

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
 Data File : BP009578.D
 Acq On : 28 Mar 2022 22:17
 Operator : CG/JU
 Sample : N2103-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RBR-200031

Manual Integrations
 APPROVED

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

Quant Time: Mar 29 03:14:23 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	7.763	152	273021	20.000	ng	-0.01
21) Naphthalene-d8	10.557	136	1066800	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	666965	20.000	ng	-0.01
64) Phenanthrene-d10	17.175	188	1397056	20.000	ng	-0.01
76) Chrysene-d12	21.292	240	1499455	20.000	ng	0.00
86) Perylene-d12	23.686	264	1660654	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1947975	124.570	ng	0.00
7) Phenol-d6	6.957	99	2408109	113.872	ng	0.00
23) Nitrobenzene-d5	8.922	82	1533416	76.384	ng	-0.01
42) 2,4,6-Tribromophenol	15.916	330	1061819	96.476	ng	0.00
45) 2-Fluorobiphenyl	13.034	172	3573368	74.273	ng	0.00
79) Terphenyl-d14	19.757	244	5880388	70.390	ng	0.00
Target Compounds						Qvalue
12) 1,3-Dichlorobenzene	7.657	146	40978	2.036	ng	95
13) 1,4-Dichlorobenzene	7.804	146	45840	2.228	ng	98
31) Naphthalene	10.604	128	112425	2.046	ng	99
49) Acenaphthylene	14.134	152	157453	2.604	ng	100
52) Acenaphthene	14.475	154	143542	3.974	ng	98
58) Fluorene	15.469	166	125957	2.639	ng	99
71) Phenanthrene	17.216	178	1159735	15.508	ng	100
72) Anthracene	17.310	178	379734	5.143	ng	99
75) Fluoranthene	19.204	202	2320068	25.625	ng	99
78) Pyrene	19.557	202	2183190	22.095	ng	100
81) Benzo(a)anthracene	21.280	228	1018278	10.336	ng	94
83) Chrysene	21.327	228	945206m	10.133	ng	
84) Bis(2-ethylhexyl)phtha...	21.210	149	407648	6.964	ng	100
87) Indeno(1,2,3-cd)pyrene	26.174	276	659660	5.236	ng	# 94
88) Benzo(b)fluoranthene	22.962	252	1315507m	13.270	ng	
89) Benzo(k)fluoranthene	22.998	252	405797m	4.181	ng	
90) Benzo(a)pyrene	23.580	252	1036217	12.217	ng	97
92) Benzo(g,h,i)perylene	26.939	276	673397	6.519	ng	97

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

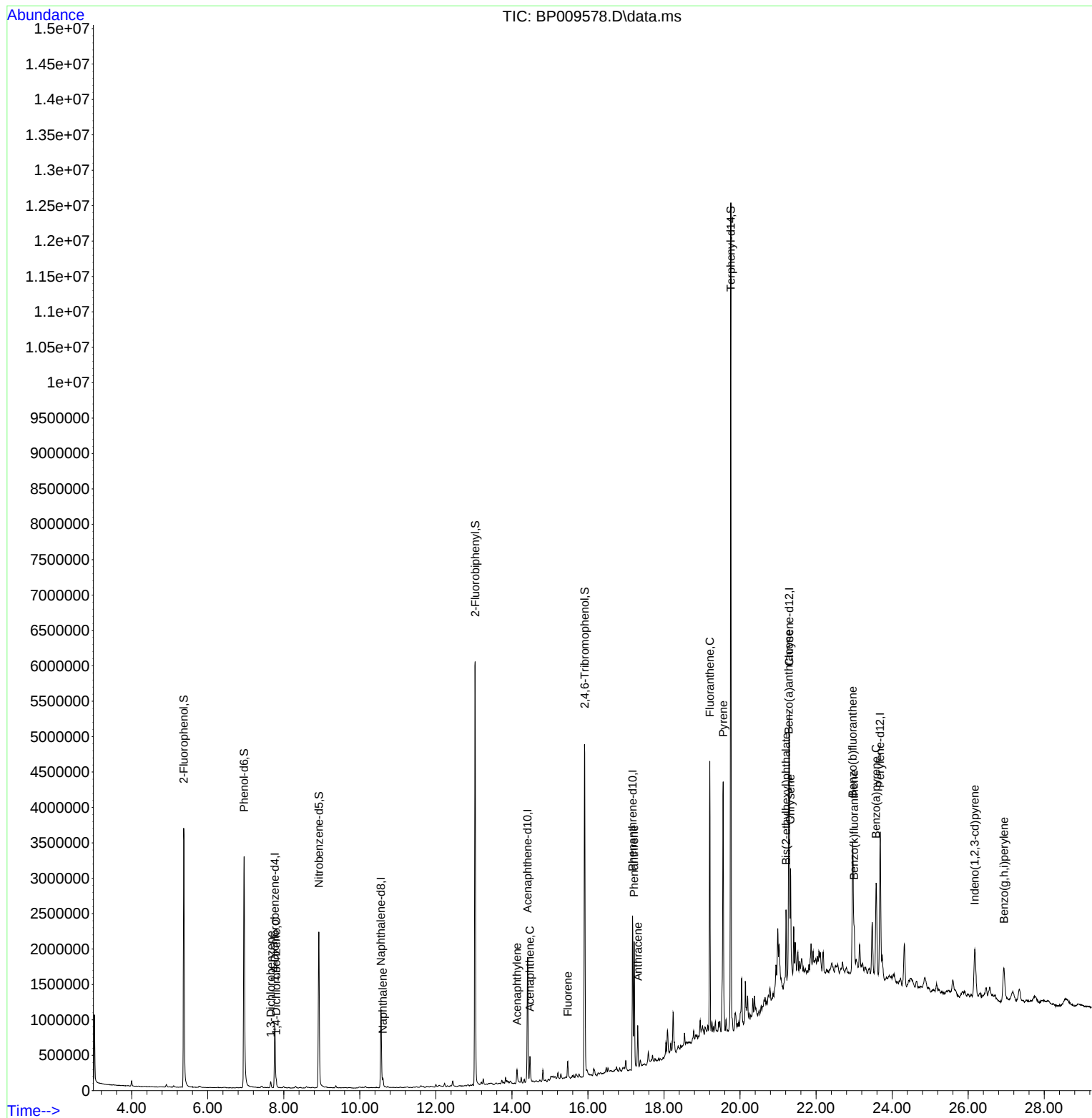
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009578.D
Acq On : 28 Mar 2022 22:17
Operator : CG/JU
Sample : N2103-05
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ALS Vial : 12 Sample Multiplier: 1

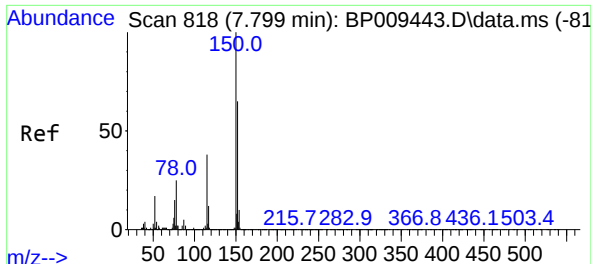
Instrument :
BNA_P
ClientSampleId :
RBR-200031

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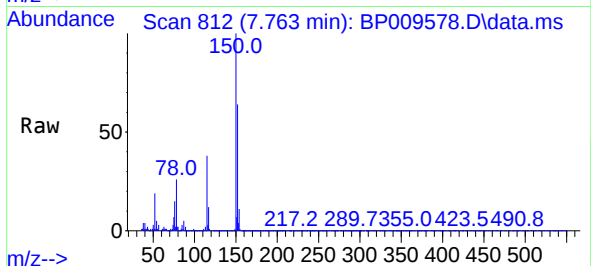
Quant Time: Mar 29 03:14:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 25 06:34:38 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

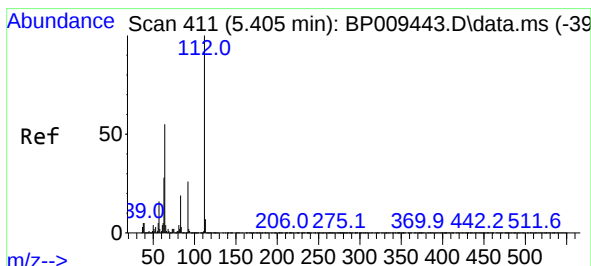
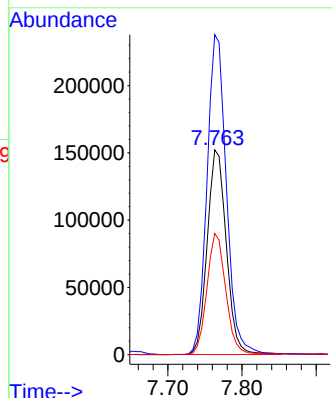
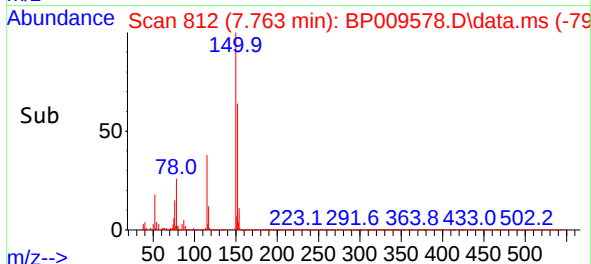
Instrument :
BNA_P
ClientSampleId :
RBR-200031



Tgt Ion:152 Resp: 27302
Ion Ratio Lower Upper
152 100
150 156.2 124.5 186.7
115 59.2 48.2 72.4

