

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031522\
 Data File : BP009416.D
 Acq On : 16 Mar 2022 01:16
 Operator : CG/JU
 Sample : N1894-04 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP4(0-7)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/16/2022
 Supervised By : Jagrut Upadhyay 03/16/2022

Quant Time: Mar 16 01:59:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 01:55:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	336625	20.000	ng	-0.01
21) Naphthalene-d8	10.604	136	1319455	20.000	ng	-0.01
39) Acenaphthene-d10	14.457	164	861562	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	1790115	20.000	ng	0.00
76) Chrysene-d12	21.327	240	1775352	20.000	ng	0.00
86) Perylene-d12	23.745	264	2064034	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	885752	38.408	ng	0.01
7) Phenol-d6	7.010	99	1079268	36.827	ng	0.02
23) Nitrobenzene-d5	8.969	82	687525	28.700	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	593297	57.029	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	1626974	25.969	ng	-0.01
79) Terphenyl-d14	19.792	244	2349927	24.979	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.175	152	1156148	14.044	ng	99
55) Dibenzofuran	14.857	168	201783	2.525	ng	99
58) Fluorene	15.504	166	159425	2.547	ng	# 95
71) Phenanthrene	17.257	178	4834862	46.996	ng	100
72) Anthracene	17.351	178	1034732	10.105	ng	100
73) Carbazole	17.628	167	545172	5.843	ng	99
75) Fluoranthene	19.239	202	8786796	73.997	ng	97
78) Pyrene	19.592	202	6839279	57.057	ng	99
81) Benzo(a)anthracene	21.316	228	3594936m	29.875	ng	
83) Chrysene	21.363	228	3651175	31.252	ng	98
84) Bis(2-ethylhexyl)phtha...	21.245	149	204938	2.962	ng	# 98
87) Indeno(1,2,3-cd)pyrene	26.262	276	2910917	18.152	ng	# 91
88) Benzo(b)fluoranthene	23.015	252	5530329m	39.684	ng	
89) Benzo(k)fluoranthene	23.051	252	1634414m	12.276	ng	
90) Benzo(a)pyrene	23.639	252	3320112m	25.119	ng	
91) Dibenzo(a,h)anthracene	26.268	278	727326	5.349	ng	# 79
92) Benzo(g,h,i)perylene	27.039	276	2768352	20.608	ng	# 94

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

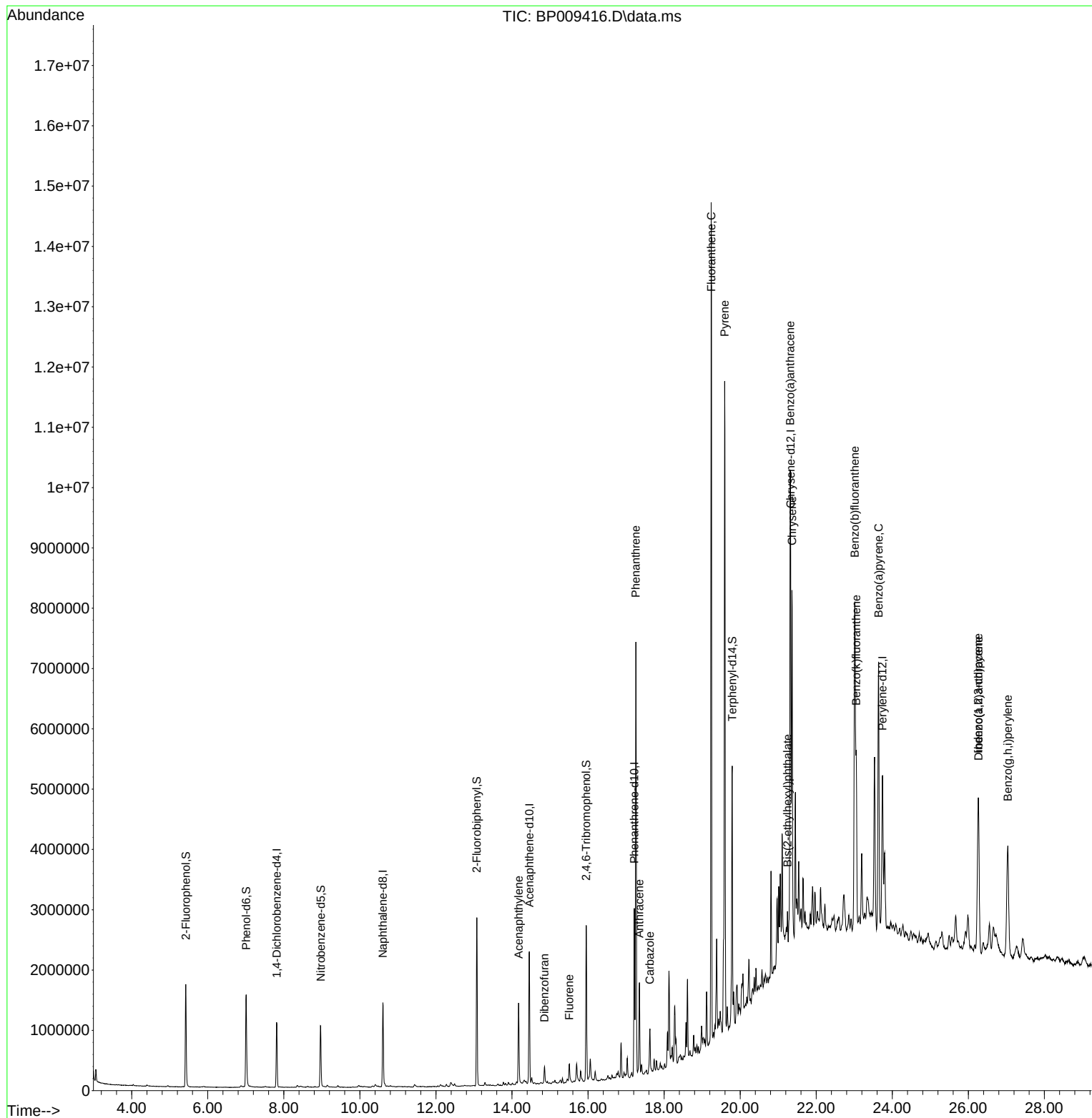
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031522\
Data File : BP009416.D
Acq On : 16 Mar 2022 01:16
Operator : CG/JU
Sample : N1894-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

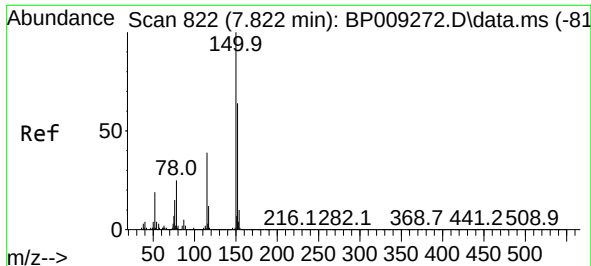
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)

Quant Time: Mar 16 01:59:53 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 05 01:55:59 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

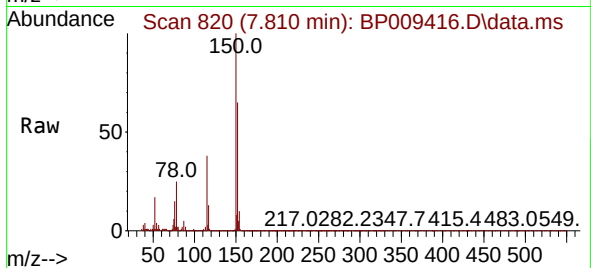
Reviewed By : Christian Giraldo 03/16/2022
Supervised By : Jagrut Upadhyay 03/16/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

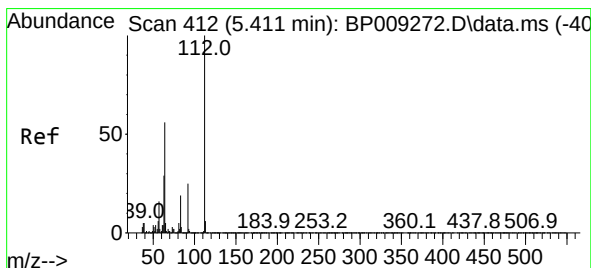
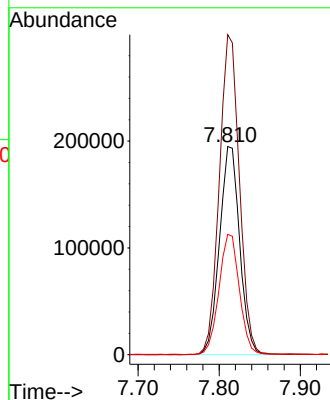
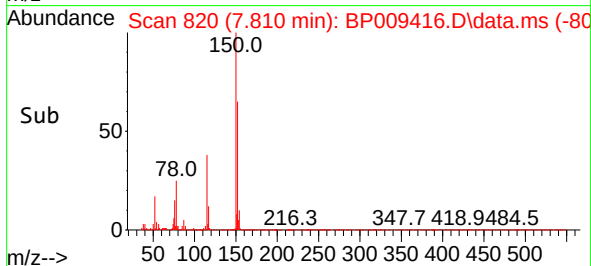
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)



Tgt Ion:152 Resp: 33662
Ion Ratio Lower Upper
152 100
150 153.7 124.5 186.7
115 57.8 48.2 72.4

