

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
 Data File : BG060497.D
 Acq On : 31 Jan 2024 00:05
 Operator : MA/JU
 Sample : P1285-03 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHESTNUT-ST-TP-2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2024
 Supervised By :Sohil Jodhani 01/31/2024

Quant Time: Jan 31 01:27:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.926	152	192600	20.000	ng	0.00
21) Naphthalene-d8	10.729	136	782233	20.000	ng	0.00
39) Acenaphthene-d10	14.560	164	568642	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	1334478	20.000	ng	0.00
76) Chrysene-d12	21.575	240	1217761	20.000	ng	0.00
86) Perylene-d12	24.736	264	1417769	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.500	112	199838	17.066	ng	0.00
7) Phenol-d6	7.092	99	305548	17.622	ng	0.00
23) Nitrobenzene-d5	9.084	82	197168	11.902	ng	0.00
42) 2,4,6-Tribromophenol	16.052	330	145062	17.339	ng	0.00
45) 2-Fluorobiphenyl	13.179	172	561692	13.733	ng	0.00
79) Terphenyl-d14	19.924	244	868276	10.427	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.611	166	87688	2.012	ng	95
71) Phenanthrene	17.357	178	1728302	26.794	ng	93
72) Anthracene	17.445	178	424344	6.589	ng	93
73) Carbazole	17.715	167	172862	2.847	ng	94
75) Fluoranthene	19.372	202	3105960	40.091	ng	91
78) Pyrene	19.730	202	2848194	36.625	ng	# 90
81) Benzo(a)anthracene	21.557	228	1429153	18.957	ng	93
83) Chrysene	21.622	228	1343016	18.113	ng	92
87) Indeno(1,2,3-cd)pyrene	28.332	276	686877	6.968	ng	# 67
88) Benzo(b)fluoranthene	23.731	252	1584427	18.917	ng	96
89) Benzo(k)fluoranthene	23.790	252	514209m	6.221	ng	
90) Benzo(a)pyrene	24.589	252	1239873	16.387	ng	99
91) Dibenzo(a,h)anthracene	28.385	278	166600m	2.069	ng	
92) Benzo(g,h,i)perylene	29.454	276	706485	8.562	ng	96

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

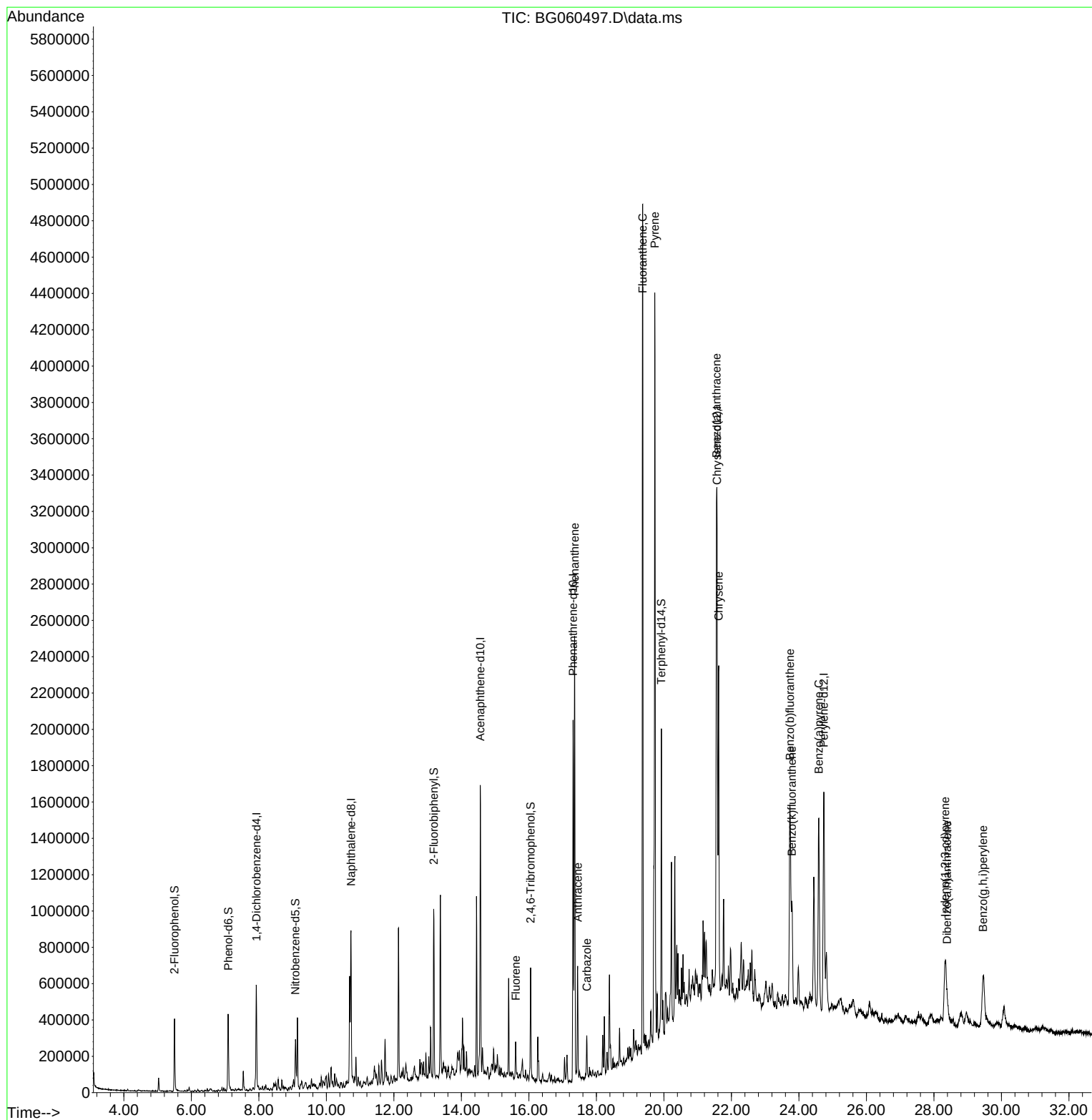
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060497.D
Acq On : 31 Jan 2024 00:05
Operator : MA/JU
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ALS Vial : 11 Sample Multiplier: 1

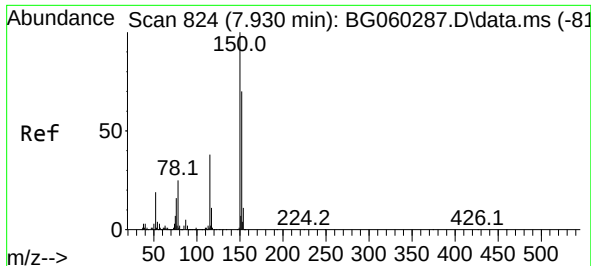
Instrument :
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ClientSampleId :
CHESTNUT-ST-TP-2

Quant Time: Jan 31 01:27:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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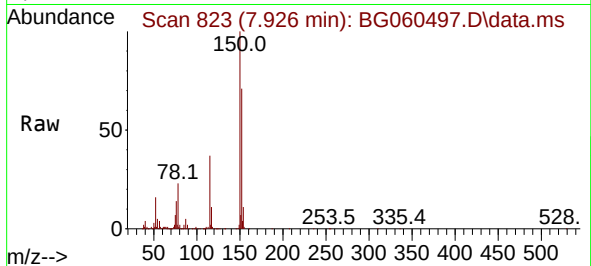
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.926 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG060497.D
Acq: 31 Jan 2024 00:05

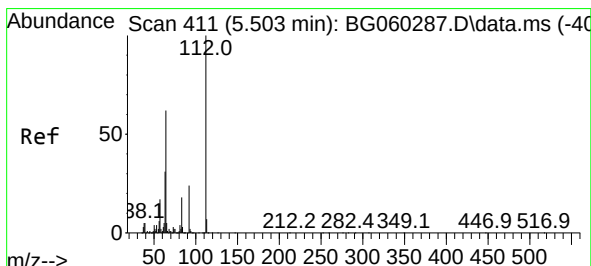
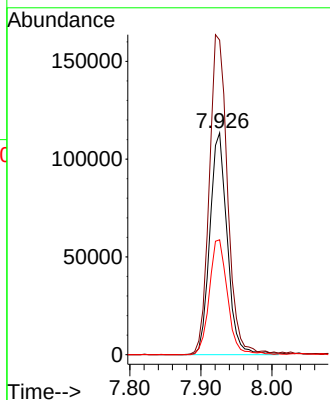
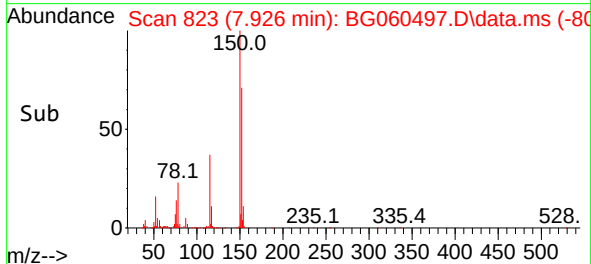
Instrument :
BNA_G
ClientSampleId :
CHESTNUT-ST-TP-2



