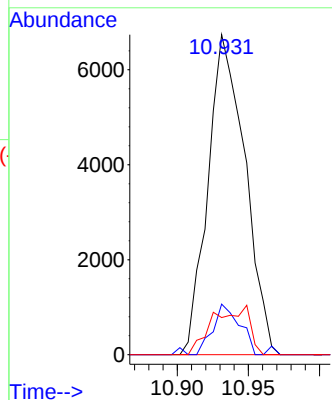
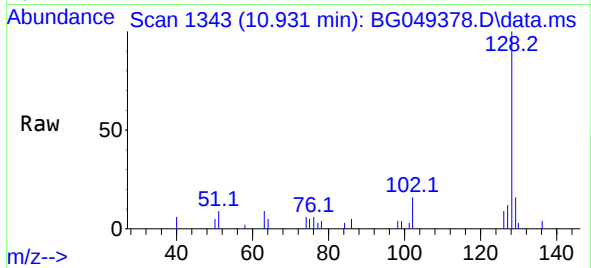
Tgt Ion:	128	Resp:	12246
Ion Ratio	Lower	Upper	
128	100		
129	15.8	7.8	11.8#
127	11.6	10.6	16.0

Instrument :
BNA_G
ClientSampleId :
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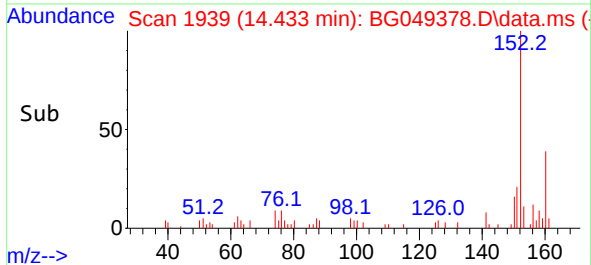
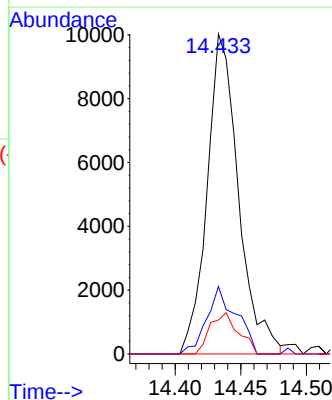
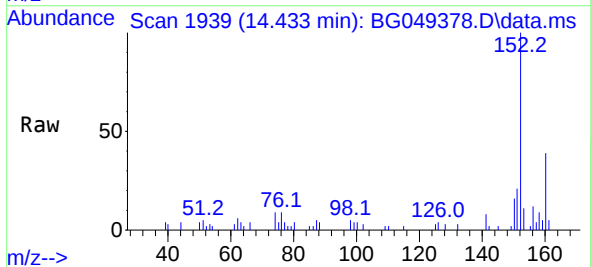
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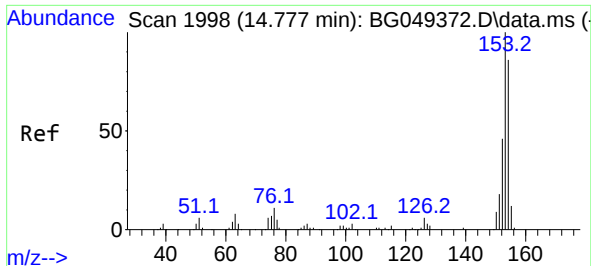
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#50
Acenaphthylene
Concen: 2.486 ng/ul
RT: 14.433 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BG049378.D
Acq: 16 Jul 2021 14:43

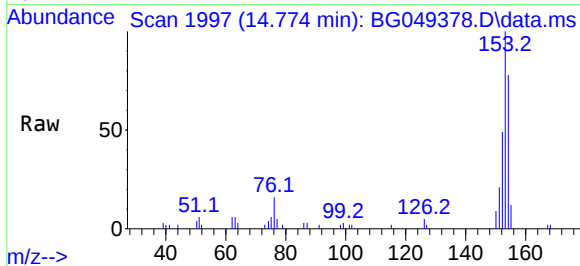
Tgt Ion:	152	Resp:	16662
Ion Ratio	Lower	Upper	
152	100		
151	21.1	15.4	23.0
153	10.6	10.6	16.0#





#52
Acenaphthene
Concen: 3.407 ng/ul
RT: 14.774 min Scan# 1997
Delta R.T. -0.003 min
Lab File: BG049378.D
Acq: 16 Jul 2021 14:43

