

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020722\
 Data File : BP009049.D
 Acq On : 07 Feb 2022 16:30
 Operator : CG/JU
 Sample : N1373-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-3-020222

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/09/2022
 Supervised By : Yogesh Patel 02/15/2022

Quant Time: Feb 07 17:01:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 07 15:13:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	296352	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	1032816	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	561762	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1086204	20.000	ng	0.00
76) Chrysene-d12	21.298	240	1057923	20.000	ng	0.00
86) Perylene-d12	23.698	264	1189197	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1345225	80.972	ng	0.00
7) Phenol-d6	6.993	99	1711678	78.191	ng	0.00
23) Nitrobenzene-d5	8.969	82	1034133	56.466	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	561117	74.810	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	2304946	57.438	ng	0.00
79) Terphenyl-d14	19.768	244	2891640	49.154	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.657	128	157759	2.995	ng	98
37) 2-Methylnaphthalene	12.275	142	109204	2.930	ng	96
38) 1-Methylnaphthalene	12.492	142	78082m	2.144	ng	
52) Acenaphthene	14.516	154	111786	3.716	ng	99
55) Dibenzofuran	14.851	168	153770	3.034	ng	# 97
58) Fluorene	15.504	166	170054	4.367	ng	99
71) Phenanthrene	17.251	178	1940721	32.997	ng	99
72) Anthracene	17.339	178	526093	9.143	ng	100
73) Carbazole	17.616	167	209395	3.796	ng	98
75) Fluoranthene	19.221	202	2491578	37.798	ng	98
78) Pyrene	19.574	202	2207090	29.327	ng	98
81) Benzo(a)anthracene	21.286	228	1142079	16.752	ng	99
83) Chrysene	21.339	228	987504	15.025	ng	97
87) Indeno(1,2,3-cd)pyrene	26.209	276	670995	7.594	ng	# 93
88) Benzo(b)fluoranthene	22.974	252	1323313	18.076	ng	# 92
89) Benzo(k)fluoranthene	23.015	252	431977m	5.914	ng	
90) Benzo(a)pyrene	23.598	252	988991	16.203	ng	96
91) Dibenzo(a,h)anthracene	26.209	278	184383	2.539	ng	# 73
92) Benzo(g,h,i)perylene	26.980	276	685527	9.482	ng	95

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

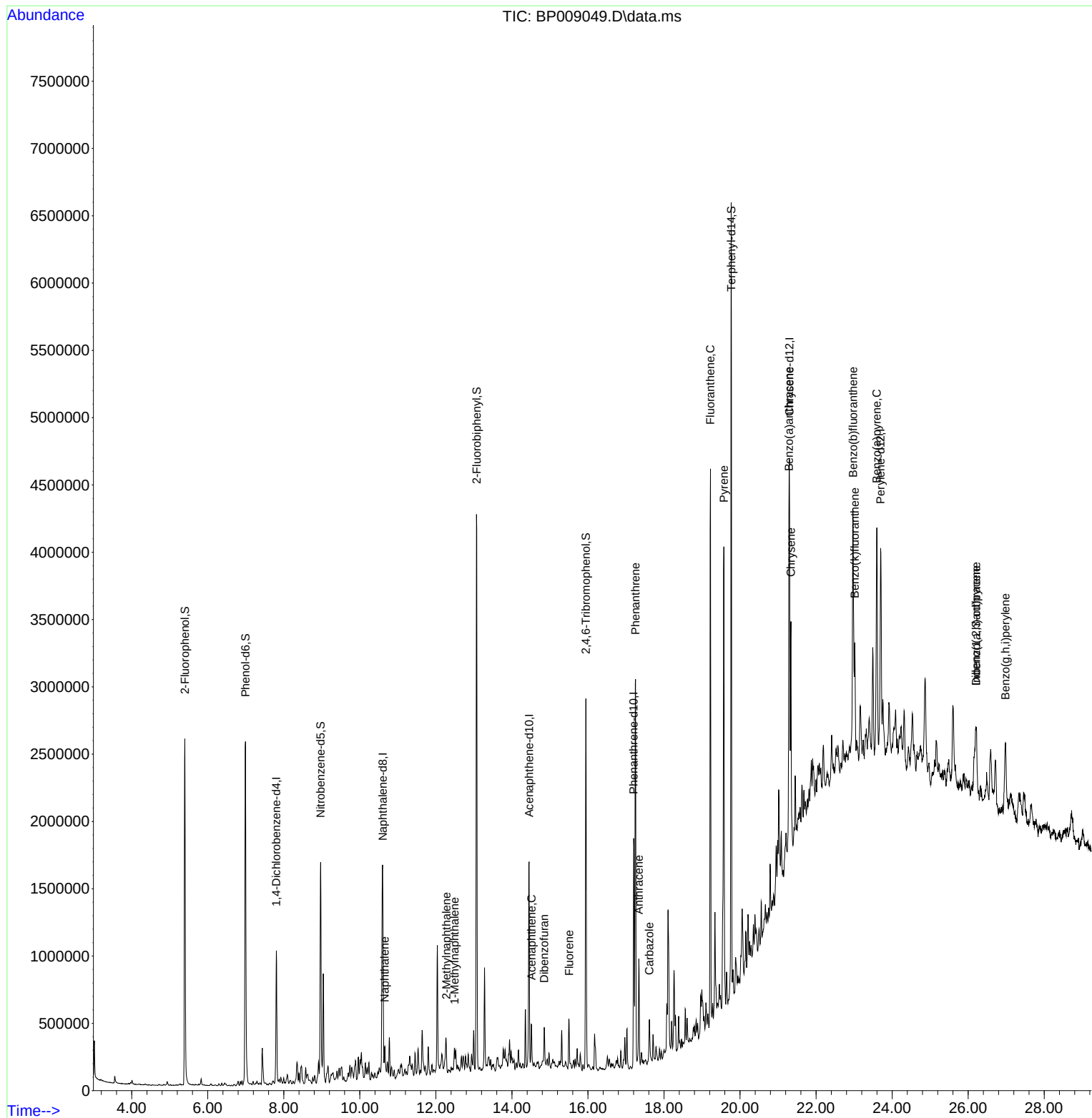
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020722\
Data File : BP009049.D
Acq On : 07 Feb 2022 16:30
Operator : CG/JU
Sample : N1373-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

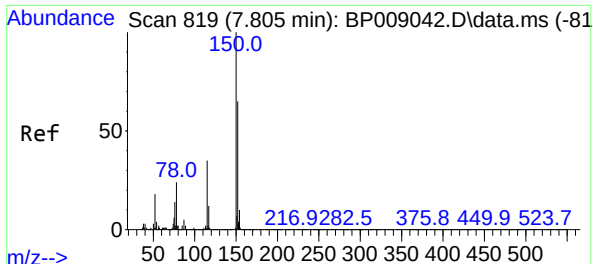
Instrument :
BNA_P
ClientSampleId :
OR-3-020222

Quant Time: Feb 07 17:01:59 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 07 15:13:17 2022
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Supervised By :Yogesh Patel 02/15/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.001 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

ClientSampleId :

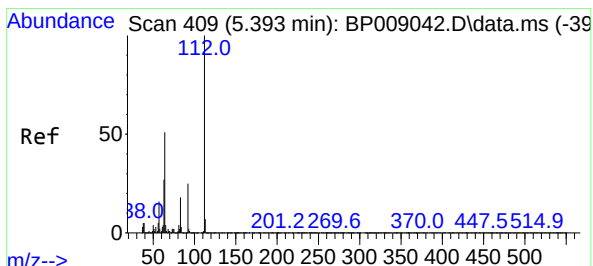
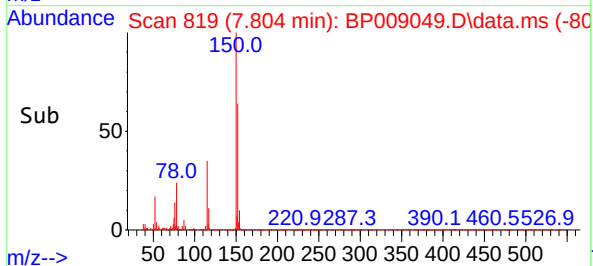
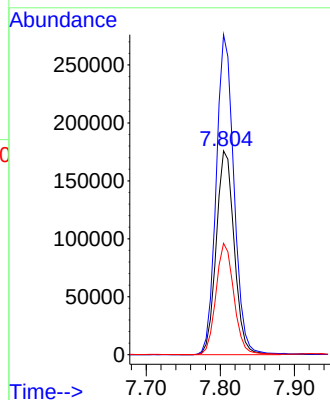
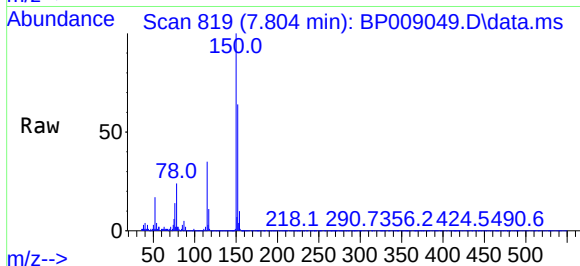
OR-3-020222

Tgt Ion:152 Resp: 296352
Ion Ratio Lower Upper
152 100
150 157.0 127.0 190.6
115 54.6 43.7 65.5

