

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071421\
 Data File : BG049357.D
 Acq On : 15 Jul 2021 11:15
 Operator : CG/JU
 Sample : M2971-16
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGEA2

Manual Integrations
 APPROVED

mohammad
 7/16/2021 10:54:00 AM

Quant Time: Jul 15 11:53:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 09 03:15:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.067	152	30239	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.887	136	128200	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.712	164	95233	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.462	188	204243	20.000	ng/ul	0.00
79) Chrysene-d12	21.745	240	202146	20.000	ng/ul	0.00
88) Perylene-d12	25.029	264	208391	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.461	96	1280	1.991	ng/uL	0.00
4) Pyridine-d5	3.884	84	7420	3.925	ng/ul	0.00
7) Phenol-d5	7.221	99	27656	10.514	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.380	67	16649	10.913	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.597	132	21573	11.097	ng/ul	0.00
15) 4-Methylphenol-d8	8.766	113	22699	10.771	ng/ul	-0.01
21) Nitrobenzene-d5	9.230	128	11007	11.189	ng/ul	0.00
24) 2-Nitrophenol-d4	9.959	143	12564	11.125	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.499	165	23204	10.530	ng/ul	-0.01
31) 4-Chloroaniline-d4	11.016	131	25412	8.849	ng/ul	0.00
46) Dimethylphthalate-d6	14.107	166	85462	11.669	ng/ul	0.00
49) Acenaphthylene-d8	14.401	160	92547	10.770	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.912	143	9598	7.917	ng/ul	0.00
60) Fluorene-d10	15.705	176	70510	11.371	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.817	200	10120	7.795	ng/ul	0.00
73) Anthracene-d10	17.556	188	118473	12.740	ng/ul	-0.01
81) Pyrene-d10	19.841	212	133835	12.917	ng/ul	-0.01
92) Benzo(a)pyrene-d12	24.800	264	109617	10.119	ng/ul	-0.02
Target Compounds					Qvalue	
72) Phenanthrene	17.503	178	28599	2.871	ng/ul	97
74) Anthracene	17.591	178	17690	1.738	ng/ul	96
80) Fluoranthene	19.512	202	112196	9.311	ng/ul	97
82) Pyrene	19.871	202	79164	6.594	ng/ul#	95
85) Benzo(a)anthracene	21.722	228	76519	6.160	ng/ul	96
87) Chrysene	21.792	228	57476	4.891	ng/ul	98
90) Benzo(b)fluoranthene	23.984	252	65974m	5.132	ng/ul	
91) Benzo(k)fluoranthene	24.042	252	34201m	2.728	ng/ul	
93) Benzo(a)pyrene	24.871	252	39728	3.512	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.784	276	27589m	1.890	ng/ul	

