

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081524\
 Data File : BG062433.D
 Acq On : 16 Aug 2024 2:55
 Operator : MA/JU
 Sample : P3481-07DL 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E0AE9DL

Manual Integrations
 APPROVED

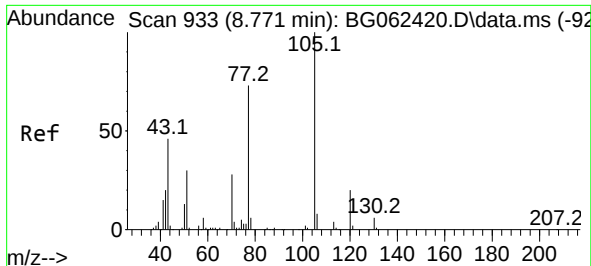
Reviewed By :Jagrut Upadhyay 08/16/2024
 Supervised By :mohammad ahmed 08/17/2024

Quant Time: Aug 16 04:13:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081424.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 15:31:21 2024
 Response via : Initial Calibration

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

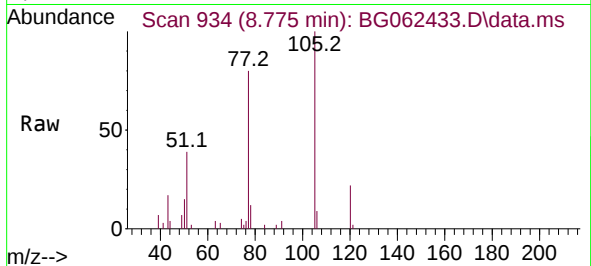
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	73931	20.000	ng/u1	0.00
20) Naphthalene-d8	10.748	136	350956	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.573	164	255533	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.316	188	537677	20.000	ng/u1	0.00
79) Chrysene-d12	21.557	240	517879	20.000	ng/u1	0.00
88) Perylene-d12	24.647	264	607708	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.423	96	1212	0.622	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.112	99	29769	4.048	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.282	67	19711	4.255	ng/u1	0.00
11) 2-Chlorophenol-d4	7.488	132	23114	4.601	ng/u1	0.00
15) 4-Methylphenol-d8	8.651	113	24770	4.018	ng/u1	0.00
21) Nitrobenzene-d5	9.104	128	11447	5.086	ng/u1	0.00
24) 2-Nitrophenol-d4	9.832	143	12417	5.546	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.367	165	24727	4.336	ng/u1	0.00
31) 4-Chloroaniline-d4	10.878	131	63490	7.021	ng/u1	0.00
46) Dimethylphthalate-d6	13.979	166	90843	4.570	ng/u1	0.00
49) Acenaphthylene-d8	14.267	160	101866	4.629	ng/u1	0.00
54) 4-Nitrophenol-d4	14.755	143	9454m	2.982	ng/u1	0.00
60) Fluorene-d10	15.565	176	86687	4.835	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.677	200	7453	3.051	ng/u1	0.00
73) Anthracene-d10	17.410	188	127434	4.934	ng/u1	0.00
81) Pyrene-d10	19.695	212	144124	4.752	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.430	264	116683	3.618	ng/u1	-0.01
Target Compounds					Qvalue	
16) Acetophenone	8.775	105	16076	1.592	ng/u1	97
30) Naphthalene	10.801	128	50396	2.476	ng/u1	98
36) 2-Methylnaphthalene	12.405	142	159214	11.076	ng/u1	99
37) 1-Methylnaphthalene	12.622	142	96095	6.552	ng/u1	100
52) Acenaphthene	14.637	153	222600	12.623	ng/u1	97
56) Dibenzofuran	14.972	168	113063	4.558	ng/u1	96
61) Fluorene	15.618	166	192383	9.839	ng/u1	99
72) Phenanthrene	17.357	178	1443522	47.779	ng/u1	99
74) Anthracene	17.445	178	482233	15.581	ng/u1	99
80) Fluoranthene	19.366	202	1341593	39.595	ng/u1	99
82) Pyrene	19.724	202	1120940	30.694	ng/u1	99
85) Benzo(a)anthracene	21.540	228	649102m	17.268	ng/u1	
87) Chrysene	21.604	228	476603	13.374	ng/u1	98
90) Benzo(b)fluoranthene	23.678	252	568610	15.489	ng/u1	97
91) Benzo(k)fluoranthene	23.731	252	201595m	5.440	ng/u1	
93) Benzo(a)pyrene	24.500	252	317541	9.175	ng/u1	100
94) Indeno(1,2,3-cd)pyrene	28.125	276	220235	5.007	ng/u1#	96
95) Dibenzo(a,h)anthracene	28.184	278	72065m	2.021	ng/u1	

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



#16
Acetophenone
Concen: 1.592 ng/ul
RT: 8.775 min Scan# 91
Delta R.T. -0.001 min
Lab File: BG062433.D
Acq: 16 Aug 2024 2:55

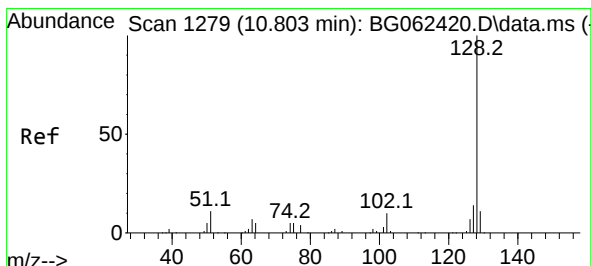
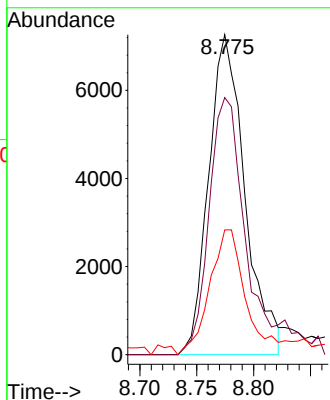
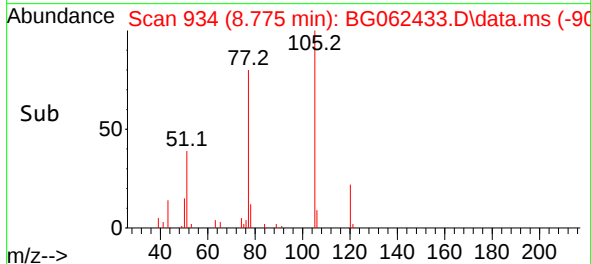
Instrument :
BNA_G
ClientSampleId :
E0AE9DL