Manual Integrations

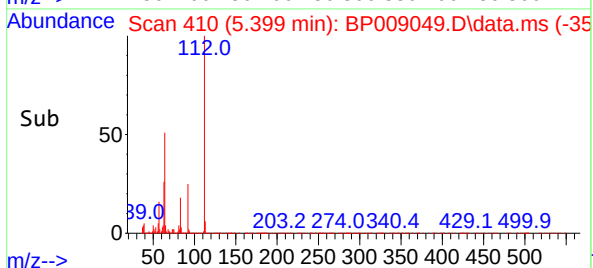
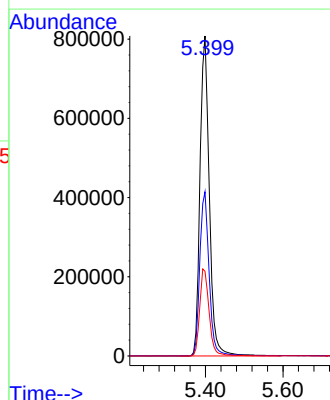
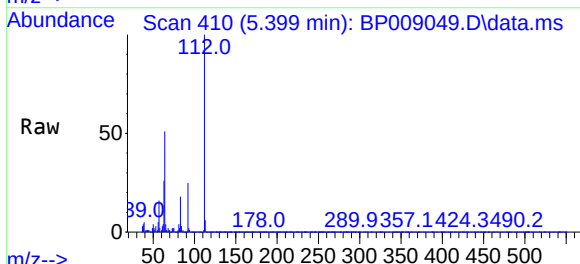
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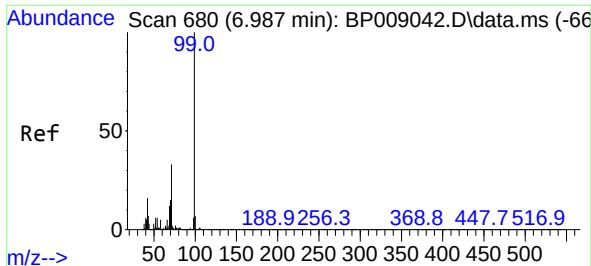
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :Yogesh Patel 02/15/2022



#5
2-Fluorophenol
Concen: 80.972 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:112 Resp: 1345225
Ion Ratio Lower Upper
112 100
64 51.3 39.7 59.5
63 26.5 20.0 30.0





Phenol-d6
Concen: 78.191 ng
RT: 6.993 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

ClientSampleId :

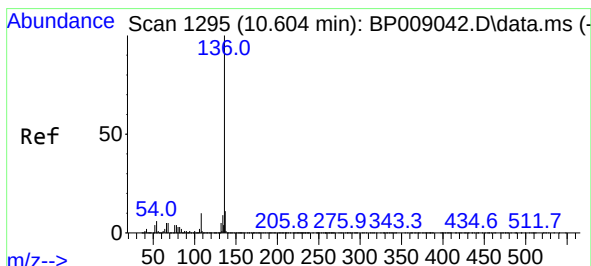
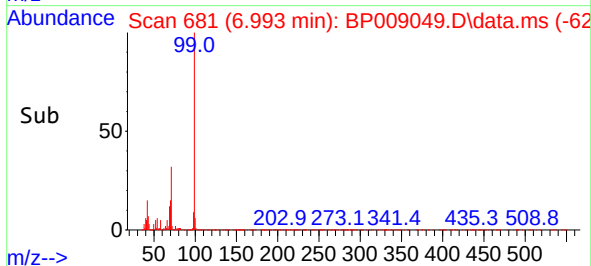
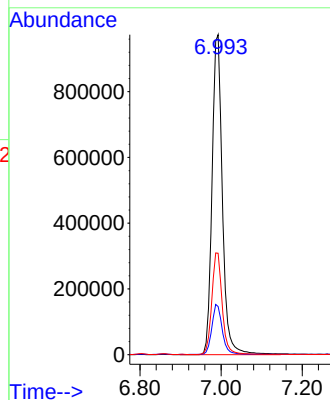
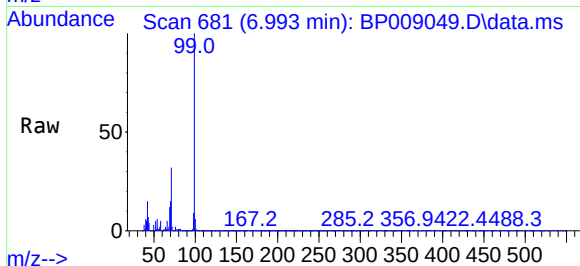
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Tgt Ion: 99 Resp: 1711678
Ion Ratio Lower Upper
99 100
42 15.1 10.8 16.2
71 31.7 23.8 35.6

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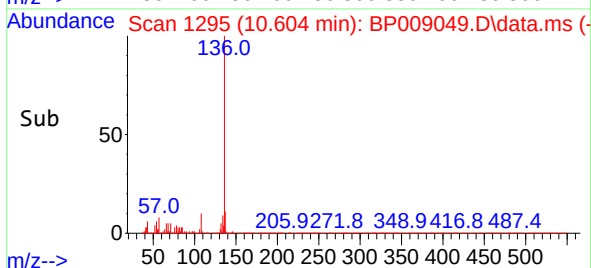
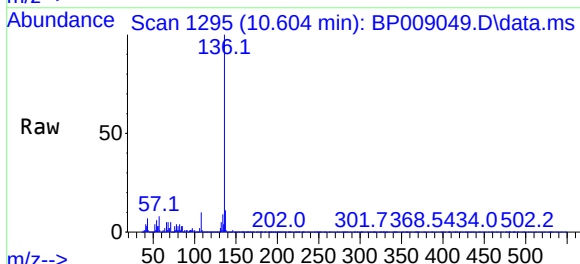
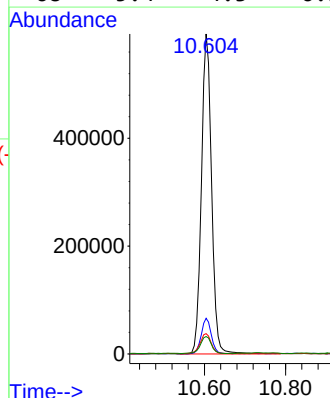
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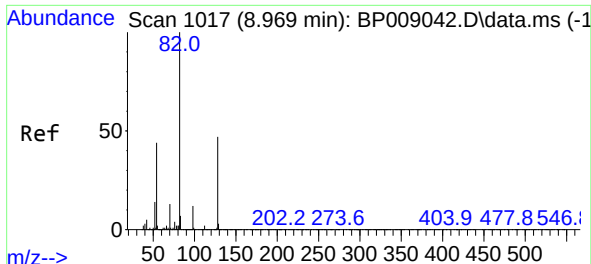
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :Yogesh Patel 02/15/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:136 Resp: 1032816
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 6.4 4.9 7.3
68 5.4 4.3 6.5





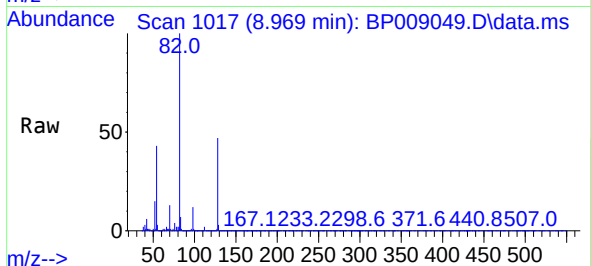
#23
Nitrobenzene-d5
Concen: 56.466 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

ClientSampleId :

OR-3-020222

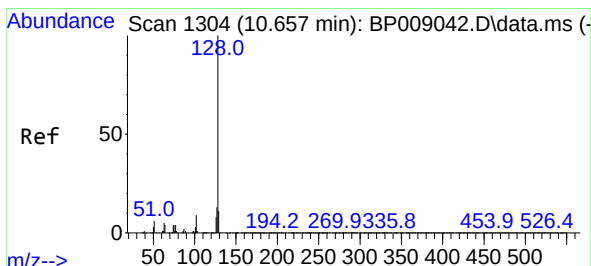
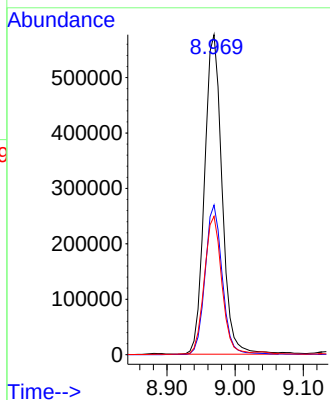
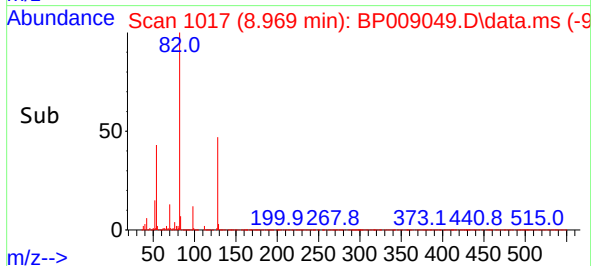


Tgt Ion: 82 Resp: 103413
Ion Ratio Lower Upper
82 100
128 46.7 39.4 59.2
54 43.2 32.6 48.8

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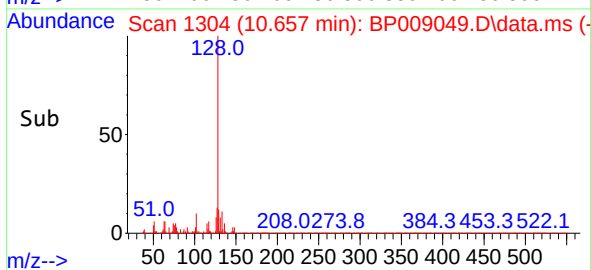
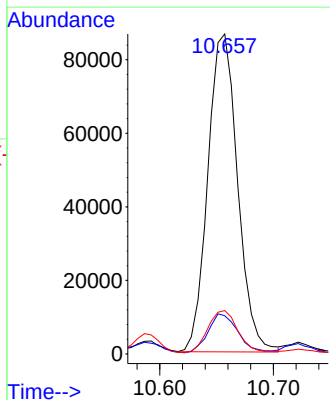
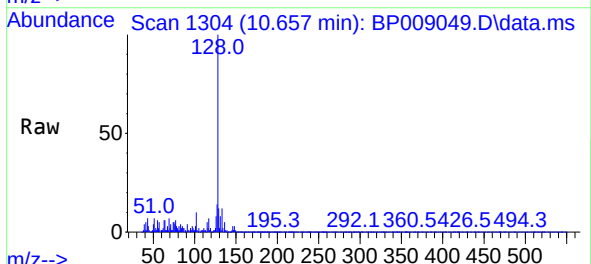
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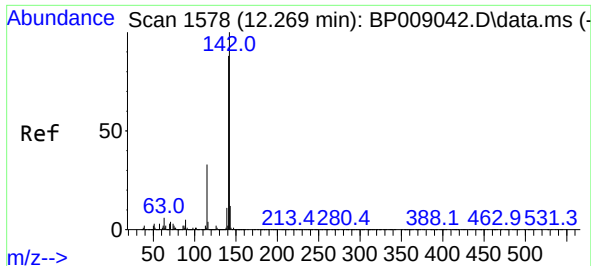
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :Yogesh Patel 02/15/2022



