

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021422\
 Data File : BP009135.D
 Acq On : 14 Feb 2022 15:33
 Operator : CG/JU
 Sample : N1505-01DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-02-021022DL

Manual Integrations
 APPROVED

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

Quant Time: Feb 14 16:04:20 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	230659	20.000	ng	-0.01
21) Naphthalene-d8	10.592	136	796557	20.000	ng	-0.01
39) Acenaphthene-d10	14.433	164	458350	20.000	ng	-0.01
64) Phenanthrene-d10	17.198	188	865705	20.000	ng	0.00
76) Chrysene-d12	21.292	240	1034910	20.000	ng	0.00
86) Perylene-d12	23.692	264	1195530	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	129667	10.028	ng	0.00
7) Phenol-d6	7.004	99	143201	8.405	ng	0.02
23) Nitrobenzene-d5	8.963	82	89581	6.342	ng	0.00
42) 2,4,6-Tribromophenol	15.939	330	53852	8.800	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	223762	6.834	ng	-0.01
79) Terphenyl-d14	19.763	244	300446	5.221	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.640	128	105998	2.609	ng	100
37) 2-Methylnaphthalene	12.257	142	74940	2.607	ng	98
38) 1-Methylnaphthalene	12.475	142	89399	3.182	ng	100
49) Acenaphthylene	14.157	152	103039	2.554	ng	98
52) Acenaphthene	14.504	154	101782	4.146	ng	99
55) Dibenzofuran	14.839	168	94555	2.286	ng	# 92
58) Fluorene	15.492	166	189084	5.951	ng	98
71) Phenanthrene	17.239	178	1475581	31.479	ng	99
72) Anthracene	17.333	178	441085	9.618	ng	100
75) Fluoranthene	19.216	202	2340974	44.558	ng	96
78) Pyrene	19.568	202	2156880	29.298	ng	98
81) Benzo(a)anthracene	21.280	228	1210847	18.156	ng	98
83) Chrysene	21.333	228	949135	14.763	ng	97
87) Indeno(1,2,3-cd)pyrene	26.192	276	698361	7.862	ng	# 94
88) Benzo(b)fluoranthene	22.968	252	1294222	17.585	ng	99
89) Benzo(k)fluoranthene	23.004	252	486215m	6.622	ng	
90) Benzo(a)pyrene	23.586	252	1082712	17.645	ng	98
91) Dibenzo(a,h)anthracene	26.192	278	188323	2.580	ng	# 89
92) Benzo(g,h,i)perylene	26.956	276	675097	9.288	ng	99

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

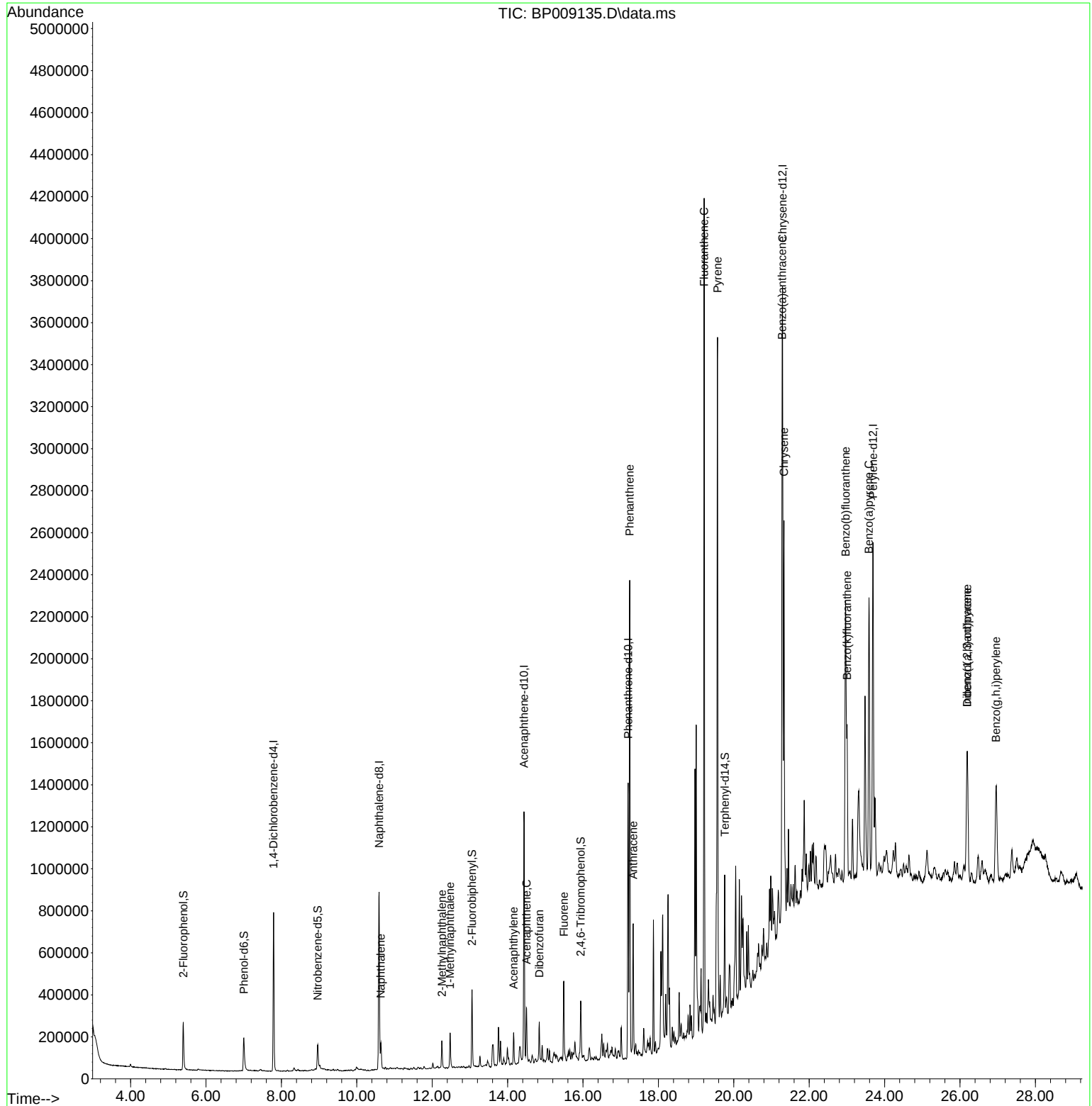
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021422\
Data File : BP009135.D
Acq On : 14 Feb 2022 15:33
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Misc :
ALS Vial : 6 Sample Multiplier: 1

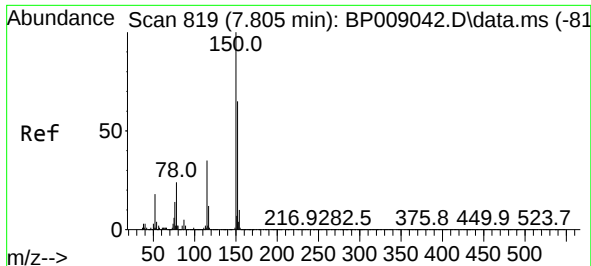
Instrument :
BNA_P
ClientSampleId :
SU-02-021022DL

Quant Time: Feb 14 16:04:20 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

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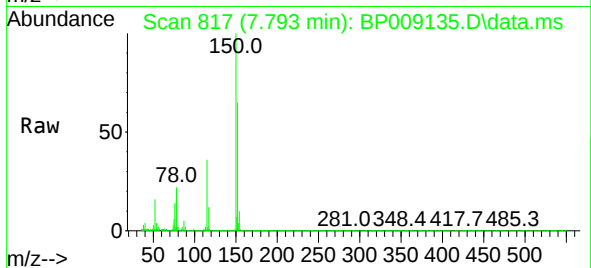
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

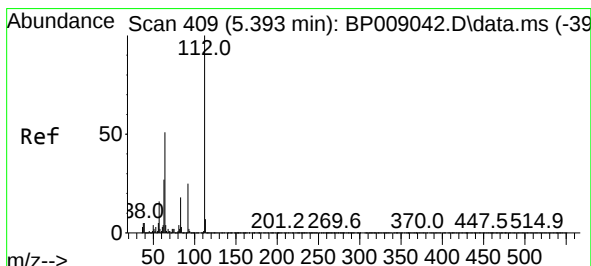
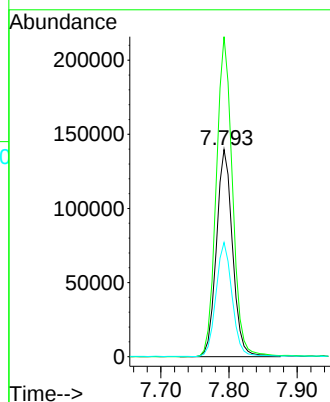
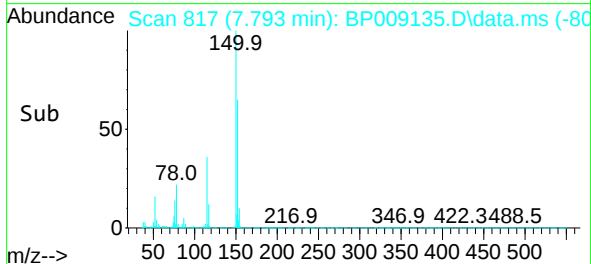
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BNA_P
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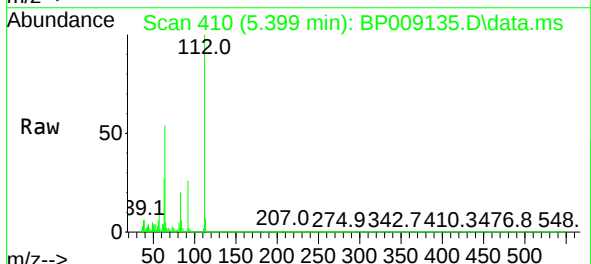
Tgt Ion:152 Resp: 230659
Ion Ratio Lower Upper
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150 154.4 127.0 190.6
115 55.1 43.7 65.5

