

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032522\
 Data File : BP009557.D
 Acq On : 25 Mar 2022 17:52
 Operator : CG/JU
 Sample : N2109-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/28/2022
 Supervised By : Jagrut Upadhyay 03/28/2022

Quant Time: Mar 26 03:01:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 06:34:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	252126	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	997390	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	638860	20.000	ng	-0.01
64) Phenanthrene-d10	17.174	188	1324170	20.000	ng	-0.01
76) Chrysene-d12	21.292	240	1332602	20.000	ng	0.00
86) Perylene-d12	23.680	264	1432859	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1877679	130.026	ng	0.00
7) Phenol-d6	6.957	99	2404594	123.129	ng	0.00
23) Nitrobenzene-d5	8.922	82	1494138	79.607	ng	-0.01
42) 2,4,6-Tribromophenol	15.916	330	1007490	95.566	ng	0.00
45) 2-Fluorobiphenyl	13.034	172	3168676	68.759	ng	0.00
79) Terphenyl-d14	19.757	244	4581556	61.709	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.133	152	245087	4.231	ng	99
71) Phenanthrene	17.222	178	313575	4.424	ng	100
75) Fluoranthene	19.204	202	1297206	15.116	ng	98
78) Pyrene	19.557	202	1231695	14.026	ng	100
81) Benzo(a)anthracene	21.274	228	1022906	11.684	ng	98
83) Chrysene	21.327	228	955578	11.526	ng	99
87) Indeno(1,2,3-cd)pyrene	26.168	276	804818	7.404	ng	# 93
88) Benzo(b)fluoranthene	22.962	252	1593817	18.633	ng	99
89) Benzo(k)fluoranthene	22.998	252	471709m	5.632	ng	
90) Benzo(a)pyrene	23.574	252	1053088	14.390	ng	97
91) Dibenzo(a,h)anthracene	26.174	278	212702m	2.348	ng	
92) Benzo(g,h,i)perylene	26.927	276	773501	8.679	ng	95

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

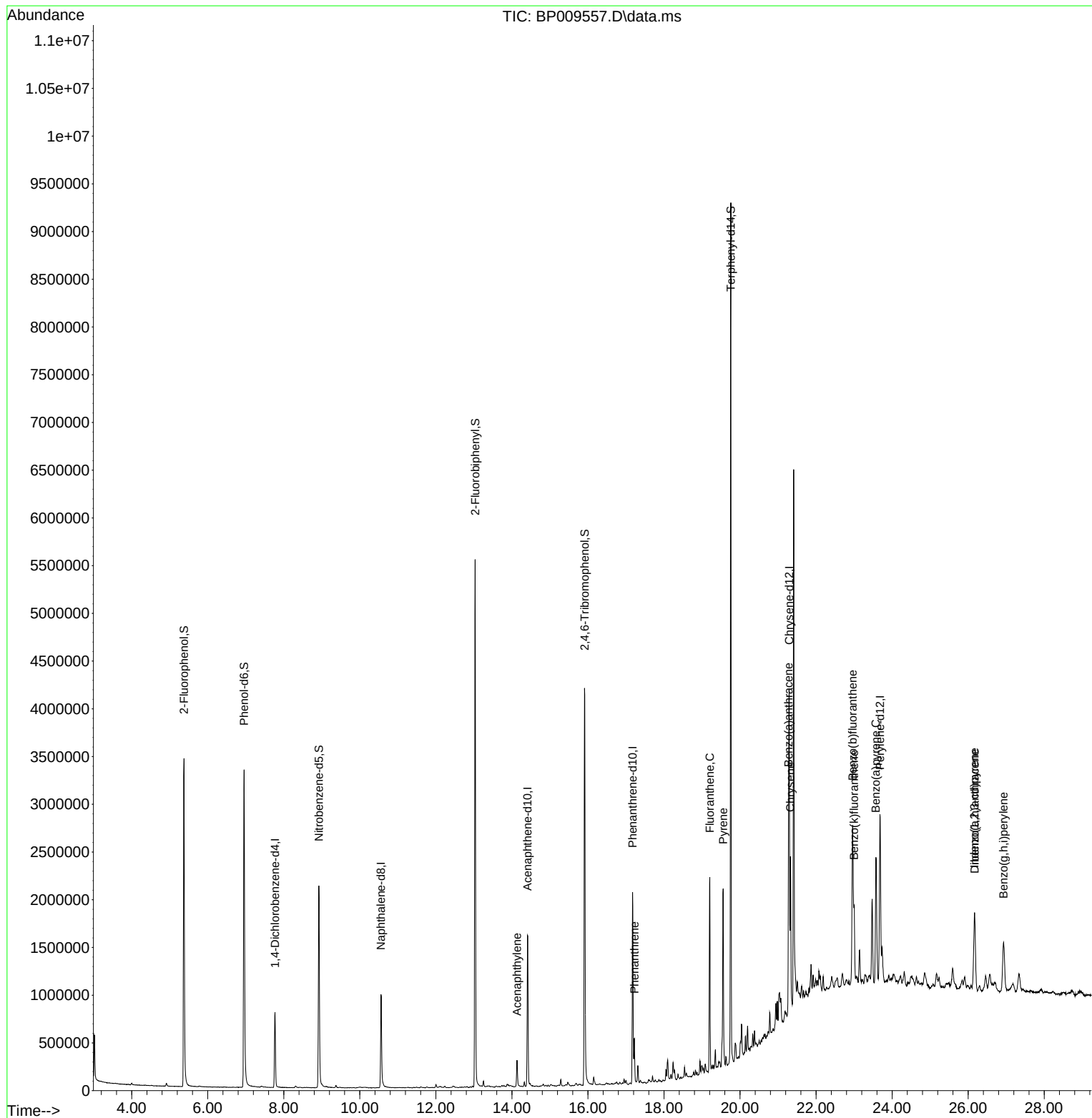
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032522\
Data File : BP009557.D
Acq On : 25 Mar 2022 17:52
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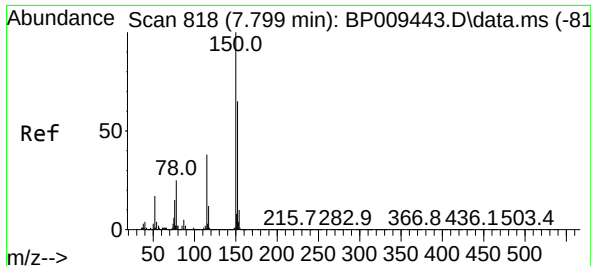
Instrument :
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Quant Time: Mar 26 03:01:07 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
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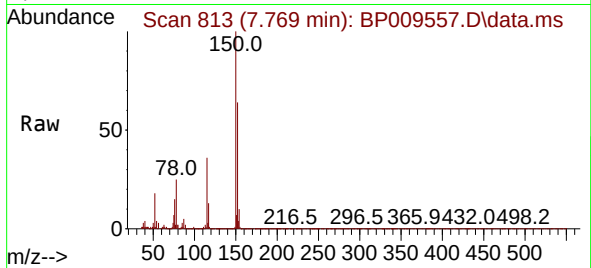
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

