

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
 Data File : BP009576.D
 Acq On : 28 Mar 2022 21:10
 Operator : CG/JU
 Sample : N2103-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RBR-200055

Manual Integrations
 APPROVED

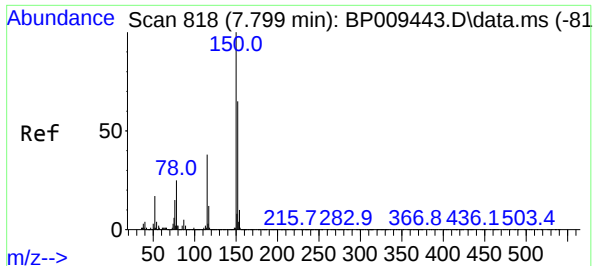
Reviewed By : Christian Giraldo 03/29/2022
 Supervised By : Jagrut Upadhyay 03/29/2022

Quant Time: Mar 29 03:14:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 06:34:38 2022
 Response via : Initial Calibration

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

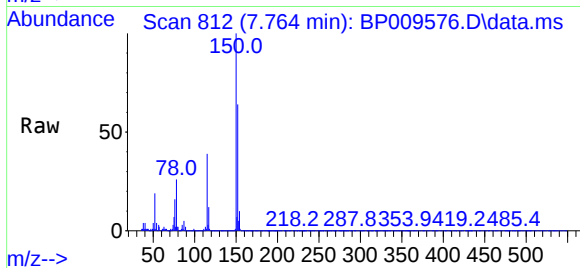
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.764	152	312795	20.000	ng	-0.01
21) Naphthalene-d8	10.557	136	1283807	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	820298	20.000	ng	-0.01
64) Phenanthrene-d10	17.175	188	1673804	20.000	ng	-0.01
76) Chrysene-d12	21.292	240	1645216	20.000	ng	0.00
86) Perylene-d12	23.686	264	1770866	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2041259	113.937	ng	0.00
7) Phenol-d6	6.958	99	2611463	107.785	ng	0.00
23) Nitrobenzene-d5	8.922	82	1644983	68.091	ng	-0.01
42) 2,4,6-Tribromophenol	15.910	330	1196179	88.368	ng	-0.01
45) 2-Fluorobiphenyl	13.034	172	3994880	67.513	ng	0.00
79) Terphenyl-d14	19.757	244	6148520	67.079	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.216	178	944816	10.545	ng	99
72) Anthracene	17.310	178	322586	3.647	ng	98
75) Fluoranthene	19.204	202	1972869	18.188	ng	98
78) Pyrene	19.557	202	1838605	16.959	ng	100
81) Benzo(a)anthracene	21.280	228	858349	7.941	ng	97
83) Chrysene	21.328	228	797639	7.793	ng	97
84) Bis(2-ethylhexyl)phtha...	21.210	149	335624	5.225	ng	100
87) Indeno(1,2,3-cd)pyrene	26.168	276	537256	3.999	ng	# 94
88) Benzo(b)fluoranthene	22.963	252	1080970m	10.225	ng	
89) Benzo(k)fluoranthene	23.004	252	339634m	3.281	ng	
90) Benzo(a)pyrene	23.580	252	817242	9.035	ng	98
92) Benzo(g,h,i)perylene	26.939	276	558452	5.070	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.764 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

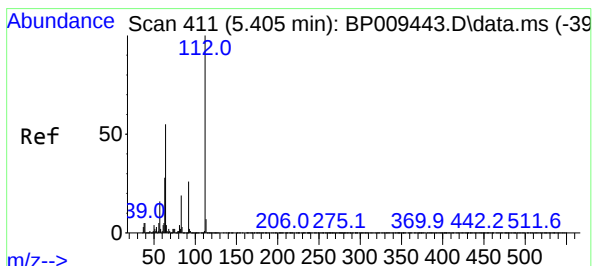
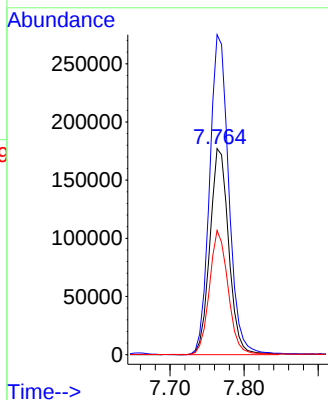
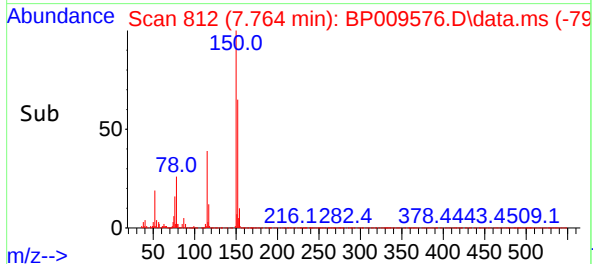
Instrument :
BNA_P
ClientSampleId :
RBR-200055



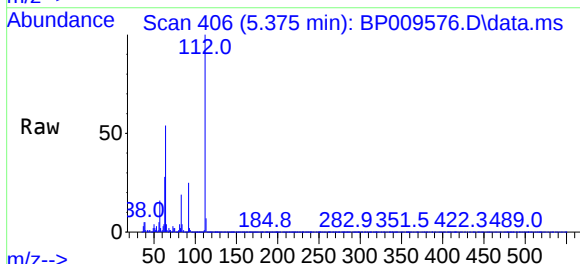
Tgt Ion:152 Resp: 31279
Ion Ratio Lower Upper
152 100
150 155.2 124.5 186.7
115 60.2 48.2 72.4

Manual Integrations
APPROVED

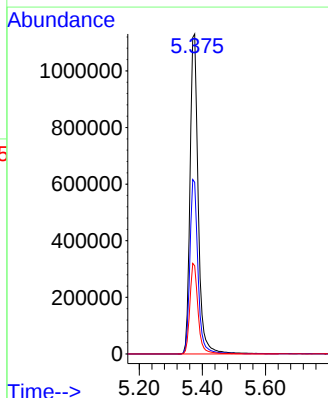
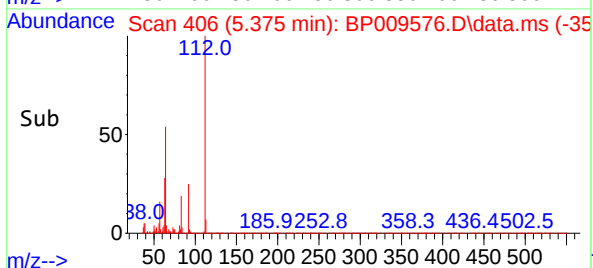
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022

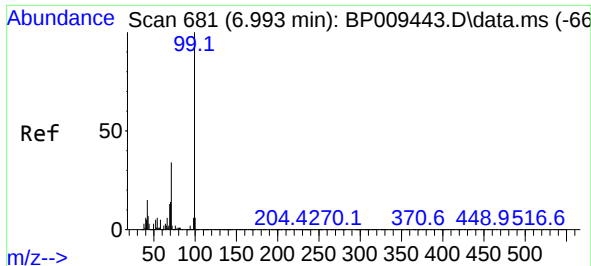


#5
2-Fluorophenol
Concen: 113.937 ng
RT: 5.375 min Scan# 406
Delta R.T. 0.000 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10



