

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
 Data File : BP008481.D
 Acq On : 17 Dec 2021 20:43
 Operator : CG/JU
 Sample : M5039-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-14

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/18/2021
 Supervised By : Jagrut Upadhyay 12/20/2021

Quant Time: Dec 18 07:28:03 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 18 06:49:58 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	49955	20.000	ng	0.00
21) Naphthalene-d8	10.516	136	191644	20.000	ng	0.00
39) Acenaphthene-d10	14.381	164	130814	20.000	ng	0.00
64) Phenanthrene-d10	17.145	188	277922	20.000	ng	0.00
76) Chrysene-d12	21.257	240	316011	20.000	ng	0.00
86) Perylene-d12	23.621	264	347762	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	179004	56.589	ng	0.01
7) Phenol-d6	6.940	99	142007	33.426	ng	0.01
23) Nitrobenzene-d5	8.893	82	326374	72.148	ng	0.00
42) 2,4,6-Tribromophenol	15.887	330	228746	118.989	ng	0.00
45) 2-Fluorobiphenyl	12.999	172	702666	68.282	ng	0.00
79) Terphenyl-d14	19.722	244	838632	46.187	ng	0.00
Target Compounds						
						Qvalue
27) 2,4-Dimethylphenol	9.763	122	17757	6.599	ng	93
31) Naphthalene	10.575	128	2890266	287.593	ng	99
37) 2-Methylnaphthalene	12.187	142	574432	82.931	ng	98
38) 1-Methylnaphthalene	12.410	142	369153m	54.742	ng	
51) 2,6-Dinitrotoluene	13.963	165	17487	8.458	ng	# 23
52) Acenaphthene	14.440	154	20345	2.886	ng	99
58) Fluorene	15.434	166	32786	3.527	ng	97
71) Phenanthrene	17.186	178	53456	3.551	ng	97
73) Carbazole	17.563	167	82721	6.086	ng	97

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

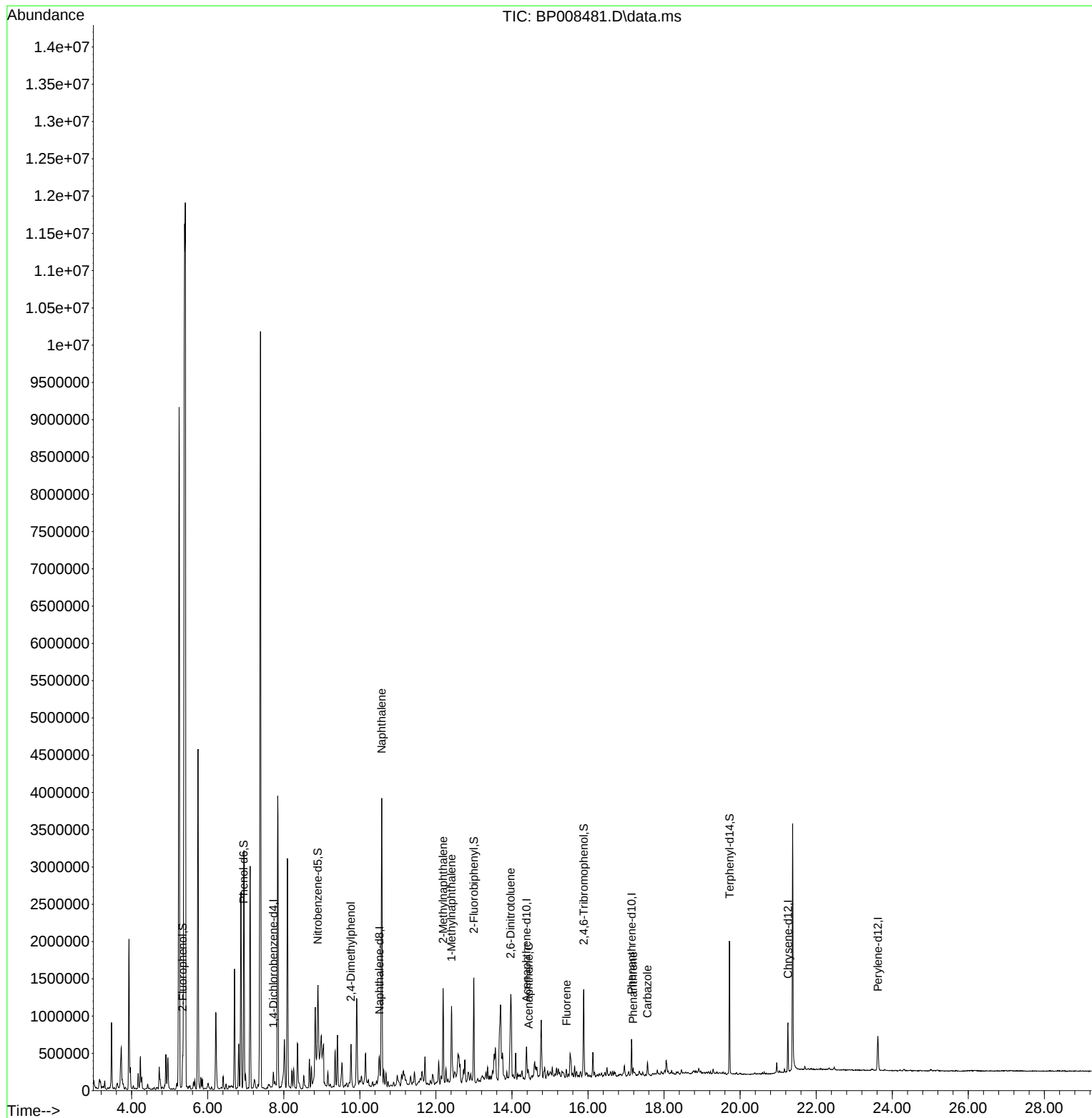
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008481.D
Acq On : 17 Dec 2021 20:43
Operator : CG/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

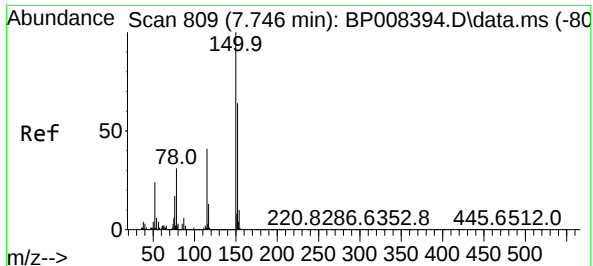
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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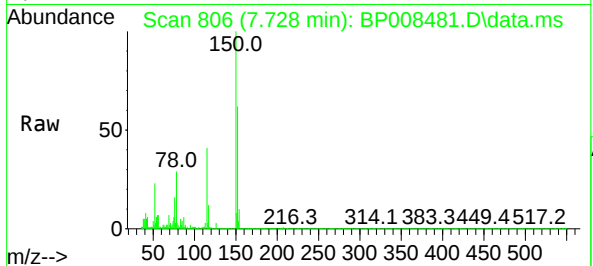
Reviewed By :Christian Giraldo 12/18/2021
Supervised By :Jagrut Upadhyay 12/20/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 809
Delta R.T. 0.000 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

