

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080921\
 Data File : BG049737.D
 Acq On : 9 Aug 2021 12:46
 Operator : CG/JU
 Sample : M3124-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0093

Manual Integrations
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Quant Time: Aug 09 13:29:36 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG080421.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 04 16:17:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.048	152	27348	20.000	ng/ul	0.00
20) Naphthalene-d8	10.868	136	108780	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.698	164	73402	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.447	188	142756	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.735	240	128572	20.000	ng/ul	0.01
88) Perylene-d12	25.019	264	134722	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.425	96	2894m	4.947	ng/uL	0.00
4) Pyridine-d5	3.854	84	33670	19.182	ng/ul	0.00
7) Phenol-d5	7.202	99	75256	30.321	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.366	67	42657	29.921	ng/ul	0.00
11) 2-Chlorophenol-d4	7.572	132	56460	31.783	ng/ul	0.00
15) 4-Methylphenol-d8	8.753	113	43885	23.190	ng/ul	0.00
21) Nitrobenzene-d5	9.211	128	30930	36.096	ng/ul	0.00
24) 2-Nitrophenol-d4	9.939	143	36686	37.489	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.486	165	61937	33.567	ng/ul	0.00
31) 4-Chloroaniline-d4	11.003	131	48108	19.045	ng/ul	0.00
46) Dimethylphthalate-d6	14.093	166	209336	36.341	ng/ul	0.00
49) Acenaphthylene-d8	14.392	160	249317	36.380	ng/ul	0.00
54) 4-Nitrophenol-d4	14.903	143	29830	32.029	ng/ul	0.02
60) Fluorene-d10	15.690	176	179608	36.274	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.814	200	33116	34.467	ng/ul	0.00
73) Anthracene-d10	17.547	188	265641	39.421	ng/ul	0.00
81) Pyrene-d10	19.838	212	301674	42.585	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.802	264	280813	38.041	ng/ul	0.02
Target Compounds						
					Qvalue	
50) Acenaphthylene	14.416	152	16847	2.605	ng/ul#	90
72) Phenanthrene	17.494	178	95246	12.606	ng/ul	98
74) Anthracene	17.582	178	35274	4.667	ng/ul	97
77) Carbazole	17.852	167	9618	1.424	ng/ul#	90
80) Fluoranthene	19.503	202	534044	61.085	ng/ul	99
82) Pyrene	19.867	202	422717	48.477	ng/ul	99
85) Benzo(a)anthracene	21.712	228	249894	29.603	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.606	149	19642	4.035	ng/ul	97
87) Chrysene	21.782	228	217249	27.556	ng/ul	97
90) Benzo(b)fluoranthene	23.973	252	308115	34.991	ng/ul	100
91) Benzo(k)fluoranthene	24.038	252	106039m	12.128	ng/ul	
93) Benzo(a)pyrene	24.866	252	184501	23.801	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.779	276	136452	13.413	ng/ul#	97
95) Dibenzo(a,h)anthracene	28.826	278	38935m	4.588	ng/ul	
96) Benzo(g,h,i)perylene	29.959	276	108059m	12.774	ng/ul	

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

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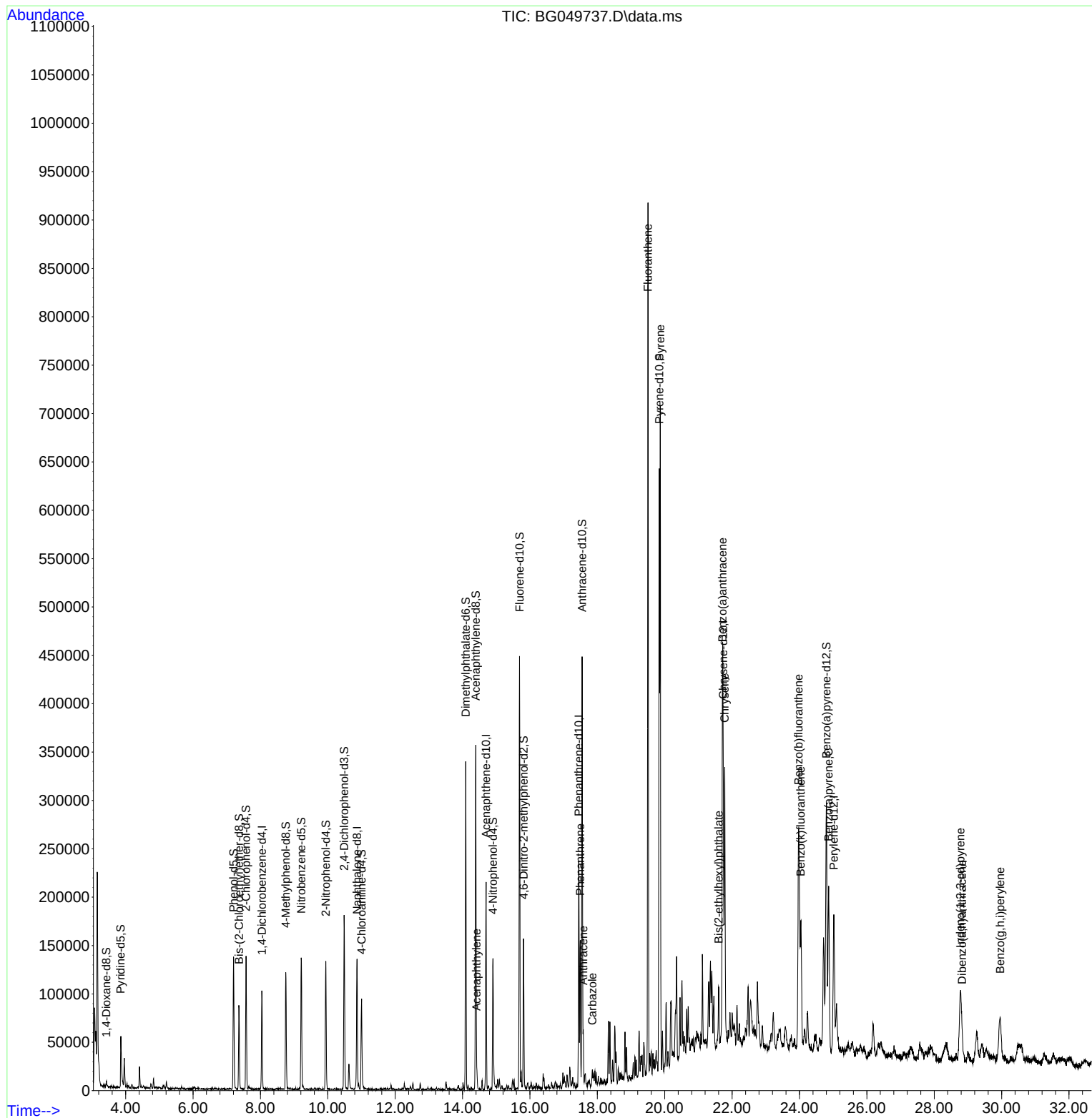
Instrument :
BNA_G
ClientSampled :
C0093

