

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021422\
 Data File : BP009148.D
 Acq On : 14 Feb 2022 22:47
 Operator : CG/JU
 Sample : N1526-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HE-2-021122

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/15/2022
 Supervised By :Yogesh Patel 02/18/2022

Quant Time: Feb 15 00:02:08 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	7.793	152	292857	20.000	ng	-0.01
21) Naphthalene-d8	10.593	136	1053345	20.000	ng	-0.01
39) Acenaphthene-d10	14.434	164	621664	20.000	ng	-0.01
64) Phenanthrene-d10	17.192	188	1265887	20.000	ng	-0.01
76) Chrysene-d12	21.292	240	1272172	20.000	ng	0.00
86) Perylene-d12	23.698	264	1436328	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	892661	54.372	ng	0.00
7) Phenol-d6	6.993	99	1035732	47.878	ng	0.00
23) Nitrobenzene-d5	8.958	82	634736	33.982	ng	-0.01
42) 2,4,6-Tribromophenol	15.940	330	425084	51.213	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	1525020	34.341	ng	-0.01
79) Terphenyl-d14	19.757	244	2110577	29.835	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.640	128	161177	3.000	ng	99
38) 1-Methylnaphthalene	12.475	142	74863	2.015	ng	98
49) Acenaphthylene	14.163	152	175381	3.205	ng	98
58) Fluorene	15.493	166	139372	3.234	ng	97
71) Phenanthrene	17.239	178	1079450	15.748	ng	99
72) Anthracene	17.334	178	331414	4.942	ng	98
75) Fluoranthene	19.216	202	1149651	14.965	ng	97
78) Pyrene	19.563	202	1282072	14.167	ng	98
81) Benzo(a)anthracene	21.280	228	571697	6.973	ng	96
83) Chrysene	21.333	228	530951	6.718	ng	96
87) Indeno(1,2,3-cd)pyrene	26.198	276	334556	3.135	ng	# 94
88) Benzo(b)fluoranthene	22.969	252	627083m	7.092	ng	
89) Benzo(k)fluoranthene	23.004	252	193292m	2.191	ng	
90) Benzo(a)pyrene	23.586	252	550035	7.461	ng	# 92
92) Benzo(g,h,i)perylene	26.974	276	377635	4.325	ng	96

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

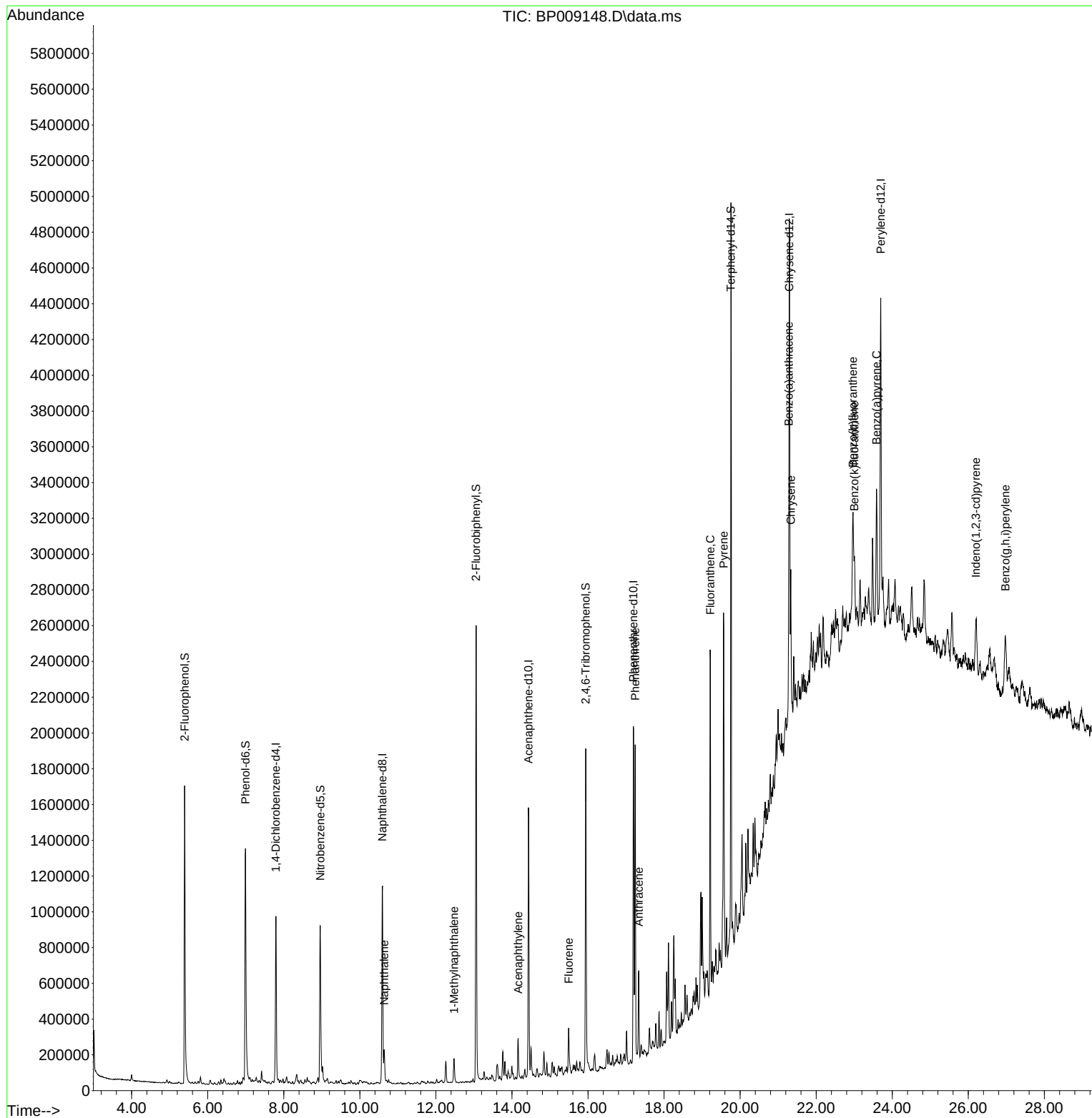
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021422\
Data File : BP009148.D
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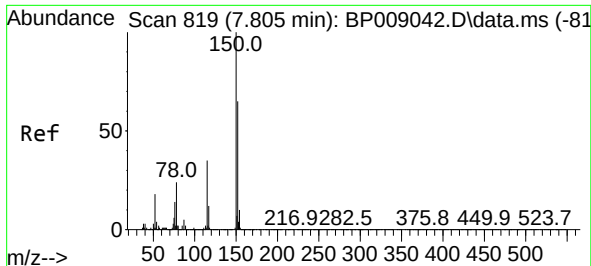
Instrument :
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HE-2-021122

Quant Time: Feb 15 00:02:08 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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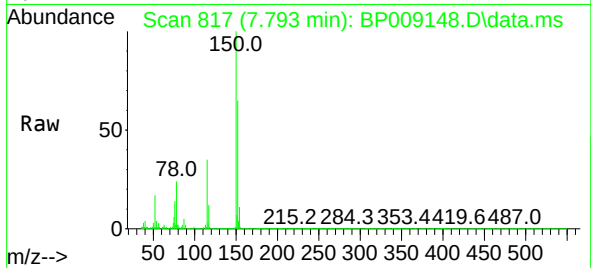
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 819
Delta R.T. -0.012 min
Lab File: BP009148.D
Acq: 14 Feb 2022 22:47

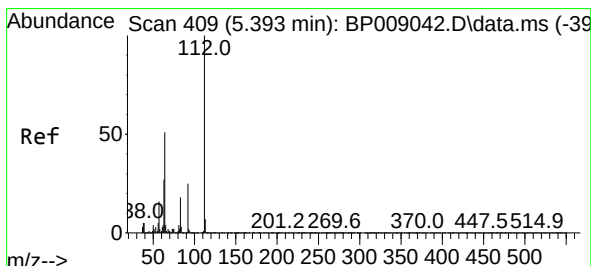
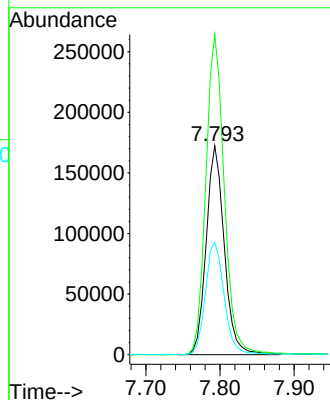
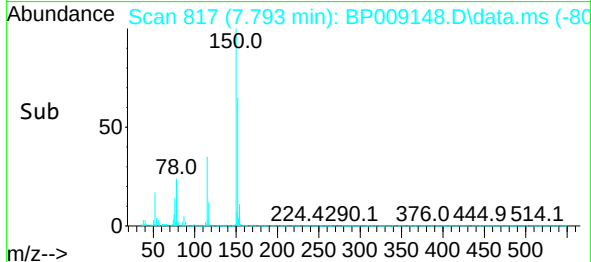
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BNA_P
ClientSampleId :
HE-2-021122