Instrument :
BNA_G
ClientSampleId :
BGEC6

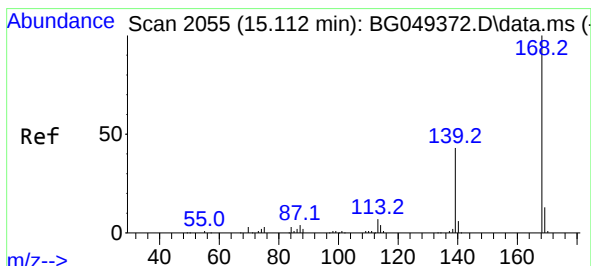
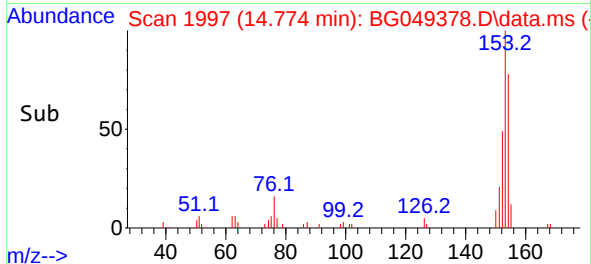
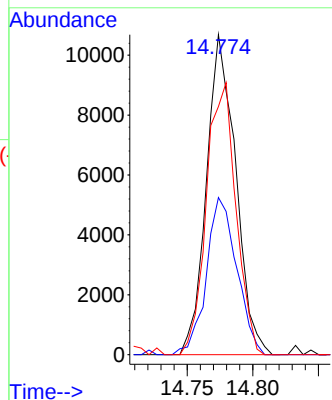


Tgt Ion:153 Resp: 16588
Ion Ratio Lower Upper
153 100
152 49.1 36.7 55.1
154 77.6 69.4 104.2

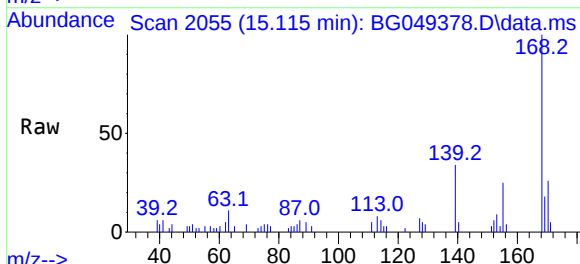
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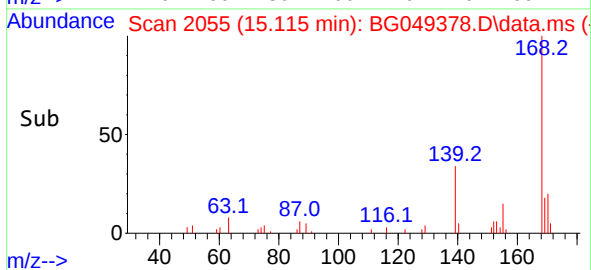
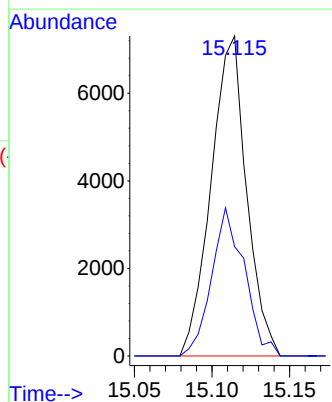
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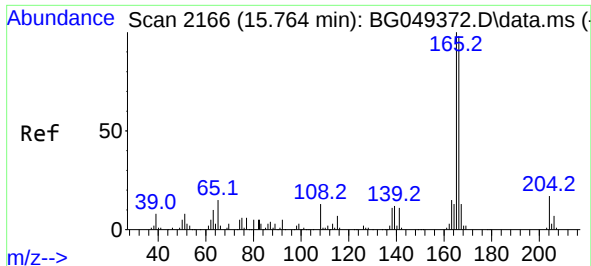


#56
Dibenzofuran
Concen: 1.683 ng/ul
RT: 15.115 min Scan# 2055
Delta R.T. 0.003 min
Lab File: BG049378.D
Acq: 16 Jul 2021 14:43

