

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102722\
 Data File : BG055327.D
 Acq On : 27 Oct 2022 17:17
 Operator : CG/JU
 Sample : N5238-01DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-20430DL

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 10/28/2022
 Supervised By :mohammad ahmed 11/02/2022

Quant Time: Oct 27 18:21:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.268	152	50145	20.000	ng	0.00
21) Naphthalene-d8	11.100	136	209880	20.000	ng	0.00
39) Acenaphthene-d10	14.883	164	130318	20.000	ng	0.00
64) Phenanthrene-d10	17.621	188	263307	20.000	ng	0.00
76) Chrysene-d12	21.899	240	235088	20.000	ng	0.00
86) Perylene-d12	25.312	264	259515	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.794	112	117784	41.128	ng	0.00
7) Phenol-d6	7.416	99	158119	38.110	ng	0.00
23) Nitrobenzene-d5	9.443	82	97701	23.770	ng	0.00
42) 2,4,6-Tribromophenol	16.364	330	55414	39.116	ng	0.00
45) 2-Fluorobiphenyl	13.509	172	196448	24.673	ng	0.00
79) Terphenyl-d14	20.189	244	267544	23.645	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.619	152	61716	5.072	ng	98
71) Phenanthrene	17.662	178	203086	14.462	ng	99
72) Anthracene	17.751	178	50787	3.700	ng	99
75) Fluoranthene	19.654	202	587582	35.910	ng	99
78) Pyrene	20.013	202	553167	34.329	ng	99
81) Benzo(a)anthracene	21.875	228	377750	23.928	ng	98
83) Chrysene	21.946	228	359774	23.992	ng	98
87) Indeno(1,2,3-cd)pyrene	29.225	276	352870	18.410	ng	95
88) Benzo(b)fluoranthene	24.225	252	653544	41.866	ng	97
89) Benzo(k)fluoranthene	24.278	252	220998m	14.020	ng	
90) Benzo(a)pyrene	25.148	252	469420	35.066	ng	98
91) Dibenzo(a,h)anthracene	29.272	278	86676	5.510	ng	92
92) Benzo(g,h,i)perylene	30.459	276	352468	22.592	ng	98

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

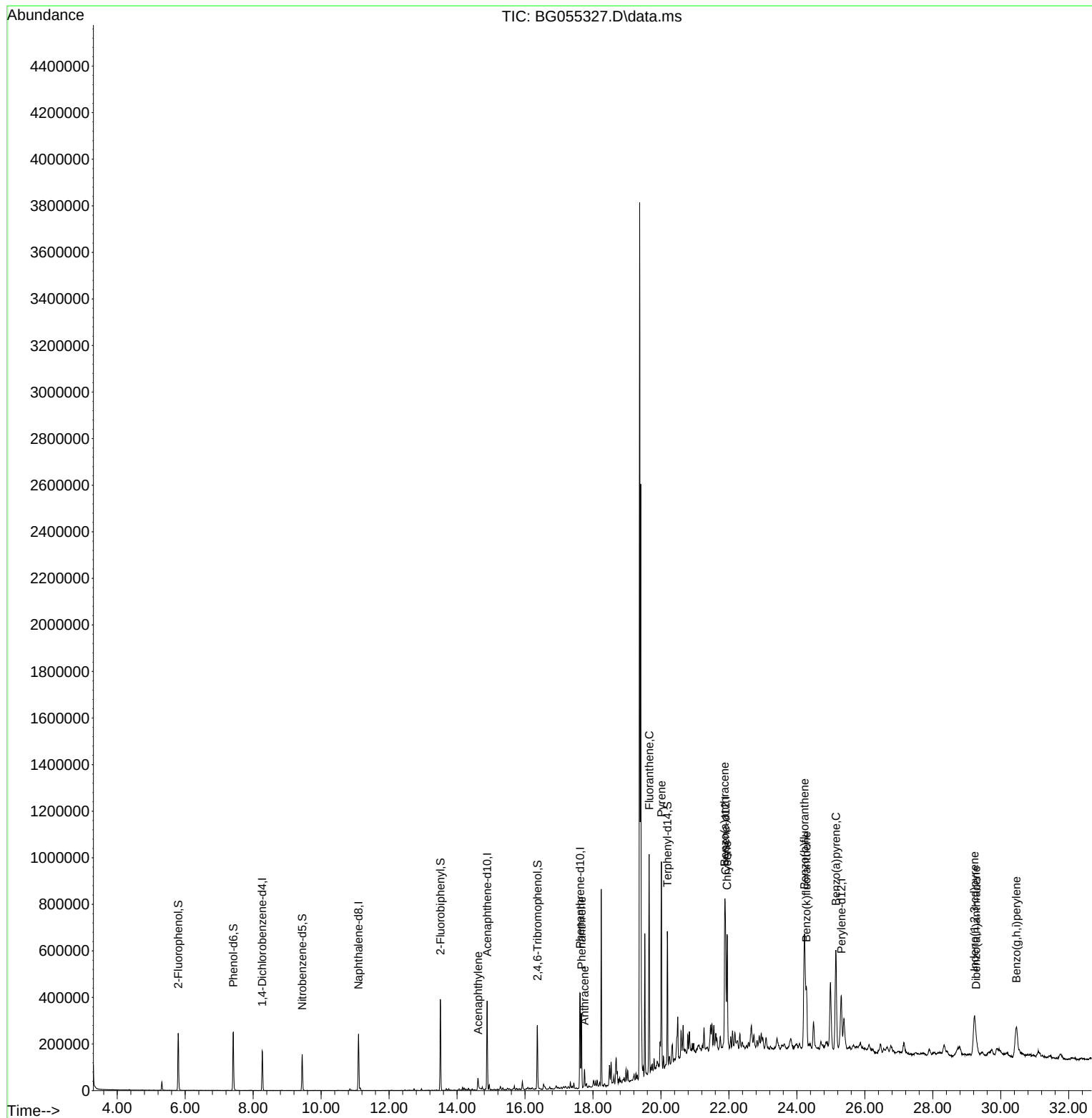
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102722\
Data File : BG055327.D
Acq On : 27 Oct 2022 17:17
Operator : CG/JU
Sample : N5238-01DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

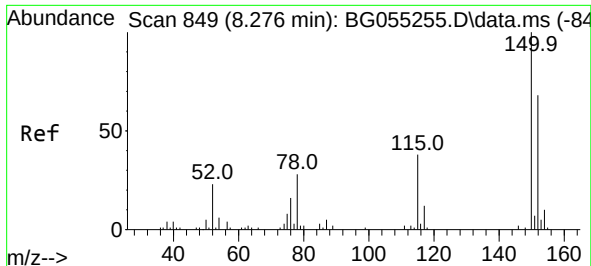
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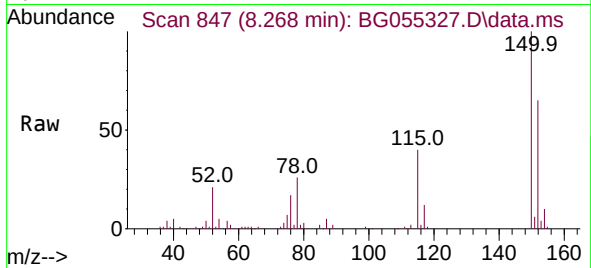
Quant Time: Oct 27 18:21:21 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 24 16:54:05 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.268 min Scan# 849
Delta R.T. -0.008 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

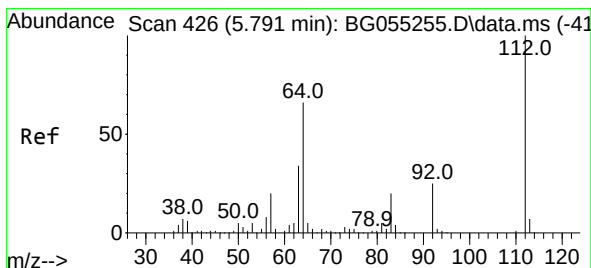
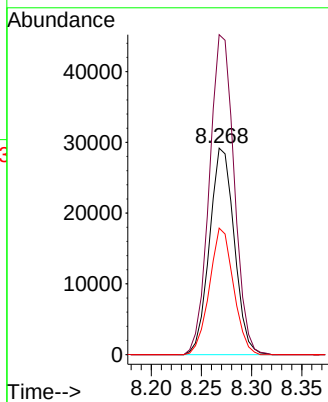
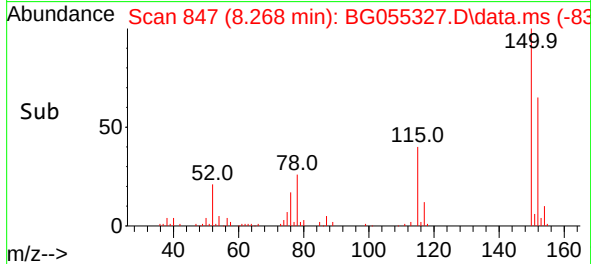
Instrument :
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ClientSampleId :
CHRT-20430DL