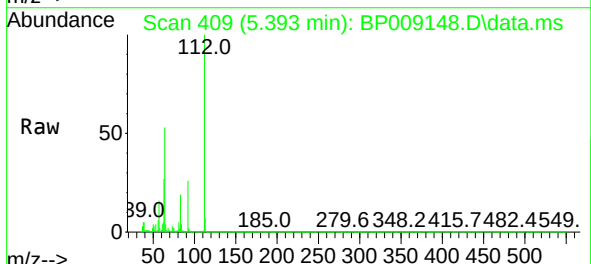
Tgt Ion:152 Resp: 29285
Ion Ratio Lower Upper
152 100
150 153.2 127.0 190.6
115 53.9 43.7 65.5

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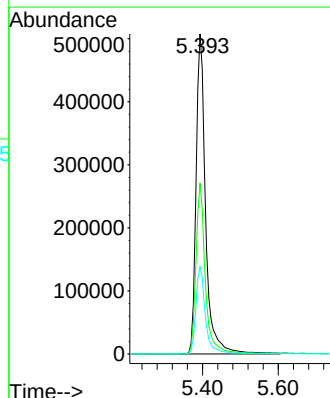
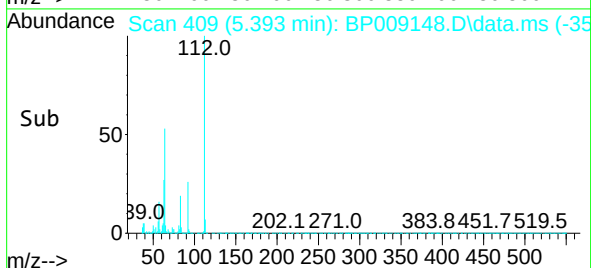
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

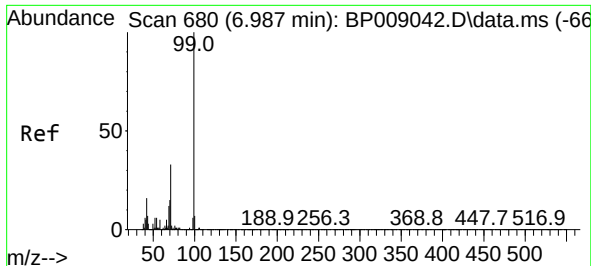


#5
2-Fluorophenol
Concen: 54.372 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BP009148.D
Acq: 14 Feb 2022 22:47



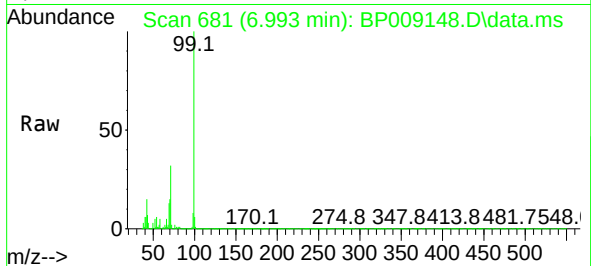
Tgt Ion:112 Resp: 892661
Ion Ratio Lower Upper
112 100
64 53.4 39.7 59.5
63 27.2 20.0 30.0





#7
Phenol-d6
Concen: 47.878 ng
RT: 6.993 min Scan# 681
Delta R.T. 0.006 min
Lab File: BP009148.D
Acq: 14 Feb 2022 22:47

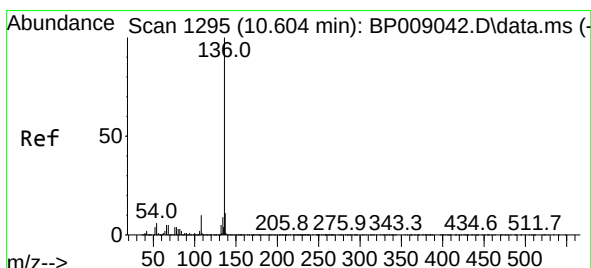
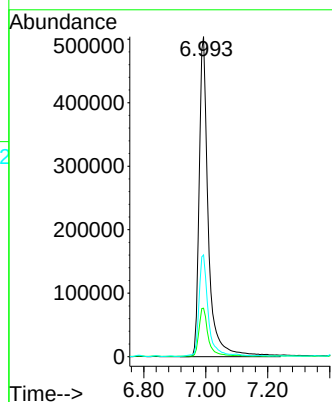
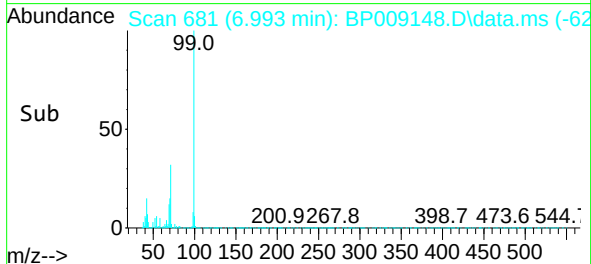
Instrument :
BNA_P
ClientSampleId :
HE-2-021122



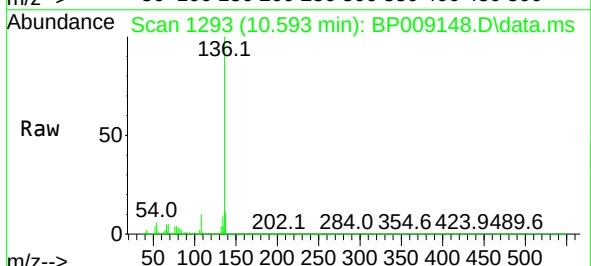
Tgt Ion: 99 Resp: 103573
Ion Ratio Lower Upper
99 100
42 15.1 10.8 16.2
71 31.8 23.8 35.6

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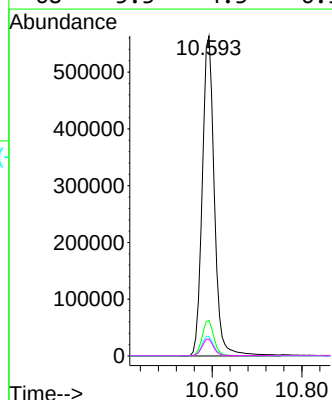
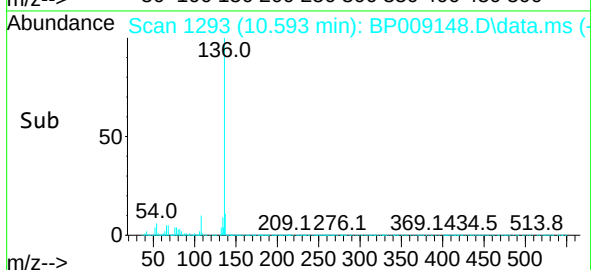
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

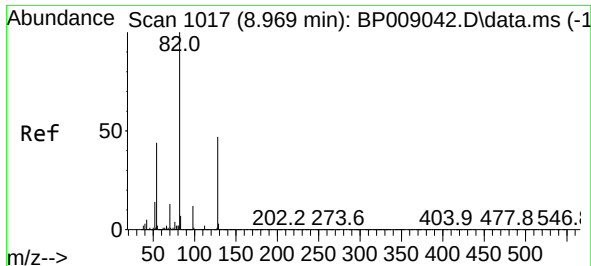


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.011 min
Lab File: BP009148.D
Acq: 14 Feb 2022 22:47



Tgt Ion:136 Resp: 1053345
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 6.1 4.9 7.3
68 5.3 4.3 6.5





#23
Nitrobenzene-d5
Concen: 33.982 ng
RT: 8.958 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BP009148.D
Acq: 14 Feb 2022 22:47

Instrument :

BNA_P

ClientSampleId :

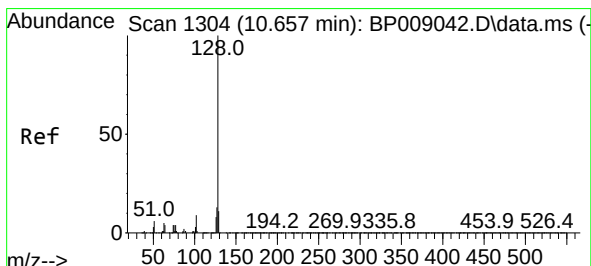
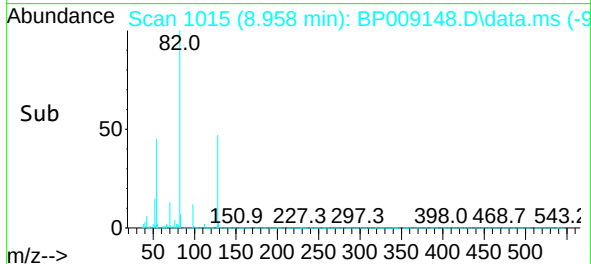
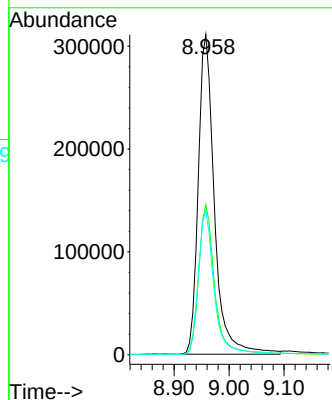
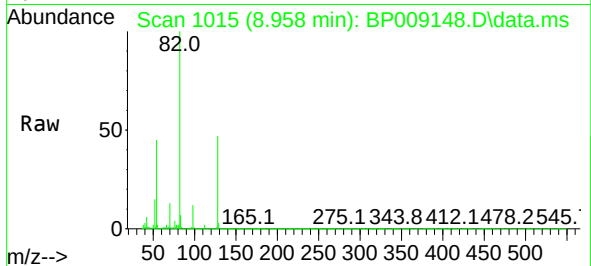
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Tgt Ion: 82 Resp: 634730
Ion Ratio Lower Upper
82 100
128 46.8 39.4 59.2
54 45.0 32.6 48.8