Tgt Ion:152 Resp: 192600
Ion Ratio Lower Upper
152 100
150 141.8 114.5 171.7
115 51.8 43.0 64.6

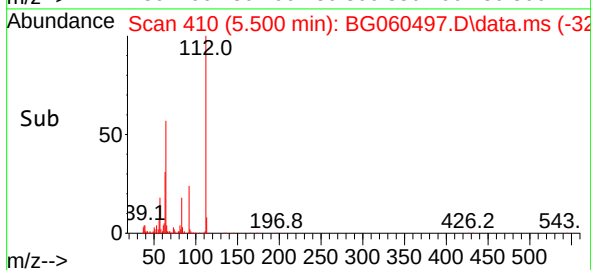
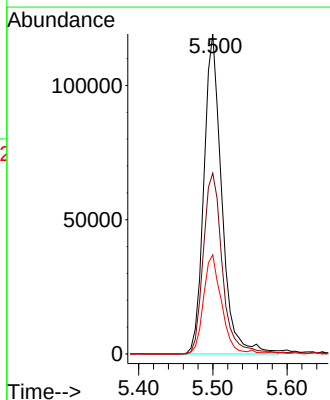
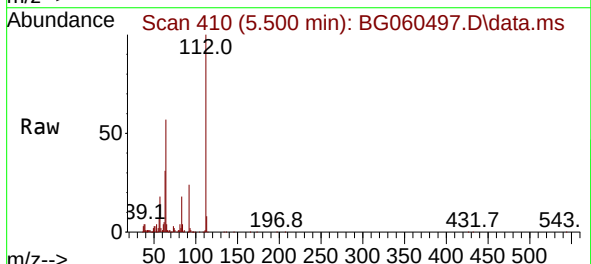
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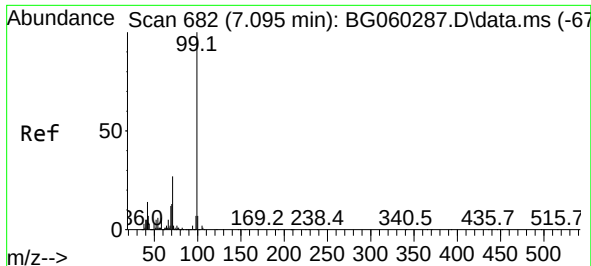
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#5
2-Fluorophenol
Concen: 17.066 ng
RT: 5.500 min Scan# 410
Delta R.T. -0.003 min
Lab File: BG060497.D
Acq: 31 Jan 2024 00:05

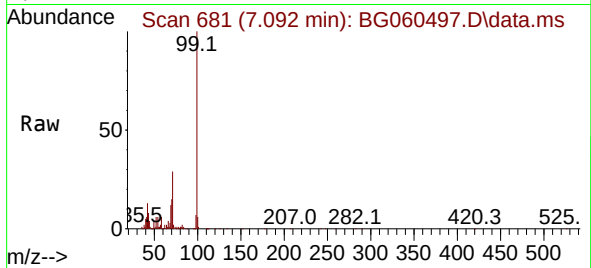
Tgt Ion:112 Resp: 199838
Ion Ratio Lower Upper
112 100
64 56.5 49.8 74.6
63 31.0 24.4 36.6





#7
Phenol-d6
Concen: 17.622 ng
RT: 7.092 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG060497.D
Acq: 31 Jan 2024 00:05

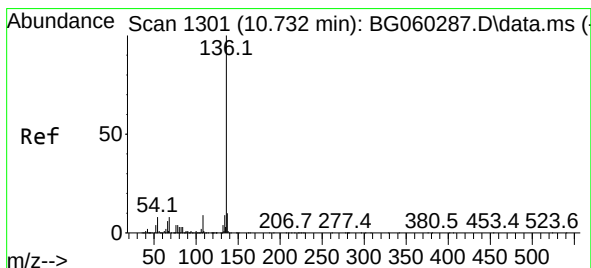
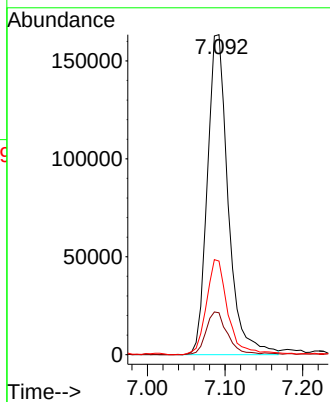
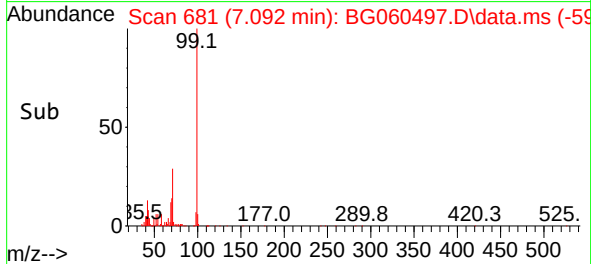
Instrument :
BNA_G
ClientSampleId :
CHESTNUT-ST-TP-2



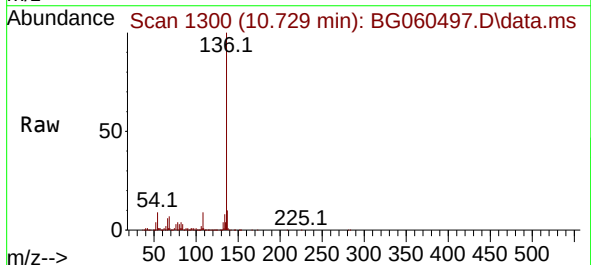
Tgt Ion: 99 Resp: 305548
Ion Ratio Lower Upper
99 100
42 13.1 10.9 16.3
71 29.3 21.5 32.3

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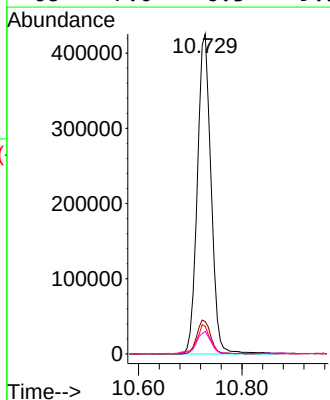
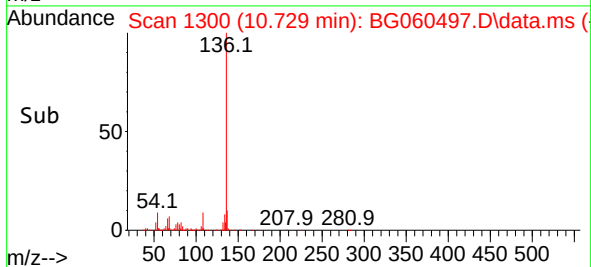
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024

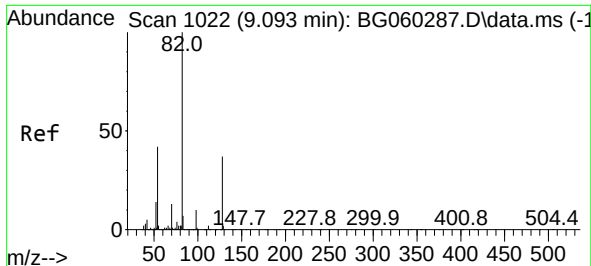


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.729 min Scan# 1300
Delta R.T. -0.003 min
Lab File: BG060497.D
Acq: 31 Jan 2024 00:05



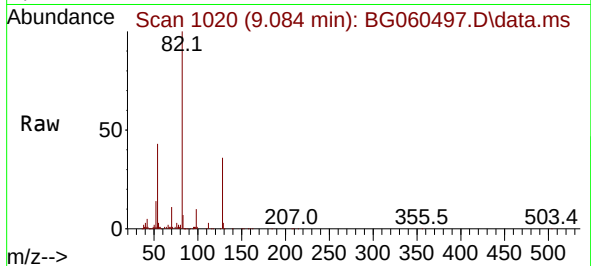
Tgt Ion:136 Resp: 782233
Ion Ratio Lower Upper
136 100
137 10.1 8.2 12.4
54 8.7 6.2 9.2
68 7.0 6.3 9.5





#23
Nitrobenzene-d5
Concen: 11.902 ng
RT: 9.084 min Scan# 1022
Delta R.T. -0.009 min
Lab File: BG060497.D
Acq: 31 Jan 2024 00:05