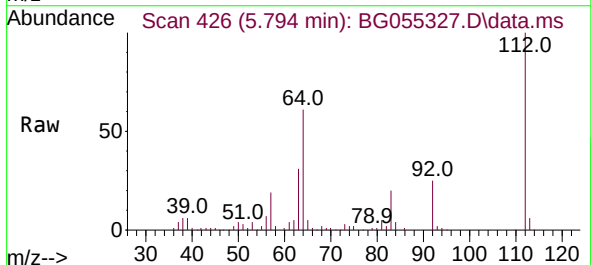
Tgt Ion:152 Resp: 50145
Ion Ratio Lower Upper
152 100
150 155.0 118.2 177.4
115 61.3 44.5 66.7

Manual Integrations
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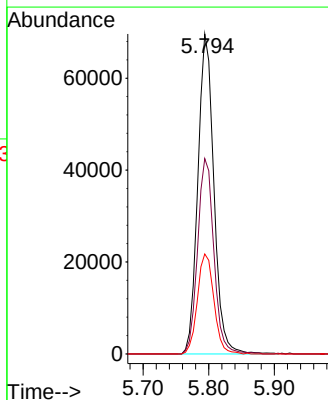
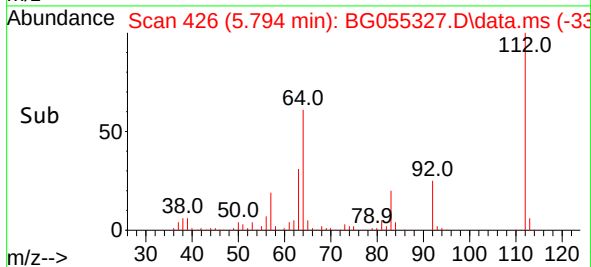
Reviewed By :Christian Giraldo 10/28/2022
Supervised By :mohammad ahmed 11/02/2022

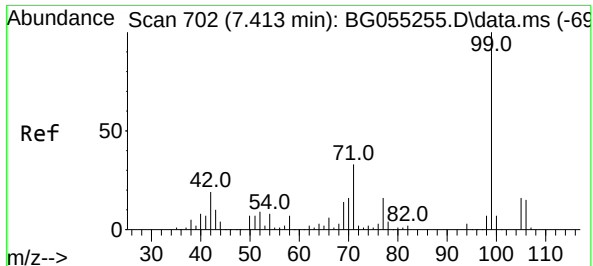


#5
2-Fluorophenol
Concen: 41.128 ng
RT: 5.794 min Scan# 426
Delta R.T. 0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17



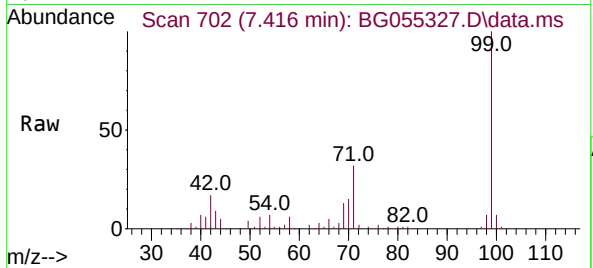
Tgt Ion:112 Resp: 117784
Ion Ratio Lower Upper
112 100
64 61.0 52.6 78.8
63 31.2 27.1 40.7





#7
Phenol-d6
Concen: 38.110 ng
RT: 7.416 min Scan# 702
Delta R.T. 0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

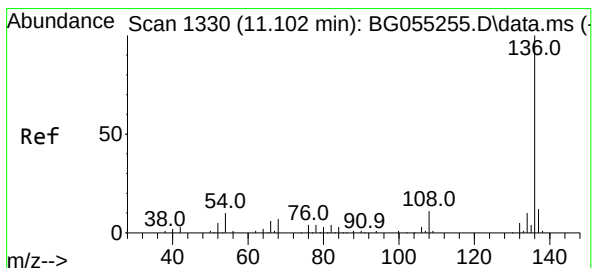
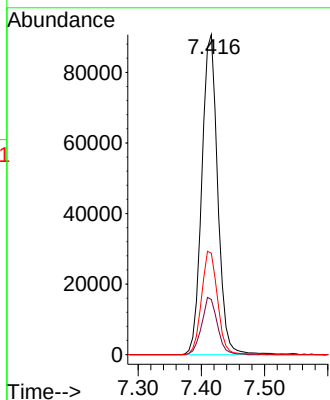
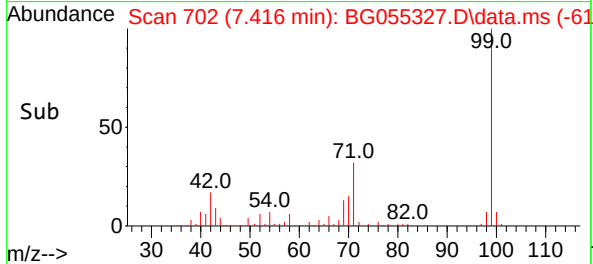
Instrument :
BNA_G
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Tgt Ion: 99 Resp: 158119
Ion Ratio Lower Upper
99 100
42 17.2 15.2 22.8
71 31.7 26.2 39.4

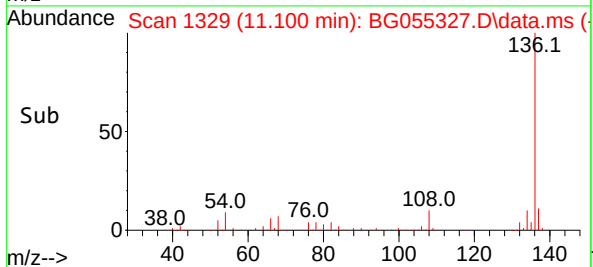
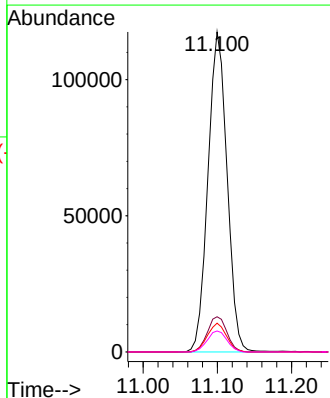
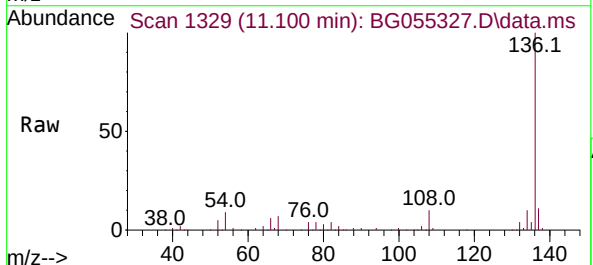
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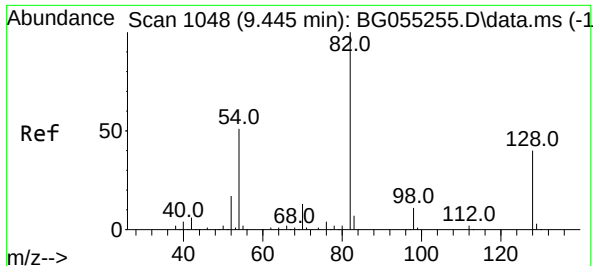
Reviewed By :Christian Giraldo 10/28/2022
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.100 min Scan# 1329
Delta R.T. -0.002 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

Tgt Ion:136 Resp: 209880
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 9.0 7.8 11.8
68 6.5 5.8 8.6





#23
Nitrobenzene-d5
Concen: 23.770 ng
RT: 9.443 min Scan# 1048
Delta R.T. -0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