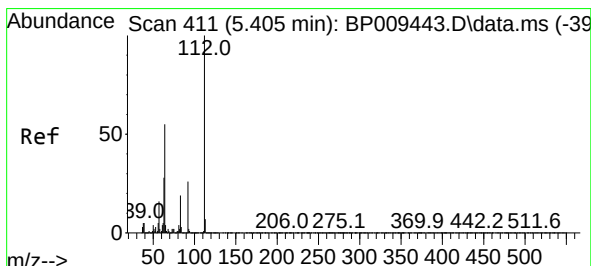
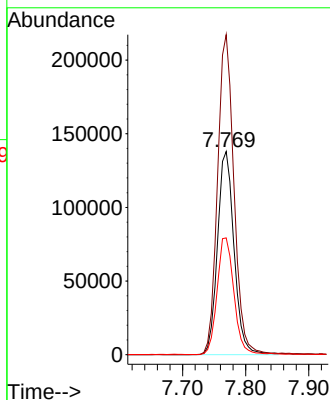
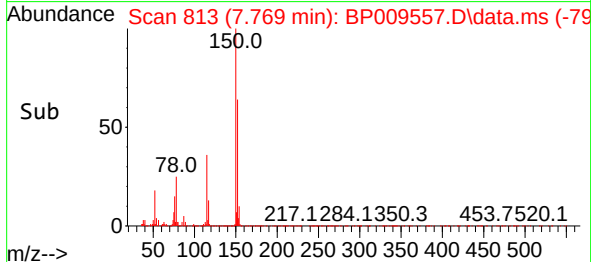
Instrument :
BNA_P
ClientSampleId :
TP-1



Tgt Ion:152 Resp: 252120
Ion Ratio Lower Upper
152 100
150 157.5 124.5 186.7
115 57.5 48.2 72.4

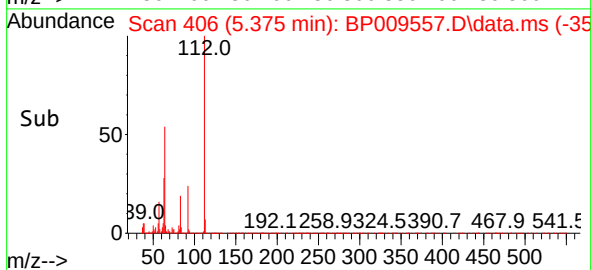
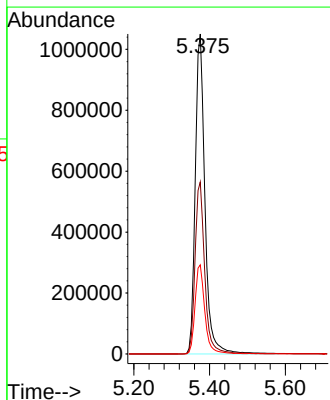
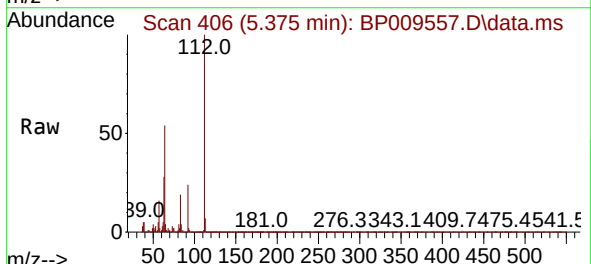
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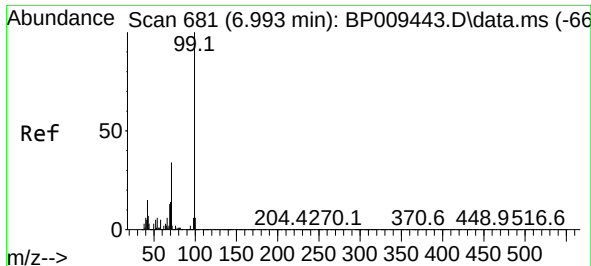
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#5
2-Fluorophenol
Concen: 130.026 ng
RT: 5.375 min Scan# 406
Delta R.T. -0.000 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

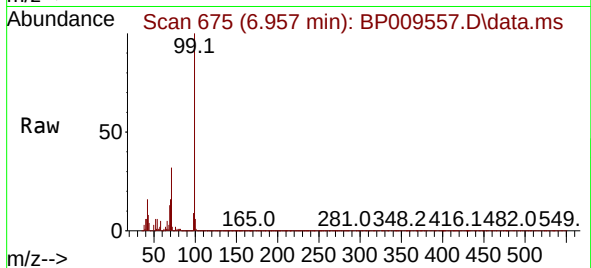
Tgt Ion:112 Resp: 1877679
Ion Ratio Lower Upper
112 100
64 53.8 45.0 67.4
63 27.9 23.0 34.6





#7
Phenol-d6
Concen: 123.129 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

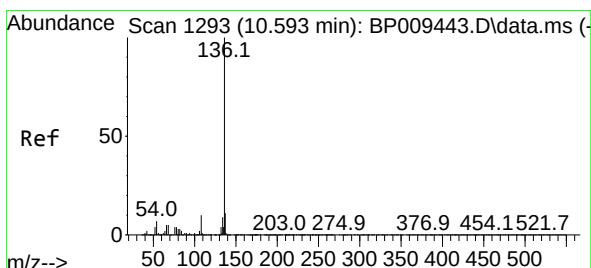
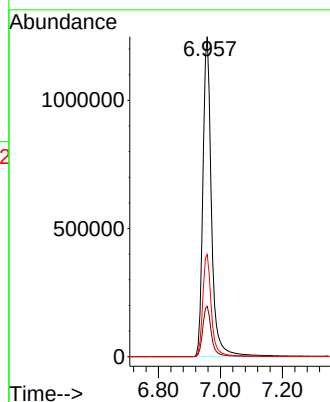
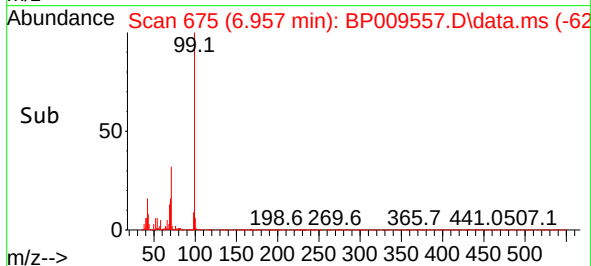
Instrument :
BNA_P
ClientSampleId :
TP-1



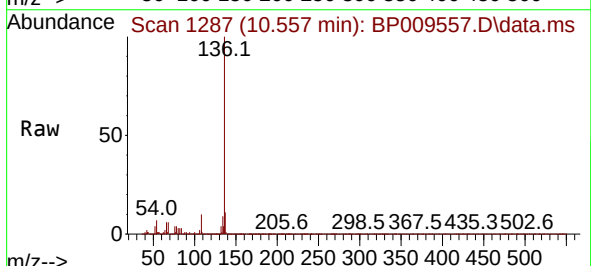
Tgt Ion: 99 Resp: 2404594
Ion Ratio Lower Upper
99 100
42 15.8 12.8 19.2
71 31.9 26.3 39.5

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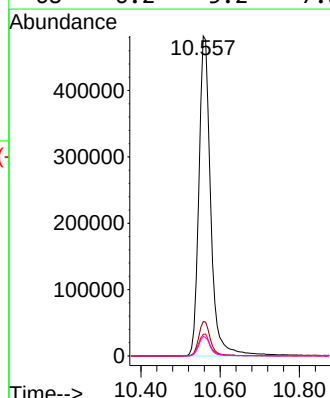
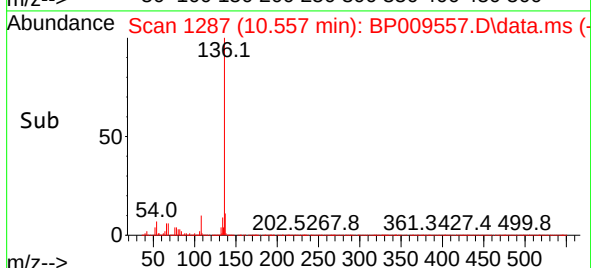
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