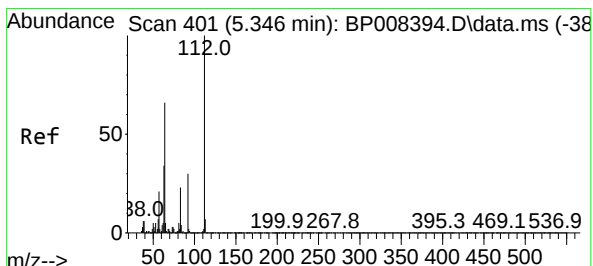
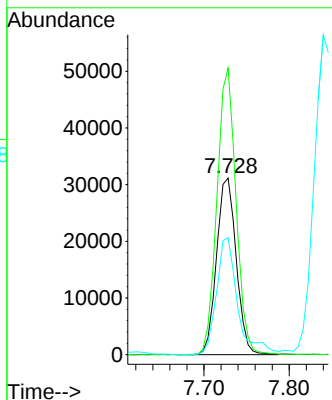
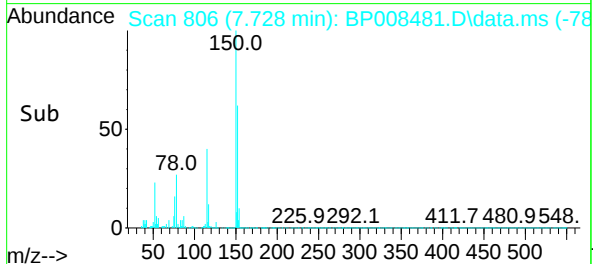
Instrument :
BNA_P
Client SampleId :
MW-14



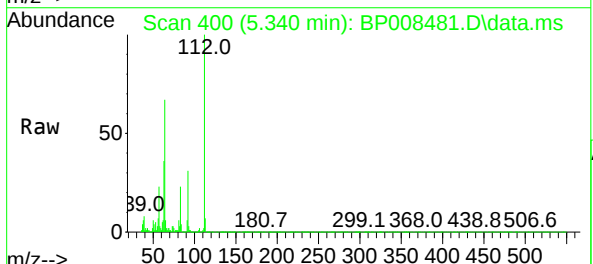
Tgt Ion:152 Resp: 4995
Ion Ratio Lower Upper
152 100
150 162.3 125.7 188.5
115 66.2 50.7 76.1

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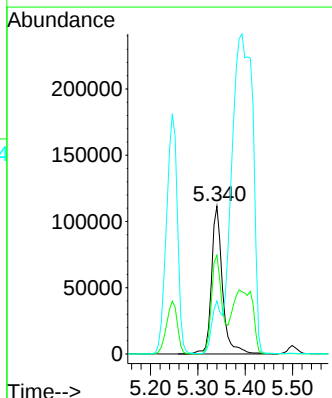
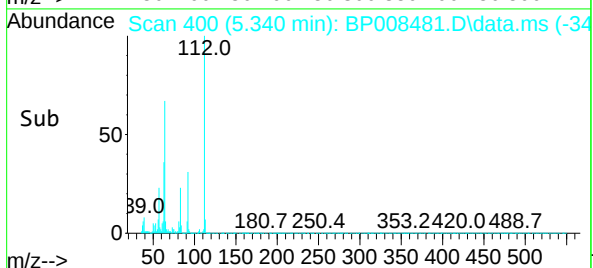
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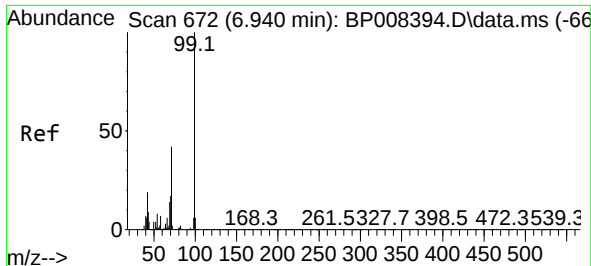


#5
2-Fluorophenol
Concen: 56.589 ng
RT: 5.340 min Scan# 400
Delta R.T. 0.012 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43



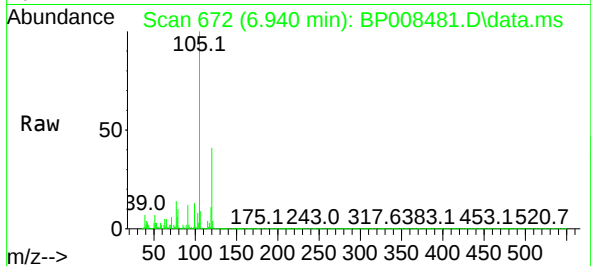
Tgt Ion:112 Resp: 179004
Ion Ratio Lower Upper
112 100
64 66.9 53.4 80.2
63 35.9 27.8 41.8





#7
Phenol-d6
Concen: 33.426 ng
RT: 6.940 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

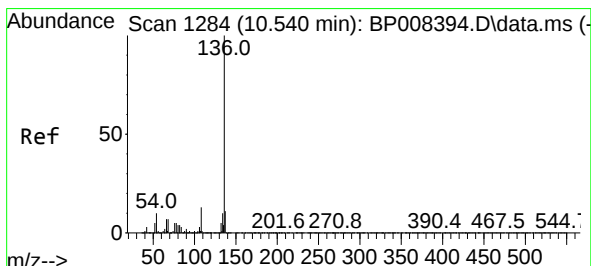
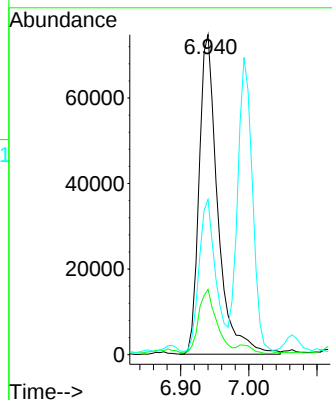
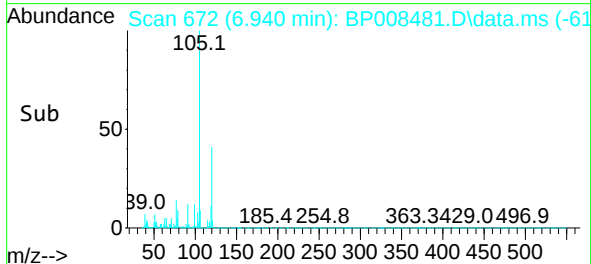
Instrument :
BNA_P
ClientSampleId :
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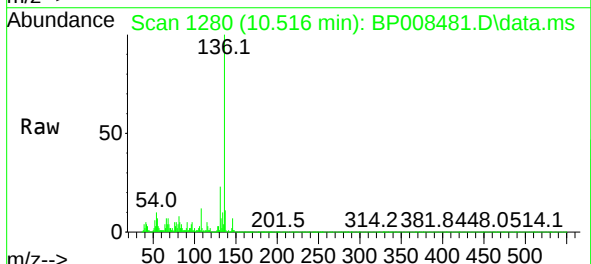
Tgt Ion: 99 Resp: 14200
Ion Ratio Lower Upper
99 100
42 20.4 14.6 22.0
71 48.5 31.1 46.7