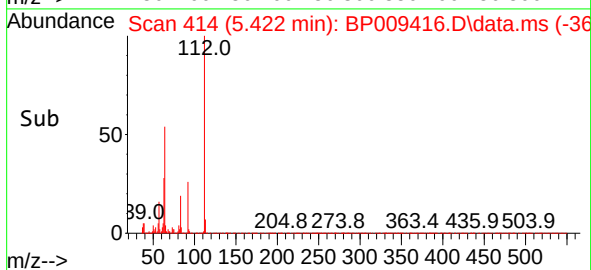
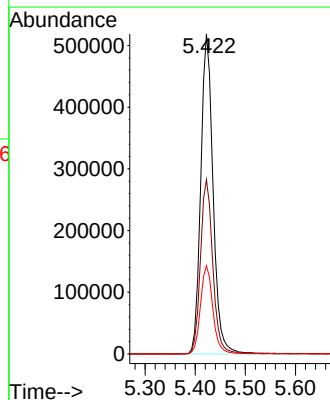
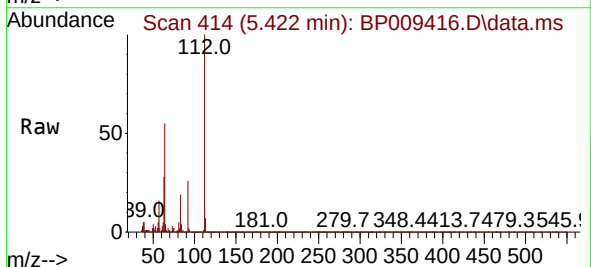
Manual Integrations
APPROVED

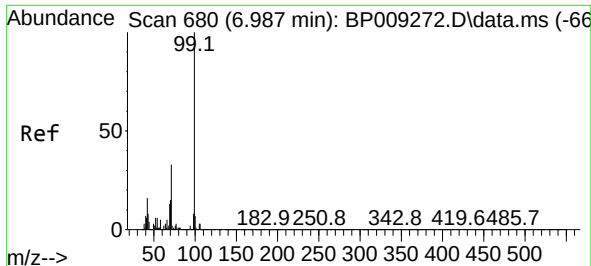
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#5
2-Fluorophenol
Concen: 38.408 ng
RT: 5.422 min Scan# 414
Delta R.T. 0.011 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

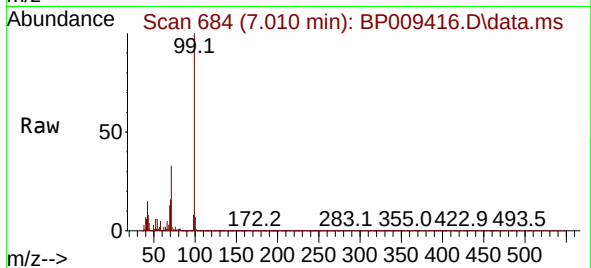
Tgt Ion:112 Resp: 885752
Ion Ratio Lower Upper
112 100
64 54.5 45.0 67.4
63 27.6 23.0 34.6





#7
Phenol-d6
Concen: 36.827 ng
RT: 7.010 min Scan# 60
Delta R.T. 0.023 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

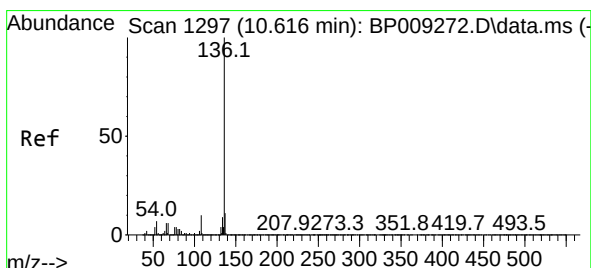
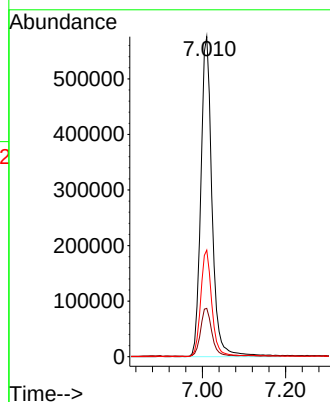
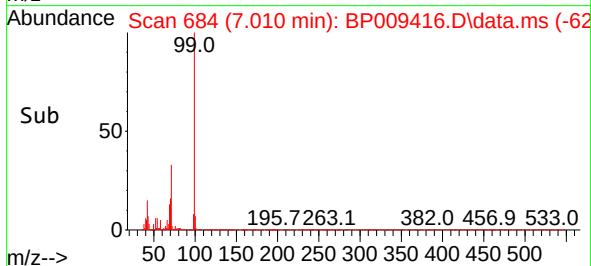
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)



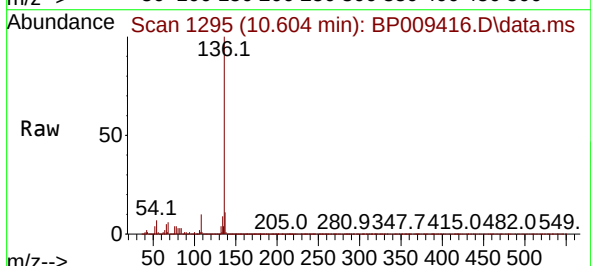
Tgt Ion: 99 Resp: 107926
Ion Ratio Lower Upper
99 100
42 15.1 12.8 19.2
71 33.3 26.3 39.5

Manual Integrations
APPROVED

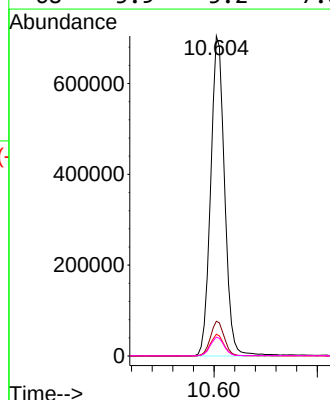
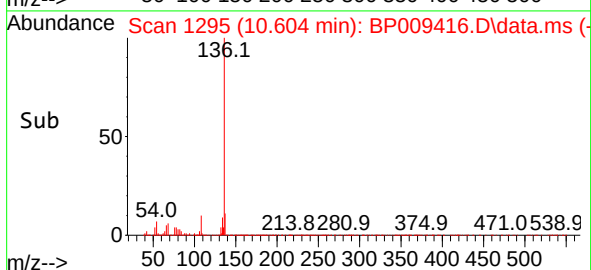
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022

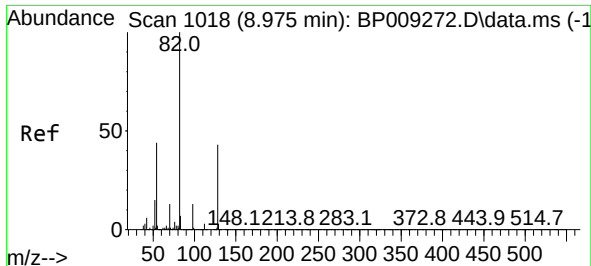


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16



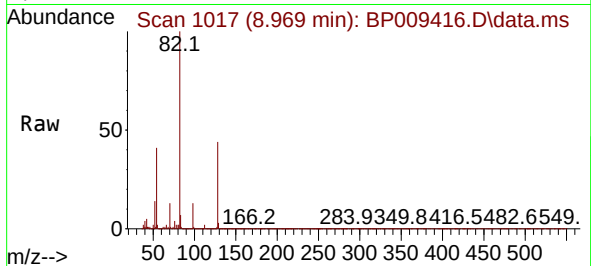
Tgt Ion:136 Resp: 1319455
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.8 5.8 8.8
68 5.9 5.2 7.8





#23
Nitrobenzene-d5
Concen: 28.700 ng
RT: 8.969 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

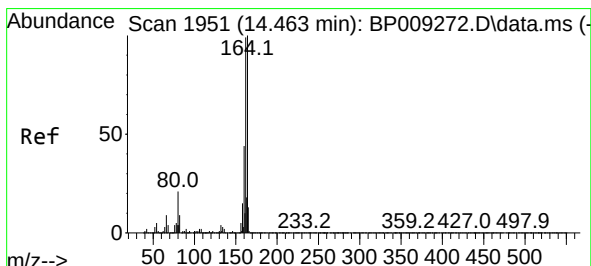
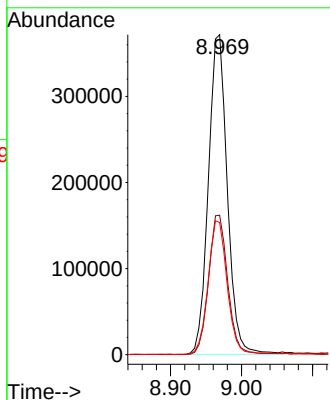
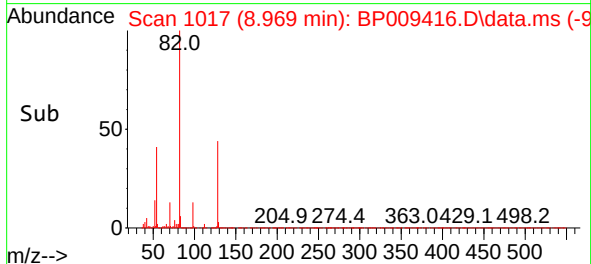
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)



