

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053123\
 Data File : BG057632.D
 Acq On : 31 May 2023 22:11
 Operator : CG/JU
 Sample : 02979-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR044-VNJ224

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/01/2023
 Supervised By :mohammad ahmed 06/01/2023

Quant Time: Jun 01 03:58:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 03:51:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.337	152	33902	20.000	ng	0.00
21) Naphthalene-d8	11.174	136	133734	20.000	ng	0.00
39) Acenaphthene-d10	14.952	164	84750	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	182299	20.000	ng	0.00
76) Chrysene-d12	21.995	240	152068	20.000	ng	0.00
86) Perylene-d12	25.490	264	155606	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.858	112	194083	99.458	ng	0.00
7) Phenol-d6	7.491	99	275816	90.315	ng	0.00
23) Nitrobenzene-d5	9.518	82	184306	64.423	ng	0.00
42) 2,4,6-Tribromophenol	16.438	330	106356	78.383	ng	0.00
45) 2-Fluorobiphenyl	13.577	172	417468	70.791	ng	0.00
79) Terphenyl-d14	20.262	244	595768	67.865	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.736	178	69834	7.486	ng	99
75) Fluoranthene	19.728	202	188948	15.602	ng	98
78) Pyrene	20.086	202	172957	15.974	ng	97
80) Butylbenzylphthalate	20.932	149	20058	5.087	ng	95
81) Benzo(a)anthracene	21.977	228	96233	9.122	ng	97
83) Chrysene	22.042	228	101605m	10.191	ng	
84) Bis(2-ethylhexyl)phtha...	21.813	149	17096	3.039	ng	98
87) Indeno(1,2,3-cd)pyrene	29.532	276	51300	4.729	ng	# 82
88) Benzo(b)fluoranthene	24.368	252	142370	14.864	ng	95
89) Benzo(k)fluoranthene	24.439	252	48148m	4.981	ng	
90) Benzo(a)pyrene	25.326	252	91388	9.784	ng	# 95
92) Benzo(g,h,i)perylene	30.807	276	46876m	5.323	ng	

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

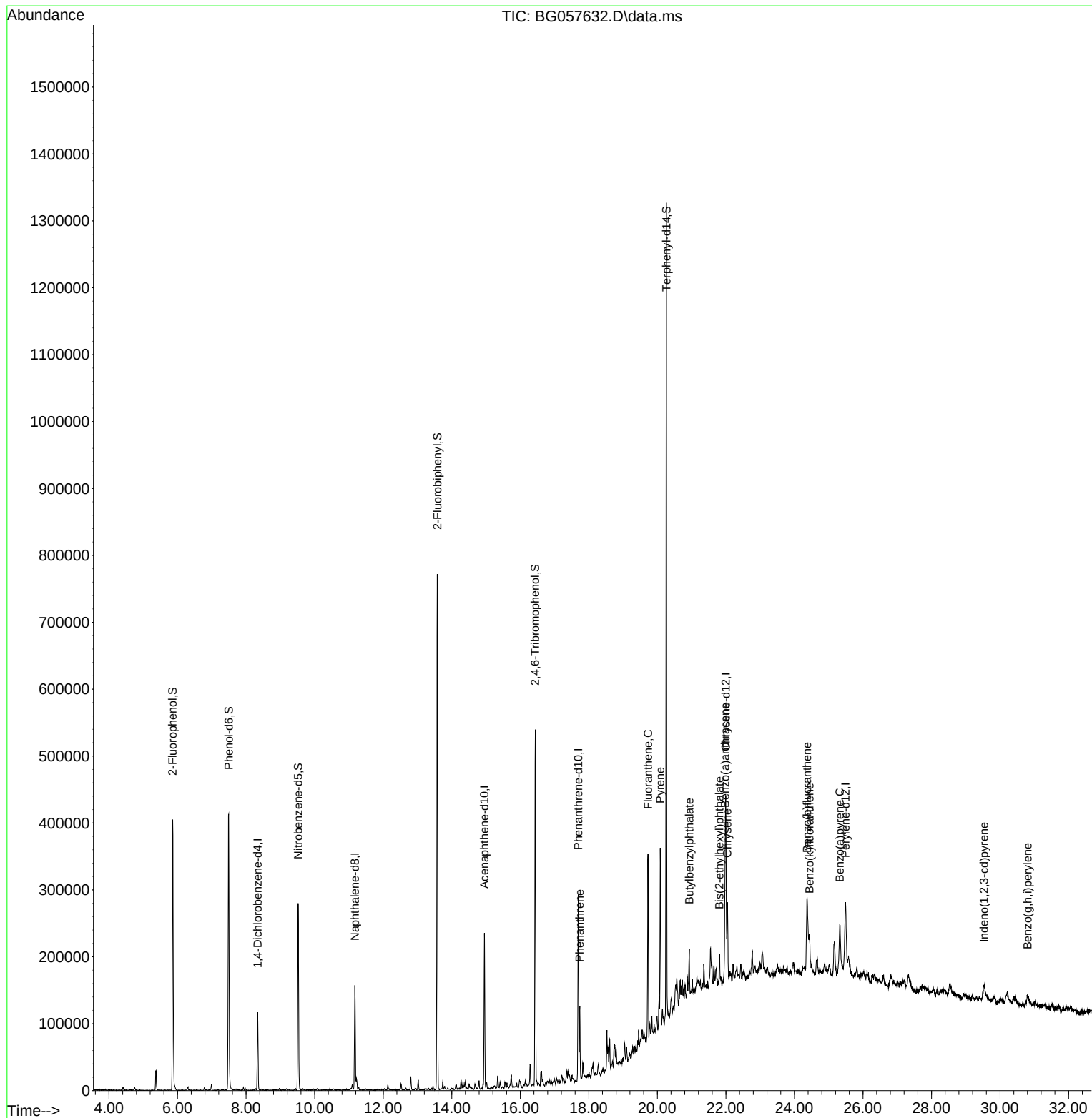
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053123\
Data File : BG057632.D
Acq On : 31 May 2023 22:11
Operator : CG/JU
Sample : 02979-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

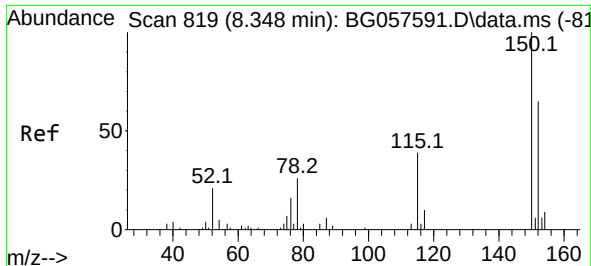
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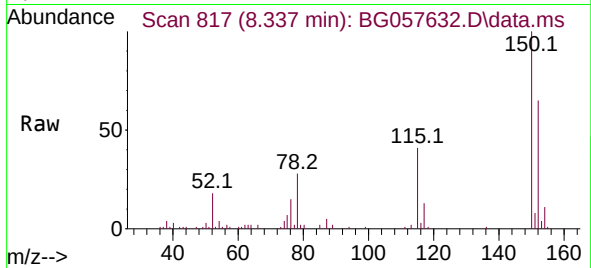
Quant Time: Jun 01 03:58:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 01 03:51:58 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.337 min Scan# 819
Delta R.T. 0.003 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