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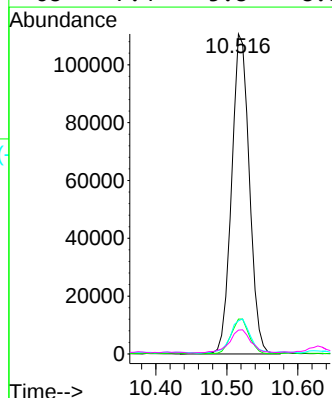
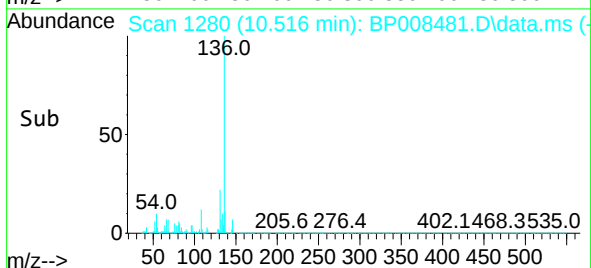
Reviewed By :Christian Giraldo 12/18/2021
Supervised By :Jagrut Upadhyay 12/20/2021

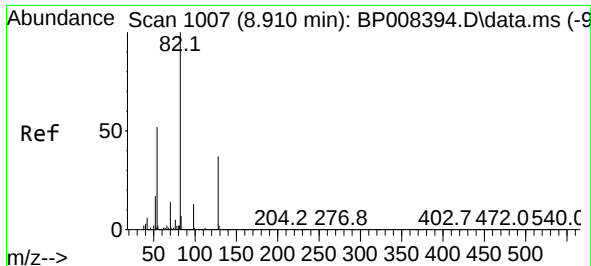


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43



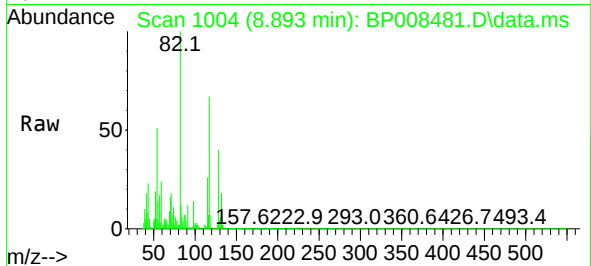
Tgt Ion:136 Resp: 191644
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 10.4 8.2 12.4
68 7.4 5.8 8.8





#23
Nitrobenzene-d5
Concen: 72.148 ng
RT: 8.893 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

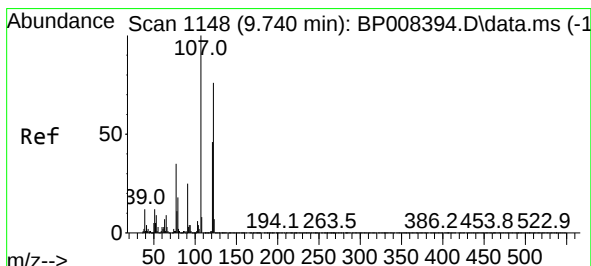
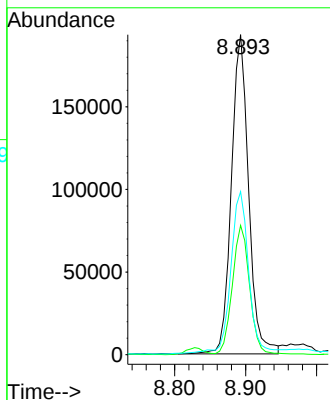
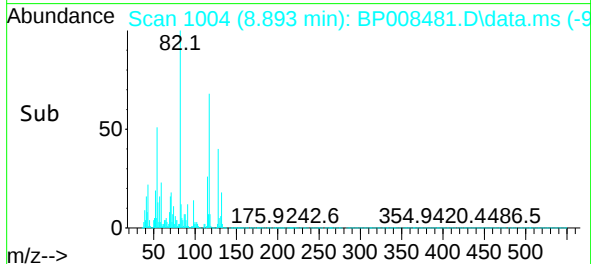
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 82 Resp: 326374
Ion Ratio Lower Upper
82 100
128 40.4 29.6 44.4
54 51.0 42.7 64.1

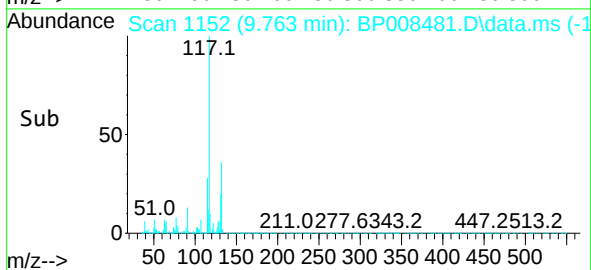
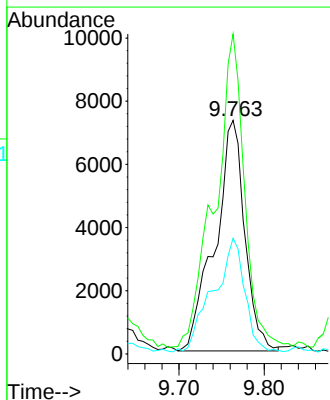
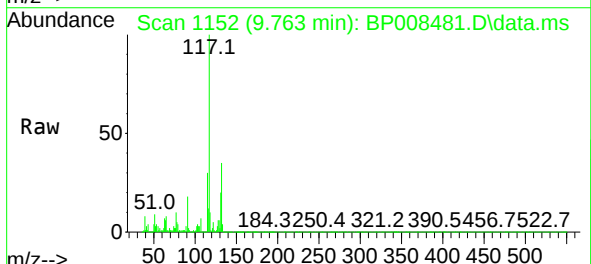
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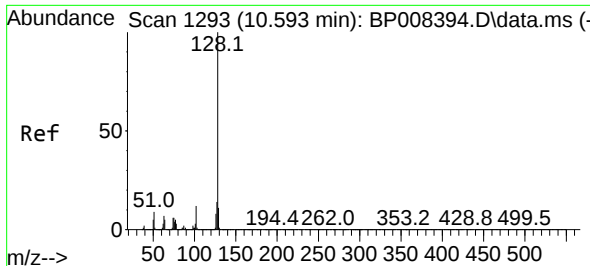
Reviewed By :Christian Giraldo 12/18/2021
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#27
2,4-Dimethylphenol
Concen: 6.599 ng
RT: 9.763 min Scan# 1152
Delta R.T. 0.035 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