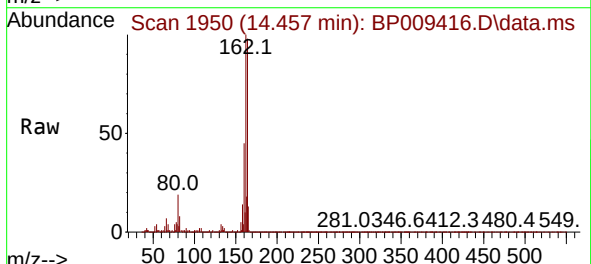
Tgt Ion: 82 Resp: 68752
Ion Ratio Lower Upper
82 100
128 43.6 34.2 51.4
54 41.3 34.7 52.1

Manual Integrations
APPROVED

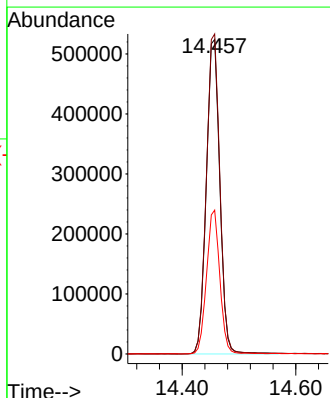
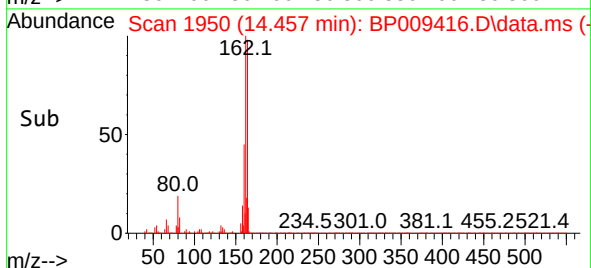
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022

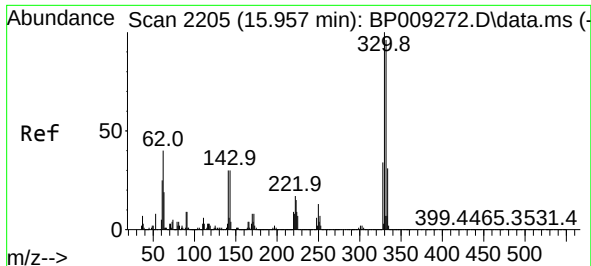


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16



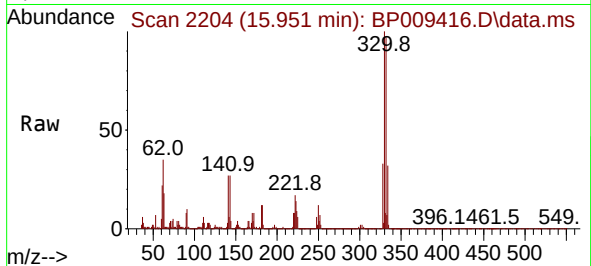
Tgt Ion:164 Resp: 861562
Ion Ratio Lower Upper
164 100
162 101.7 79.1 118.7
160 45.8 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 57.029 ng
RT: 15.951 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

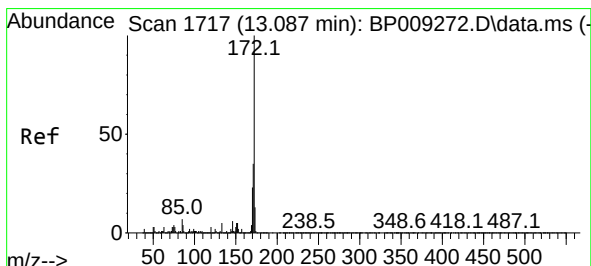
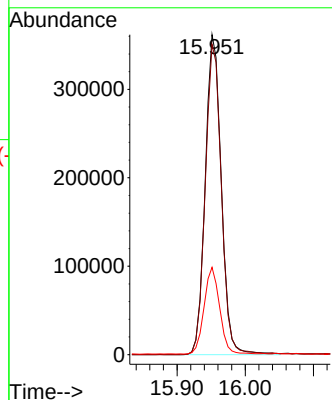
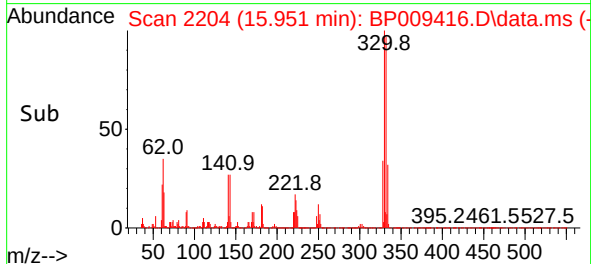
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)



Tgt Ion:330 Resp: 593297
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.6
141 26.0 27.6 41.4

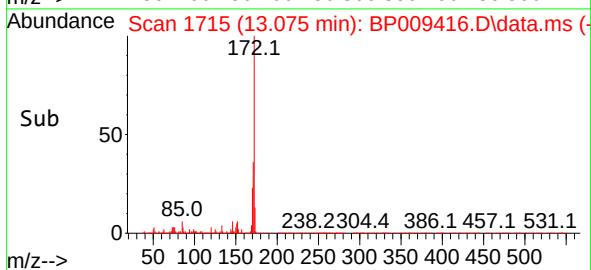
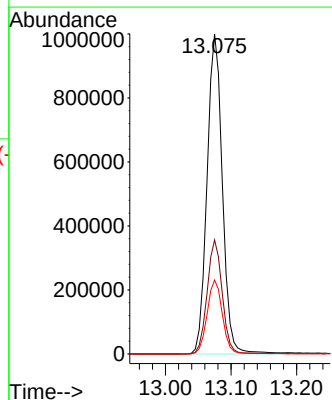
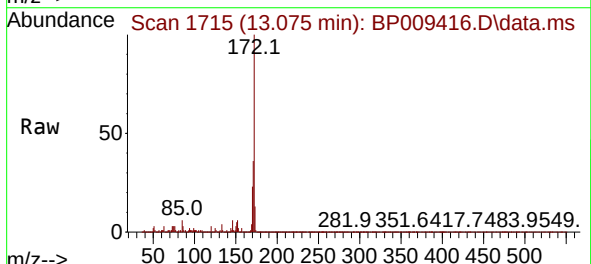
Manual Integrations
APPROVED

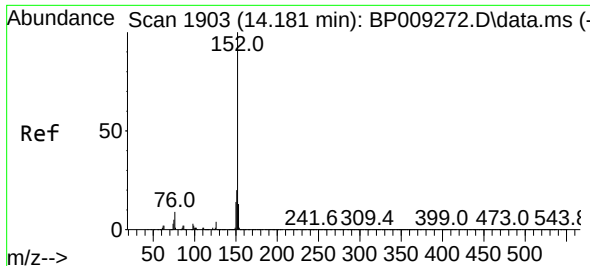
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#45
2-Fluorobiphenyl
Concen: 25.969 ng
RT: 13.075 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

Tgt Ion:172 Resp: 1626974
Ion Ratio Lower Upper
172 100
171 35.7 28.0 42.0
170 23.1 18.6 27.8





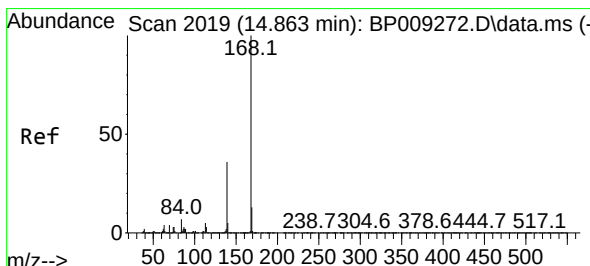
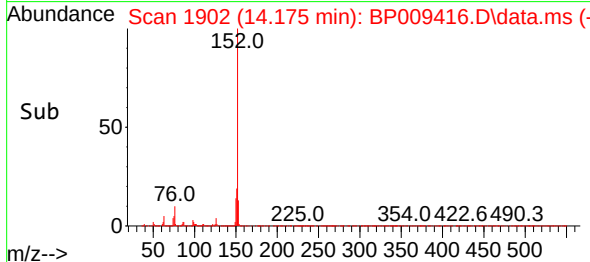
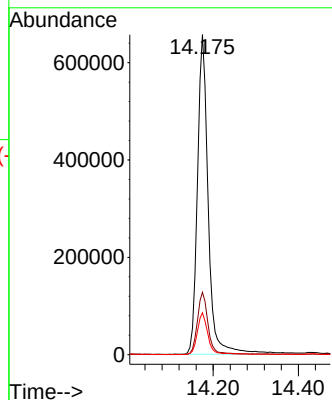
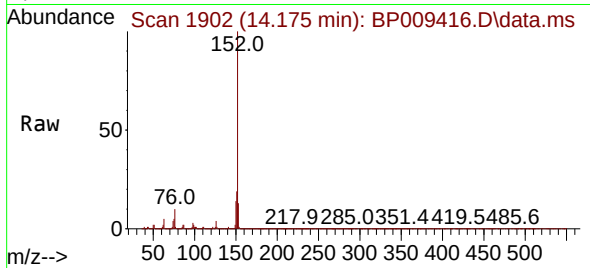
#49
Acenaphthylene
Concen: 14.044 ng
RT: 14.175 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