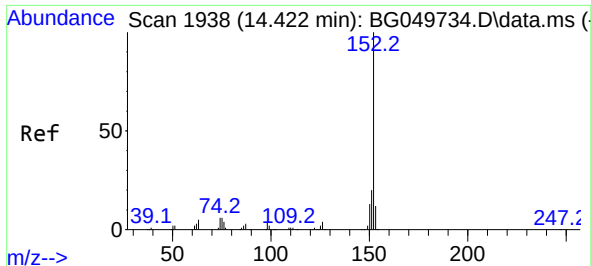
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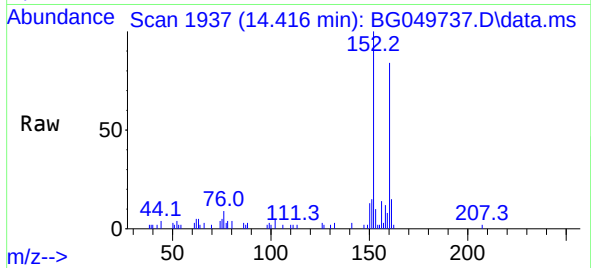
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG080421.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 04 16:17:29 2021
Response via : Initial Calibration

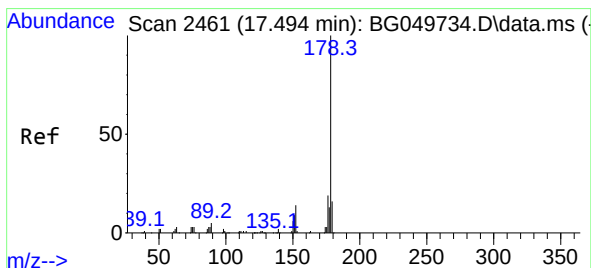
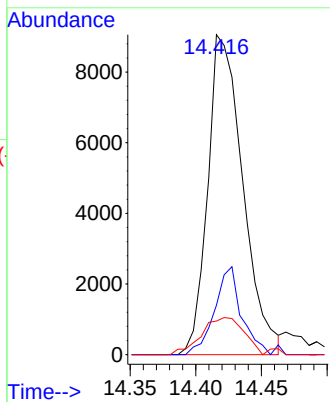
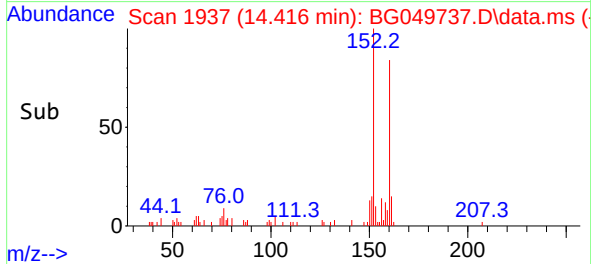




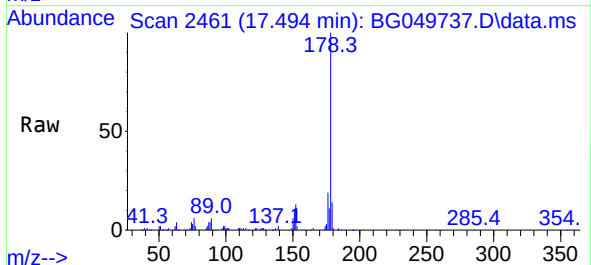
#50
Acenaphthylene
Concen: 2.605 ng/ul
RT: 14.416 min Scan# 1937
Delta R.T. -0.001 min
Lab File: BG049737.D
Acq: 9 Aug 2021 12:46



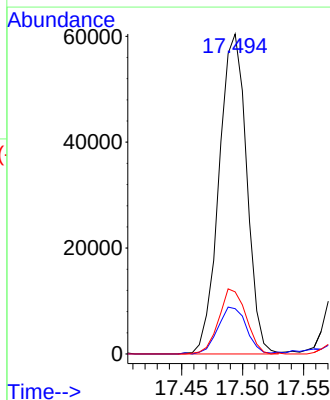
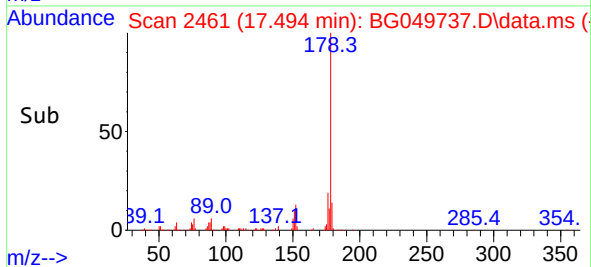
Tgt Ion:152 Resp: 16847
Ion Ratio Lower Upper
152 100
151 15.4 16.3 24.5#
153 10.5 11.4 17.0#