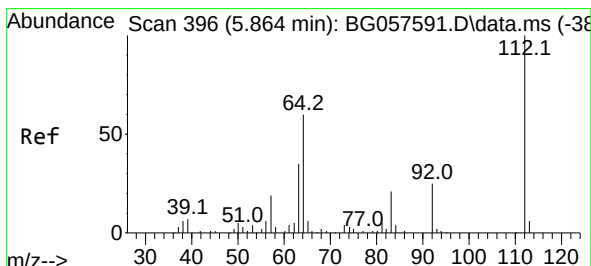
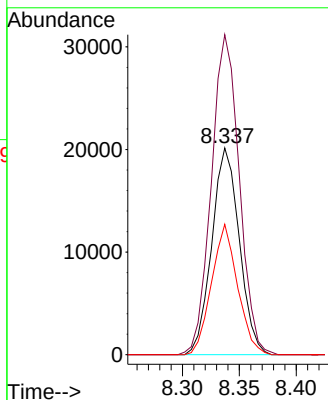
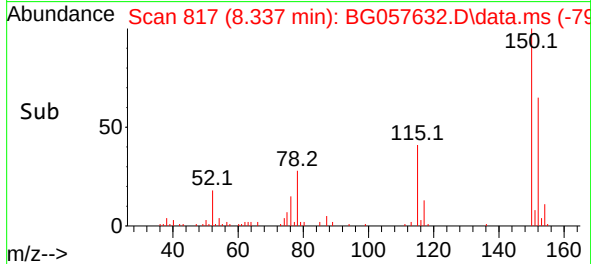
Instrument :
BNA_G
ClientSampleId :
RBR044-VNJ224



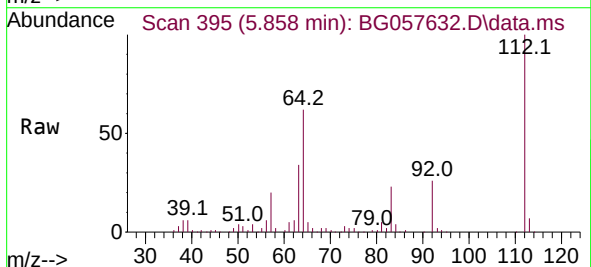
Tgt Ion:152 Resp: 3390
Ion Ratio Lower Upper
152 100
150 154.8 123.0 184.4
115 63.1 47.4 71.2

Manual Integrations
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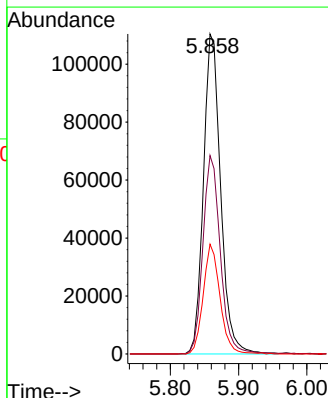
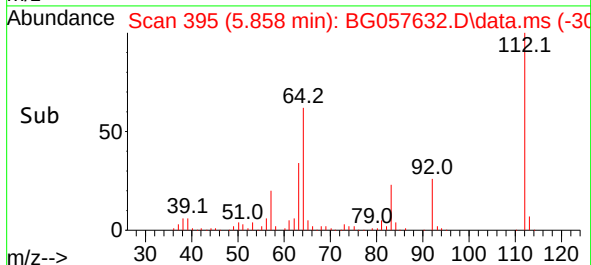
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

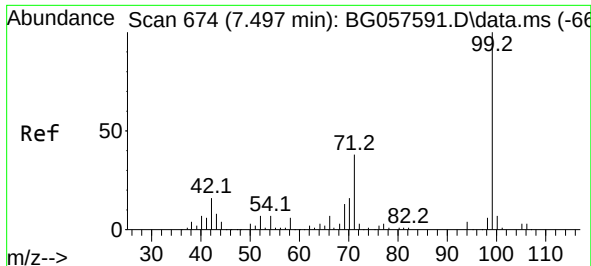


#5
2-Fluorophenol
Concen: 99.458 ng
RT: 5.858 min Scan# 395
Delta R.T. 0.003 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11



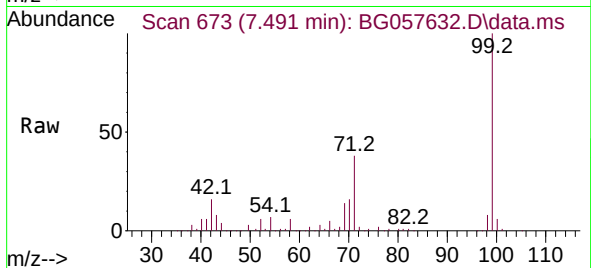
Tgt Ion:112 Resp: 194083
Ion Ratio Lower Upper
112 100
64 62.0 47.8 71.6
63 34.3 27.8 41.8





#7
Phenol-d6
Concen: 90.315 ng
RT: 7.491 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

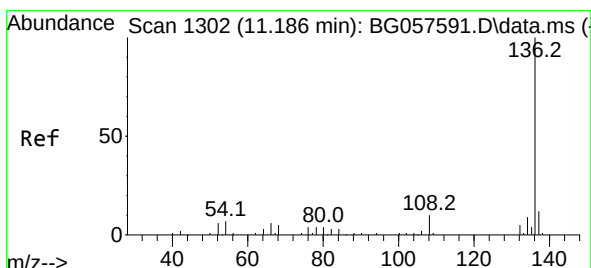
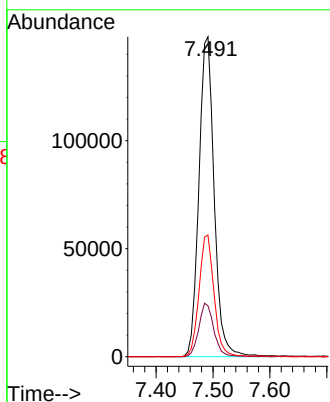
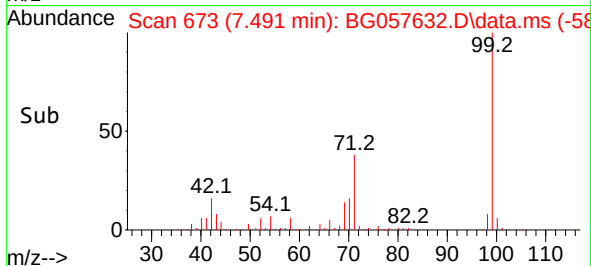
Instrument :
BNA_G
ClientSampleId :
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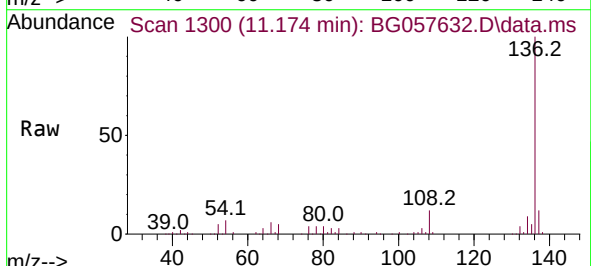
Tgt Ion: 99 Resp: 275810
Ion Ratio Lower Upper
99 100
42 15.9 12.8 19.2
71 38.0 30.3 45.5

Manual Integrations
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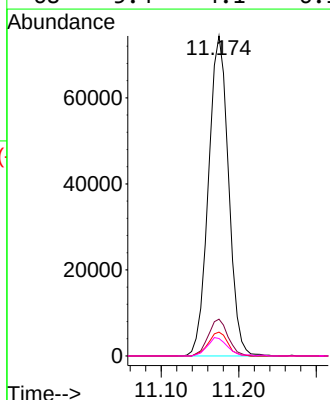
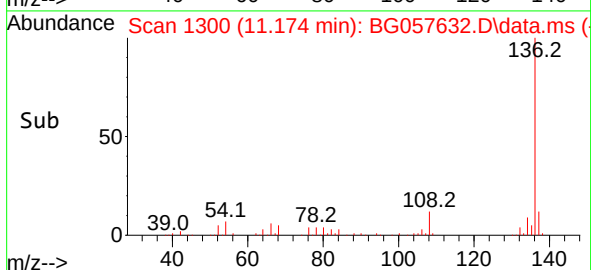
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