#31
Naphthalene
Concen: 2.995 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:128 Resp: 157759
Ion Ratio Lower Upper
128 100
129 12.0 8.8 13.2
127 13.5 10.4 15.6





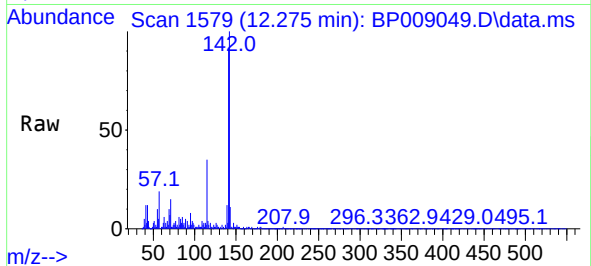
#37
2-Methylnaphthalene
Concen: 2.930 ng
RT: 12.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

ClientSampleId :

OR-3-020222

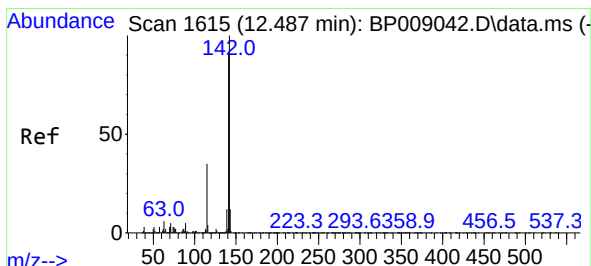
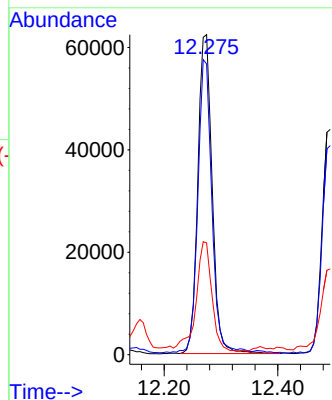
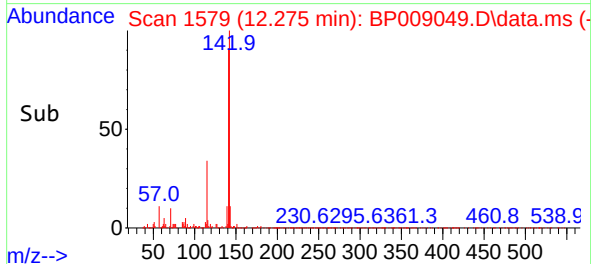


Tgt Ion:142 Resp: 109204
Ion Ratio Lower Upper
142 100
141 90.9 70.5 105.7
115 34.9 24.6 36.8

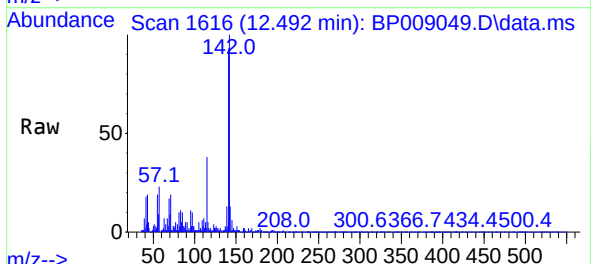
Manual Integrations

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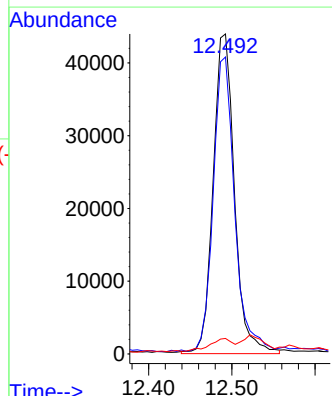
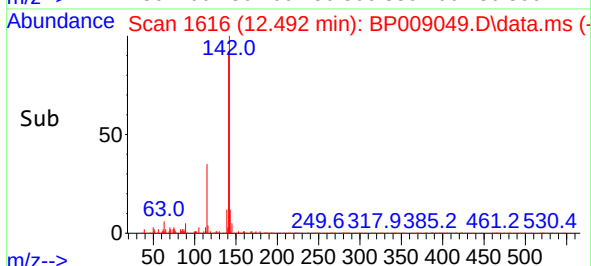
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :Yogesh Patel 02/15/2022

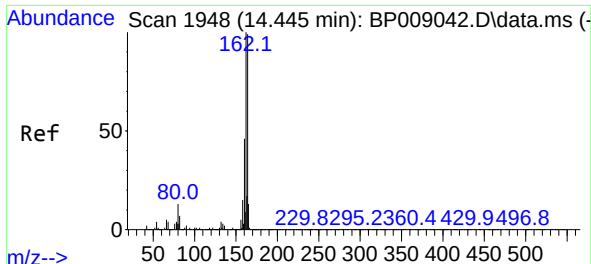


#38
1-Methylnaphthalene
Concen: 2.144 ng m
RT: 12.492 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30



Tgt Ion:142 Resp: 78082
Ion Ratio Lower Upper
142 100
141 92.8 73.2 109.8
116 4.9 2.7 4.1#





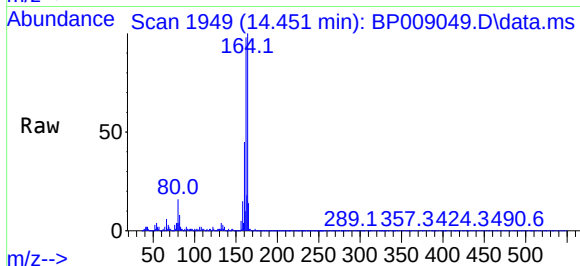
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1948
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

ClientSampleId :

OR-3-020222

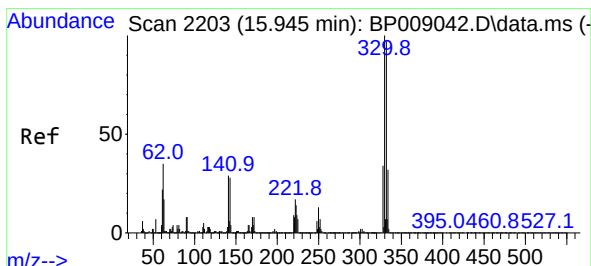
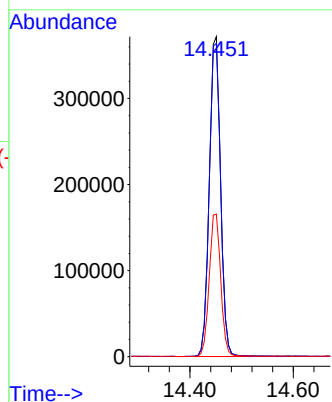
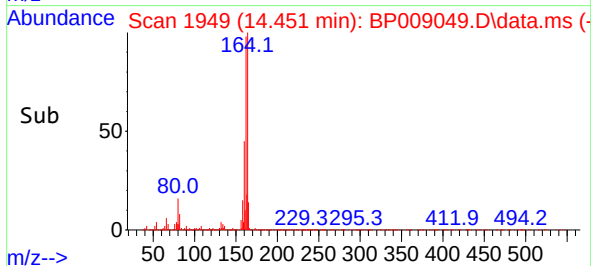


Tgt Ion:164 Resp: 561762
Ion Ratio Lower Upper
164 100
162 97.9 79.9 119.9
160 44.6 35.5 53.3

Manual Integrations

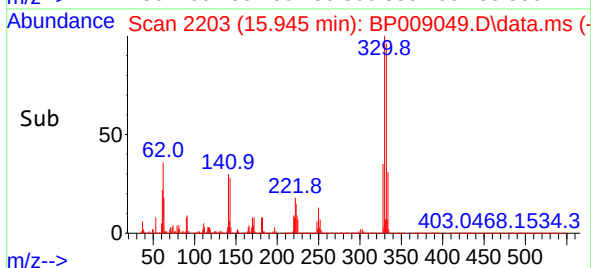
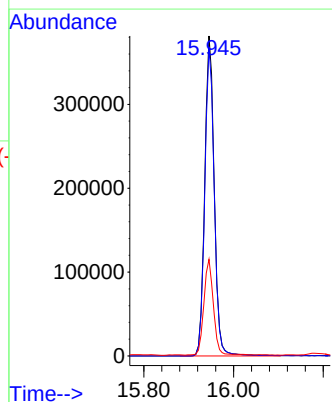
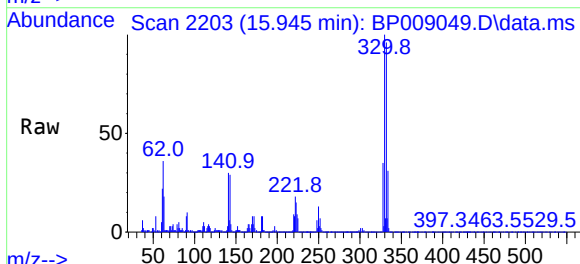
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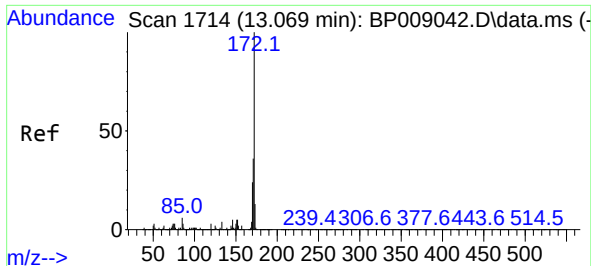
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :Yogesh Patel 02/15/2022