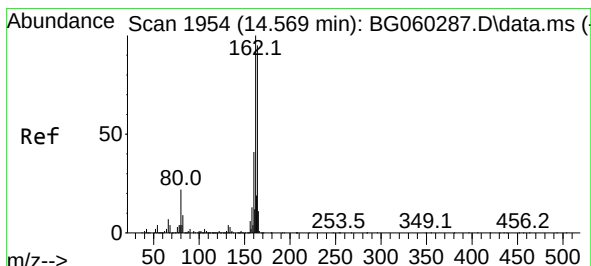
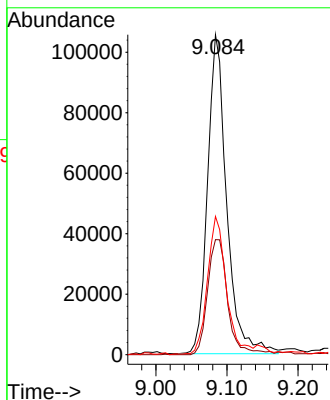
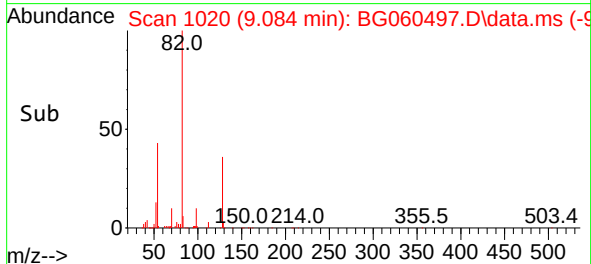
Instrument :
BNA_G
ClientSampleId :
CHESTNUT-ST-TP-2



Tgt Ion: 82 Resp: 197168
Ion Ratio Lower Upper
82 100
128 36.0 29.6 44.4
54 43.2 33.6 50.4

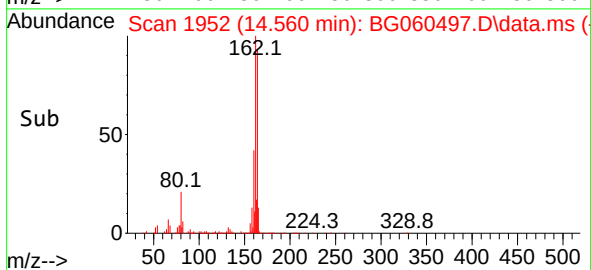
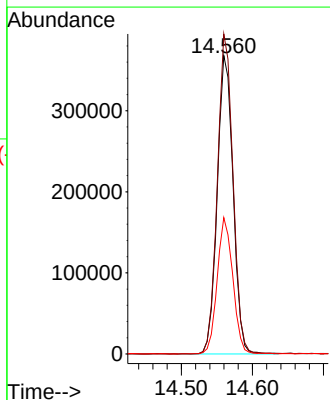
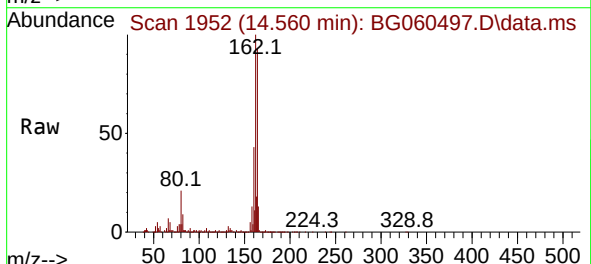
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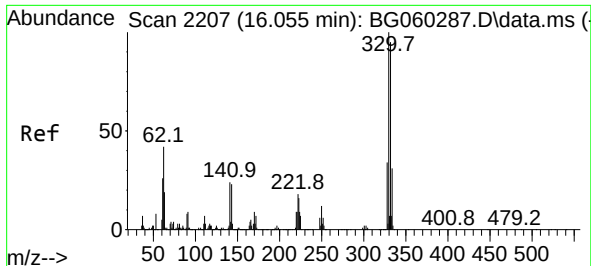
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.560 min Scan# 1952
Delta R.T. -0.009 min
Lab File: BG060497.D
Acq: 31 Jan 2024 00:05

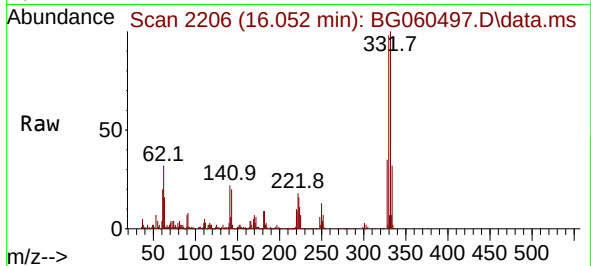
Tgt Ion:164 Resp: 568642
Ion Ratio Lower Upper
164 100
162 107.3 84.4 126.6
160 45.7 34.6 52.0





#42
2,4,6-Tribromophenol
Concen: 17.339 ng
RT: 16.052 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG060497.D
Acq: 31 Jan 2024 00:05

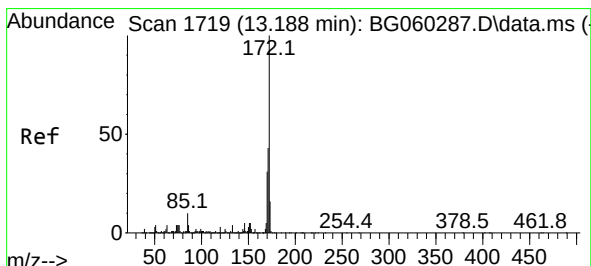
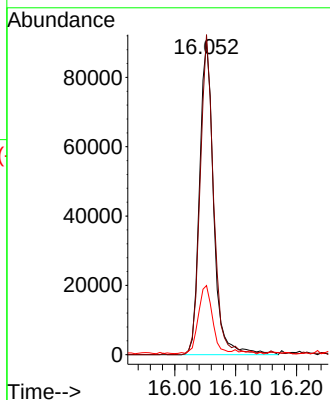
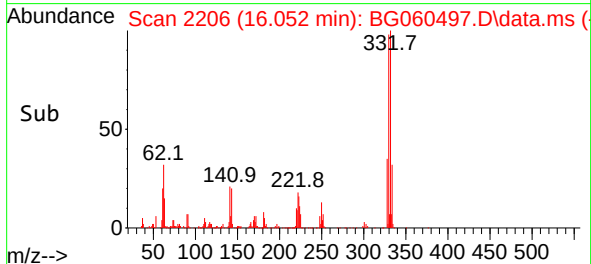
Instrument :
BNA_G
ClientSampleId :
CHESTNUT-ST-TP-2



Tgt Ion:330 Resp: 145062
Ion Ratio Lower Upper
330 100
332 97.3 76.7 115.1
141 21.8 18.6 28.0

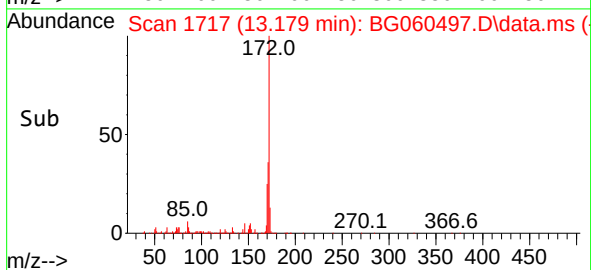
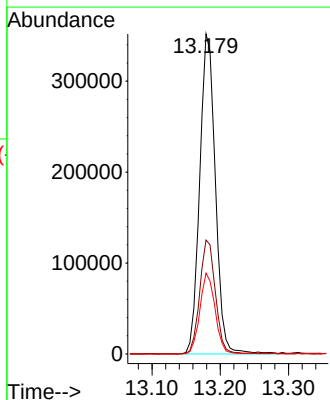
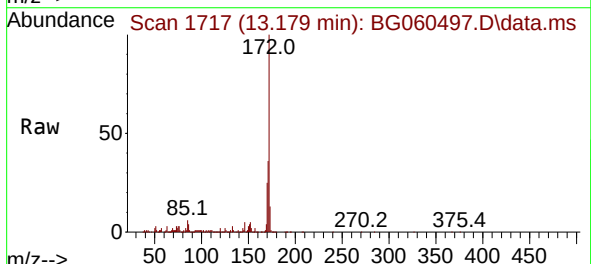
Manual Integrations
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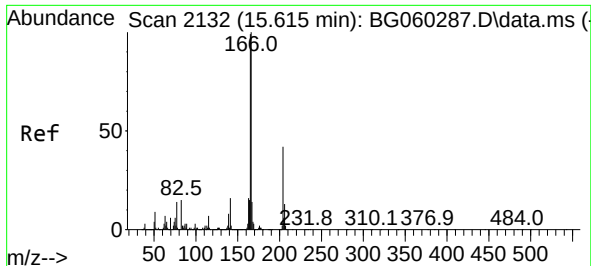
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#45
2-Fluorobiphenyl
Concen: 13.733 ng
RT: 13.179 min Scan# 1717
Delta R.T. -0.009 min
Lab File: BG060497.D
Acq: 31 Jan 2024 00:05