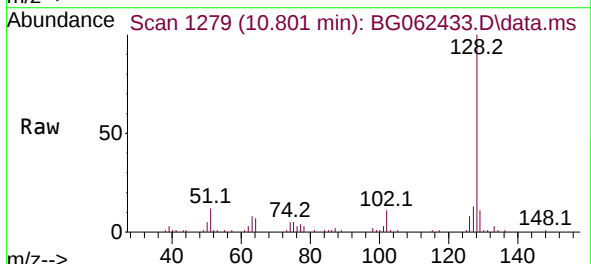
Tgt Ion:105 Resp: 16070
Ion Ratio Lower Upper
105 100
77 80.3 64.6 97.0
51 39.0 27.8 41.8

Manual Integrations
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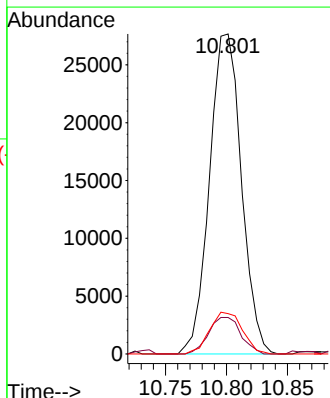
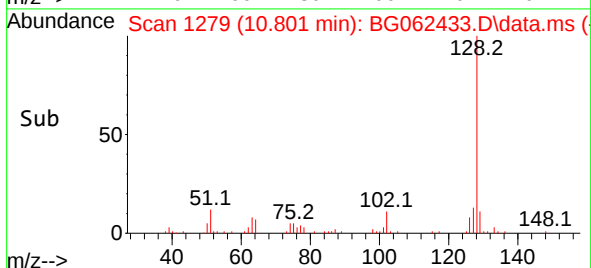
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

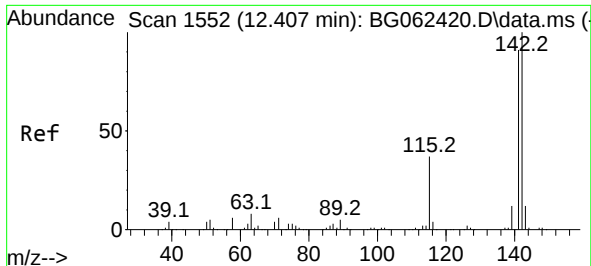


#30
Naphthalene
Concen: 2.476 ng/ul
RT: 10.801 min Scan# 1279
Delta R.T. -0.001 min
Lab File: BG062433.D
Acq: 16 Aug 2024 2:55



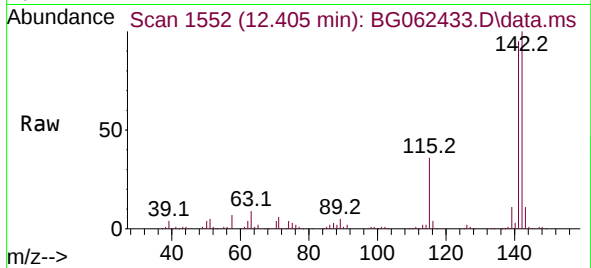
Tgt Ion:128 Resp: 50396
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 12.6 10.8 16.2





#36
2-Methylnaphthalene
Concen: 11.076 ng/ul
RT: 12.405 min Scan# 1552
Delta R.T. -0.001 min
Lab File: BG062433.D
Acq: 16 Aug 2024 2:55

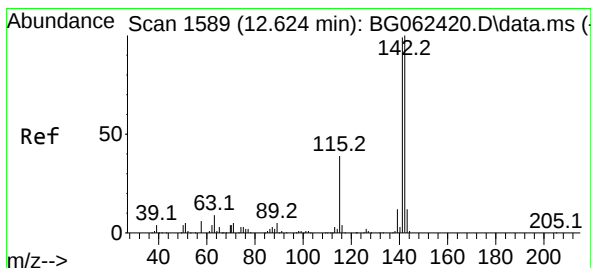
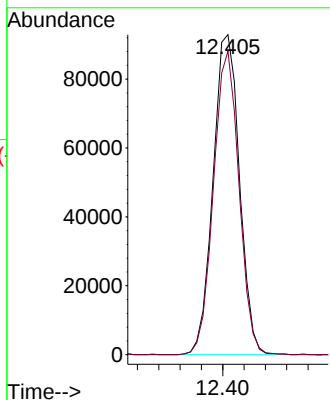
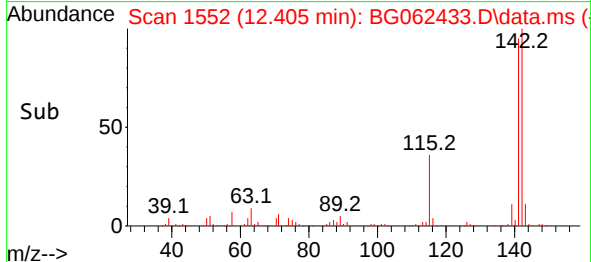
Instrument :
BNA_G
ClientSampleId :
E0AE9DL