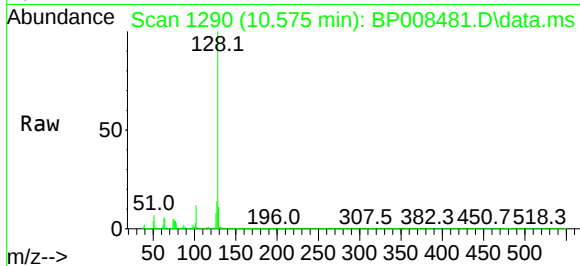
Tgt Ion:122 Resp: 17757
Ion Ratio Lower Upper
122 100
107 137.0 106.6 160.0
121 49.6 48.1 72.1





#31
Naphthalene
Concen: 287.593 ng
RT: 10.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

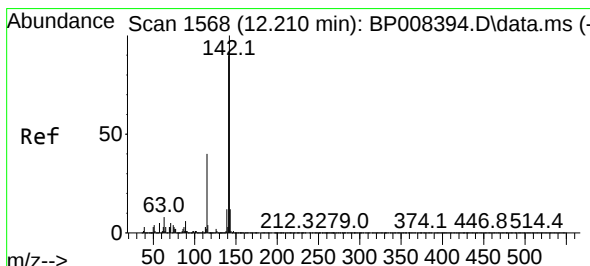
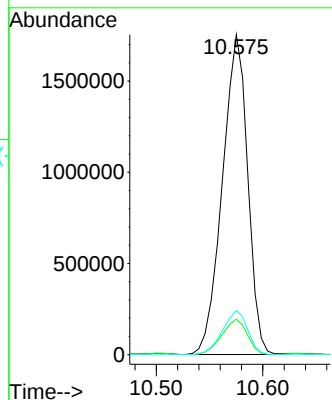
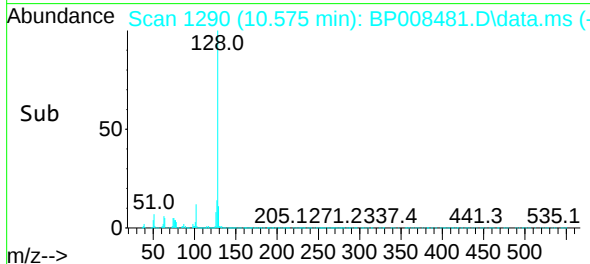
Instrument :
BNA_P
ClientSampleId :
MW-14



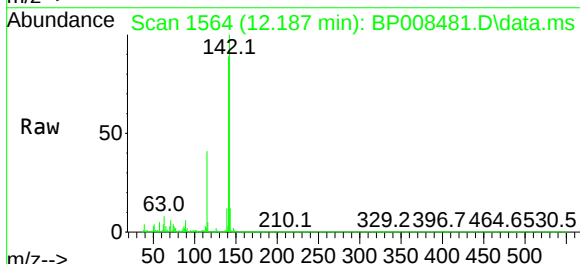
Tgt Ion:128 Resp: 2890260
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 13.8 10.9 16.3

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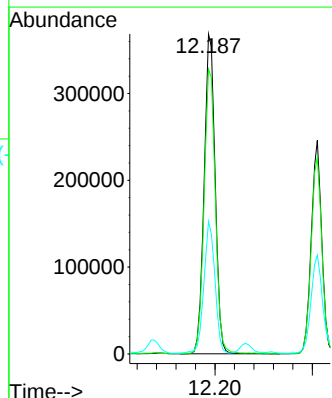
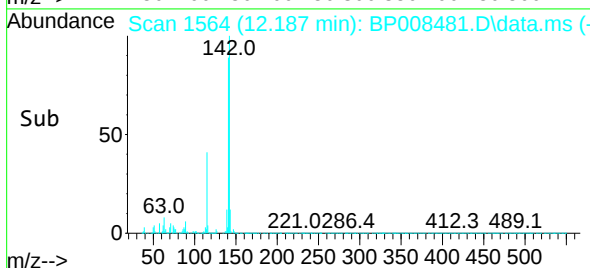
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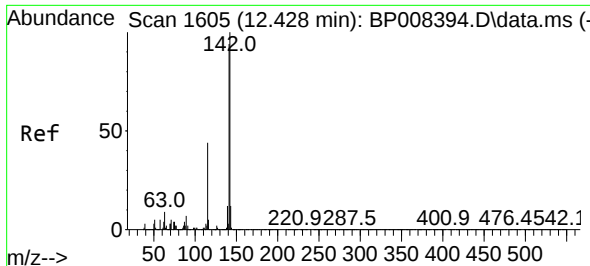


#37
2-Methylnaphthalene
Concen: 82.931 ng
RT: 12.187 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43



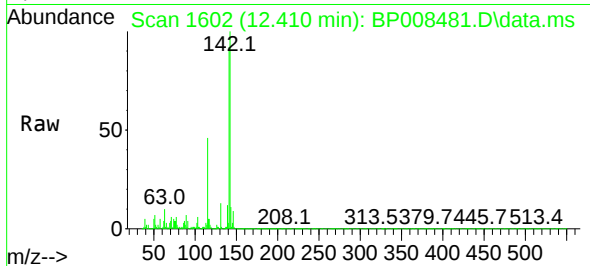
Tgt Ion:142 Resp: 574432
Ion Ratio Lower Upper
142 100
141 89.0 70.7 106.1
115 41.4 30.9 46.3





#38
1-Methylnaphthalene
Concen: 54.742 ng m
RT: 12.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

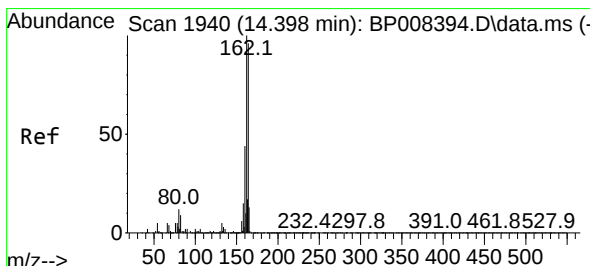
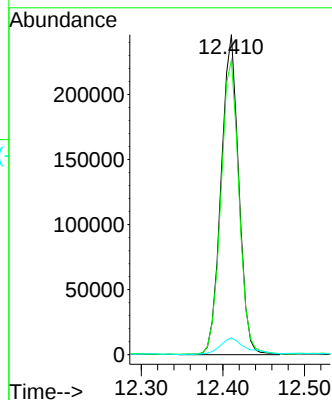
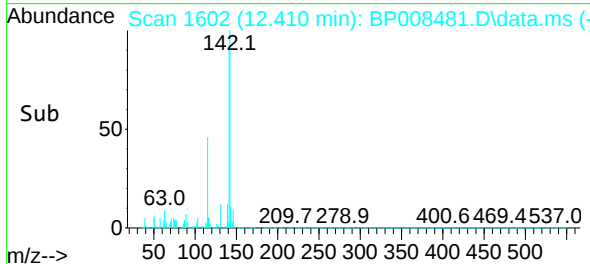
Instrument :
BNA_P
ClientSampleId :
MW-14