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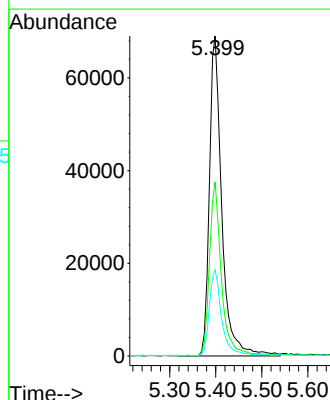
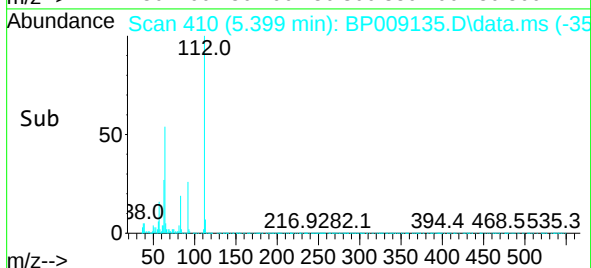
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

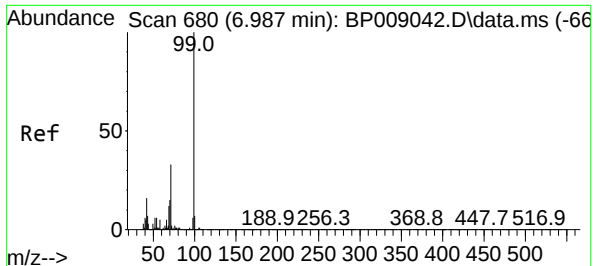


#5
2-Fluorophenol
Concen: 10.028 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33



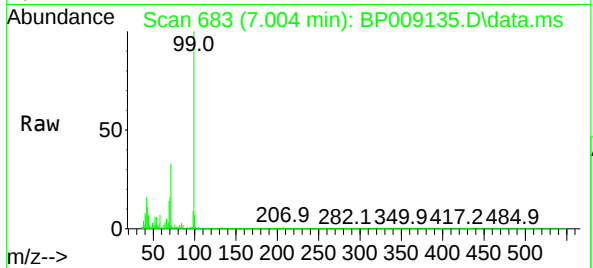
Tgt Ion:112 Resp: 129667
Ion Ratio Lower Upper
112 100
64 54.4 39.7 59.5
63 26.9 20.0 30.0





#7
Phenol-d6
Concen: 8.405 ng
RT: 7.004 min Scan# 61
Delta R.T. 0.017 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

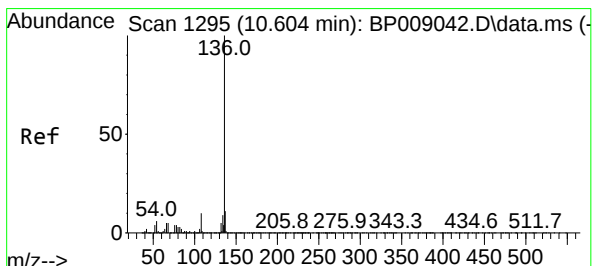
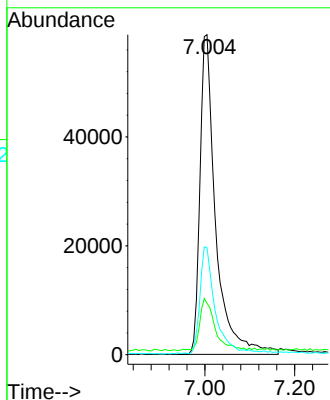
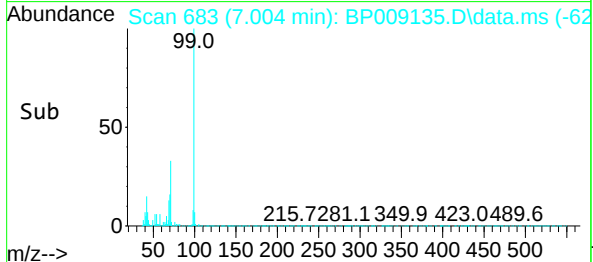
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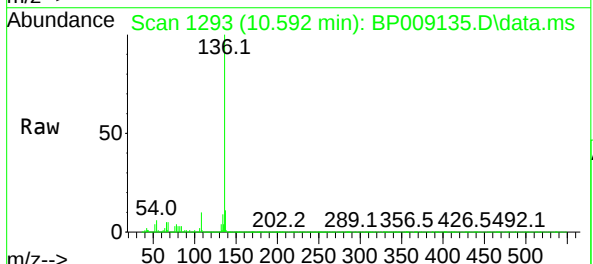
Tgt Ion: 99 Resp: 14320
Ion Ratio Lower Upper
99 100
42 16.0 10.8 16.2
71 33.4 23.8 35.6

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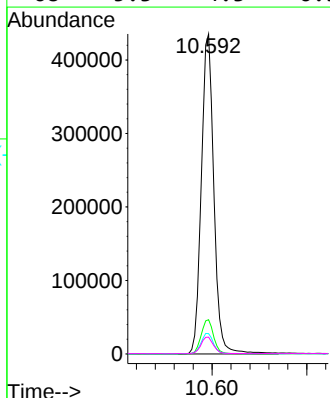
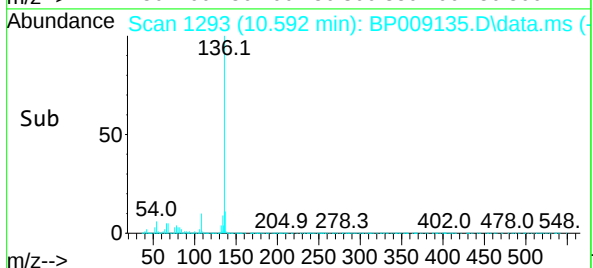
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

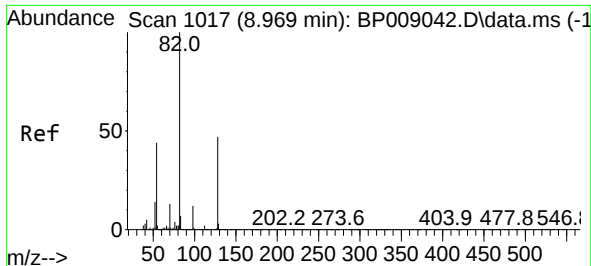


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.592 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33



Tgt Ion:136 Resp: 796557
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 6.3 4.9 7.3
68 5.3 4.3 6.5





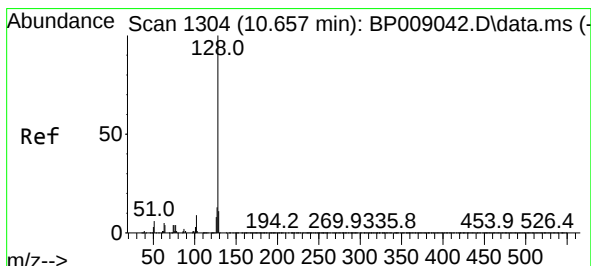
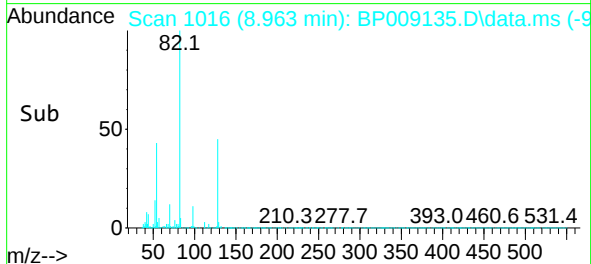
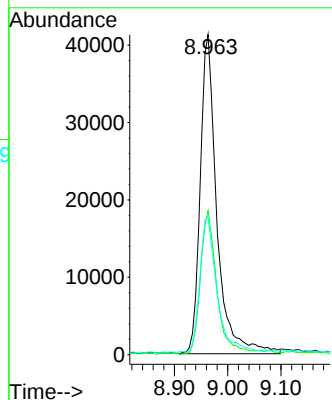
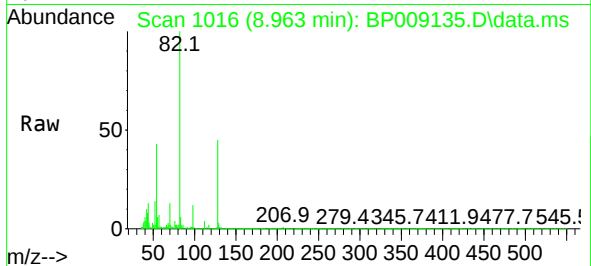
#23
Nitrobenzene-d5
Concen: 6.342 ng
RT: 8.963 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

Instrument :
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ClientSampleId :
SU-02-021022DL

Tgt Ion: 82 Resp: 8958
Ion Ratio Lower Upper
82 100
128 45.0 39.4 59.2
54 43.1 32.6 48.8