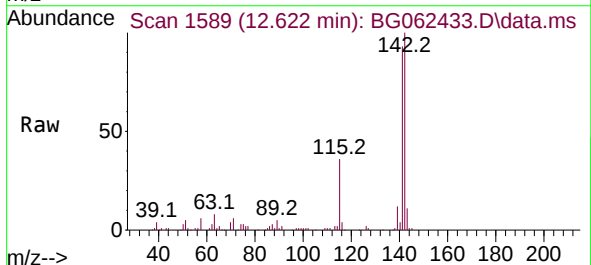
Tgt Ion:142 Resp: 159214
Ion Ratio Lower Upper
142 100
141 94.9 75.0 112.4

Manual Integrations
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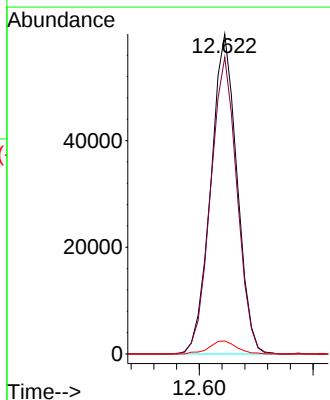
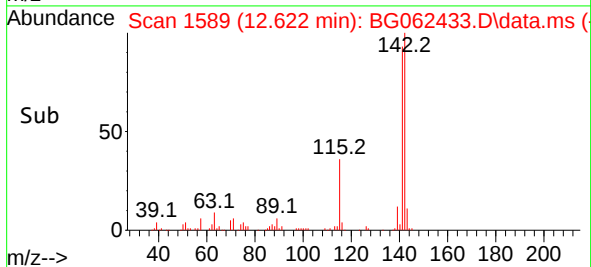
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

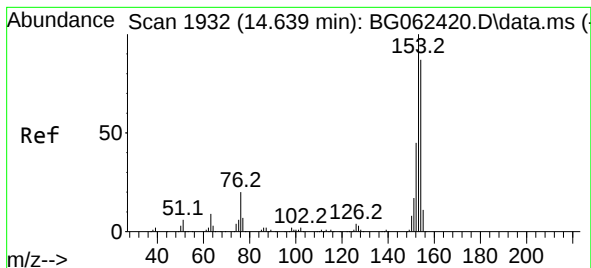


#37
1-Methylnaphthalene
Concen: 6.552 ng/ul
RT: 12.622 min Scan# 1589
Delta R.T. -0.007 min
Lab File: BG062433.D
Acq: 16 Aug 2024 2:55



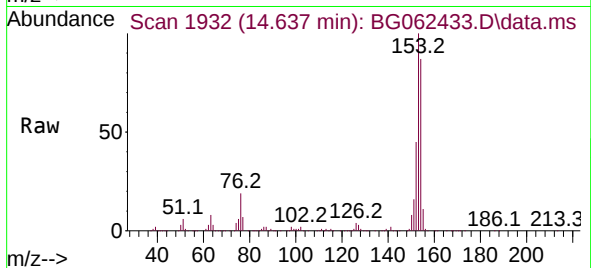
Tgt Ion:142 Resp: 96095
Ion Ratio Lower Upper
142 100
141 92.8 74.3 111.5
116 4.0 3.2 4.8





#52
Acenaphthene
Concen: 12.623 ng/u1
RT: 14.637 min Scan# 1932
Delta R.T. -0.007 min
Lab File: BG062433.D
Acq: 16 Aug 2024 2:55

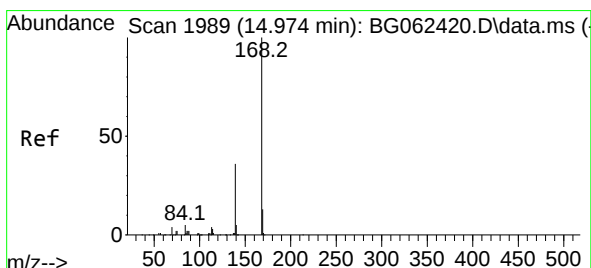
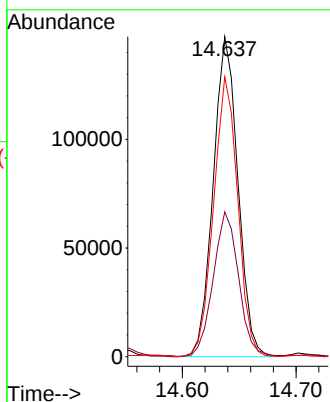
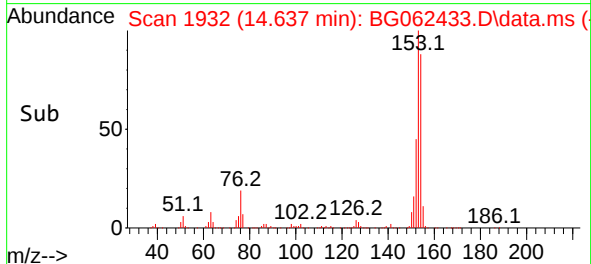
Instrument :
BNA_G
ClientSampleId :
E0AE9DL



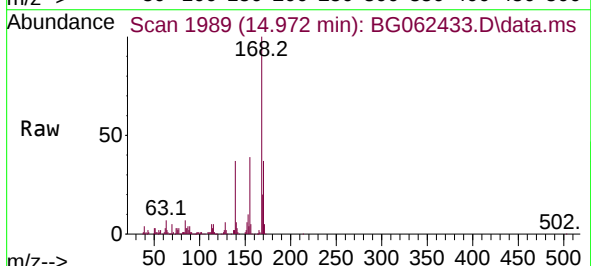
Tgt Ion:153 Resp: 222600
Ion Ratio Lower Upper
153 100
152 45.2 35.7 53.5
154 87.5 66.7 100.1