#72
Phenanthrene
Concen: 12.606 ng/ul
RT: 17.494 min Scan# 2461
Delta R.T. 0.005 min
Lab File: BG049737.D
Acq: 9 Aug 2021 12:46



Tgt Ion:178 Resp: 95246
Ion Ratio Lower Upper
178 100
179 14.2 12.4 18.6
176 19.4 15.4 23.2

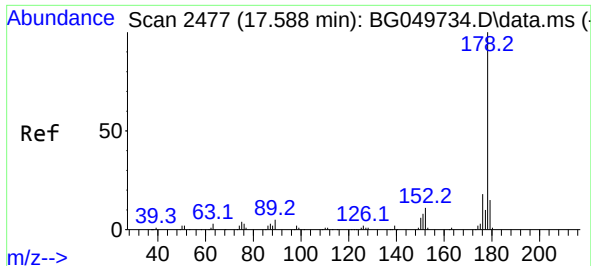


Instrument :
BNA_G
ClientSampled :
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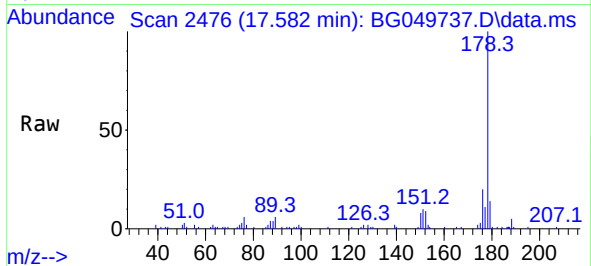
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#74
 Anthracene
 Concen: 4.667 ng/u1
 RT: 17.582 min Scan# 2476
 Delta R.T. 0.005 min
 Lab File: BG049737.D
 Acq: 9 Aug 2021 12:46

Instrument :
 BNA_G
 ClientSampled :
 C0093

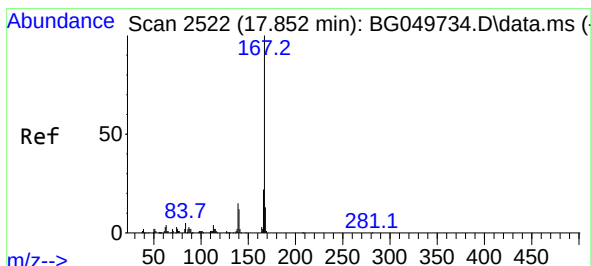
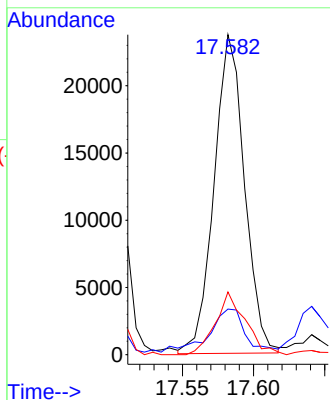
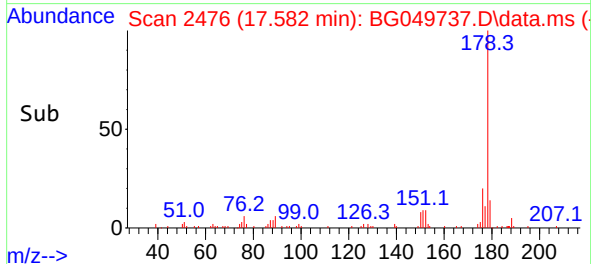


Tgt Ion:178 Resp: 35274
 Ion Ratio Lower Upper
 178 100
 179 14.3 12.4 18.6
 176 19.6 14.6 21.8

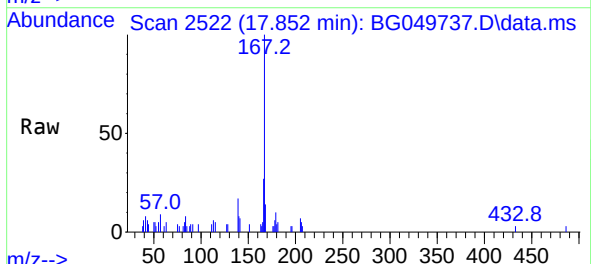
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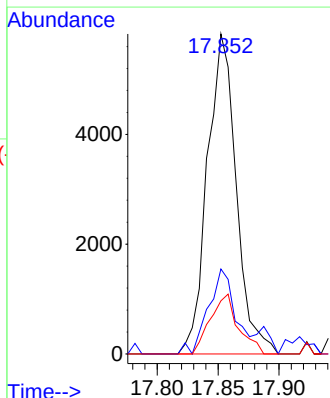
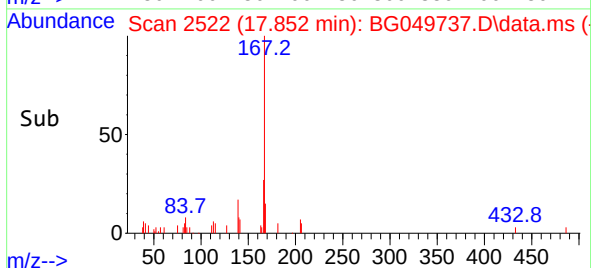
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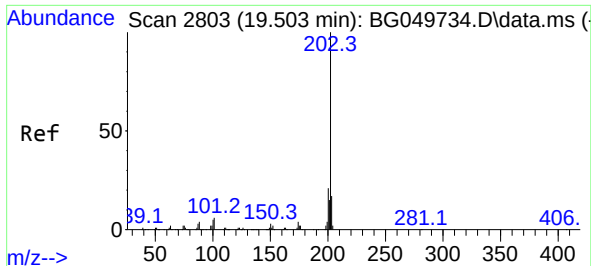