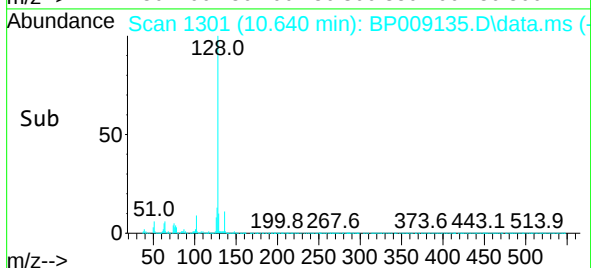
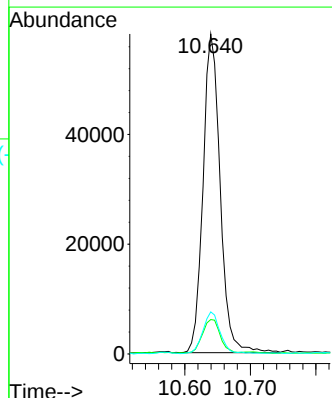
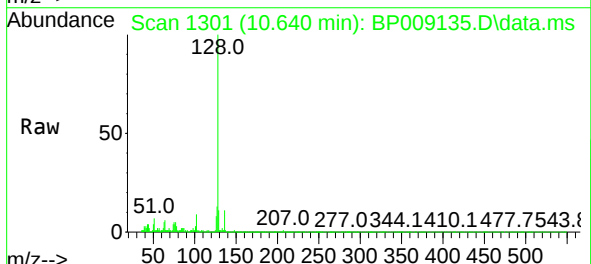
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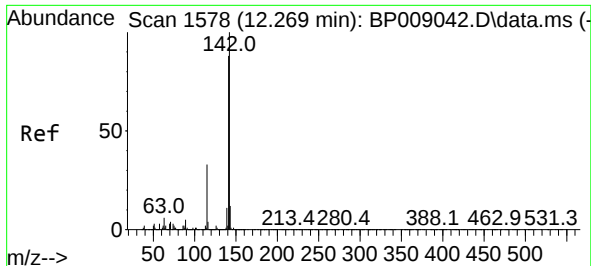
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022



#31
Naphthalene
Concen: 2.609 ng
RT: 10.640 min Scan# 1301
Delta R.T. -0.018 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

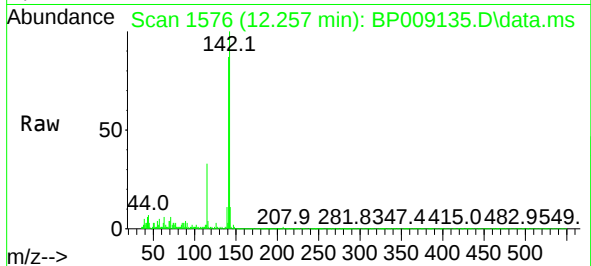
Tgt Ion:128 Resp: 105998
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 13.1 10.4 15.6





#37
2-Methylnaphthalene
Concen: 2.607 ng
RT: 12.257 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

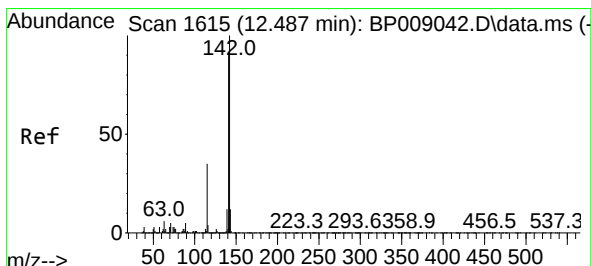
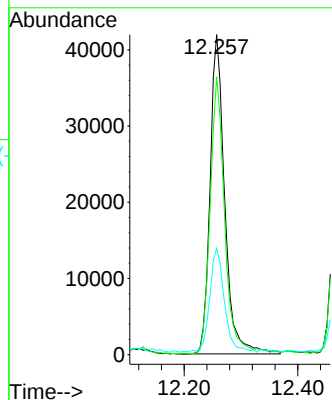
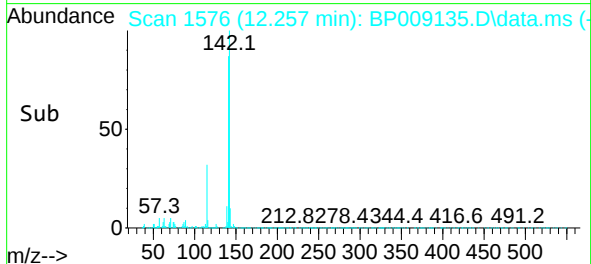
Instrument :
BNA_P
ClientSampleId :
SU-02-021022DL



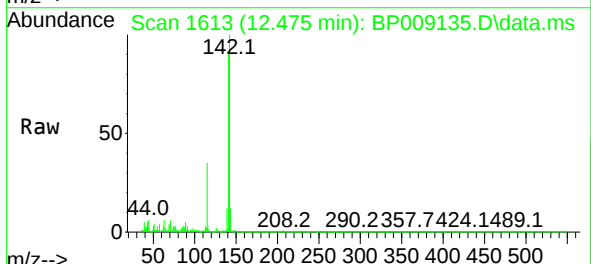
Tgt Ion:142 Resp: 74940
Ion Ratio Lower Upper
142 100
141 86.9 70.5 105.7
115 33.3 24.6 36.8

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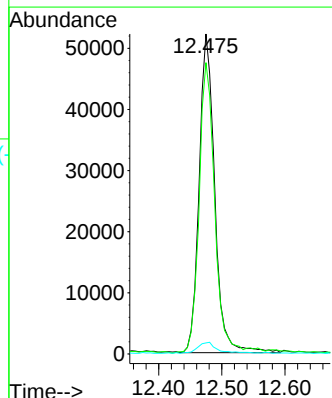
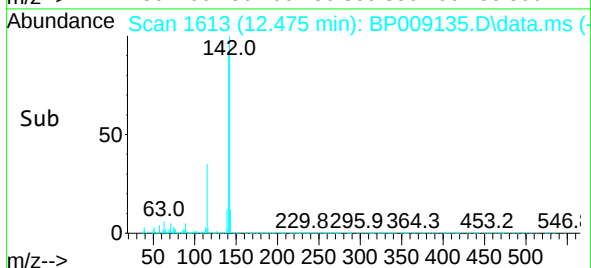
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

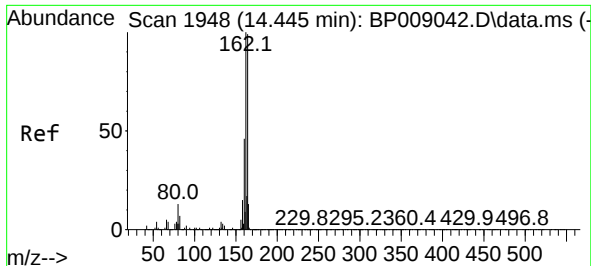


#38
1-Methylnaphthalene
Concen: 3.182 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33



Tgt Ion:142 Resp: 89399
Ion Ratio Lower Upper
142 100
141 91.1 73.2 109.8
116 3.5 2.7 4.1





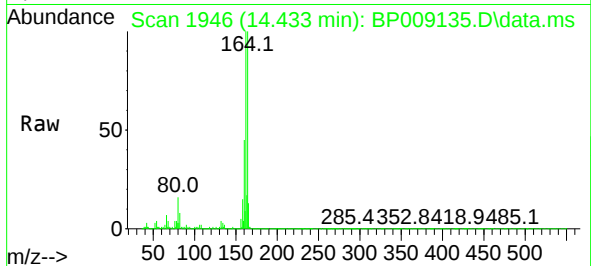
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.433 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

Instrument :

BNA_P

ClientSampleId :

SU-02-021022DL

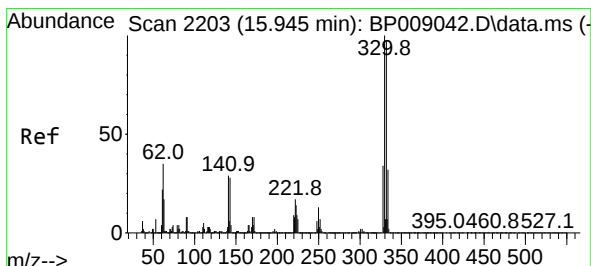
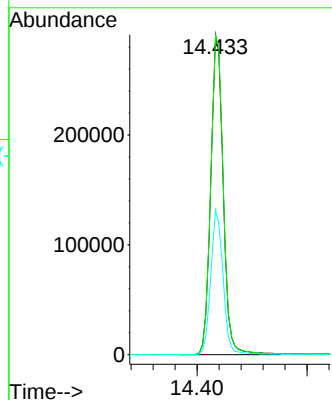
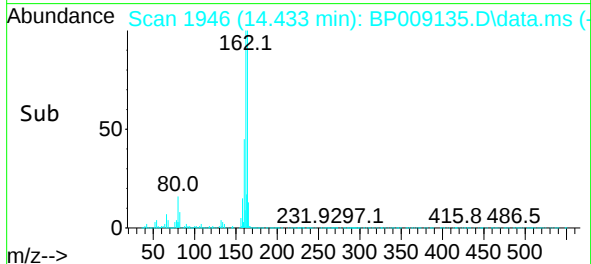


Tgt Ion:164 Resp: 458350
Ion Ratio Lower Upper
164 100
162 99.7 79.9 119.9
160 45.2 35.5 53.3

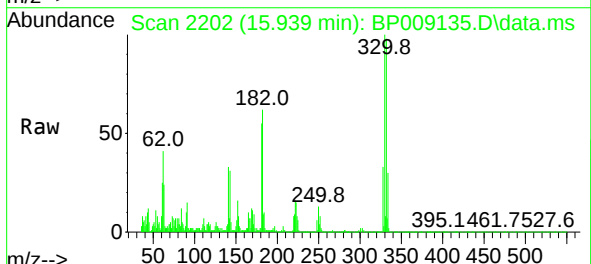
Manual Integrations

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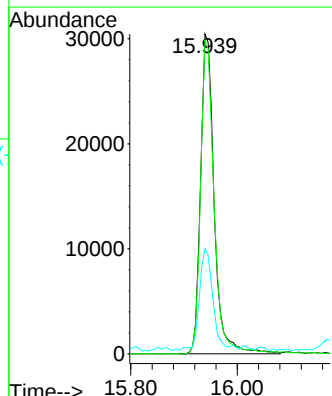
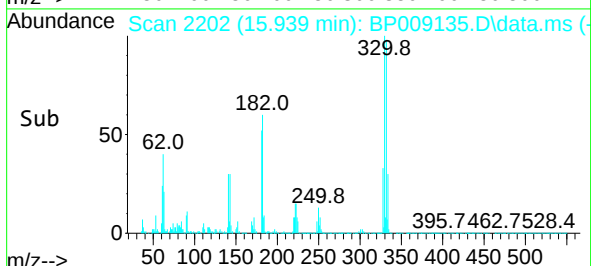
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