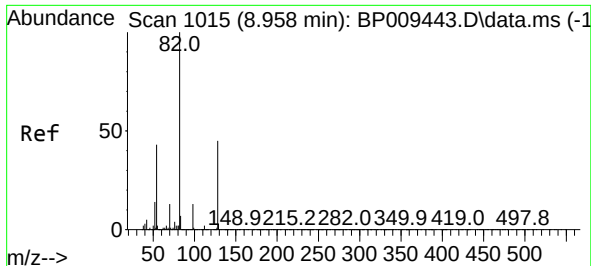


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52



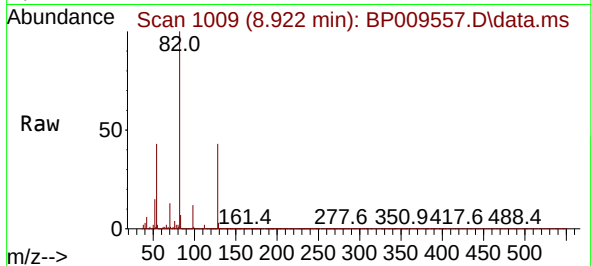
Tgt Ion:136 Resp: 997390
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 6.8 5.8 8.8
68 6.2 5.2 7.8





#23
Nitrobenzene-d5
Concen: 79.607 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

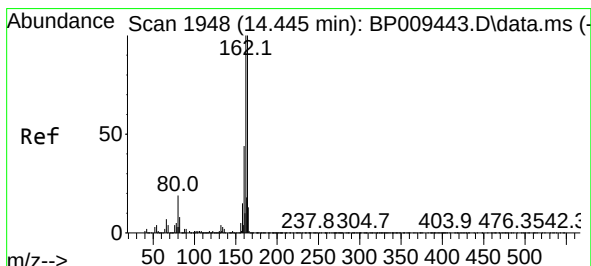
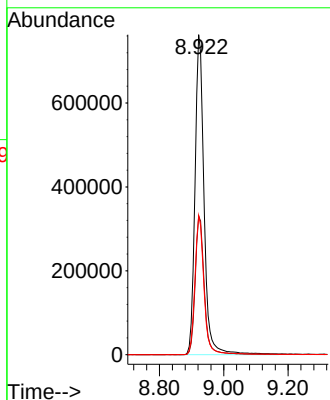
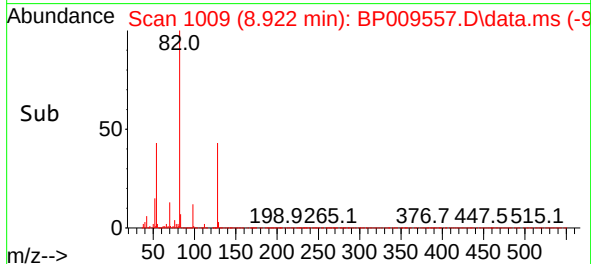
Instrument :
BNA_P
ClientSampleId :
TP-1



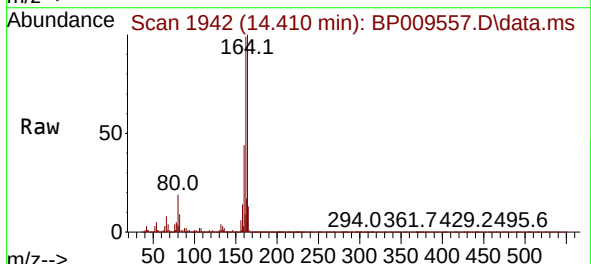
Tgt Ion: 82 Resp: 1494138
Ion Ratio Lower Upper
82 100
128 43.2 34.2 51.4
54 43.5 34.7 52.1

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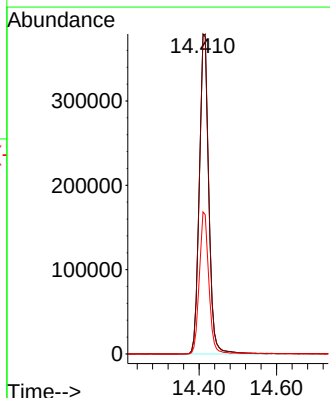
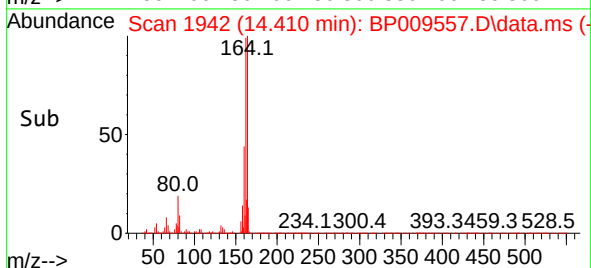
Reviewed By :Christian Giraldo 03/28/2022
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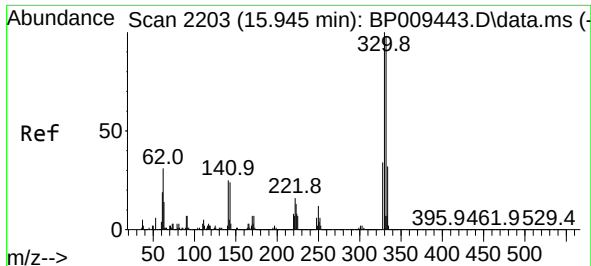


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52



Tgt Ion:164 Resp: 638860
Ion Ratio Lower Upper
164 100
162 99.3 79.1 118.7
160 44.4 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 95.566 ng

RT: 15.916 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BP009557.D

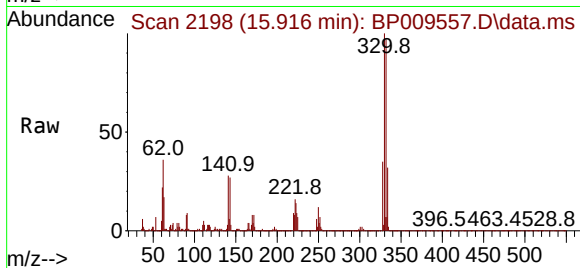
Acq: 25 Mar 2022 17:52

Instrument :

BNA_P

ClientSampleId :

TP-1



Tgt Ion:330 Resp: 1007490

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

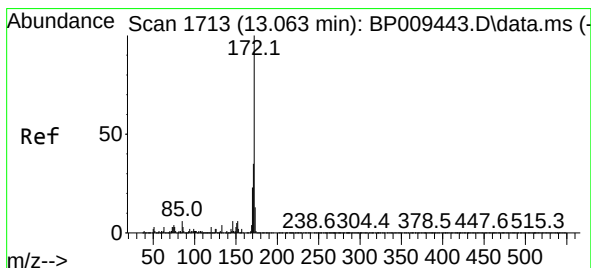
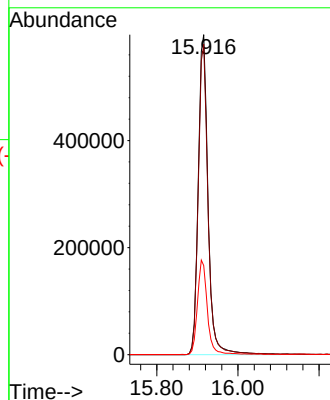
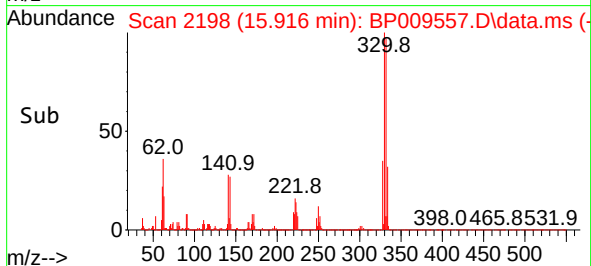
141 29.9 27.6 41.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/28/2022