Tgt Ion:142 Resp: 36915
Ion Ratio Lower Upper
142 100
141 92.0 74.2 111.4
116 5.2 3.4 5.2

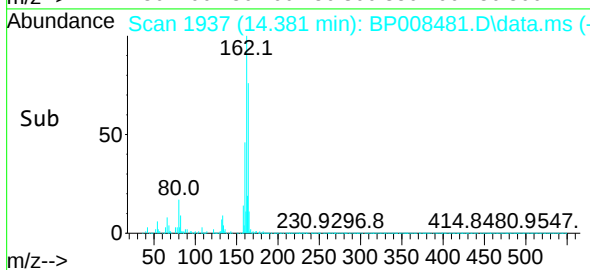
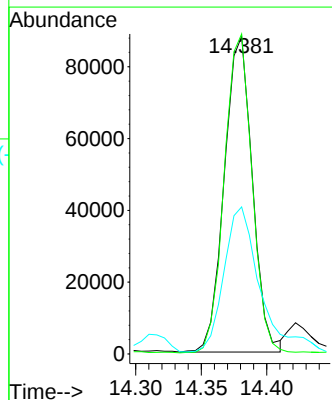
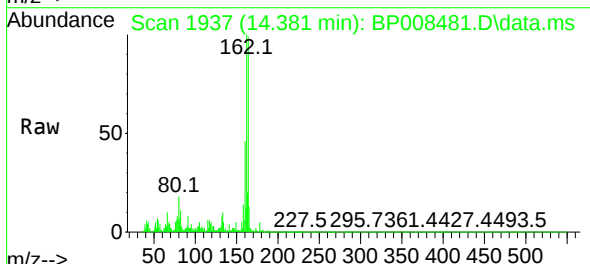
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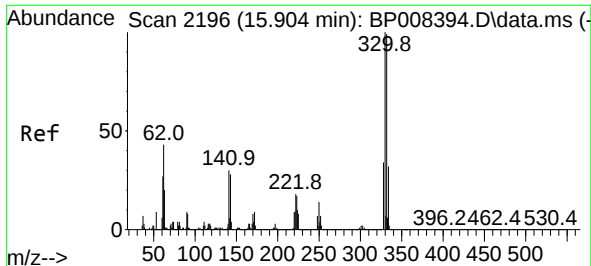
Reviewed By :Christian Giraldo 12/18/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

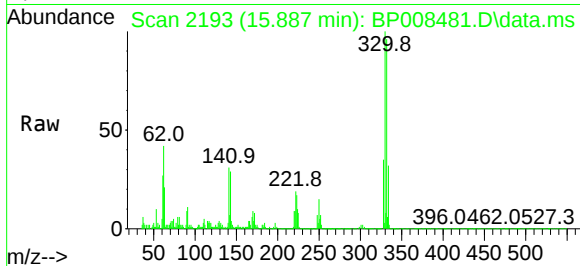
Tgt Ion:164 Resp: 130814
Ion Ratio Lower Upper
164 100
162 100.8 81.9 122.9
160 46.3 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 118.989 ng
RT: 15.887 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

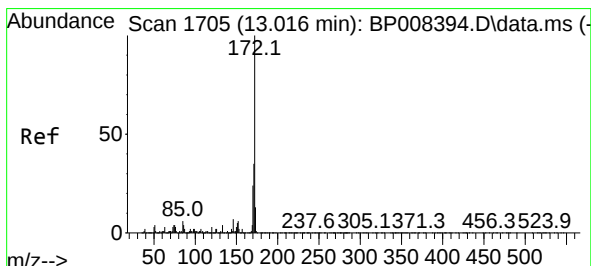
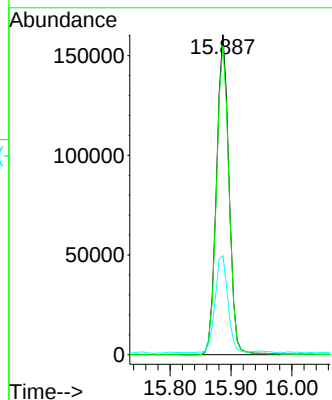
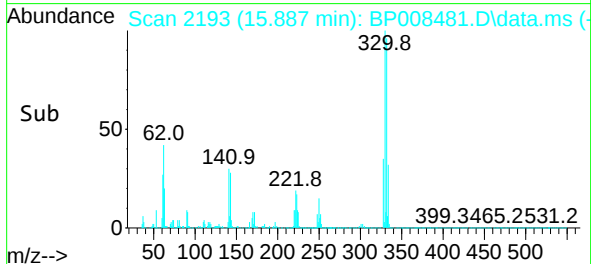
Instrument :
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MW-14



Tgt Ion:330 Resp: 228740
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.4
141 31.3 28.4 42.6

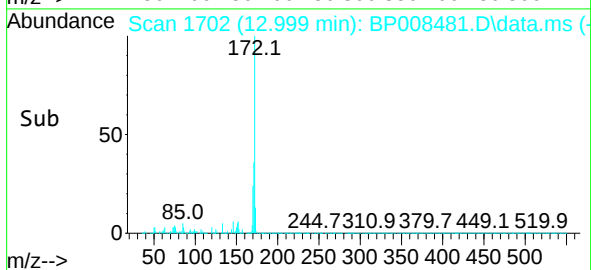
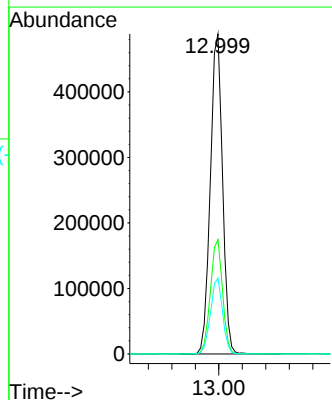
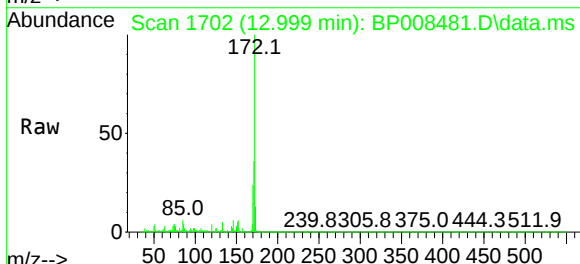
Manual Integrations
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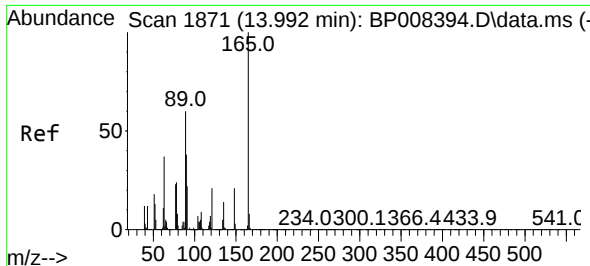
Reviewed By :Christian Giraldo 12/18/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#45
2-Fluorobiphenyl
Concen: 68.282 ng
RT: 12.999 min Scan# 1702
Delta R.T. -0.006 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