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

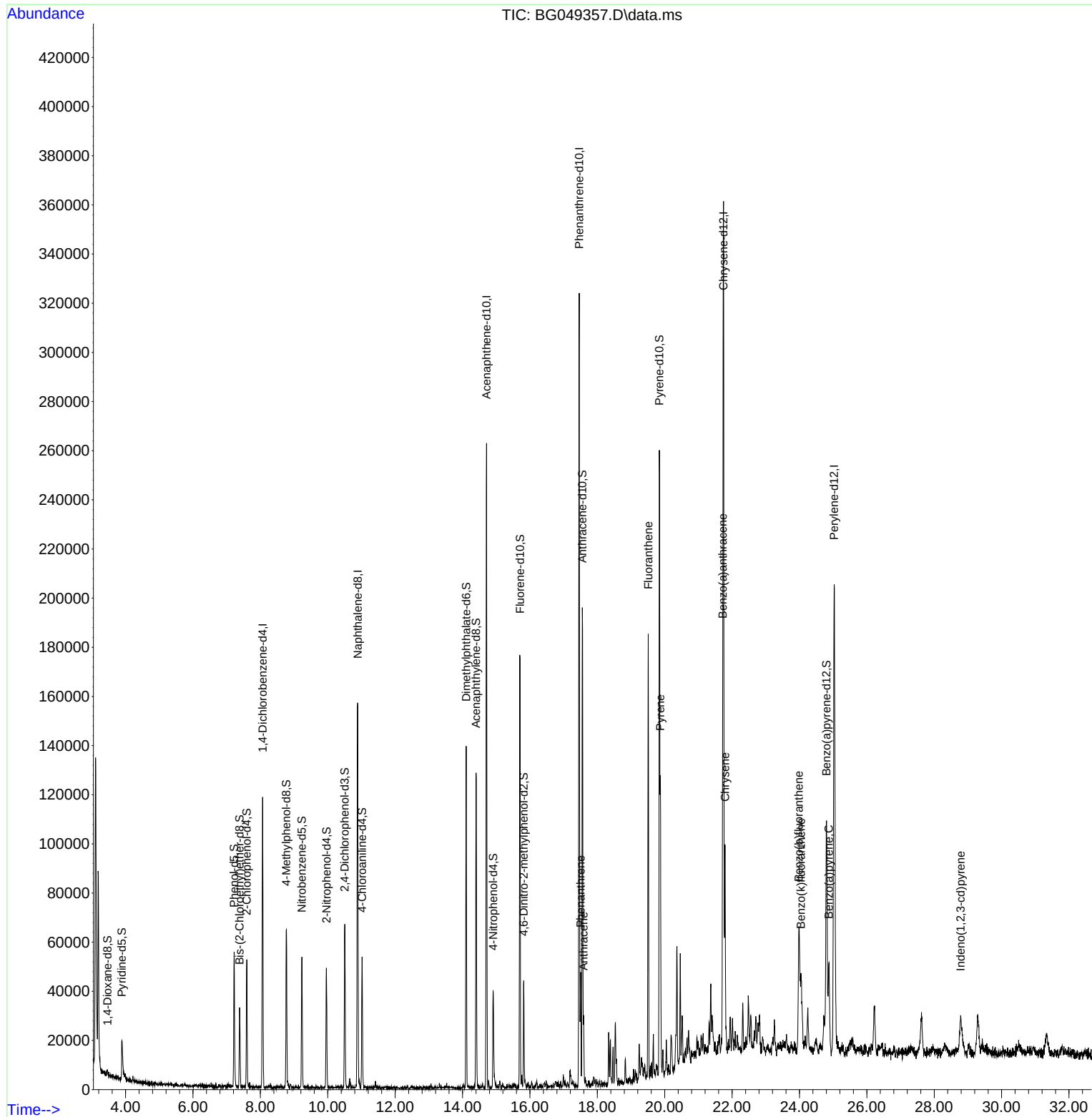
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Data File : BG049357.D
Acq On : 15 Jul 2021 11:15
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ALS Vial : 32 Sample Multiplier: 1

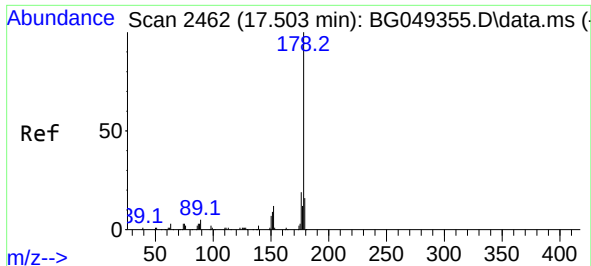
Instrument :
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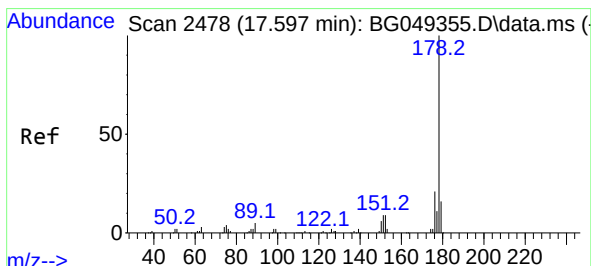
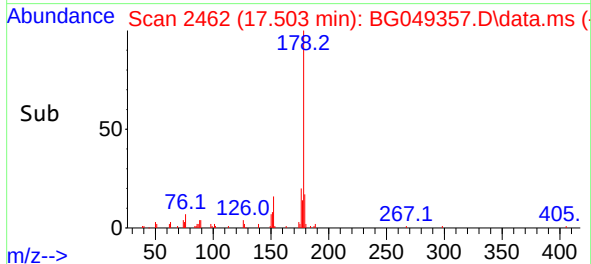
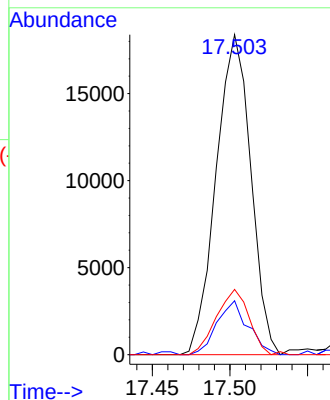
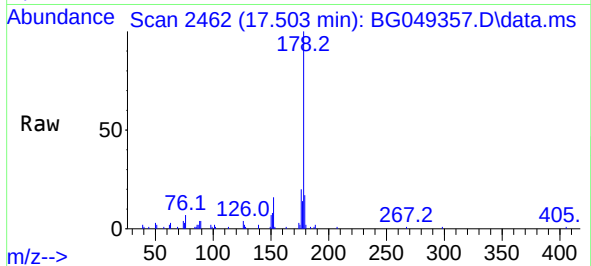
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Phenanthrene
Concen: 2.871 ng/ul
RT: 17.503 min Scan# 2462
Delta R.T. -0.009 min
Lab File: BG049357.D
Acq: 15 Jul 2021 11:15