Instrument :
BNA_P
ClientSampleId :
TP4(0-7)

Tgt Ion:152 Resp: 115614
Ion Ratio Lower Upper
152 100
151 19.5 15.9 23.9
153 13.1 10.7 16.1

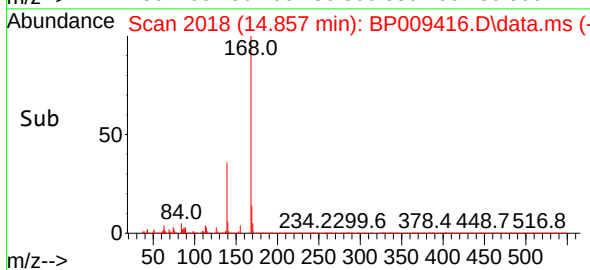
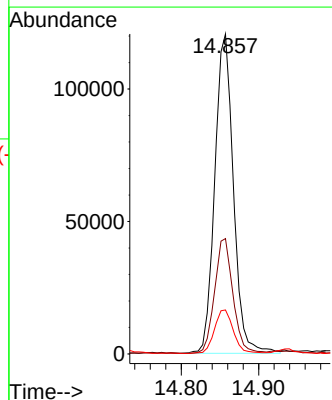
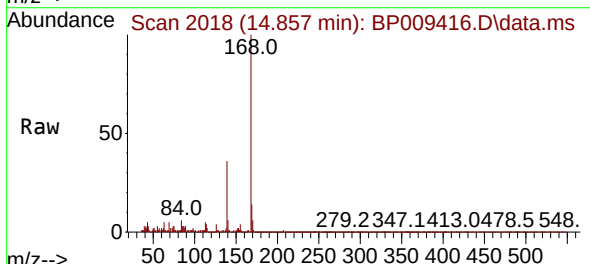
Manual Integrations
APPROVED

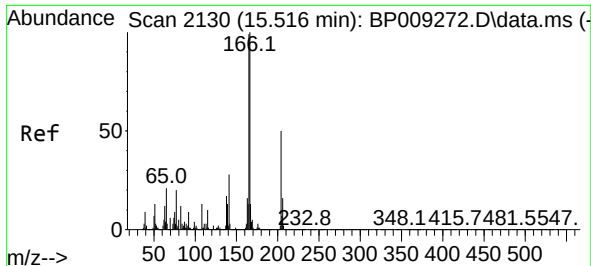
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#55
Dibenzofuran
Concen: 2.525 ng
RT: 14.857 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

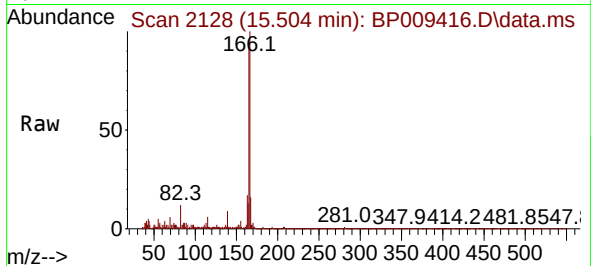
Tgt Ion:168 Resp: 201783
Ion Ratio Lower Upper
168 100
139 36.1 29.1 43.7
169 13.7 10.6 16.0





#58
Fluorene
Concen: 2.547 ng
RT: 15.504 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

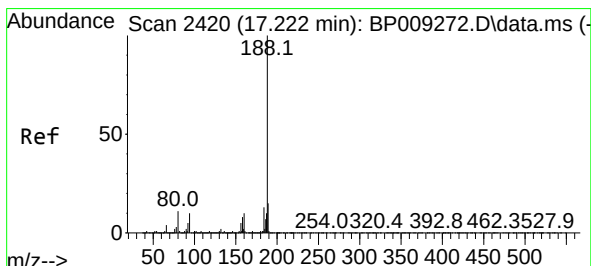
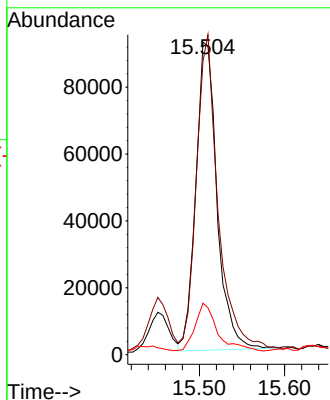
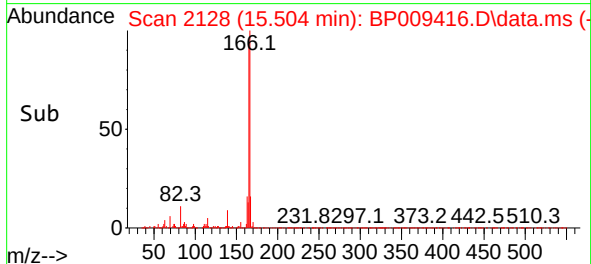
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)



Tgt Ion:166 Resp: 159425
Ion Ratio Lower Upper
166 100
165 94.0 79.2 118.8
167 16.5 10.7 16.1

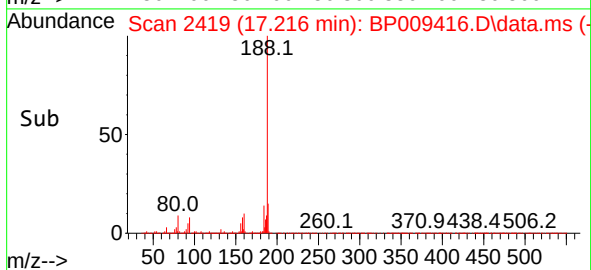
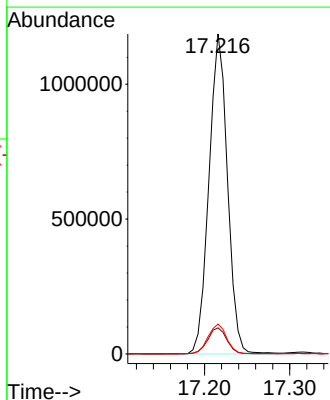
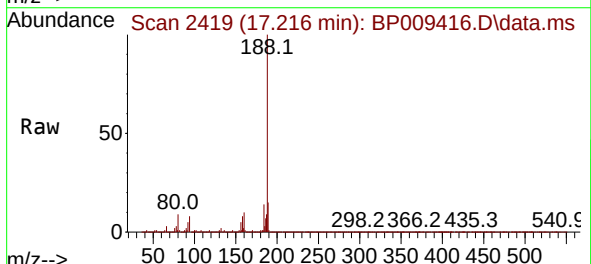
Manual Integrations
APPROVED

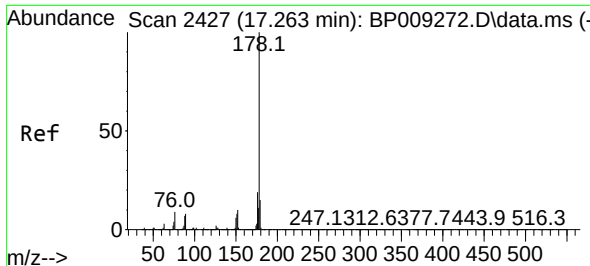
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

Tgt Ion:188 Resp: 1790115
Ion Ratio Lower Upper
188 100
94 8.2 7.9 11.9
80 9.4 8.8 13.2





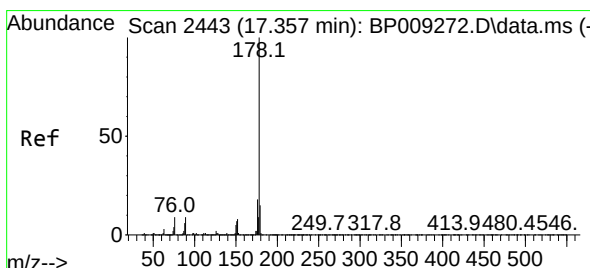
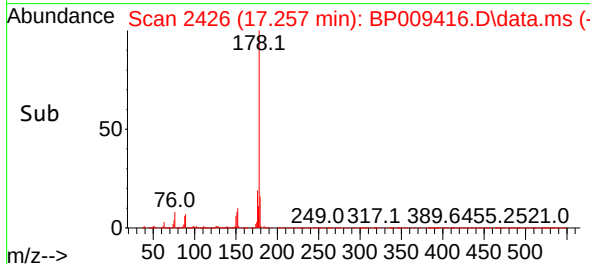
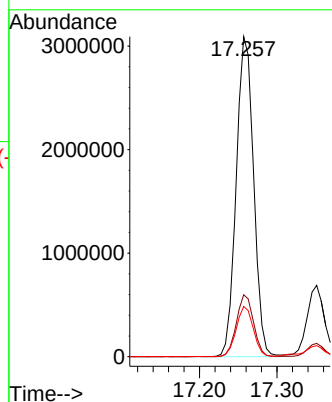
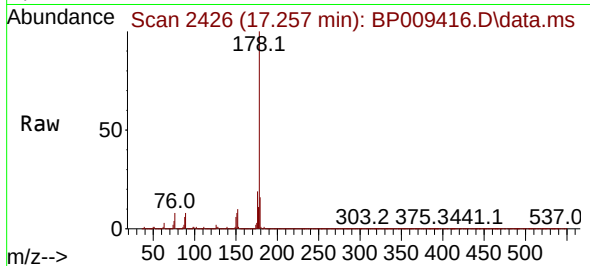
#71
Phenanthrene
Concen: 46.996 ng
RT: 17.257 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