Manual Integrations
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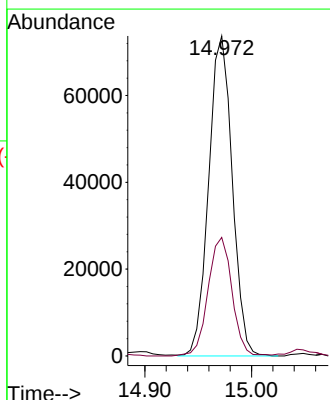
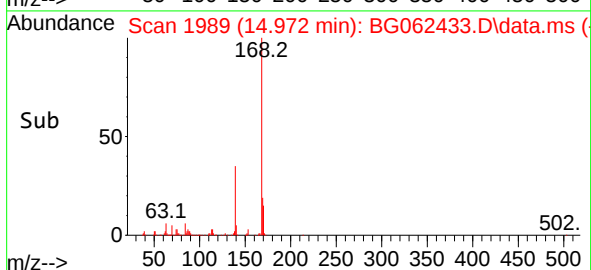
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

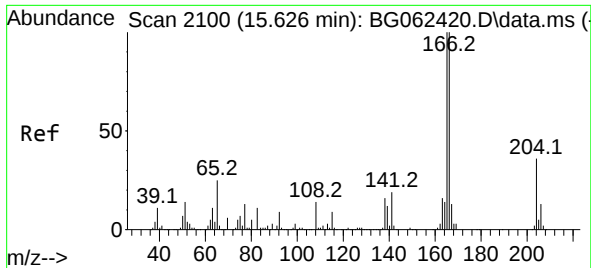


#56
Dibenzofuran
Concen: 4.558 ng/u1
RT: 14.972 min Scan# 1989
Delta R.T. -0.007 min
Lab File: BG062433.D
Acq: 16 Aug 2024 2:55



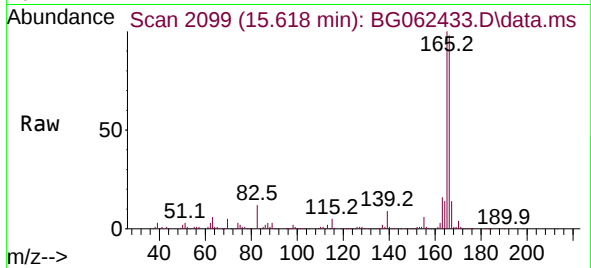
Tgt Ion:168 Resp: 113063
Ion Ratio Lower Upper
168 100
139 37.0 27.8 41.6





#61
Fluorene
Concen: 9.839 ng/u1
RT: 15.618 min Scan# 2099
Delta R.T. -0.007 min
Lab File: BG062433.D
Acq: 16 Aug 2024 2:55

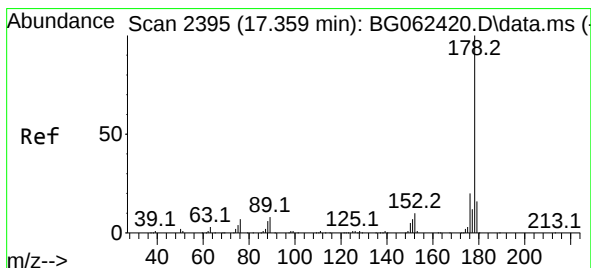
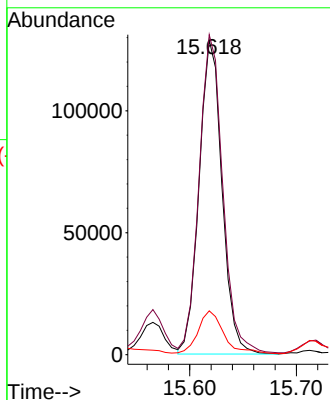
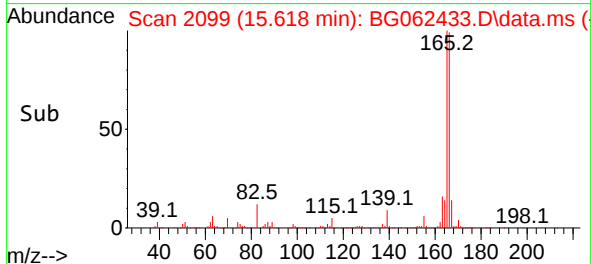
Instrument :
BNA_G
ClientSampleId :
E0AE9DL



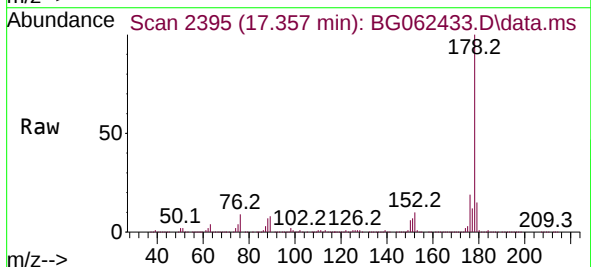
Tgt Ion:166 Resp: 19238
Ion Ratio Lower Upper
166 100
165 101.7 81.0 121.6
167 13.9 10.6 16.0

Manual Integrations
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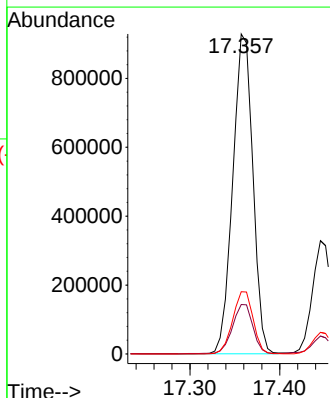
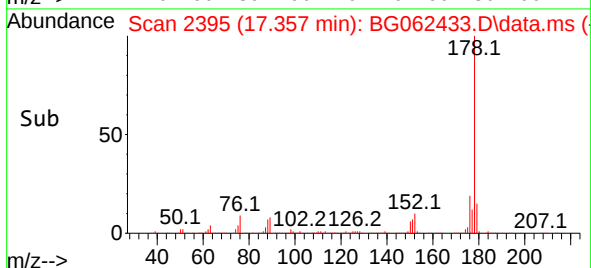
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