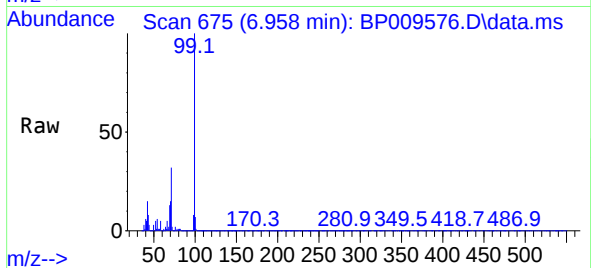
Tgt Ion:112 Resp: 2041259
Ion Ratio Lower Upper
112 100
64 53.6 45.0 67.4
63 27.5 23.0 34.6





#7
Phenol-d6
Concen: 107.785 ng
RT: 6.958 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

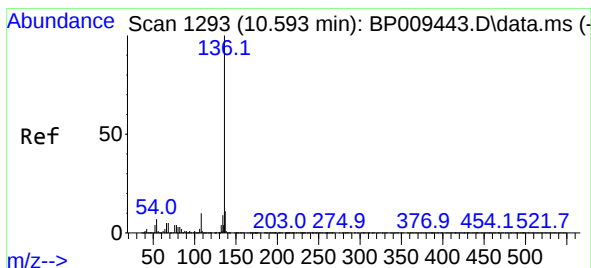
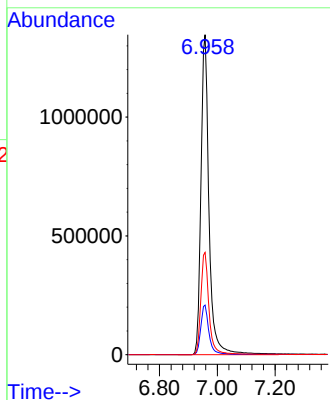
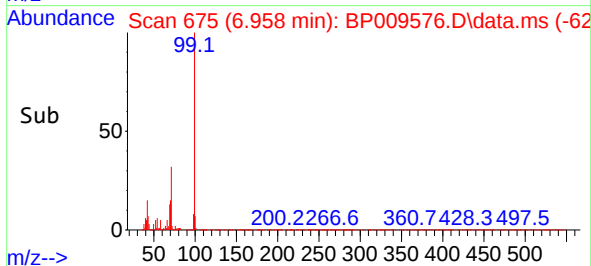
Instrument :
BNA_P
ClientSampleId :
RBR-200055



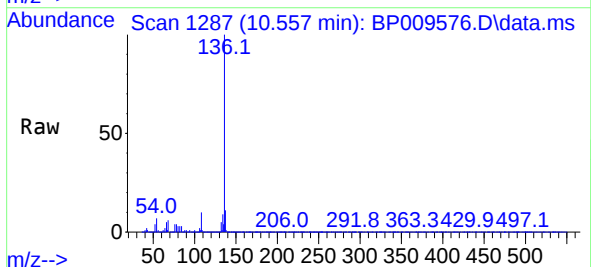
Tgt Ion: 99 Resp: 261146
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 31.9 26.3 39.5

Manual Integrations
APPROVED

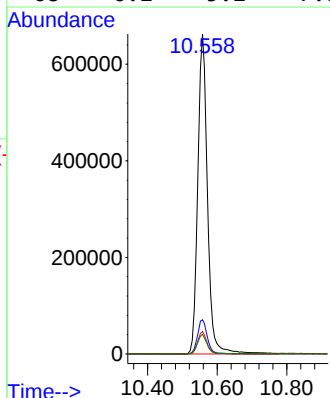
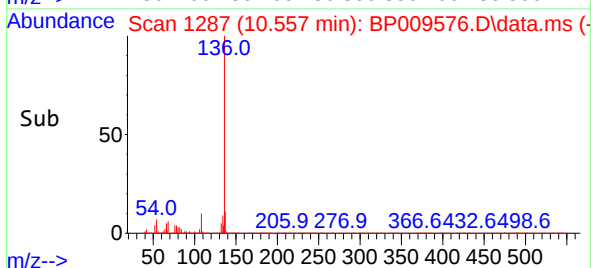
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022

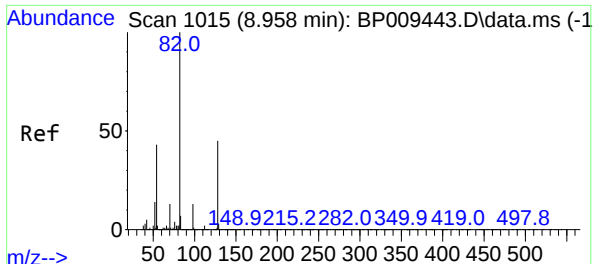


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10



Tgt Ion:136 Resp: 1283807
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 7.0 5.8 8.8
68 6.2 5.2 7.8





#23
Nitrobenzene-d5
Concen: 68.091 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

Instrument :

BNA_P

ClientSampleId :

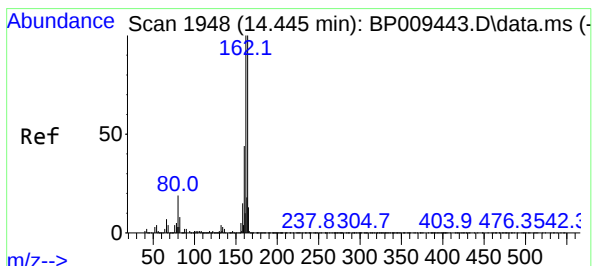
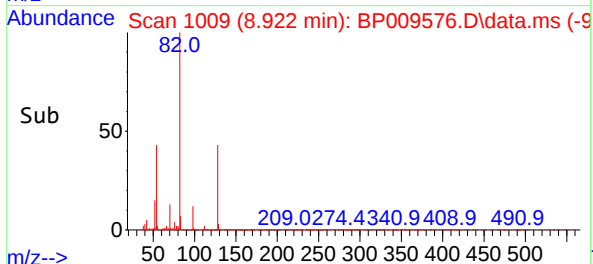
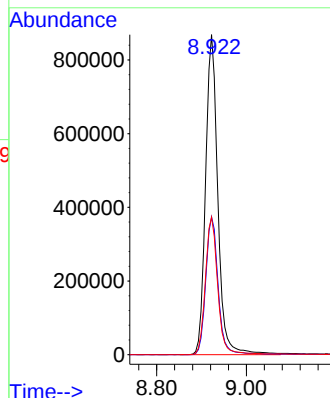
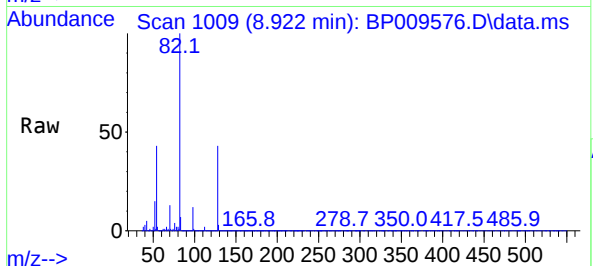
RBR-200055