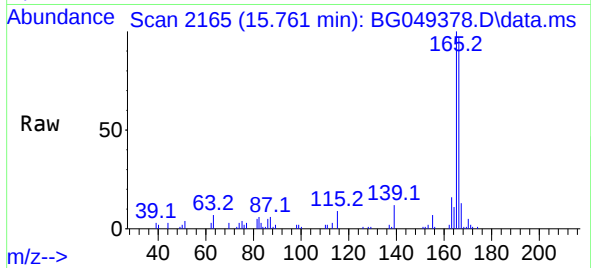


Tgt Ion:168 Resp: 11609
Ion Ratio Lower Upper
168 100
139 34.2 34.6 51.8#

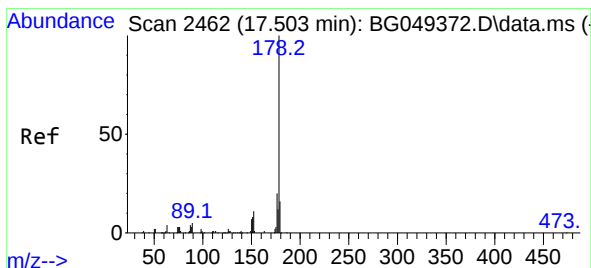
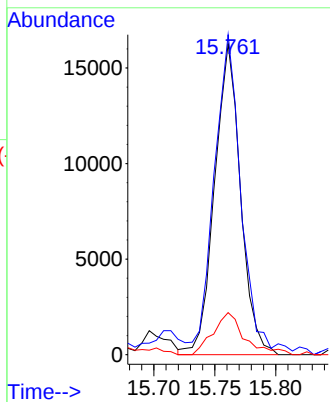
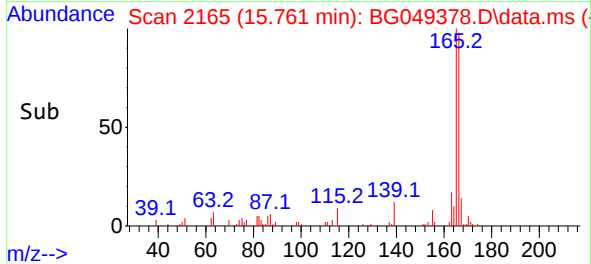




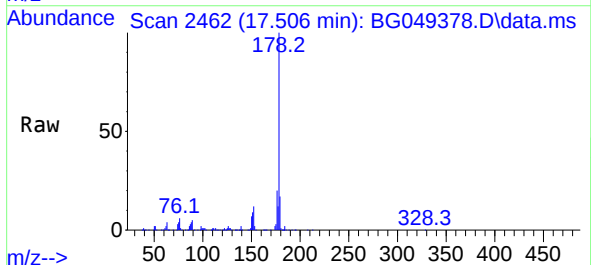
#61
Fluorene
Concen: 4.126 ng/ul
RT: 15.761 min Scan# 2165
Delta R.T. -0.003 min
Lab File: BG049378.D
Acq: 16 Jul 2021 14:43



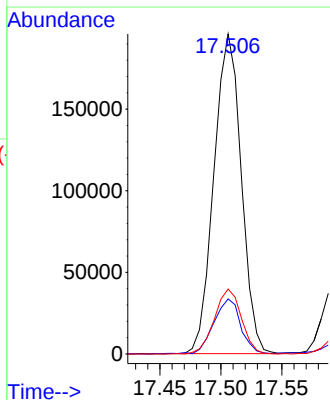
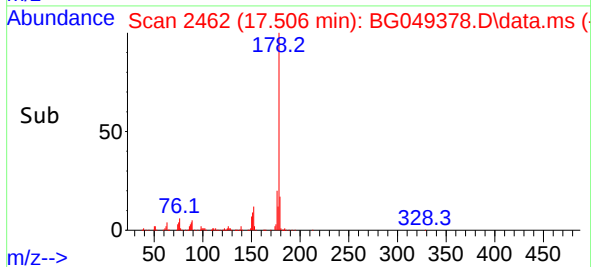
Tgt Ion:166 Resp: 24094
Ion Ratio Lower Upper
166 100
165 102.9 81.8 122.8
167 13.6 10.5 15.7



#72
Phenanthrene
Concen: 33.958 ng/ul
RT: 17.506 min Scan# 2462
Delta R.T. 0.003 min
Lab File: BG049378.D
Acq: 16 Jul 2021 14:43



Tgt Ion:178 Resp: 305201
Ion Ratio Lower Upper
178 100
179 17.2 12.8 19.2
176 20.3 15.8 23.8

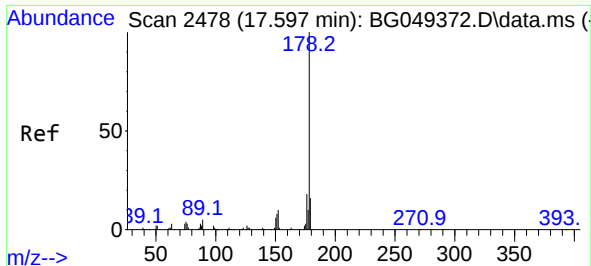


Instrument :
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ClientSampleId :
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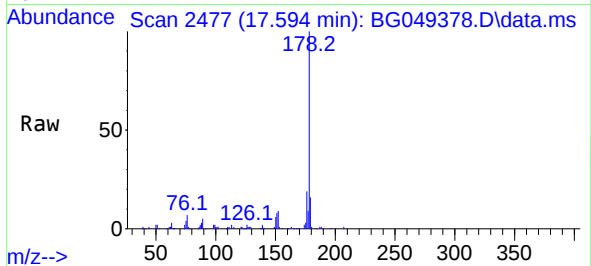
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#74
 Anthracene
 Concen: 8.406 ng/ul
 RT: 17.594 min Scan# 2477
 Delta R.T. -0.003 min
 Lab File: BG049378.D
 Acq: 16 Jul 2021 14:43