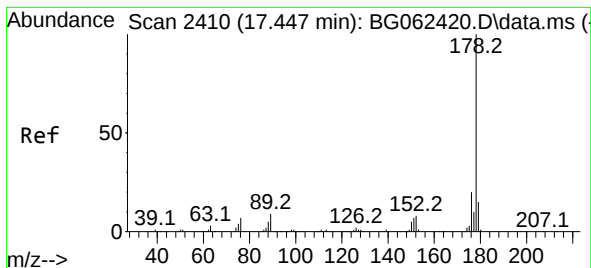


#72
Phenanthrene
Concen: 47.779 ng/u1
RT: 17.357 min Scan# 2395
Delta R.T. -0.007 min
Lab File: BG062433.D
Acq: 16 Aug 2024 2:55



Tgt Ion:178 Resp: 1443522
Ion Ratio Lower Upper
178 100
179 15.4 12.4 18.6
176 19.4 15.2 22.8





#74

Anthracene

Concen: 15.581 ng/ul

RT: 17.445 min Scan# 2410

Delta R.T. -0.007 min

Lab File: BG062433.D

Acq: 16 Aug 2024 2:55

Instrument :

BNA_G

ClientSampleId :

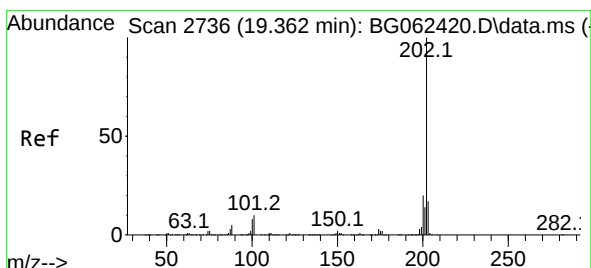
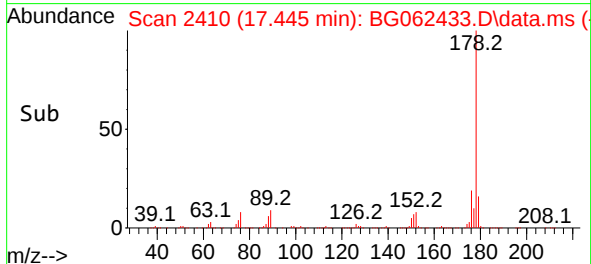
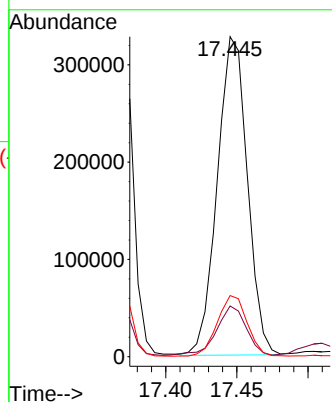
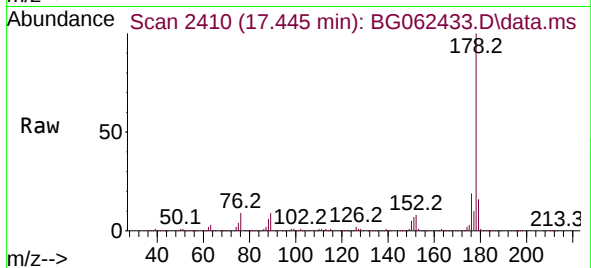
E0AE9DL

Tgt Ion:178 Resp: 482233
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.2 18.2
 176 19.1 14.9 22.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/16/2024
 Supervised By :mohammad ahmed 08/17/2024



#80

Fluoranthene

Concen: 39.595 ng/ul

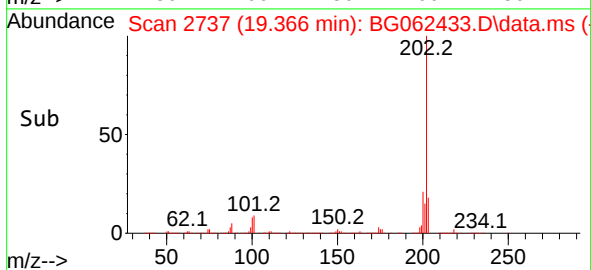
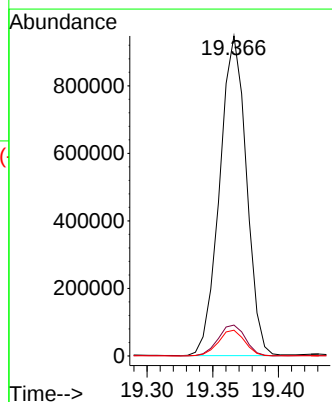
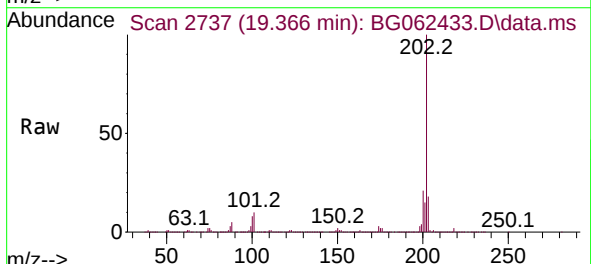
RT: 19.366 min Scan# 2737

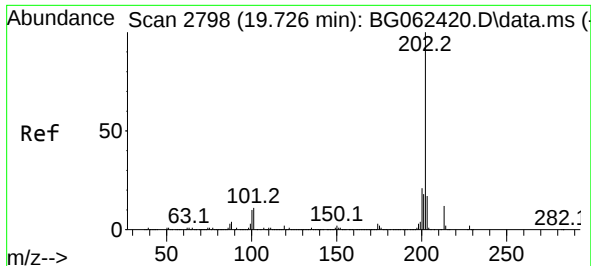
Delta R.T. -0.001 min

Lab File: BG062433.D

Acq: 16 Aug 2024 2:55

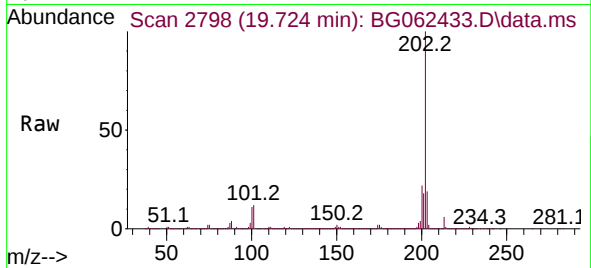
Tgt Ion:202 Resp: 1341593
 Ion Ratio Lower Upper
 202 100
 101 9.7 7.6 11.4
 100 8.1 6.2 9.2