#45

2-Fluorobiphenyl

Concen: 68.759 ng

RT: 13.034 min Scan# 1708

Delta R.T. -0.006 min

Lab File: BP009557.D

Acq: 25 Mar 2022 17:52

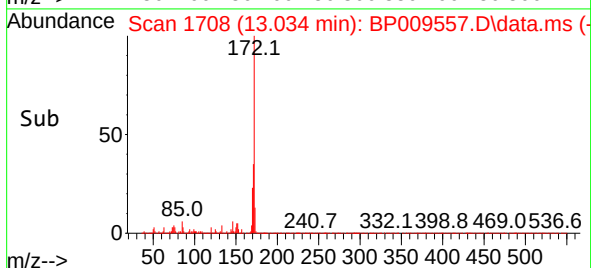
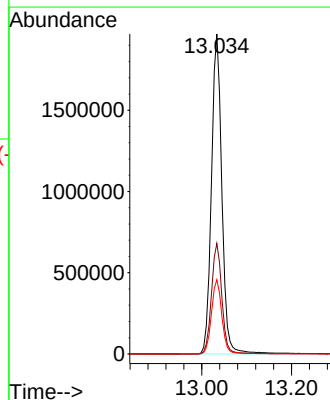
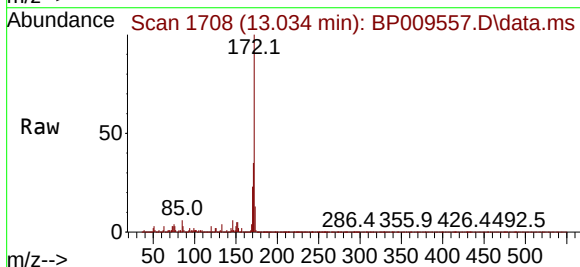
Tgt Ion:172 Resp: 3168676

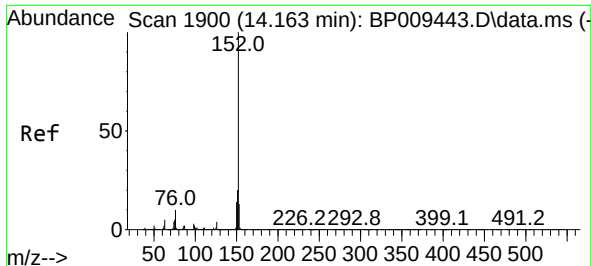
Ion Ratio Lower Upper

172 100

171 34.6 28.0 42.0

170 23.2 18.6 27.8





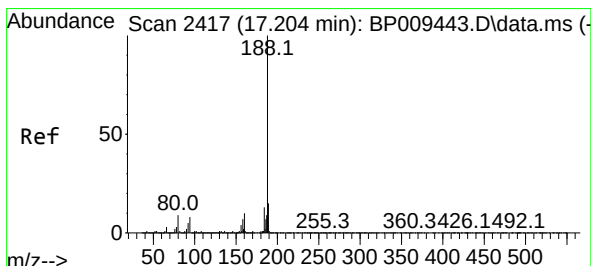
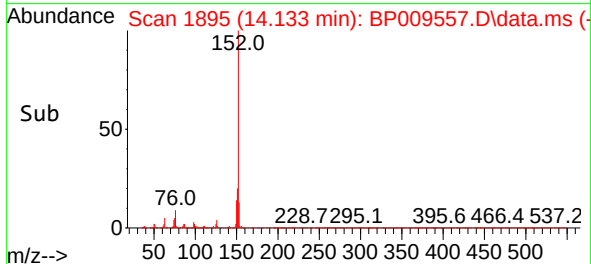
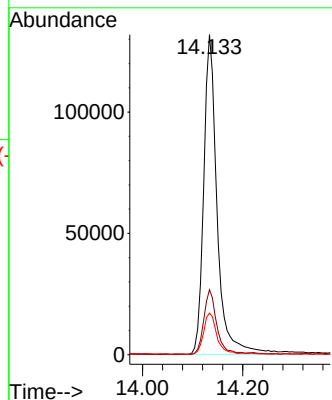
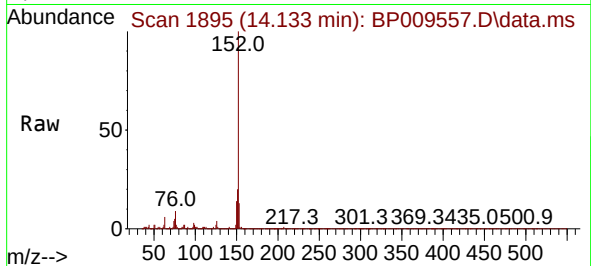
#49
Acenaphthylene
Concen: 4.231 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

Instrument :
BNA_P
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 24508
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 13.0 10.7 16.1

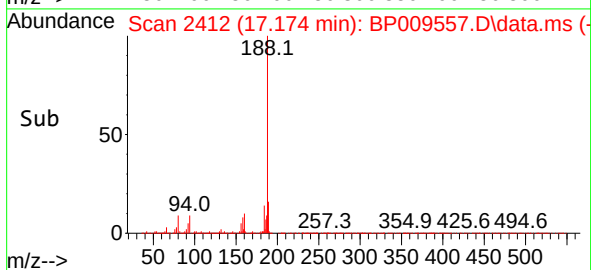
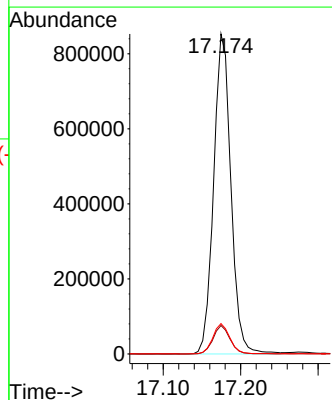
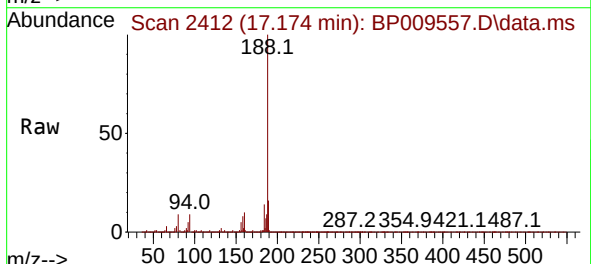
Manual Integrations
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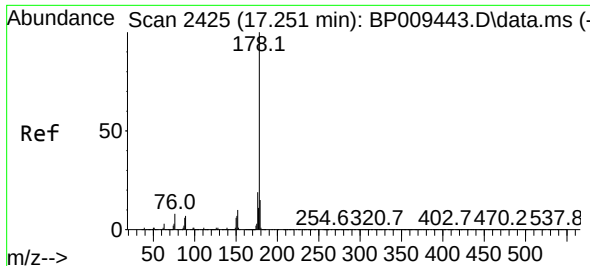
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.174 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

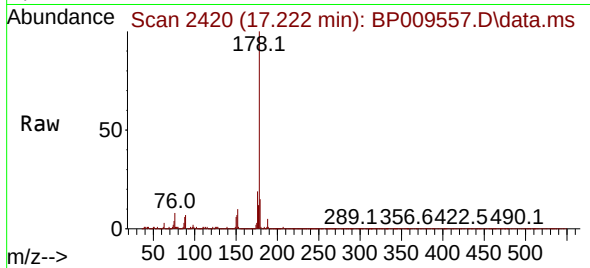
Tgt Ion:188 Resp: 1324170
Ion Ratio Lower Upper
188 100
94 8.9 7.9 11.9
80 9.5 8.8 13.2





#71
Phenanthrene
Concen: 4.424 ng
RT: 17.222 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