Tgt Ion: 82 Resp: 164498
Ion Ratio Lower Upper
82 100
128 43.0 34.2 51.4
54 43.0 34.7 52.1

Manual Integrations

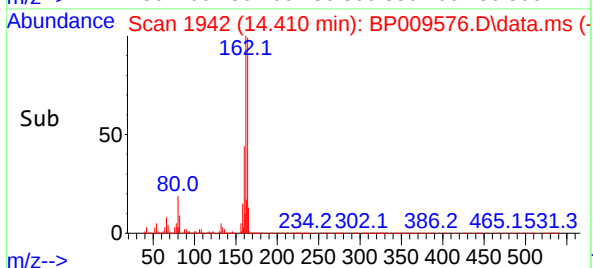
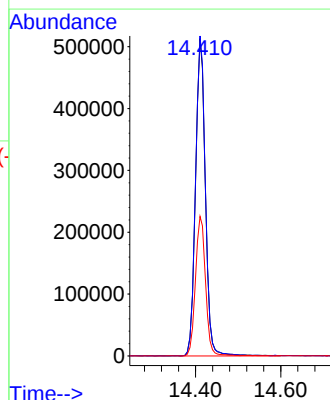
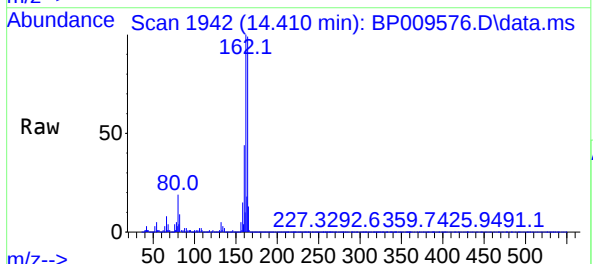
APPROVED

Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

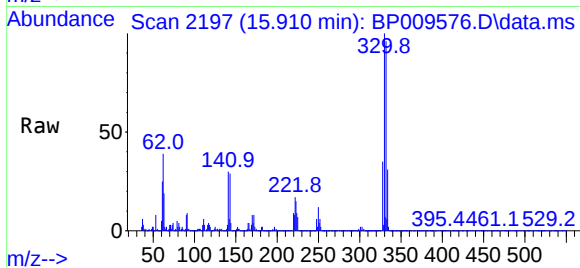
Tgt Ion:164 Resp: 820298
Ion Ratio Lower Upper
164 100
162 100.7 79.1 118.7
160 43.9 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 88.368 ng
RT: 15.910 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

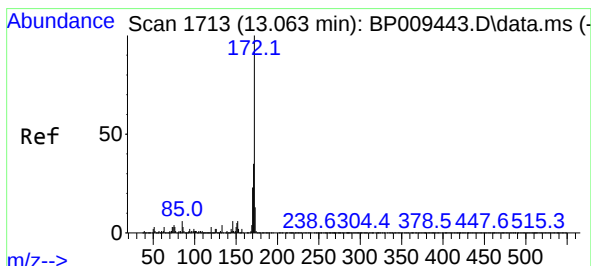
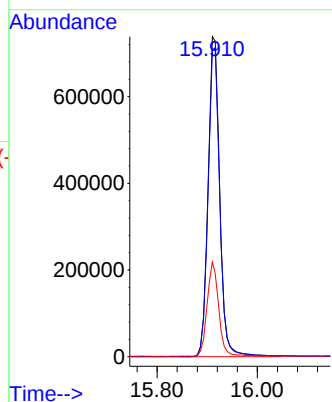
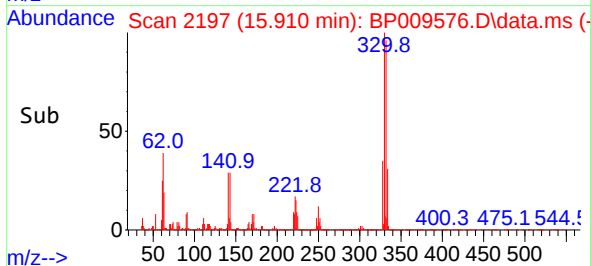
Instrument :
BNA_P
ClientSampleId :
RBR-200055



Tgt Ion:330 Resp: 1196179
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 29.2 27.6 41.4

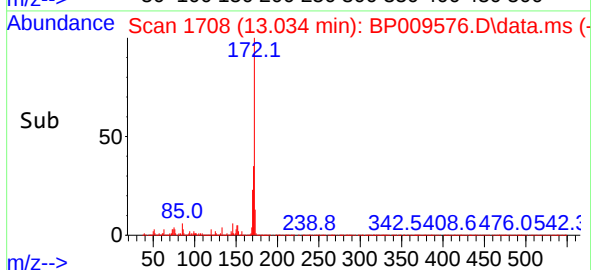
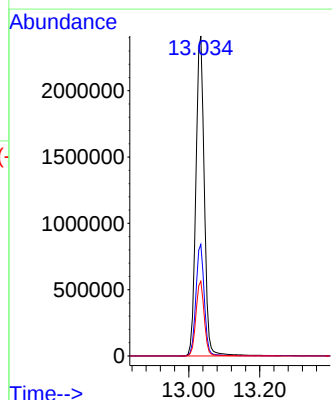
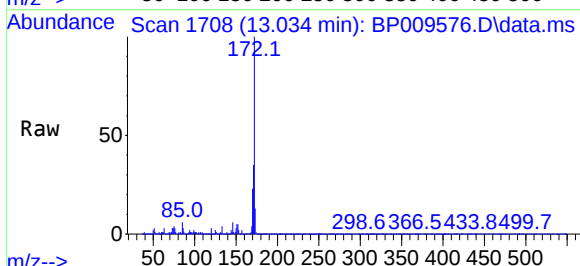
Manual Integrations
APPROVED

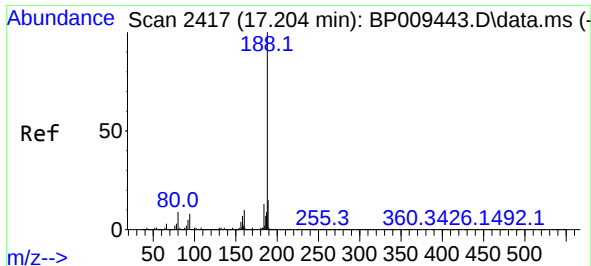
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#45
2-Fluorobiphenyl
Concen: 67.513 ng
RT: 13.034 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

Tgt Ion:172 Resp: 3994880
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 23.4 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

Instrument :

BNA_P

ClientSampleId :