#42
2,4,6-Tribromophenol
Concen: 74.810 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:330 Resp: 561117
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.4
141 30.0 21.3 31.9





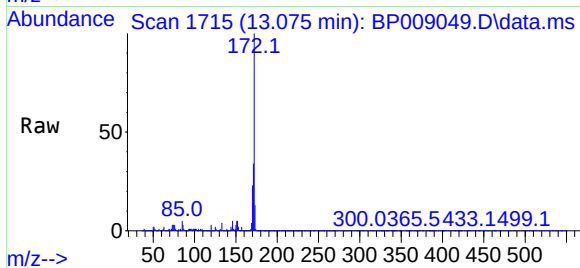
#45
2-Fluorobiphenyl
Concen: 57.438 ng
RT: 13.075 min Scan# 1714
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Instrument :

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OR-3-020222

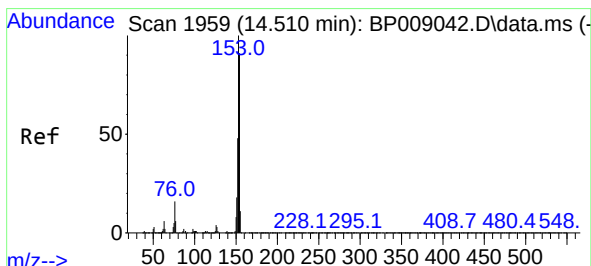
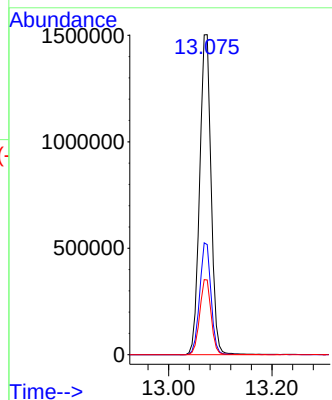


Tgt Ion:172 Resp: 2304940
Ion Ratio Lower Upper
172 100
171 34.4 29.3 43.9
170 23.3 19.5 29.3

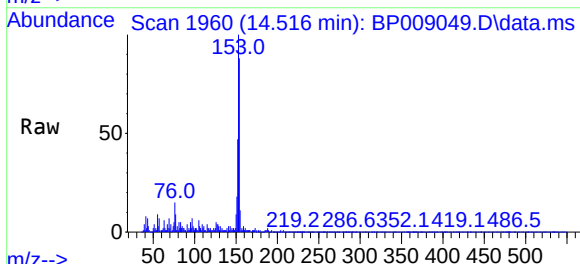
Manual Integrations

APPROVED

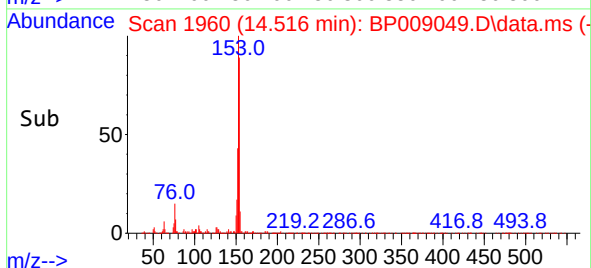
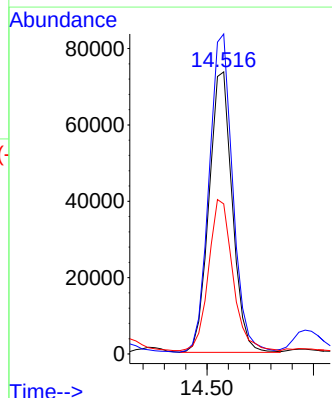
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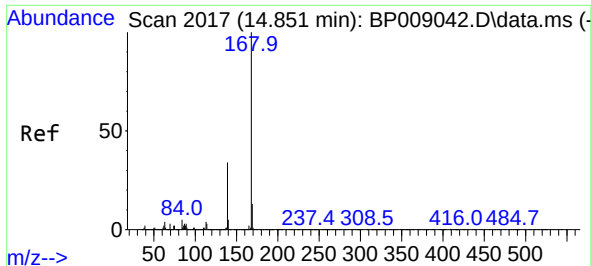


#52
Acenaphthene
Concen: 3.716 ng
RT: 14.516 min Scan# 1960
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30



Tgt Ion:154 Resp: 111786
Ion Ratio Lower Upper
154 100
153 113.4 89.4 134.2
152 53.2 42.6 63.8





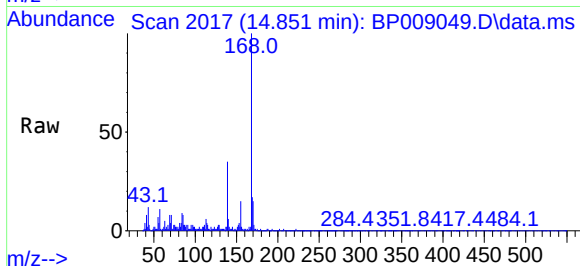
#55
Dibenzenofuran
Concen: 3.034 ng
RT: 14.851 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

ClientSampleId :

OR-3-020222

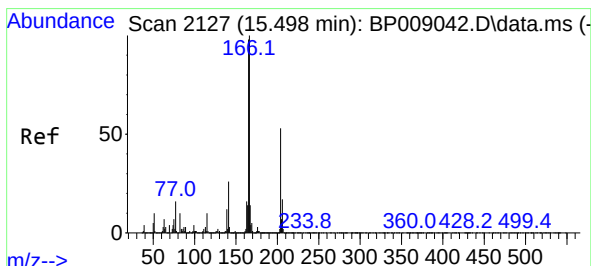
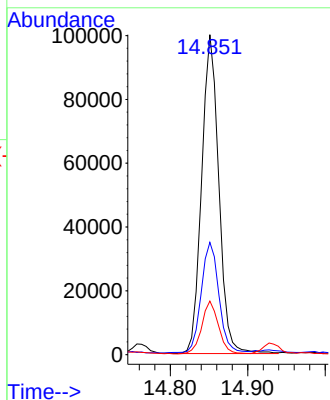
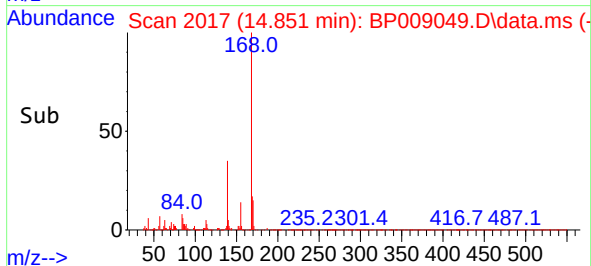


Tgt Ion:168 Resp: 153770
Ion Ratio Lower Upper
168 100
139 35.1 27.4 41.0
169 16.8 10.9 16.3

Manual Integrations

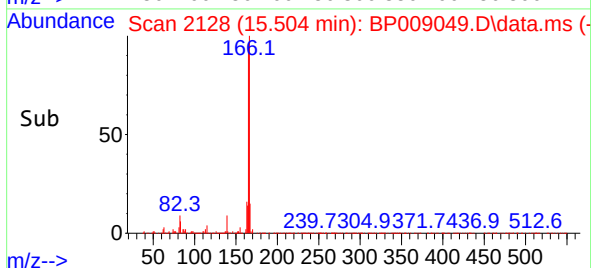
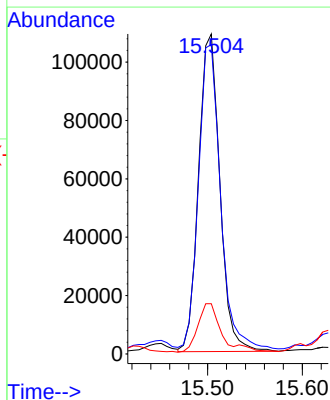
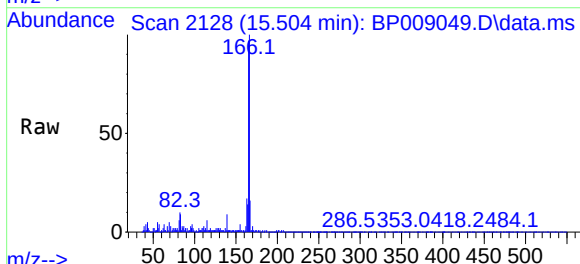
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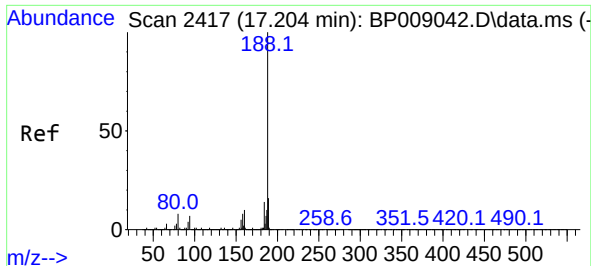
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :Yogesh Patel 02/15/2022



#58
Fluorene
Concen: 4.367 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:166 Resp: 170054
Ion Ratio Lower Upper
166 100
165 96.7 77.2 115.8
167 15.7 11.2 16.8