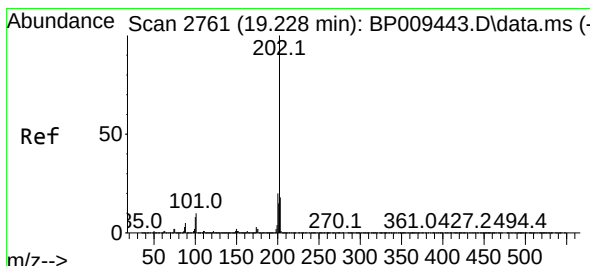
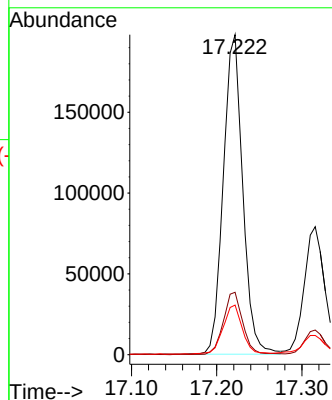
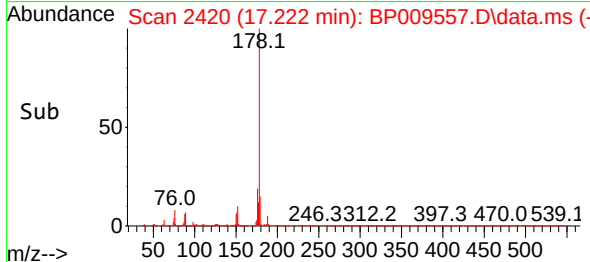
Instrument :
BNA_P
ClientSampleId :
TP-1



Tgt Ion:178 Resp: 31357
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 15.5 12.3 18.5

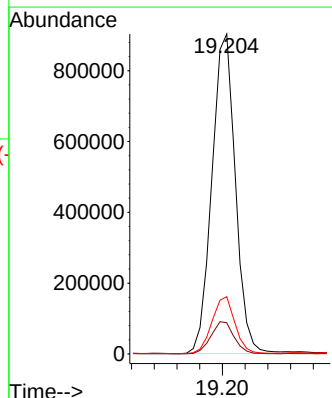
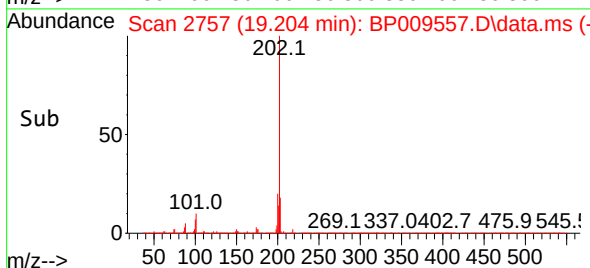
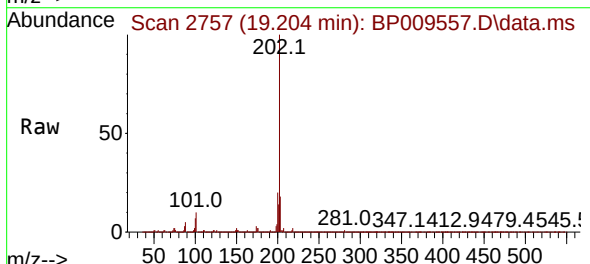
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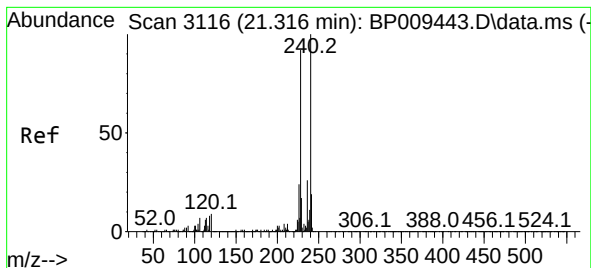
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#75
Fluoranthene
Concen: 15.116 ng
RT: 19.204 min Scan# 2757
Delta R.T. -0.006 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

Tgt Ion:202 Resp: 1297206
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.5
203 17.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.292 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BP009557.D

Acq: 25 Mar 2022 17:52

Instrument :

BNA_P

ClientSampleId :

TP-1

Tgt Ion:240 Resp: 133260

Ion Ratio Lower Upper

240 100

120 9.4 9.0 13.4

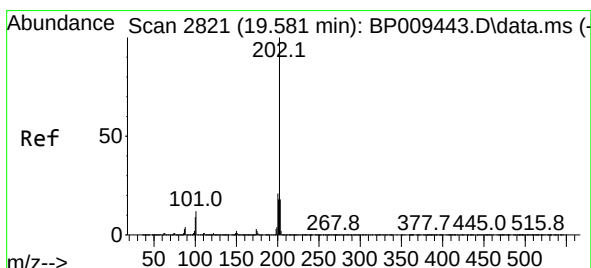
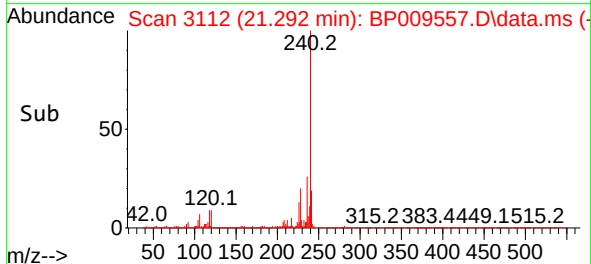
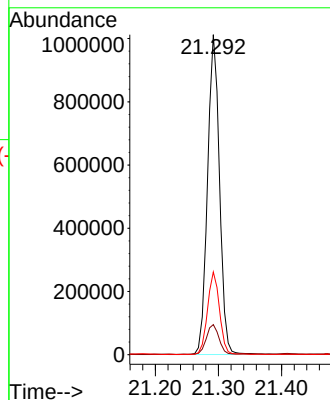
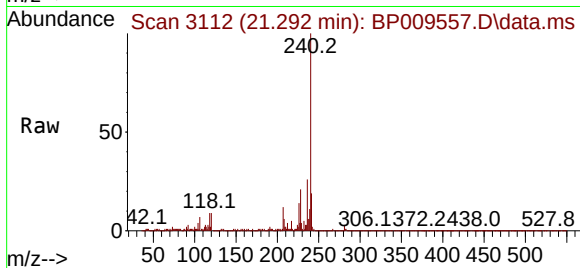
236 25.8 20.6 30.8

Manual Integrations

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#78

Pyrene

Concen: 14.026 ng

RT: 19.557 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP009557.D

Acq: 25 Mar 2022 17:52

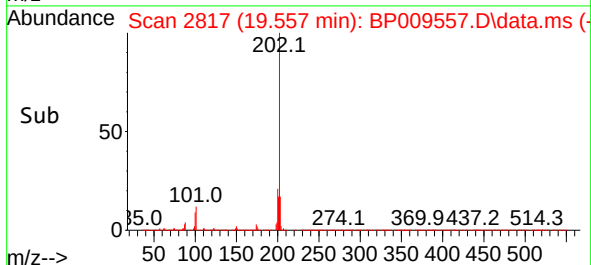
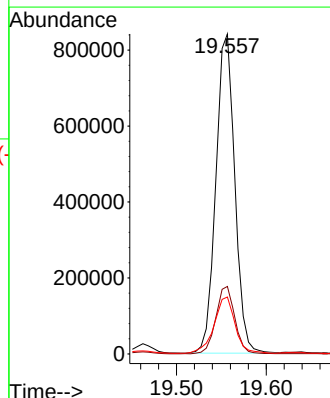
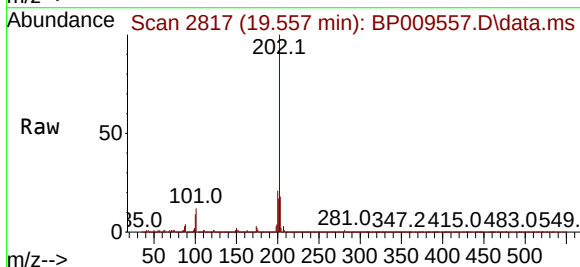
Tgt Ion:202 Resp: 1231695