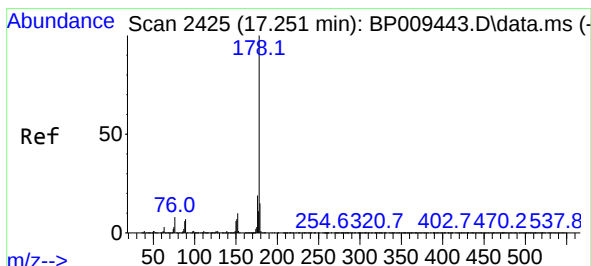
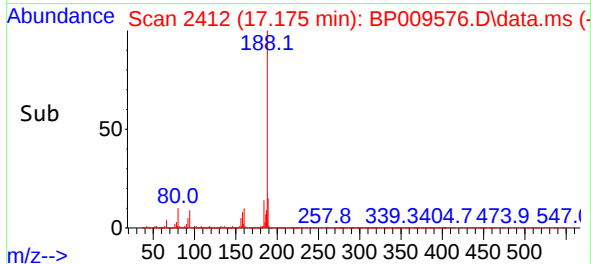
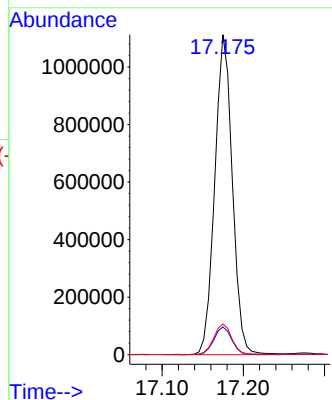
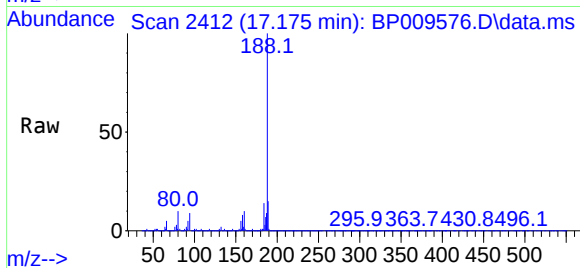
RBR-200055

Tgt Ion:188 Resp: 1673804
Ion Ratio Lower Upper
188 100
94 8.7 7.9 11.9
80 9.6 8.8 13.2

Manual Integrations

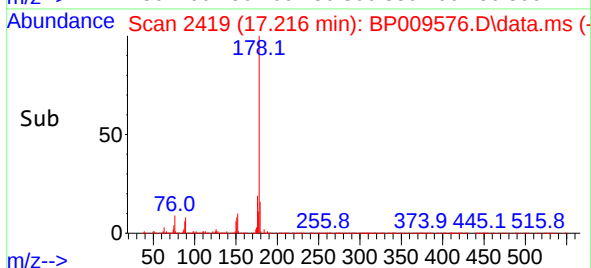
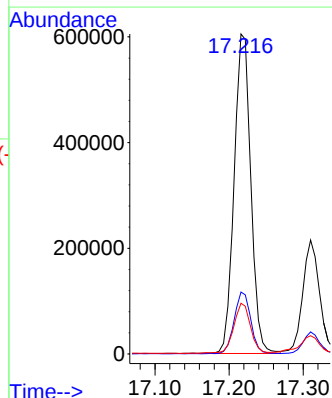
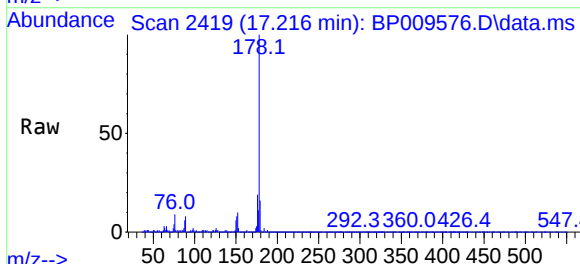
APPROVED

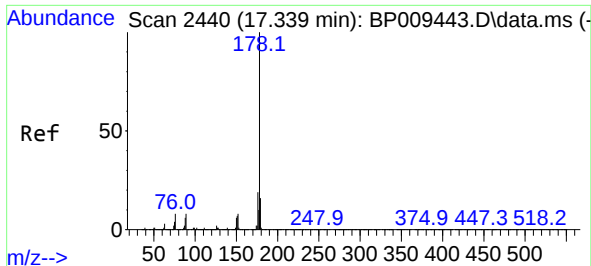
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#71
Phenanthrene
Concen: 10.545 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.012 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

Tgt Ion:178 Resp: 944816
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.8 12.3 18.5





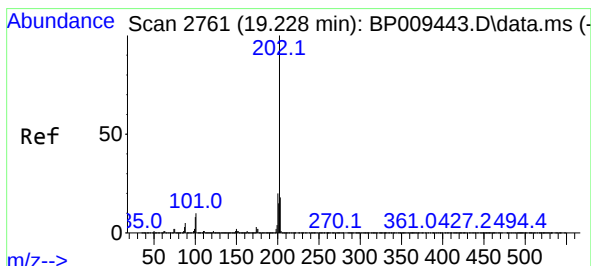
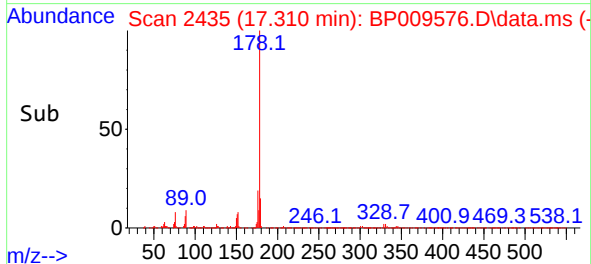
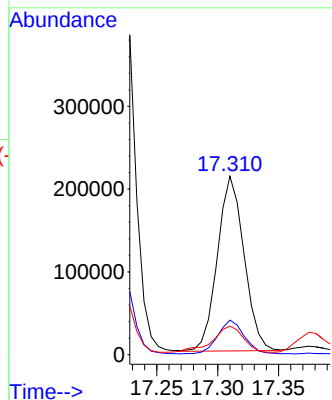
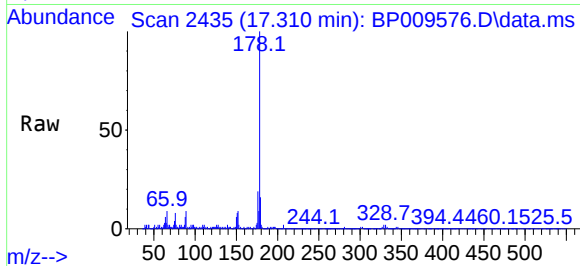
#72
 Anthracene
 Concen: 3.647 ng
 RT: 17.310 min Scan# 2440
 Delta R.T. -0.006 min
 Lab File: BP009576.D
 Acq: 28 Mar 2022 21:10

Instrument :
 BNA_P
 ClientSampleId :
 RBR-200055

Tgt Ion:178 Resp: 322580
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.8 22.2
 179 16.0 12.2 18.4