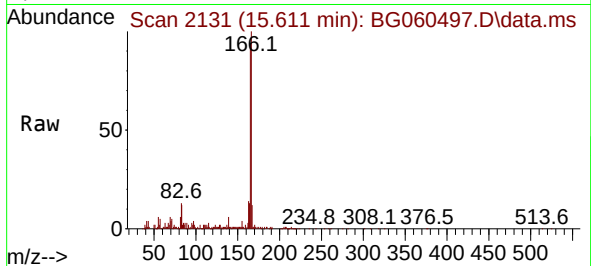
Tgt Ion:172 Resp: 561692
Ion Ratio Lower Upper
172 100
171 35.6 34.6 51.8
170 25.2 24.4 36.6





#58
Fluorene
Concen: 2.012 ng
RT: 15.611 min Scan# 2131
Delta R.T. -0.003 min
Lab File: BG060497.D
Acq: 31 Jan 2024 00:05

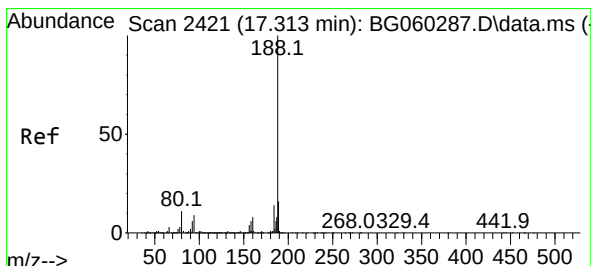
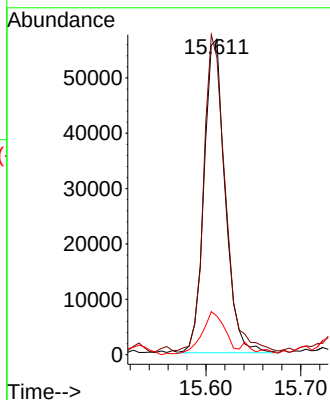
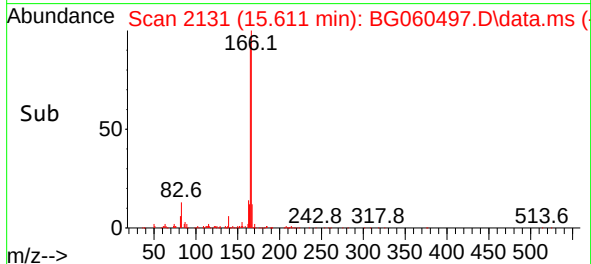
Instrument :
BNA_G
ClientSampleId :
CHESTNUT-ST-TP-2



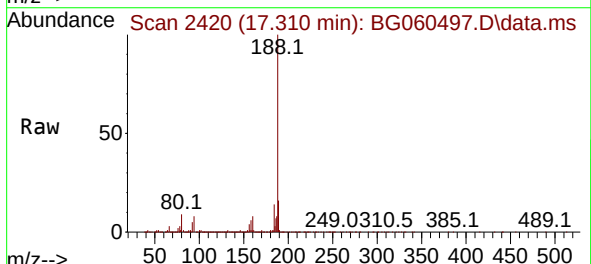
Tgt Ion:166 Resp: 87688
Ion Ratio Lower Upper
166 100
165 94.1 79.0 118.6
167 12.2 11.4 17.0

Manual Integrations
APPROVED

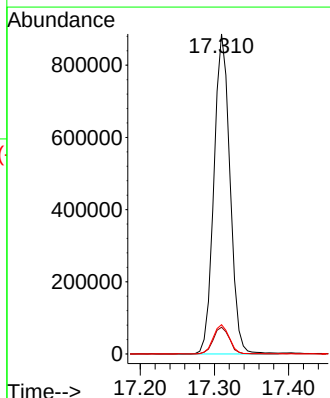
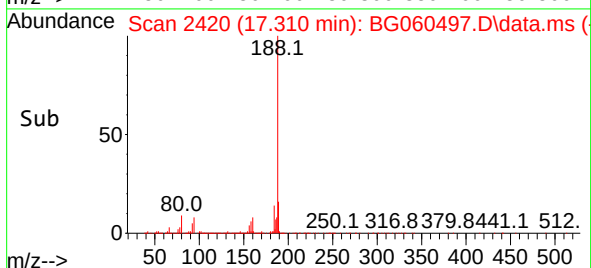
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024

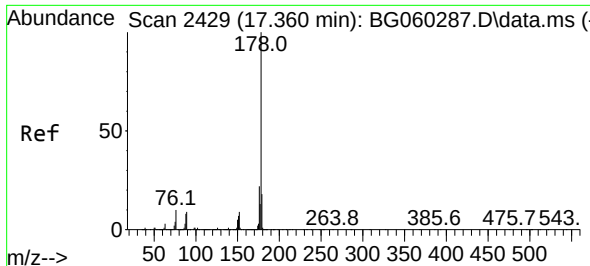


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2420
Delta R.T. -0.003 min
Lab File: BG060497.D
Acq: 31 Jan 2024 00:05



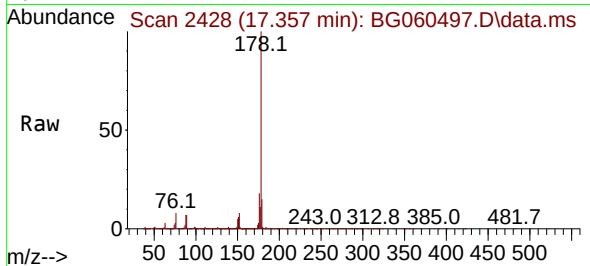
Tgt Ion:188 Resp: 1334478
Ion Ratio Lower Upper
188 100
94 8.4 7.1 10.7
80 9.2 8.5 12.7





#71
Phenanthrene
Concen: 26.794 ng
RT: 17.357 min Scan# 2428
Delta R.T. -0.003 min
Lab File: BG060497.D
Acq: 31 Jan 2024 00:05

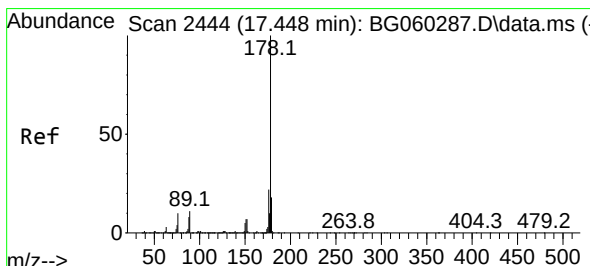
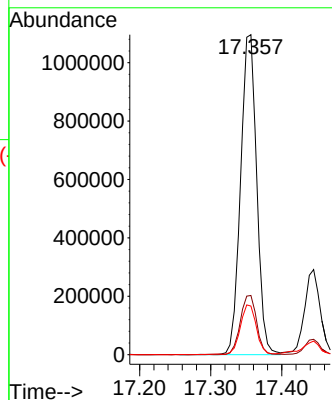
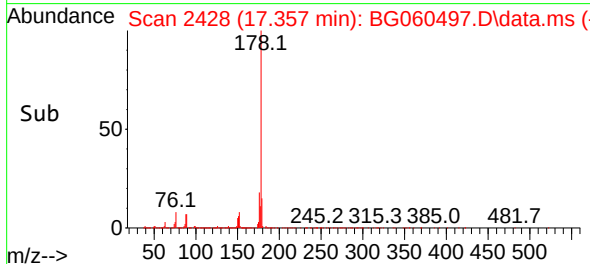
Instrument :
BNA_G
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CHESTNUT-ST-TP-2



Tgt Ion:178 Resp: 172830
Ion Ratio Lower Upper
178 100
176 18.5 17.4 26.2
179 15.2 14.7 22.1