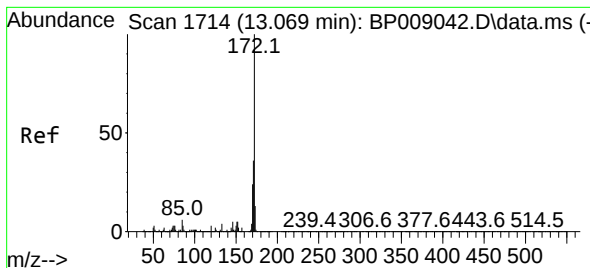


#42
2,4,6-Tribromophenol
Concen: 8.800 ng
RT: 15.939 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33



Tgt Ion:330 Resp: 53852
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.4
141 31.7 21.3 31.9





#45

2-Fluorobiphenyl

Concen: 6.834 ng

RT: 13.057 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP009135.D

Acq: 14 Feb 2022 15:33

Instrument :

BNA_P

ClientSampleId :

SU-02-021022DL

Tgt Ion:172 Resp: 22376

Ion Ratio Lower Upper

172 100

171 35.1 29.3 43.9

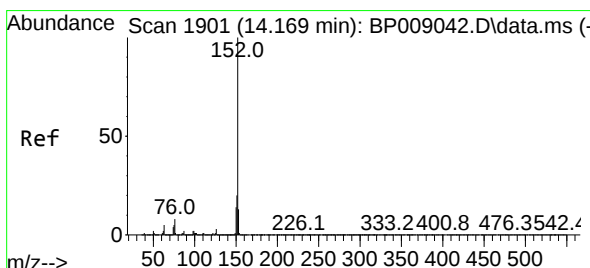
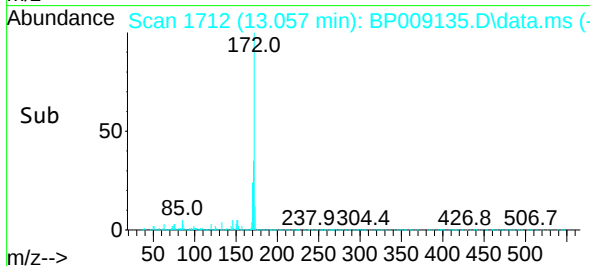
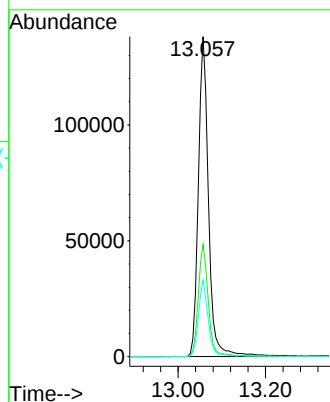
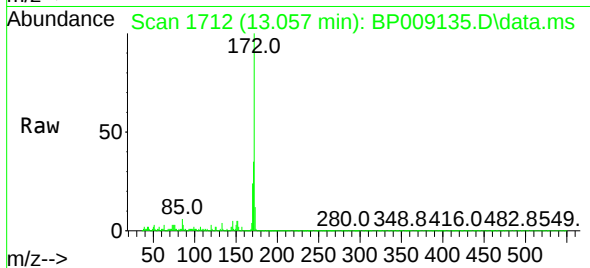
170 23.9 19.5 29.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/15/2022

Supervised By :Yogesh Patel 02/18/2022



#49

Acenaphthylene

Concen: 2.554 ng

RT: 14.157 min Scan# 1899

Delta R.T. -0.012 min

Lab File: BP009135.D

Acq: 14 Feb 2022 15:33

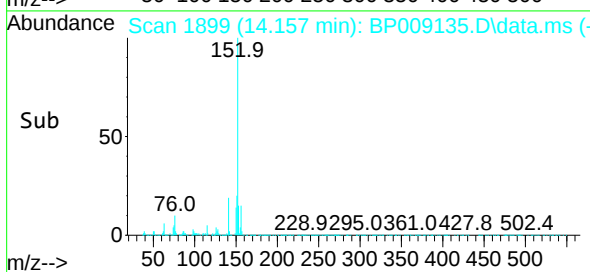
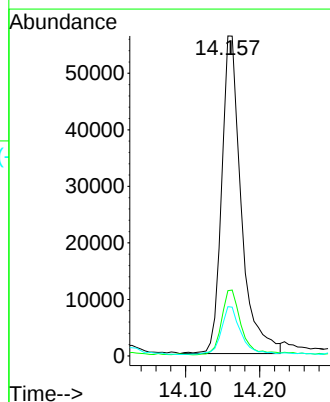
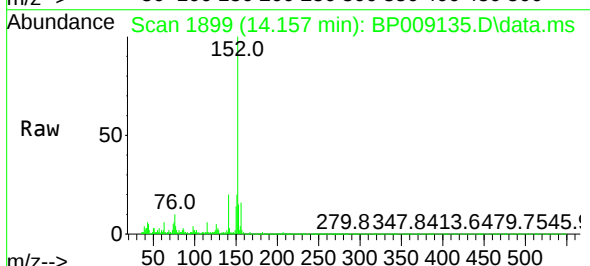
Tgt Ion:152 Resp: 103039

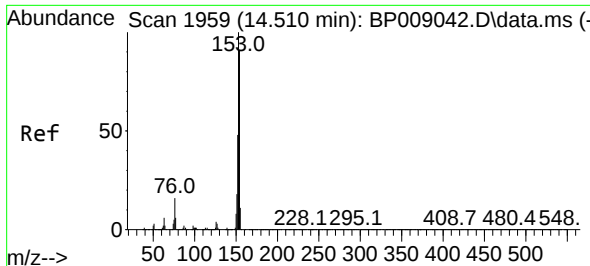
Ion Ratio Lower Upper

152 100

151 20.4 16.1 24.1

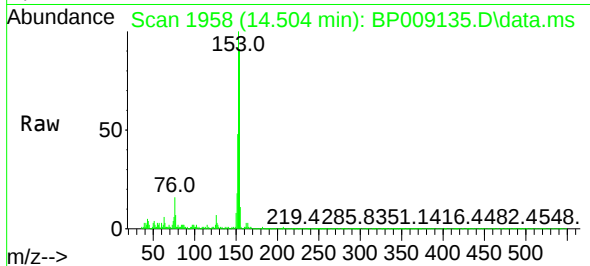
153 15.4 10.6 16.0





#52
Acenaphthene
Concen: 4.146 ng
RT: 14.504 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

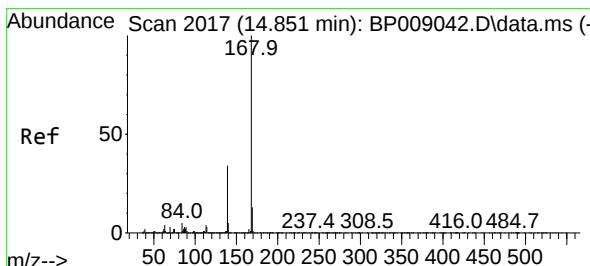
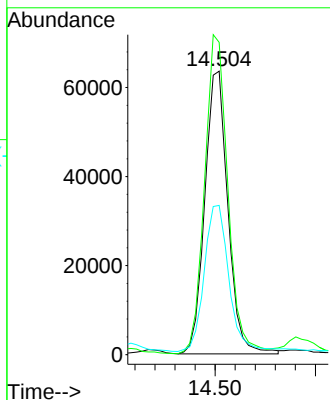
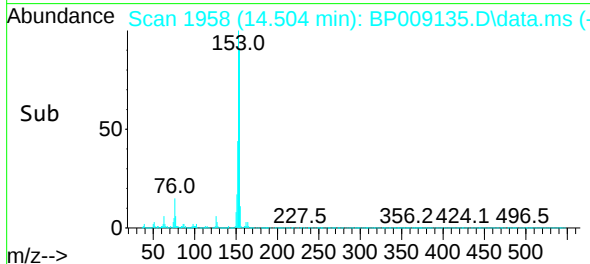
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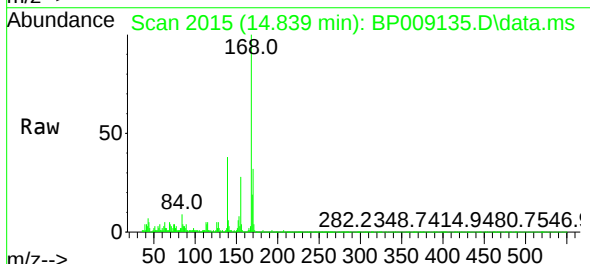
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Ion Ratio Lower Upper
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153 110.1 89.4 134.2
152 52.6 42.6 63.8

Manual Integrations
APPROVED

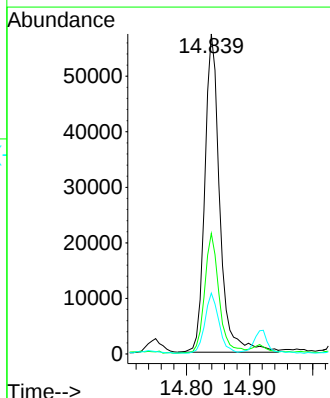
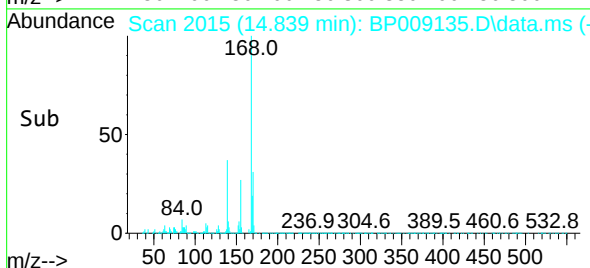
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