Instrument :

BNA_G

ClientSampleId :

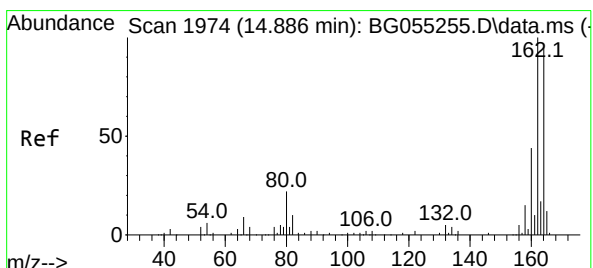
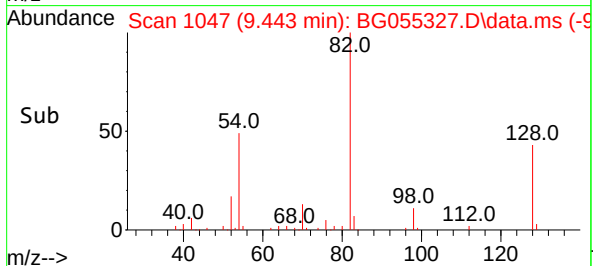
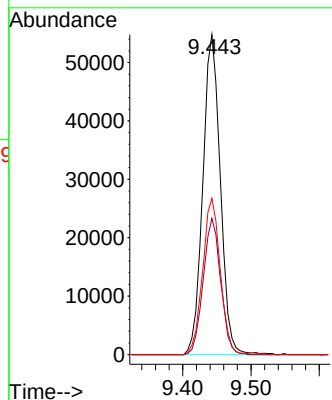
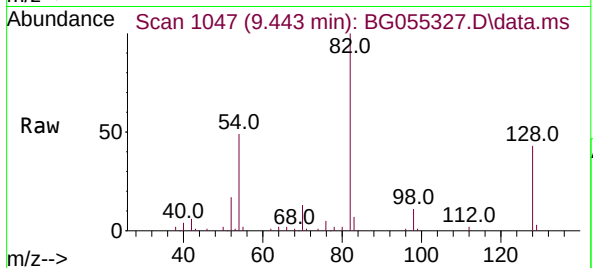
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Tgt Ion: 82 Resp: 9770
Ion Ratio Lower Upper
82 100
128 42.6 32.0 48.0
54 48.8 40.9 61.3

Manual Integrations

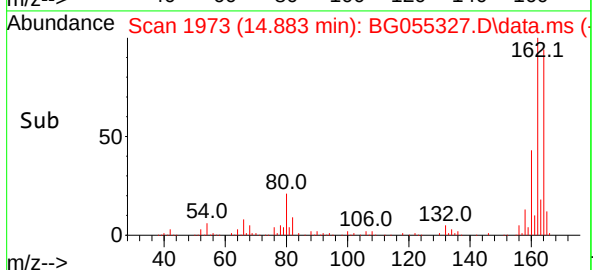
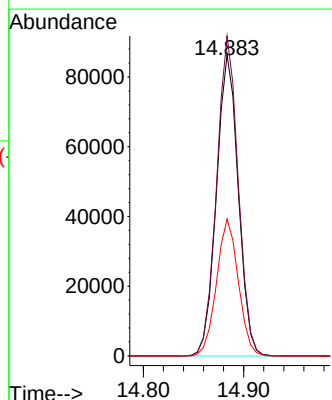
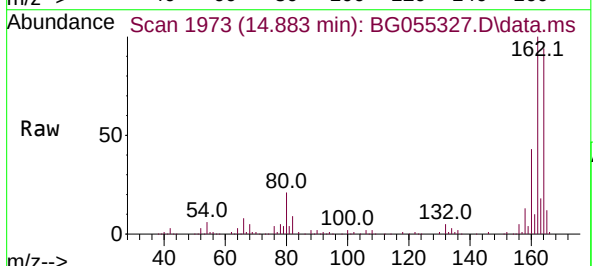
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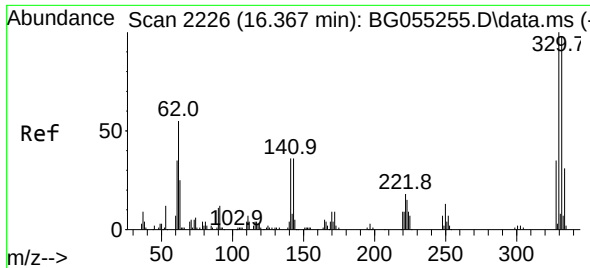
Reviewed By :Christian Giraldo 10/28/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.883 min Scan# 1973
Delta R.T. -0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

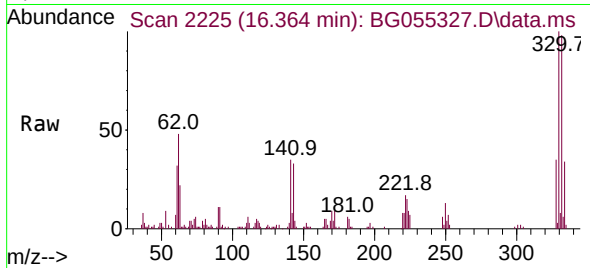
Tgt Ion:164 Resp: 130318
Ion Ratio Lower Upper
164 100
162 106.3 84.0 126.0
160 45.4 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 39.116 ng
RT: 16.364 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

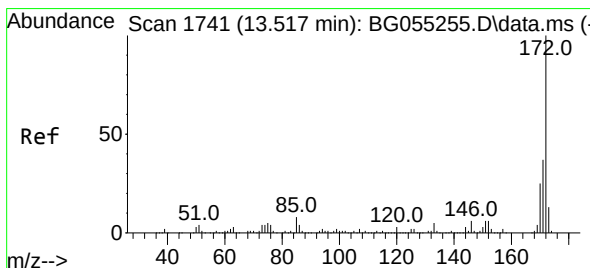
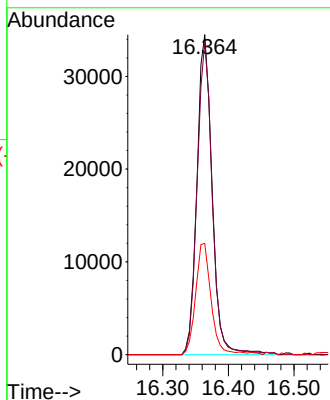
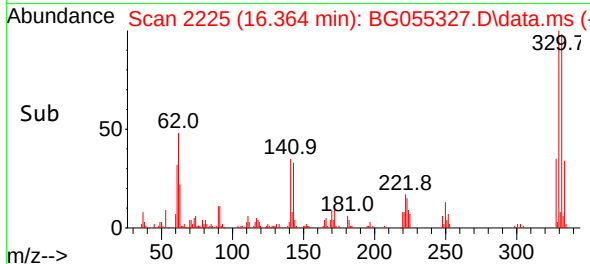
Instrument :
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ClientSampleId :
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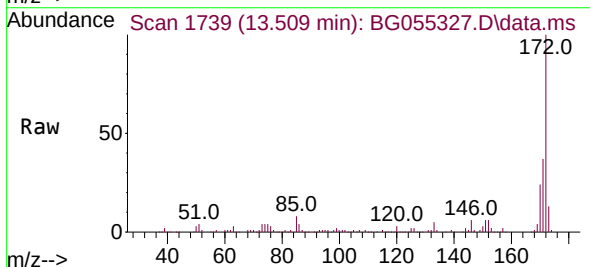
Tgt Ion:330 Resp: 55414
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 35.4 29.8 44.8