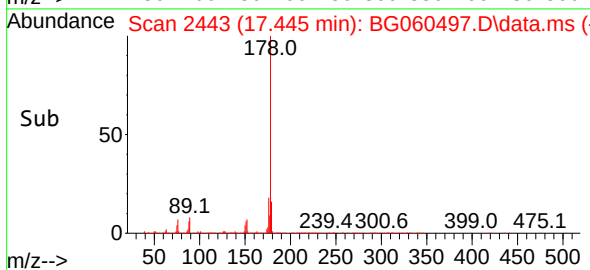
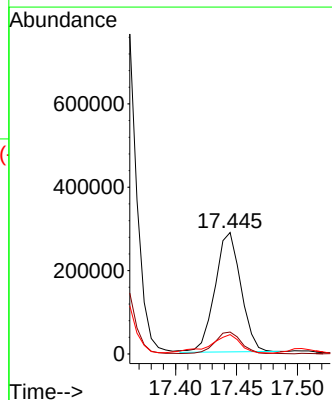
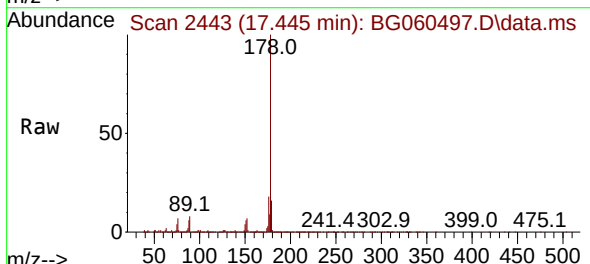
Manual Integrations
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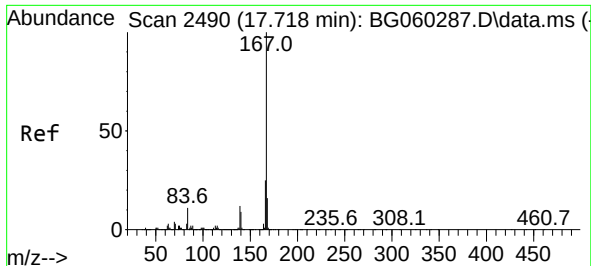
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#72
Anthracene
Concen: 6.589 ng
RT: 17.445 min Scan# 2443
Delta R.T. -0.003 min
Lab File: BG060497.D
Acq: 31 Jan 2024 00:05

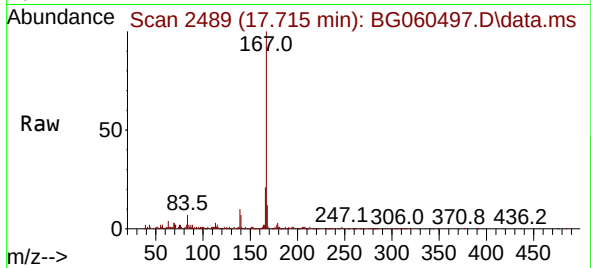
Tgt Ion:178 Resp: 424344
Ion Ratio Lower Upper
178 100
176 18.0 17.8 26.6
179 16.0 14.1 21.1





#73
 Carbazole
 Concen: 2.847 ng
 RT: 17.715 min Scan# 2490
 Delta R.T. -0.003 min
 Lab File: BG060497.D
 Acq: 31 Jan 2024 00:05

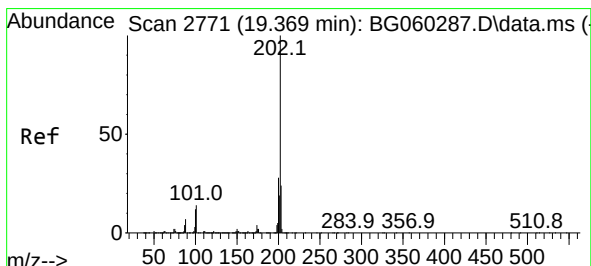
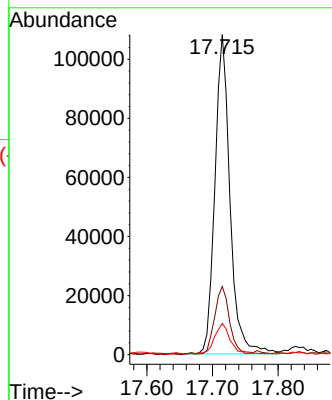
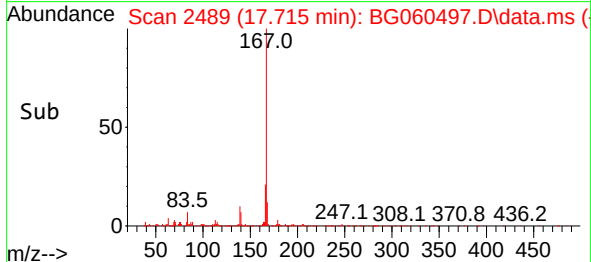
Instrument :
 BNA_G
 ClientSampleId :
 CHESTNUT-ST-TP-2



Tgt Ion:167 Resp: 172862
 Ion Ratio Lower Upper
 167 100
 166 21.3 19.8 29.8
 139 9.8 9.3 13.9

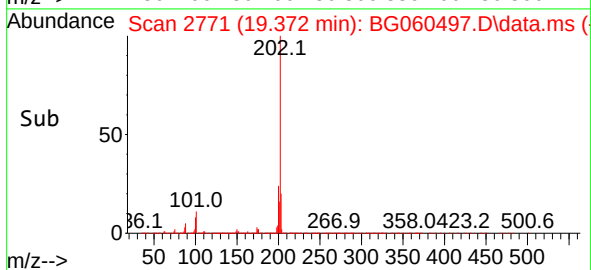
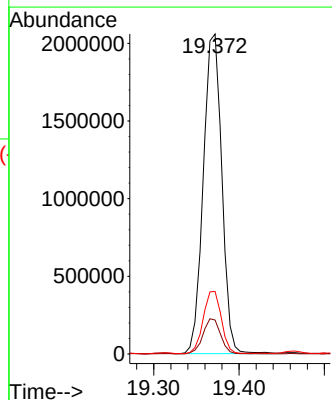
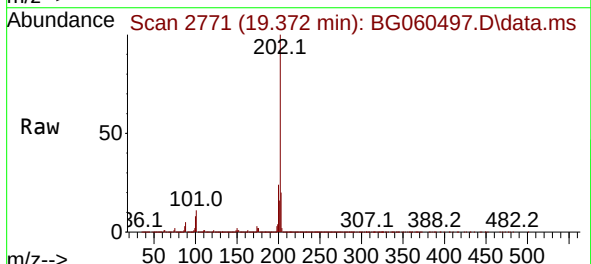
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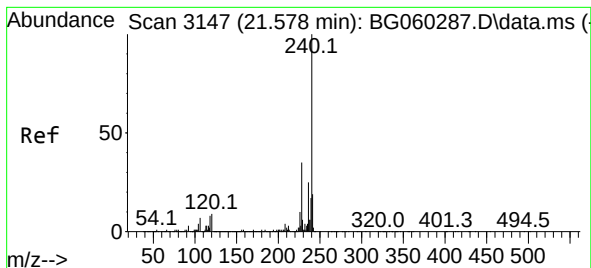
Reviewed By :Jagrut Upadhyay 01/31/2024
 Supervised By :Sohil Jodhani 01/31/2024



#75
 Fluoranthene
 Concen: 40.091 ng
 RT: 19.372 min Scan# 2771
 Delta R.T. 0.003 min
 Lab File: BG060497.D
 Acq: 31 Jan 2024 00:05

Tgt Ion:202 Resp: 3105960
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 34.4
 203 19.6 4.0 44.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.575 min Scan# 3147

Delta R.T. -0.003 min

Lab File: BG060497.D

Acq: 31 Jan 2024 00:05

Instrument :

BNA_G

ClientSampleId :

CHESTNUT-ST-TP-2

Tgt Ion:240 Resp: 121776

Ion Ratio Lower Upper

240 100

120 7.8 7.3 10.9

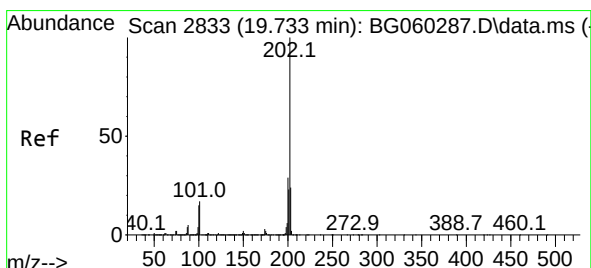
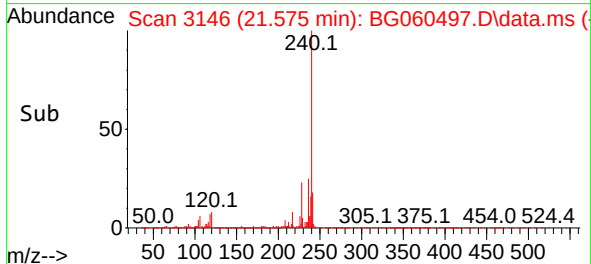
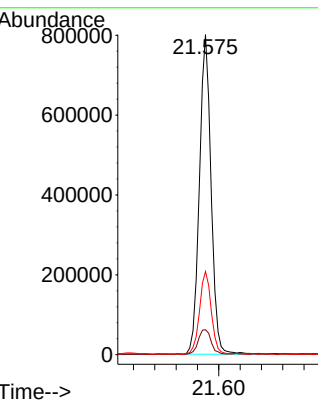
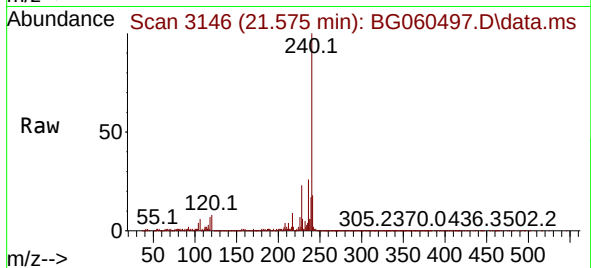
236 26.0 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2024