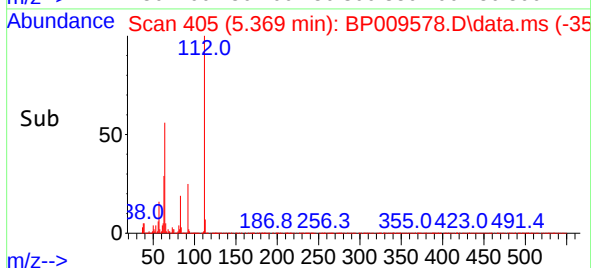
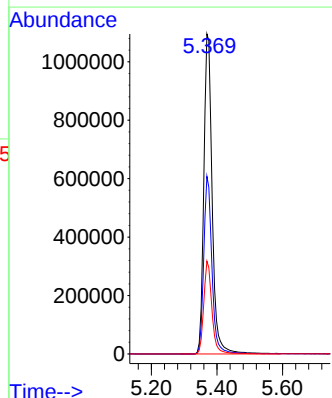
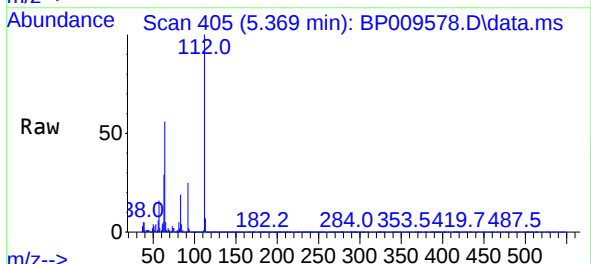
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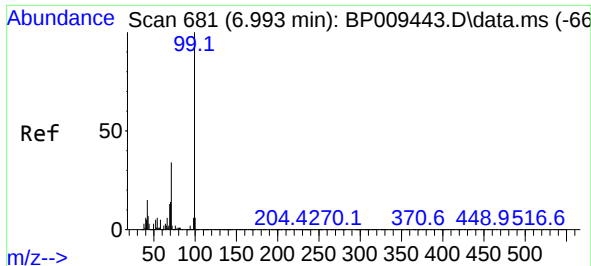
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#5
2-Fluorophenol
Concen: 124.570 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

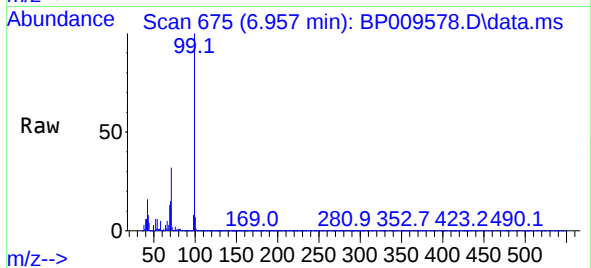
Tgt Ion:112 Resp: 1947975
Ion Ratio Lower Upper
112 100
64 55.5 45.0 67.4
63 29.0 23.0 34.6





#7
Phenol-d6
Concen: 113.872 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

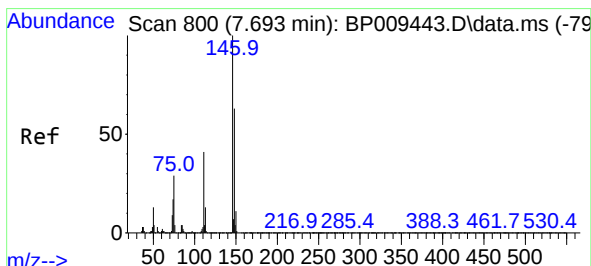
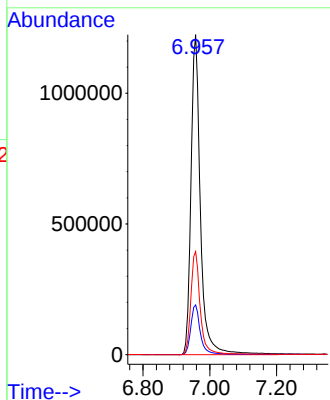
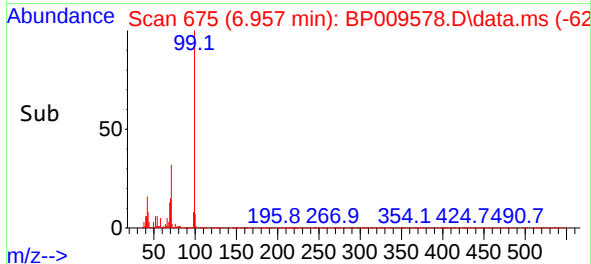
Instrument :
BNA_P
ClientSampleId :
RBR-200031



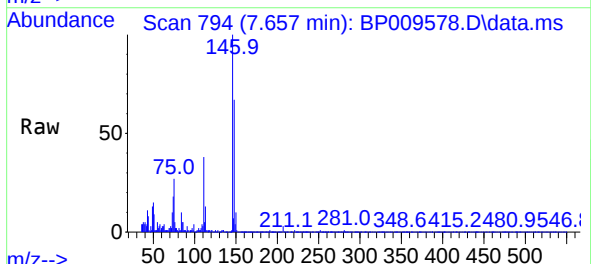
Tgt Ion: 99 Resp: 2408109
Ion Ratio Lower Upper
99 100
42 15.6 12.8 19.2
71 32.2 26.3 39.5

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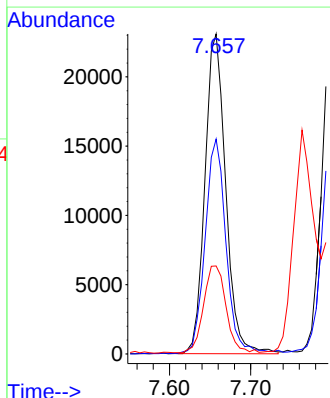
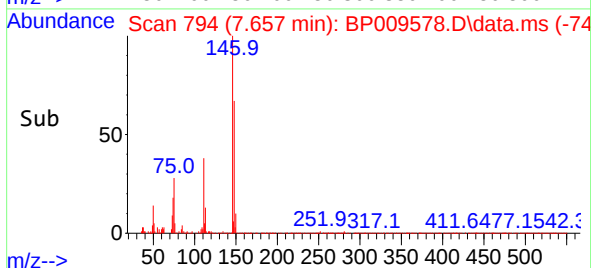
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022

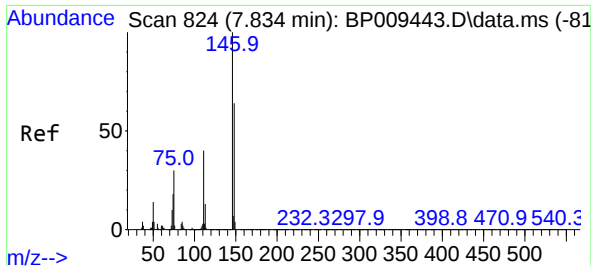


#12
1,3-Dichlorobenzene
Concen: 2.036 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17



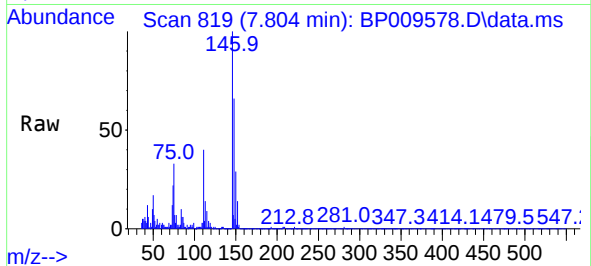
Tgt Ion:146 Resp: 40978
Ion Ratio Lower Upper
146 100
148 67.1 51.4 77.0
75 27.5 25.3 37.9





#13
1,4-Dichlorobenzene
Concen: 2.228 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

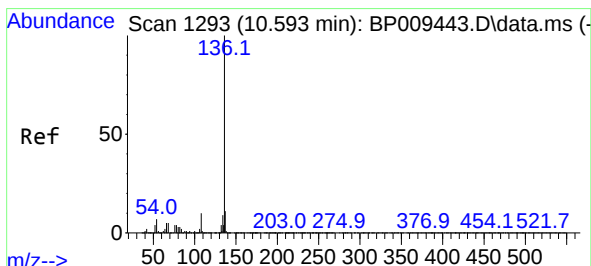
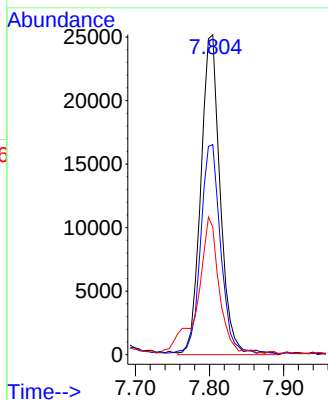
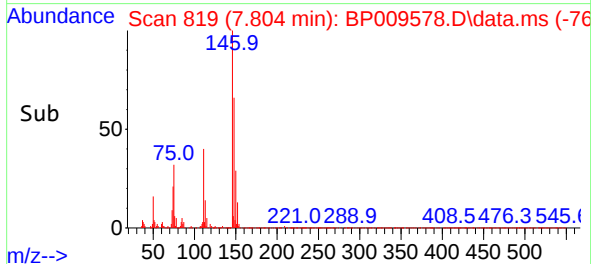
Instrument :
BNA_P
ClientSampleId :
RBR-200031



Tgt Ion:146 Resp: 45840
Ion Ratio Lower Upper
146 100
148 65.7 51.1 76.7
111 39.9 32.1 48.1