Tgt Ion:178 Resp: 28599
Ion Ratio Lower Upper
178 100
179 16.8 11.7 17.5
176 20.4 15.6 23.4

Instrument :
BNA_G
ClientSampled :
BGEA2

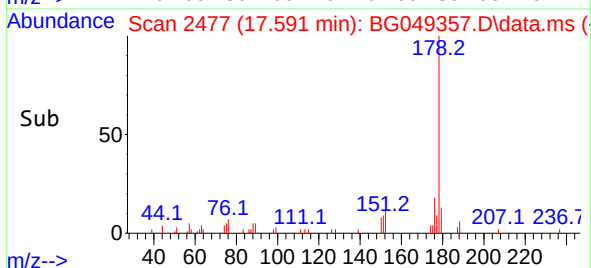
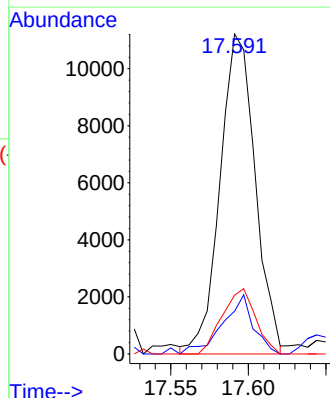
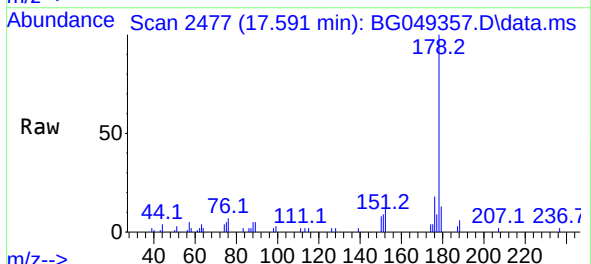
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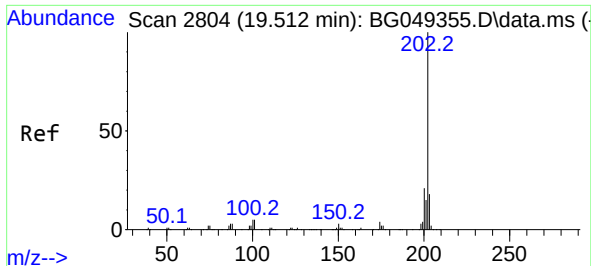
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#74
Anthracene
Concen: 1.738 ng/ul
RT: 17.591 min Scan# 2477
Delta R.T. -0.015 min
Lab File: BG049357.D
Acq: 15 Jul 2021 11:15

Tgt Ion:178 Resp: 17690
Ion Ratio Lower Upper
178 100
179 13.3 12.7 19.1
176 18.4 15.6 23.4