Instrument :
BNA_P
ClientSampleId :
TP4(0-7)

Tgt Ion:178 Resp: 483486
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.7 12.3 18.5

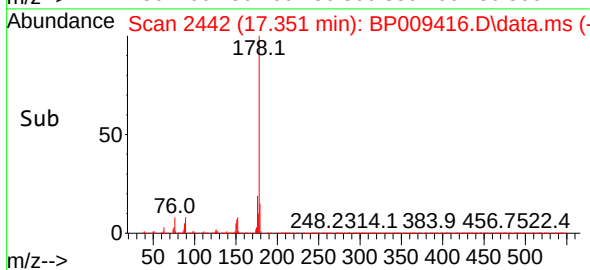
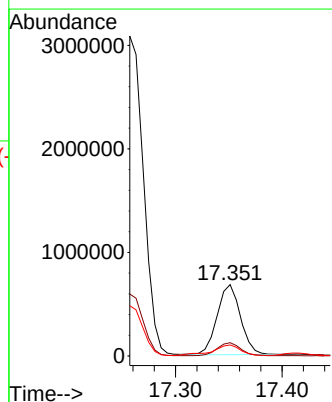
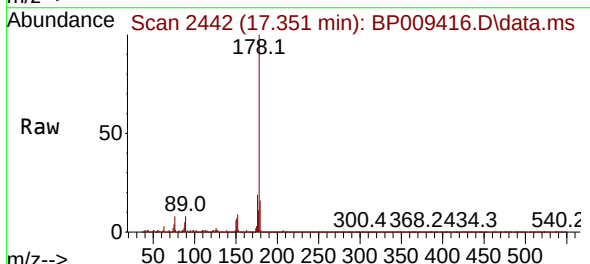
Manual Integrations
APPROVED

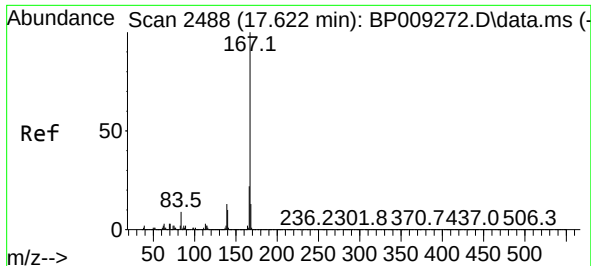
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#72
Anthracene
Concen: 10.105 ng
RT: 17.351 min Scan# 2442
Delta R.T. -0.006 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

Tgt Ion:178 Resp: 1034732
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 15.6 12.2 18.4





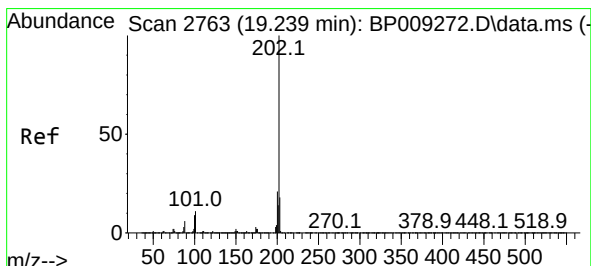
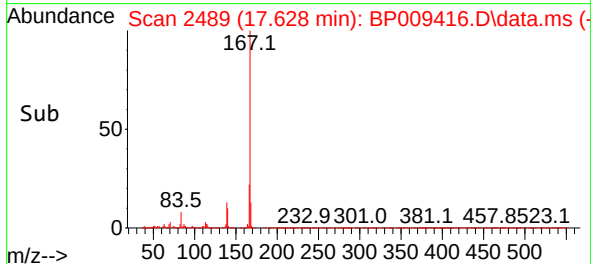
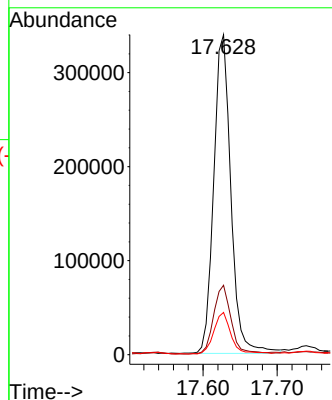
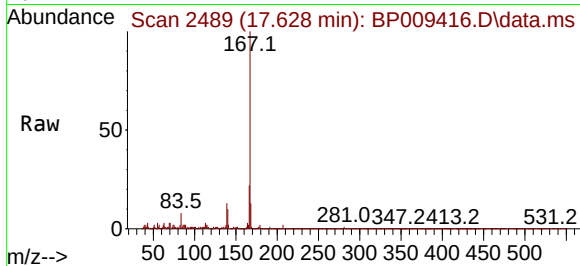
#73
 Carbazole
 Concen: 5.843 ng
 RT: 17.628 min Scan# 2489
 Delta R.T. 0.006 min
 Lab File: BP009416.D
 Acq: 16 Mar 2022 01:16

Instrument :
 BNA_P
 ClientSampleId :
 TP4(0-7)

Tgt Ion:167 Resp: 545172
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.2 25.8
 139 13.2 10.3 15.5

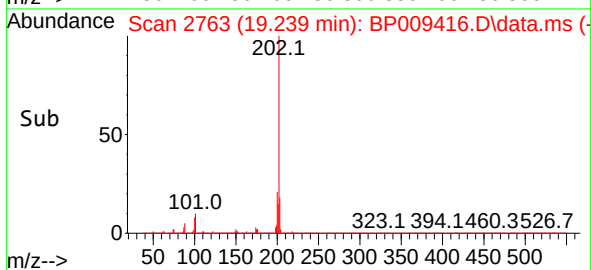
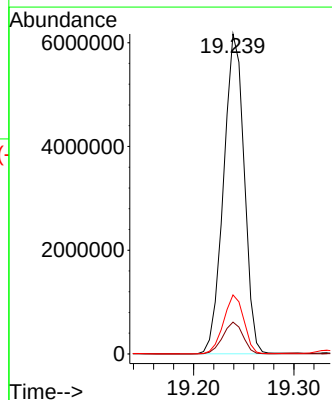
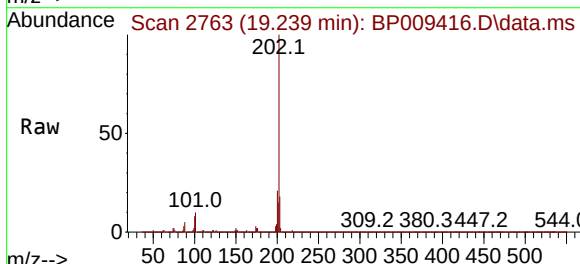
Manual Integrations
 APPROVED

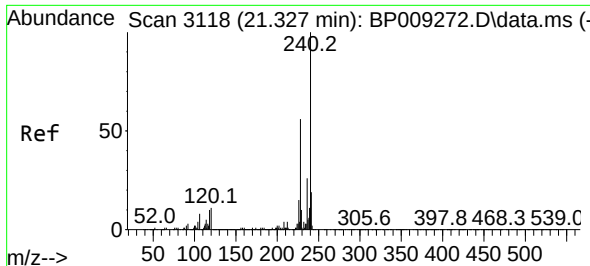
Reviewed By :Christian Giraldo 03/16/2022
 Supervised By :Jagrut Upadhyay 03/16/2022



#75
 Fluoranthene
 Concen: 73.997 ng
 RT: 19.239 min Scan# 2763
 Delta R.T. -0.000 min
 Lab File: BP009416.D
 Acq: 16 Mar 2022 01:16

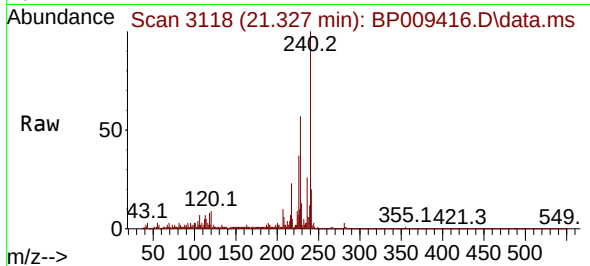
Tgt Ion:202 Resp: 8786796
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 31.5
 203 18.5 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.000 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

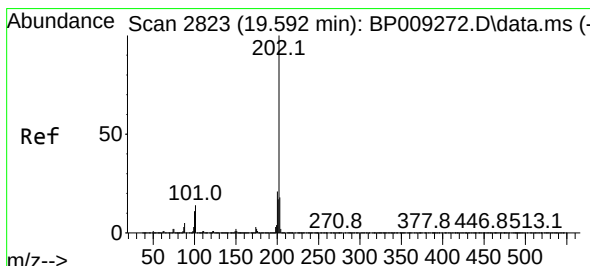
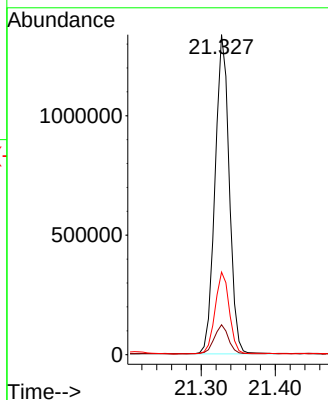
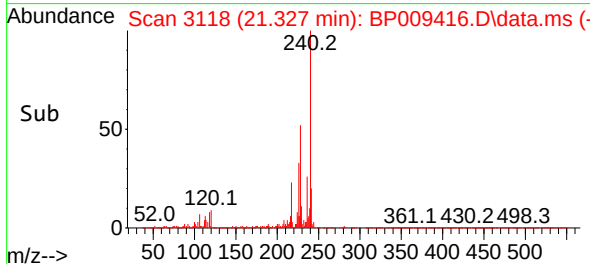
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)