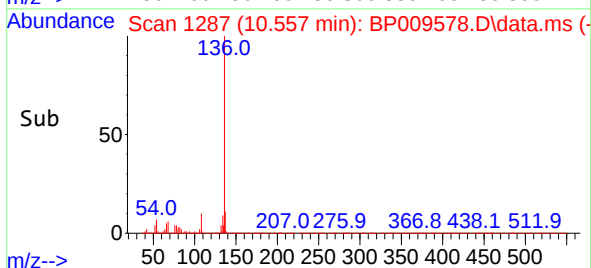
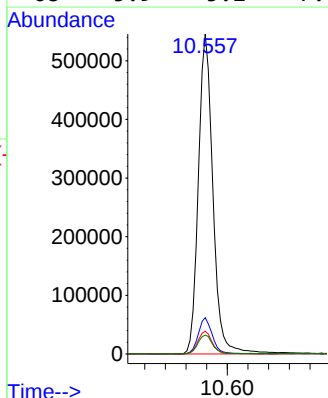
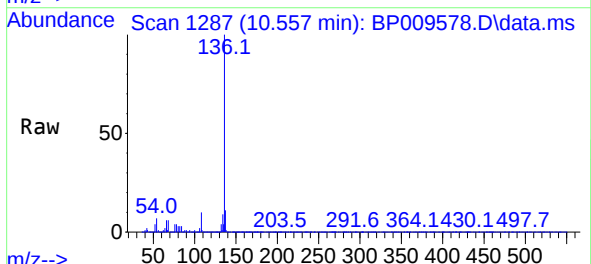
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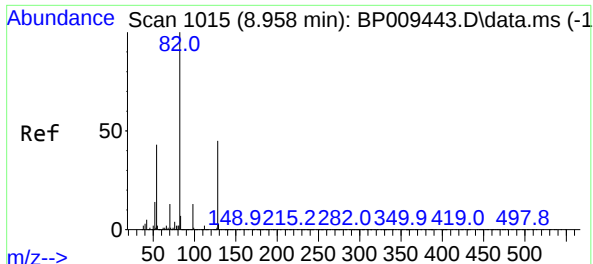
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:136 Resp: 1066800
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 7.1 5.8 8.8
68 5.9 5.2 7.8





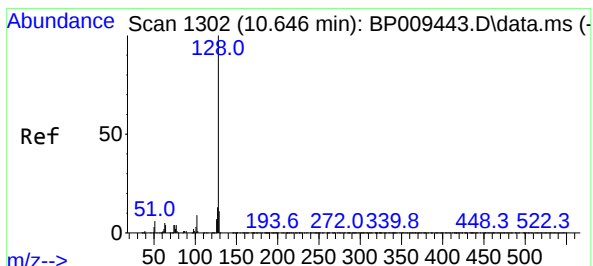
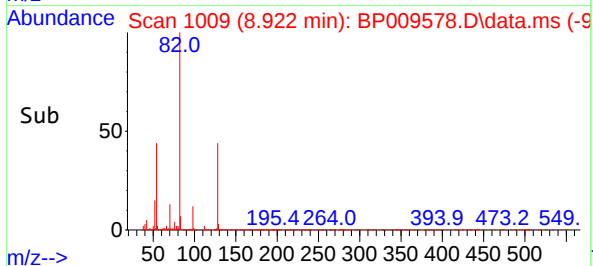
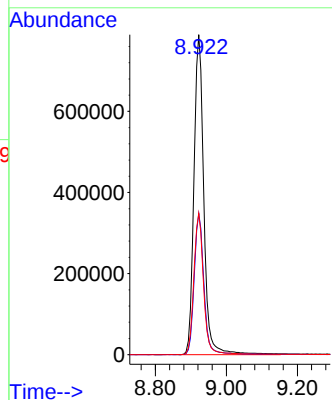
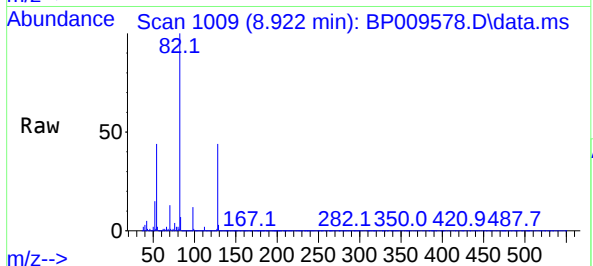
#23
Nitrobenzene-d5
Concen: 76.384 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Instrument :
BNA_P
ClientSampleId :
RBR-200031

Tgt Ion: 82 Resp: 1533410
Ion Ratio Lower Upper
82 100
128 44.0 34.2 51.4
54 44.2 34.7 52.1

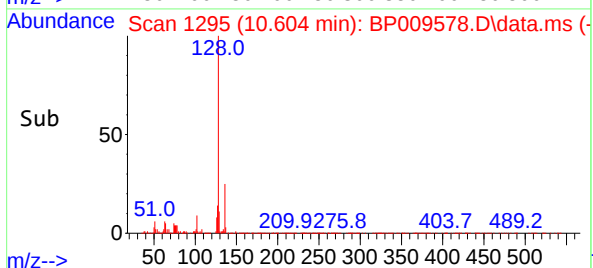
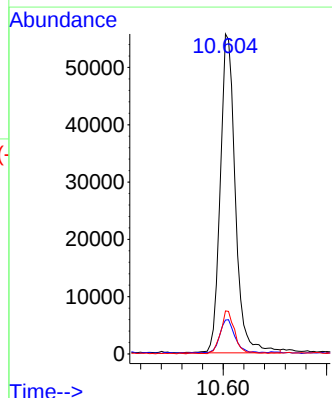
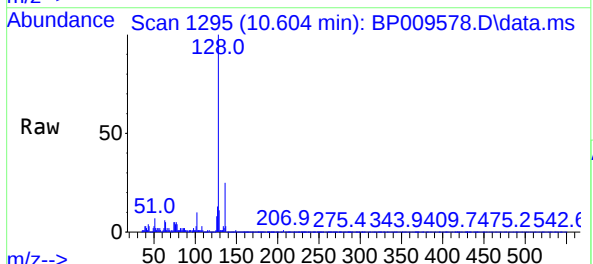
Manual Integrations
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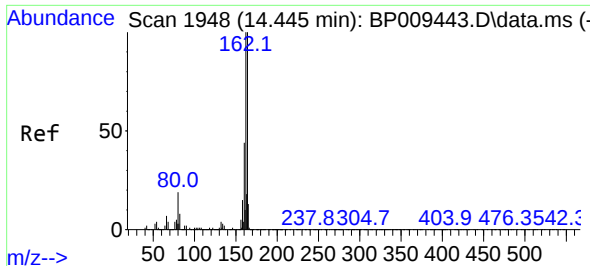
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#31
Naphthalene
Concen: 2.046 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:128 Resp: 112425
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 13.5 10.5 15.7





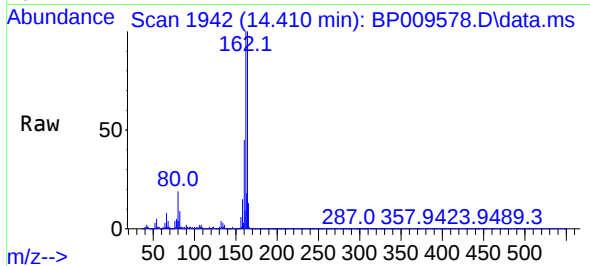
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Instrument :

BNA_P

ClientSampleId :

RBR-200031

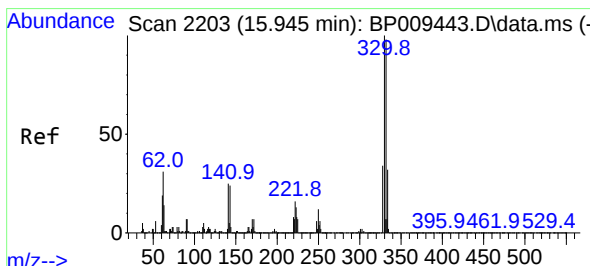
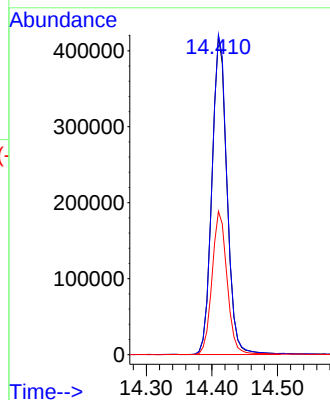
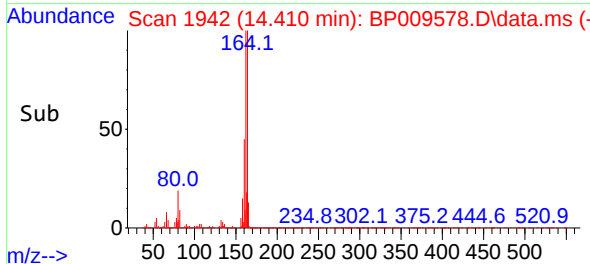


Tgt Ion:164 Resp: 66696
Ion Ratio Lower Upper
164 100
162 100.3 79.1 118.7
160 44.9 34.9 52.3