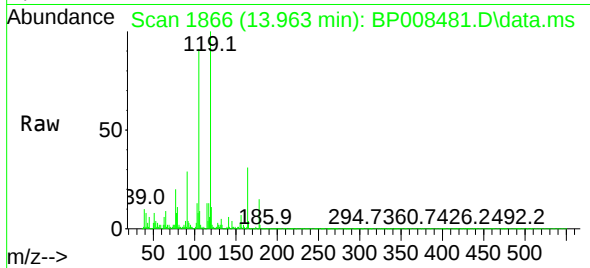
Tgt Ion:172 Resp: 702666
Ion Ratio Lower Upper
172 100
171 35.8 28.0 42.0
170 23.7 18.9 28.3





#51
2,6-Dinitrotoluene
Concen: 8.458 ng
RT: 13.963 min Scan# 1871
Delta R.T. -0.018 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

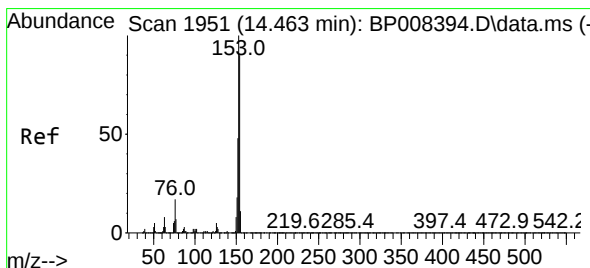
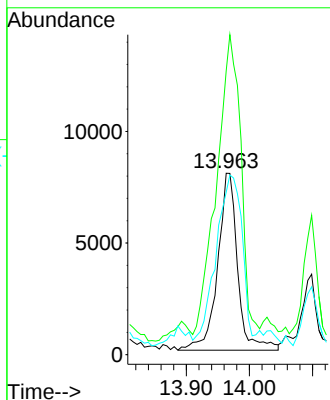
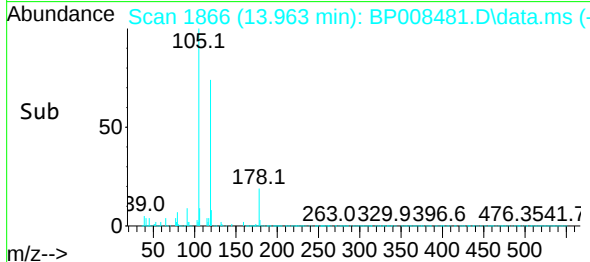
Instrument :
BNA_P
ClientSampleId :
MW-14



Tgt Ion:165 Resp: 1748
Ion Ratio Lower Upper
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63 156.4 50.8 76.2
89 89.5 50.0 75.0

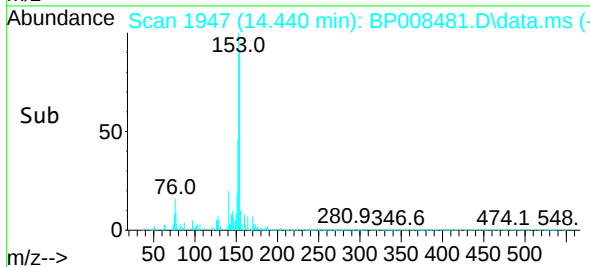
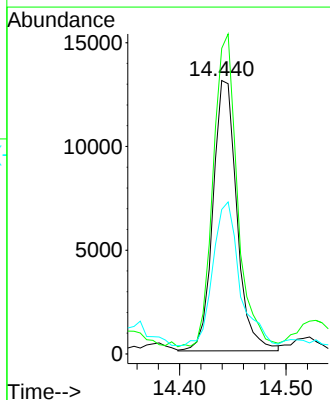
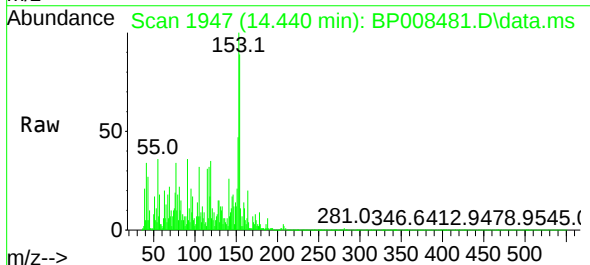
Manual Integrations
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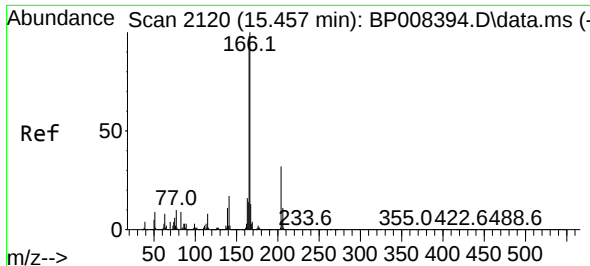
Reviewed By :Christian Giraldo 12/18/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#52
Acenaphthene
Concen: 2.886 ng
RT: 14.440 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

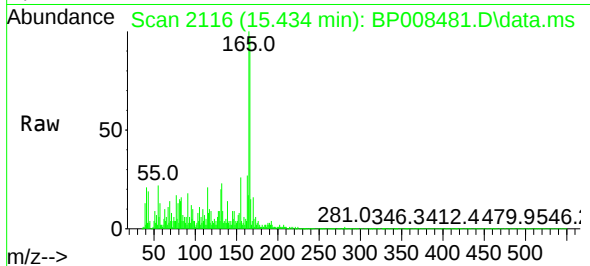
Tgt Ion:154 Resp: 20345
Ion Ratio Lower Upper
154 100
153 111.7 90.3 135.5
152 52.8 43.3 64.9





#58
Fluorene
Concen: 3.527 ng
RT: 15.434 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