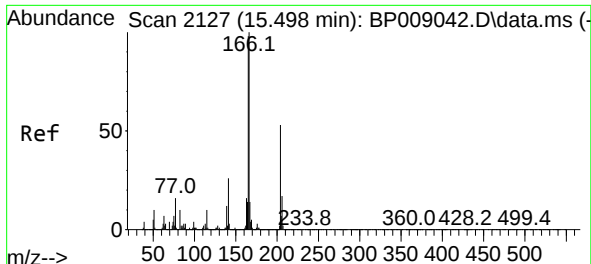


#55
Dibenzofuran
Concen: 2.286 ng
RT: 14.839 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33



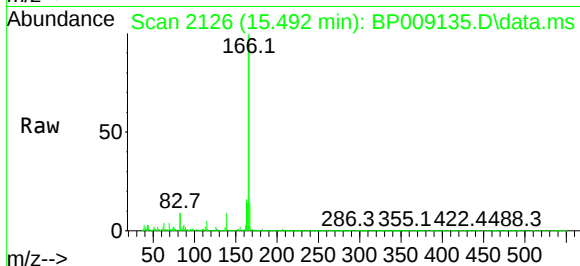
Tgt Ion:168 Resp: 94555
Ion Ratio Lower Upper
168 100
139 37.6 27.4 41.0
169 19.0 10.9 16.3





#58
Fluorene
Concen: 5.951 ng
RT: 15.492 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

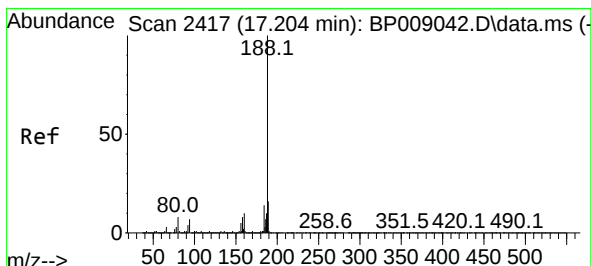
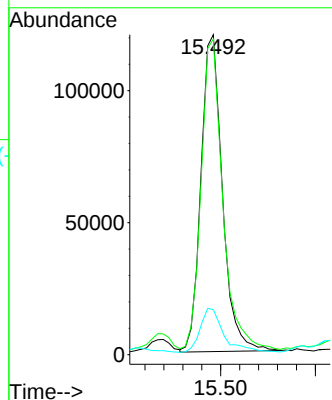
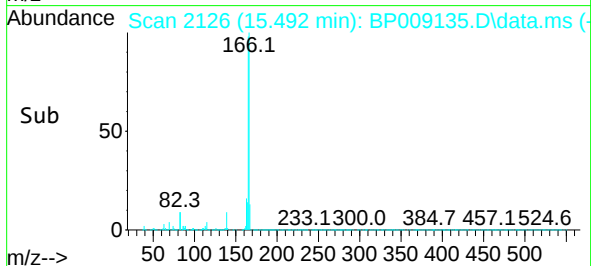
Instrument :
BNA_P
ClientSampleId :
SU-02-021022DL



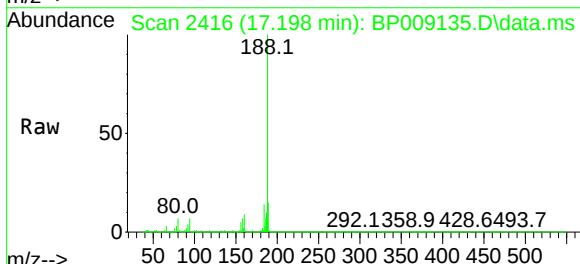
Tgt Ion:166 Resp: 189084
Ion Ratio Lower Upper
166 100
165 98.6 77.2 115.8
167 14.1 11.2 16.8

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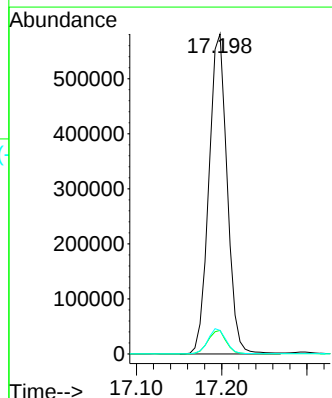
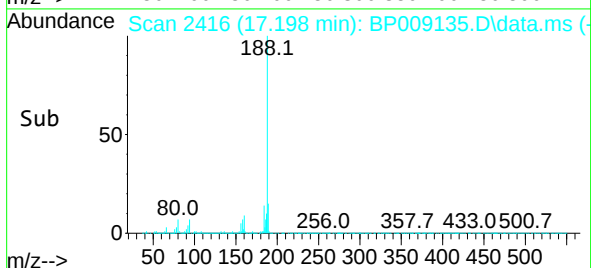
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

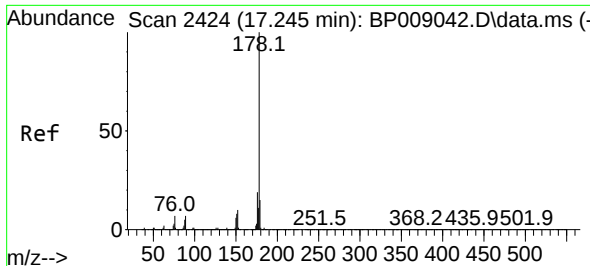


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33



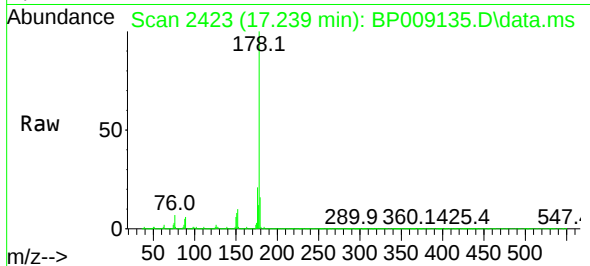
Tgt Ion:188 Resp: 865705
Ion Ratio Lower Upper
188 100
94 7.3 6.8 10.2
80 7.4 7.2 10.8





#71
Phenanthrene
Concen: 31.479 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

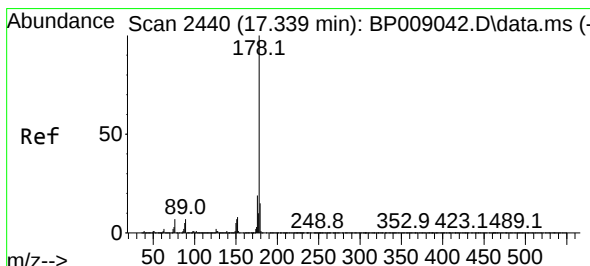
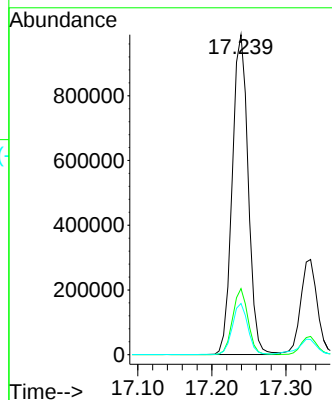
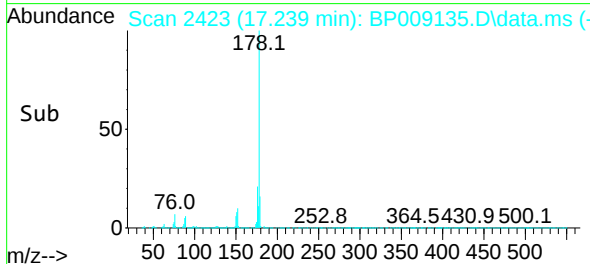
Instrument :
BNA_P
ClientSampleId :
SU-02-021022DL



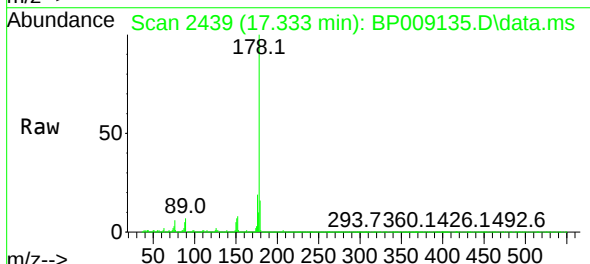
Tgt Ion:178 Resp: 147558
Ion Ratio Lower Upper
178 100
176 20.7 16.0 24.0
179 16.0 13.0 19.4

Manual Integrations
APPROVED

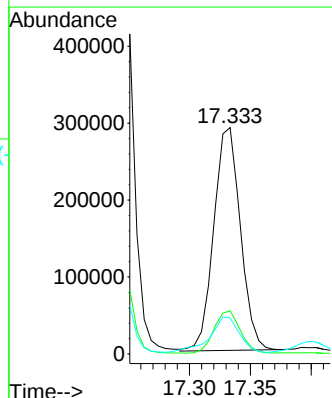
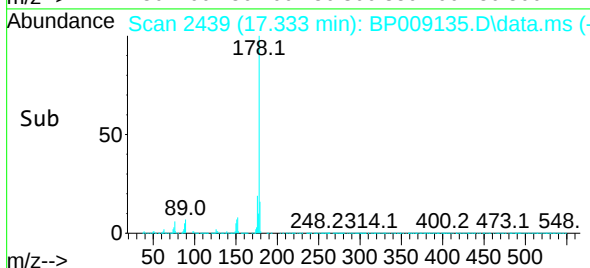
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

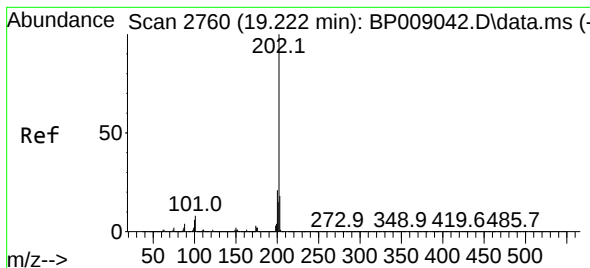


#72
Anthracene
Concen: 9.618 ng
RT: 17.333 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33