Manual Integrations

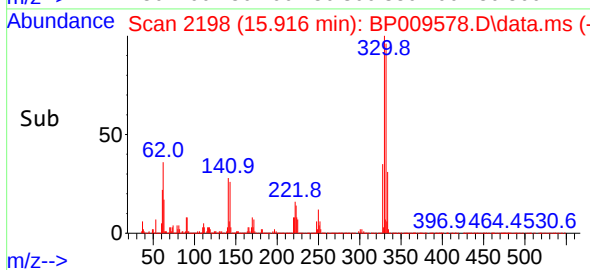
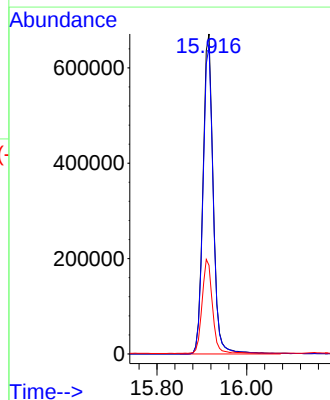
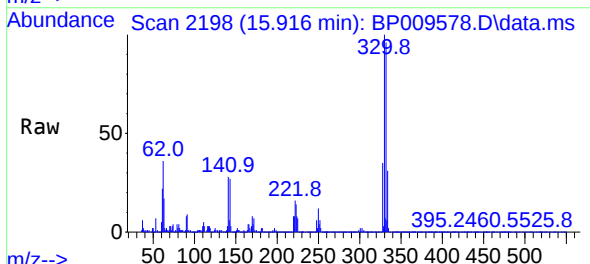
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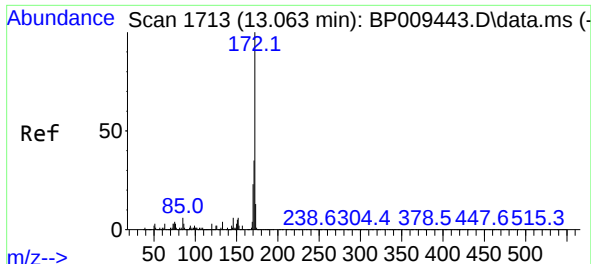
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#42
2,4,6-Tribromophenol
Concen: 96.476 ng
RT: 15.916 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:330 Resp: 1061819
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 29.8 27.6 41.4





#45
2-Fluorobiphenyl
Concen: 74.273 ng
RT: 13.034 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Instrument :

BNA_P

ClientSampleId :

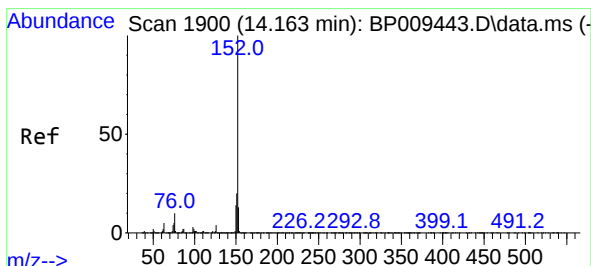
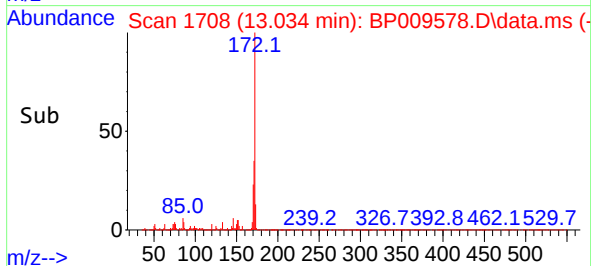
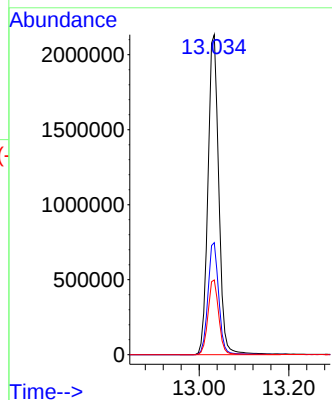
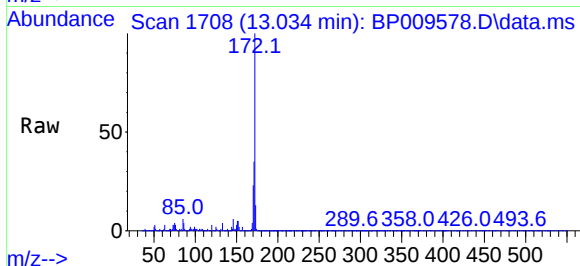
RBR-200031

Tgt Ion:172 Resp: 357336
Ion Ratio Lower Upper
172 100
171 35.0 28.0 42.0
170 23.3 18.6 27.8

Manual Integrations

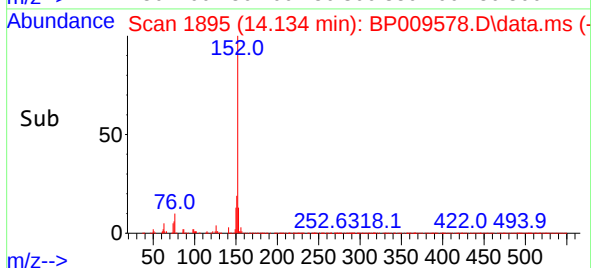
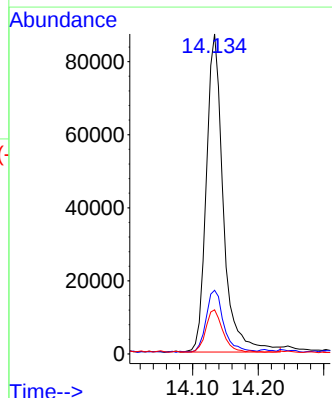
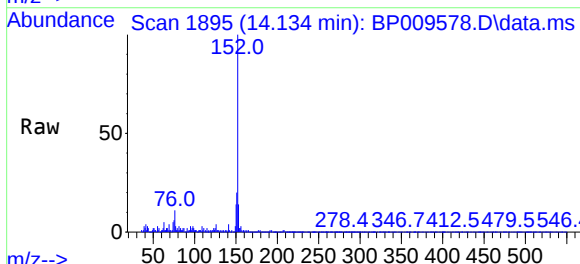
APPROVED

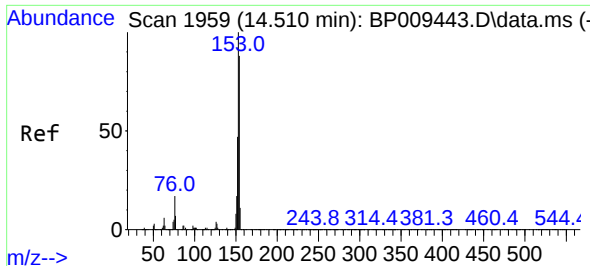
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#49
Acenaphthylene
Concen: 2.604 ng
RT: 14.134 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:152 Resp: 157453
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.8 10.7 16.1





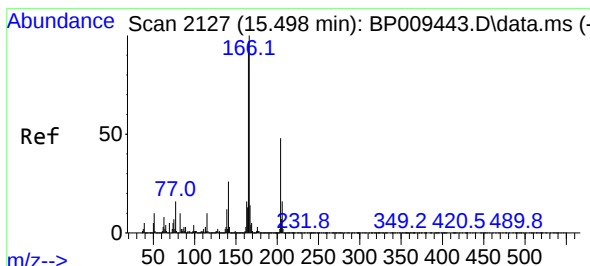
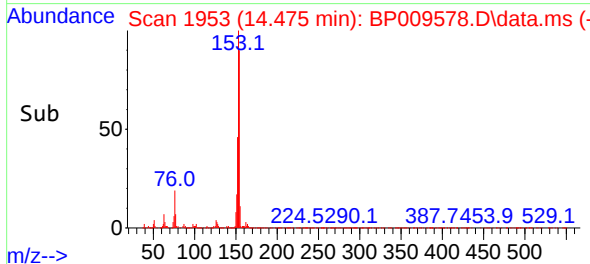
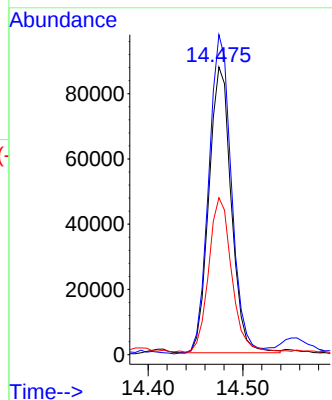
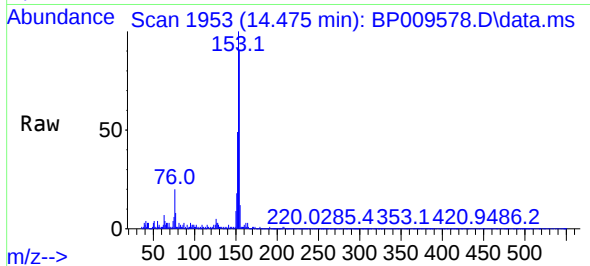
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Acenaphthene
Concen: 3.974 ng
RT: 14.475 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Instrument :
BNA_P
ClientSampleId :
RBR-200031

Tgt Ion:154 Resp: 14354
Ion Ratio Lower Upper
154 100
153 111.2 90.2 135.4
152 54.6 42.7 64.1