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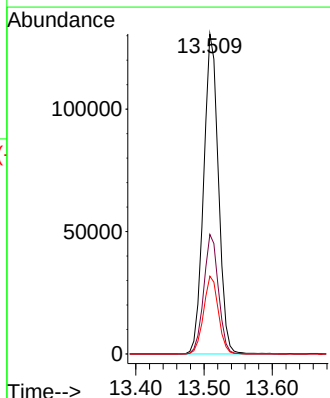
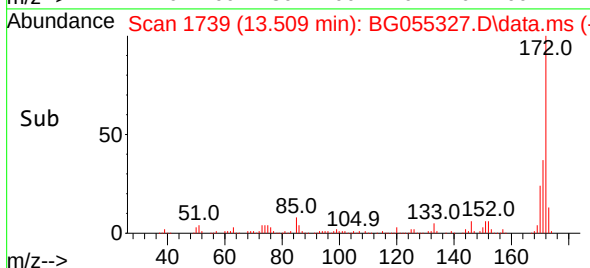
Reviewed By :Christian Giraldo 10/28/2022
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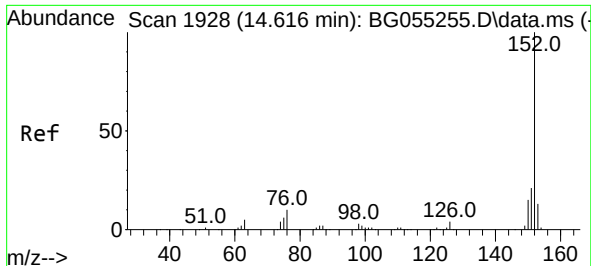


#45
2-Fluorobiphenyl
Concen: 24.673 ng
RT: 13.509 min Scan# 1739
Delta R.T. -0.009 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17



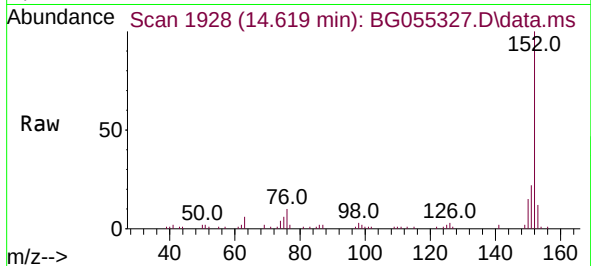
Tgt Ion:172 Resp: 196448
Ion Ratio Lower Upper
172 100
171 37.3 29.7 44.5
170 24.3 20.2 30.2





#49
Acenaphthylene
Concen: 5.072 ng
RT: 14.619 min Scan# 1928
Delta R.T. 0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

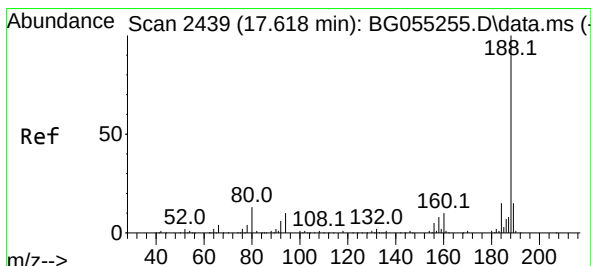
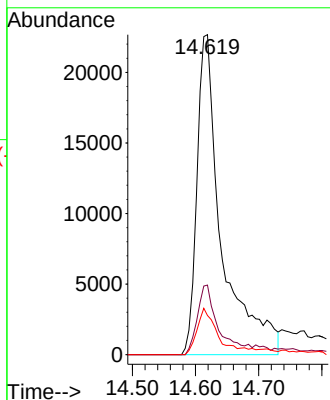
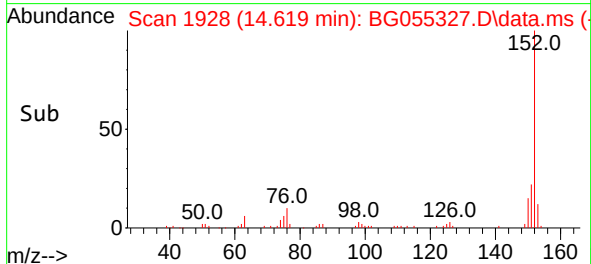
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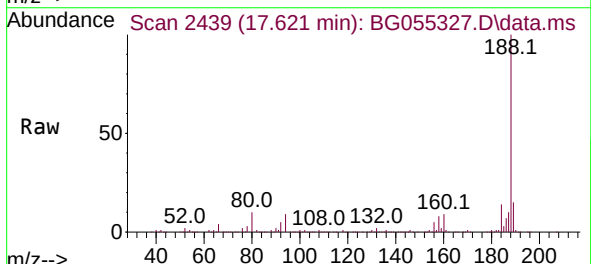
Tgt Ion:152 Resp: 61716
Ion Ratio Lower Upper
152 100
151 21.7 16.6 25.0
153 12.2 10.5 15.7

Manual Integrations
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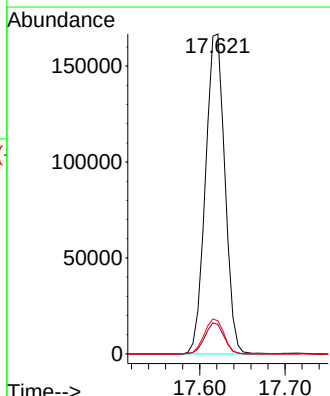
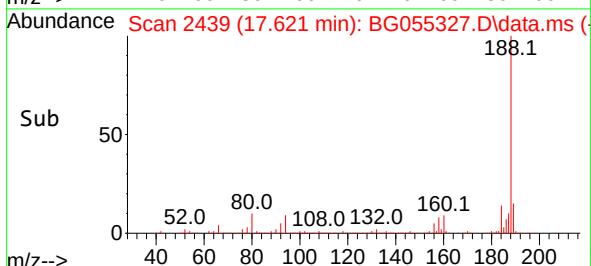
Reviewed By :Christian Giraldo 10/28/2022
Supervised By :mohammad ahmed 11/02/2022

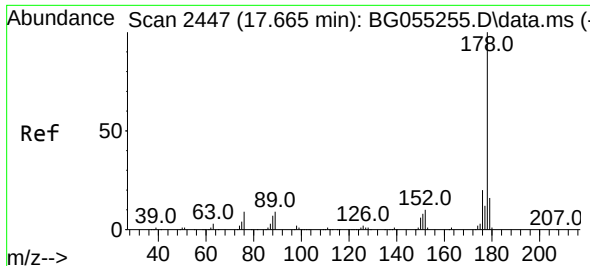


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.621 min Scan# 2439
Delta R.T. 0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17



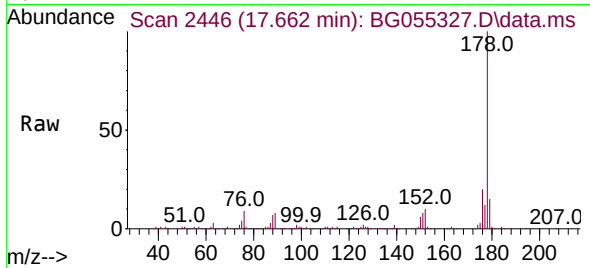
Tgt Ion:188 Resp: 263307
Ion Ratio Lower Upper
188 100
94 9.2 8.2 12.4
80 10.3 10.1 15.1





#71
Phenanthrene
Concen: 14.462 ng
RT: 17.662 min Scan# 2446
Delta R.T. -0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

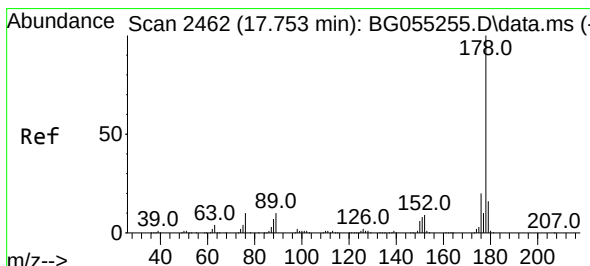
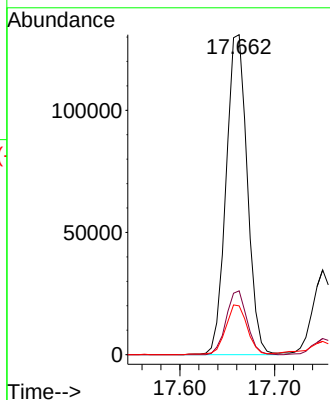
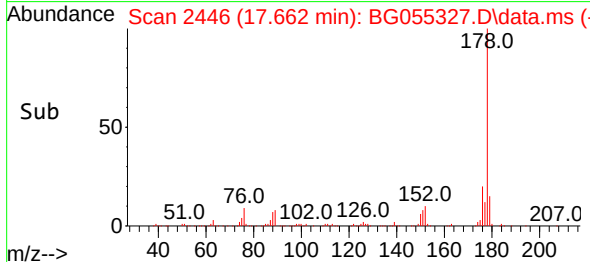
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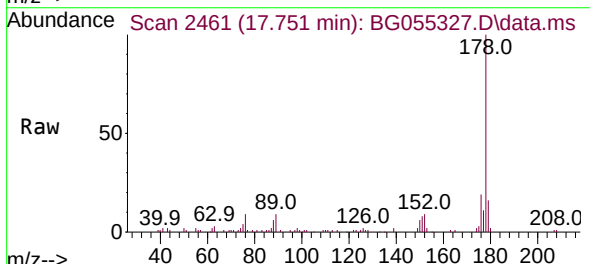
Tgt Ion:178 Resp: 203086
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 15.2 12.6 19.0