Tgt Ion:178 Resp: 441085
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.9 12.8 19.2





#75

Fluoranthene

Concen: 44.558 ng

RT: 19.216 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP009135.D

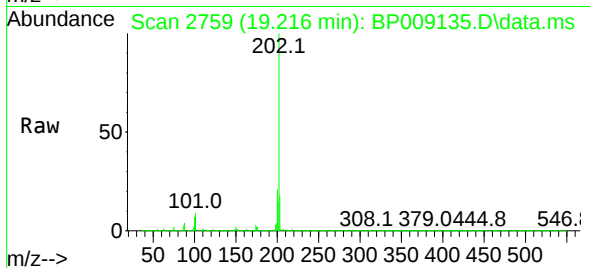
Acq: 14 Feb 2022 15:33

Instrument :

BNA_P

ClientSampleId :

SU-02-021022DL



Tgt Ion:202 Resp: 2340974

Ion Ratio Lower Upper

202 100

101 8.5 0.0 30.7

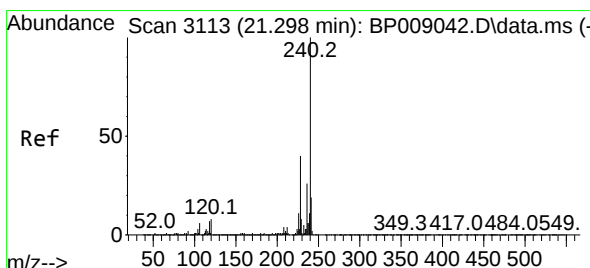
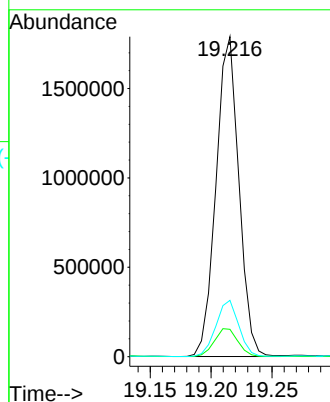
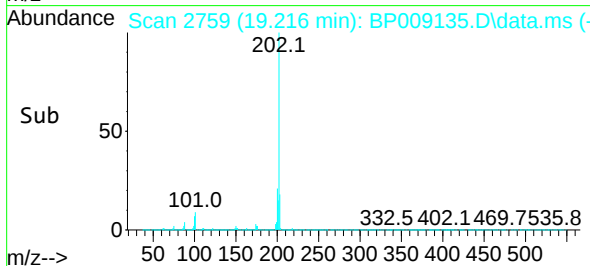
203 17.6 0.0 38.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/15/2022

Supervised By :Yogesh Patel 02/18/2022



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.292 min Scan# 3112

Delta R.T. -0.006 min

Lab File: BP009135.D

Acq: 14 Feb 2022 15:33

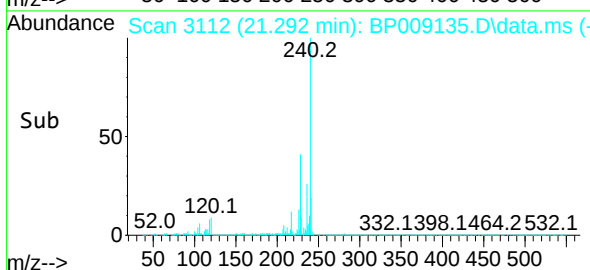
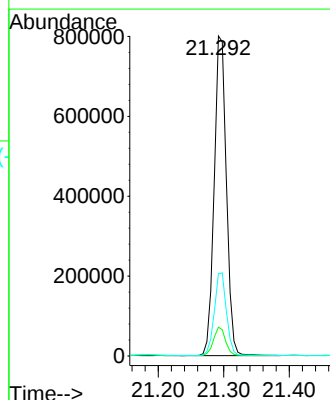
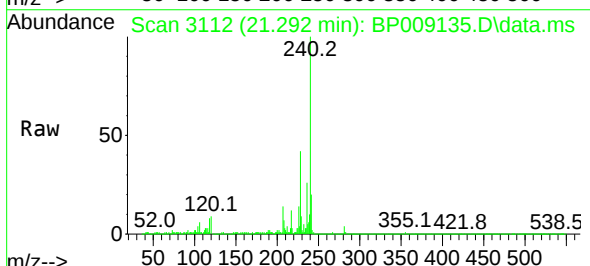
Tgt Ion:240 Resp: 1034910

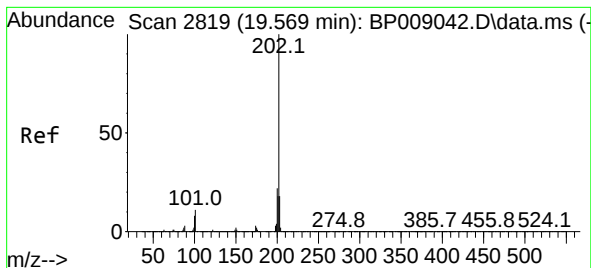
Ion Ratio Lower Upper

240 100

120 9.0 7.7 11.5

236 25.7 21.2 31.8





#78

Pyrene

Concen: 29.298 ng

RT: 19.568 min Scan# 2819

Delta R.T. -0.000 min

Lab File: BP009135.D

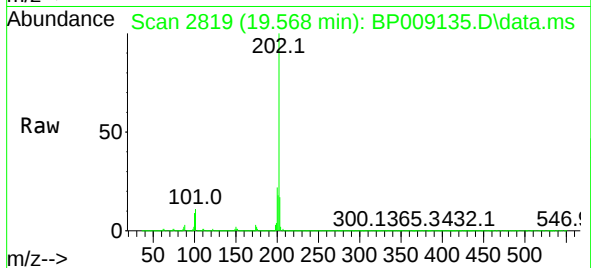
Acq: 14 Feb 2022 15:33

Instrument :

BNA_P

ClientSampleId :

SU-02-021022DL



Tgt Ion:202 Resp: 215688

Ion Ratio Lower Upper

202 100

200 21.5 18.0 27.0

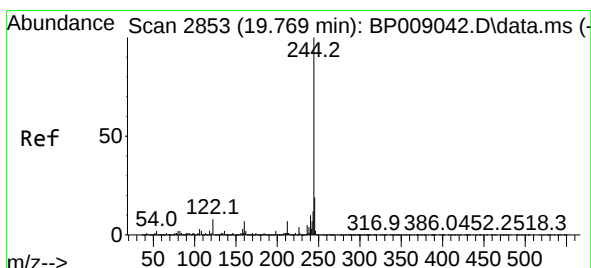
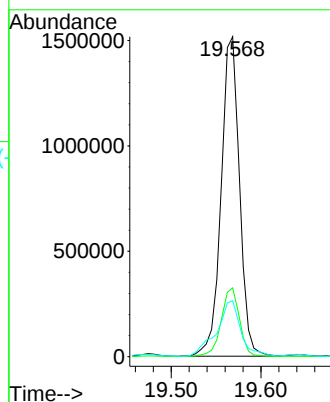
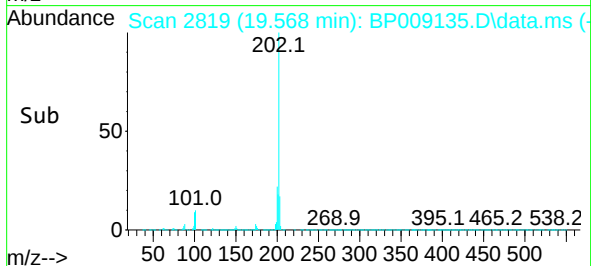
203 17.5 15.0 22.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/15/2022

Supervised By :Yogesh Patel 02/18/2022



#79

Terphenyl-d14

Concen: 5.221 ng

RT: 19.763 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BP009135.D

Acq: 14 Feb 2022 15:33

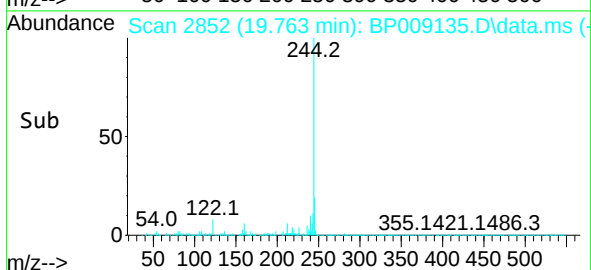
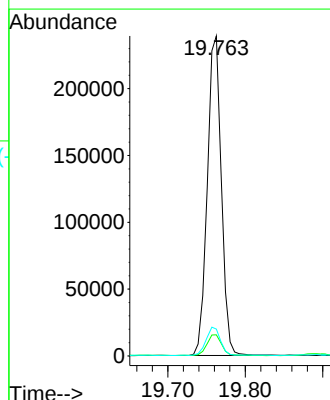
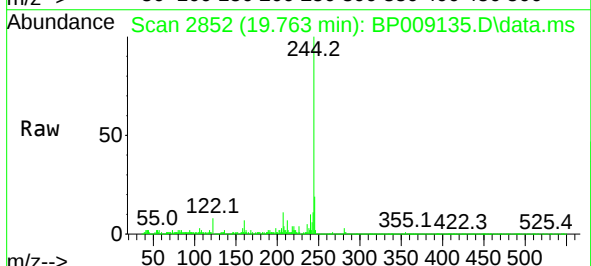
Tgt Ion:244 Resp: 300446