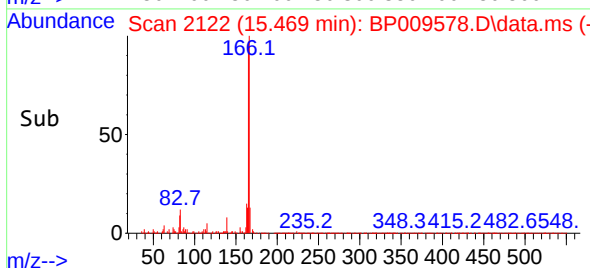
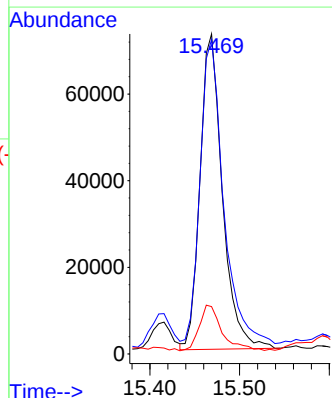
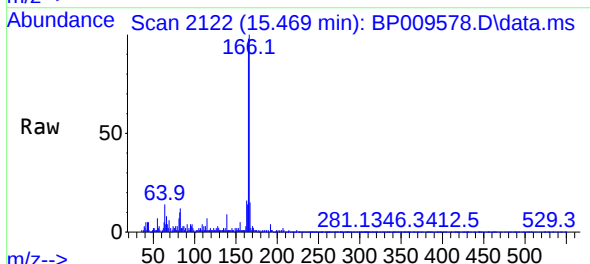
Manual Integrations
APPROVED

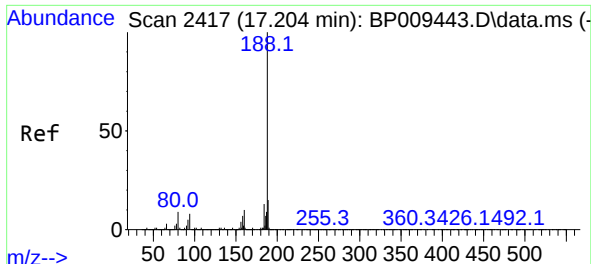
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#58
Fluorene
Concen: 2.639 ng
RT: 15.469 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:166 Resp: 125957
Ion Ratio Lower Upper
166 100
165 98.2 79.2 118.8
167 14.8 10.7 16.1





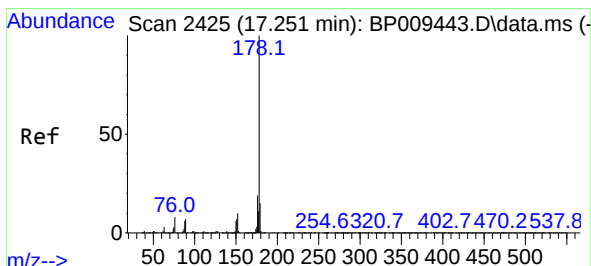
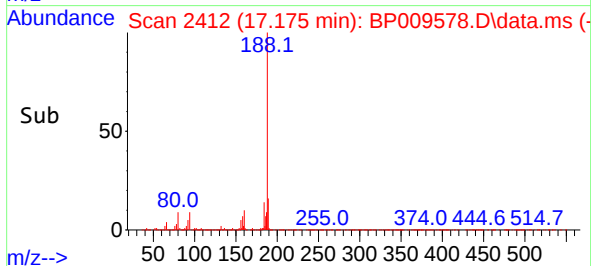
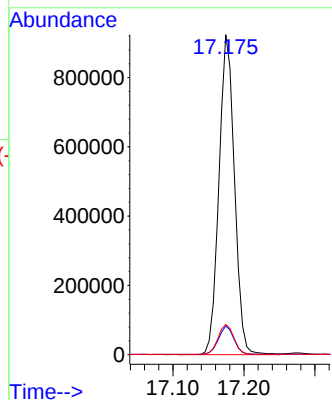
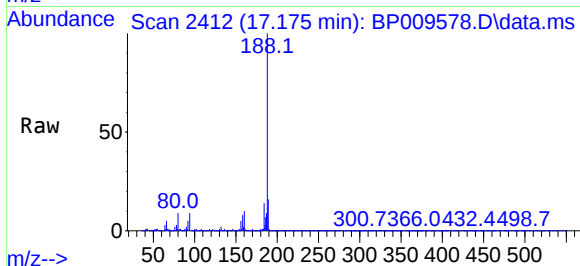
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2419
Delta R.T. -0.012 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Instrument :
BNA_P
ClientSampleId :
RBR-200031

Tgt Ion:188 Resp: 1397056
Ion Ratio Lower Upper
188 100
94 9.0 7.9 11.9
80 9.4 8.8 13.2

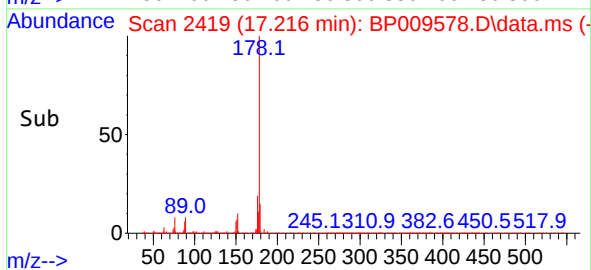
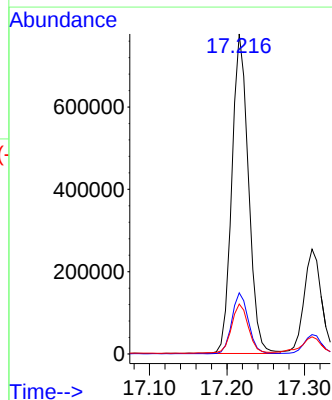
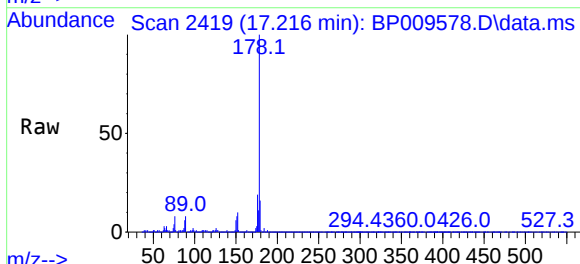
Manual Integrations
APPROVED

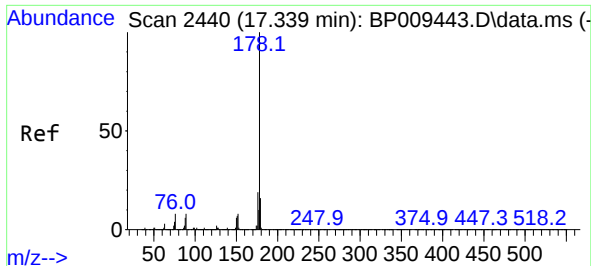
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#71
Phenanthrene
Concen: 15.508 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.012 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:178 Resp: 1159735
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.6 12.3 18.5





#72
 Anthracene
 Concen: 5.143 ng
 RT: 17.310 min Scan# 2440
 Delta R.T. -0.006 min
 Lab File: BP009578.D
 Acq: 28 Mar 2022 22:17

Instrument :

BNA_P

ClientSampleId :

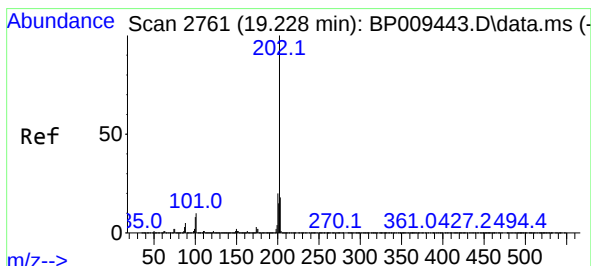
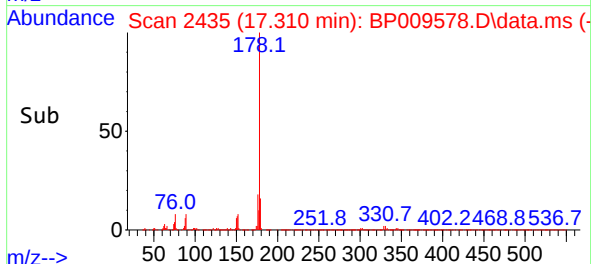
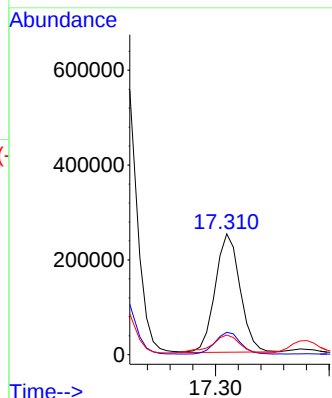
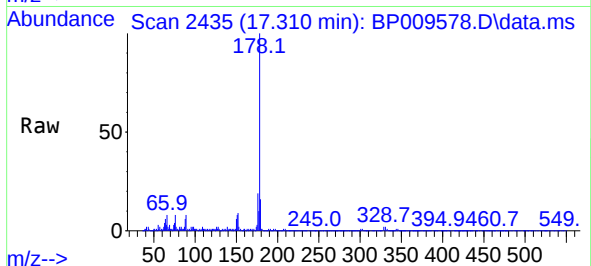
RBR-200031

Tgt Ion:178 Resp: 379734
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.8 22.2
 179 16.4 12.2 18.4