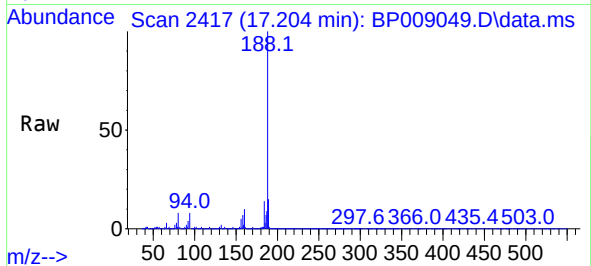
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

ClientSampleId :

OR-3-020222

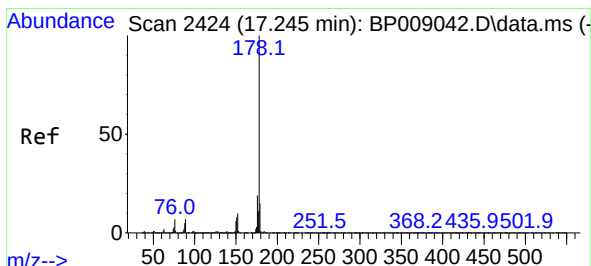
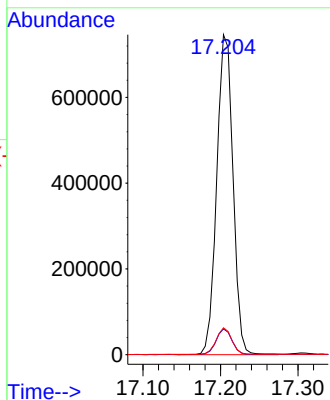
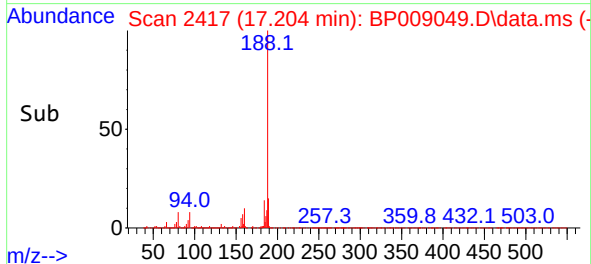


Tgt Ion:188 Resp: 1086204
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.4 7.2 10.8

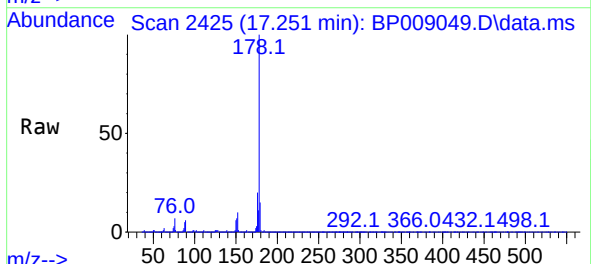
Manual Integrations

APPROVED

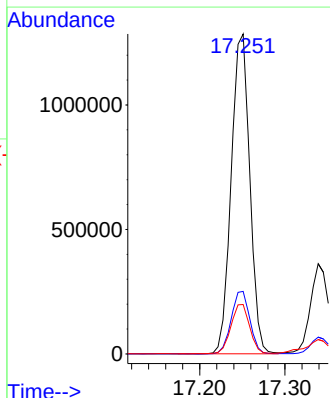
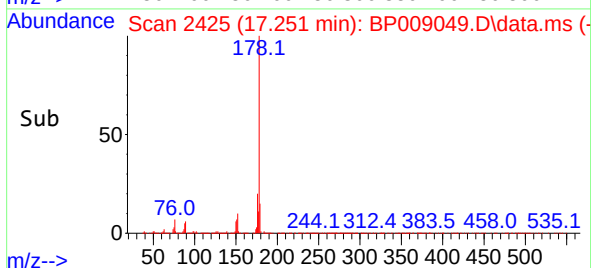
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :Yogesh Patel 02/15/2022

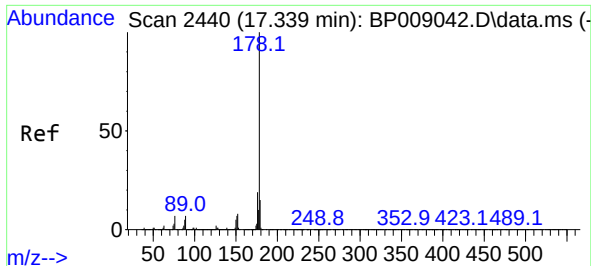


#71
Phenanthrene
Concen: 32.997 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30



Tgt Ion:178 Resp: 1940721
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.5 13.0 19.4





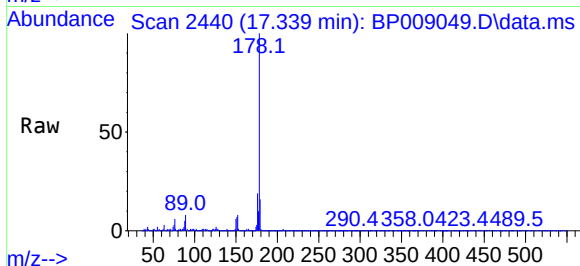
#72
 Anthracene
 Concen: 9.143 ng
 RT: 17.339 min Scan# 2440
 Delta R.T. -0.000 min
 Lab File: BP009049.D
 Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

ClientSampleId :

OR-3-020222

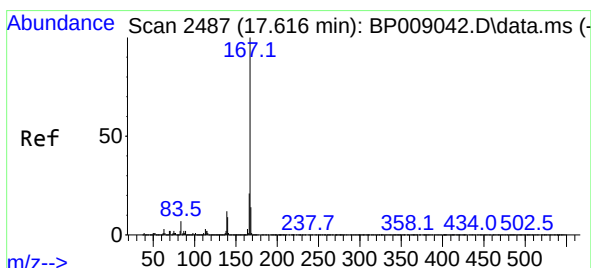
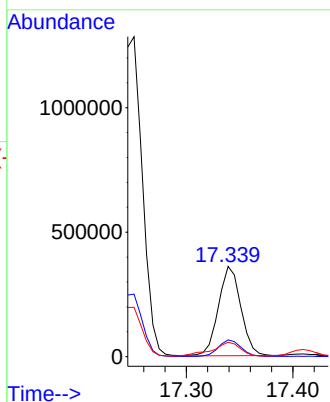
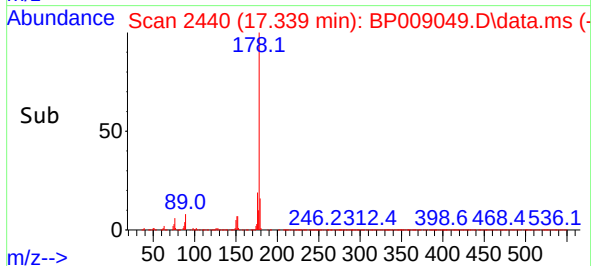


Tgt Ion:178 Resp: 526093
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.1 22.7
 179 16.0 12.8 19.2

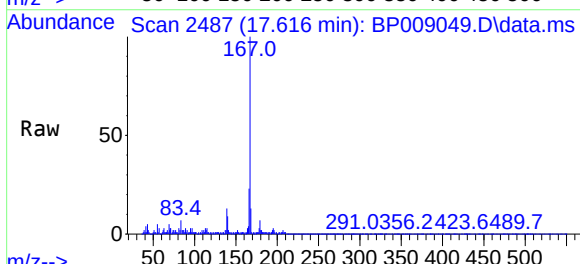
Manual Integrations

APPROVED

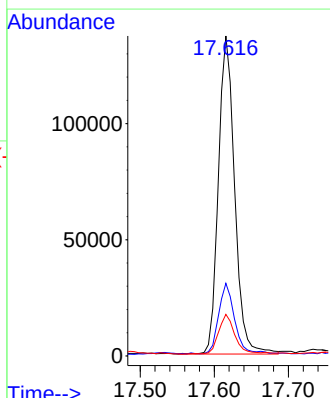
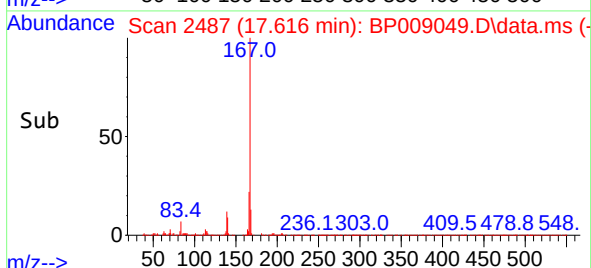
Reviewed By :Christian Giraldo 02/09/2022
 Supervised By :Yogesh Patel 02/15/2022

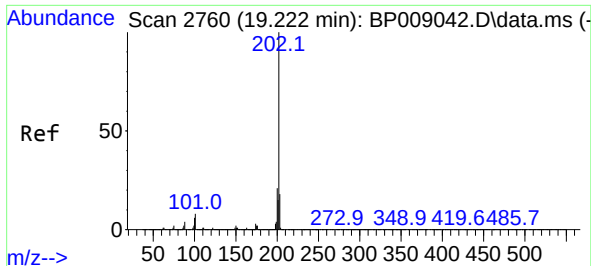


#73
 Carbazole
 Concen: 3.796 ng
 RT: 17.616 min Scan# 2487
 Delta R.T. -0.000 min
 Lab File: BP009049.D
 Acq: 07 Feb 2022 16:30



Tgt Ion:167 Resp: 209395
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.7 26.5
 139 13.0 9.8 14.6





#75
Fluoranthene
Concen: 37.798 ng
RT: 19.221 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

ClientSampleId :