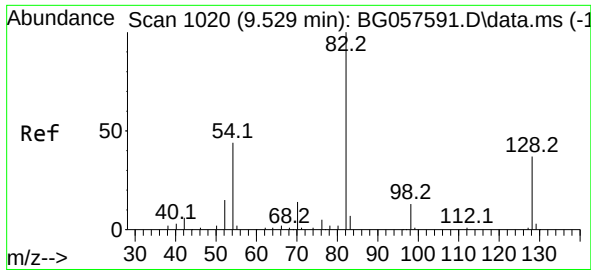


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.174 min Scan# 1300
Delta R.T. -0.002 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11



Tgt Ion:136 Resp: 133734
Ion Ratio Lower Upper
136 100
137 11.5 9.8 14.8
54 7.4 5.8 8.6
68 5.4 4.1 6.1





#23
Nitrobenzene-d5
Concen: 64.423 ng
RT: 9.518 min Scan# 1018
Delta R.T. -0.002 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

Instrument :

BNA_G

ClientSampleId :

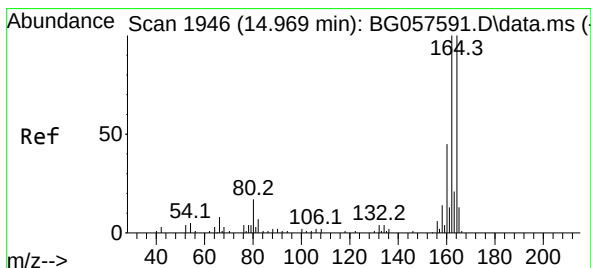
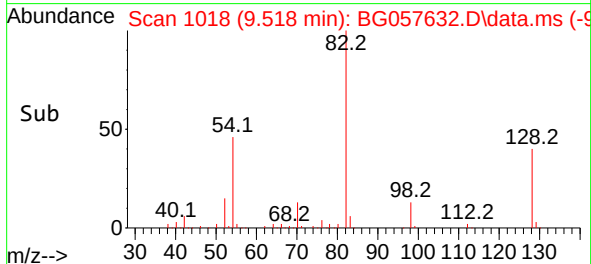
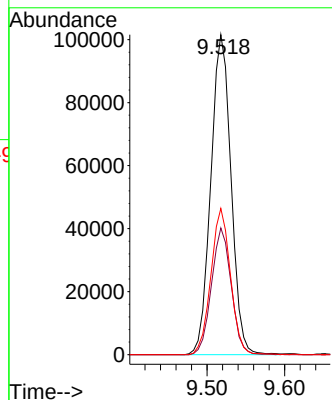
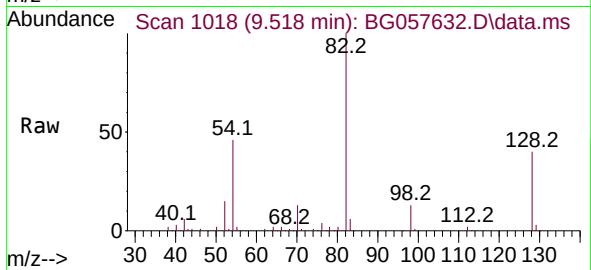
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Tgt Ion: 82 Resp: 184300
Ion Ratio Lower Upper
82 100
128 39.6 30.0 45.0
54 45.7 35.2 52.8

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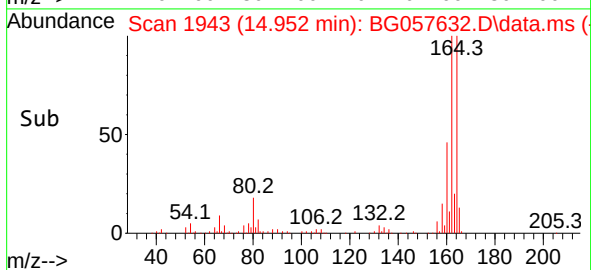
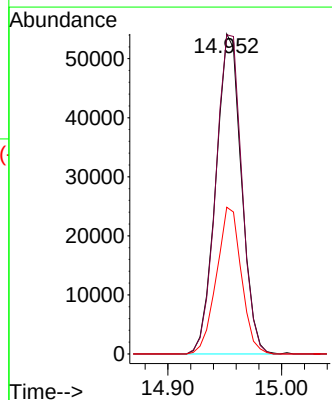
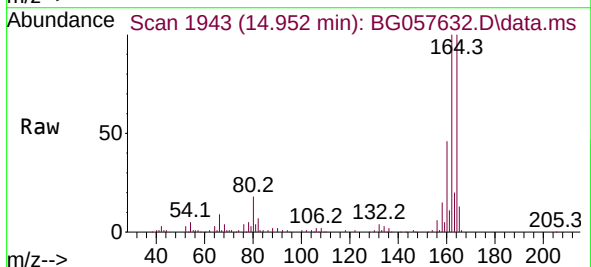
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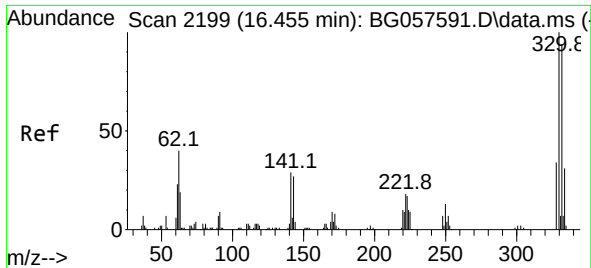
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.952 min Scan# 1943
Delta R.T. -0.008 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

Tgt Ion:164 Resp: 84750
Ion Ratio Lower Upper
164 100
162 99.8 80.1 120.1
160 45.9 35.9 53.9





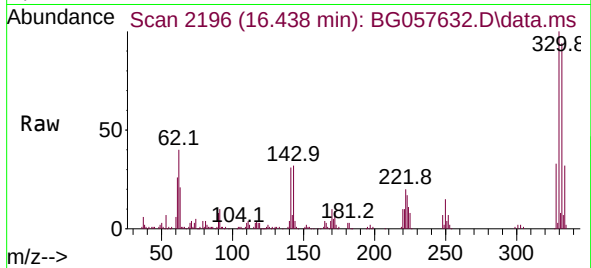
#42
2,4,6-Tribromophenol
Concen: 78.383 ng
RT: 16.438 min Scan# 2199
Delta R.T. -0.008 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

Instrument :

BNA_G

ClientSampleId :

RBR044-VNJ224

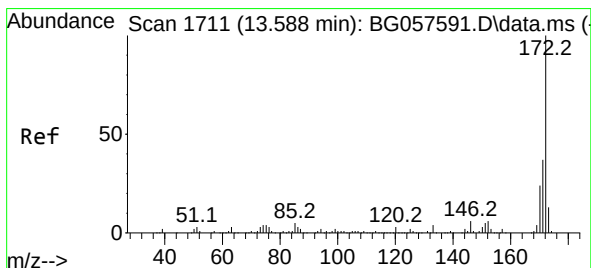
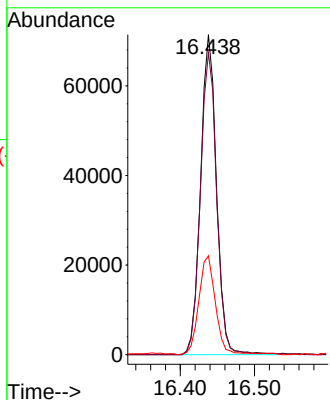
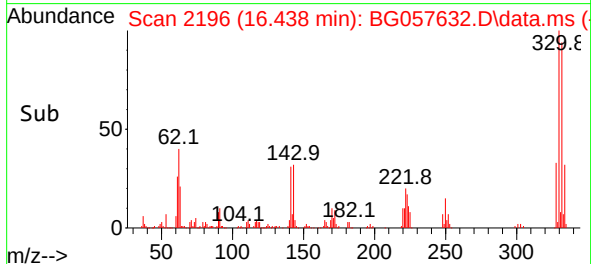


Tgt Ion:330 Resp: 106350
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 32.4 24.6 37.0