Manual Integrations

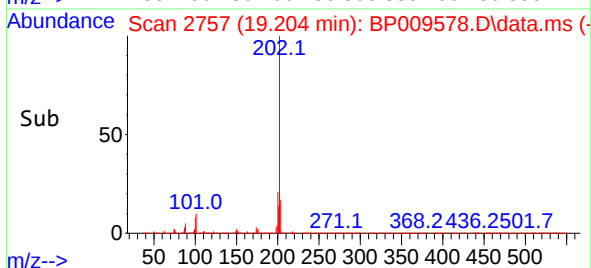
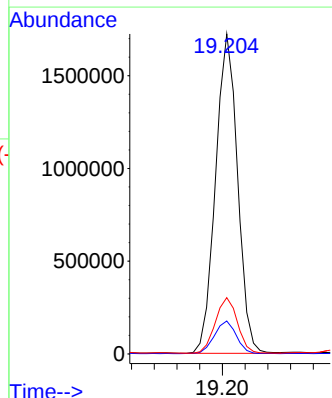
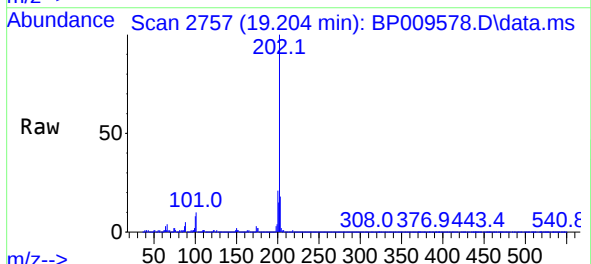
APPROVED

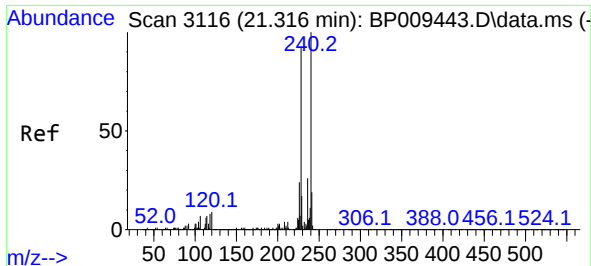
Reviewed By :Christian Giraldo 03/29/2022
 Supervised By :Jagrut Upadhyay 03/29/2022



#75
 Fluoranthene
 Concen: 25.625 ng
 RT: 19.204 min Scan# 2757
 Delta R.T. -0.006 min
 Lab File: BP009578.D
 Acq: 28 Mar 2022 22:17

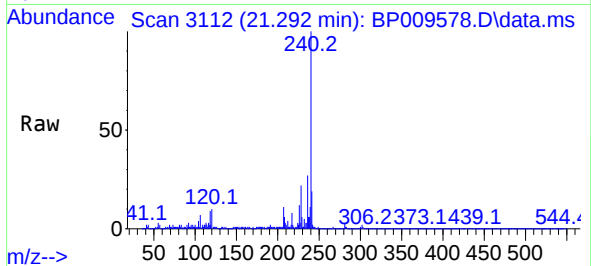
Tgt Ion:202 Resp: 2320068
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 31.5
 203 17.6 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

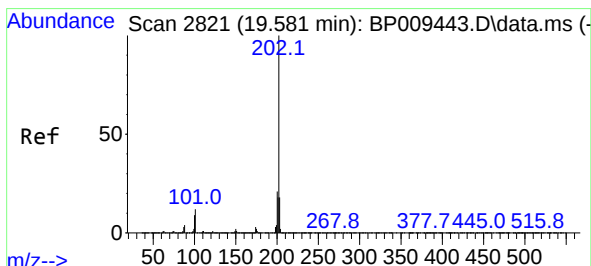
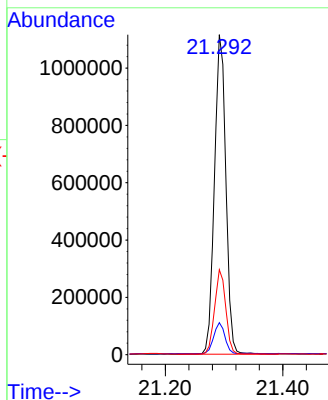
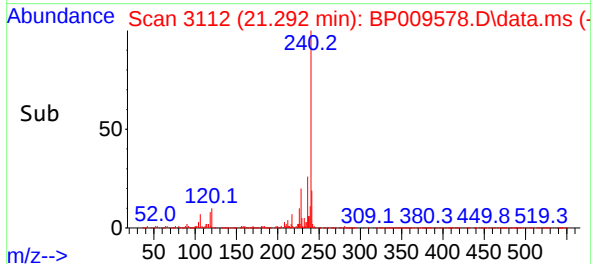
Instrument :
BNA_P
ClientSampleId :
RBR-200031



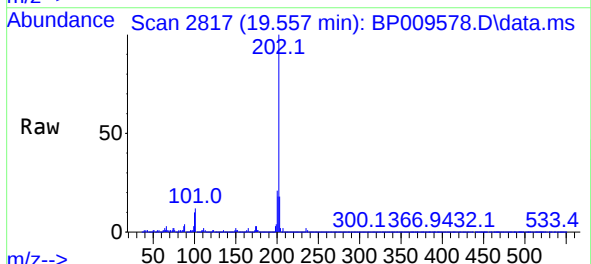
Tgt Ion:240 Resp: 149945
Ion Ratio Lower Upper
240 100
120 10.0 9.0 13.4
236 26.6 20.6 30.8

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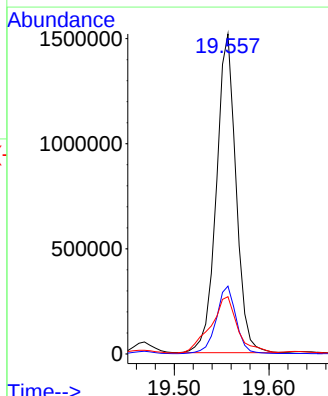
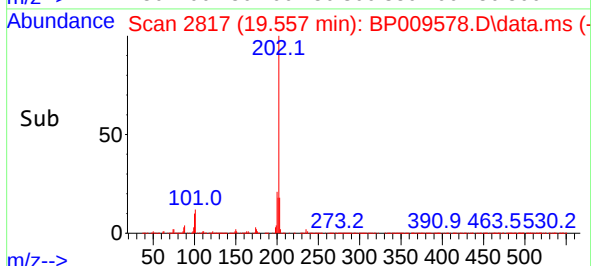
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022

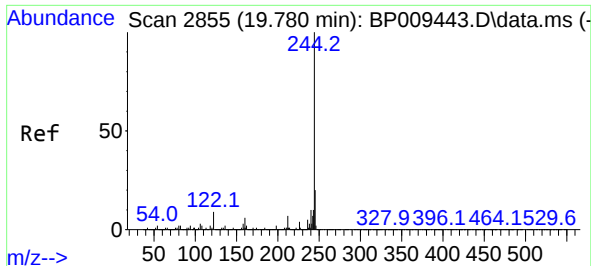


#78
Pyrene
Concen: 22.095 ng
RT: 19.557 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17



Tgt Ion:202 Resp: 2183190
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 17.9 14.2 21.4





#79
 Terphenyl-d14
 Concen: 70.390 ng
 RT: 19.757 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009578.D
 Acq: 28 Mar 2022 22:17

Instrument :

BNA_P

ClientSampleId :

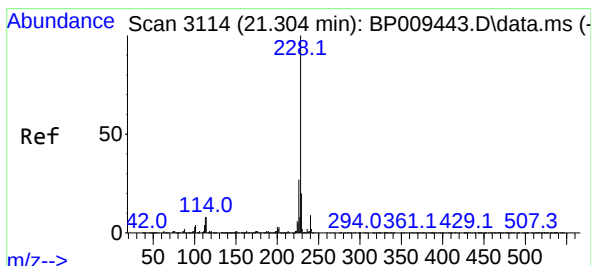
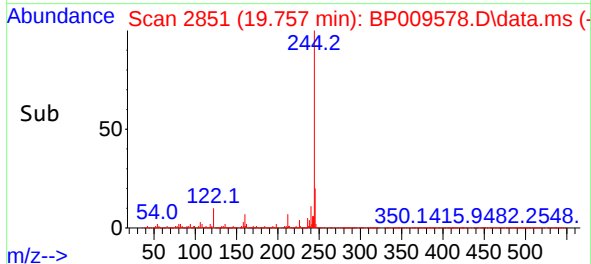
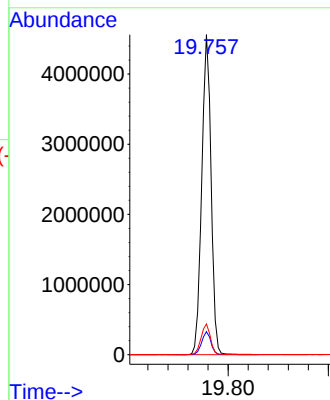
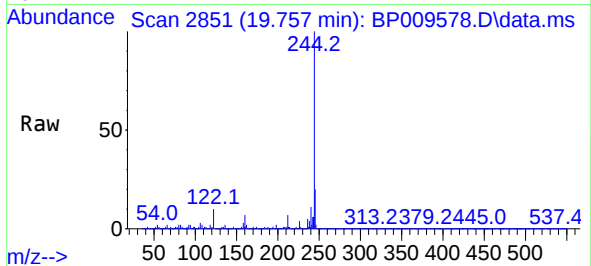
RBR-200031

Tgt Ion:244 Resp: 5880388
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.6 8.3 12.5