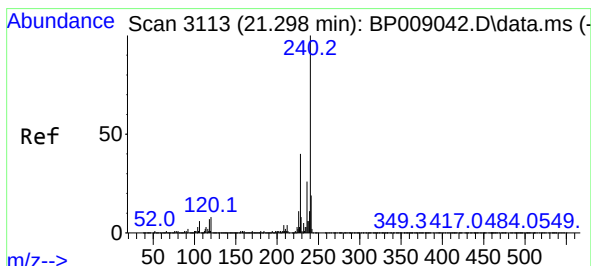
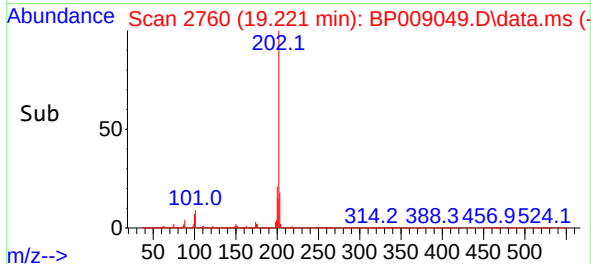
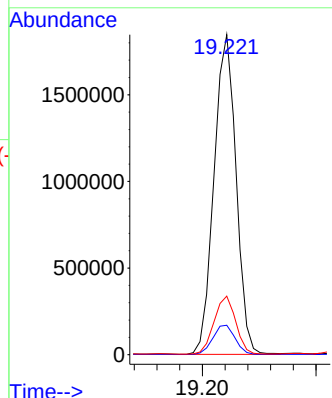
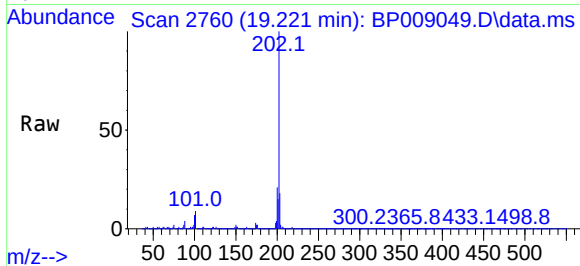
OR-3-020222

Tgt Ion:202 Resp: 2491578
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.7
203 18.3 0.0 38.9

Manual Integrations

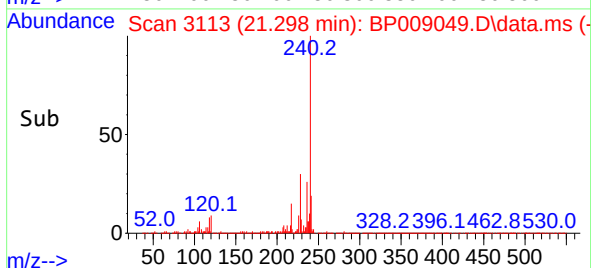
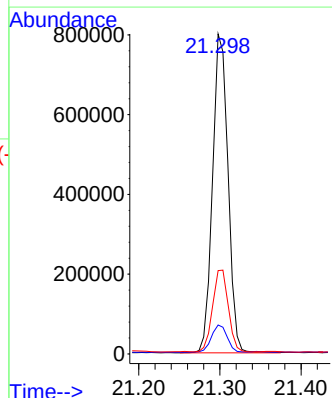
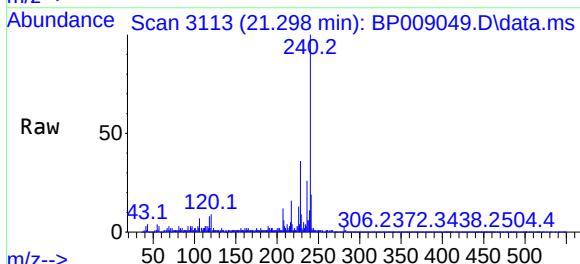
APPROVED

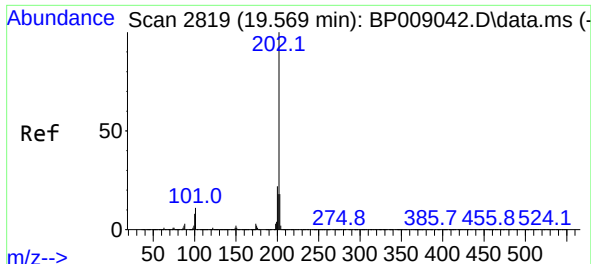
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :Yogesh Patel 02/15/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:240 Resp: 1057923
Ion Ratio Lower Upper
240 100
120 9.0 7.7 11.5
236 26.0 21.2 31.8





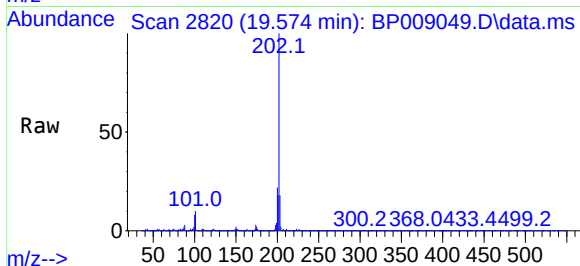
#78
Pyrene
Concen: 29.327 ng
RT: 19.574 min Scan# 2819
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

ClientSampleId :

OR-3-020222

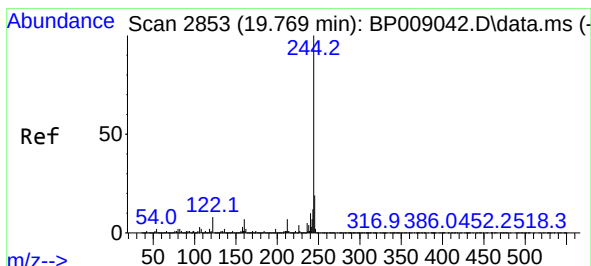
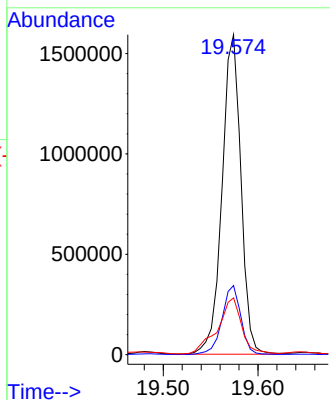
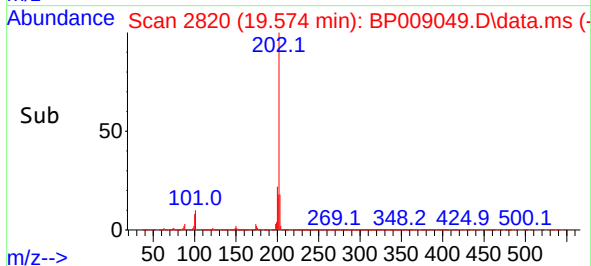


Tgt Ion:202 Resp: 2207090
Ion Ratio Lower Upper
202 100
200 21.6 18.0 27.0
203 17.8 15.0 22.6

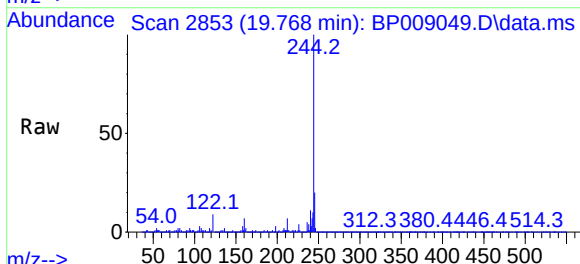
Manual Integrations

APPROVED

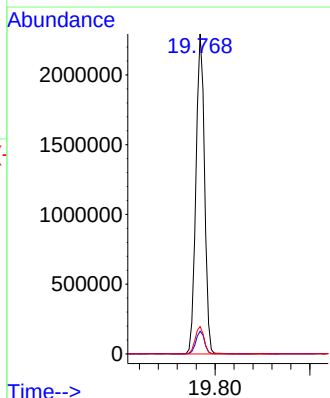
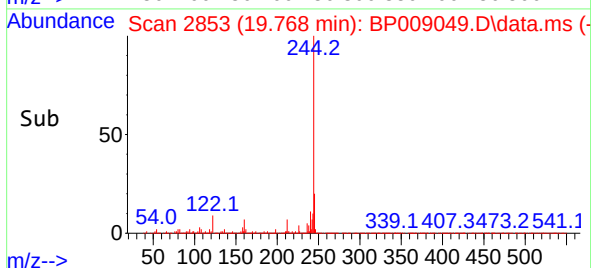
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :Yogesh Patel 02/15/2022

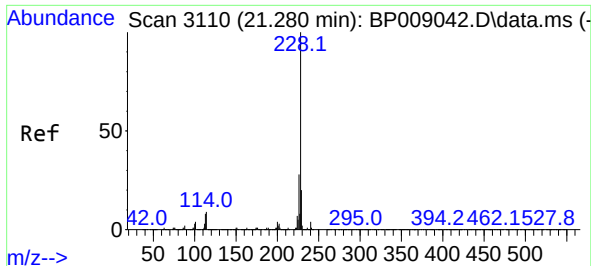


#79
Terphenyl-d14
Concen: 49.154 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30



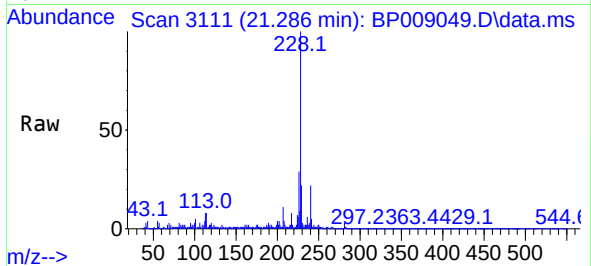
Tgt Ion:244 Resp: 2891640
Ion Ratio Lower Upper
244 100
212 7.1 6.5 9.7
122 8.6 9.2 13.8





#81
Benzo(a)anthracene
Concen: 16.752 ng
RT: 21.286 min Scan# 3110
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