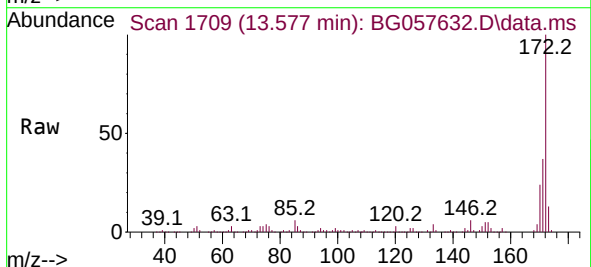
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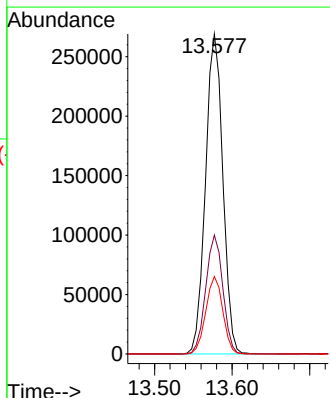
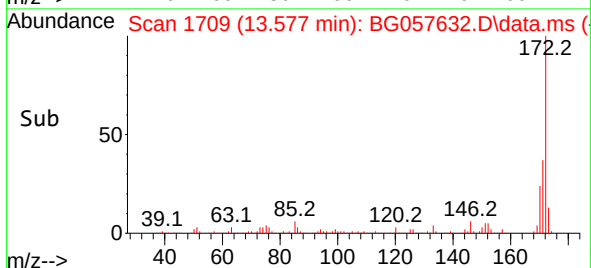
Reviewed By :Yogesh Patel 06/01/2023
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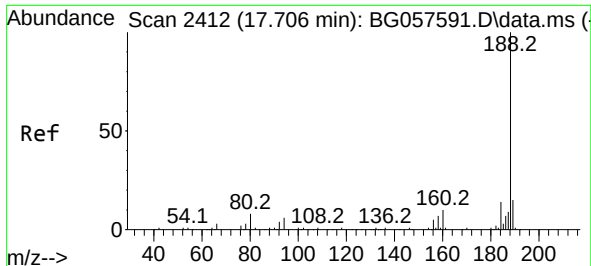


#45
2-Fluorobiphenyl
Concen: 70.791 ng
RT: 13.577 min Scan# 1709
Delta R.T. -0.002 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11



Tgt Ion:172 Resp: 417468
Ion Ratio Lower Upper
172 100
171 37.2 29.2 43.8
170 24.2 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.695 min Scan# 2410
Delta R.T. -0.002 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

Instrument :

BNA_G

ClientSampleId :

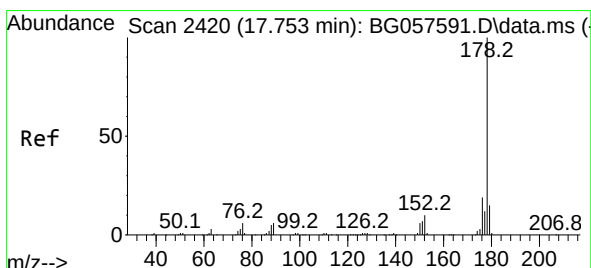
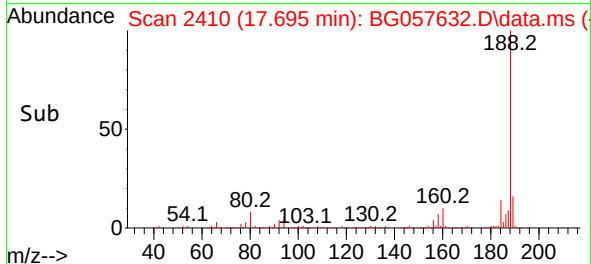
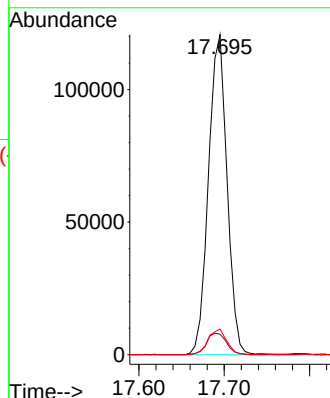
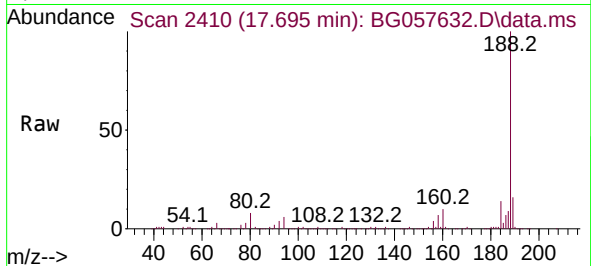
RBR044-VNJ224

Tgt Ion:188 Resp: 182295
Ion Ratio Lower Upper
188 100
94 6.4 5.2 7.8
80 8.0 6.7 10.1

Manual Integrations

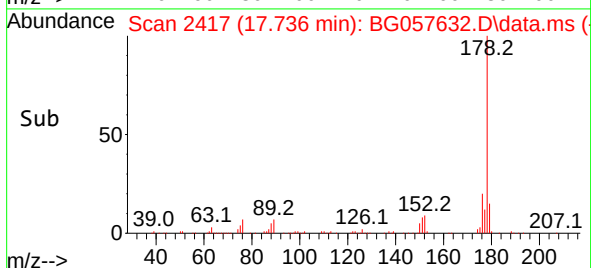
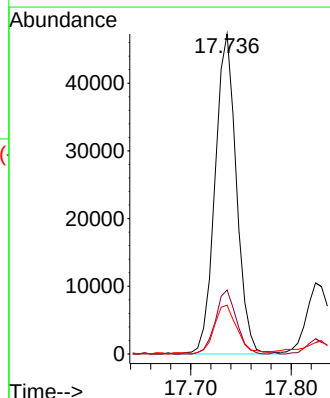
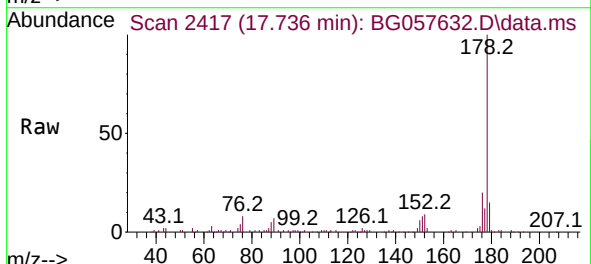
APPROVED

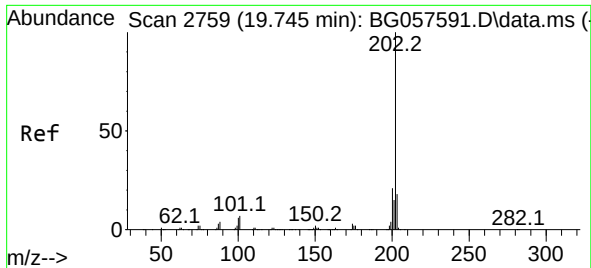
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#71
Phenanthrene
Concen: 7.486 ng
RT: 17.736 min Scan# 2417
Delta R.T. -0.008 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

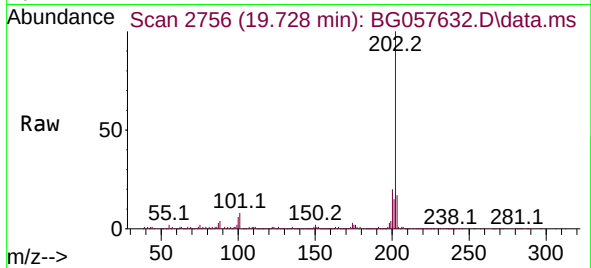
Tgt Ion:178 Resp: 69834
Ion Ratio Lower Upper
178 100
176 20.0 15.3 22.9
179 15.3 12.0 18.0





#75
Fluoranthene
Concen: 15.602 ng
RT: 19.728 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