Instrument :
 BNA_G
 ClientSampleId :
 BGEC6

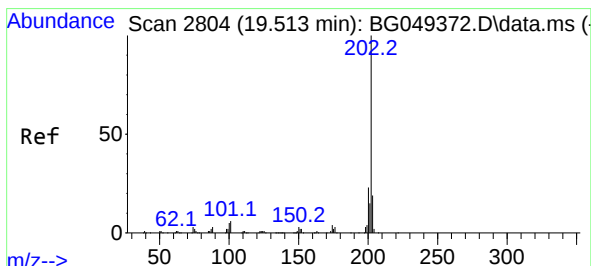
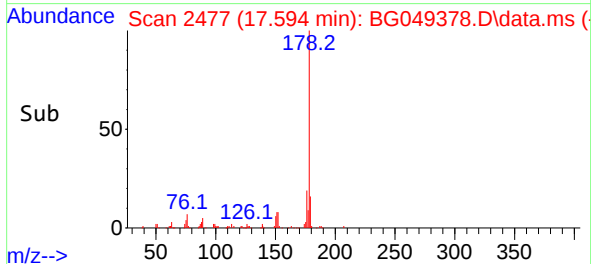
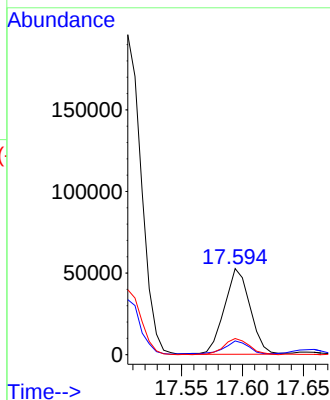


Tgt Ion:178 Resp: 77179
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.6 18.8
 176 18.8 14.8 22.2

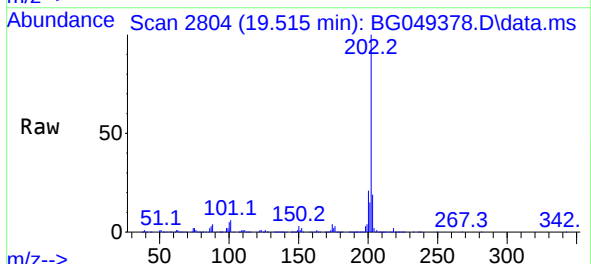
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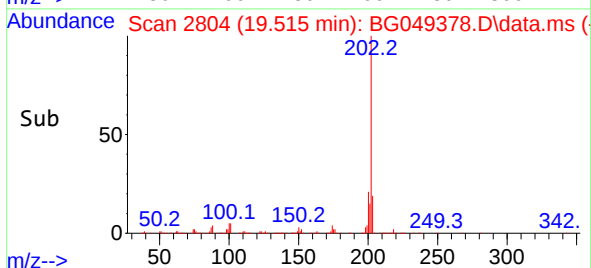
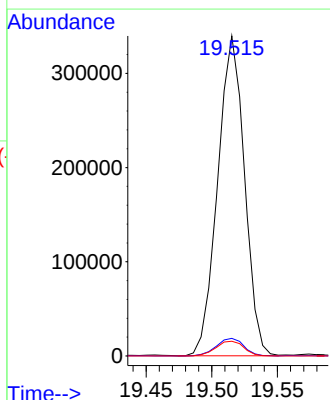
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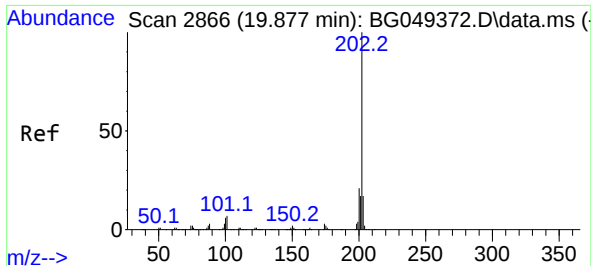


#80
 Fluoranthene
 Concen: 43.442 ng/ul
 RT: 19.515 min Scan# 2804
 Delta R.T. 0.003 min
 Lab File: BG049378.D
 Acq: 16 Jul 2021 14:43