Manual Integrations

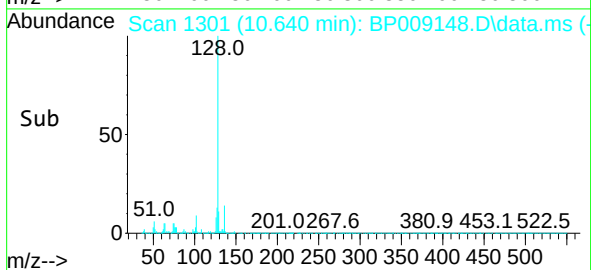
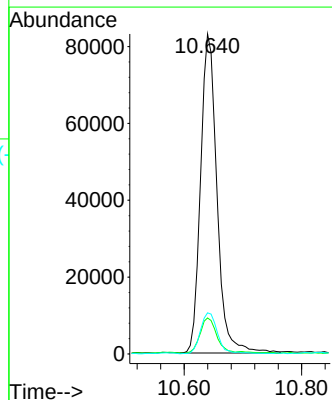
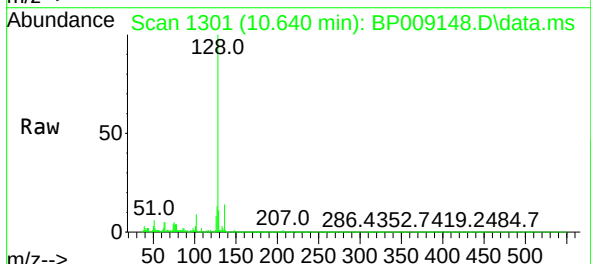
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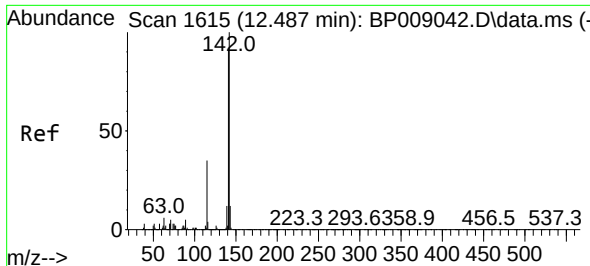
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022



#31
Naphthalene
Concen: 3.000 ng
RT: 10.640 min Scan# 1301
Delta R.T. -0.018 min
Lab File: BP009148.D
Acq: 14 Feb 2022 22:47

Tgt Ion:128 Resp: 161177
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 12.9 10.4 15.6





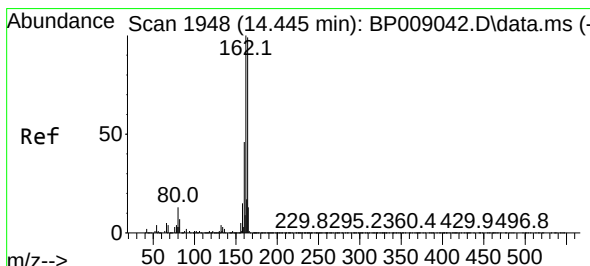
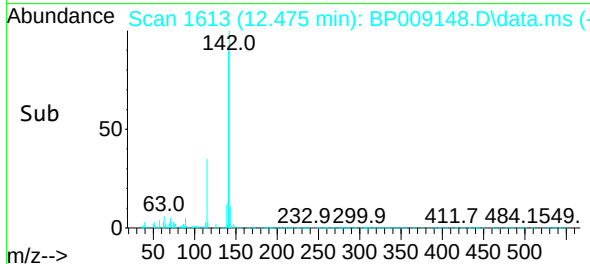
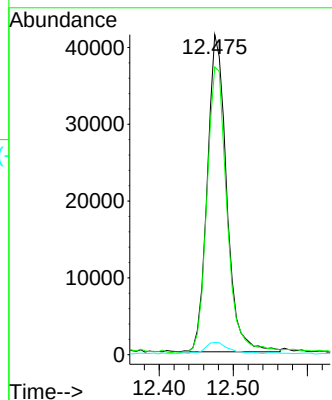
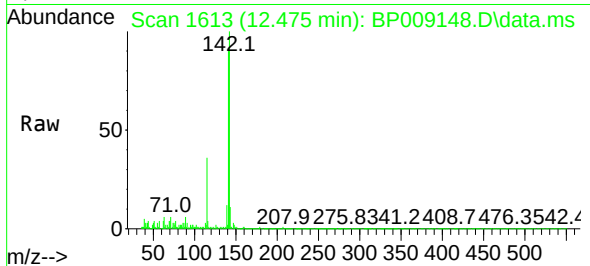
#38
1-Methylnaphthalene
Concen: 2.015 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BP009148.D
Acq: 14 Feb 2022 22:47

Instrument :
BNA_P
ClientSampleId :
HE-2-021122

Tgt Ion:142 Resp: 7486
Ion Ratio Lower Upper
142 100
141 89.9 73.2 109.8
116 3.8 2.7 4.1

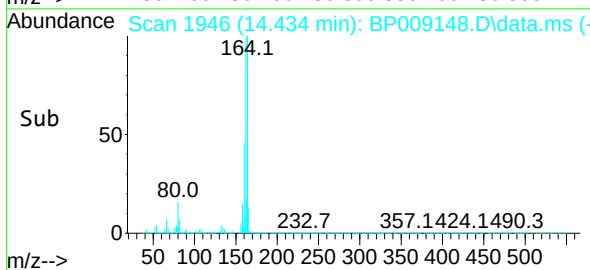
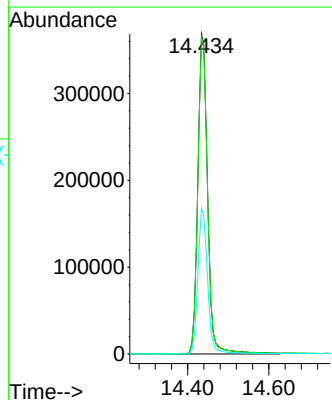
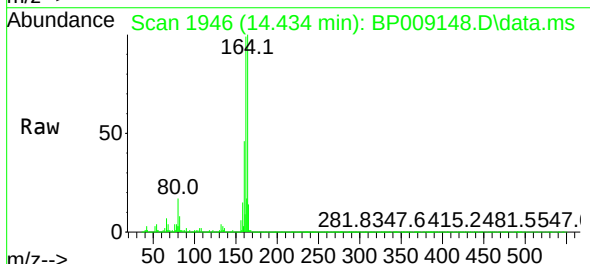
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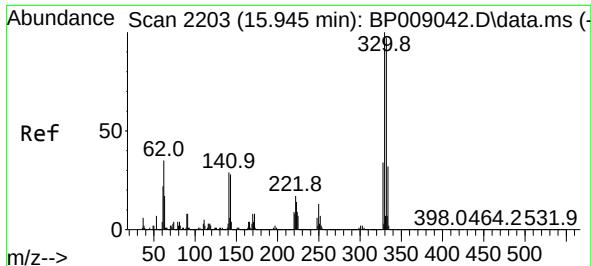
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.434 min Scan# 1946
Delta R.T. -0.011 min
Lab File: BP009148.D
Acq: 14 Feb 2022 22:47

Tgt Ion:164 Resp: 621664
Ion Ratio Lower Upper
164 100
162 99.0 79.9 119.9
160 45.6 35.5 53.3





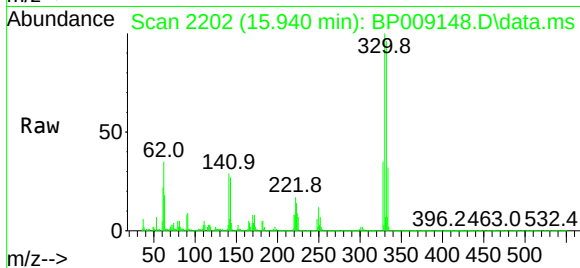
#42
2,4,6-Tribromophenol
Concen: 51.213 ng
RT: 15.940 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009148.D
Acq: 14 Feb 2022 22:47

Instrument :

BNA_P

ClientSampleId :