Manual Integrations

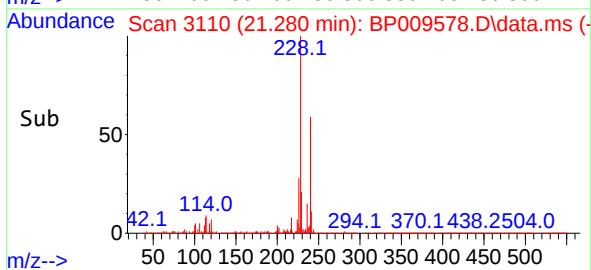
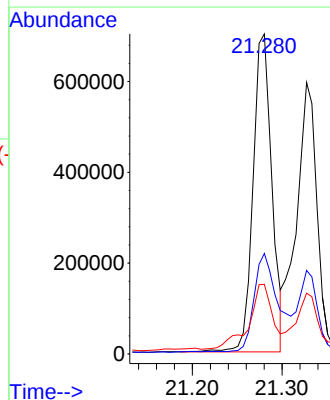
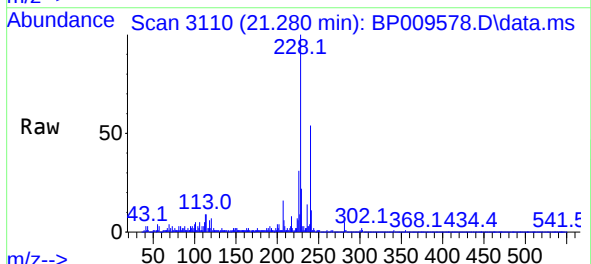
APPROVED

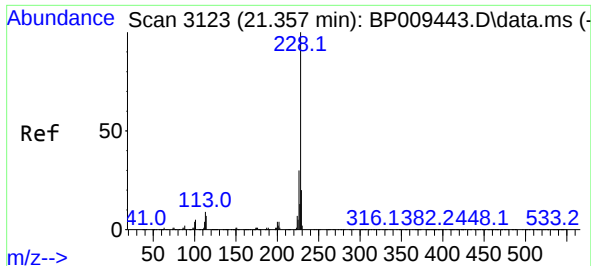
Reviewed By :Christian Giraldo 03/29/2022
 Supervised By :Jagrut Upadhyay 03/29/2022



#81
 Benzo(a)anthracene
 Concen: 10.336 ng
 RT: 21.280 min Scan# 3110
 Delta R.T. -0.006 min
 Lab File: BP009578.D
 Acq: 28 Mar 2022 22:17

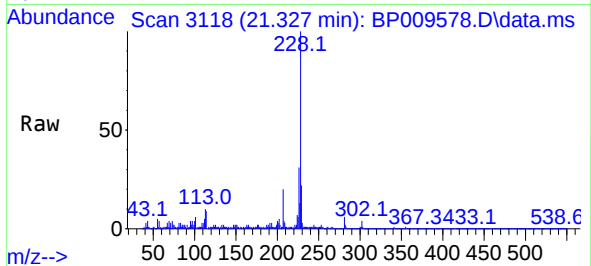
Tgt Ion:228 Resp: 1018278
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.0 33.0
 229 21.8 16.1 24.1





#83
Chrysene
Concen: 10.133 ng m
RT: 21.327 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

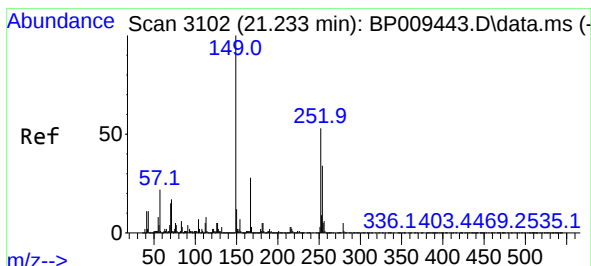
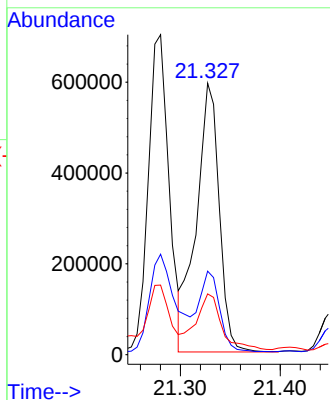
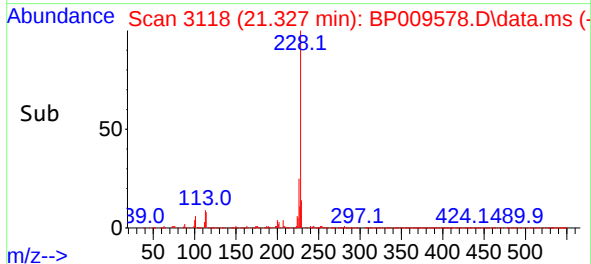
Instrument :
BNA_P
ClientSampleId :
RBR-200031



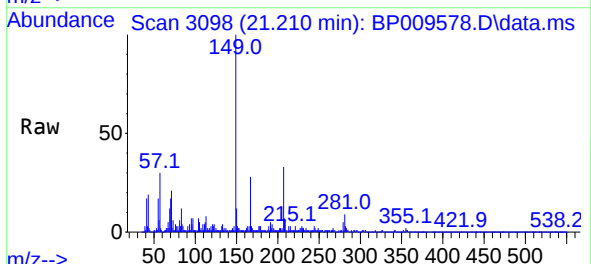
Tgt Ion:228 Resp: 945200
Ion Ratio Lower Upper
228 100
226 30.8 24.2 36.2
229 22.4 16.1 24.1

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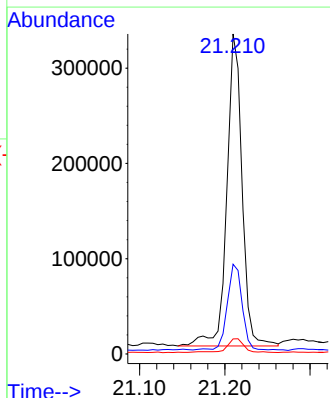
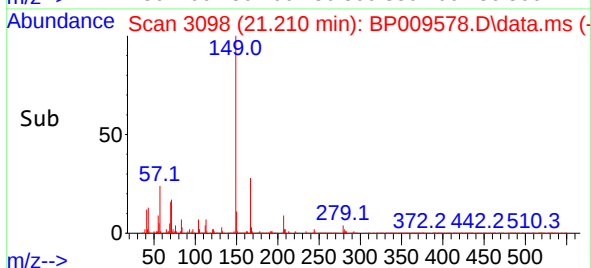
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022

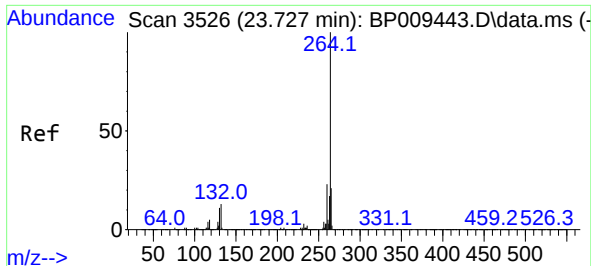


#84
Bis(2-ethylhexyl)phthalate
Concen: 6.964 ng
RT: 21.210 min Scan# 3098
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17



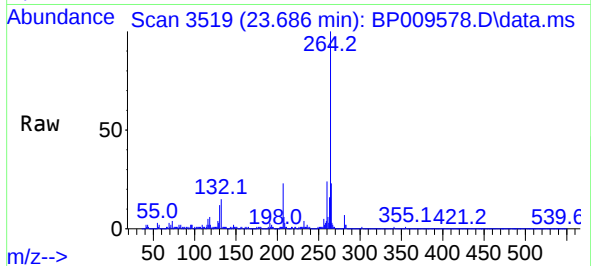
Tgt Ion:149 Resp: 407648
Ion Ratio Lower Upper
149 100
167 28.0 22.6 33.8
279 4.7 3.8 5.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.686 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BP009578.D
 Acq: 28 Mar 2022 22:17

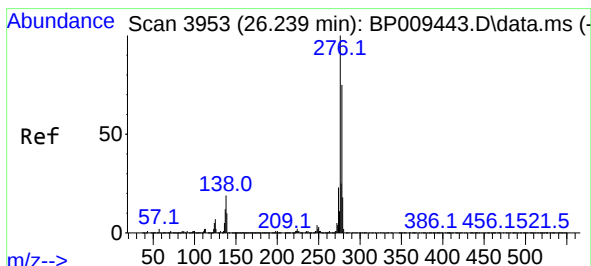
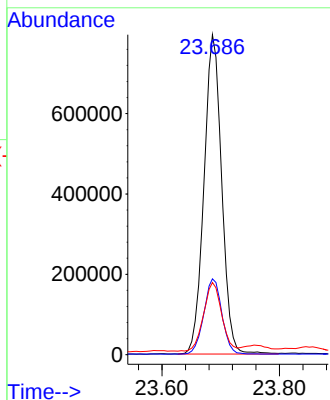
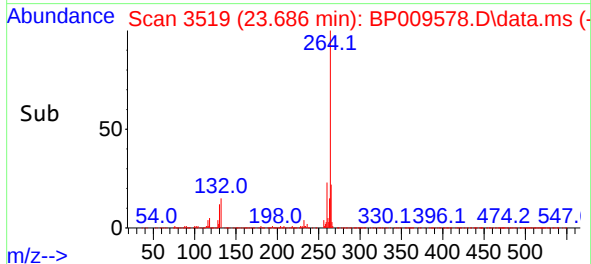
Instrument :
 BNA_P
 ClientSampleId :
 RBR-200031



Tgt Ion:264 Resp: 1660654
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.0
 265 22.5 17.2 25.8