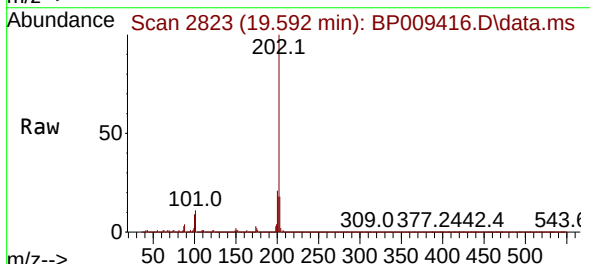
Tgt Ion:240 Resp: 1775352
Ion Ratio Lower Upper
240 100
120 9.3 9.0 13.4
236 25.8 20.6 30.8

Manual Integrations
APPROVED

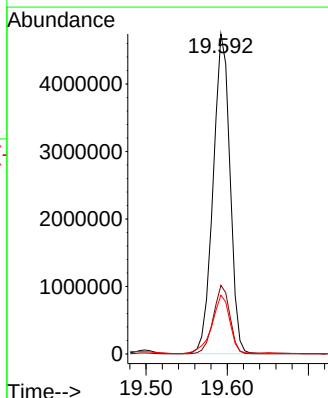
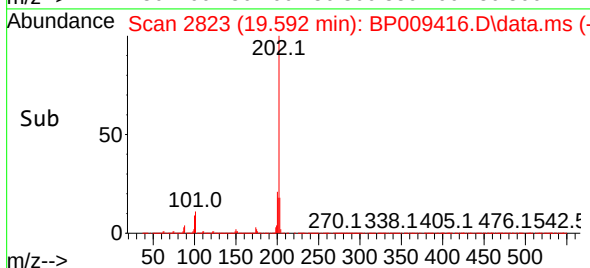
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022

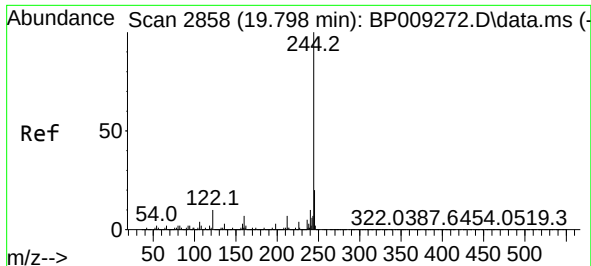


#78
Pyrene
Concen: 57.057 ng
RT: 19.592 min Scan# 2823
Delta R.T. -0.000 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16



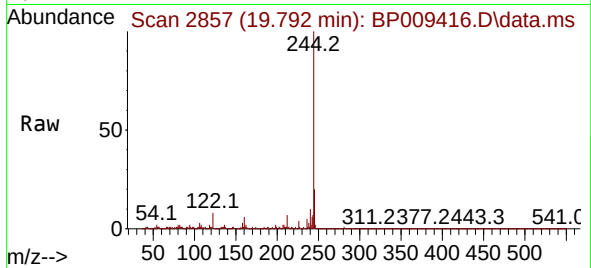
Tgt Ion:202 Resp: 6839279
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 18.3 14.2 21.4





#79
 Terphenyl-d14
 Concen: 24.979 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009416.D
 Acq: 16 Mar 2022 01:16

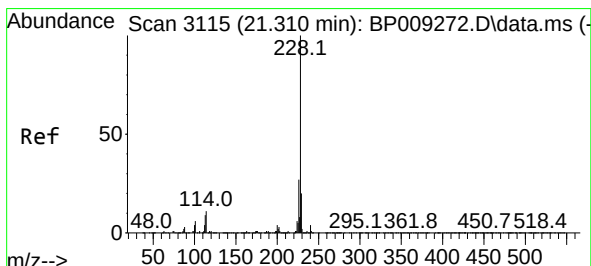
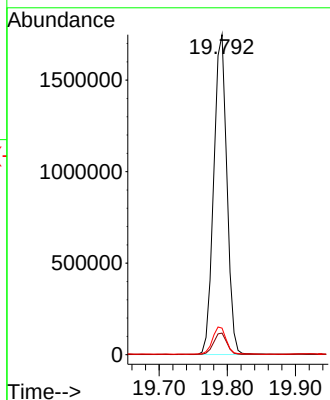
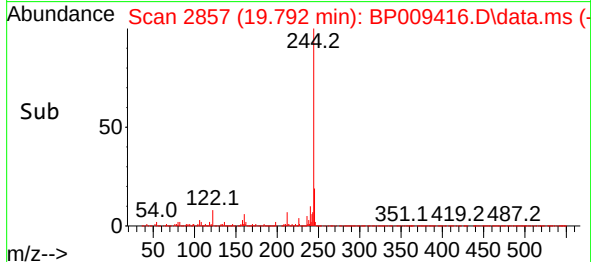
Instrument :
 BNA_P
 ClientSampleId :
 TP4(0-7)



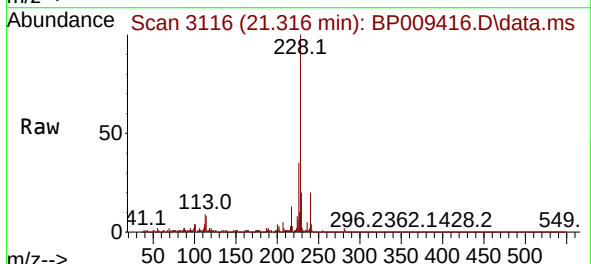
Tgt Ion:244 Resp: 234992
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 8.3 8.3 12.5

Manual Integrations
 APPROVED

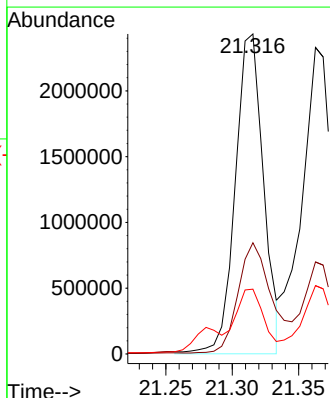
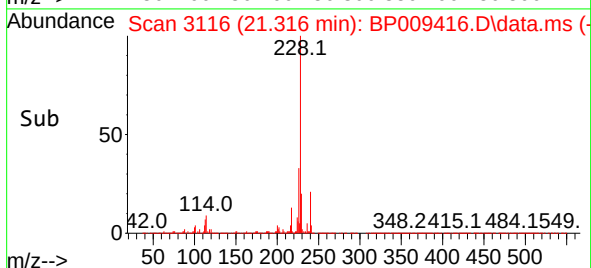
Reviewed By :Christian Giraldo 03/16/2022
 Supervised By :Jagrut Upadhyay 03/16/2022

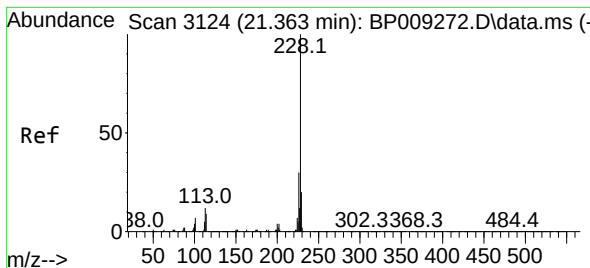


#81
 Benzo(a)anthracene
 Concen: 29.875 ng m
 RT: 21.316 min Scan# 3116
 Delta R.T. 0.006 min
 Lab File: BP009416.D
 Acq: 16 Mar 2022 01:16



Tgt Ion:228 Resp: 3594936
 Ion Ratio Lower Upper
 228 100
 226 34.7 22.0 33.0#
 229 20.3 16.1 24.1





#83

Chrysene

Concen: 31.252 ng

RT: 21.363 min Scan# 3124

Delta R.T. -0.000 min

Lab File: BP009416.D

Acq: 16 Mar 2022 01:16

Instrument :

BNA_P

ClientSampleId :

TP4(0-7)