Tgt Ion:202 Resp: 482216
 Ion Ratio Lower Upper
 202 100
 101 5.5 4.6 6.8
 100 4.6 4.0 6.0





#82
Pyrene
Concen: 23.639 ng/u1
RT: 19.880 min Scan# 2866
Delta R.T. 0.003 min
Lab File: BG049378.D
Acq: 16 Jul 2021 14:43

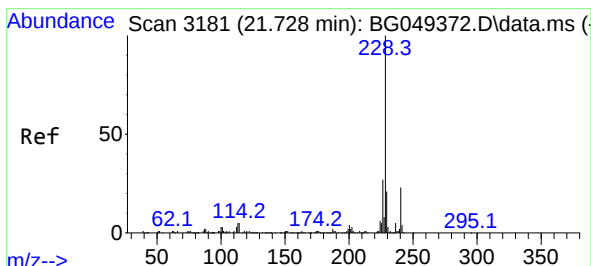
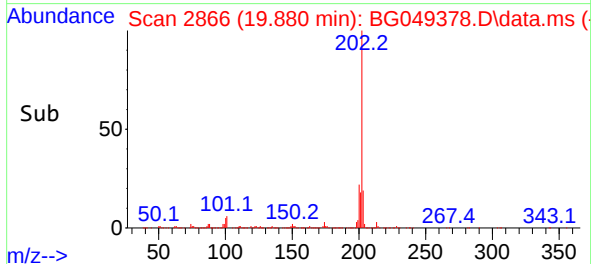
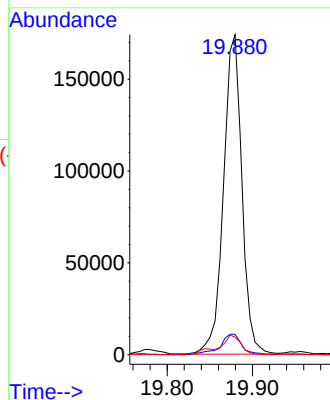
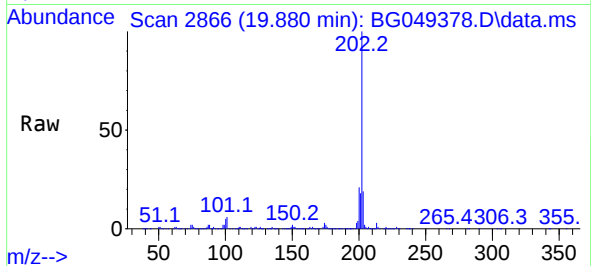
Tgt Ion:202 Resp: 261452
Ion Ratio Lower Upper
202 100
101 6.4 5.3 7.9
100 5.5 4.7 7.1

Instrument :
BNA_G
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Manual Integrations
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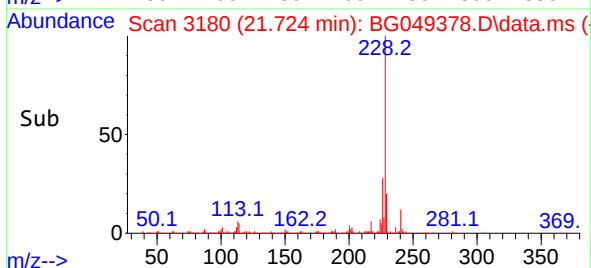
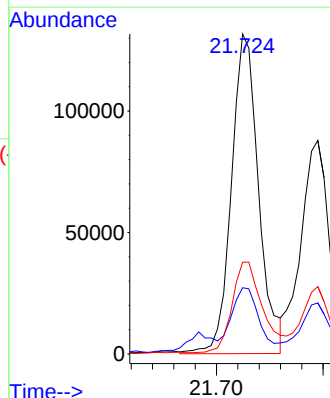
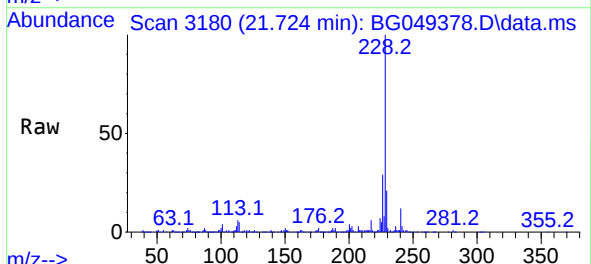
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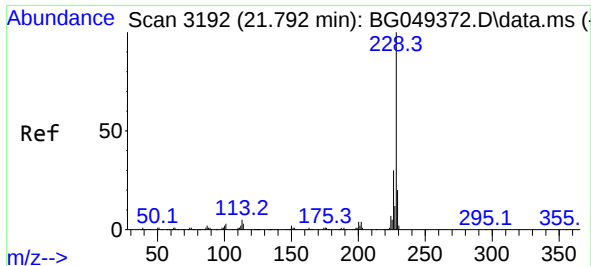
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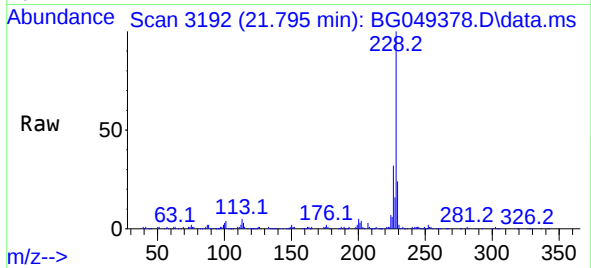
#85
Benzo(a)anthracene
Concen: 20.386 ng/u1
RT: 21.724 min Scan# 3180
Delta R.T. -0.003 min
Lab File: BG049378.D
Acq: 16 Jul 2021 14:43