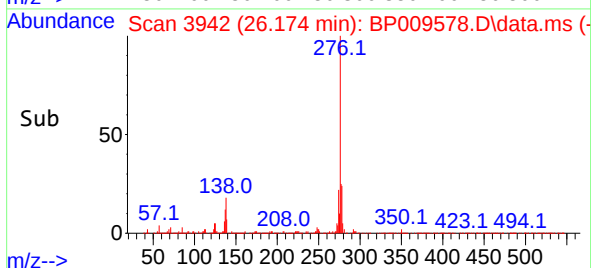
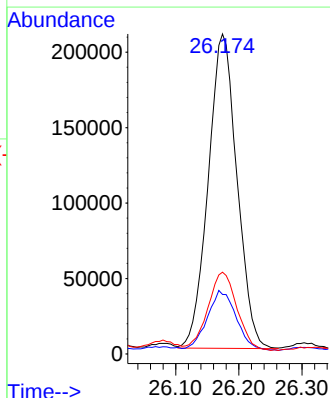
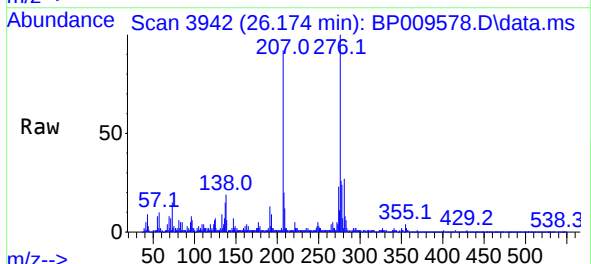
Manual Integrations
 APPROVED

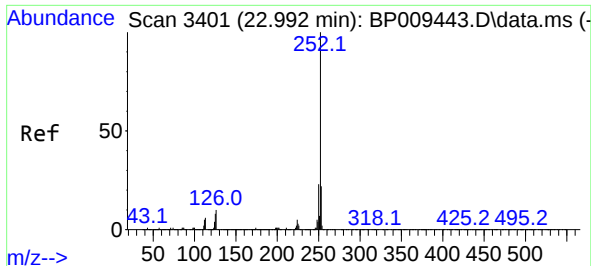
Reviewed By :Christian Giraldo 03/29/2022
 Supervised By :Jagrut Upadhyay 03/29/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.236 ng
 RT: 26.174 min Scan# 3942
 Delta R.T. -0.024 min
 Lab File: BP009578.D
 Acq: 28 Mar 2022 22:17

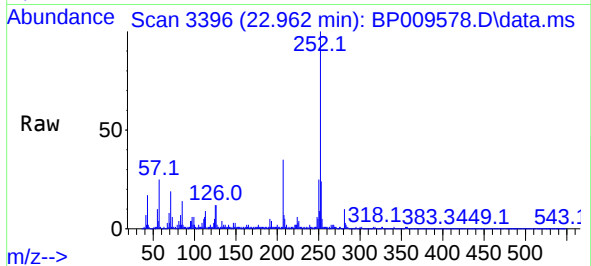
Tgt Ion:276 Resp: 659660
 Ion Ratio Lower Upper
 276 100
 138 19.2 20.5 30.7#
 277 25.4 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 13.270 ng m
RT: 22.962 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

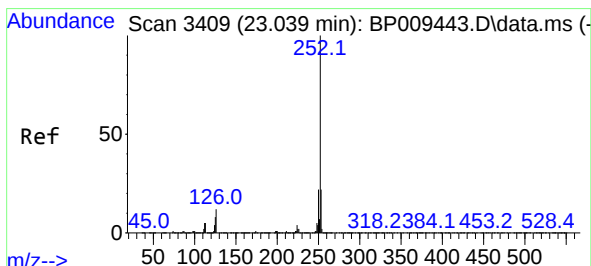
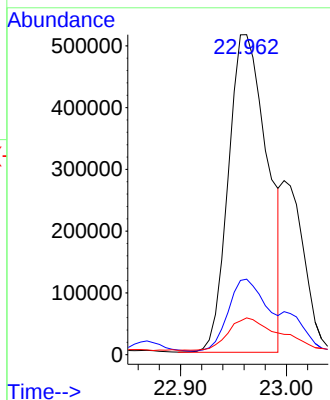
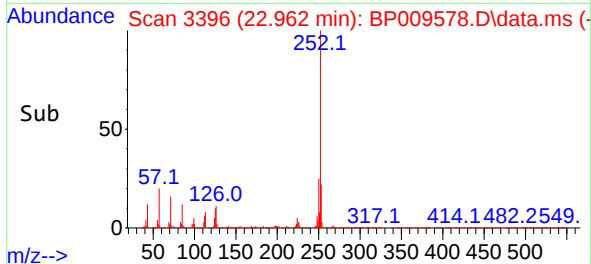
Instrument :
BNA_P
ClientSampleId :
RBR-200031



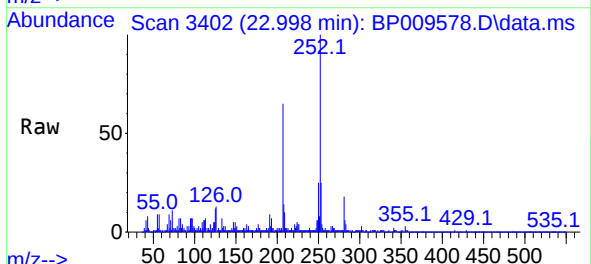
Tgt Ion:252 Resp: 131550
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 11.5 8.1 12.1

Manual Integrations
APPROVED

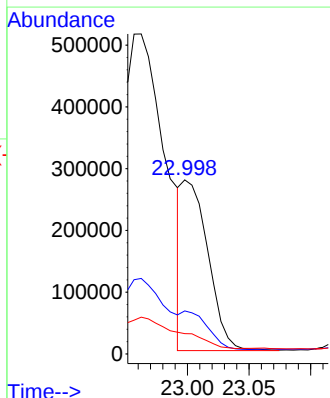
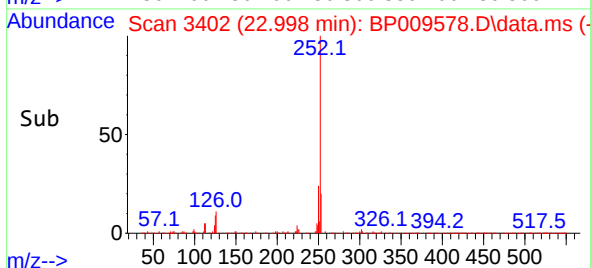
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022

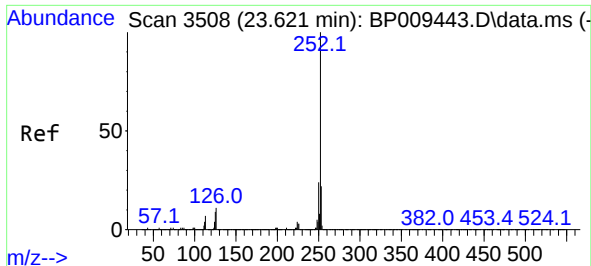


#89
Benzo(k)fluoranthene
Concen: 4.181 ng m
RT: 22.998 min Scan# 3402
Delta R.T. -0.012 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17



Tgt Ion:252 Resp: 405797
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 11.7 8.3 12.5





#90
Benzo(a)pyrene
Concen: 12.217 ng
RT: 23.580 min Scan# 30
Delta R.T. -0.006 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Instrument :

BNA_P

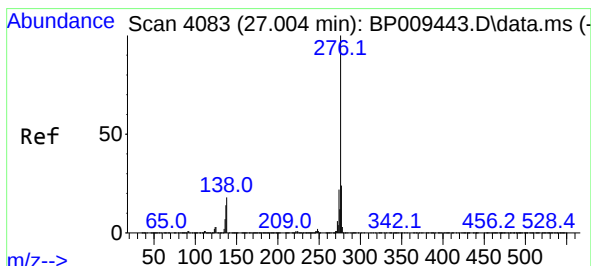
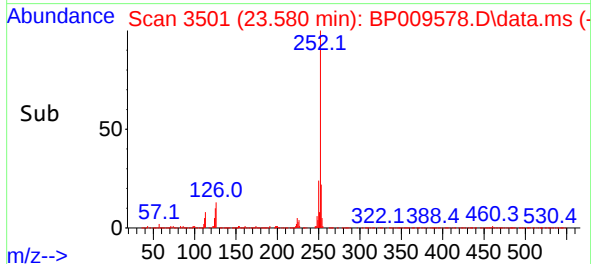
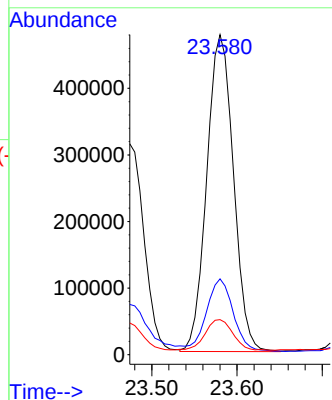
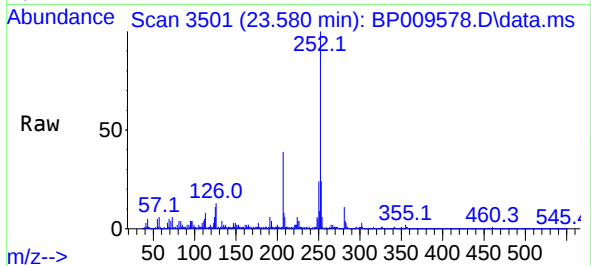
ClientSampleId :

RBR-200031

Tgt Ion:252 Resp: 103621
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 11.0 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: 6.519 ng
RT: 26.939 min Scan# 4072
Delta R.T. -0.012 min
Lab File: BP009578.D
Acq: 28 Mar 2022 22:17

Tgt Ion:276 Resp: 673397
Ion Ratio Lower Upper
276 100
277 25.1 19.2 28.8
138 20.4 18.0 27.0