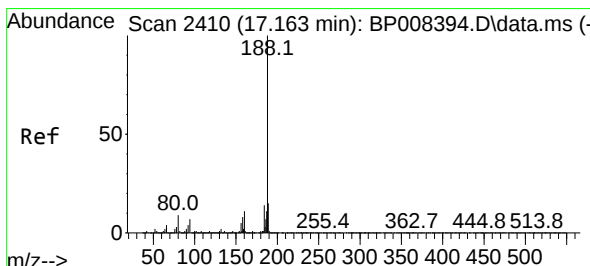
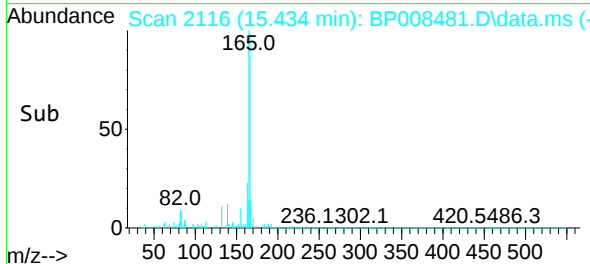
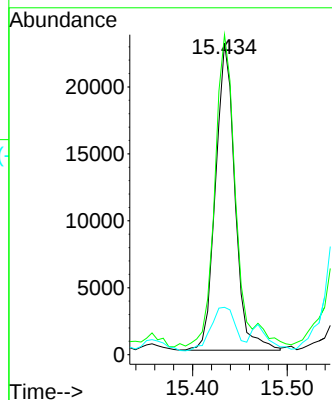
Instrument :
BNA_P
ClientSampleId :
MW-14



Tgt Ion:166 Resp: 32780
Ion Ratio Lower Upper
166 100
165 102.6 79.4 119.2
167 15.2 10.9 16.3

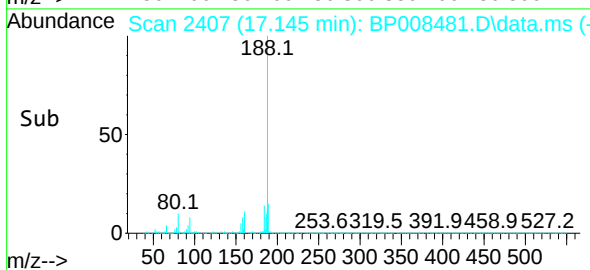
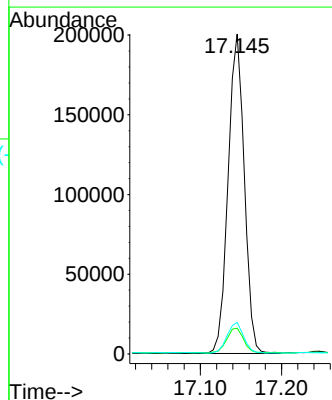
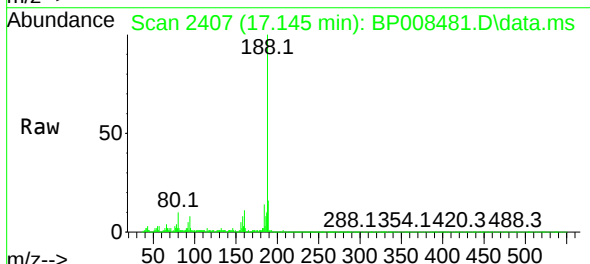
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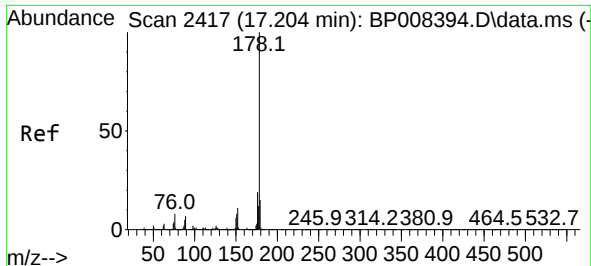
Reviewed By :Christian Giraldo 12/18/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

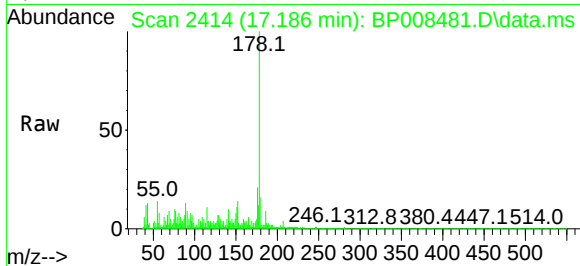
Tgt Ion:188 Resp: 277922
Ion Ratio Lower Upper
188 100
94 8.0 7.2 10.8
80 9.8 8.2 12.4





#71
Phenanthrene
Concen: 3.551 ng
RT: 17.186 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

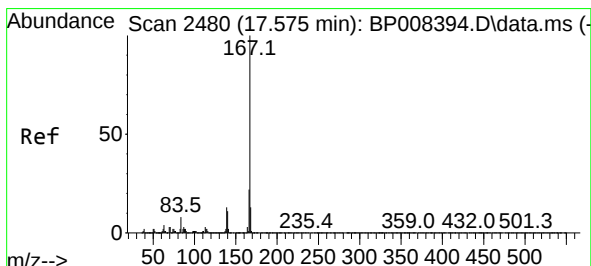
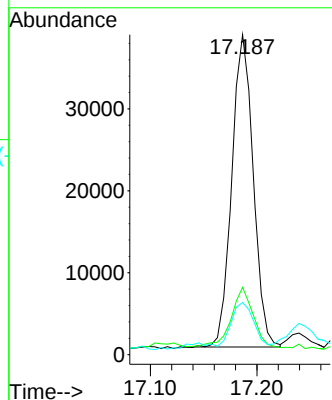
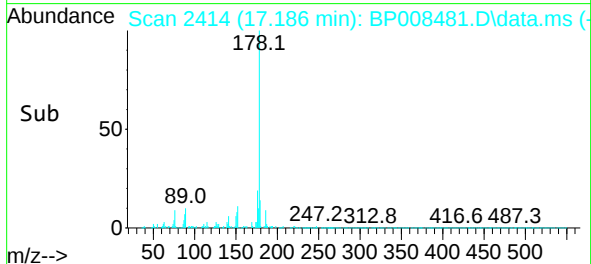
Instrument :
BNA_P
ClientSampleId :
MW-14



Tgt Ion:178 Resp: 53450
Ion Ratio Lower Upper
178 100
176 21.0 15.3 22.9
179 16.3 12.5 18.7