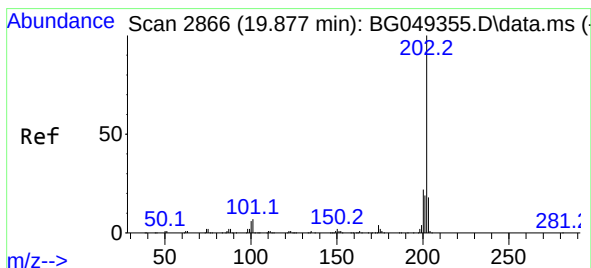
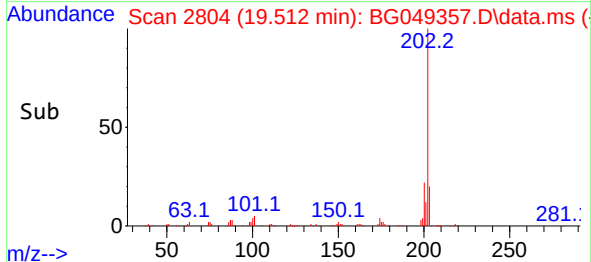
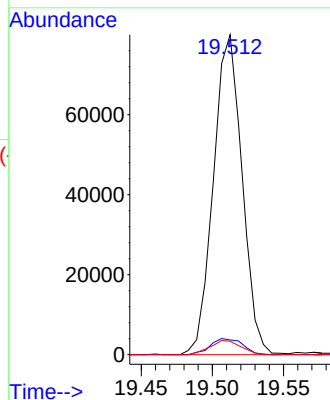
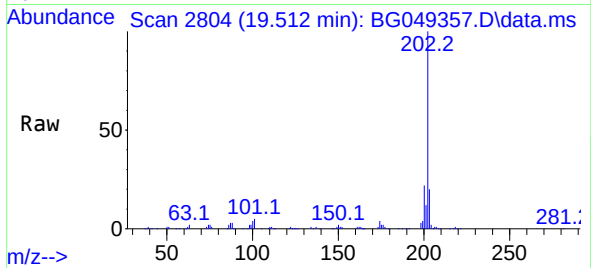
#80
Fluoranthene
Concen: 9.311 ng/ul
RT: 19.512 min Scan# 2804
Delta R.T. -0.009 min
Lab File: BG049357.D
Acq: 15 Jul 2021 11:15

Tgt Ion:202 Resp: 112196
Ion Ratio Lower Upper
202 100
101 4.6 4.6 6.8
100 4.2 4.0 6.0

Instrument :
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ClientSampled :
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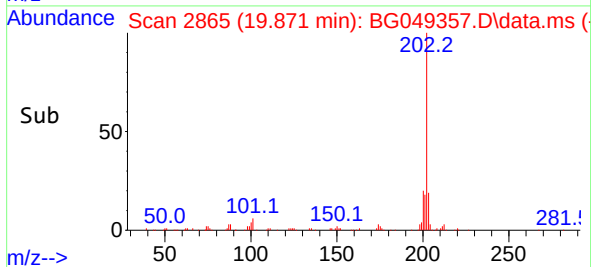
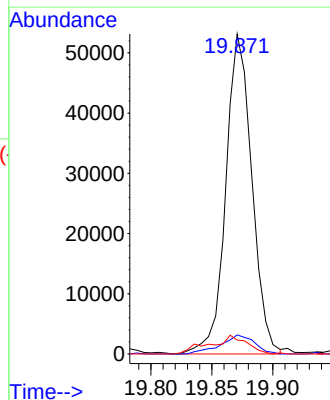
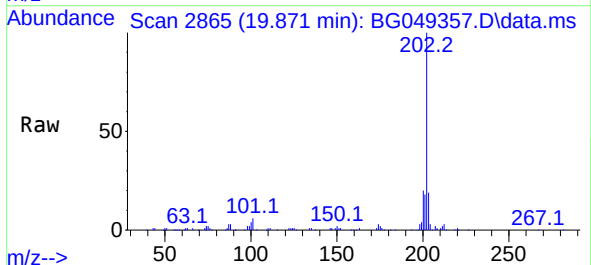
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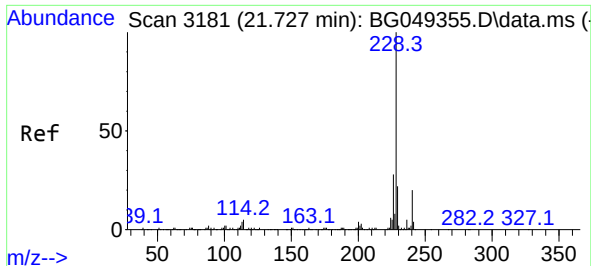
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#82
Pyrene
Concen: 6.594 ng/ul
RT: 19.871 min Scan# 2865
Delta R.T. -0.015 min
Lab File: BG049357.D
Acq: 15 Jul 2021 11:15

Tgt Ion:202 Resp: 79164
Ion Ratio Lower Upper
202 100
101 5.9 5.8 8.8
100 4.4 5.0 7.6#