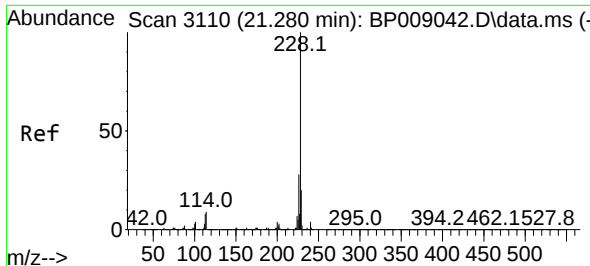
Ion Ratio Lower Upper

244 100

212 6.6 6.5 9.7

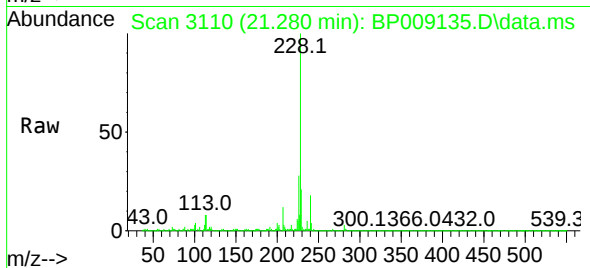
122 8.4 9.2 13.8#





#81
Benzo(a)anthracene
Concen: 18.156 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.000 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

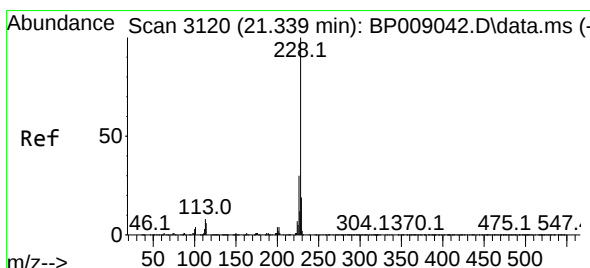
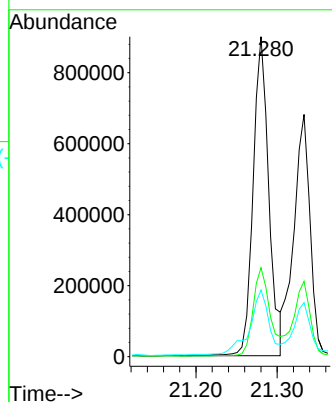
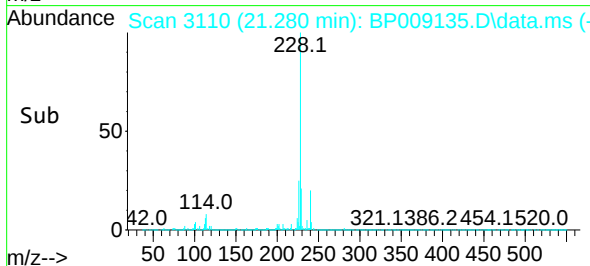
Instrument :
BNA_P
ClientSampleId :
SU-02-021022DL



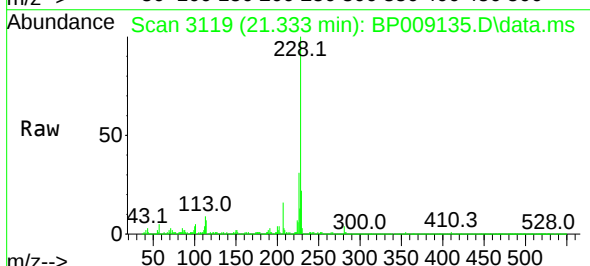
Tgt Ion:228 Resp: 121084
Ion Ratio Lower Upper
228 100
226 27.8 23.3 34.9
229 20.8 17.0 25.6

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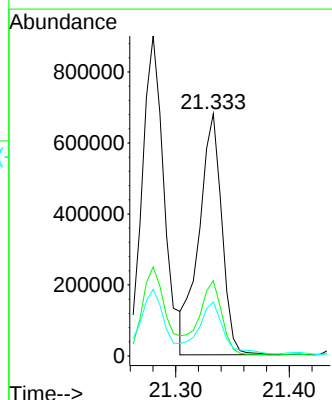
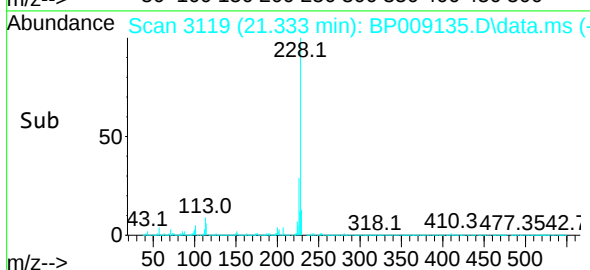
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

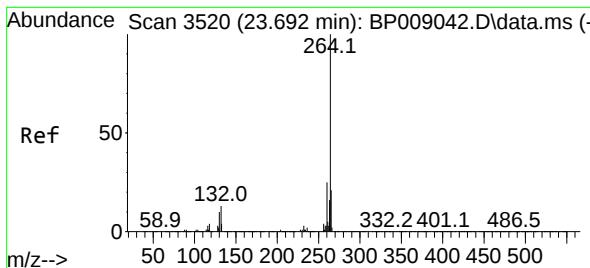


#83
Chrysene
Concen: 14.763 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33



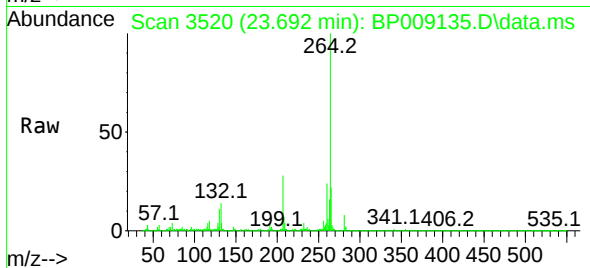
Tgt Ion:228 Resp: 949135
Ion Ratio Lower Upper
228 100
226 31.1 26.0 39.0
229 22.3 16.9 25.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.692 min Scan# 3520
Delta R.T. -0.000 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

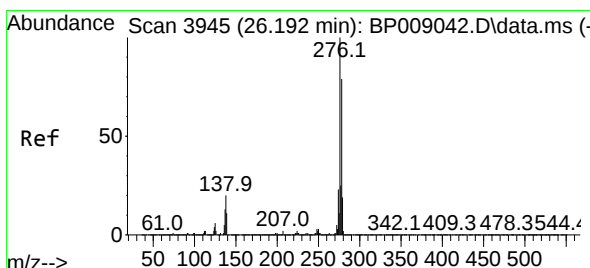
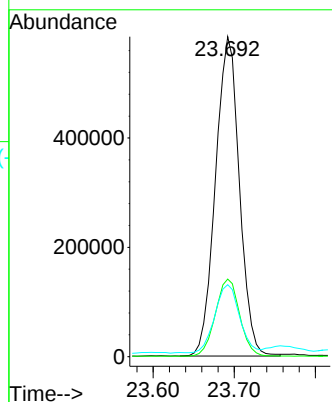
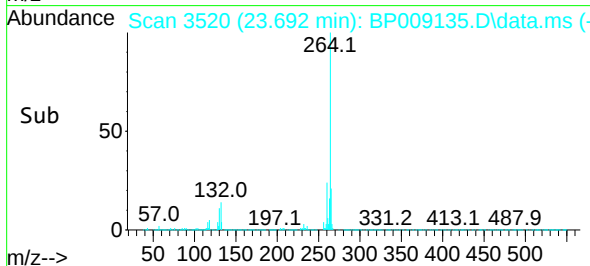
Instrument :
BNA_P
ClientSampleId :
SU-02-021022DL



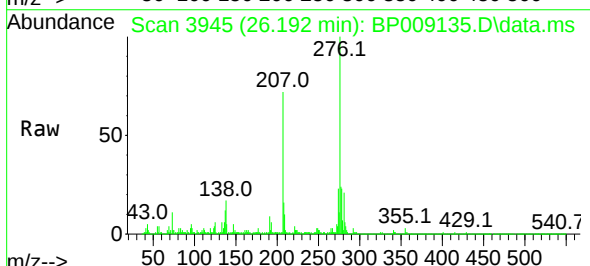
Tgt Ion:264 Resp: 1195530
Ion Ratio Lower Upper
264 100
260 24.3 19.1 28.7
265 22.5 17.1 25.7

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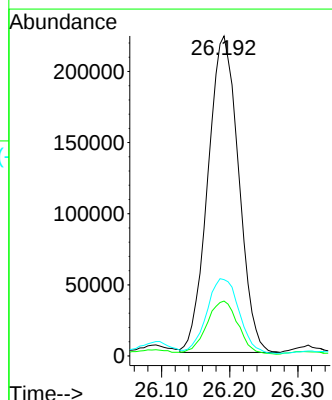
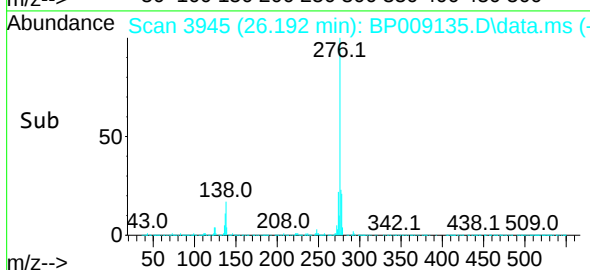
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

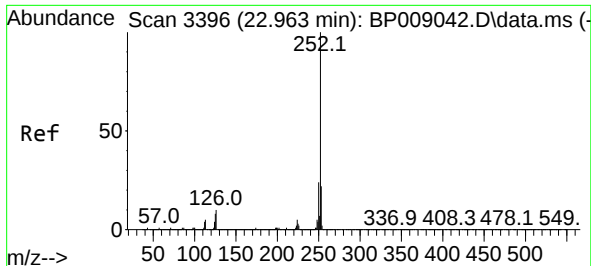


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.862 ng
RT: 26.192 min Scan# 3945
Delta R.T. -0.000 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33