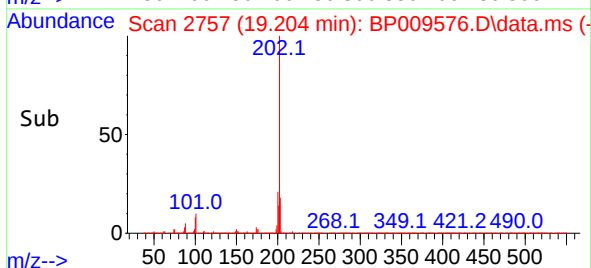
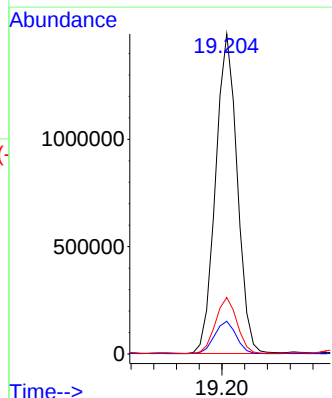
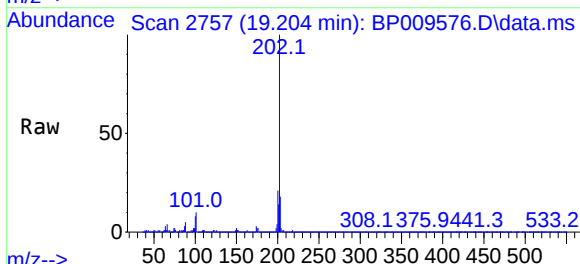
Manual Integrations
 APPROVED

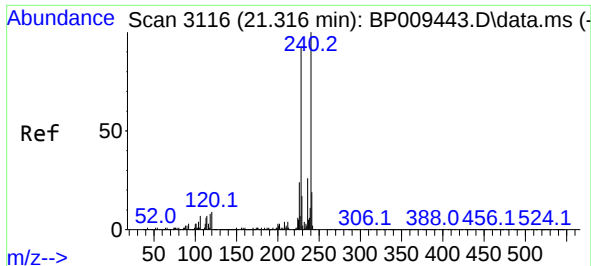
Reviewed By :Christian Giraldo 03/29/2022
 Supervised By :Jagrut Upadhyay 03/29/2022



#75
 Fluoranthene
 Concen: 18.188 ng
 RT: 19.204 min Scan# 2757
 Delta R.T. -0.006 min
 Lab File: BP009576.D
 Acq: 28 Mar 2022 21:10

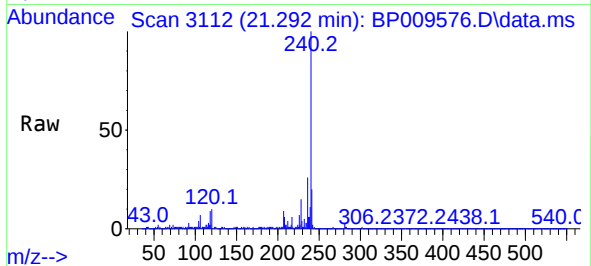
Tgt Ion:202 Resp: 1972869
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 31.5
 203 17.7 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

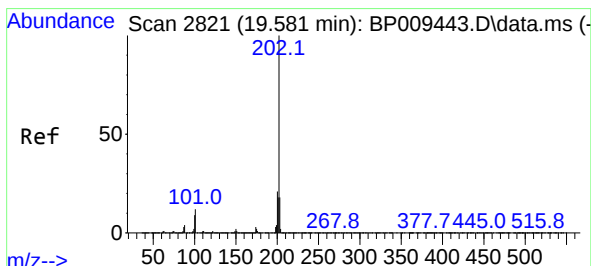
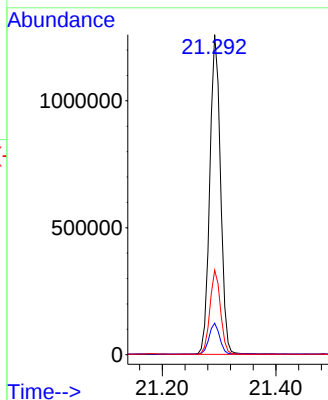
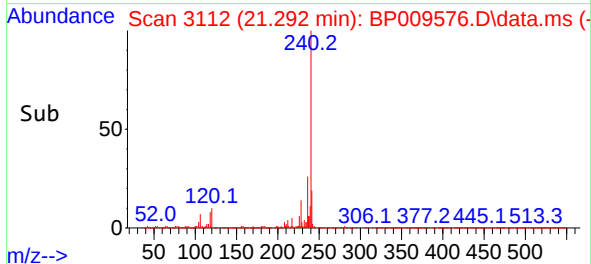
Instrument :
BNA_P
ClientSampleId :
RBR-200055



Tgt Ion:240 Resp: 1645210
Ion Ratio Lower Upper
240 100
120 9.9 9.0 13.4
236 26.4 20.6 30.8

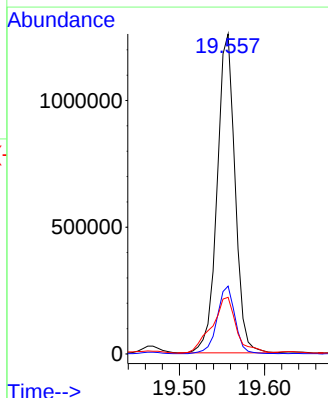
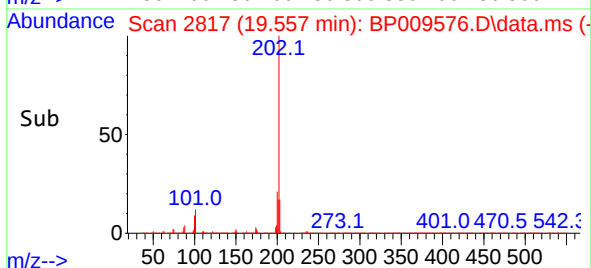
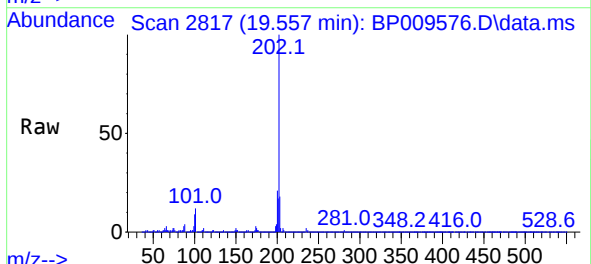
Manual Integrations
APPROVED

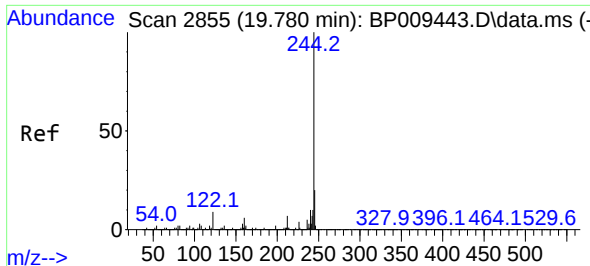
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#78
Pyrene
Concen: 16.959 ng
RT: 19.557 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

Tgt Ion:202 Resp: 1838605
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 17.7 14.2 21.4





#79
Terphenyl-d14
Concen: 67.079 ng
RT: 19.757 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

Instrument :

BNA_P

ClientSampleId :