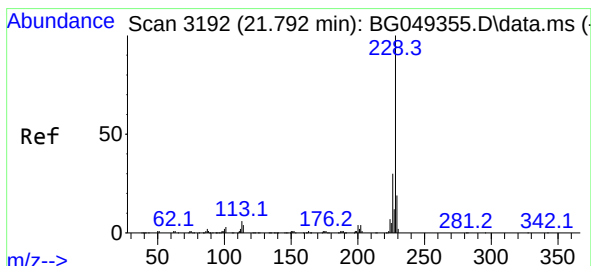
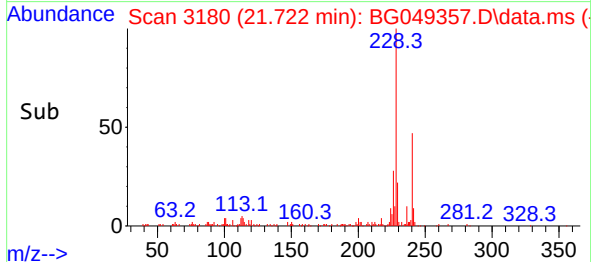
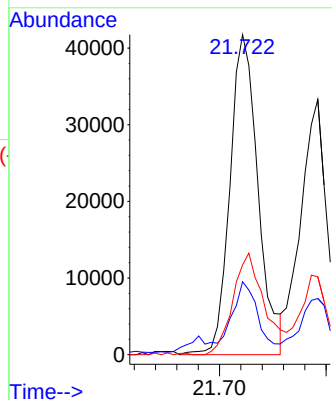
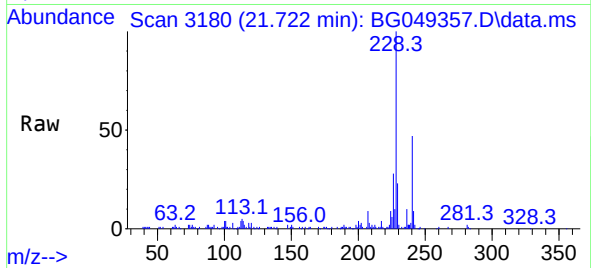
#85
Benzo(a)anthracene
Concen: 6.160 ng/ul
RT: 21.722 min Scan# 3180
Delta R.T. -0.015 min
Lab File: BG049357.D
Acq: 15 Jul 2021 11:15

Tgt Ion:	228	Resp:	76519
Ion Ratio	Lower	Upper	
228	100		
229	22.8	16.4	24.6
226	28.1	21.3	31.9

Instrument :
BNA_G
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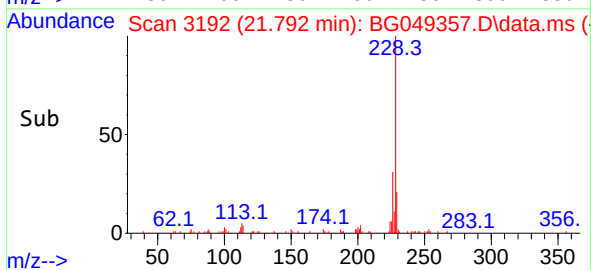
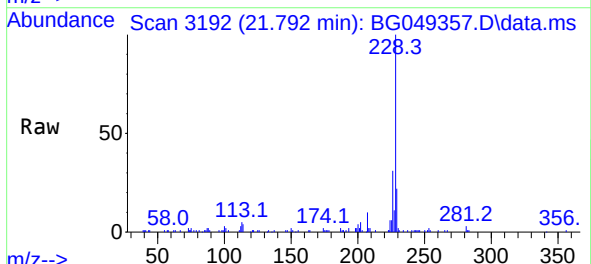
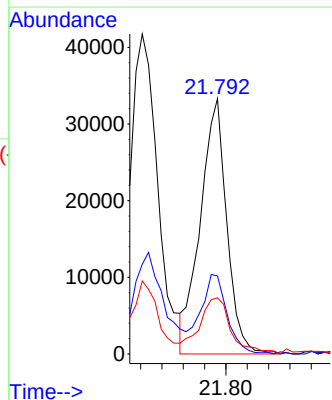
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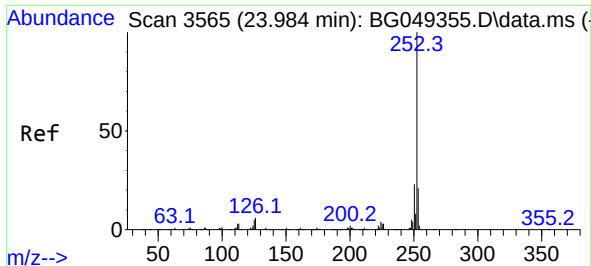
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#87
Chrysene
Concen: 4.891 ng/ul
RT: 21.792 min Scan# 3192
Delta R.T. -0.009 min
Lab File: BG049357.D
Acq: 15 Jul 2021 11:15