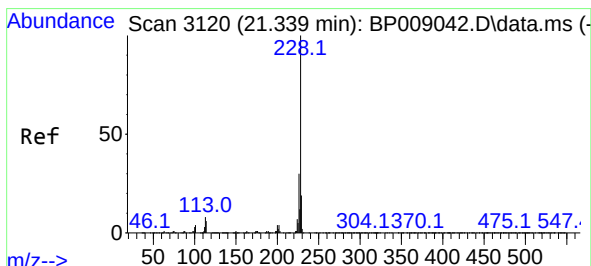
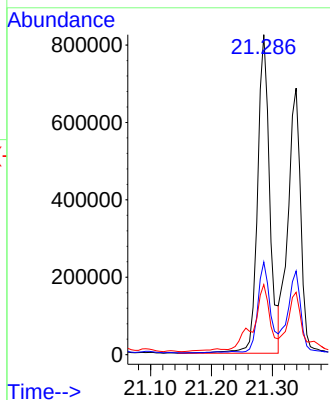
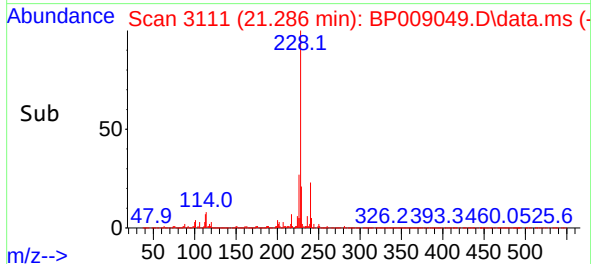
Instrument :
BNA_P
ClientSampleId :
OR-3-020222



Tgt Ion:228 Resp: 1142079
Ion Ratio Lower Upper
228 100
226 28.9 23.3 34.9
229 21.9 17.0 25.6

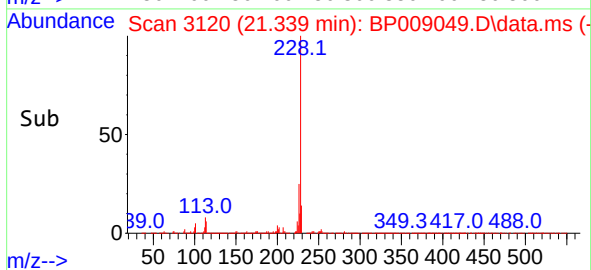
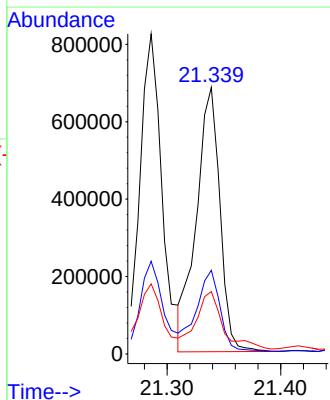
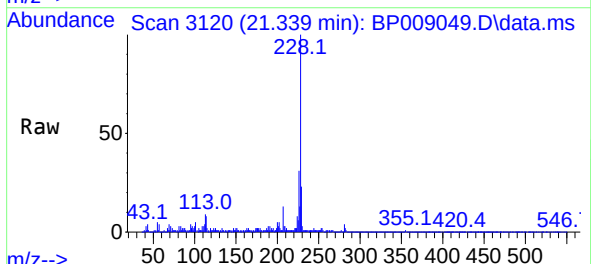
Manual Integrations
APPROVED

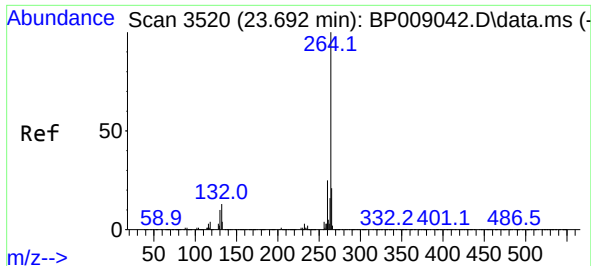
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :Yogesh Patel 02/15/2022



#83
Chrysene
Concen: 15.025 ng
RT: 21.339 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Tgt Ion:228 Resp: 987504
Ion Ratio Lower Upper
228 100
226 31.4 26.0 39.0
229 23.4 16.9 25.3





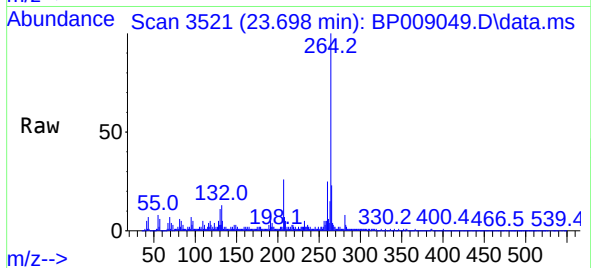
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.698 min Scan# 3520
 Delta R.T. 0.006 min
 Lab File: BP009049.D
 Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

ClientSampleId :

OR-3-020222

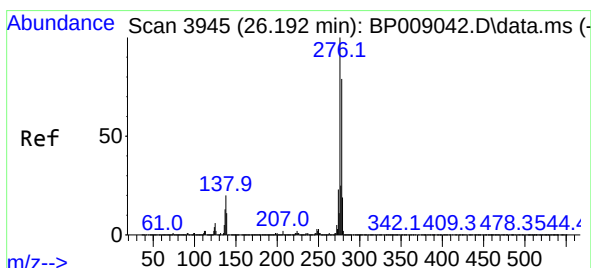
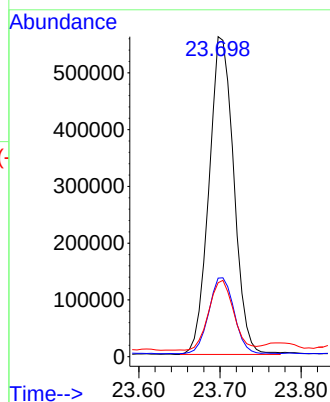
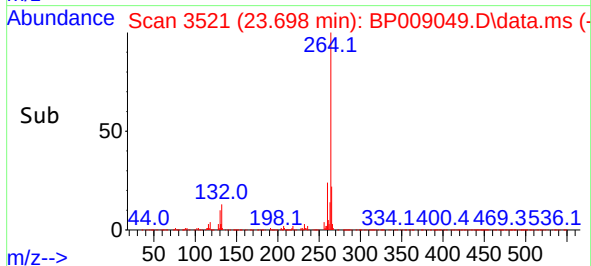


Tgt Ion:264 Resp: 118919
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.1 28.7
 265 23.1 17.1 25.7

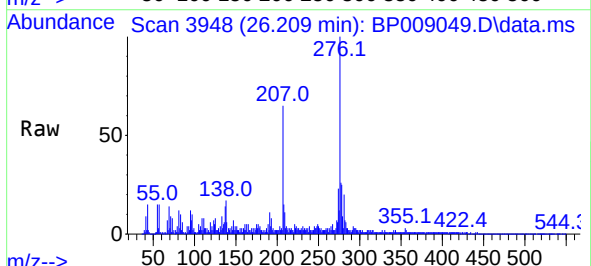
Manual Integrations

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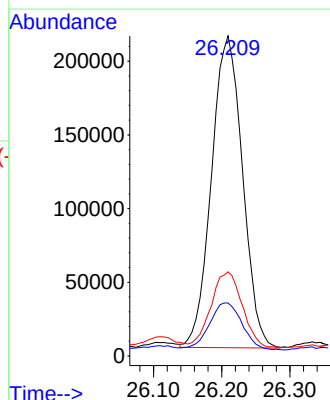
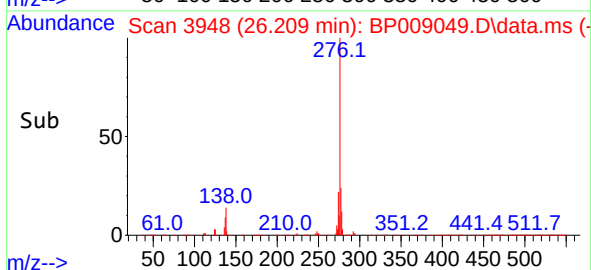
Reviewed By :Christian Giraldo 02/09/2022
 Supervised By :Yogesh Patel 02/15/2022

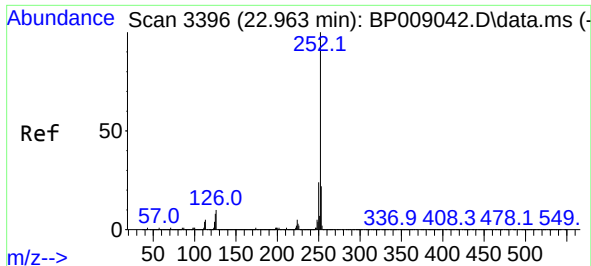


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.594 ng
 RT: 26.209 min Scan# 3948
 Delta R.T. 0.017 min
 Lab File: BP009049.D
 Acq: 07 Feb 2022 16:30



Tgt Ion:276 Resp: 670995
 Ion Ratio Lower Upper
 276 100
 138 15.9 17.8 26.6#
 277 24.4 20.4 30.6





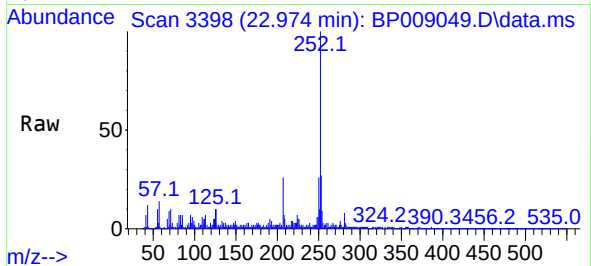
#88
Benzo(b)fluoranthene
Concen: 18.076 ng
RT: 22.974 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

ClientSampleId :