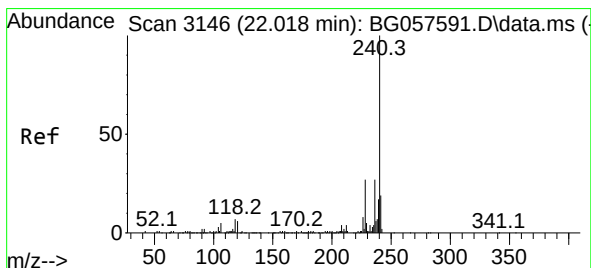
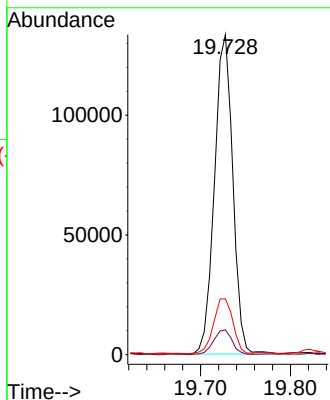
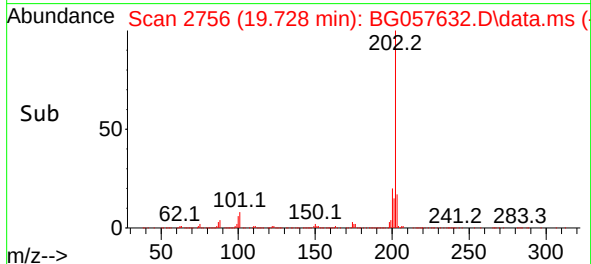
Instrument :
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RBR044-VNJ224



Tgt Ion:202 Resp: 18894
Ion Ratio Lower Upper
202 100
101 7.8 0.0 27.5
203 17.4 0.0 38.4

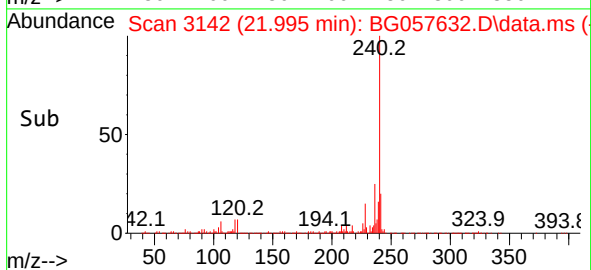
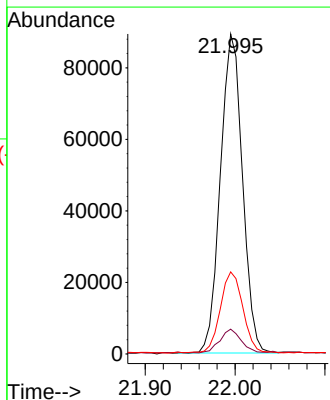
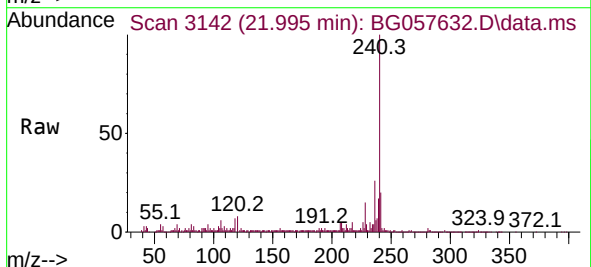
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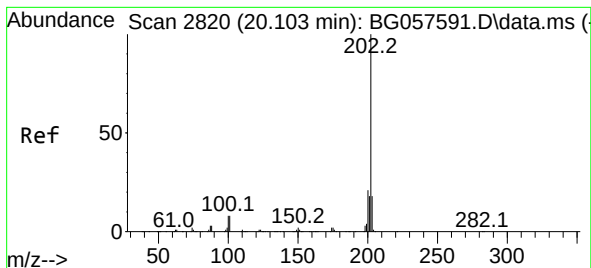
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.995 min Scan# 3142
Delta R.T. -0.008 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

Tgt Ion:240 Resp: 152068
Ion Ratio Lower Upper
240 100
120 7.7 5.2 7.8
236 25.6 21.4 32.0





#78

Pyrene

Concen: 15.974 ng

RT: 20.086 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

Instrument :

BNA_G

ClientSampleId :

RBR044-VNJ224

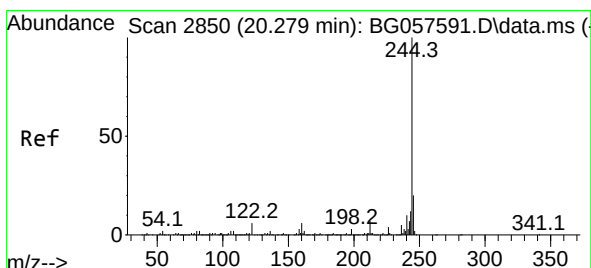
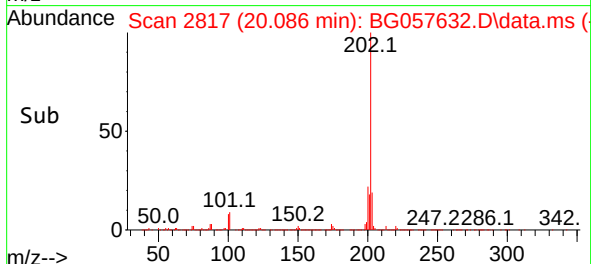
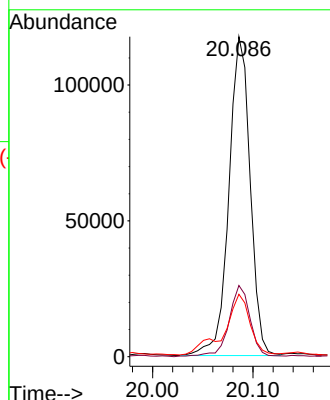
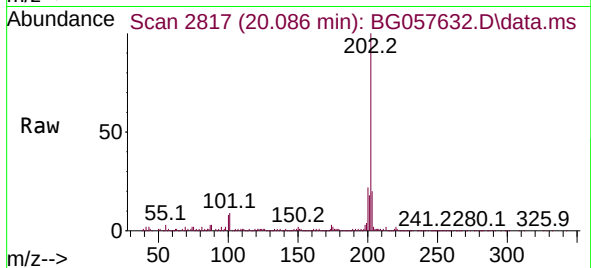
Tgt Ion:202	Resp: 17295
Ion Ratio	Lower Upper
202 100	
200 22.3	16.8 25.2
203 19.5	14.5 21.7

Manual Integrations

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Supervised By :mohammad ahmed 06/01/2023



#79

Terphenyl-d14

Concen: 67.865 ng

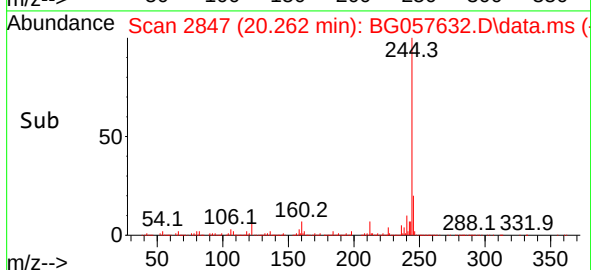
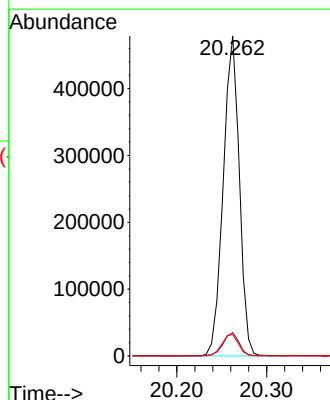
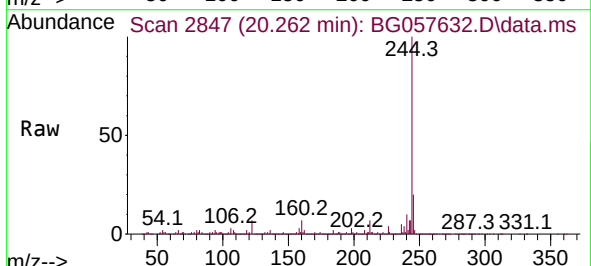
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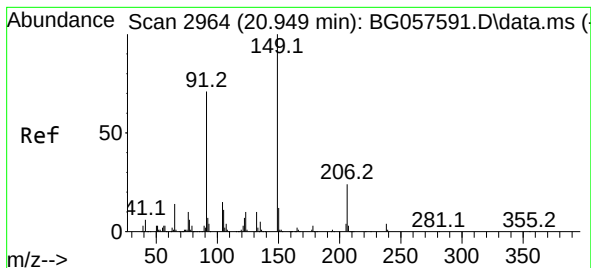
Delta R.T. -0.002 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