Tgt Ion:228 Resp: 233289
Ion Ratio Lower Upper
228 100
229 20.7 16.4 24.6
226 28.7 21.3 31.9

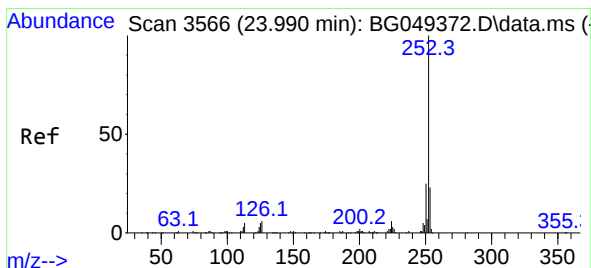
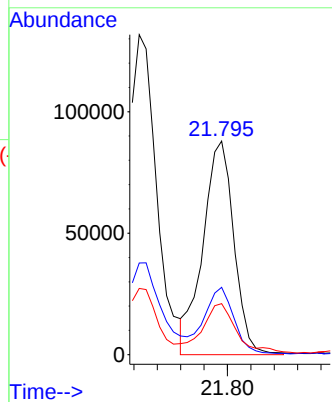
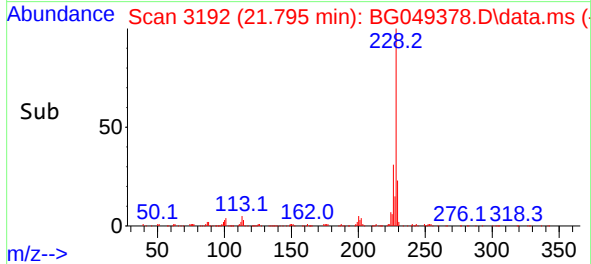




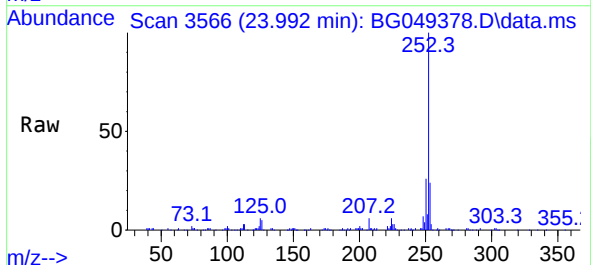
#87
Chrysene
Concen: 15.043 ng/ul m
RT: 21.795 min Scan# 3192
Delta R.T. 0.003 min
Lab File: BG049378.D
Acq: 16 Jul 2021 14:43



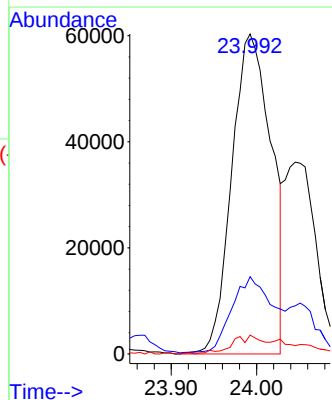
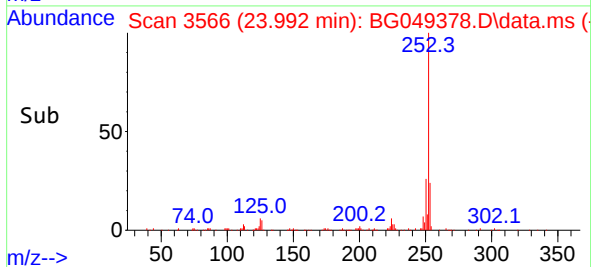
Tgt Ion:228 Resp: 162840
Ion Ratio Lower Upper
228 100
226 31.6 23.9 35.9
229 23.9 15.8 23.6#