Tgt Ion:228 Resp: 365117

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.2

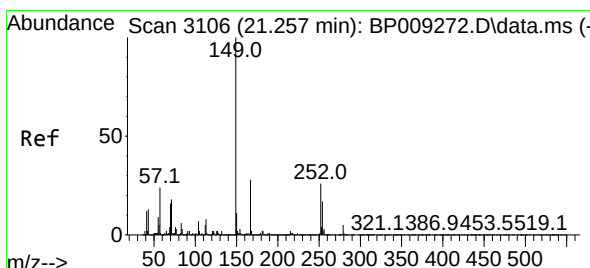
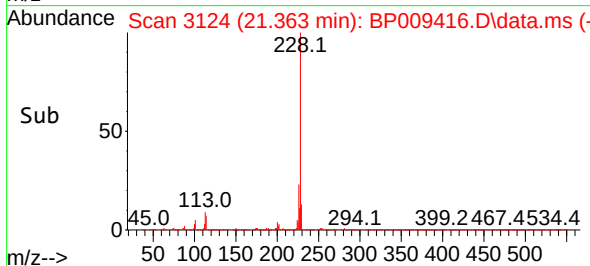
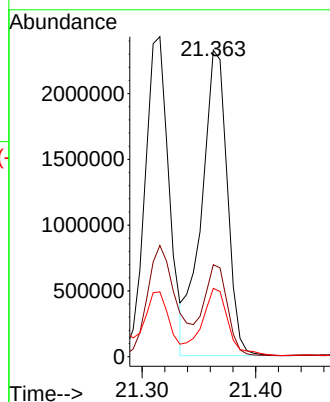
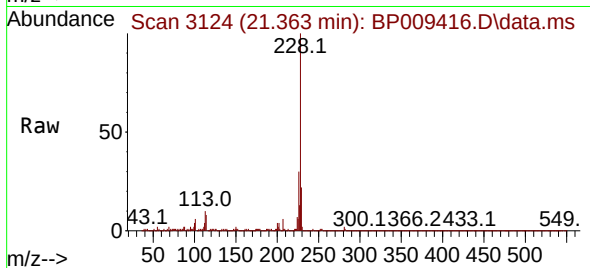
229 22.3 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/16/2022

Supervised By :Jagrut Upadhyay 03/16/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.962 ng

RT: 21.245 min Scan# 3104

Delta R.T. -0.012 min

Lab File: BP009416.D

Acq: 16 Mar 2022 01:16

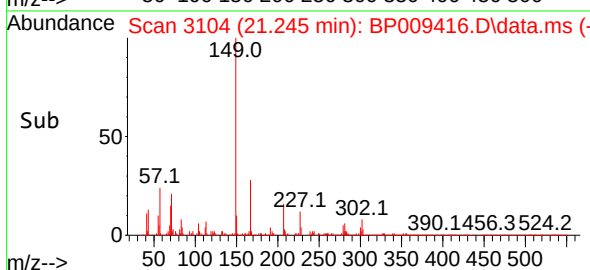
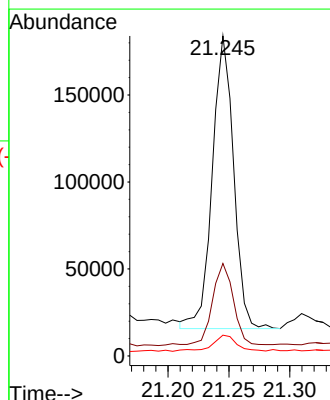
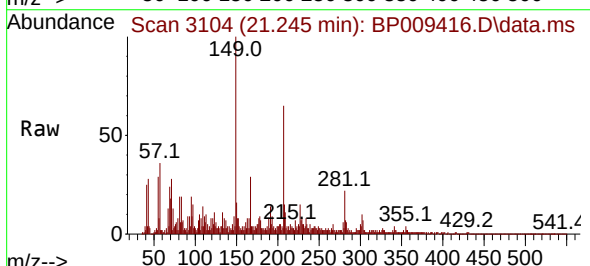
Tgt Ion:149 Resp: 204938

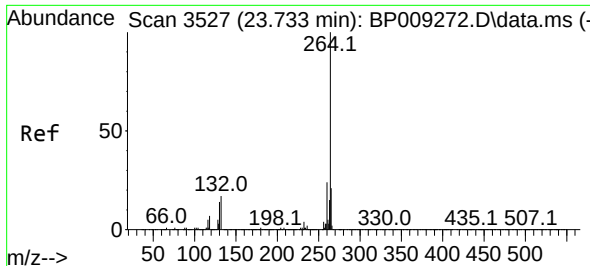
Ion Ratio Lower Upper

149 100

167 28.9 22.6 33.8

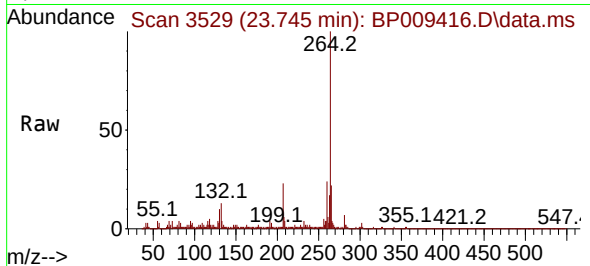
279 6.5 3.8 5.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.745 min Scan# 30
Delta R.T. 0.012 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

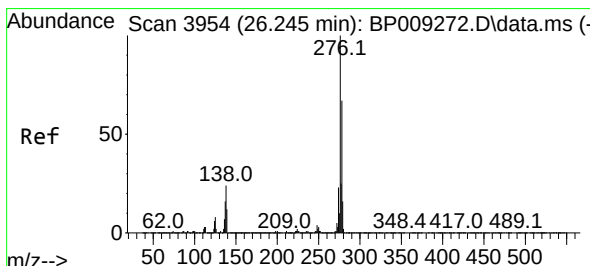
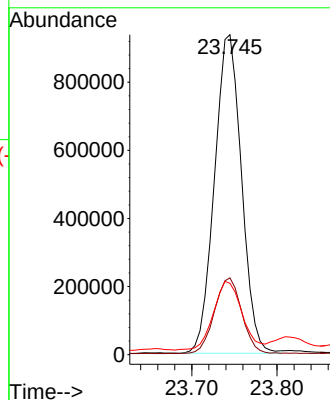
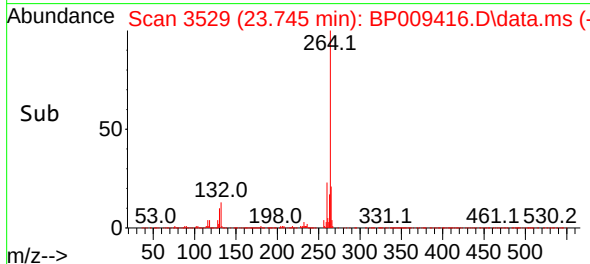
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)



Tgt Ion:264 Resp: 2064034
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.0
265 22.3 17.2 25.8

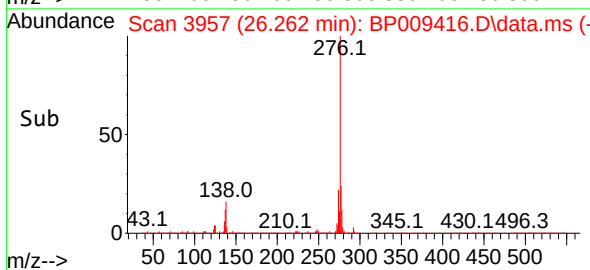
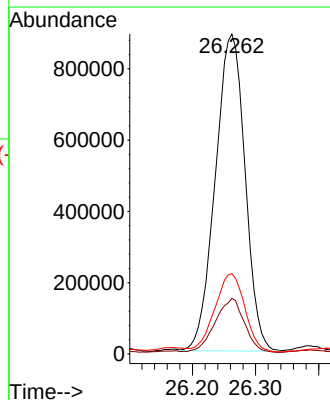
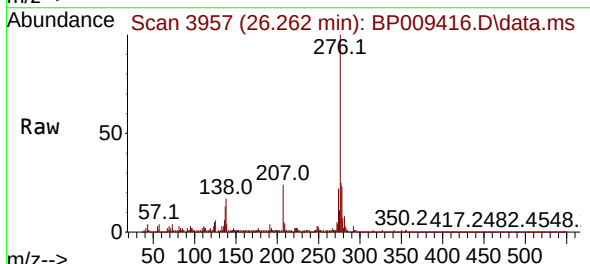
Manual Integrations
APPROVED

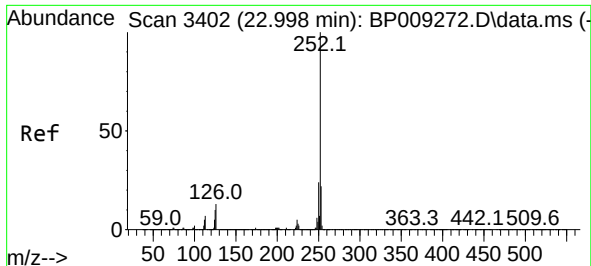
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 18.152 ng
RT: 26.262 min Scan# 3957
Delta R.T. 0.018 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

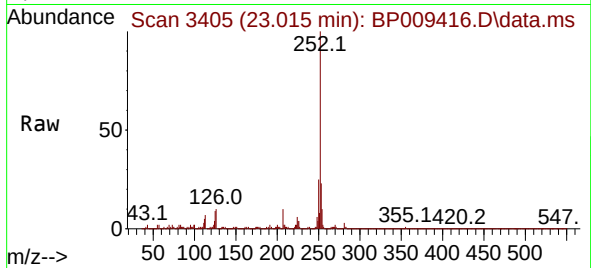
Tgt Ion:276 Resp: 2910917
Ion Ratio Lower Upper
276 100
138 16.7 20.5 30.7#
277 25.0 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 39.684 ng m
RT: 23.015 min Scan# 3405
Delta R.T. 0.018 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