Tgt Ion:244	Resp: 595768
Ion Ratio	Lower Upper
244 100	
212 7.3	5.6 8.4
122 6.6	4.8 7.2





#80

Butylbenzylphthalate

Concen: 5.087 ng

RT: 20.932 min Scan# 2058

Delta R.T. -0.008 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

Instrument :

BNA_G

ClientSampleId :

RBR044-VNJ224

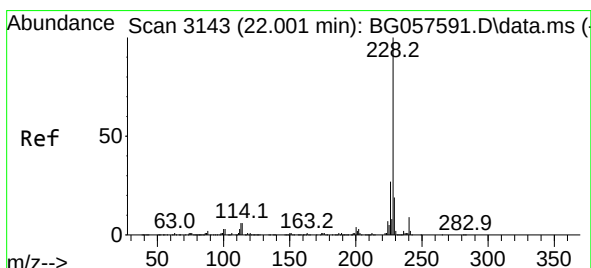
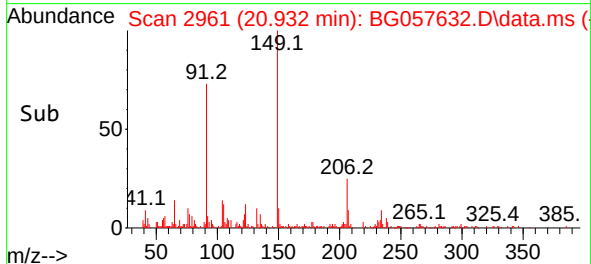
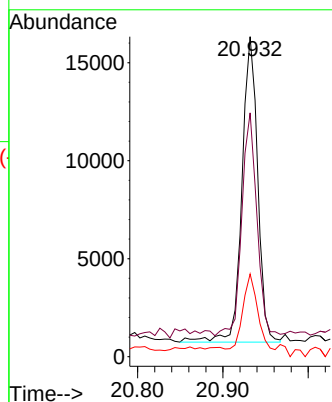
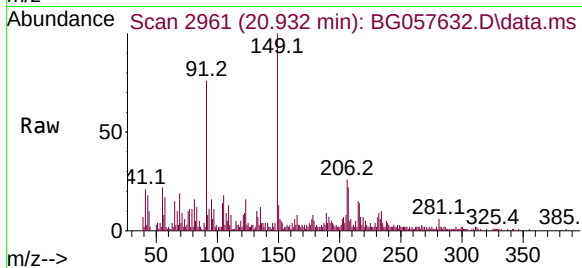
Tgt Ion:	149	Resp:	20058
Ion Ratio	Lower	Upper	
149	100		
91	76.2	57.0	85.6
206	25.8	19.4	29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/01/2023

Supervised By :mohammad ahmed 06/01/2023



#81

Benzo(a)anthracene

Concen: 9.122 ng

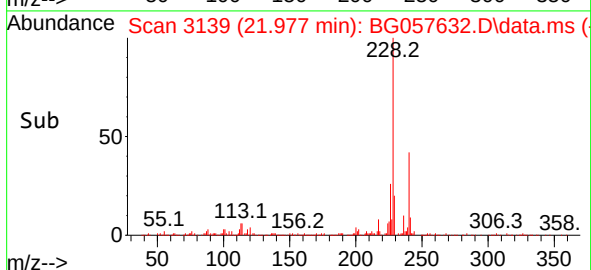
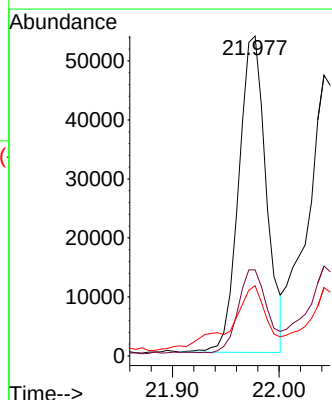
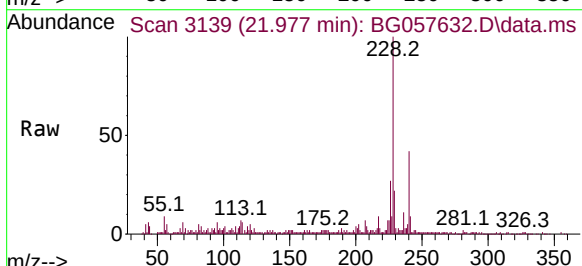
RT: 21.977 min Scan# 3139

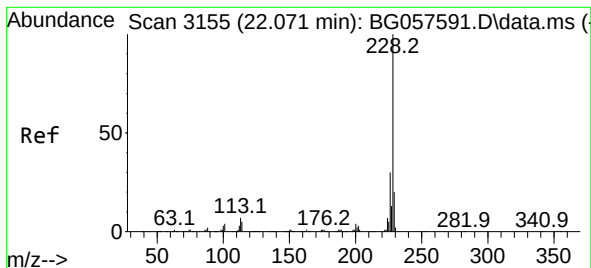
Delta R.T. -0.002 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

Tgt Ion:	228	Resp:	96233
Ion Ratio	Lower	Upper	
228	100		
226	26.9	21.4	32.0
229	22.0	15.4	23.2





#83

Chrysene

Concen: 10.191 ng m

RT: 22.042 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

Instrument :

BNA_G

ClientSampleId :

RBR044-VNJ224

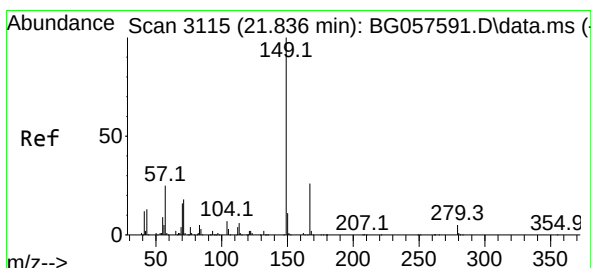
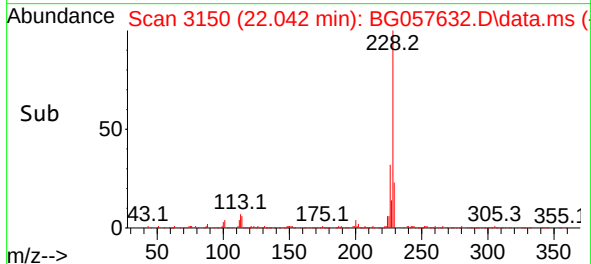
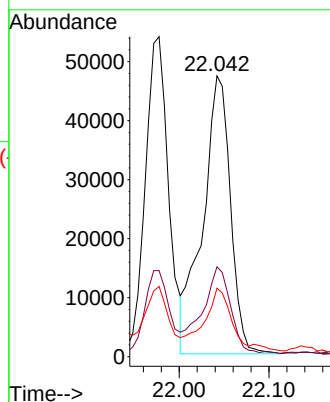
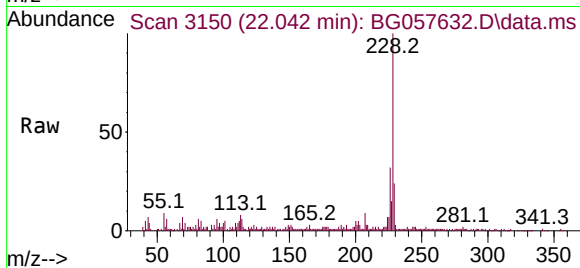
Tgt Ion:	228	Resp:	10160
Ion Ratio	Lower	Upper	
228	100		
226	32.0	24.3	36.5
229	24.4	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/01/2023