Manual Integrations
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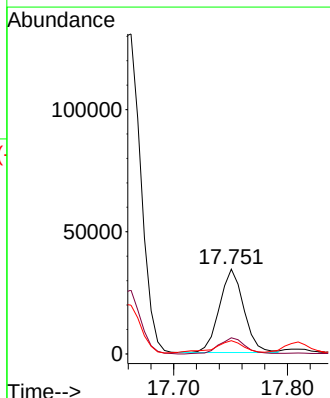
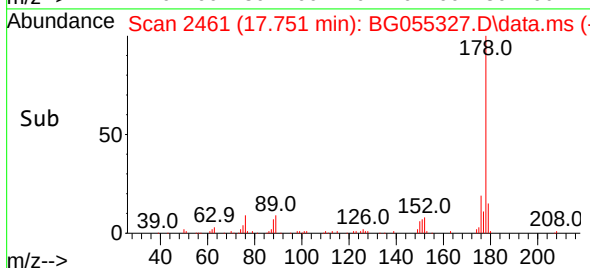
Reviewed By :Christian Giraldo 10/28/2022
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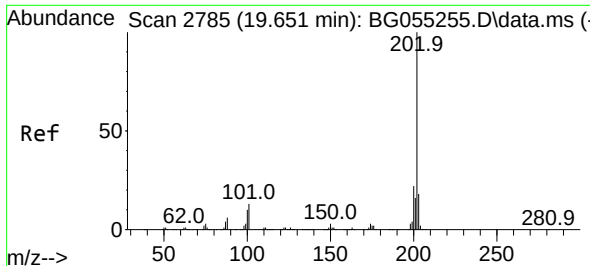


#72
Anthracene
Concen: 3.700 ng
RT: 17.751 min Scan# 2461
Delta R.T. -0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17



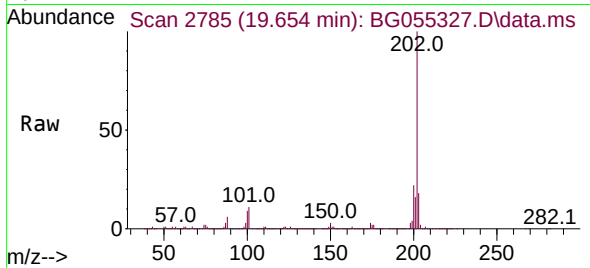
Tgt Ion:178 Resp: 50787
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 15.5 12.9 19.3





#75
Fluoranthene
Concen: 35.910 ng
RT: 19.654 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

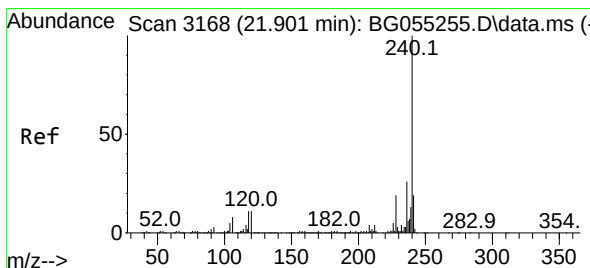
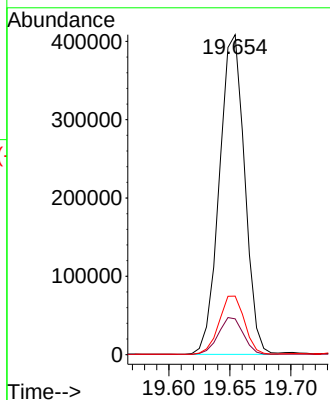
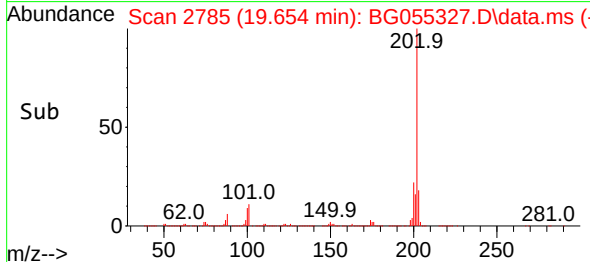
Instrument :
BNA_G
ClientSampleId :
CHRT-20430DL



Tgt Ion:202 Resp: 587582
Ion Ratio Lower Upper
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101 11.2 0.0 32.6
203 18.3 0.0 38.3

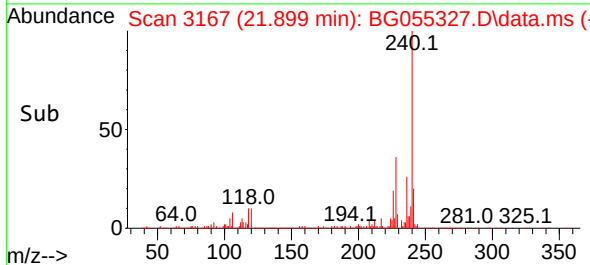
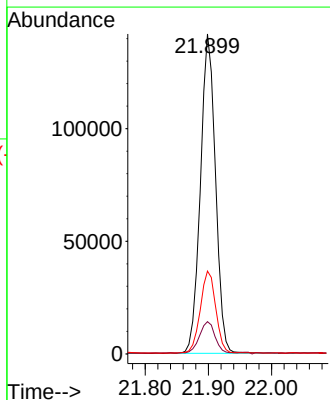
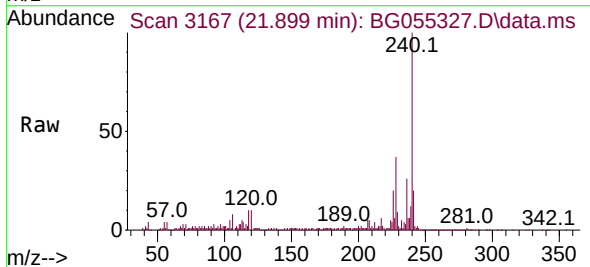
Manual Integrations
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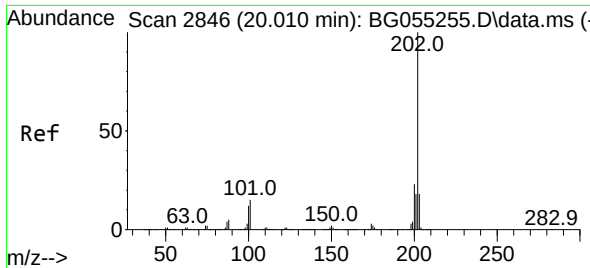
Reviewed By :Christian Giraldo 10/28/2022
Supervised By :mohammad ahmed 11/02/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.899 min Scan# 3167
Delta R.T. -0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

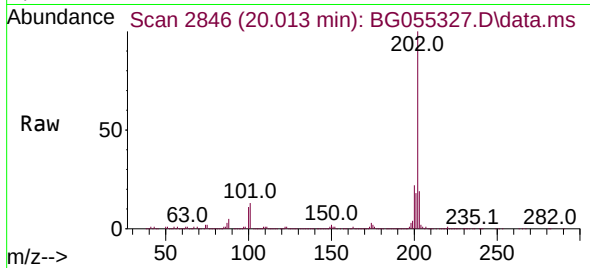
Tgt Ion:240 Resp: 235088
Ion Ratio Lower Upper
240 100
120 10.1 8.9 13.3
236 25.9 21.0 31.4





#78
 Pyrene
 Concen: 34.329 ng
 RT: 20.013 min Scan# 2846
 Delta R.T. 0.003 min
 Lab File: BG055327.D
 Acq: 27 Oct 2022 17:17