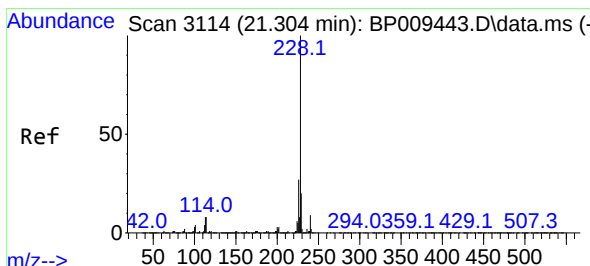
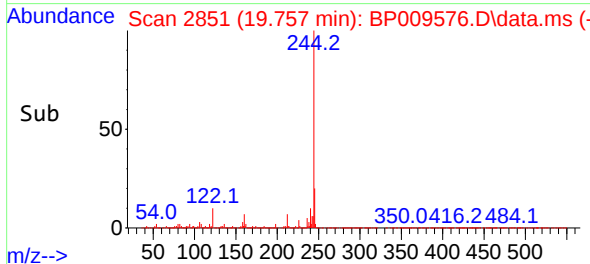
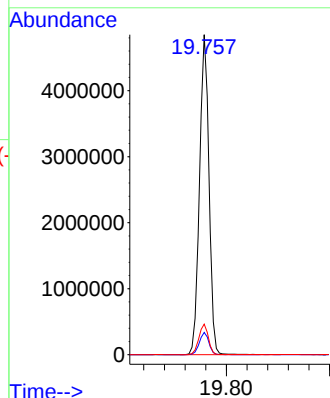
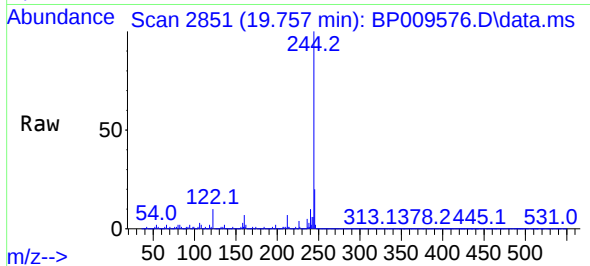
RBR-200055

Tgt Ion:244 Resp: 6148520
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 9.6 8.3 12.5

Manual Integrations

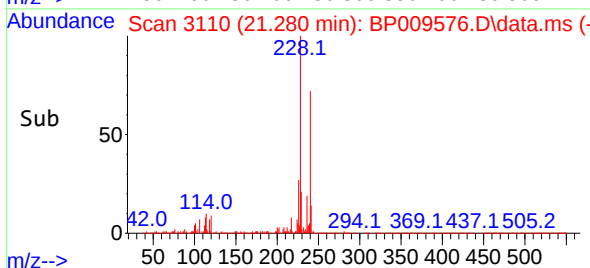
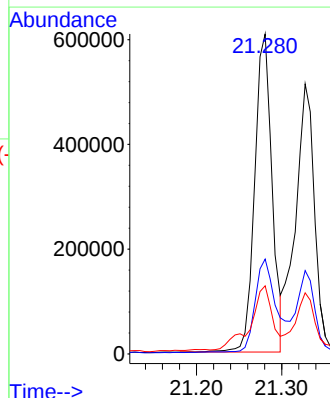
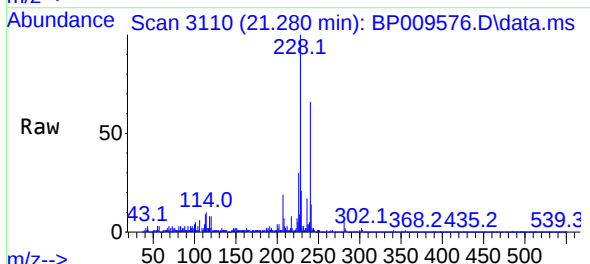
APPROVED

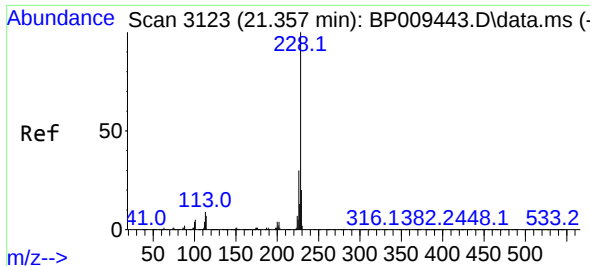
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#81
Benzo(a)anthracene
Concen: 7.941 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

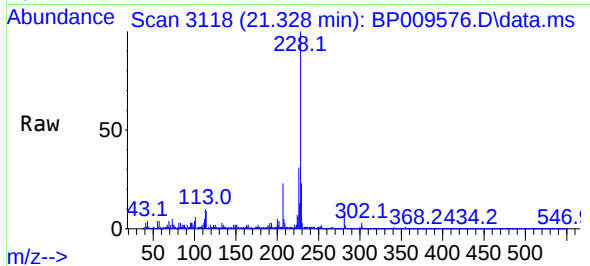
Tgt Ion:228 Resp: 858349
Ion Ratio Lower Upper
228 100
226 29.6 22.0 33.0
229 21.3 16.1 24.1





#83
Chrysene
Concen: 7.793 ng
RT: 21.328 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

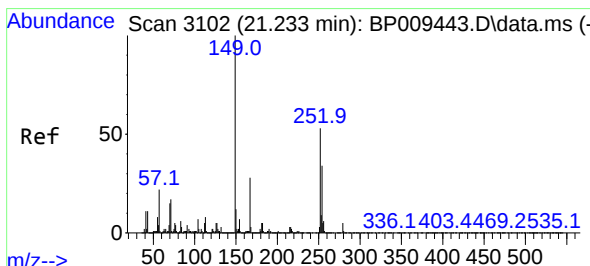
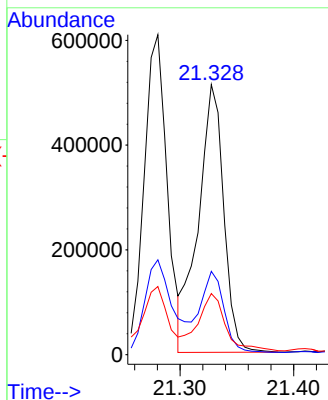
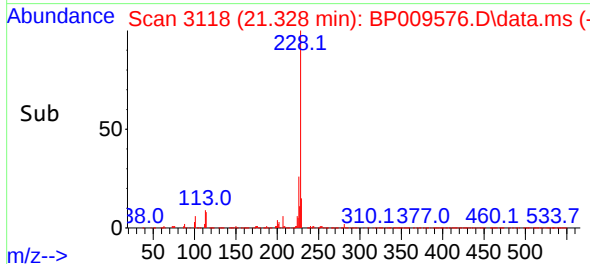
Instrument :
BNA_P
ClientSampleId :
RBR-200055



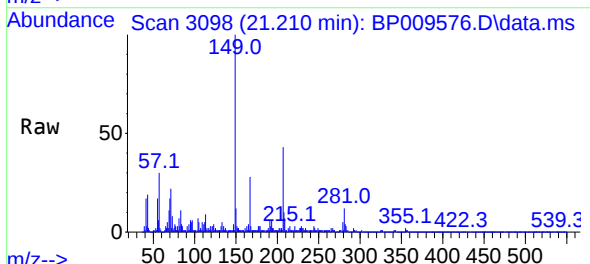
Tgt Ion:228 Resp: 797639
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.2
229 22.6 16.1 24.1