Supervised By :Sohil Jodhani 01/31/2024



#78

Pyrene

Concen: 36.625 ng

RT: 19.730 min Scan# 2832

Delta R.T. -0.003 min

Lab File: BG060497.D

Acq: 31 Jan 2024 00:05

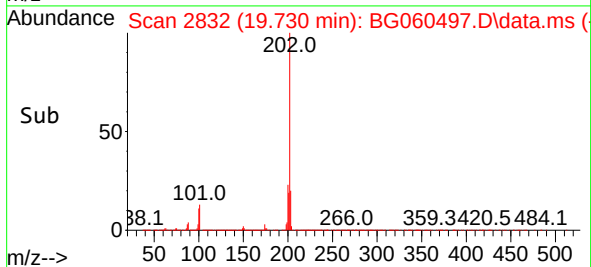
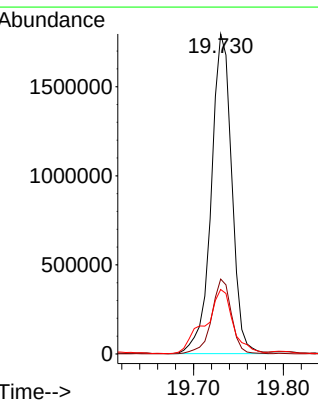
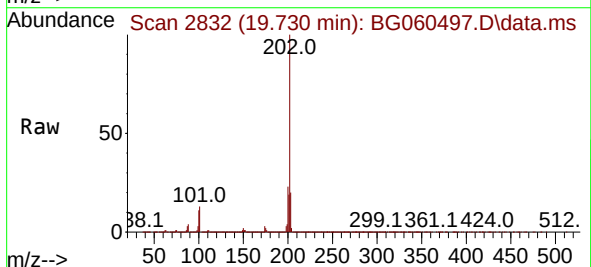
Tgt Ion:202 Resp: 2848194

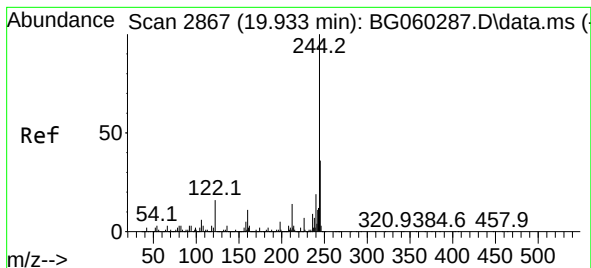
Ion Ratio Lower Upper

202 100

200 23.4 23.5 35.3#

203 20.2 19.6 29.4





#79

Terphenyl-d14

Concen: 10.427 ng

RT: 19.924 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG060497.D

Acq: 31 Jan 2024 00:05

Instrument :

BNA_G

ClientSampleId :

CHESTNUT-ST-TP-2

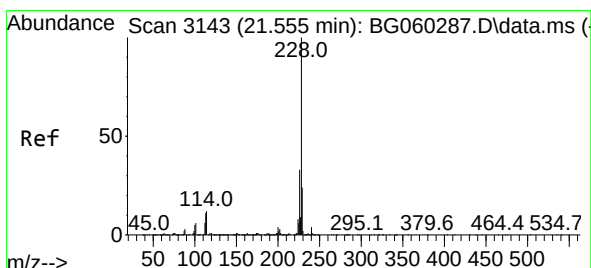
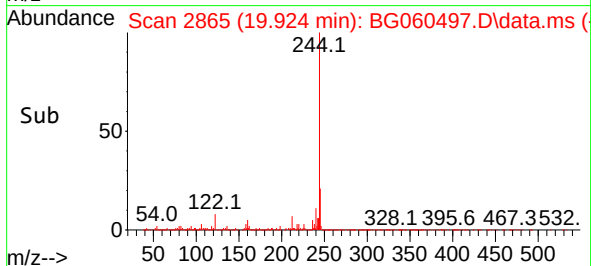
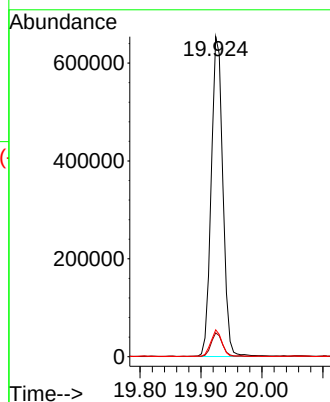
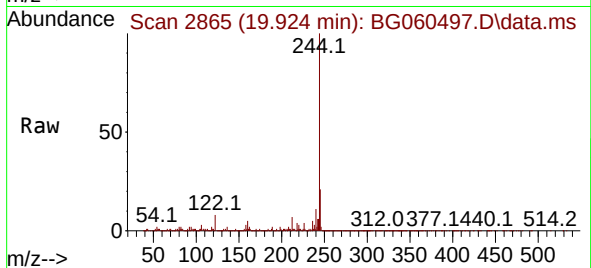
Tgt Ion:244 Resp: 868270

Ion	Ratio	Lower	Upper
244	100		
212	7.4	10.9	16.3
122	8.4	12.6	18.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#81

Benzo(a)anthracene

Concen: 18.957 ng

RT: 21.557 min Scan# 3143

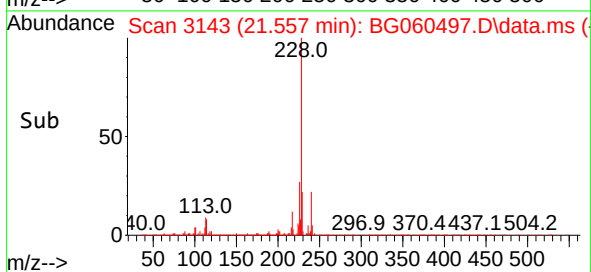
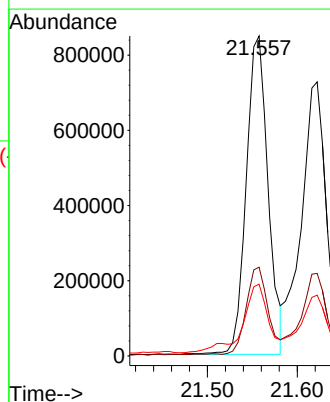
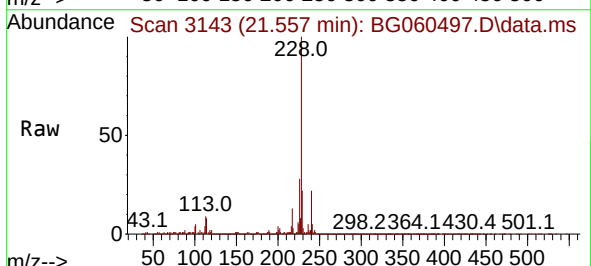
Delta R.T. 0.003 min

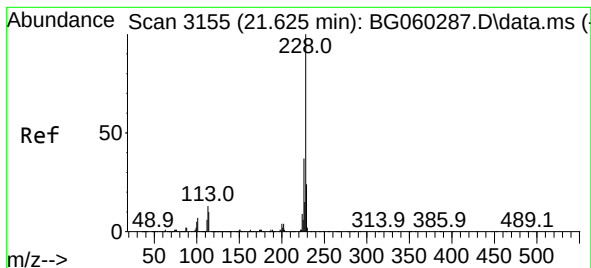
Lab File: BG060497.D

Acq: 31 Jan 2024 00:05

Tgt Ion:228 Resp: 1429153

Ion	Ratio	Lower	Upper
228	100		
226	27.7	26.2	39.2
229	22.4	19.4	29.2





#83

Chrysene

Concen: 18.113 ng

RT: 21.622 min Scan# 3155

Delta R.T. -0.003 min

Lab File: BG060497.D

Acq: 31 Jan 2024 00:05

Instrument :

BNA_G

ClientSampleId :