Tgt Ion:	228	Resp:	57476
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.0	36.0
229	22.0	16.4	24.6





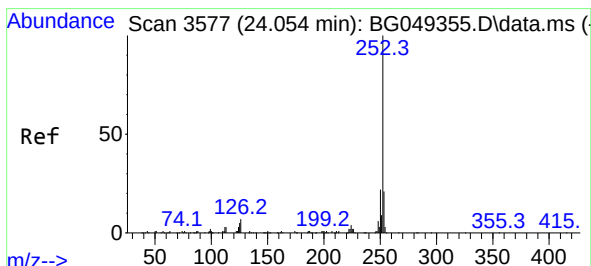
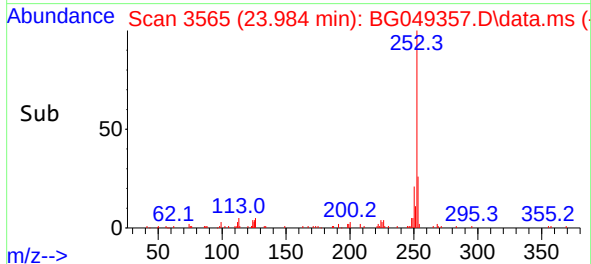
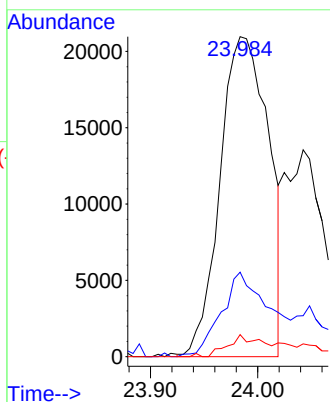
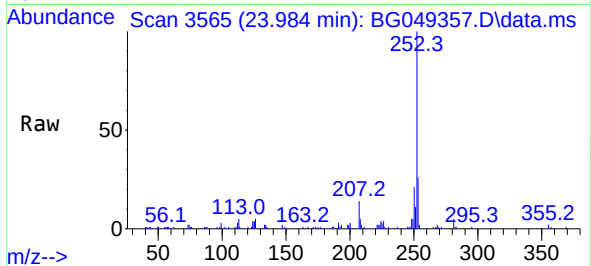
#90
Benzo(b)fluoranthene
Concen: 5.132 ng/ul m
RT: 23.984 min Scan# 3565
Delta R.T. -0.021 min
Lab File: BG049357.D
Acq: 15 Jul 2021 11:15

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BNA_G
ClientSampled :
BGEA2

Tgt Ion:252 Resp: 65974
Ion Ratio Lower Upper
252 100
253 26.4 17.6 26.4#
125 3.6 4.8 7.2#