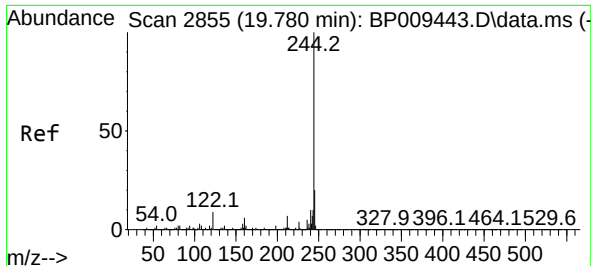
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

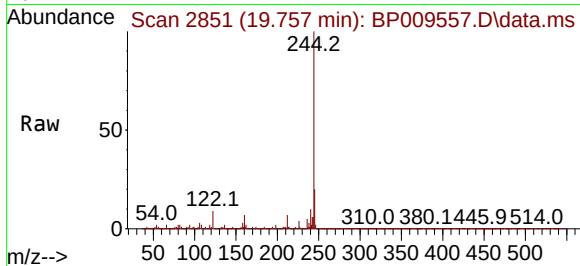
203 17.8 14.2 21.4





#79
 Terphenyl-d14
 Concen: 61.709 ng
 RT: 19.757 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009557.D
 Acq: 25 Mar 2022 17:52

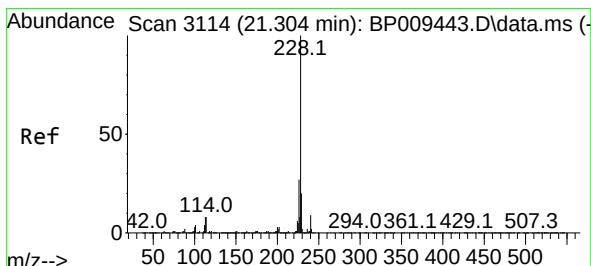
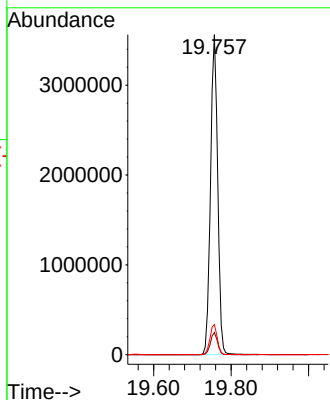
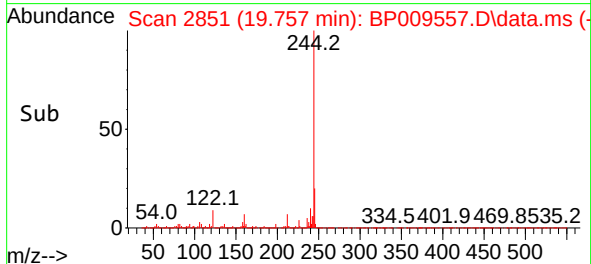
Instrument :
 BNA_P
 ClientSampleId :
 TP-1



Tgt Ion:244 Resp: 4581556
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 9.4 8.3 12.5

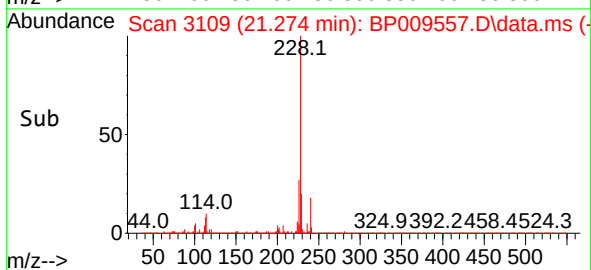
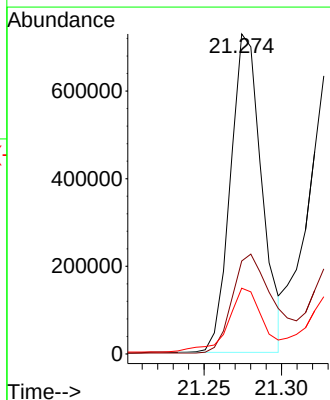
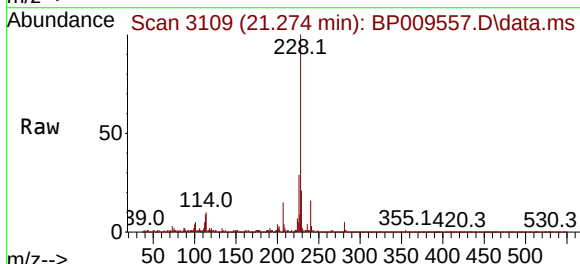
Manual Integrations
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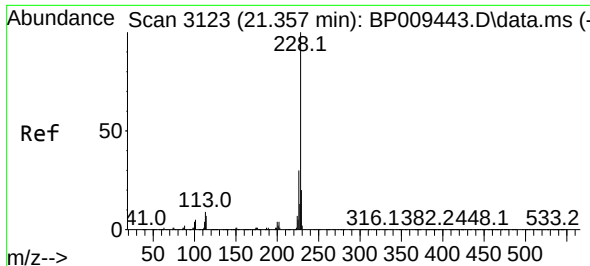
Reviewed By :Christian Giraldo 03/28/2022
 Supervised By :Jagrut Upadhyay 03/28/2022



#81
 Benzo(a)anthracene
 Concen: 11.684 ng
 RT: 21.274 min Scan# 3109
 Delta R.T. -0.012 min
 Lab File: BP009557.D
 Acq: 25 Mar 2022 17:52

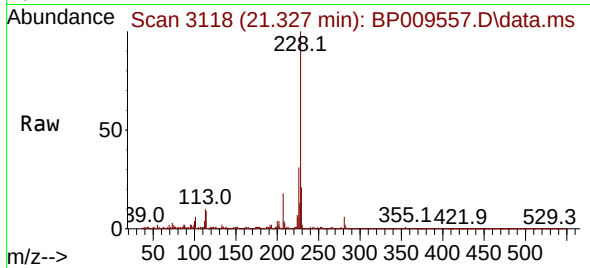
Tgt Ion:228 Resp: 1022906
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.0 33.0
 229 20.6 16.1 24.1





#83
Chrysene
Concen: 11.526 ng
RT: 21.327 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

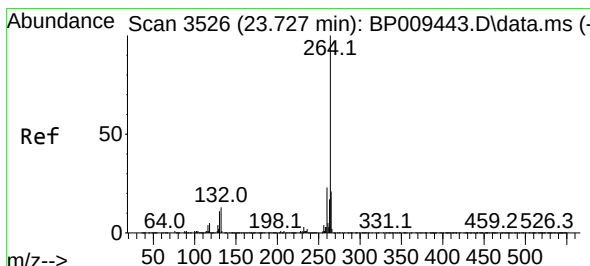
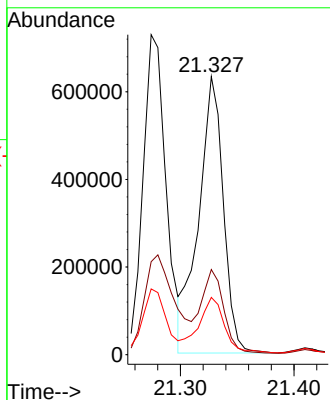
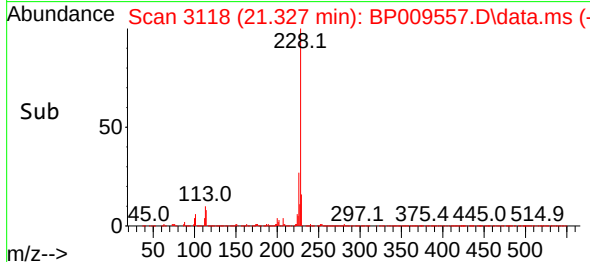
Instrument :
BNA_P
ClientSampleId :
TP-1



Tgt Ion:228 Resp: 955578
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.2
229 20.6 16.1 24.1