Manual Integrations
APPROVED

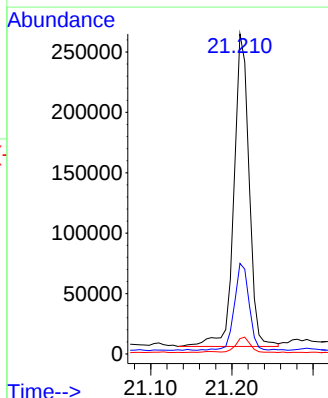
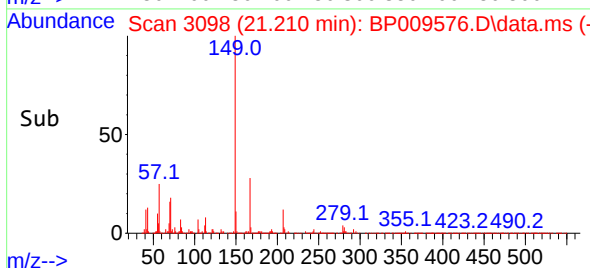
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022

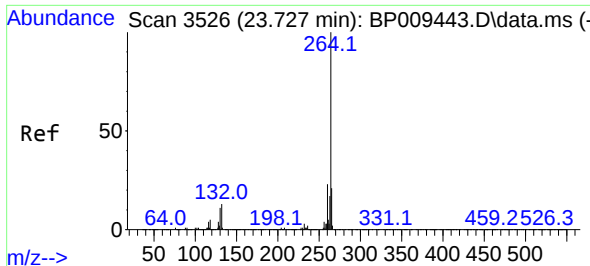


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.225 ng
RT: 21.210 min Scan# 3098
Delta R.T. -0.006 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10



Tgt Ion:149 Resp: 335624
Ion Ratio Lower Upper
149 100
167 28.3 22.6 33.8
279 4.8 3.8 5.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.686 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

Instrument :

BNA_P

ClientSampleId :

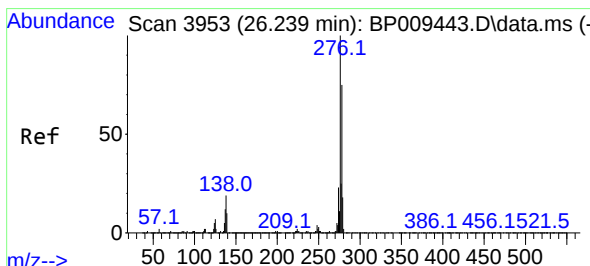
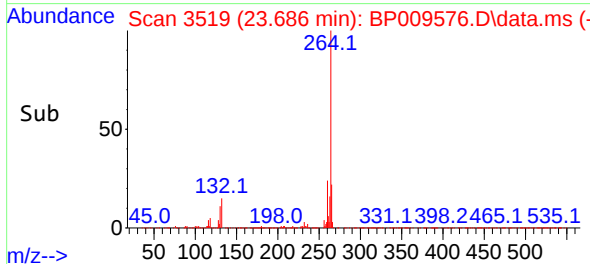
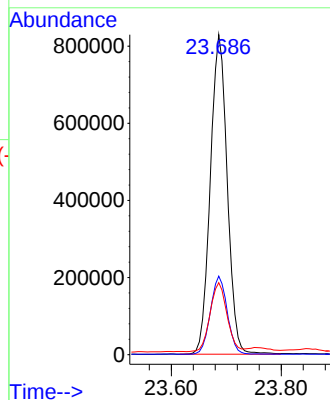
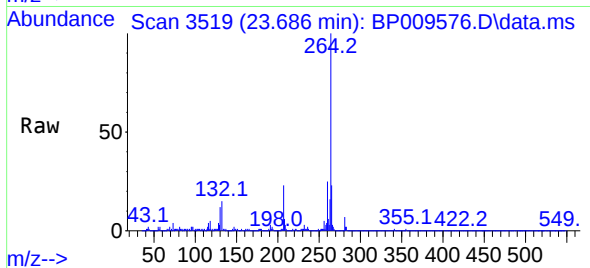
RBR-200055

Tgt Ion:264 Resp: 177086
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.0
265 22.5 17.2 25.8

Manual Integrations

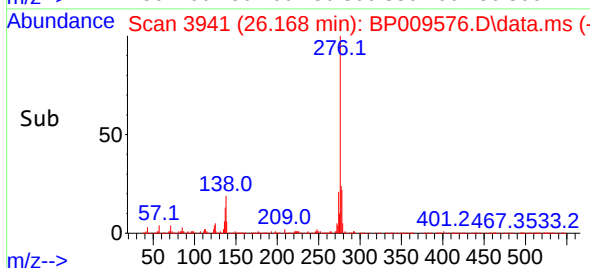
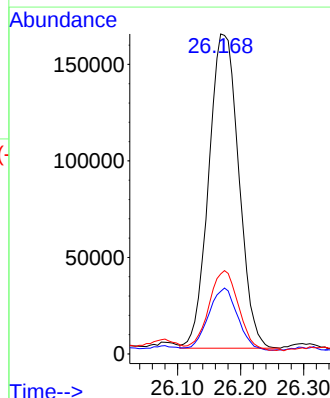
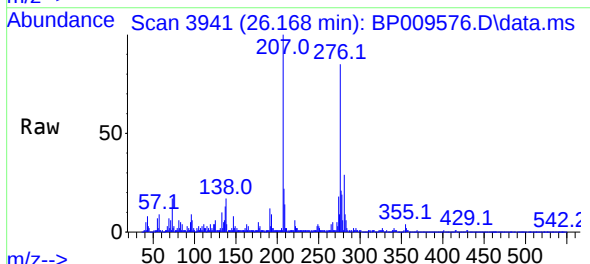
APPROVED

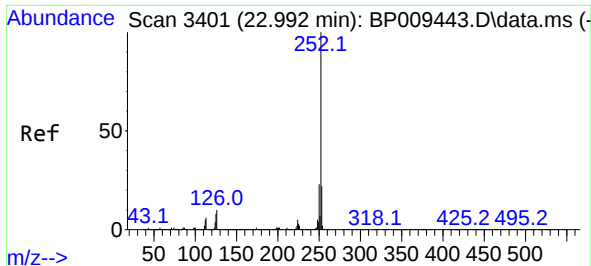
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.999 ng
RT: 26.168 min Scan# 3941
Delta R.T. -0.029 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

Tgt Ion:276 Resp: 537256
Ion Ratio Lower Upper
276 100
138 19.2 20.5 30.7#
277 25.3 20.4 30.6