#77
 Carbazole
 Concen: 1.424 ng/u1
 RT: 17.852 min Scan# 2522
 Delta R.T. 0.005 min
 Lab File: BG049737.D
 Acq: 9 Aug 2021 12:46



Tgt Ion:167 Resp: 9618
 Ion Ratio Lower Upper
 167 100
 166 26.6 17.3 25.9#
 139 16.6 10.4 15.6#





#80
Fluoranthene
Concen: 61.085 ng/u1
RT: 19.503 min Scan# 2803
Delta R.T. 0.005 min
Lab File: BG049737.D
Acq: 9 Aug 2021 12:46

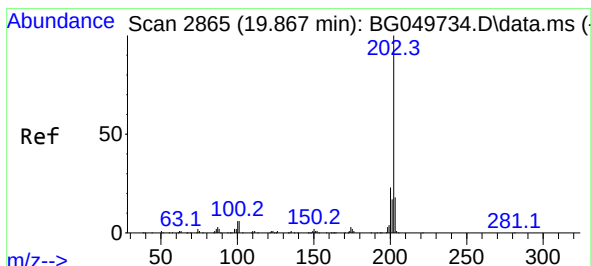
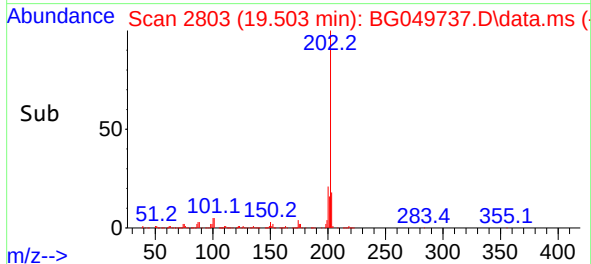
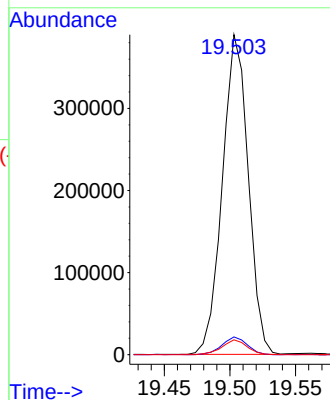
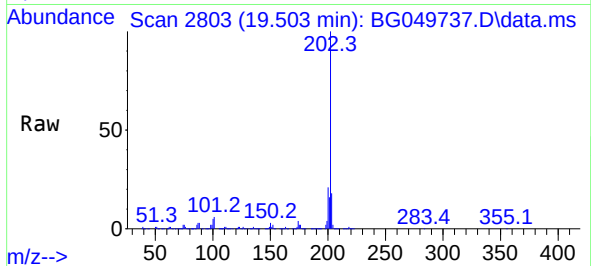
Tgt Ion:202 Resp: 534044
Ion Ratio Lower Upper
202 100
101 5.6 4.8 7.2
100 4.7 3.9 5.9

Instrument :
BNA_G
ClientSampled :
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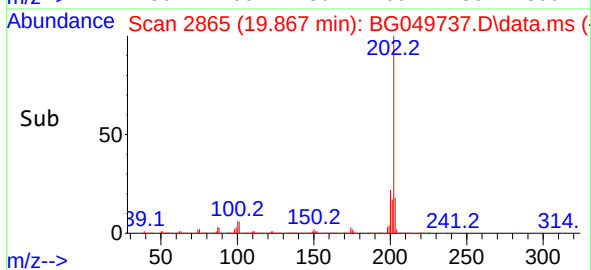
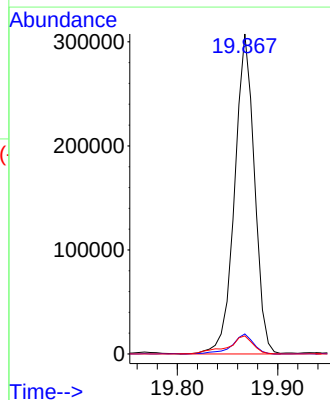
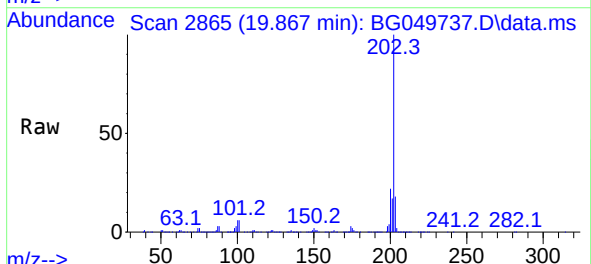
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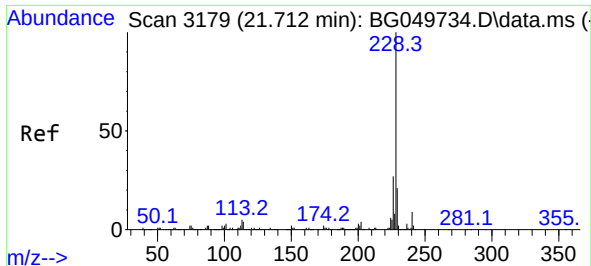
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#82
Pyrene
Concen: 48.477 ng/u1
RT: 19.867 min Scan# 2865
Delta R.T. 0.005 min
Lab File: BG049737.D
Acq: 9 Aug 2021 12:46