#90
Benzo(b)fluoranthene
Concen: 16.082 ng/ul
RT: 23.992 min Scan# 3566
Delta R.T. 0.003 min
Lab File: BG049378.D
Acq: 16 Jul 2021 14:43



Tgt Ion:252 Resp: 193943
Ion Ratio Lower Upper
252 100
253 24.2 18.3 27.5
125 5.9 4.0 6.0

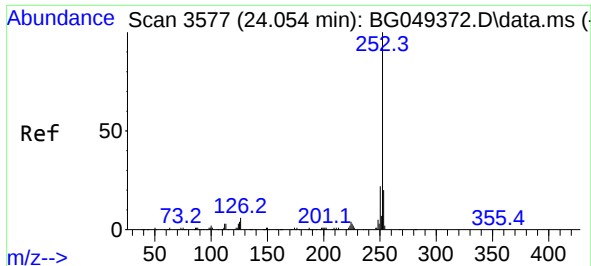


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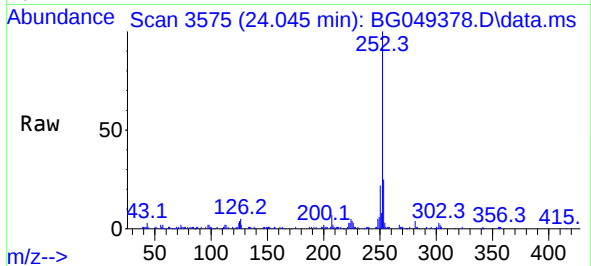
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#91
Benzo(k)fluoranthene
Concen: 7.801 ng/ul m
RT: 24.045 min Scan# 3575
Delta R.T. -0.009 min
Lab File: BG049378.D
Acq: 16 Jul 2021 14:43

Instrument :
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ClientSampled :
BGEC6

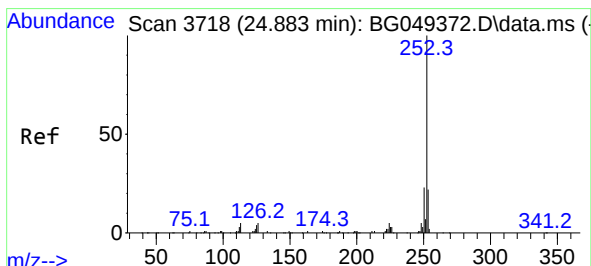
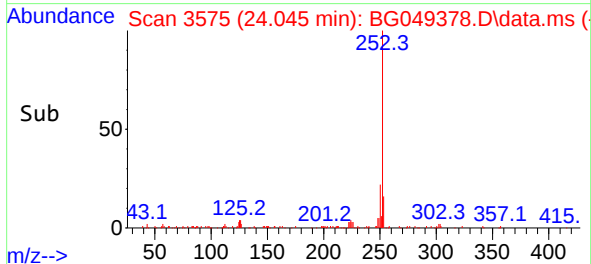
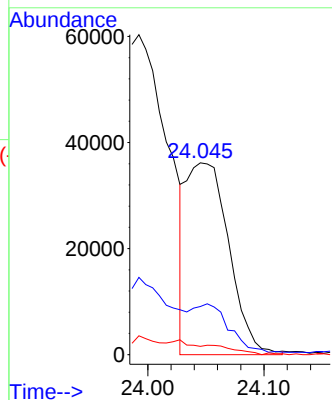


Tgt Ion:252 Resp: 91724
Ion Ratio Lower Upper
252 100
253 25.1 16.6 25.0#
125 4.4 3.0 4.6

Manual Integrations
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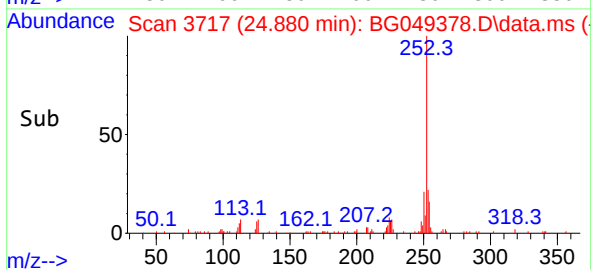
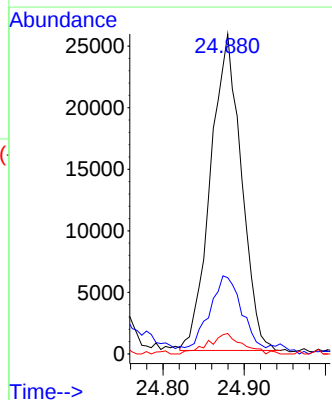
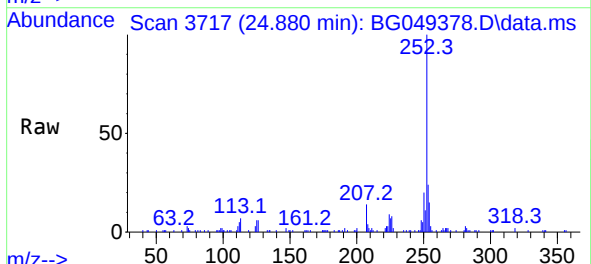
mohammad