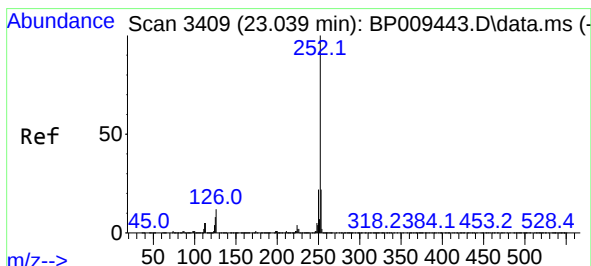
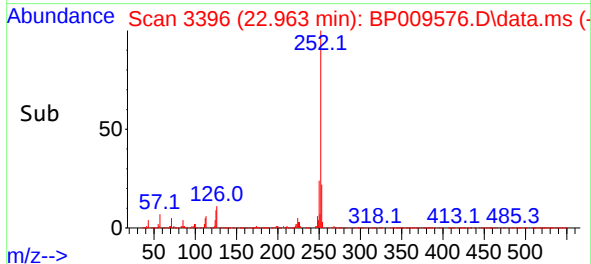
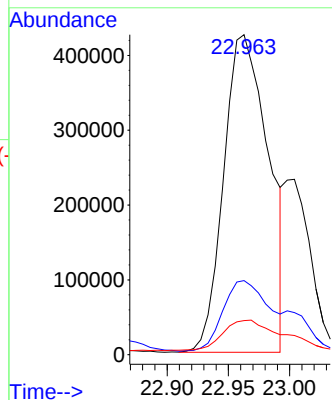
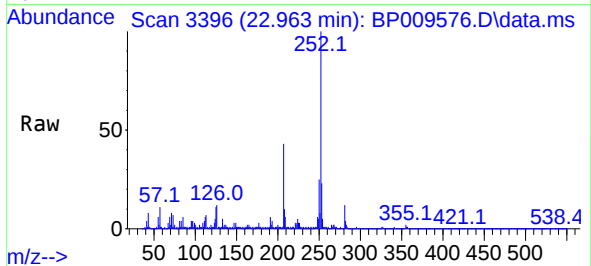
#88
Benzo(b)fluoranthene
Concen: 10.225 ng m
RT: 22.963 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

Instrument :
BNA_P
ClientSampleId :
RBR-200055

Tgt Ion:252 Resp: 1080970
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 10.6 8.1 12.1

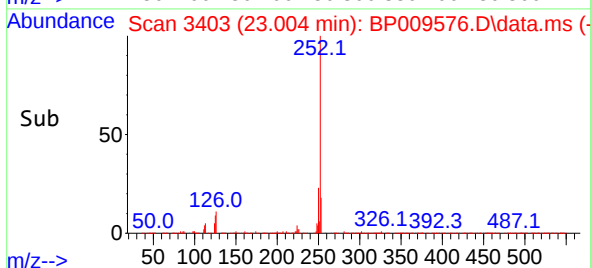
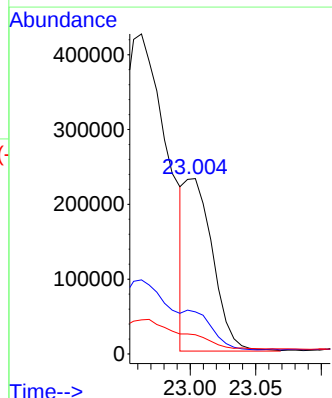
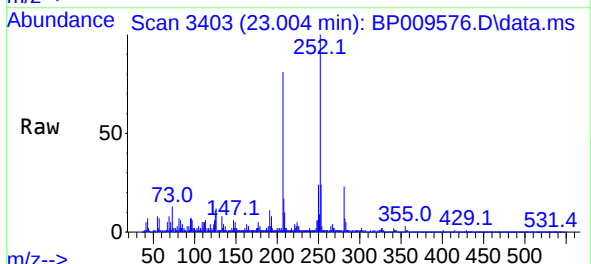
Manual Integrations
APPROVED

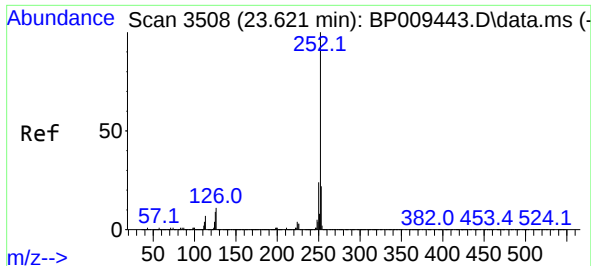
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#89
Benzo(k)fluoranthene
Concen: 3.281 ng m
RT: 23.004 min Scan# 3403
Delta R.T. -0.006 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

Tgt Ion:252 Resp: 339634
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 11.0 8.3 12.5





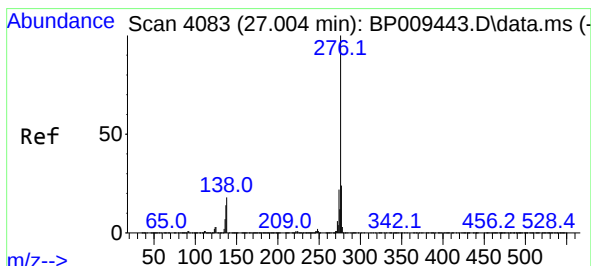
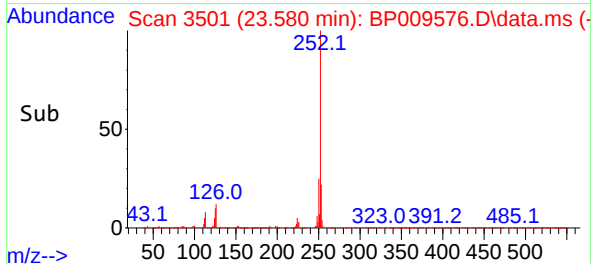
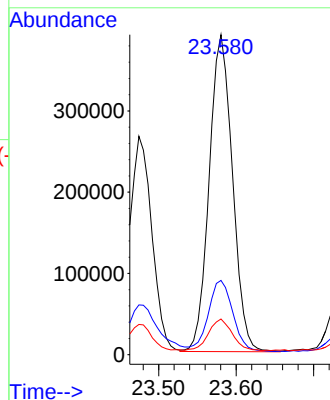
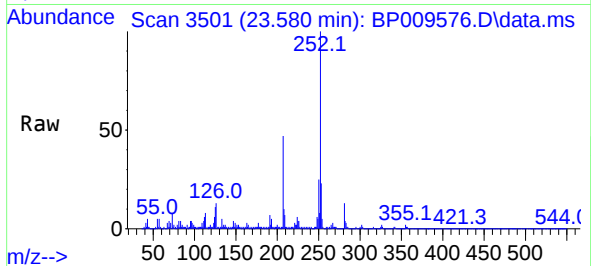
#90
Benzo(a)pyrene
Concen: 9.035 ng
RT: 23.580 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

Instrument :
BNA_P
ClientSampleId :
RBR-200055

Tgt Ion:252 Resp: 81724
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 11.2 9.3 13.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#92
Benzo(g,h,i)perylene
Concen: 5.070 ng
RT: 26.939 min Scan# 4072
Delta R.T. -0.012 min
Lab File: BP009576.D
Acq: 28 Mar 2022 21:10

Tgt Ion:276 Resp: 558452
Ion Ratio Lower Upper
276 100
277 24.2 19.2 28.8
138 19.8 18.0 27.0