HE-2-021122

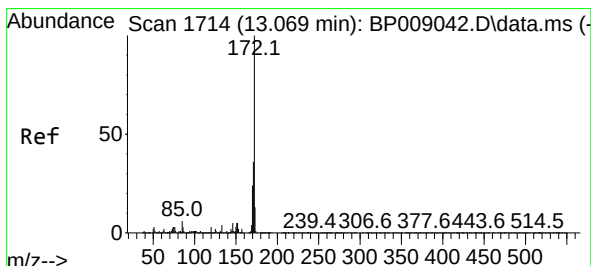
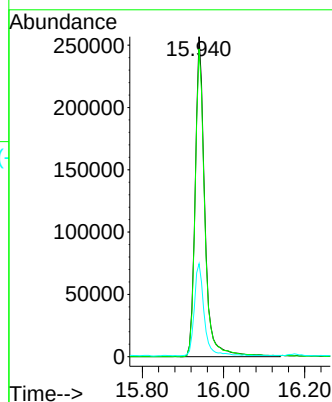
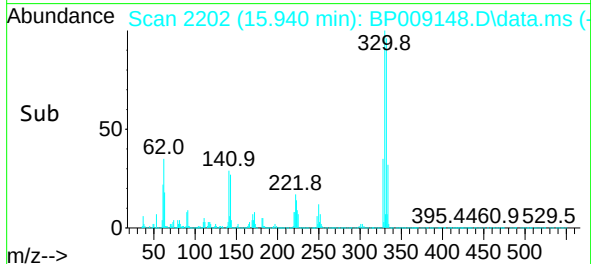


Tgt Ion:330 Resp: 425084
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.4
141 29.5 21.3 31.9

Manual Integrations

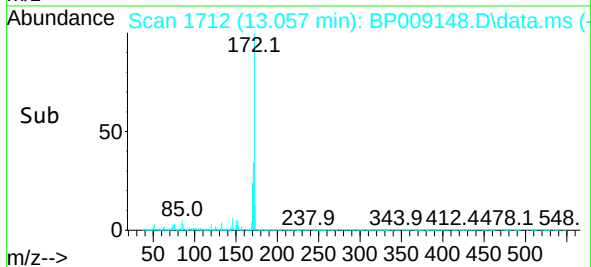
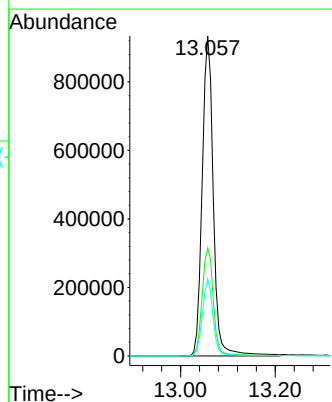
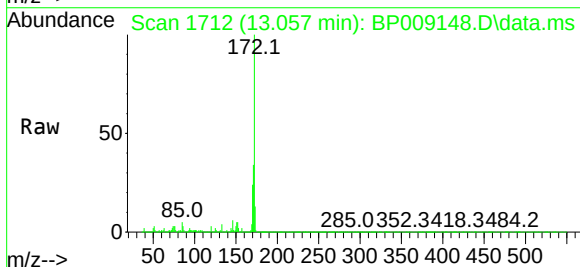
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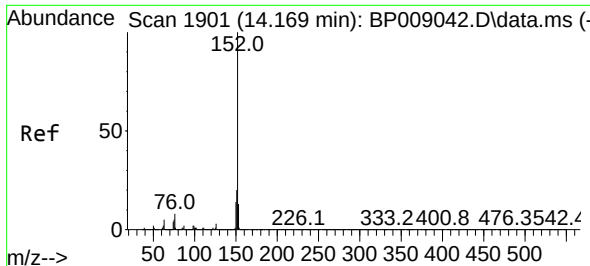
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022



#45
2-Fluorobiphenyl
Concen: 34.341 ng
RT: 13.057 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP009148.D
Acq: 14 Feb 2022 22:47

Tgt Ion:172 Resp: 1525020
Ion Ratio Lower Upper
172 100
171 33.8 29.3 43.9
170 24.1 19.5 29.3





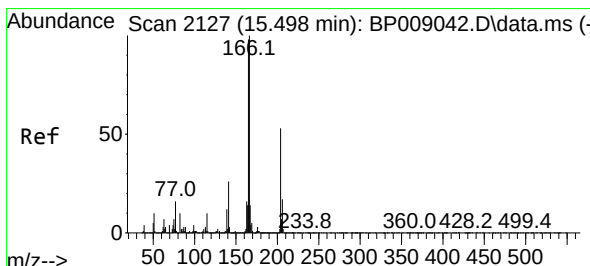
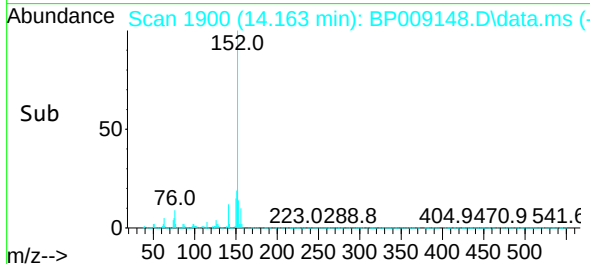
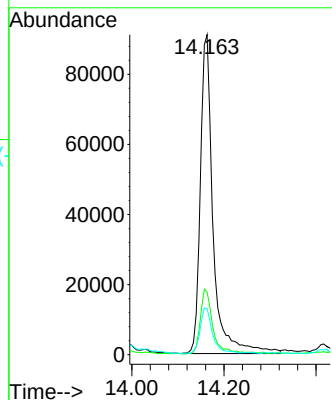
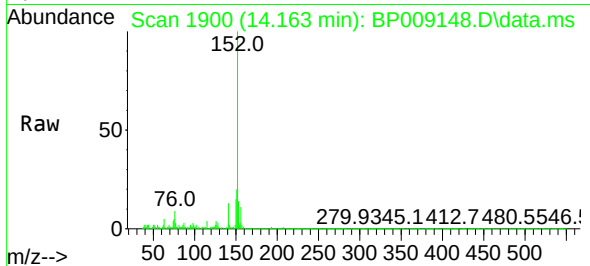
#49
Acenaphthylene
Concen: 3.205 ng
RT: 14.163 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BP009148.D
Acq: 14 Feb 2022 22:47

Instrument :
BNA_P
ClientSampleId :
HE-2-021122

Tgt Ion:152 Resp: 17538
Ion Ratio Lower Upper
152 100
151 19.5 16.1 24.1
153 14.4 10.6 16.0

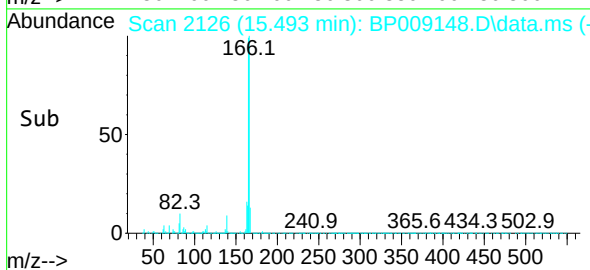
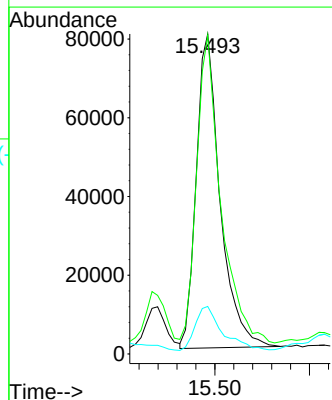
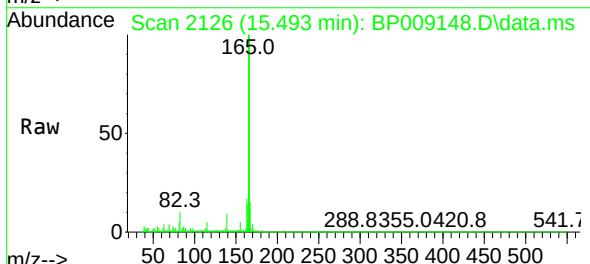
Manual Integrations
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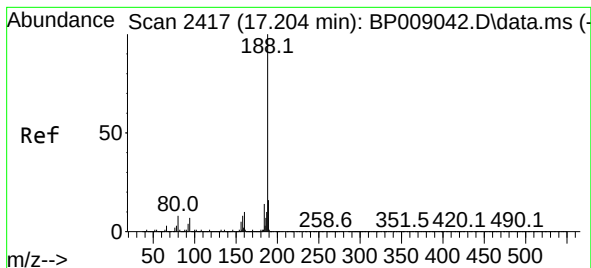
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022



#58
Fluorene
Concen: 3.234 ng
RT: 15.493 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP009148.D
Acq: 14 Feb 2022 22:47

Tgt Ion:166 Resp: 139372
Ion Ratio Lower Upper
166 100
165 99.6 77.2 115.8
167 14.8 11.2 16.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.192 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BP009148.D