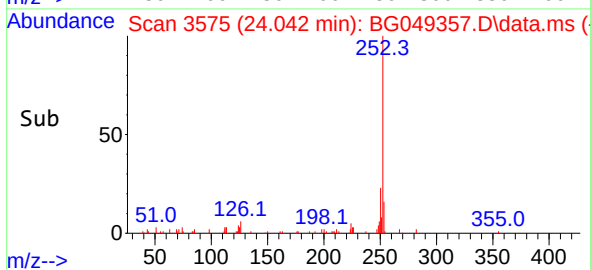
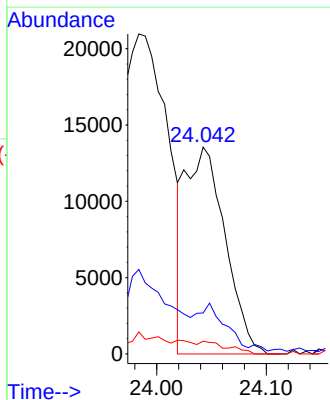
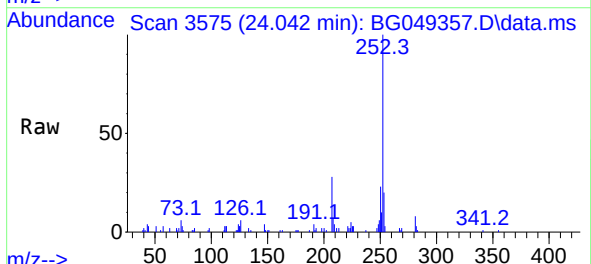
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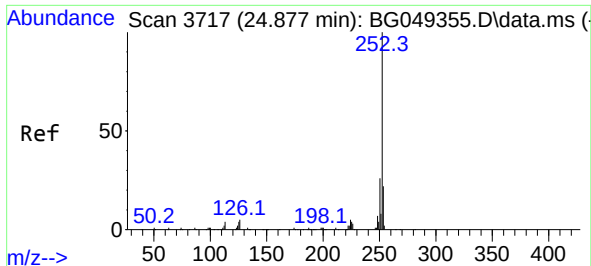
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#91
Benzo(k)fluoranthene
Concen: 2.728 ng/ul m
RT: 24.042 min Scan# 3575
Delta R.T. -0.027 min
Lab File: BG049357.D
Acq: 15 Jul 2021 11:15

Tgt Ion:252 Resp: 34201
Ion Ratio Lower Upper
252 100
253 19.8 16.2 24.2
125 3.4 3.7 5.5#





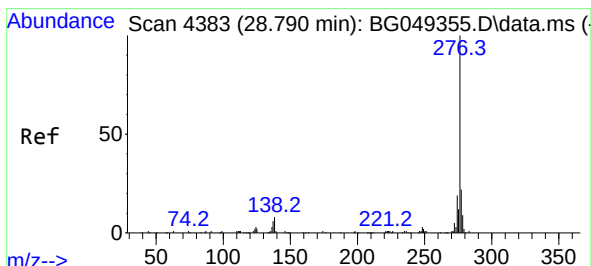
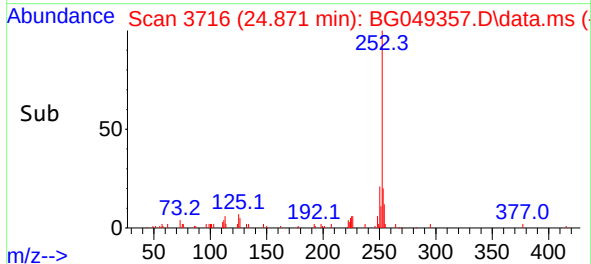
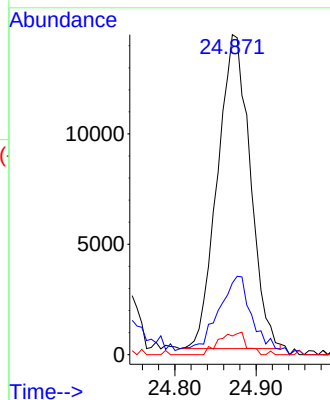
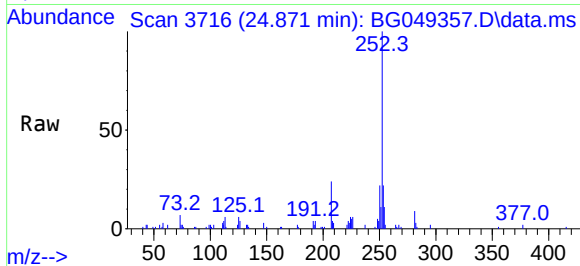
#93
Benzo(a)pyrene
Concen: 3.512 ng/ul
RT: 24.871 min Scan# 3716
Delta R.T. -0.021 min
Lab File: BG049357.D
Acq: 15 Jul 2021 11:15

Tgt Ion:	252	Resp:	39728
Ion Ratio	Lower	Upper	
252	100		
253	22.4	19.1	28.7
125	5.8	4.6	7.0

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#94
Indeno(1,2,3-cd)pyrene
Concen: 1.890 ng/ul m
RT: 28.784 min Scan# 4382
Delta R.T. -0.033 min
Lab File: BG049357.D
Acq: 15 Jul 2021 11:15

Tgt Ion:	276	Resp:	27589
Ion Ratio	Lower	Upper	
276	100		
138	6.5	8.0	12.0#
277	21.8	17.7	26.5