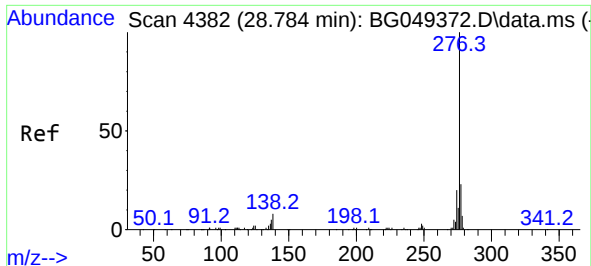
7/19/2021 11:53:20 AM



#93
Benzo(a)pyrene
Concen: 6.382 ng/ul
RT: 24.880 min Scan# 3717
Delta R.T. -0.003 min
Lab File: BG049378.D
Acq: 16 Jul 2021 14:43

Tgt Ion:252 Resp: 67730
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 6.4 3.4 5.0#





#94
Indeno(1,2,3-cd)pyrene
Concen: 4.057 ng/ul
RT: 28.787 min Scan# 4382
Delta R.T. 0.003 min
Lab File: BG049378.D
Acq: 16 Jul 2021 14:43

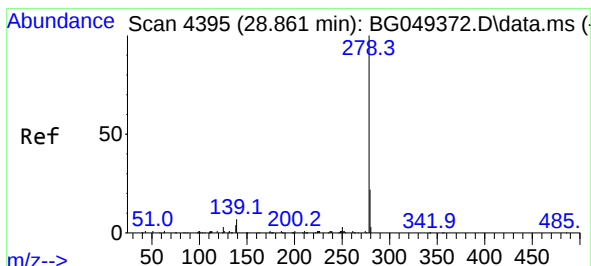
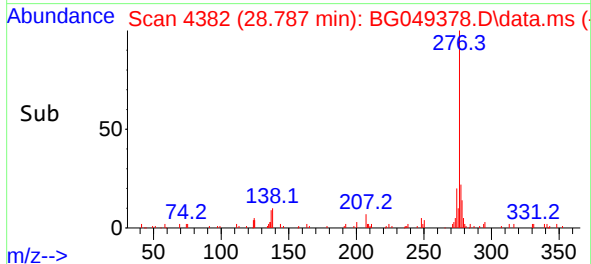
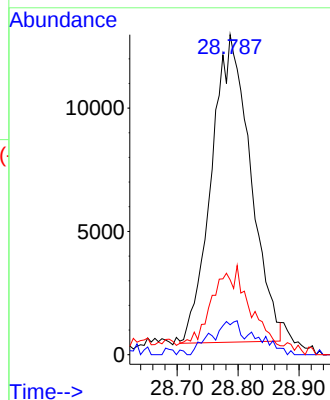
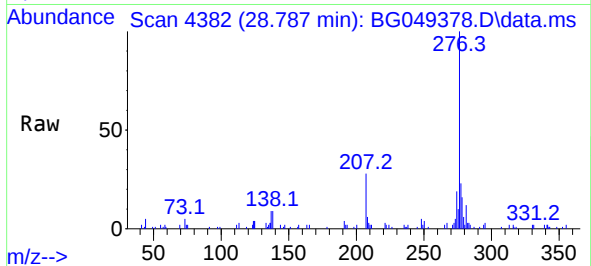
Tgt Ion: 276 Resp: 55558
Ion Ratio Lower Upper
276 100
138 9.3 6.0 9.0#
277 23.4 18.2 27.2

Instrument :
BNA_G
ClientSampled :
BGEC6

Manual Integrations
APPROVED

mohammad

7/19/2021 11:53:20 AM



#95
Dibenzo(a,h)anthracene
Concen: 2.579 ng/ul m
RT: 28.840 min Scan# 4391
Delta R.T. -0.021 min
Lab File: BG049378.D
Acq: 16 Jul 2021 14:43

Tgt Ion: 278 Resp: 29246
Ion Ratio Lower Upper
278 100
139 8.2 5.9 8.9
279 19.8 17.6 26.4