#82
Pyrene
Concen: 30.694 ng/ul
RT: 19.724 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG062433.D
Acq: 16 Aug 2024 2:55

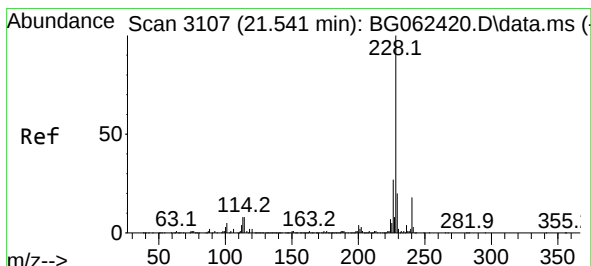
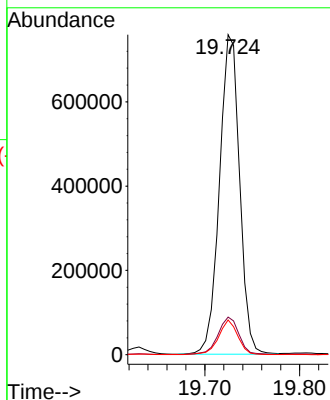
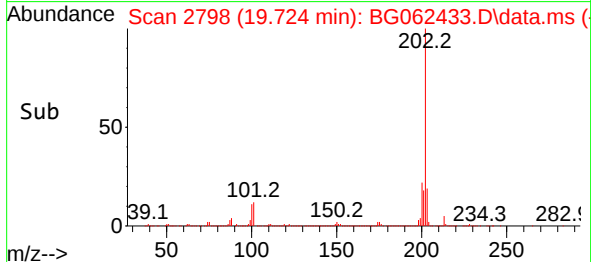
Instrument :
BNA_G
ClientSampleId :
E0AE9DL



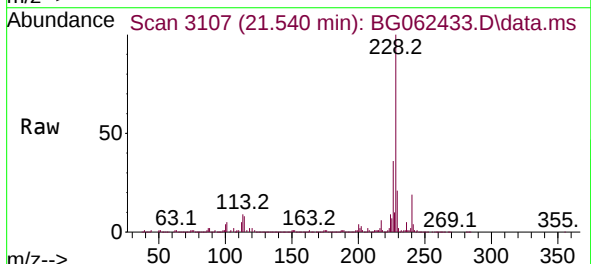
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Ion Ratio Lower Upper
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101 11.7 9.0 13.6
100 10.9 8.2 12.4

Manual Integrations
APPROVED

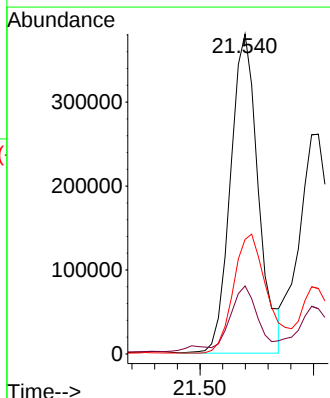
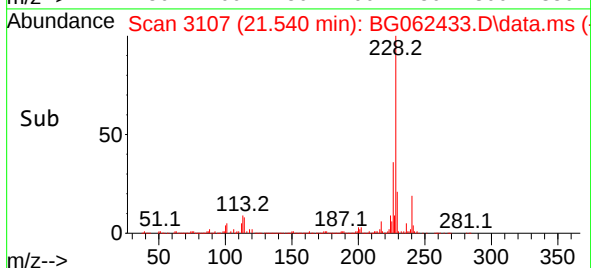
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

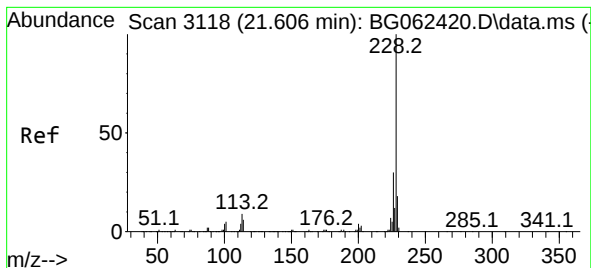


#85
Benzo(a)anthracene
Concen: 17.268 ng/ul m
RT: 21.540 min Scan# 3107
Delta R.T. -0.007 min
Lab File: BG062433.D
Acq: 16 Aug 2024 2:55



Tgt Ion:228 Resp: 649102
Ion Ratio Lower Upper
228 100
229 21.3 16.2 24.4
226 35.8 21.5 32.3#





#87

Chrysene

Concen: 13.374 ng/ul

RT: 21.604 min Scan# 3118

Delta R.T. -0.007 min

Lab File: BG062433.D

Acq: 16 Aug 2024 2:55

Instrument :

BNA_G

ClientSampleId :