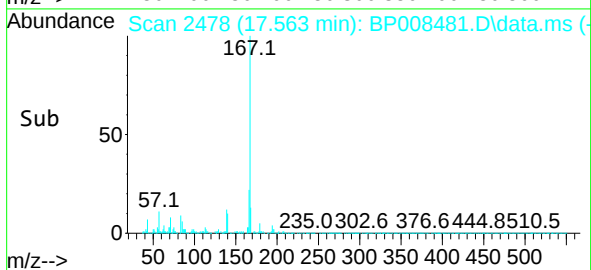
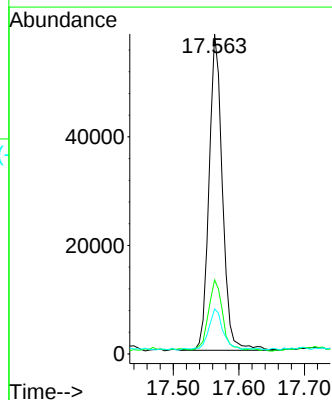
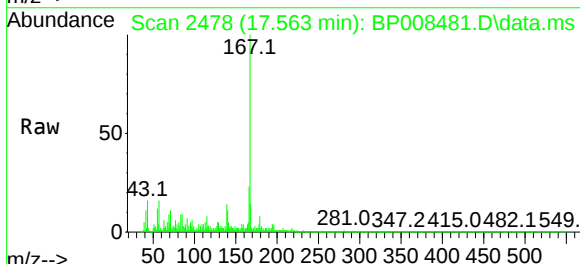
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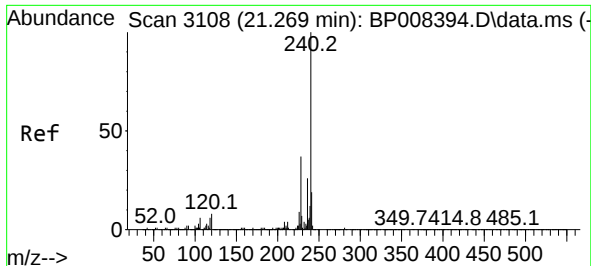
Reviewed By :Christian Giraldo 12/18/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#73
Carbazole
Concen: 6.086 ng
RT: 17.563 min Scan# 2478
Delta R.T. -0.006 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Tgt Ion:167 Resp: 82721
Ion Ratio Lower Upper
167 100
166 23.1 17.4 26.0
139 14.0 10.2 15.2





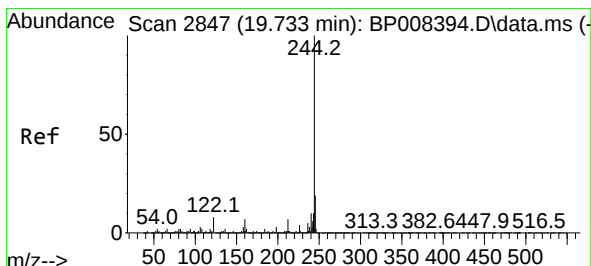
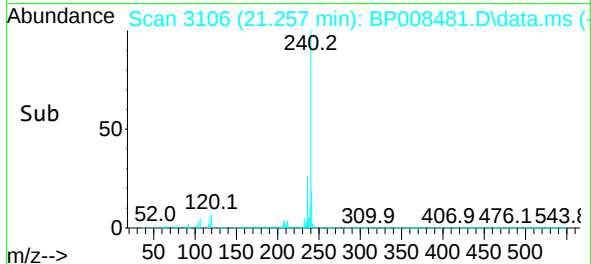
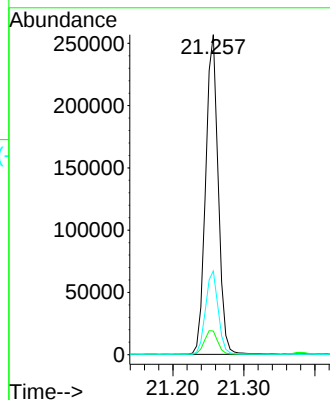
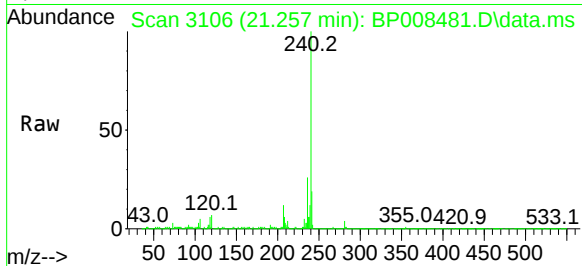
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.257 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Instrument :
BNA_P
ClientSampleId :
MW-14

Tgt Ion:240 Resp: 31601
Ion Ratio Lower Upper
240 100
120 7.4 7.3 10.9
236 26.2 21.4 32.2

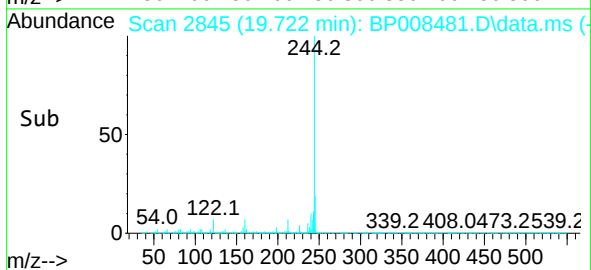
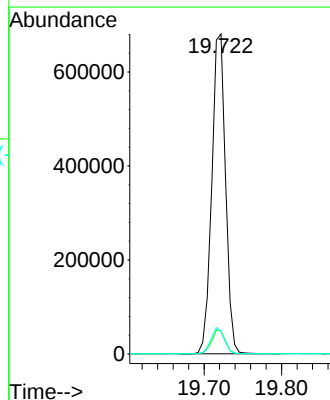
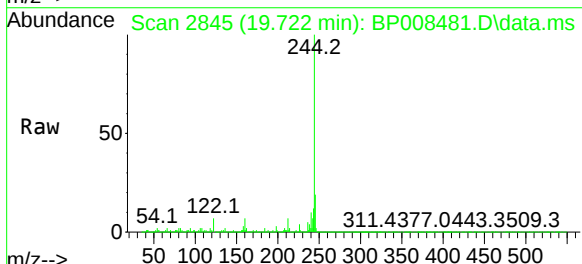
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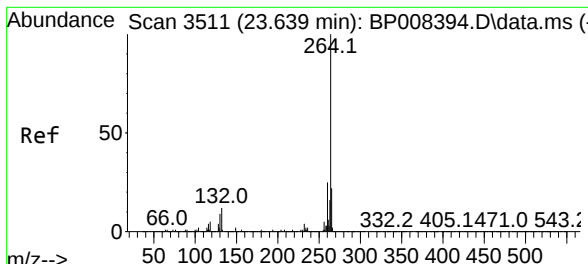
Reviewed By :Christian Giraldo 12/18/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#79
Terphenyl-d14
Concen: 46.187 ng
RT: 19.722 min Scan# 2845
Delta R.T. -0.006 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

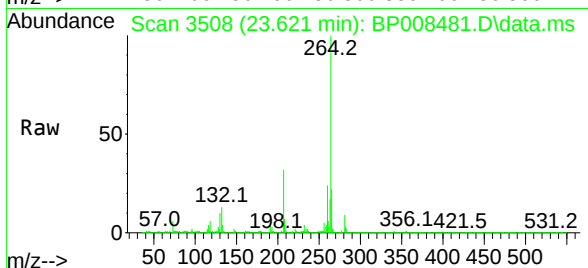
Tgt Ion:244 Resp: 838632
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 7.1 6.6 9.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.621 min Scan# 3508
 Delta R.T. -0.012 min
 Lab File: BP008481.D
 Acq: 17 Dec 2021 20:43

Instrument :
 BNA_P
 ClientSampleId :
 MW-14



Tgt Ion:264 Resp: 347762
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.4 29.2
 265 22.2 17.6 26.4

Manual Integrations
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Reviewed By :Christian Giraldo 12/18/2021
 Supervised By :Jagrut Upadhyay 12/20/2021