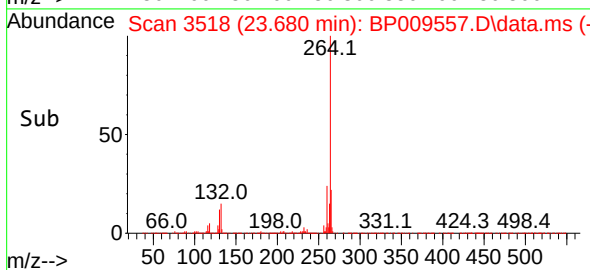
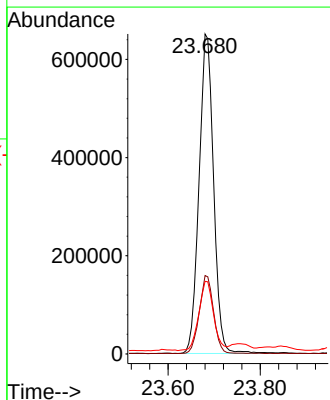
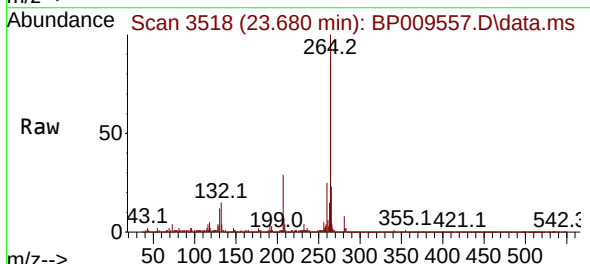
Manual Integrations
APPROVED

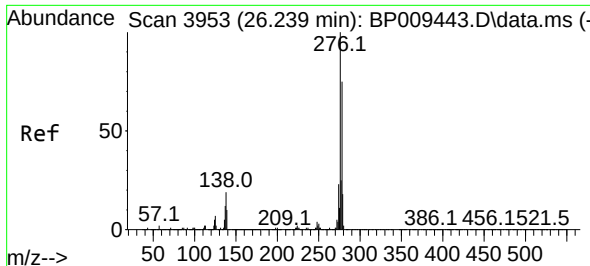
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.680 min Scan# 3518
Delta R.T. -0.012 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

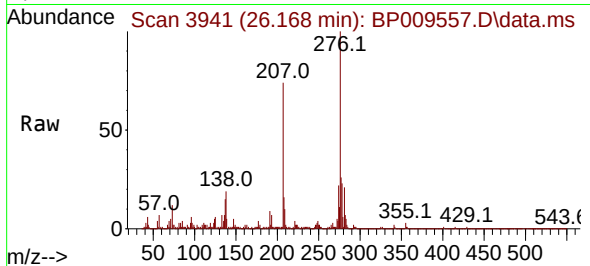
Tgt Ion:264 Resp: 1432859
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.0
265 22.7 17.2 25.8





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.404 ng
 RT: 26.168 min Scan# 3941
 Delta R.T. -0.030 min
 Lab File: BP009557.D
 Acq: 25 Mar 2022 17:52

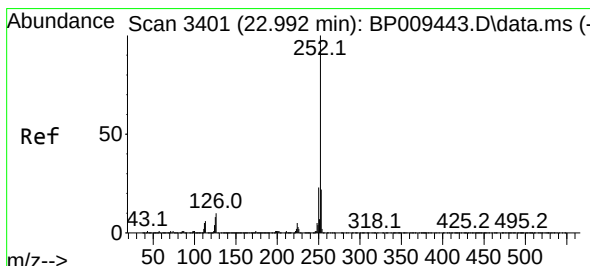
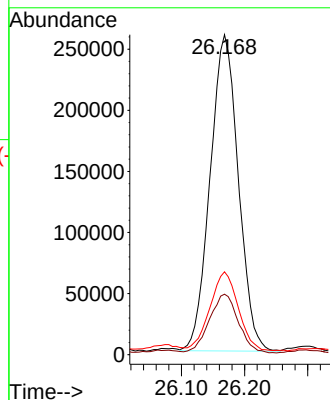
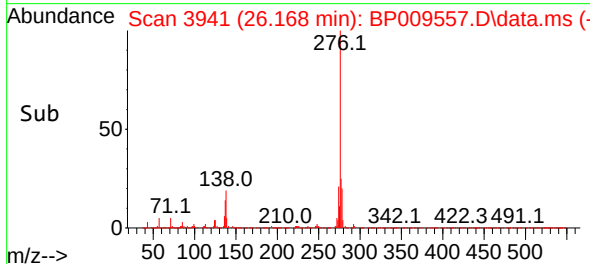
Instrument :
 BNA_P
 ClientSampleId :
 TP-1



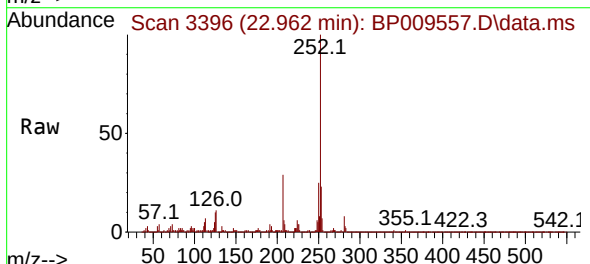
Tgt Ion:276 Resp: 804818
 Ion Ratio Lower Upper
 276 100
 138 19.0 20.5 30.7
 277 24.8 20.4 30.6

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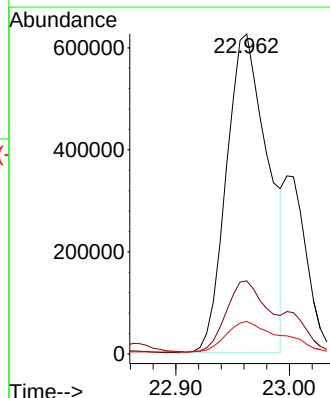
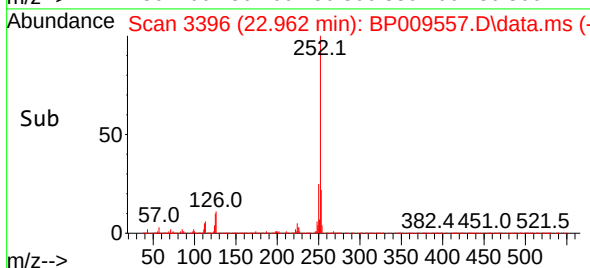
Reviewed By :Christian Giraldo 03/28/2022
 Supervised By :Jagrut Upadhyay 03/28/2022

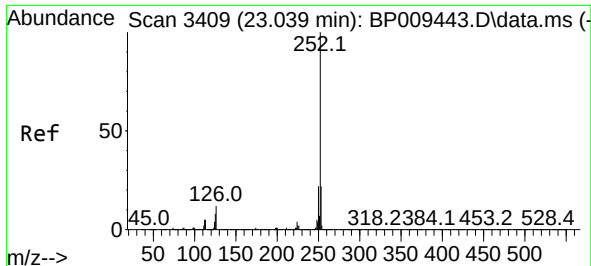


#88
 Benzo(b)fluoranthene
 Concen: 18.633 ng
 RT: 22.962 min Scan# 3396
 Delta R.T. -0.000 min
 Lab File: BP009557.D
 Acq: 25 Mar 2022 17:52



Tgt Ion:252 Resp: 1593817
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.8 26.8
 125 10.2 8.1 12.1