E0AE9DL

Tgt Ion:228 Resp: 476600

Ion Ratio Lower Upper

228 100

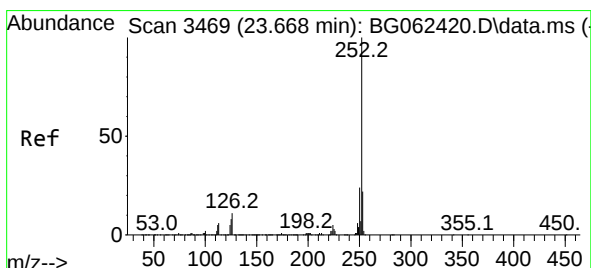
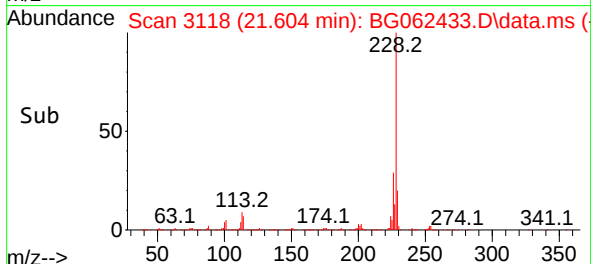
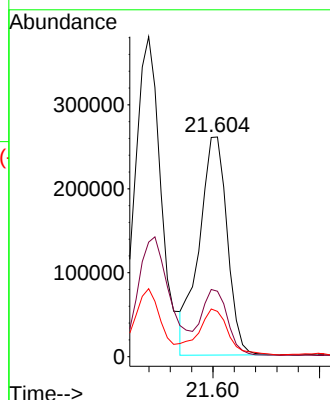
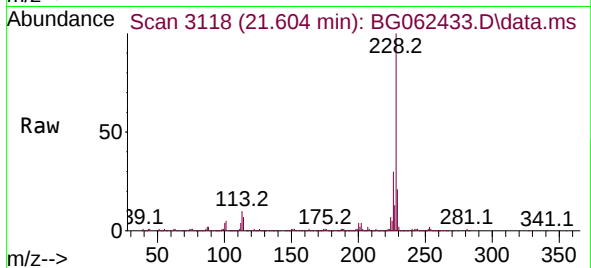
226 29.8 23.4 35.2

229 20.6 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#90

Benzo(b)fluoranthene

Concen: 15.489 ng/ul

RT: 23.678 min Scan# 3471

Delta R.T. -0.001 min

Lab File: BG062433.D

Acq: 16 Aug 2024 2:55

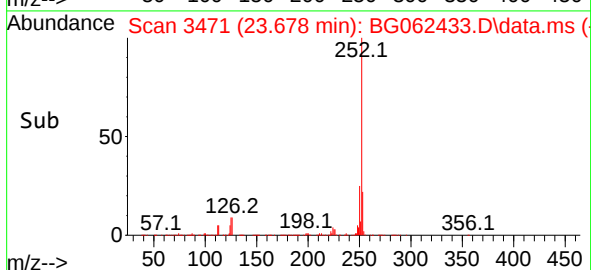
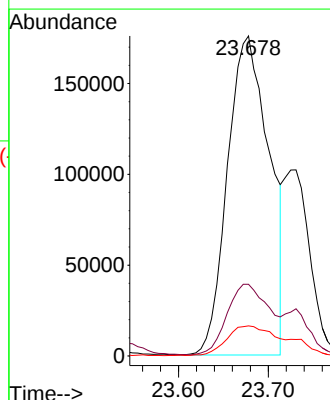
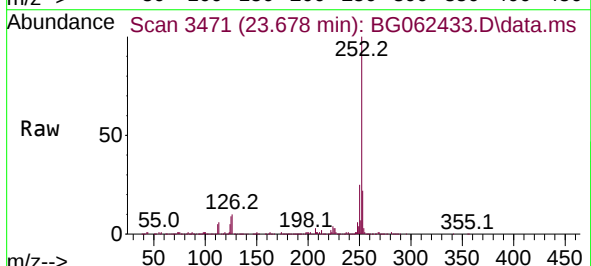
Tgt Ion:252 Resp: 568610

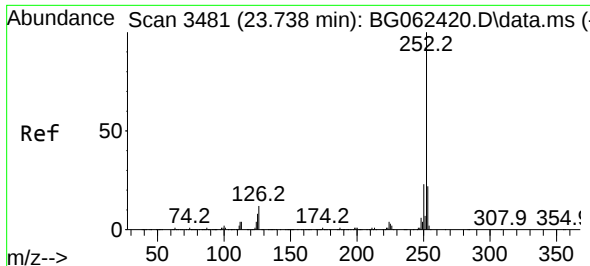
Ion Ratio Lower Upper

252 100

253 22.4 16.9 25.3

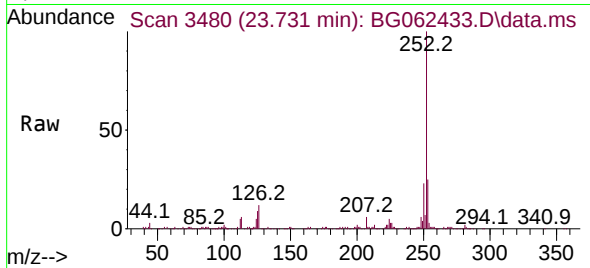
125 9.4 7.0 10.4





#91
Benzo(k)fluoranthene
Concen: 5.440 ng/ul m
RT: 23.731 min Scan# 3481
Delta R.T. -0.013 min
Lab File: BG062433.D
Acq: 16 Aug 2024 2:55

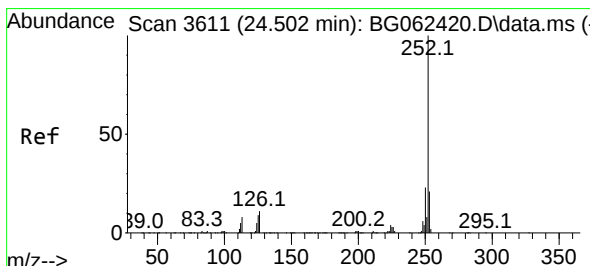
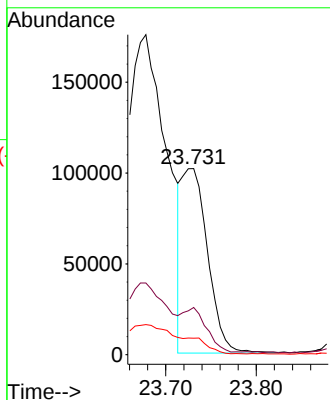
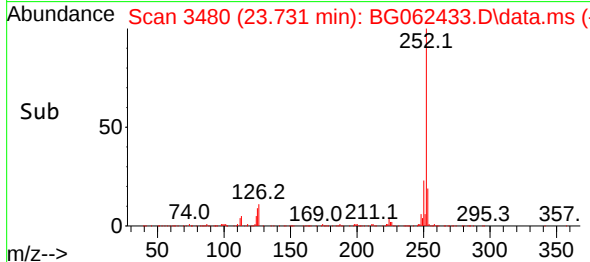
Instrument :
BNA_G
ClientSampleId :
E0AE9DL