Acq: 14 Feb 2022 22:47

Instrument :

BNA_P

ClientSampleId :

HE-2-021122

Tgt Ion:188 Resp: 126588

Ion Ratio Lower Upper

188 100

94 7.7 6.8 10.2

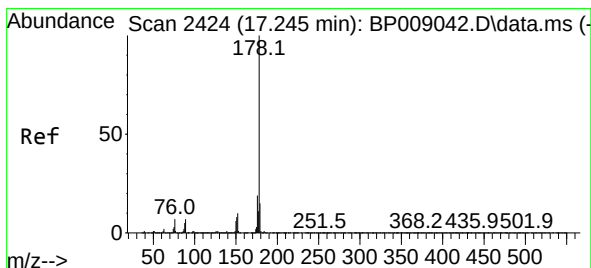
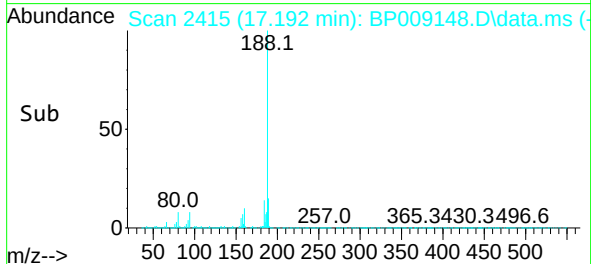
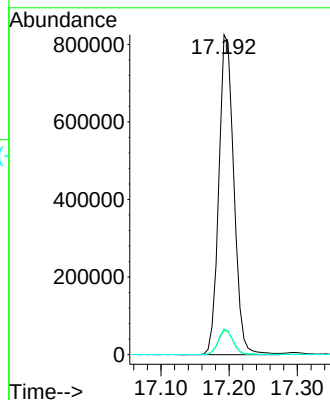
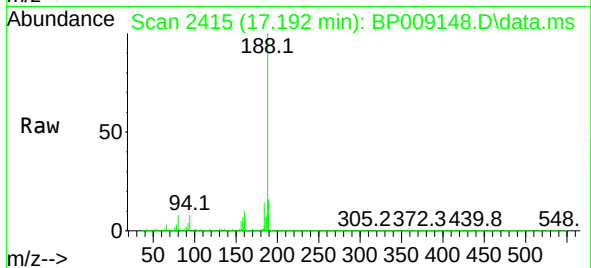
80 8.1 7.2 10.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/15/2022

Supervised By :Yogesh Patel 02/18/2022



#71

Phenanthrene

Concen: 15.748 ng

RT: 17.239 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP009148.D

Acq: 14 Feb 2022 22:47

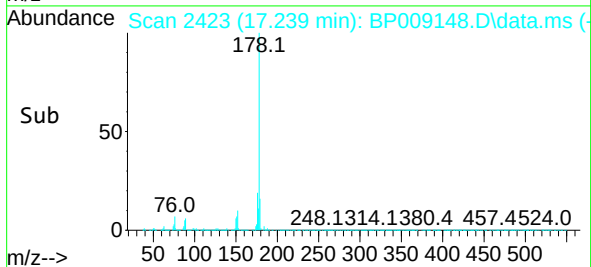
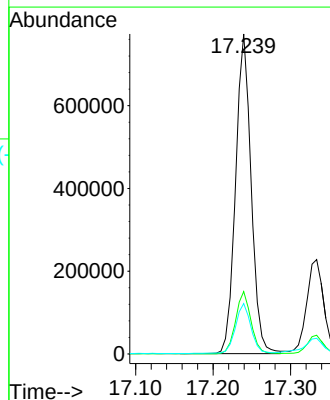
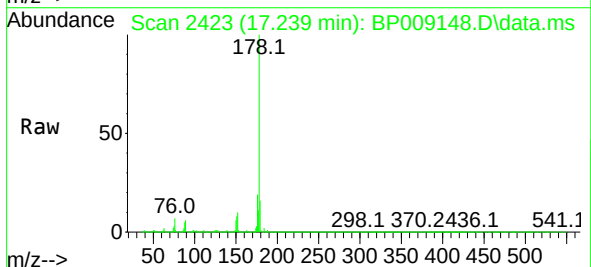
Tgt Ion:178 Resp: 1079450

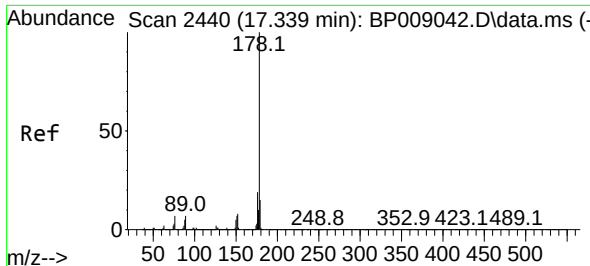
Ion Ratio Lower Upper

178 100

176 19.5 16.0 24.0

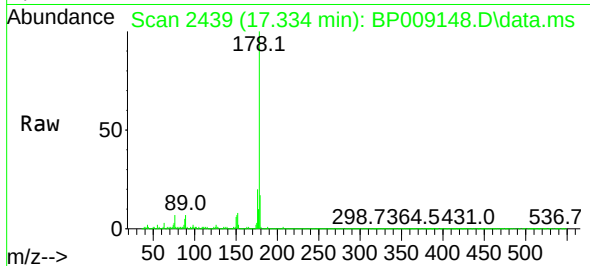
179 15.7 13.0 19.4





#72
 Anthracene
 Concen: 4.942 ng
 RT: 17.334 min Scan# 2440
 Delta R.T. -0.006 min
 Lab File: BP009148.D
 Acq: 14 Feb 2022 22:47

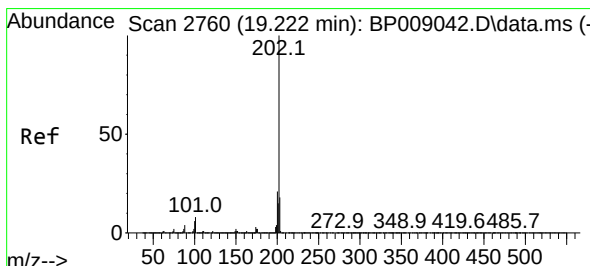
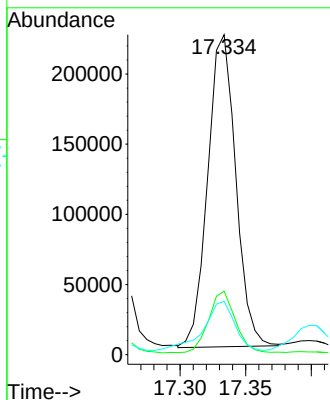
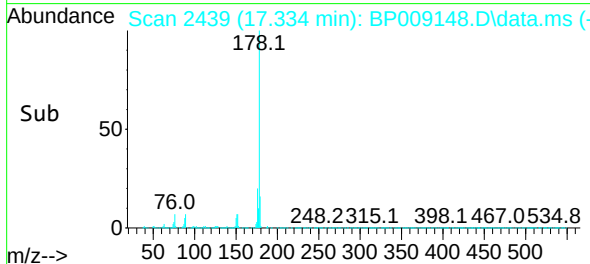
Instrument :
 BNA_P
 ClientSampleId :
 HE-2-021122



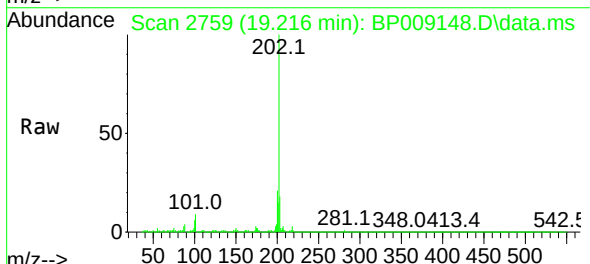
Tgt Ion:178 Resp: 331414
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.1 22.7
 179 16.7 12.8 19.2

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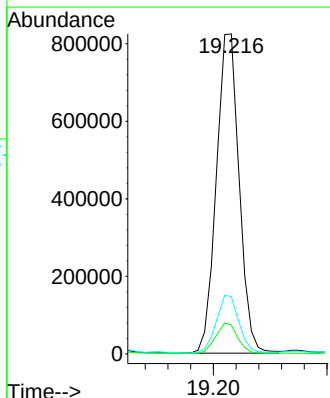
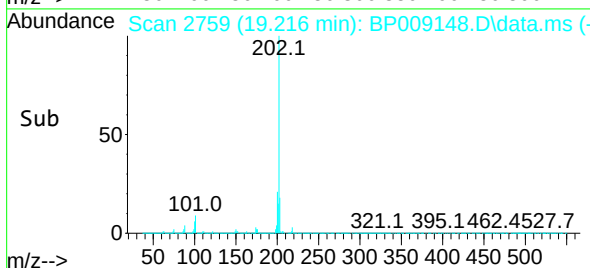
Reviewed By :Jagrut Upadhyay 02/15/2022
 Supervised By :Yogesh Patel 02/18/2022