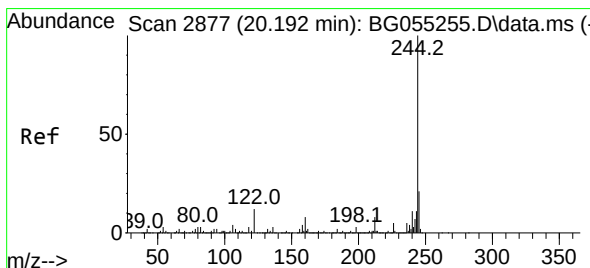
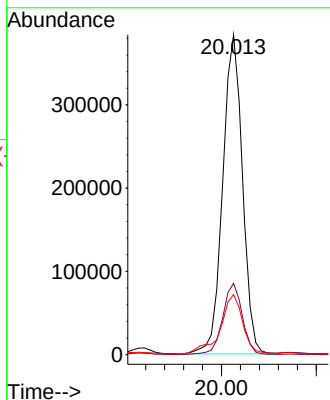
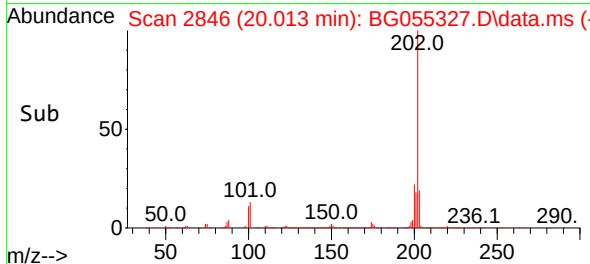
Instrument :
 BNA_G
 ClientSampleId :
 CHRT-20430DL



Tgt Ion:202 Resp: 553162
 Ion Ratio Lower Upper
 202 100
 200 22.3 18.0 27.0
 203 18.8 14.3 21.5

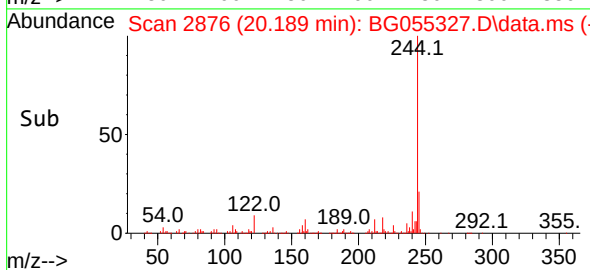
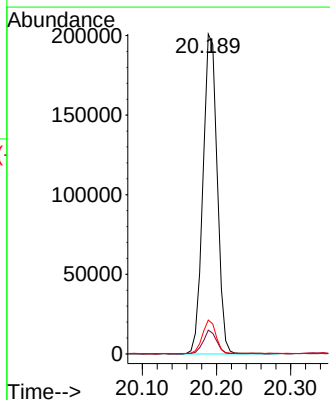
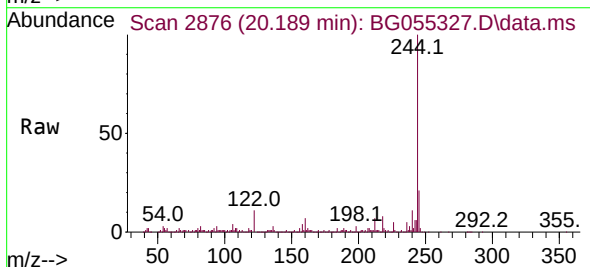
Manual Integrations
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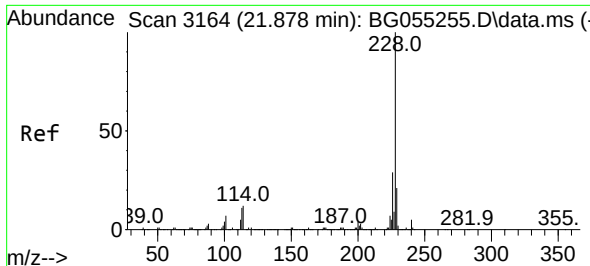
Reviewed By :Christian Giraldo 10/28/2022
 Supervised By :mohammad ahmed 11/02/2022



#79
 Terphenyl-d14
 Concen: 23.645 ng
 RT: 20.189 min Scan# 2876
 Delta R.T. -0.003 min
 Lab File: BG055327.D
 Acq: 27 Oct 2022 17:17

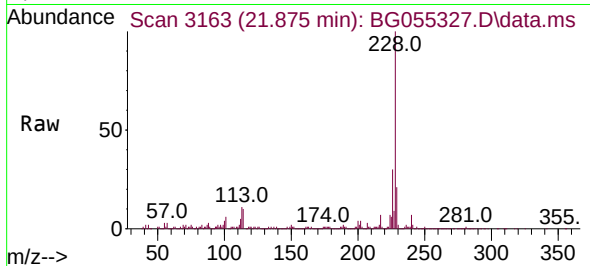
Tgt Ion:244 Resp: 267544
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 10.6 9.6 14.4





#81
Benzo(a)anthracene
Concen: 23.928 ng
RT: 21.875 min Scan# 3163
Delta R.T. -0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

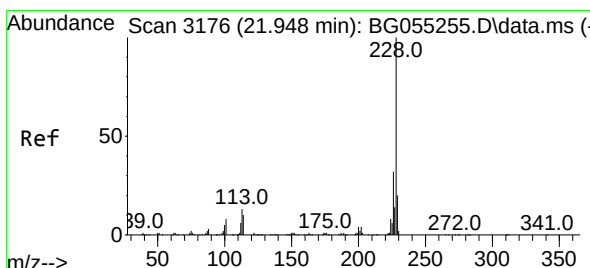
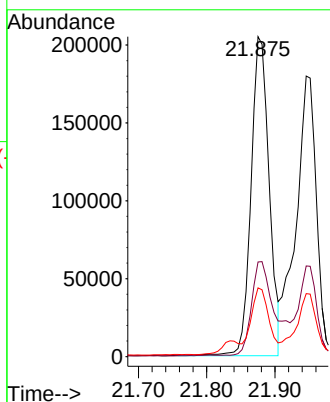
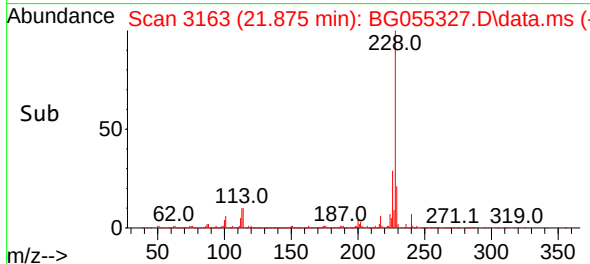
Instrument :
BNA_G
ClientSampleId :
CHRT-20430DL



Tgt Ion:228 Resp: 377750
Ion Ratio Lower Upper
228 100
226 29.6 22.9 34.3
229 21.5 16.7 25.1

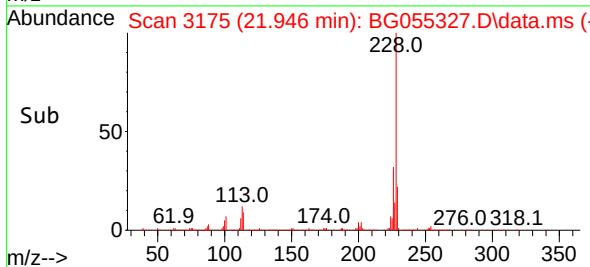
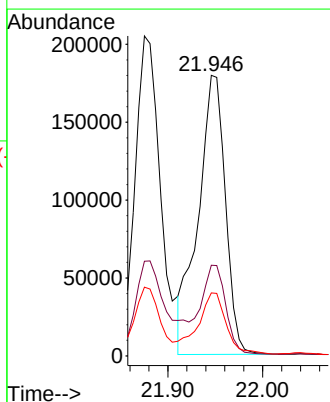
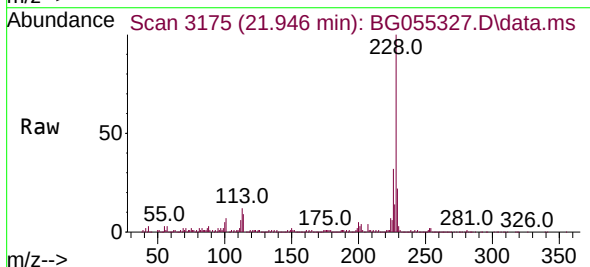
Manual Integrations
APPROVED