Supervised By :mohammad ahmed 06/01/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.039 ng

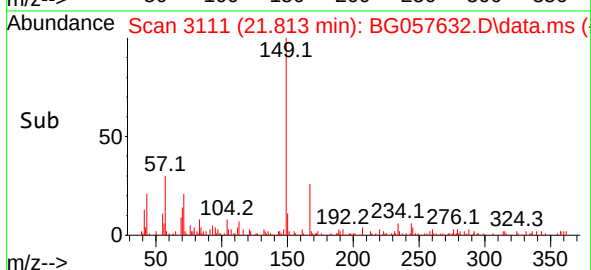
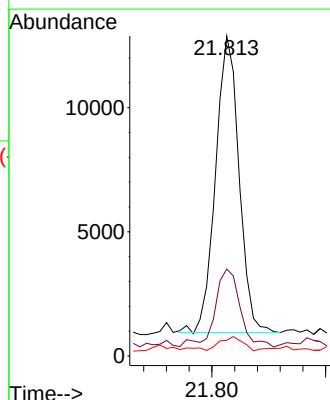
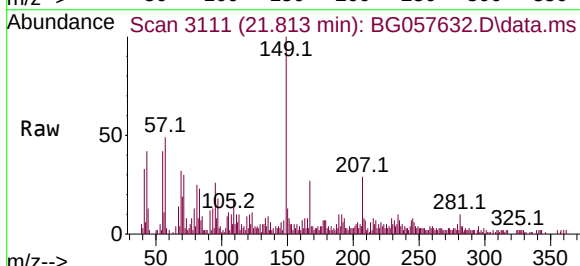
RT: 21.813 min Scan# 3111

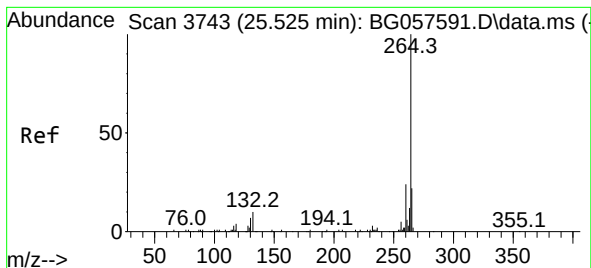
Delta R.T. -0.008 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

Tgt Ion:	149	Resp:	17096
Ion Ratio	Lower	Upper	
149	100		
167	27.1	20.6	31.0
279	4.9	3.6	5.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.490 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG057632.D

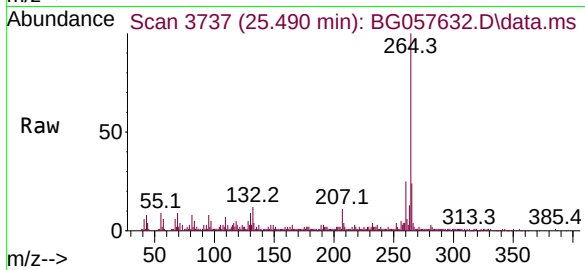
Acq: 31 May 2023 22:11

Instrument :

BNA_G

ClientSampleId :

RBR044-VNJ224



Tgt Ion:264 Resp: 155600

Ion Ratio Lower Upper

264 100

260 25.4 19.1 28.7

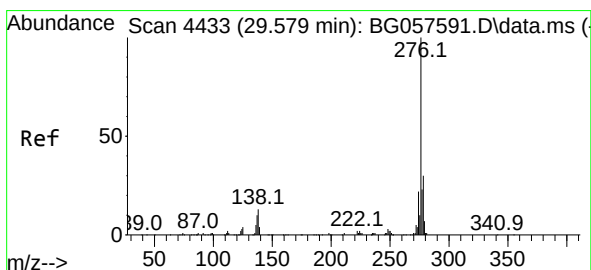
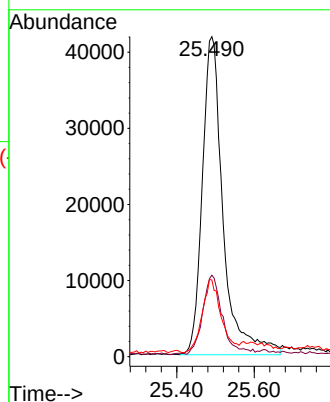
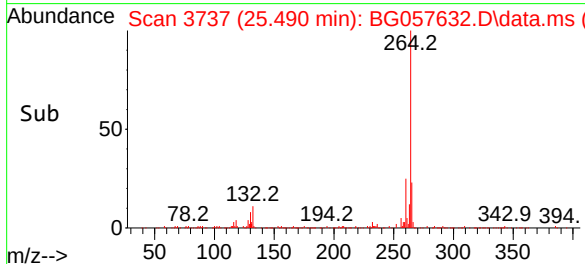
265 24.0 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/01/2023

Supervised By :mohammad ahmed 06/01/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.729 ng

RT: 29.532 min Scan# 4425

Delta R.T. -0.020 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

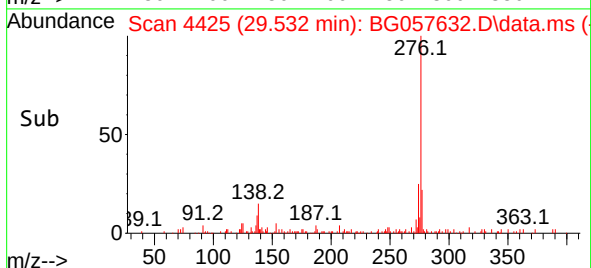
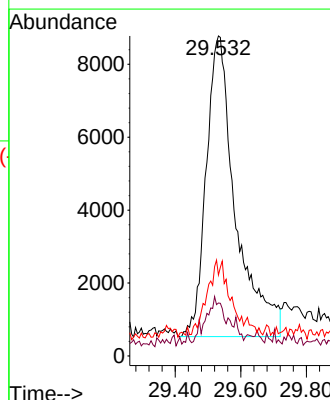
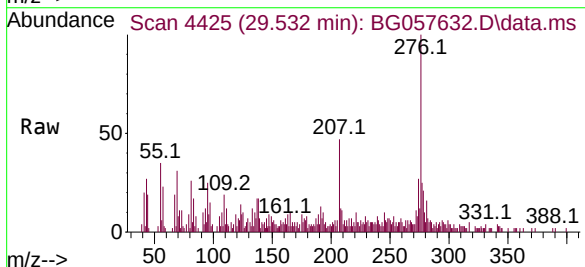
Tgt Ion:276 Resp: 51300

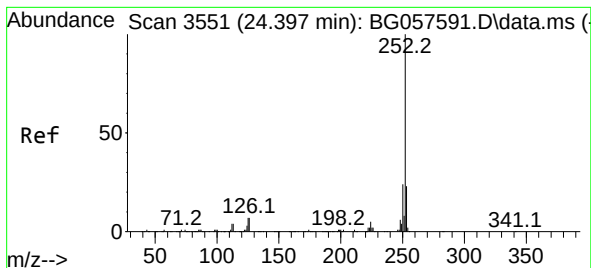
Ion Ratio Lower Upper

276 100

138 5.4 12.3 18.5#

277 18.6 20.5 30.7#





#88

Benzo(b)fluoranthene

Concen: 14.864 ng

RT: 24.368 min Scan# 3546

Delta R.T. -0.008 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

Instrument :

BNA_G

ClientSampleId :