Tgt Ion:202 Resp: 422717
Ion Ratio Lower Upper
202 100
101 6.3 5.2 7.8
100 5.6 4.8 7.2





#85
Benzo(a)anthracene
Concen: 29.603 ng/ul
RT: 21.712 min Scan# 3179
Delta R.T. 0.005 min
Lab File: BG049737.D
Acq: 9 Aug 2021 12:46

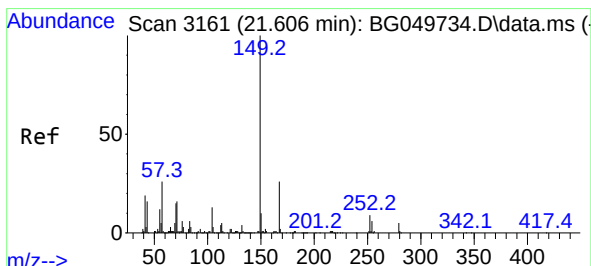
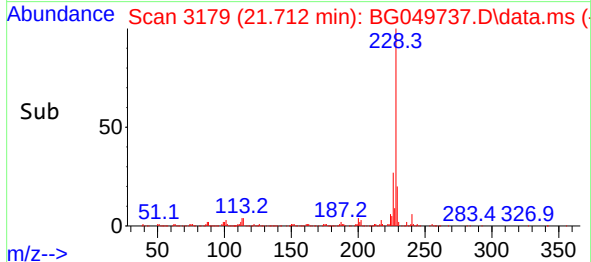
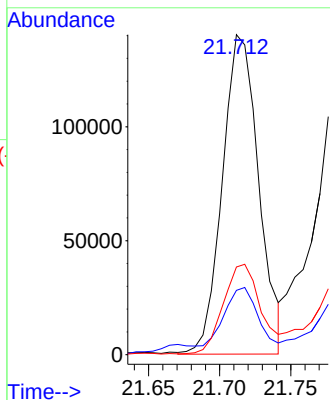
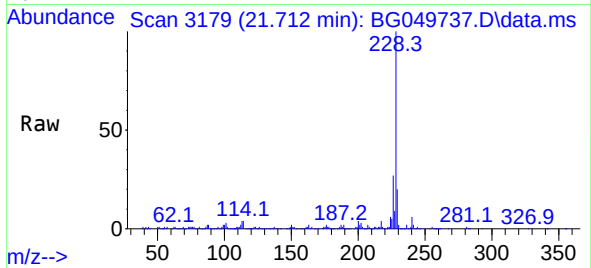
Tgt Ion:228 Resp: 249894
Ion Ratio Lower Upper
228 100
229 20.1 15.3 22.9
226 27.4 21.0 31.6

Instrument :
BNA_G
ClientSampled :
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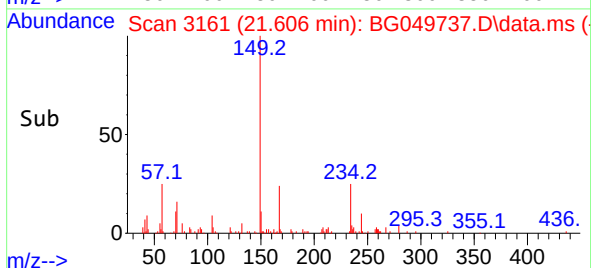
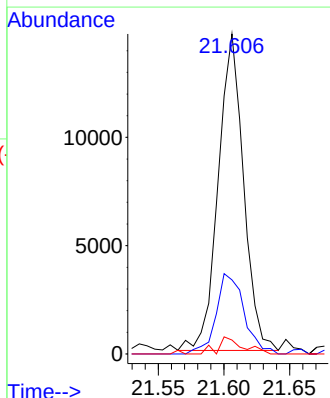
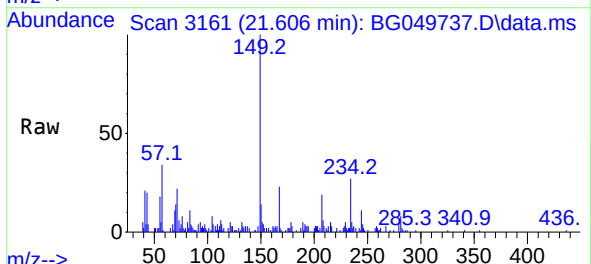
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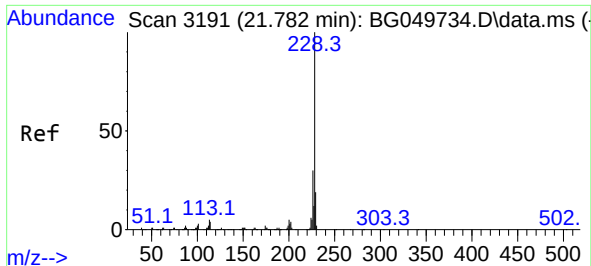
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#86
Bis(2-ethylhexyl)phthalate
Concen: 4.035 ng/ul
RT: 21.606 min Scan# 3161
Delta R.T. 0.005 min
Lab File: BG049737.D
Acq: 9 Aug 2021 12:46

Tgt Ion:149 Resp: 19642
Ion Ratio Lower Upper
149 100
167 23.2 19.9 29.9
279 4.3 3.6 5.4





#87
Chrysene
Concen: 27.556 ng/u1
RT: 21.782 min Scan# 3191
Delta R.T. 0.005 min
Lab File: BG049737.D
Acq: 9 Aug 2021 12:46