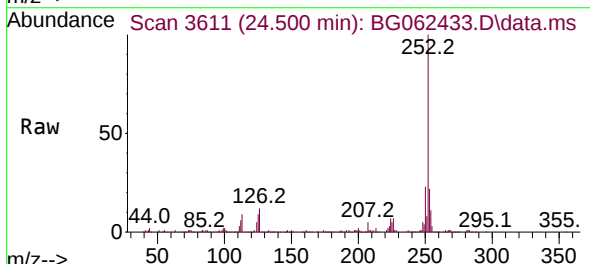
Tgt Ion:252 Resp: 20159
Ion Ratio Lower Upper
252 100
253 25.4 17.2 25.8
125 8.9 6.8 10.2

Manual Integrations
APPROVED

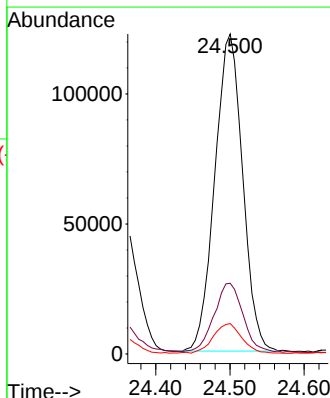
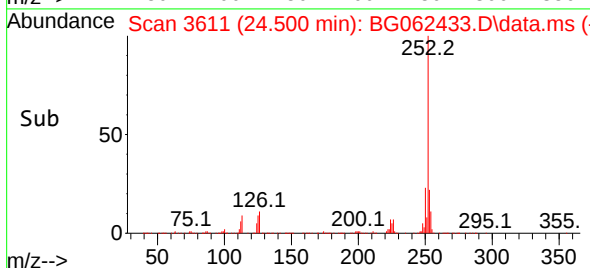
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

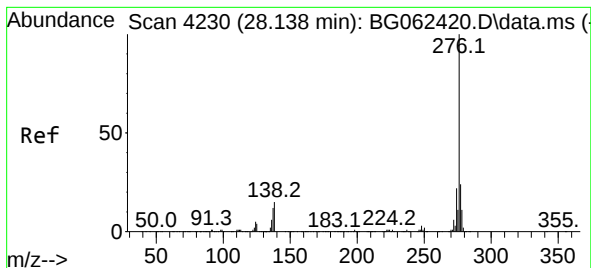


#93
Benzo(a)pyrene
Concen: 9.175 ng/ul
RT: 24.500 min Scan# 3611
Delta R.T. -0.007 min
Lab File: BG062433.D
Acq: 16 Aug 2024 2:55



Tgt Ion:252 Resp: 317541
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 9.5 7.6 11.4





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.007 ng/ul

RT: 28.125 min Scan# 41

Delta R.T. -0.024 min

Lab File: BG062433.D

Acq: 16 Aug 2024 2:55

Instrument :

BNA_G

ClientSampleId :

E0AE9DL

Tgt Ion:276 Resp: 22023

Ion Ratio Lower Upper

276 100

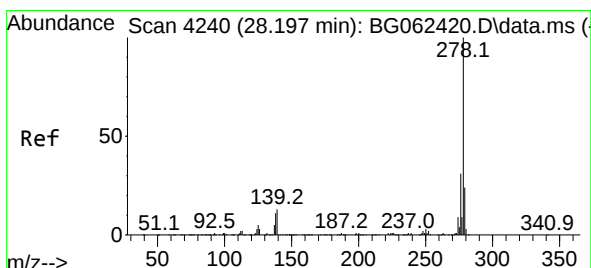
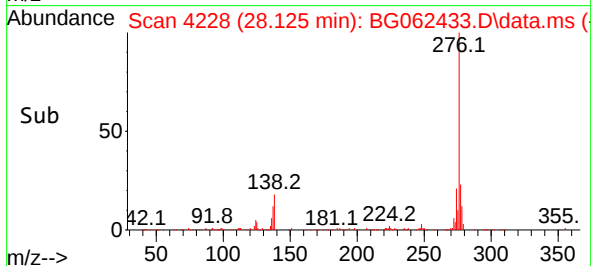
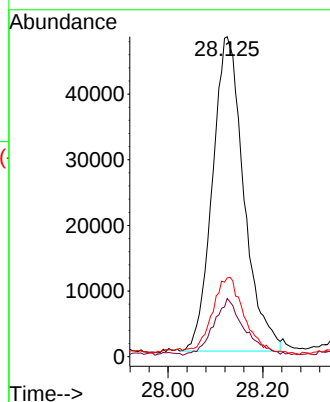
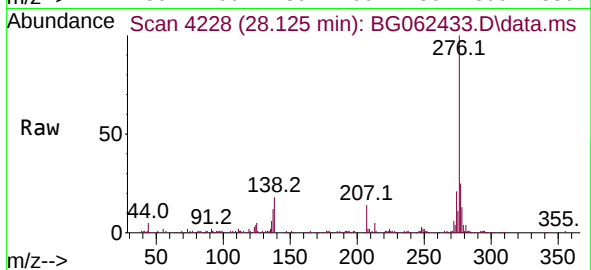
138 18.2 11.8 17.8

277 24.6 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#95

Dibenzo(a,h)anthracene

Concen: 2.021 ng/ul m

RT: 28.184 min Scan# 4238

Delta R.T. -0.024 min

Lab File: BG062433.D

Acq: 16 Aug 2024 2:55

Tgt Ion:278 Resp: 72065

Ion Ratio Lower Upper

278 100

139 13.3 9.8 14.6

279 25.4 18.7 28.1