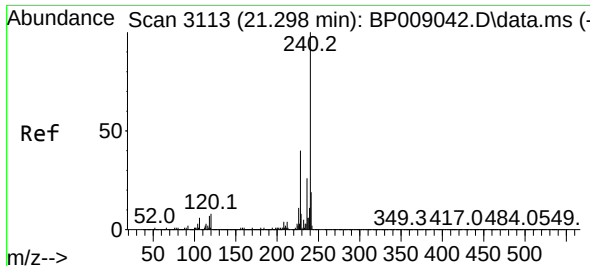


#75
 Fluoranthene
 Concen: 14.965 ng
 RT: 19.216 min Scan# 2759
 Delta R.T. -0.006 min
 Lab File: BP009148.D
 Acq: 14 Feb 2022 22:47



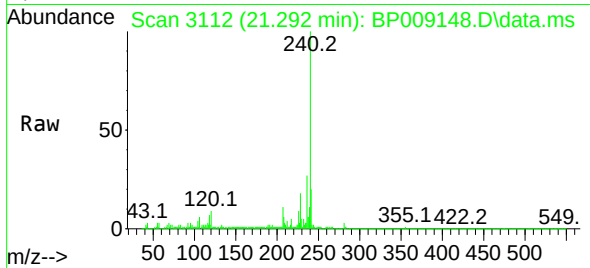
Tgt Ion:202 Resp: 1149651
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 30.7
 203 17.9 0.0 38.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BP009148.D
Acq: 14 Feb 2022 22:47

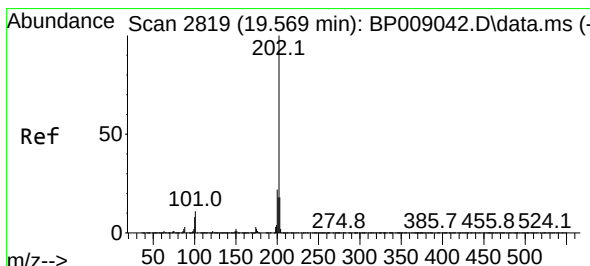
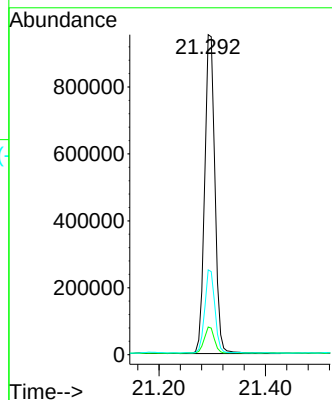
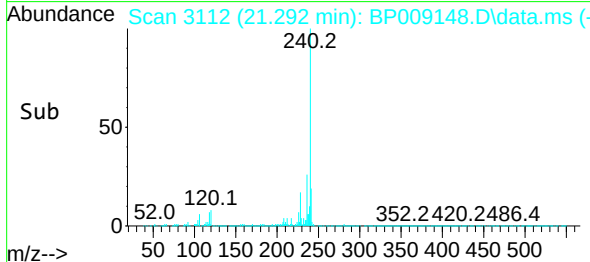
Instrument :
BNA_P
ClientSampleId :
HE-2-021122



Tgt Ion:240 Resp: 1272172
Ion Ratio Lower Upper
240 100
120 8.6 7.7 11.5
236 26.5 21.2 31.8

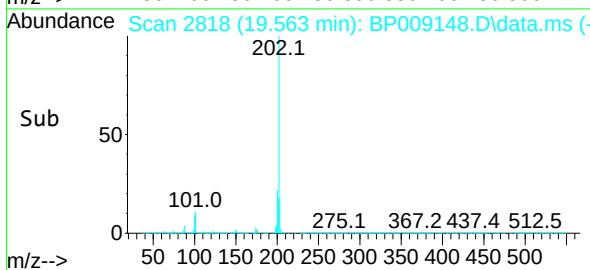
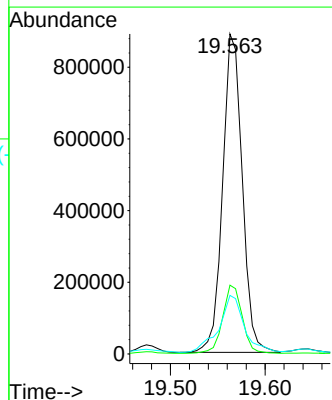
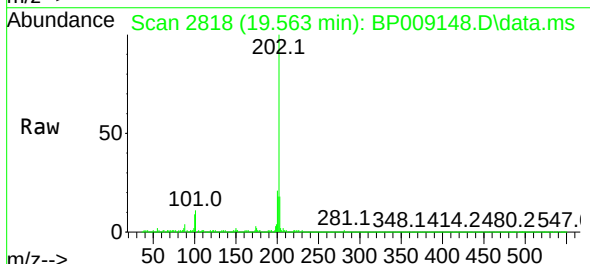
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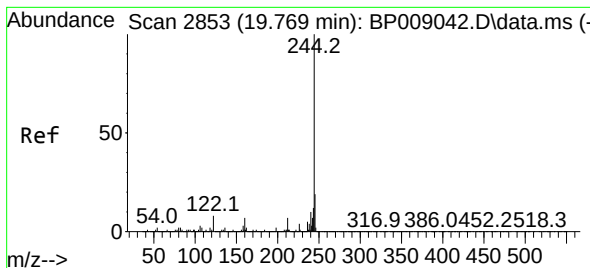
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022



#78
Pyrene
Concen: 14.167 ng
RT: 19.563 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BP009148.D
Acq: 14 Feb 2022 22:47

Tgt Ion:202 Resp: 1282072
Ion Ratio Lower Upper
202 100
200 21.5 18.0 27.0
203 18.3 15.0 22.6





#79

Terphenyl-d14

Concen: 29.835 ng

RT: 19.757 min Scan# 211057

Delta R.T. -0.012 min

Lab File: BP009148.D

Acq: 14 Feb 2022 22:47

Instrument :

BNA_P

ClientSampleId :

HE-2-021122

Tgt Ion:244 Resp: 211057

Ion Ratio Lower Upper

244 100

212 6.9 6.5 9.7

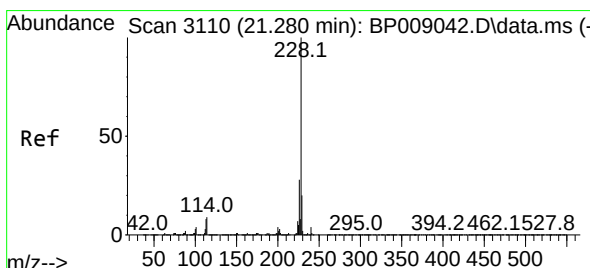
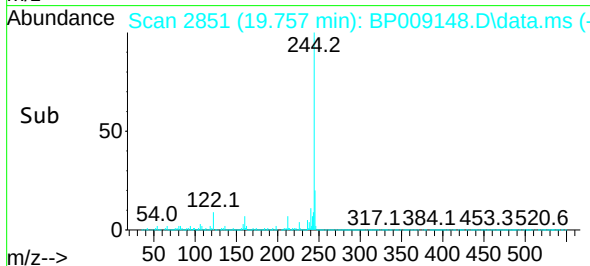
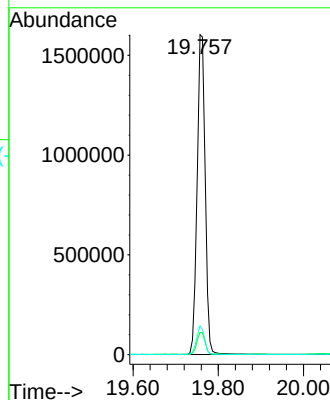
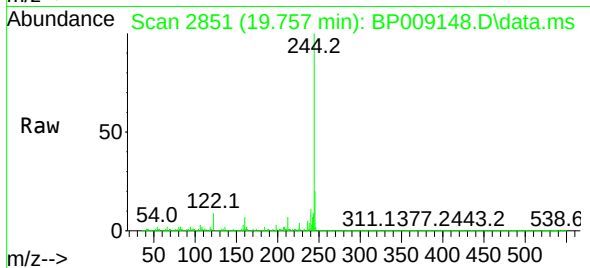
122 9.0 9.2 13.8

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Reviewed By :Jagrut Upadhyay 02/15/2022