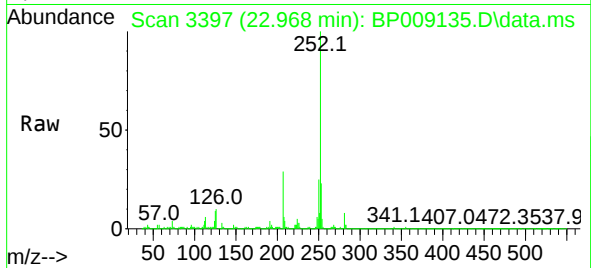
Tgt Ion:276 Resp: 698361
Ion Ratio Lower Upper
276 100
138 17.1 17.8 26.6#
277 24.8 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 17.585 ng
RT: 22.968 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

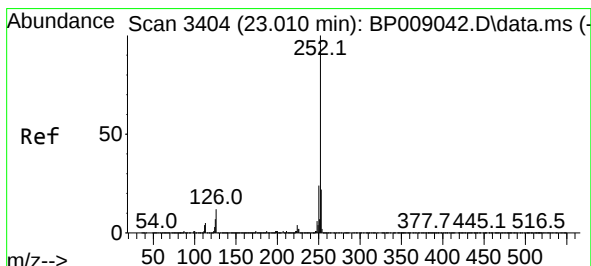
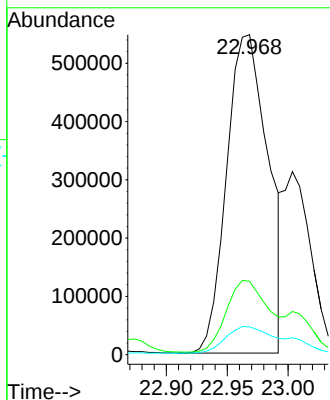
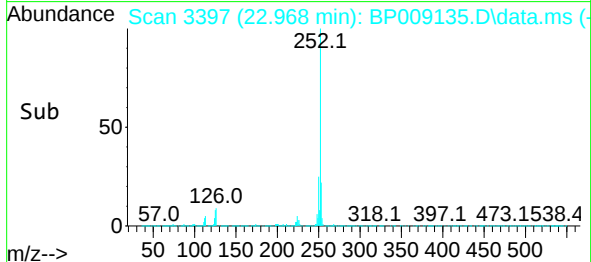
Instrument :
BNA_P
ClientSampleId :
SU-02-021022DL



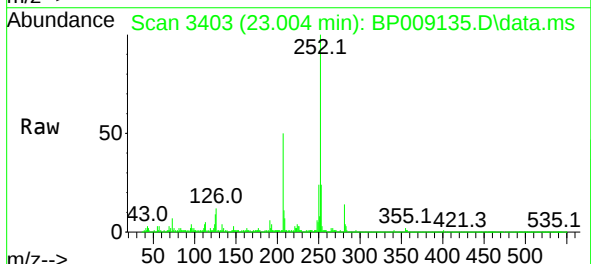
Tgt Ion:252 Resp: 129422
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 8.7 6.9 10.3

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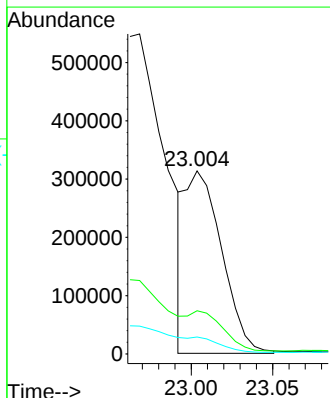
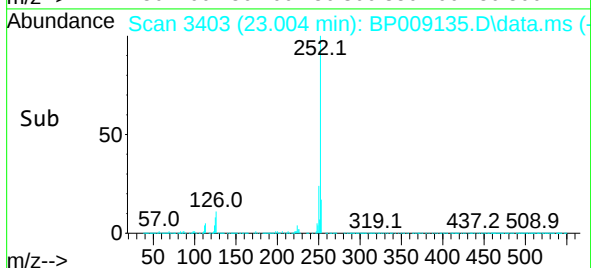
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

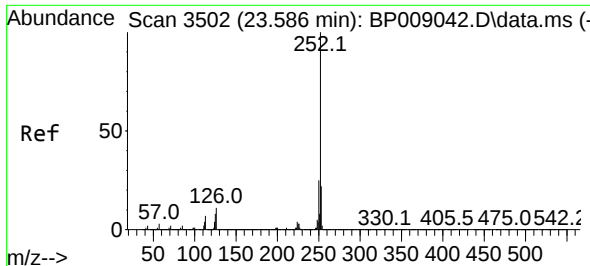


#89
Benzo(k)fluoranthene
Concen: 6.622 ng m
RT: 23.004 min Scan# 3403
Delta R.T. -0.006 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33



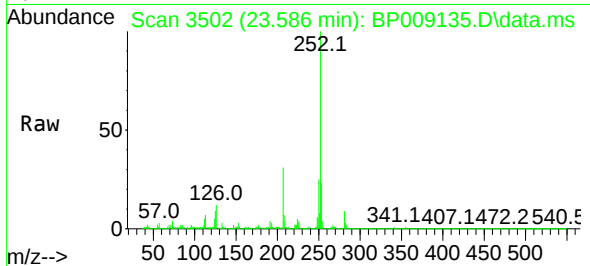
Tgt Ion:252 Resp: 486215
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 9.2 7.3 10.9





#90
Benzo(a)pyrene
Concen: 17.645 ng
RT: 23.586 min Scan# 3502
Delta R.T. -0.000 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33

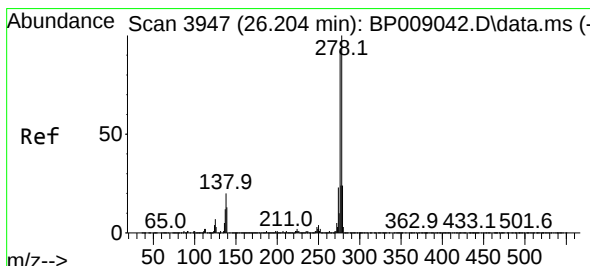
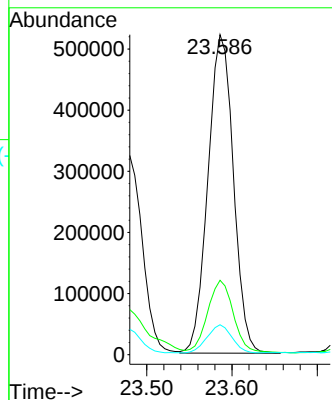
Instrument :
BNA_P
ClientSampleId :
SU-02-021022DL



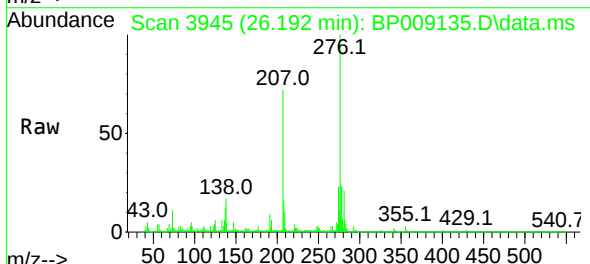
Tgt Ion:252 Resp: 108271
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 9.4 7.8 11.6

Manual Integrations
APPROVED

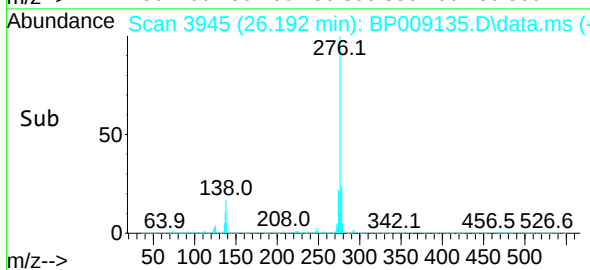
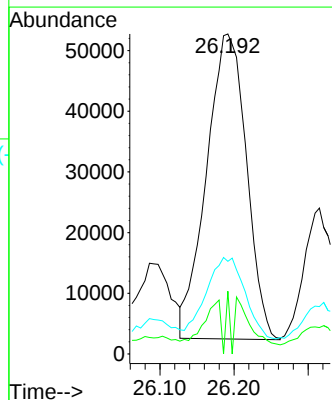
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :Yogesh Patel 02/18/2022

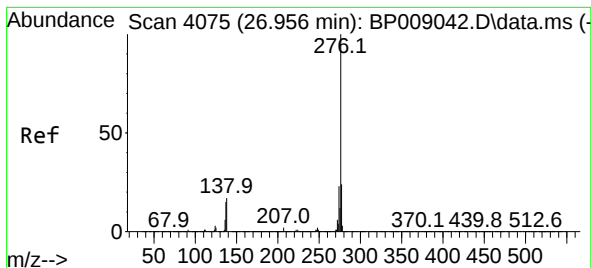


#91
Dibenzo(a,h)anthracene
Concen: 2.580 ng
RT: 26.192 min Scan# 3945
Delta R.T. -0.012 min
Lab File: BP009135.D
Acq: 14 Feb 2022 15:33



Tgt Ion:278 Resp: 188323
Ion Ratio Lower Upper
278 100
139 19.6 11.5 17.3#
279 29.0 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 9.288 ng

RT: 26.956 min Scan# 4075

Delta R.T. -0.000 min

Lab File: BP009135.D

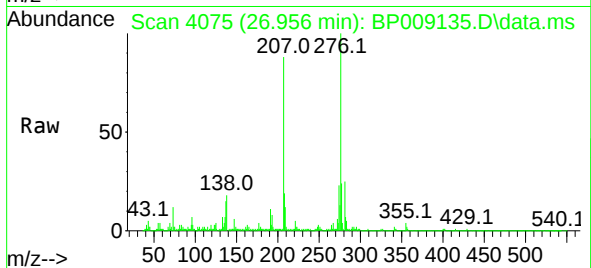
Acq: 14 Feb 2022 15:33

Instrument :

BNA_P

ClientSampleId :

SU-02-021022DL



Tgt Ion:276 Resp: 67509

Ion Ratio Lower Upper

276 100

277 24.5 19.2 28.8

138 17.8 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/15/2022

Supervised By :Yogesh Patel 02/18/2022