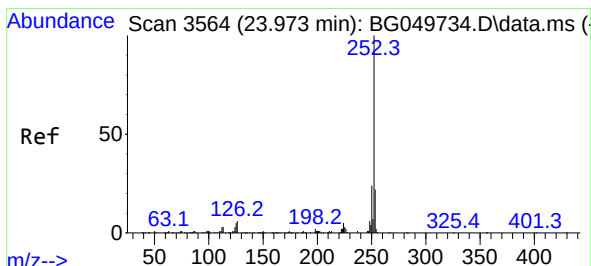
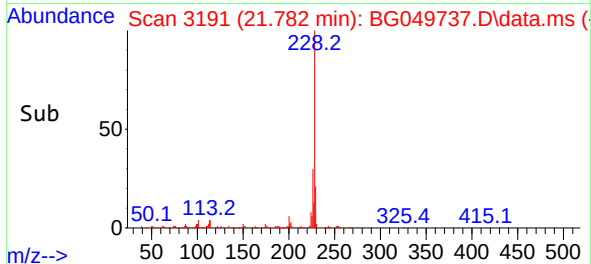
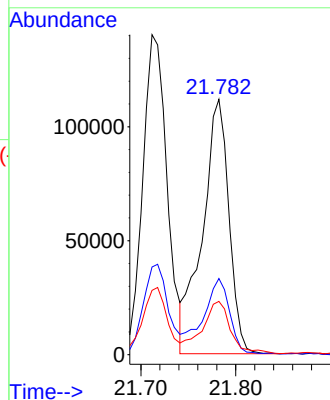
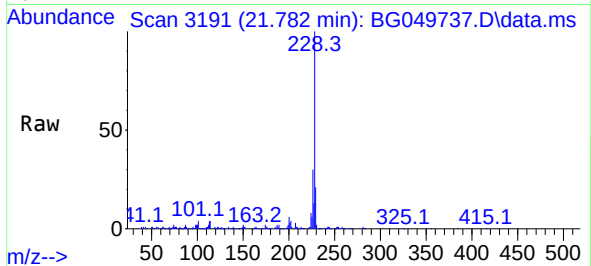
Tgt Ion:228 Resp: 217249
Ion Ratio Lower Upper
228 100
226 29.8 24.7 37.1
229 20.9 15.4 23.2

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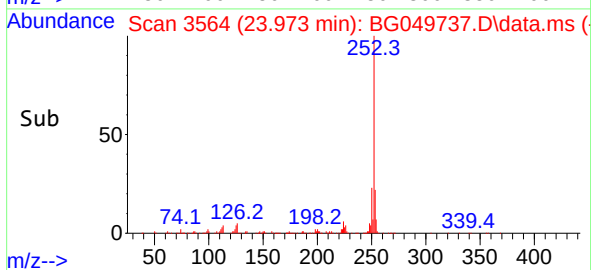
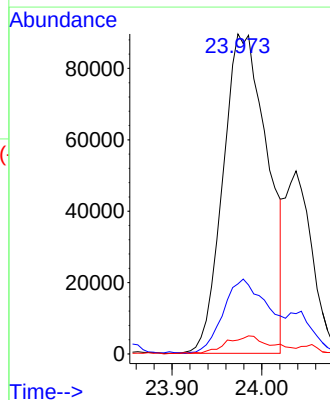
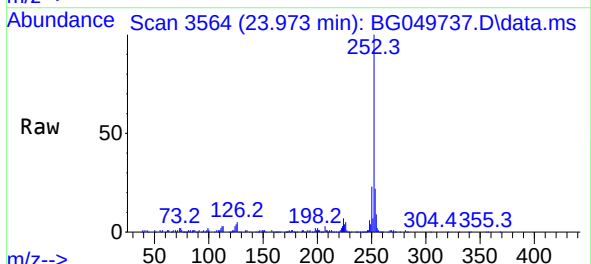
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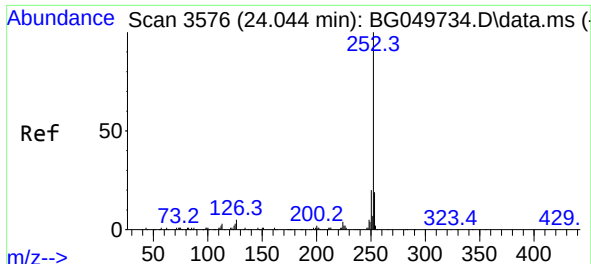
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#90
Benzo(b)fluoranthene
Concen: 34.991 ng/u1
RT: 23.973 min Scan# 3564
Delta R.T. 0.017 min
Lab File: BG049737.D
Acq: 9 Aug 2021 12:46

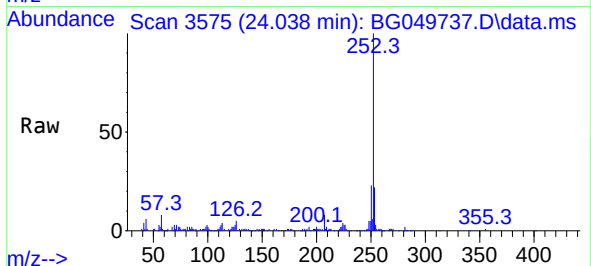
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Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 4.4 3.7 5.5