CHESTNUT-ST-TP-2

Tgt Ion:228 Resp: 1343010

Ion Ratio Lower Upper

228 100

226 30.1 29.4 44.2

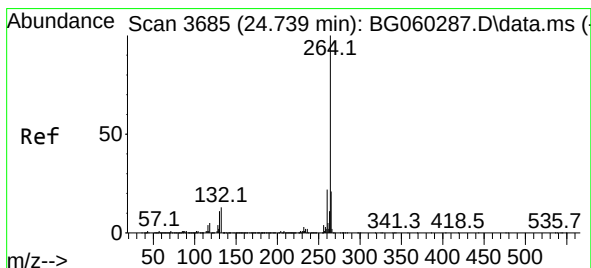
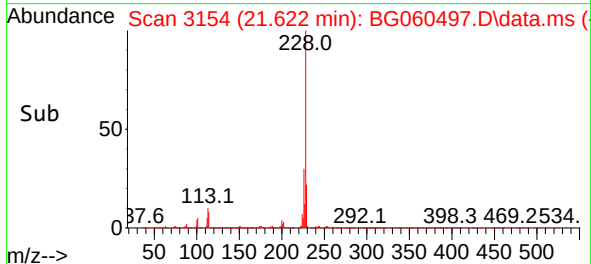
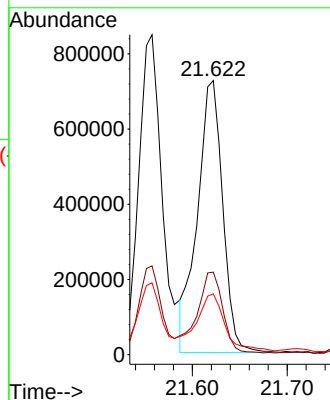
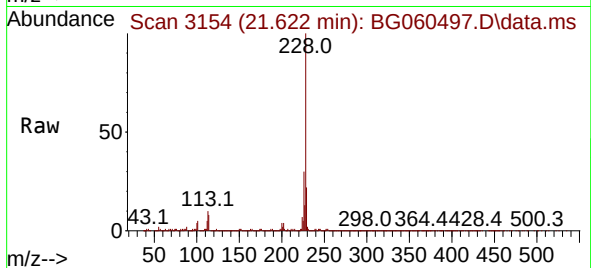
229 22.2 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2024

Supervised By :Sohil Jodhani 01/31/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.736 min Scan# 3684

Delta R.T. -0.003 min

Lab File: BG060497.D

Acq: 31 Jan 2024 00:05

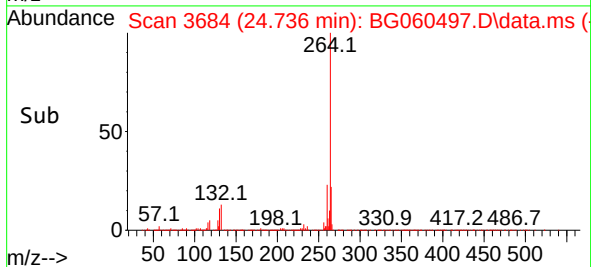
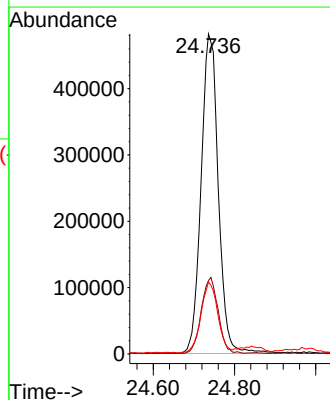
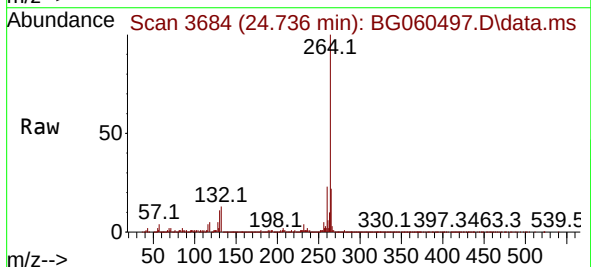
Tgt Ion:264 Resp: 1417769

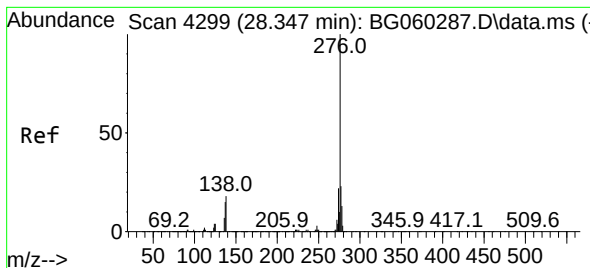
Ion Ratio Lower Upper

264 100

260 22.9 17.8 26.6

265 22.5 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.968 ng

RT: 28.332 min Scan# 41

Delta R.T. -0.015 min

Lab File: BG060497.D

Acq: 31 Jan 2024 00:05

Instrument :

BNA_G

ClientSampleId :

CHESTNUT-ST-TP-2

Tgt Ion: 276 Resp: 68687

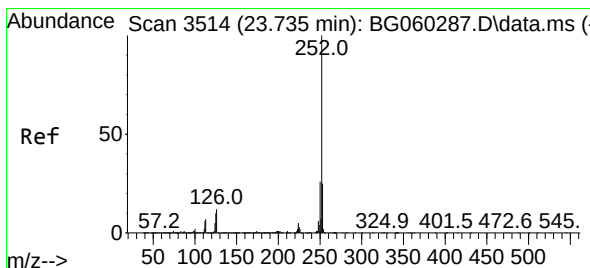
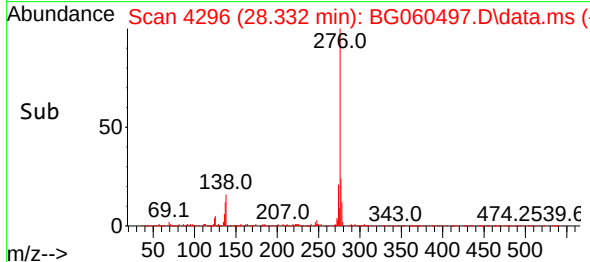
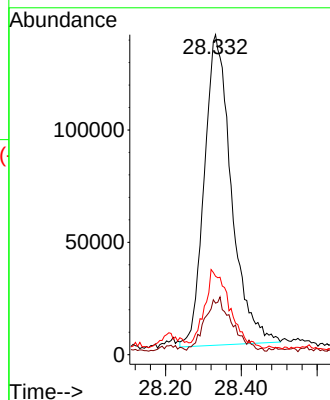
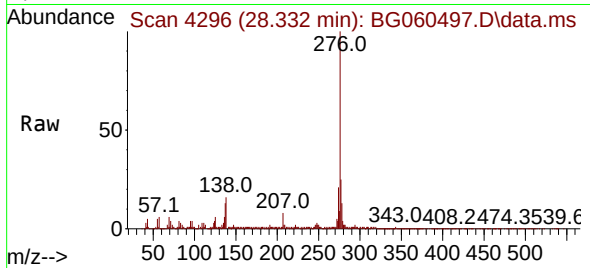
Ion	Ratio	Lower	Upper
276	100		
138	17.5	12.5	18.7
277	0.0	20.5	30.7

Manual Integrations

APPROVED

Reviewed By : Jagrut Upadhyay 01/31/2024

Supervised By : Sohil Jodhani 01/31/2024



#88

Benzo(b)fluoranthene

Concen: 18.917 ng

RT: 23.731 min Scan# 3513

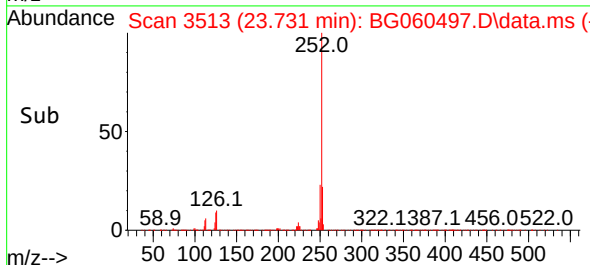
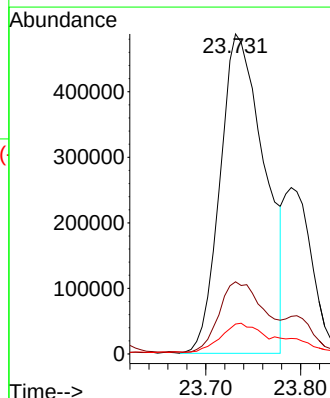
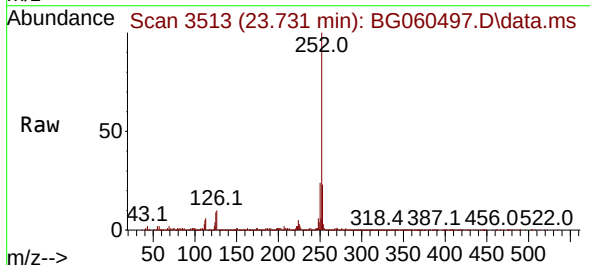
Delta R.T. -0.003 min