Supervised By :Yogesh Patel 02/18/2022



#81

Benzo(a)anthracene

Concen: 6.973 ng

RT: 21.280 min Scan# 3110

Delta R.T. 0.000 min

Lab File: BP009148.D

Acq: 14 Feb 2022 22:47

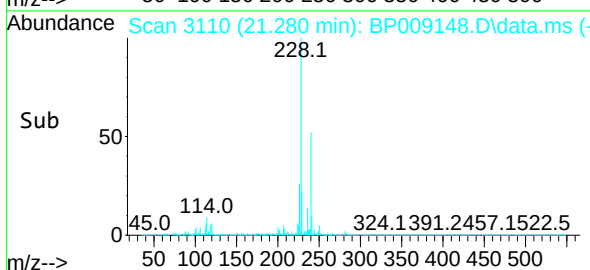
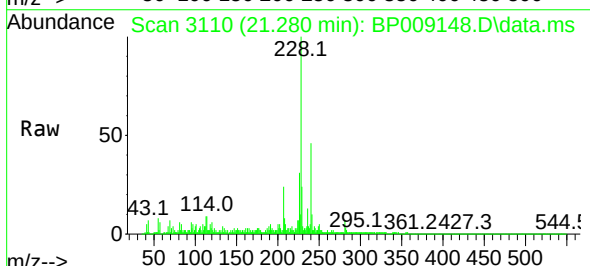
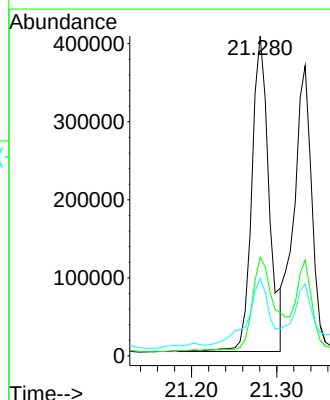
Tgt Ion:228 Resp: 571697

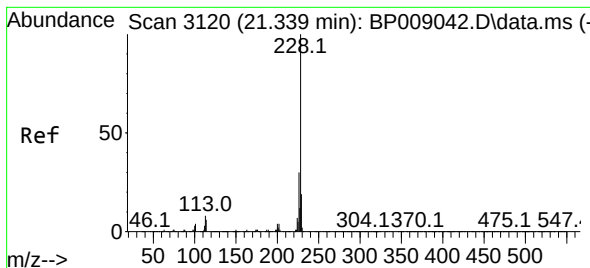
Ion Ratio Lower Upper

228 100

226 30.8 23.3 34.9

229 24.2 17.0 25.6





#83

Chrysene

Concen: 6.718 ng

RT: 21.333 min Scan# 3120

Delta R.T. -0.006 min

Lab File: BP009148.D

Acq: 14 Feb 2022 22:47

Instrument :

BNA_P

ClientSampleId :

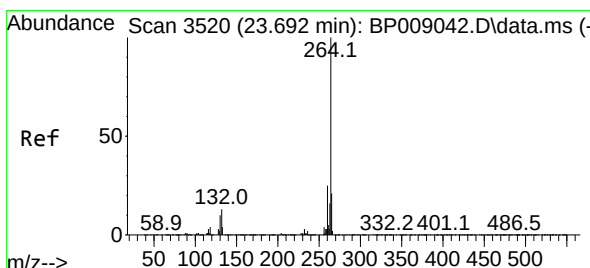
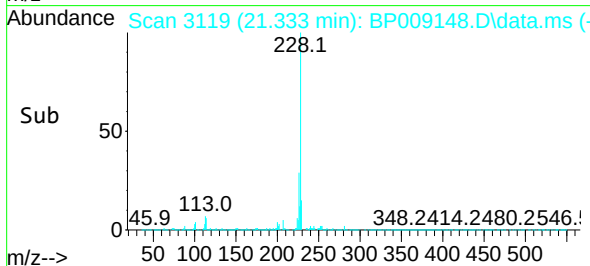
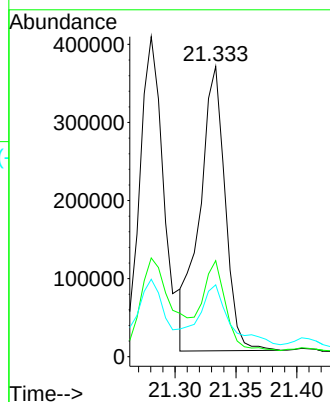
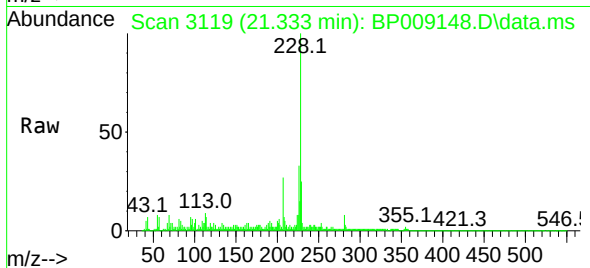
HE-2-021122

Tgt Ion:228 Resp: 53095
 Ion Ratio Lower Upper
 228 100
 226 33.1 26.0 39.0
 229 24.8 16.9 25.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/15/2022
 Supervised By :Yogesh Patel 02/18/2022



#86

Perylene-d12

Concen: 20.000 ng

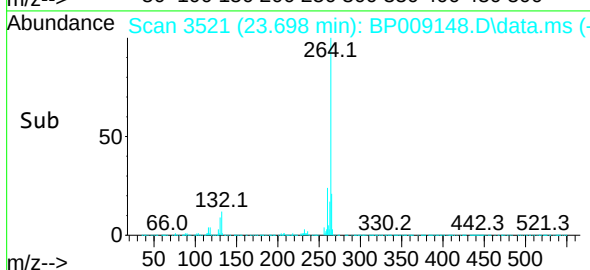
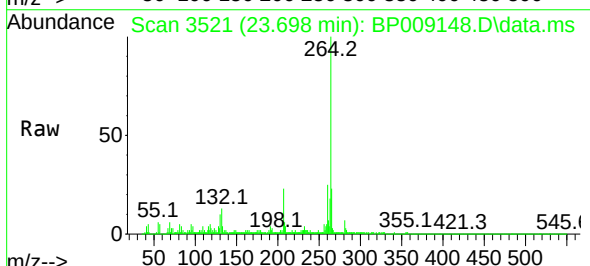
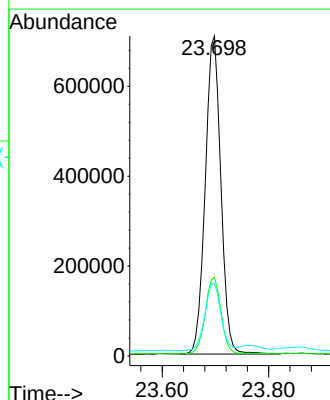
RT: 23.698 min Scan# 3521

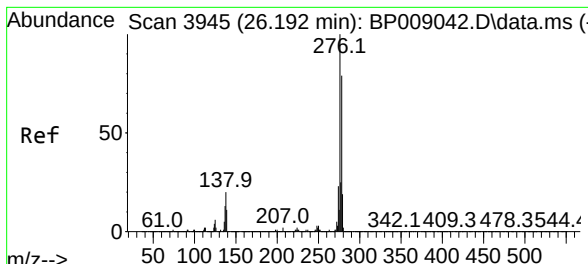
Delta R.T. 0.006 min

Lab File: BP009148.D

Acq: 14 Feb 2022 22:47

Tgt Ion:264 Resp: 1436328
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.1 28.7
 265 22.6 17.1 25.7





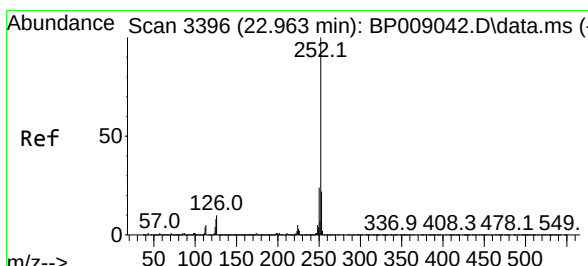
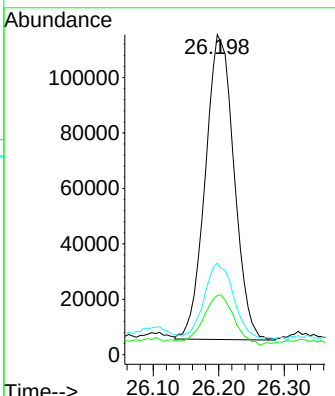
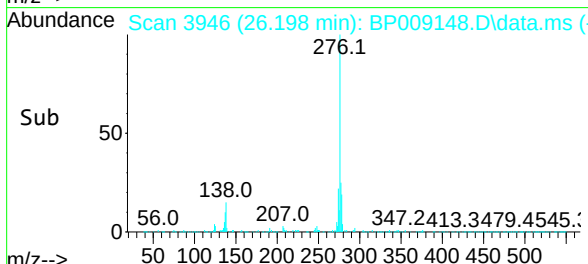
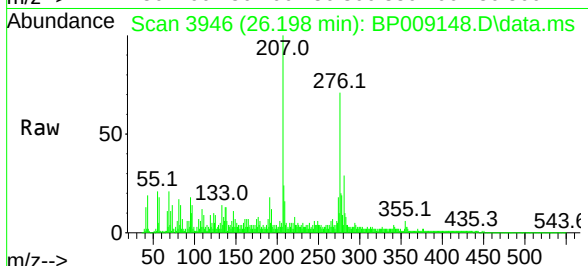
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.135 ng
 RT: 26.198 min Scan# 3946
 Delta R.T. 0.006 min
 Lab File: BP009148.D
 Acq: 14 Feb 2022 22:47