#91
Benzo(k)fluoranthene
Concen: 12.128 ng/ul m
RT: 24.038 min Scan# 3575
Delta R.T. 0.011 min
Lab File: BG049737.D
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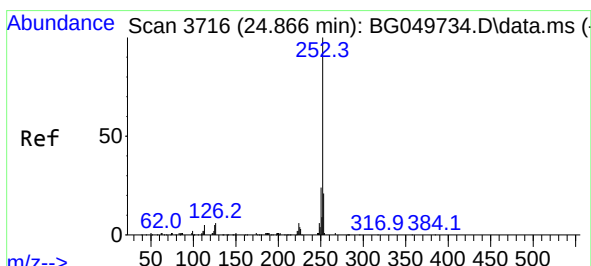
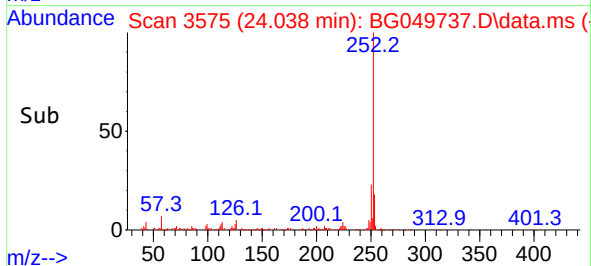
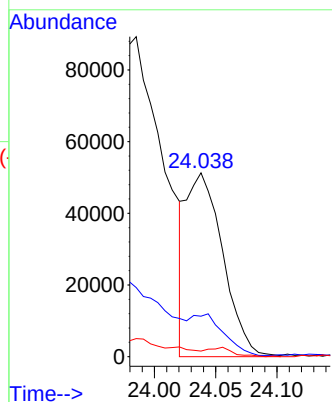


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Ion Ratio Lower Upper
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253 22.0 17.8 26.8
125 3.0 3.8 5.8#

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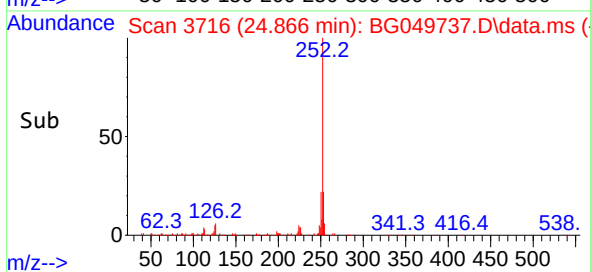
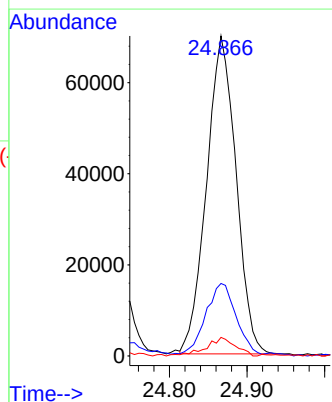
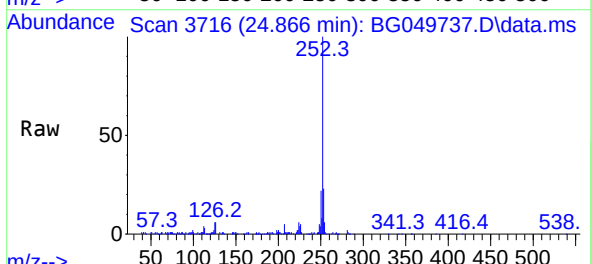
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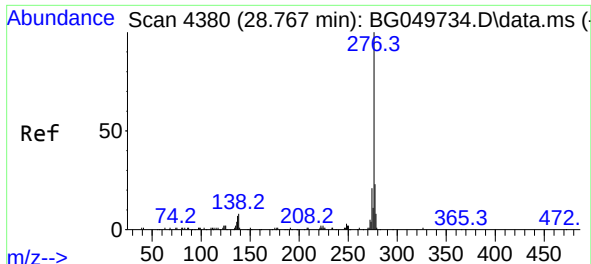
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#93
Benzo(a)pyrene
Concen: 23.801 ng/ul
RT: 24.866 min Scan# 3716
Delta R.T. 0.017 min
Lab File: BG049737.D
Acq: 9 Aug 2021 12:46

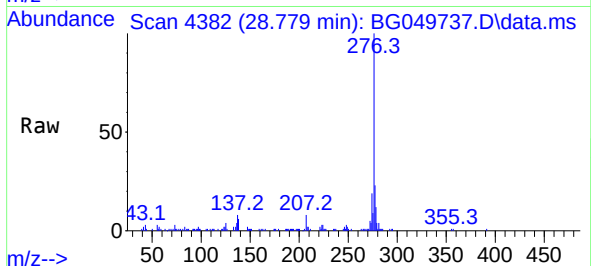
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Ion Ratio Lower Upper
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253 22.7 17.7 26.5
125 5.8 4.6 7.0





#94
Indeno(1,2,3-cd)pyrene
Concen: 13.413 ng/ul
RT: 28.779 min Scan# 4382
Delta R.T. 0.034 min
Lab File: BG049737.D
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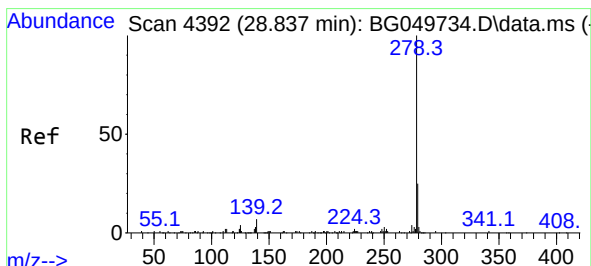
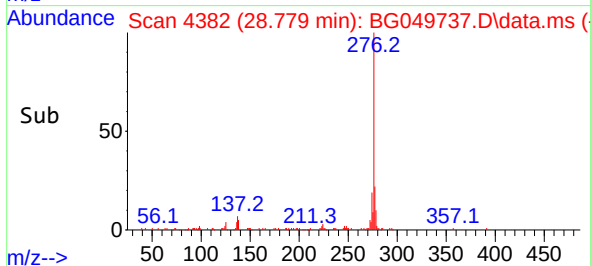
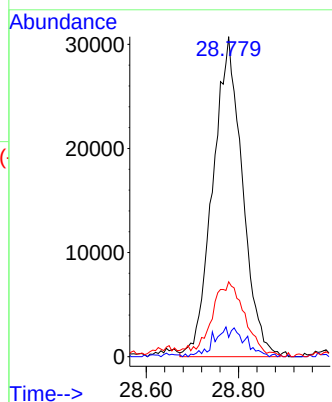