RBR044-VNJ224

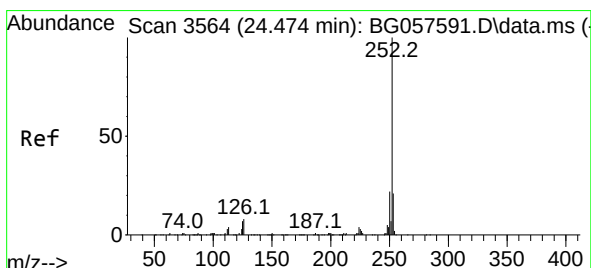
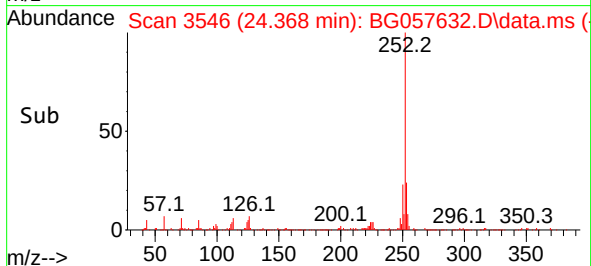
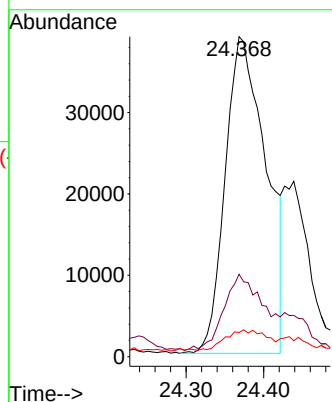
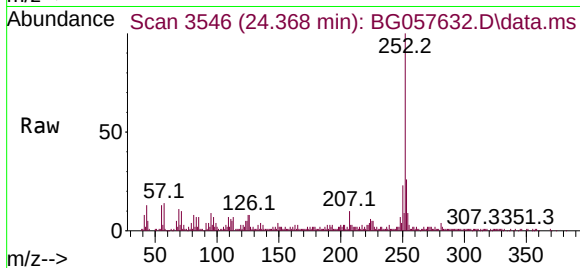
Tgt Ion:252 Resp: 142370
 Ion Ratio Lower Upper
 252 100
 253 25.7 18.4 27.6
 125 7.6 5.2 7.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/01/2023

Supervised By :mohammad ahmed 06/01/2023



#89

Benzo(k)fluoranthene

Concen: 4.981 ng m

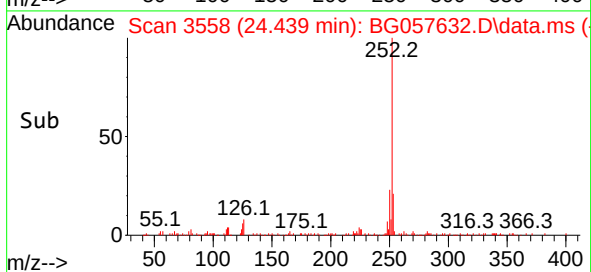
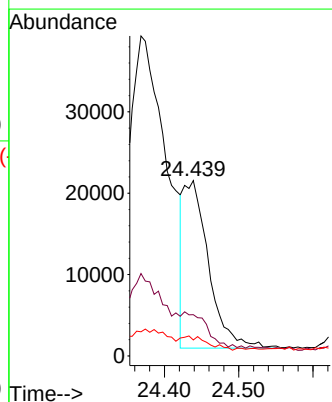
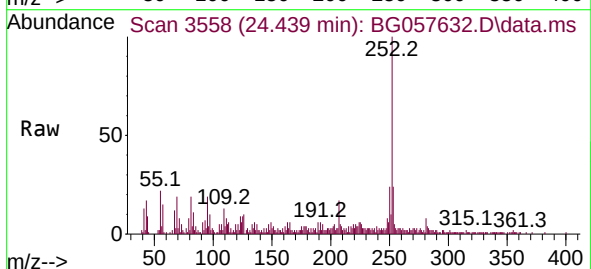
RT: 24.439 min Scan# 3558

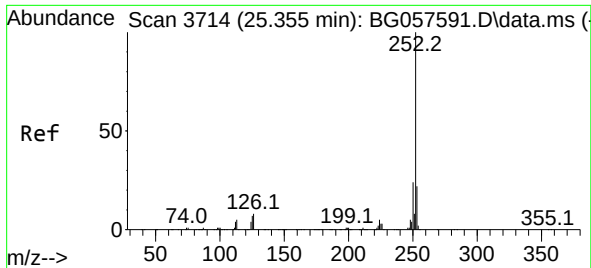
Delta R.T. -0.008 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

Tgt Ion:252 Resp: 48148
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.0 25.6
 125 9.2 5.1 7.7#





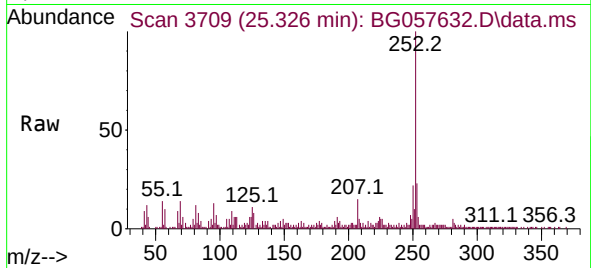
#90
Benzo(a)pyrene
Concen: 9.784 ng
RT: 25.326 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

Instrument :

BNA_G

ClientSampleId :

RBR044-VNJ224



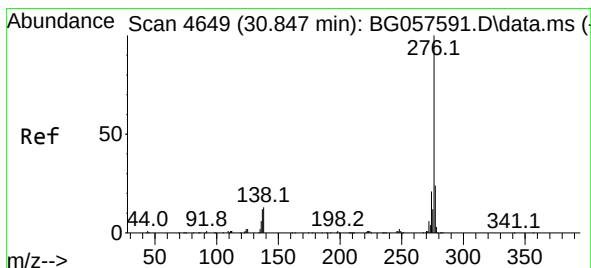
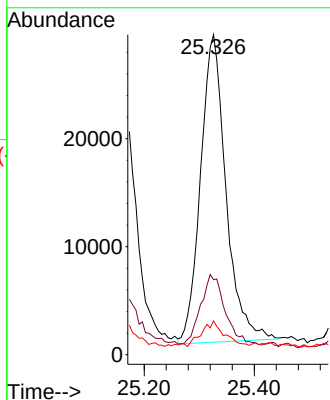
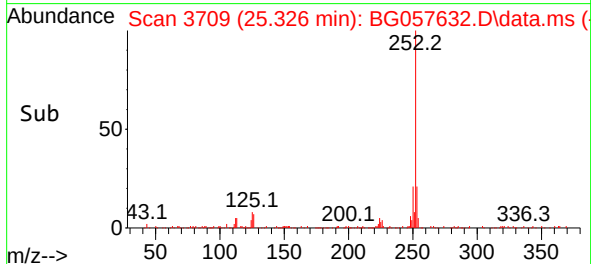
Tgt Ion:252 Resp: 9138
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 10.6 5.3 7.9

Manual Integrations

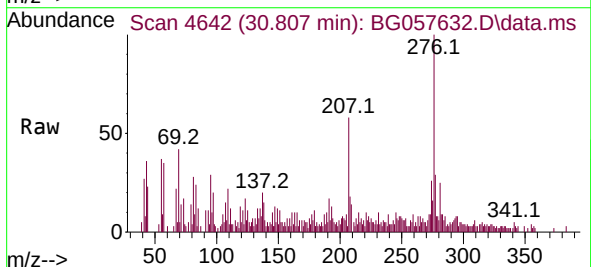
APPROVED

Reviewed By :Yogesh Patel 06/01/2023

Supervised By :mohammad ahmed 06/01/2023



#92
Benzo(g,h,i)perylene
Concen: 5.323 ng m
RT: 30.807 min Scan# 4642
Delta R.T. -0.002 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11



Tgt Ion:276 Resp: 46876
Ion Ratio Lower Upper
276 100
277 29.4 18.9 28.3#
138 15.4 10.2 15.4#