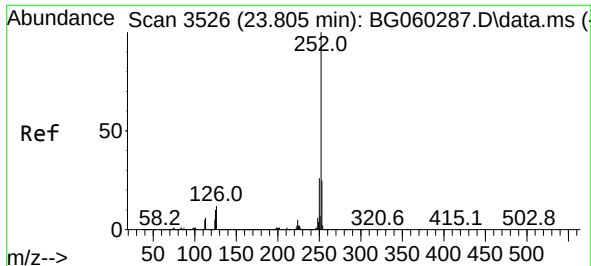
Lab File: BG060497.D

Acq: 31 Jan 2024 00:05

Tgt Ion: 252 Resp: 1584427

Ion	Ratio	Lower	Upper
252	100		
253	22.5	20.0	30.0
125	9.4	8.1	12.1





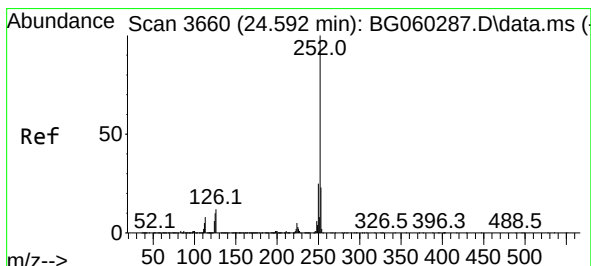
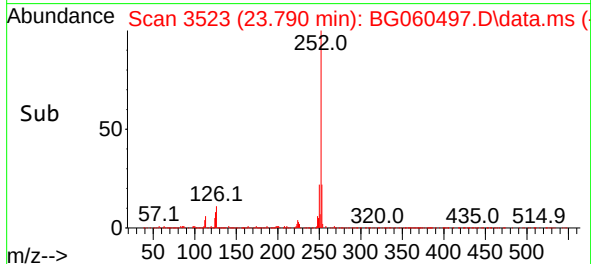
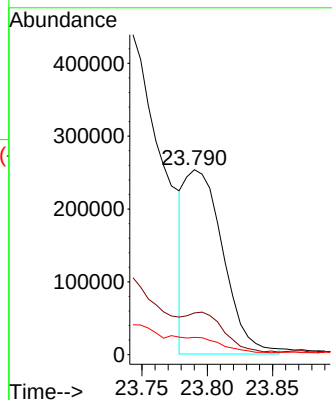
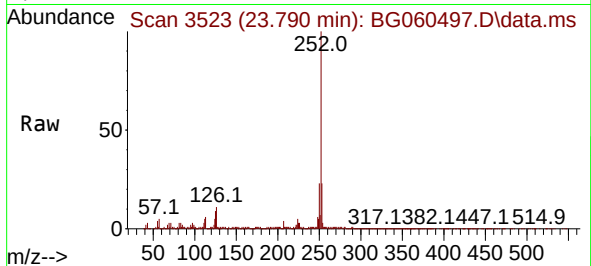
#89
Benzo(k)fluoranthene
Concen: 6.221 ng m
RT: 23.790 min Scan# 31
Delta R.T. -0.015 min
Lab File: BG060497.D
Acq: 31 Jan 2024 00:05

Instrument :
BNA_G
ClientSampleId :
CHESTNUT-ST-TP-2

Tgt Ion:252 Resp: 514209
Ion Ratio Lower Upper
252 100
253 22.6 19.6 29.4
125 9.4 8.2 12.2

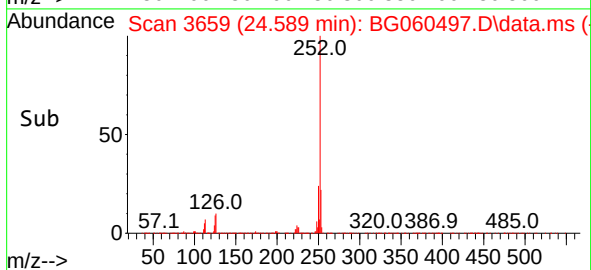
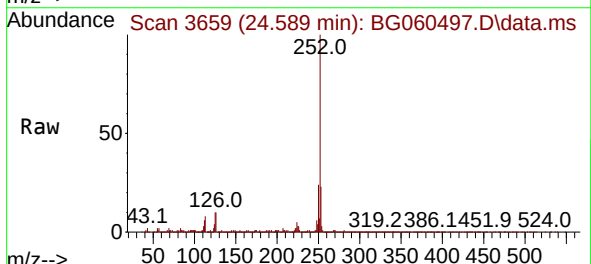
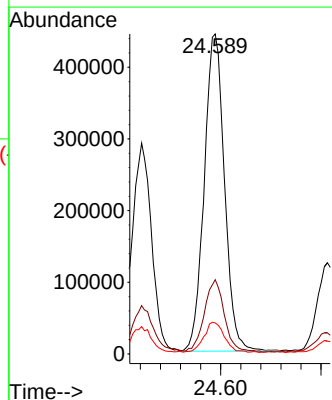
Manual Integrations
APPROVED

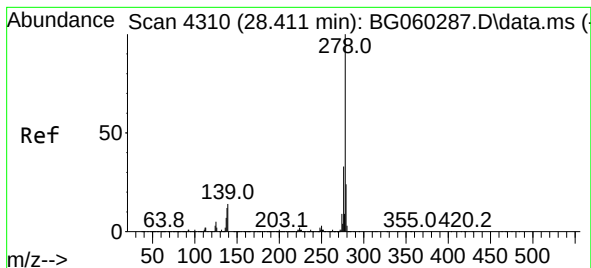
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#90
Benzo(a)pyrene
Concen: 16.387 ng
RT: 24.589 min Scan# 3659
Delta R.T. -0.003 min
Lab File: BG060497.D
Acq: 31 Jan 2024 00:05

Tgt Ion:252 Resp: 1239873
Ion Ratio Lower Upper
252 100
253 23.2 18.1 27.1
125 9.7 8.1 12.1





#91

Dibenzo(a,h)anthracene

Concen: 2.069 ng m

RT: 28.385 min Scan# 41

Delta R.T. -0.027 min

Lab File: BG060497.D

Acq: 31 Jan 2024 00:05

Instrument :

BNL_G

ClientSampleId :

CHESTNUT-ST-TP-2

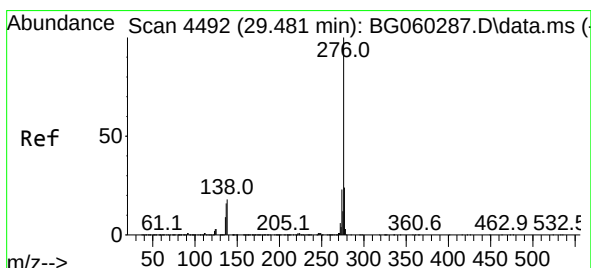
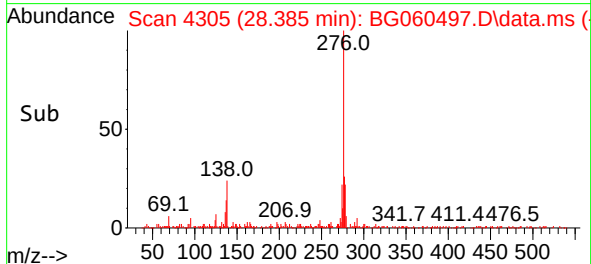
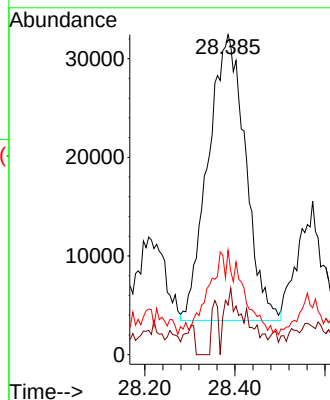
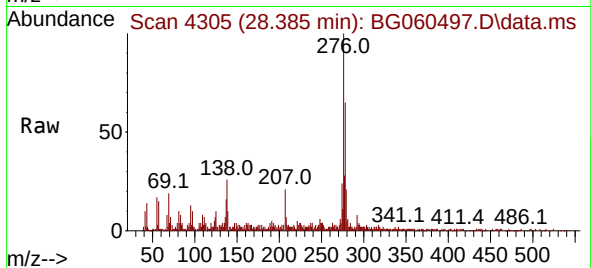
Tgt Ion:278 Resp: 166600

Ion	Ratio	Lower	Upper
278	100		
139	15.5	10.9	16.3
279	32.6	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#92

Benzo(g,h,i)perylene

Concen: 8.562 ng

RT: 29.454 min Scan# 4487

Delta R.T. -0.027 min

Lab File: BG060497.D

Acq: 31 Jan 2024 00:05

Tgt Ion:276 Resp: 706485

Ion	Ratio	Lower	Upper
276	100		
277	22.0	19.4	29.0
138	19.0	14.2	21.4