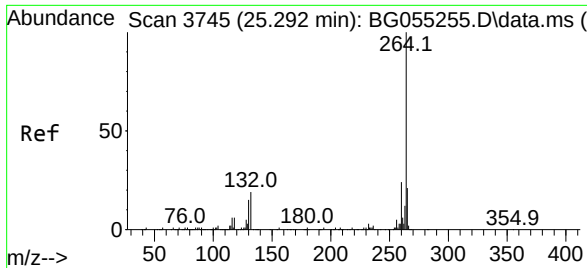
Reviewed By :Christian Giraldo 10/28/2022
Supervised By :mohammad ahmed 11/02/2022



#83
Chrysene
Concen: 23.992 ng
RT: 21.946 min Scan# 3175
Delta R.T. -0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

Tgt Ion:228 Resp: 359774
Ion Ratio Lower Upper
228 100
226 32.3 25.8 38.8
229 22.4 16.3 24.5





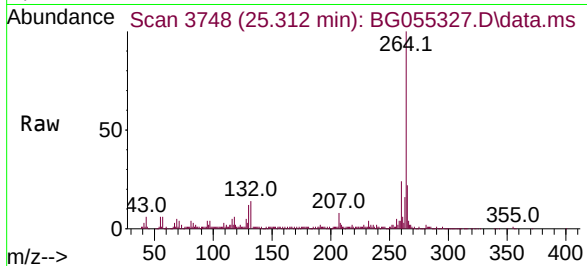
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.312 min Scan# 31
 Delta R.T. 0.021 min
 Lab File: BG055327.D
 Acq: 27 Oct 2022 17:17

Instrument :

BNA_G

ClientSampleId :

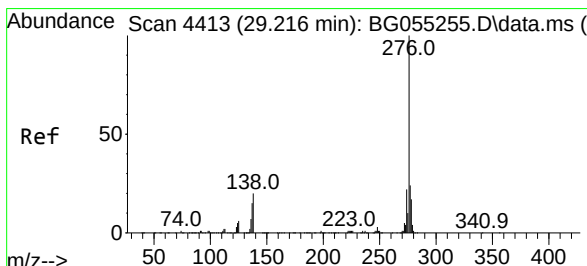
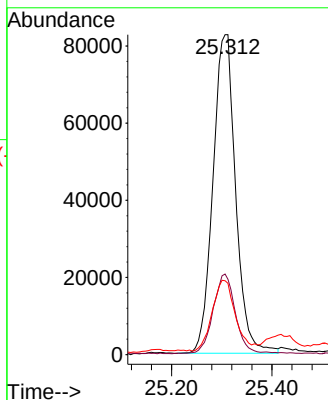
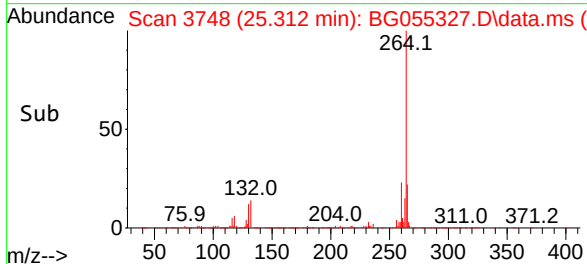
CHRT-20430DL



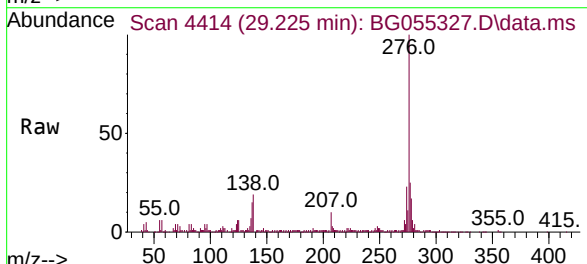
Tgt Ion:264 Resp: 259515
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.5 29.3
 265 22.3 17.4 26.2

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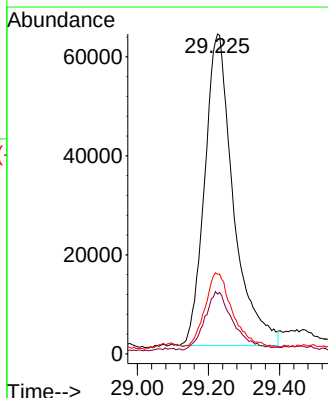
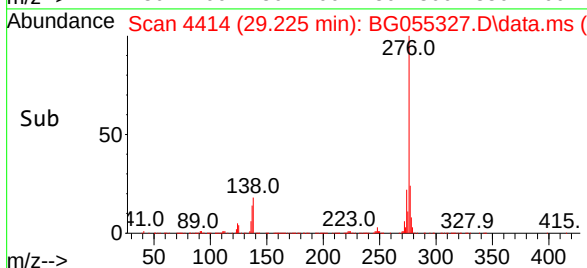
Reviewed By :Christian Giraldo 10/28/2022
 Supervised By :mohammad ahmed 11/02/2022

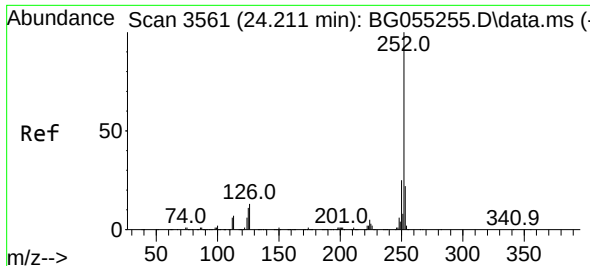


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 18.410 ng
 RT: 29.225 min Scan# 4414
 Delta R.T. 0.009 min
 Lab File: BG055327.D
 Acq: 27 Oct 2022 17:17



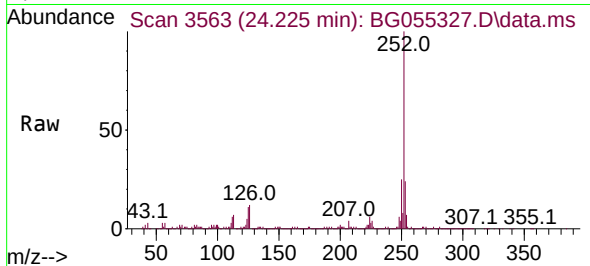
Tgt Ion:276 Resp: 352870
 Ion Ratio Lower Upper
 276 100
 138 18.6 13.9 20.9
 277 22.3 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 41.866 ng
RT: 24.225 min Scan# 3563
Delta R.T. 0.015 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

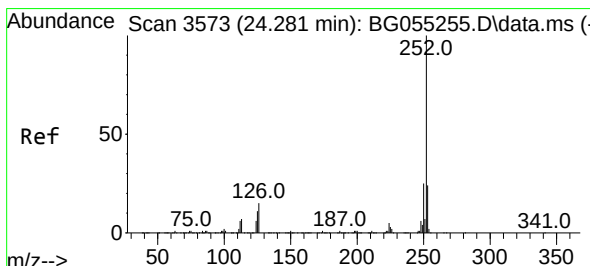
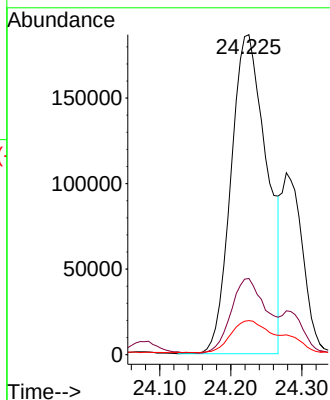
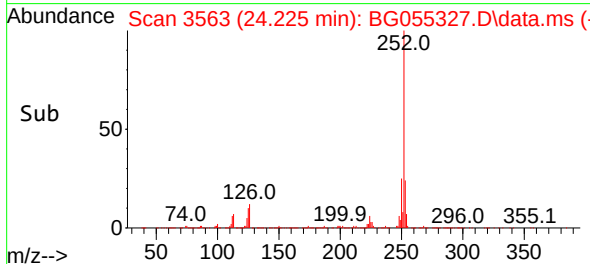
Instrument :
BNA_G
ClientSampleId :
CHRT-20430DL



Tgt Ion:252 Resp: 653544
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 10.6 9.0 13.4