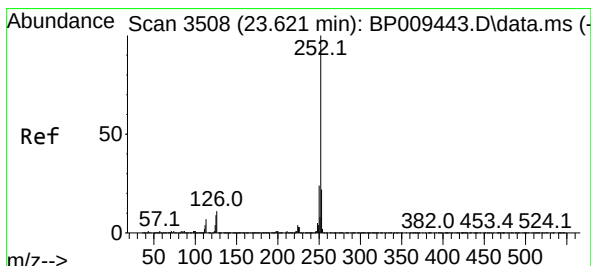
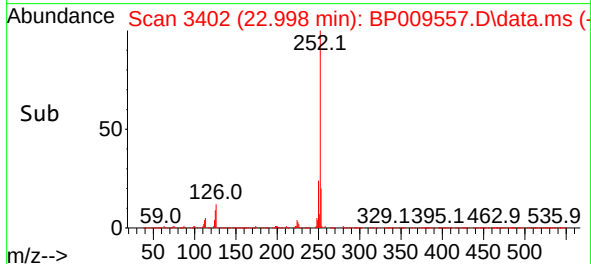
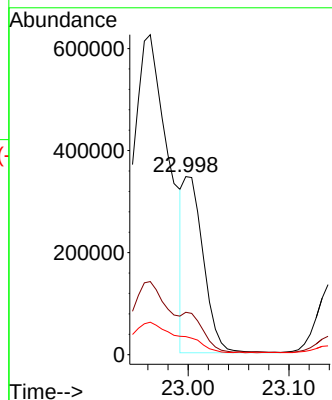
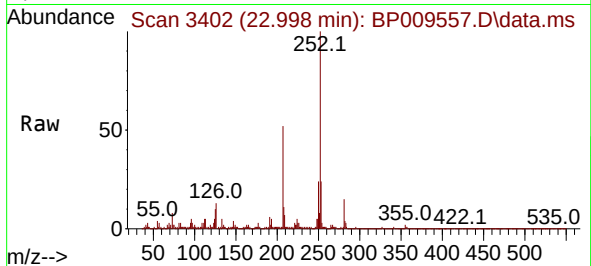
#89
Benzo(k)fluoranthene
Concen: 5.632 ng m
RT: 22.998 min Scan# 3409
Delta R.T. -0.012 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

Instrument :
BNA_P
ClientSampleId :
TP-1

Tgt Ion:252 Resp: 471709
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 10.2 8.3 12.5

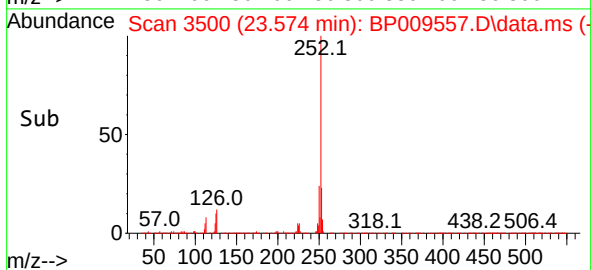
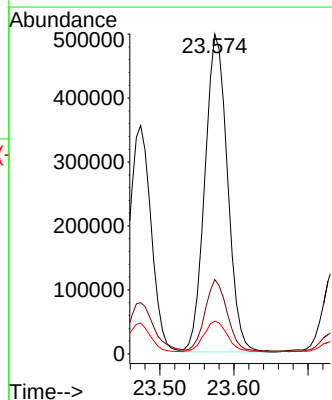
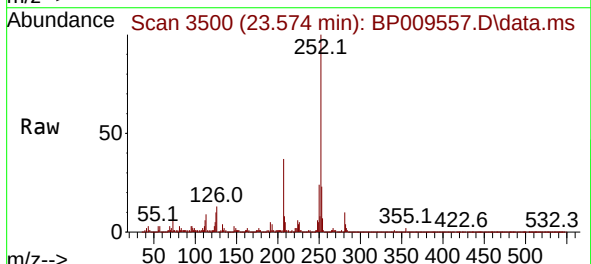
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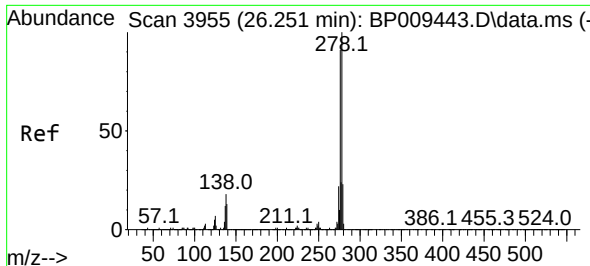
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#90
Benzo(a)pyrene
Concen: 14.390 ng
RT: 23.574 min Scan# 3508
Delta R.T. -0.012 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

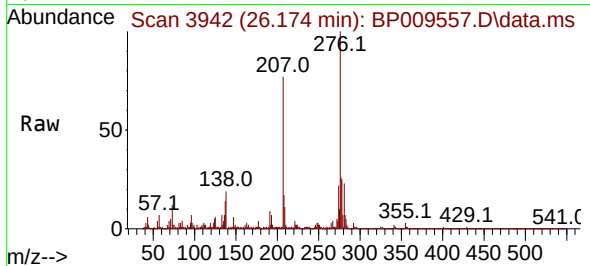
Tgt Ion:252 Resp: 1053088
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 10.3 9.3 13.9





#91
Dibenzo(a,h)anthracene
Concen: 2.348 ng m
RT: 26.174 min Scan# 3955
Delta R.T. -0.036 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52

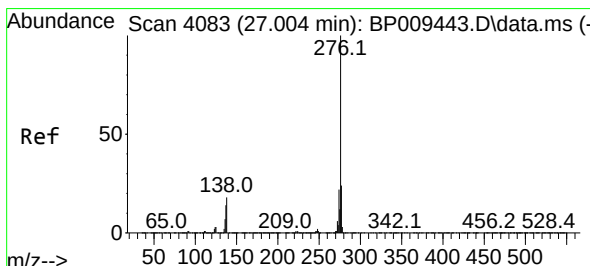
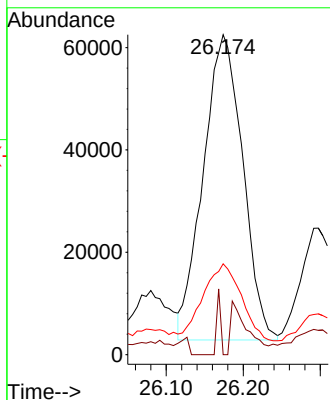
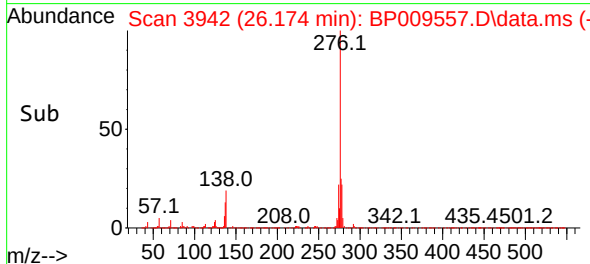
Instrument :
BNA_P
ClientSampleId :
TP-1



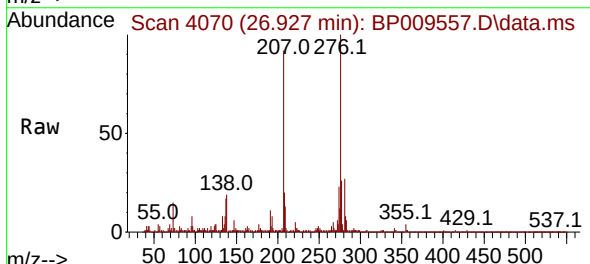
Tgt Ion:278 Resp: 21270
Ion Ratio Lower Upper
278 100
139 0.0 13.2 19.8
279 28.4 19.2 28.8

Manual Integrations
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Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#92
Benzo(g,h,i)perylene
Concen: 8.679 ng
RT: 26.927 min Scan# 4070
Delta R.T. -0.024 min
Lab File: BP009557.D
Acq: 25 Mar 2022 17:52



Tgt Ion:276 Resp: 773501
Ion Ratio Lower Upper
276 100
277 25.5 19.2 28.8
138 18.9 18.0 27.0