Tgt Ion:276 Resp: 136452
Ion Ratio Lower Upper
276 100
138 6.0 6.6 10.0#
277 23.4 19.4 29.2

Manual Integrations
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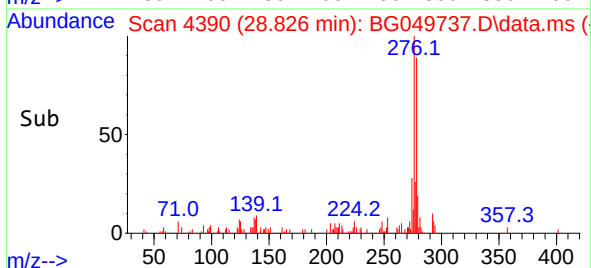
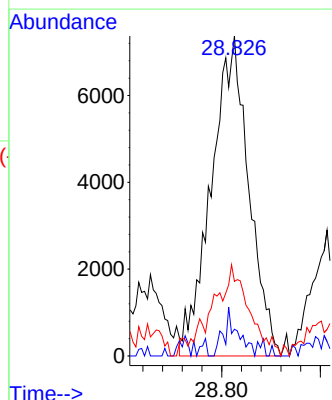
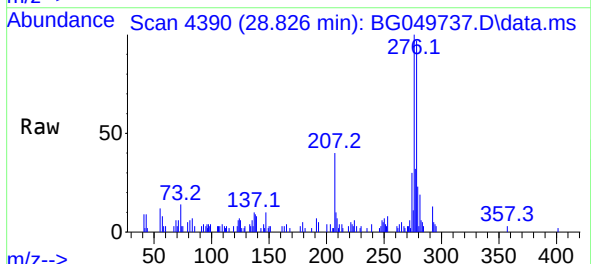
mohammad
8/10/2021 4:33:10 PM

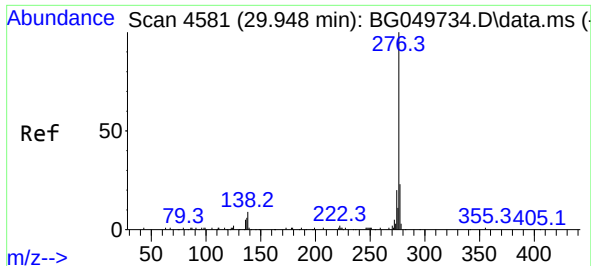
mohammad
8/10/2021 4:33:10 PM



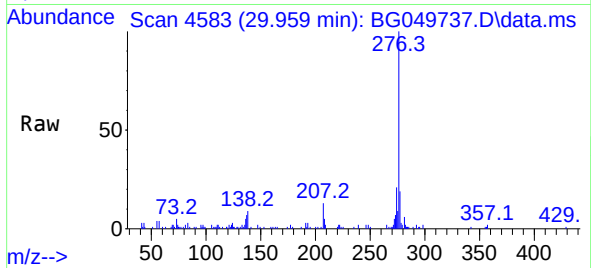
#95
Dibenzo(a,h)anthracene
Concen: 4.588 ng/ul m
RT: 28.826 min Scan# 4390
Delta R.T. 0.005 min
Lab File: BG049737.D
Acq: 9 Aug 2021 12:46

Tgt Ion:278 Resp: 38935
Ion Ratio Lower Upper
278 100
139 8.3 6.3 9.5
279 23.3 18.9 28.3

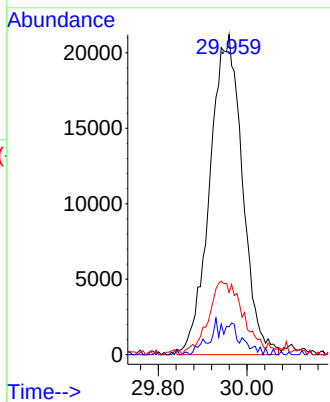
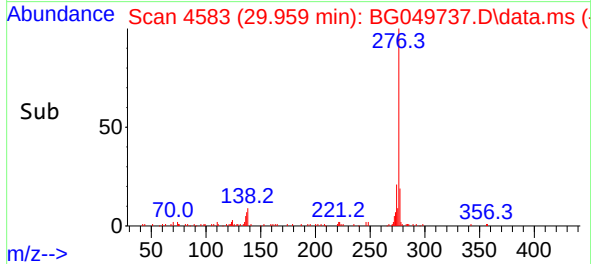




#96
Benzo(g,h,i)perylene
Concen: 12.774 ng/ul m
RT: 29.959 min Scan# 4583
Delta R.T. 0.040 min
Lab File: BG049737.D
Acq: 9 Aug 2021 12:46



Tgt Ion: 276 Resp: 108059
Ion Ratio Lower Upper
276 100
138 8.7 7.2 10.8
277 19.5 19.5 29.3#



Instrument :
BNA_G
ClientSampleId :
C0093

Manual Integrations
APPROVED

mohammad
8/10/2021 4:33:10 PM

mohammad
8/10/2021 4:33:10 PM