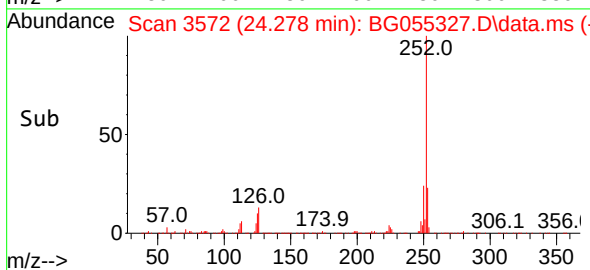
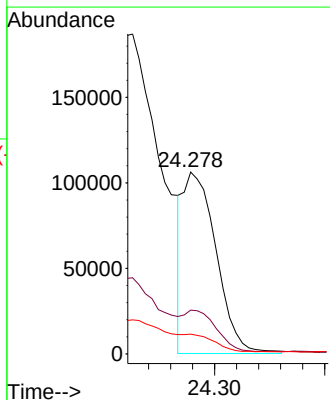
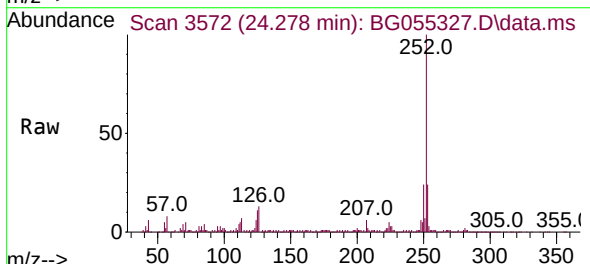
Manual Integrations
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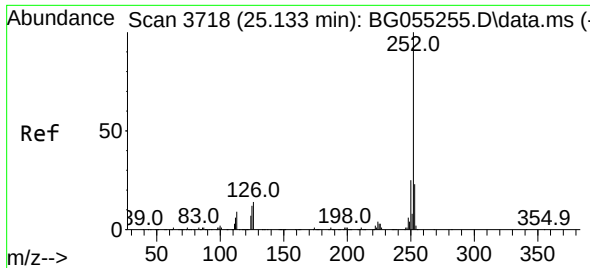
Reviewed By :Christian Giraldo 10/28/2022
Supervised By :mohammad ahmed 11/02/2022



#89
Benzo(k)fluoranthene
Concen: 14.020 ng m
RT: 24.278 min Scan# 3572
Delta R.T. -0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

Tgt Ion:252 Resp: 220998
Ion Ratio Lower Upper
252 100
253 24.1 18.6 27.8
125 10.9 9.1 13.7





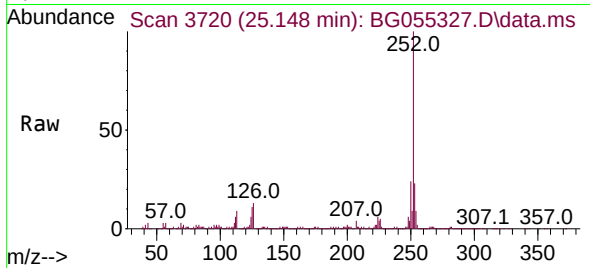
#90
Benzo(a)pyrene
Concen: 35.066 ng
RT: 25.148 min Scan# 3718
Delta R.T. 0.015 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

Instrument :

BNA_G

ClientSampleId :

CHRT-20430DL

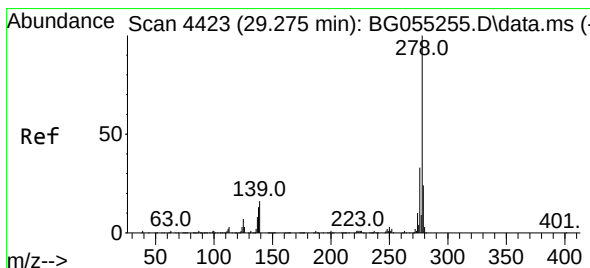
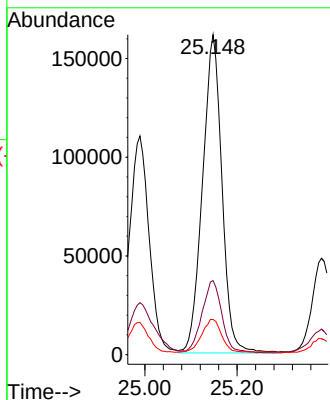
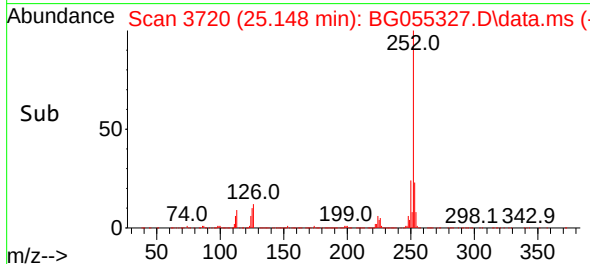


Tgt Ion:252 Resp: 469420
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.2
125 11.0 9.8 14.8

Manual Integrations

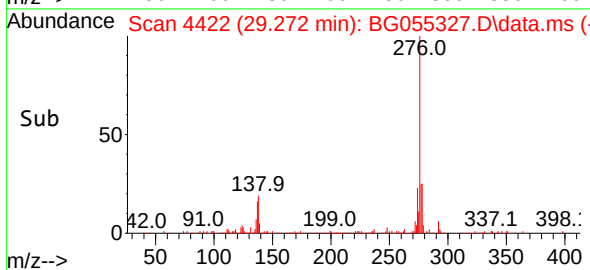
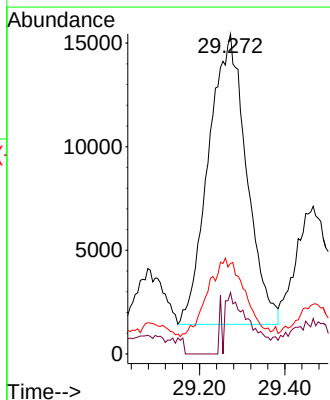
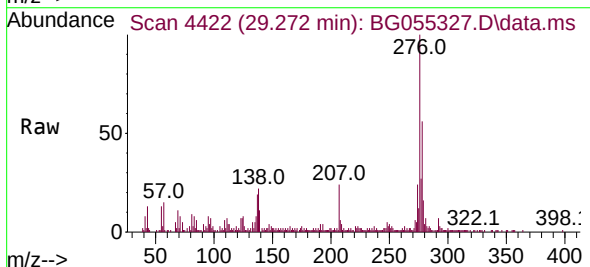
APPROVED

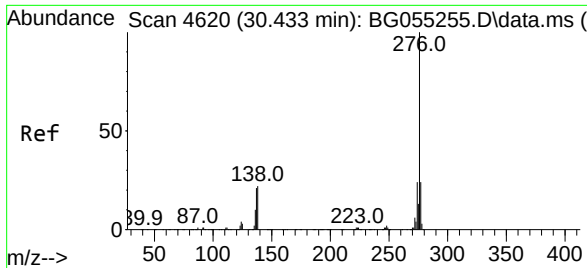
Reviewed By :Christian Giraldo 10/28/2022
Supervised By :mohammad ahmed 11/02/2022



#91
Dibenzo(a,h)anthracene
Concen: 5.510 ng
RT: 29.272 min Scan# 4422
Delta R.T. -0.003 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

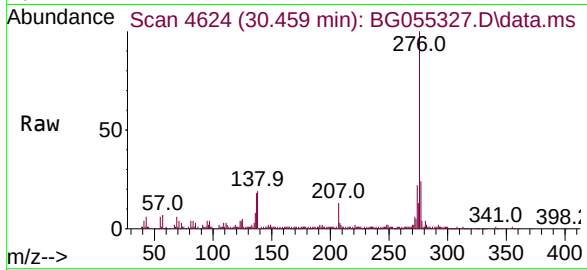
Tgt Ion:278 Resp: 86676
Ion Ratio Lower Upper
278 100
139 19.1 12.9 19.3
279 28.3 19.0 28.6





#92
Benzo(g,h,i)perylene
Concen: 22.592 ng
RT: 30.459 min Scan# 4624
Delta R.T. 0.027 min
Lab File: BG055327.D
Acq: 27 Oct 2022 17:17

Instrument :
BNA_G
ClientSampleId :
CHRT-20430DL



Tgt Ion:276 Resp: 352468
Ion Ratio Lower Upper
276 100
277 23.7 19.1 28.7
138 19.3 17.2 25.8

Manual Integrations
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Reviewed By :Christian Giraldo 10/28/2022
Supervised By :mohammad ahmed 11/02/2022