OR-3-020222

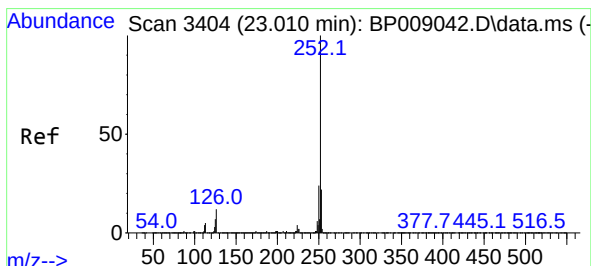
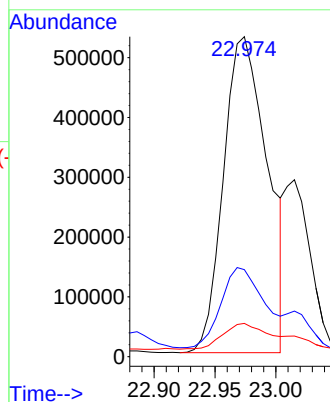
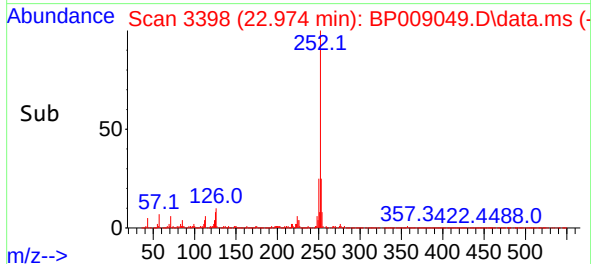


Tgt Ion:252 Resp: 132331
Ion Ratio Lower Upper
252 100
253 27.2 18.0 27.0
125 10.4 6.9 10.3

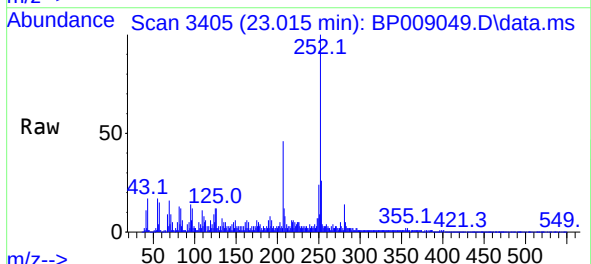
Manual Integrations

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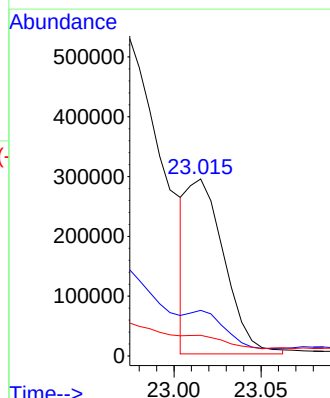
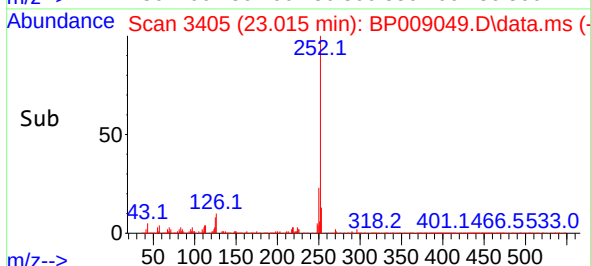
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :Yogesh Patel 02/15/2022

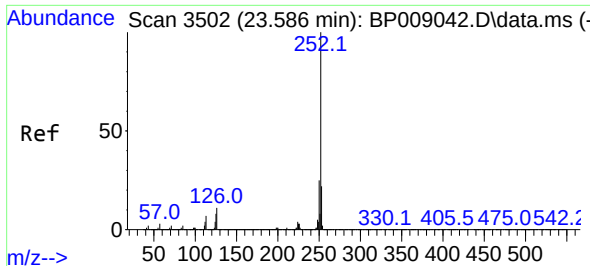


#89
Benzo(k)fluoranthene
Concen: 5.914 ng m
RT: 23.015 min Scan# 3405
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30



Tgt Ion:252 Resp: 431977
Ion Ratio Lower Upper
252 100
253 25.8 18.2 27.2
125 11.7 7.3 10.9





#90
Benzo(a)pyrene
Concen: 16.203 ng
RT: 23.598 min Scan# 3504
Delta R.T. 0.012 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Instrument :

BNA_P

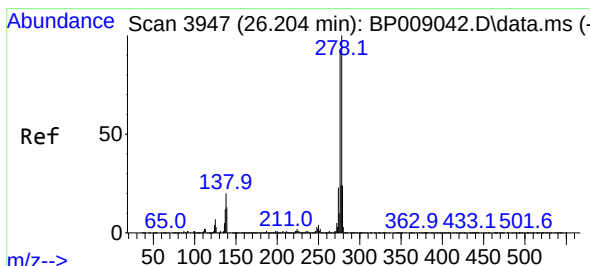
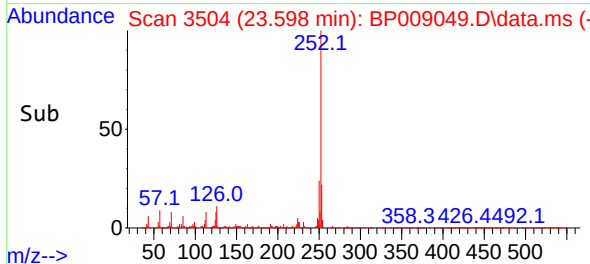
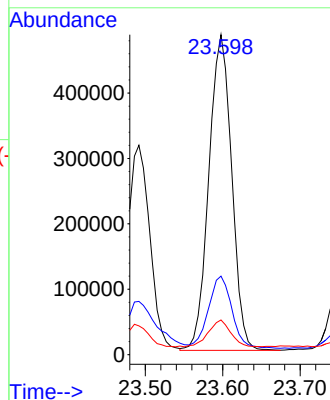
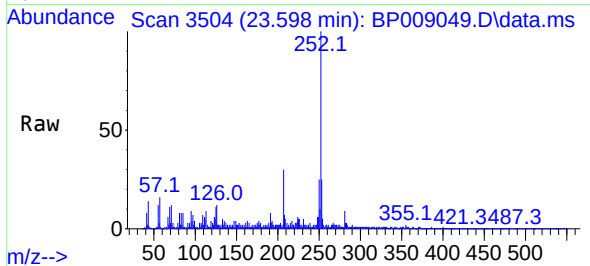
ClientSampleId :

OR-3-020222

Tgt Ion:252 Resp: 98899
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 10.9 7.8 11.6

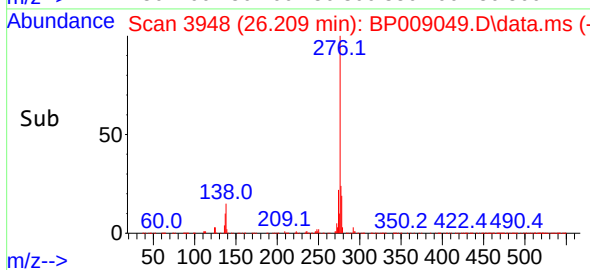
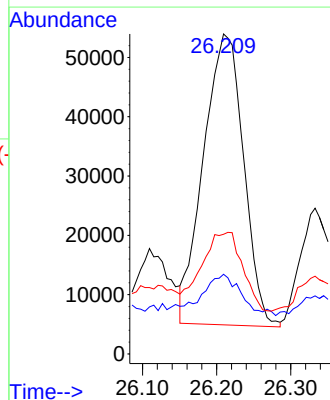
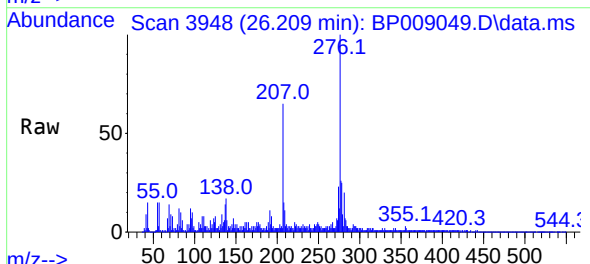
Manual Integrations
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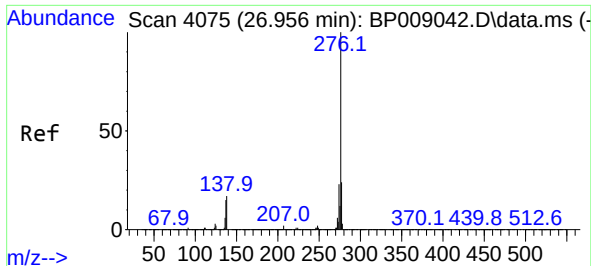
Reviewed By :Christian Giraldo 02/09/2022
Supervised By :Yogesh Patel 02/15/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.539 ng
RT: 26.209 min Scan# 3948
Delta R.T. 0.006 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

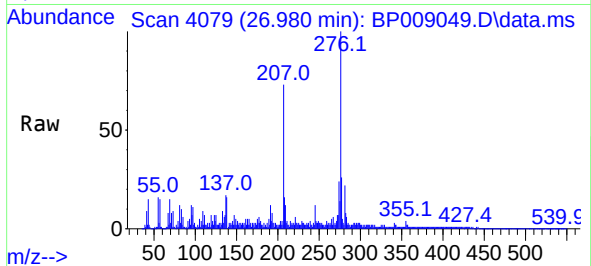
Tgt Ion:278 Resp: 184383
Ion Ratio Lower Upper
278 100
139 24.9 11.5 17.3#
279 37.4 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 9.482 ng
RT: 26.980 min Scan# 4079
Delta R.T. 0.023 min
Lab File: BP009049.D
Acq: 07 Feb 2022 16:30

Instrument :
BNA_P
ClientSampleId :
OR-3-020222



Tgt Ion: 276 Resp: 68552
Ion Ratio Lower Upper
276 100
277 25.6 19.2 28.8
138 15.8 15.0 22.4

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 02/09/2022
Supervised By : Yogesh Patel 02/15/2022