Instrument : BNA_P
 ClientSampleId : HE-2-021122

Tgt Ion:	276	Resp:	334550
Ion Ratio	Lower	Upper	
276	100		
138	17.5	17.8	26.6
277	24.5	20.4	30.6

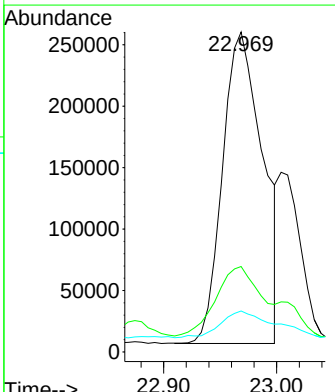
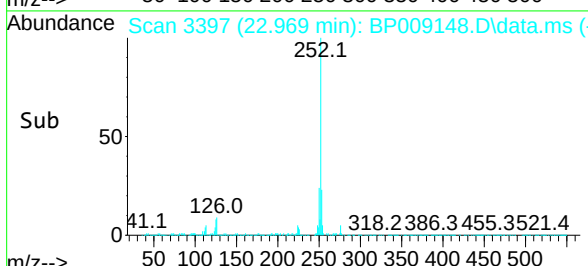
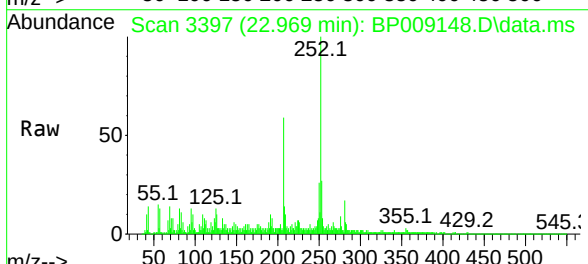
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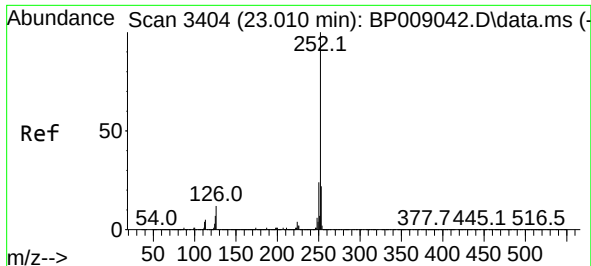
Reviewed By :Jagrut Upadhyay 02/15/2022
 Supervised By :Yogesh Patel 02/18/2022



#88
 Benzo(b)fluoranthene
 Concen: 7.092 ng m
 RT: 22.969 min Scan# 3397
 Delta R.T. 0.006 min
 Lab File: BP009148.D
 Acq: 14 Feb 2022 22:47

Tgt Ion:	252	Resp:	627083
Ion Ratio	Lower	Upper	
252	100		
253	26.7	18.0	27.0
125	12.8	6.9	10.3





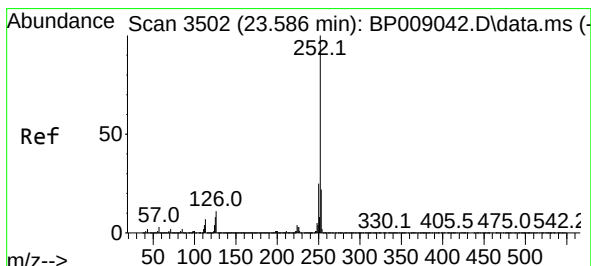
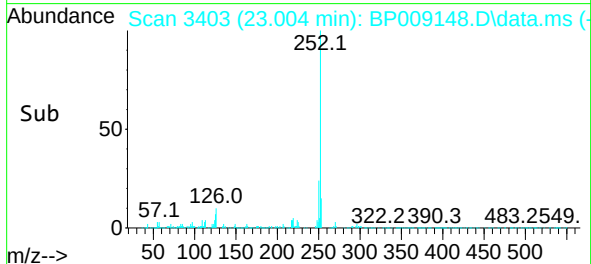
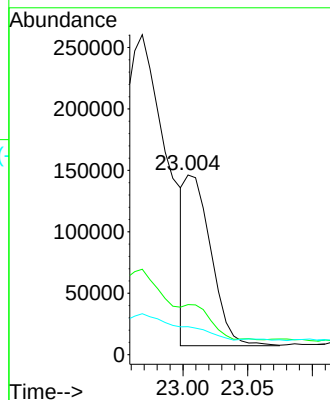
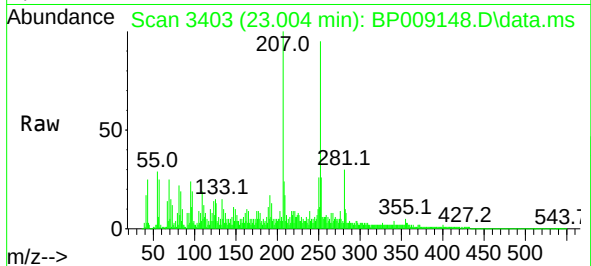
#89
Benzo(k)fluoranthene
Concen: 2.191 ng m
RT: 23.004 min Scan# 3404
Delta R.T. -0.006 min
Lab File: BP009148.D
Acq: 14 Feb 2022 22:47

Instrument :
BNA_P
ClientSampleId :
HE-2-021122

Tgt Ion:252 Resp: 193292
Ion Ratio Lower Upper
252 100
253 27.8 18.2 27.2
125 15.6 7.3 10.9

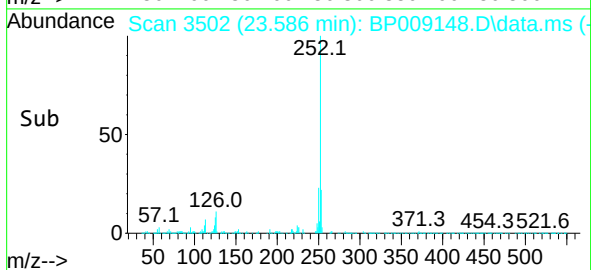
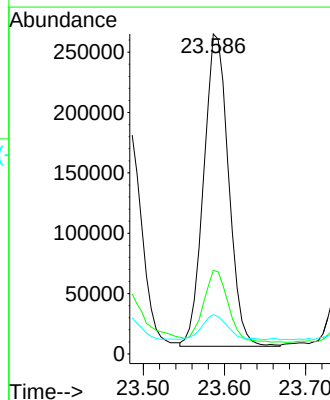
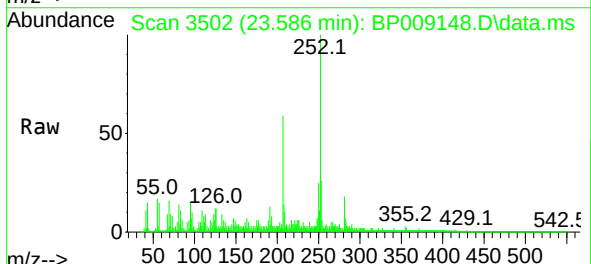
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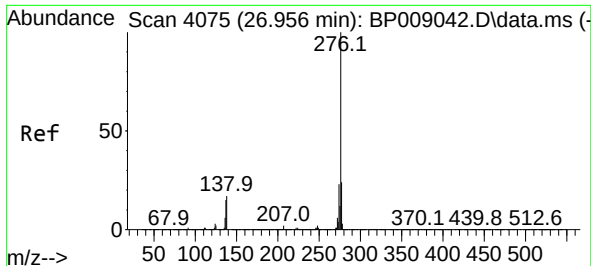
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022



#90
Benzo(a)pyrene
Concen: 7.461 ng
RT: 23.586 min Scan# 3502
Delta R.T. 0.000 min
Lab File: BP009148.D
Acq: 14 Feb 2022 22:47

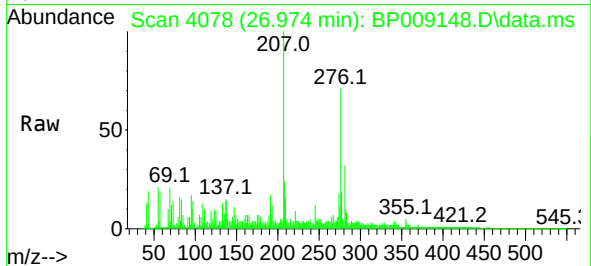
Tgt Ion:252 Resp: 550035
Ion Ratio Lower Upper
252 100
253 26.1 17.8 26.8
125 12.3 7.8 11.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.325 ng
 RT: 26.974 min Scan# 4075
 Delta R.T. 0.018 min
 Lab File: BP009148.D
 Acq: 14 Feb 2022 22:47

Instrument :
 BNA_P
 ClientSampleId :
 HE-2-021122



Tgt Ion: 276 Resp: 377635
 Ion Ratio Lower Upper
 276 100
 277 26.8 19.2 28.8
 138 19.7 15.0 22.4

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Reviewed By :Jagrut Upadhyay 02/15/2022
 Supervised By :Yogesh Patel 02/18/2022