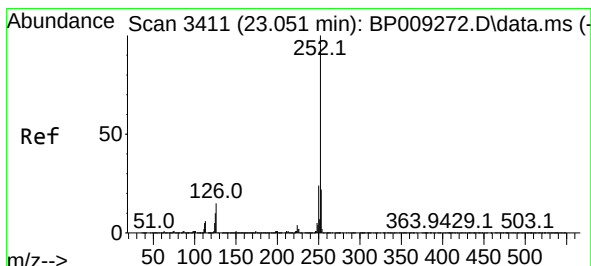
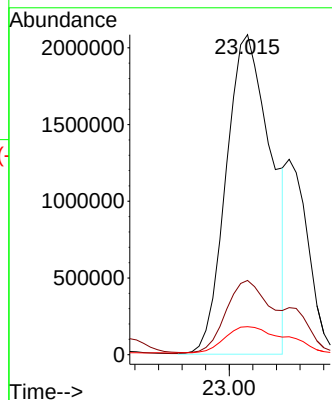
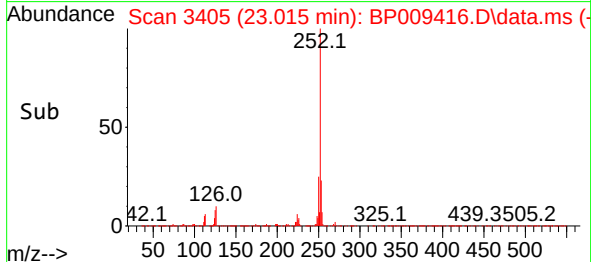
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)



Tgt Ion:252 Resp: 5530329
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 8.8 8.1 12.1

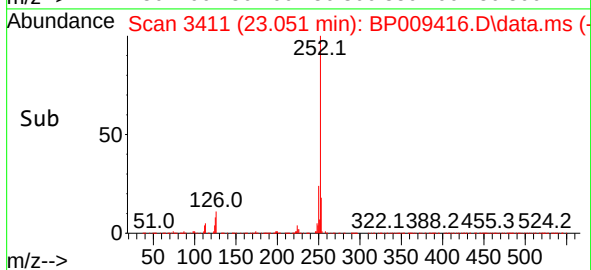
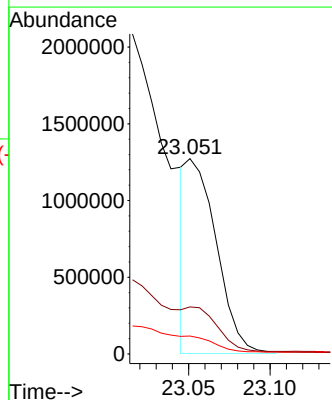
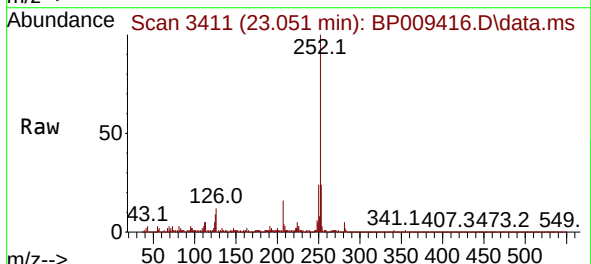
Manual Integrations
APPROVED

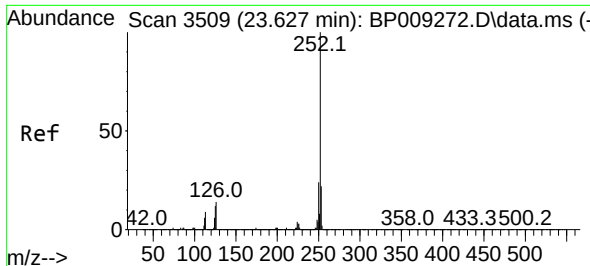
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#89
Benzo(k)fluoranthene
Concen: 12.276 ng m
RT: 23.051 min Scan# 3411
Delta R.T. -0.000 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

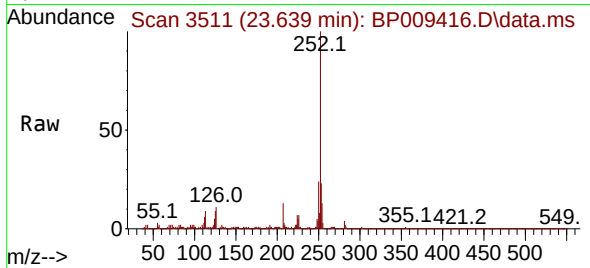
Tgt Ion:252 Resp: 1634414
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 9.2 8.3 12.5





#90
Benzo(a)pyrene
Concen: 25.119 ng m
RT: 23.639 min Scan# 3511
Delta R.T. 0.012 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

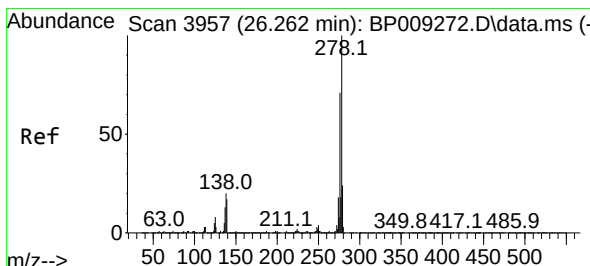
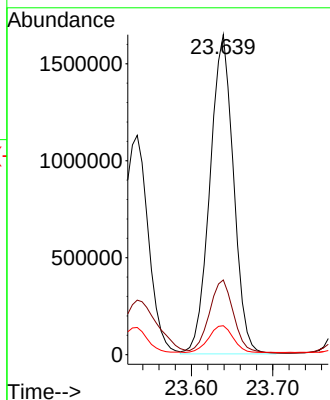
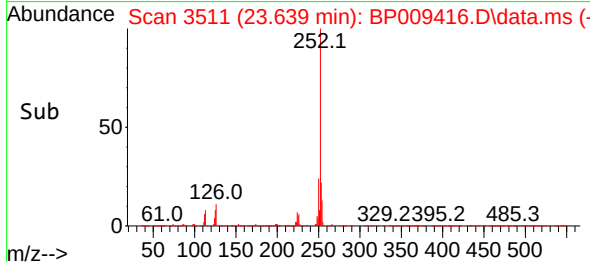
Instrument :
BNA_P
ClientSampleId :
TP4(0-7)



Tgt Ion:252 Resp: 332011
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 9.1 9.3 13.9

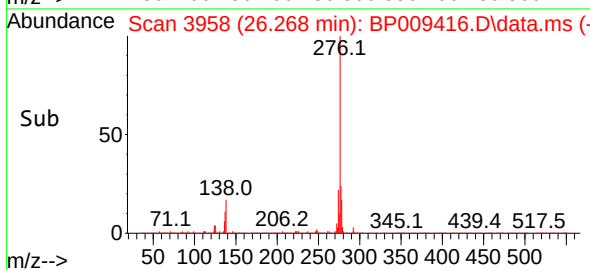
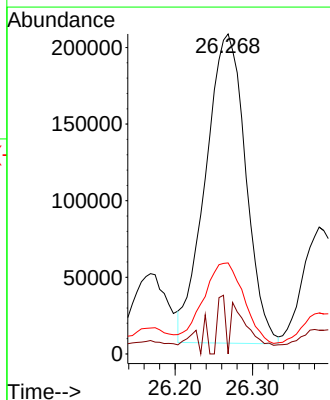
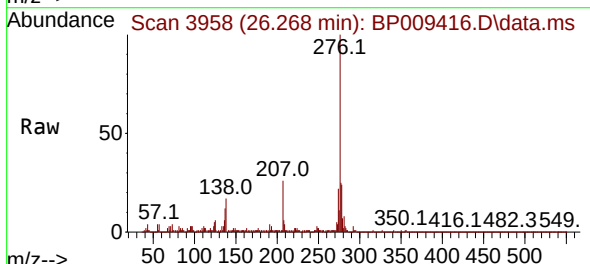
Manual Integrations
APPROVED

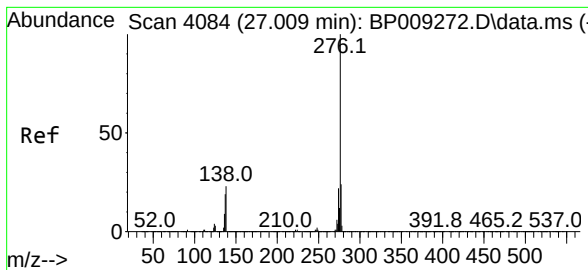
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#91
Dibenzo(a,h)anthracene
Concen: 5.349 ng
RT: 26.268 min Scan# 3958
Delta R.T. 0.006 min
Lab File: BP009416.D
Acq: 16 Mar 2022 01:16

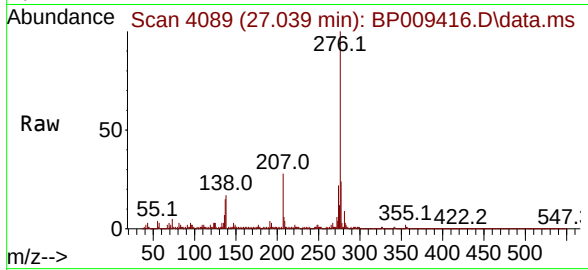
Tgt Ion:278 Resp: 727326
Ion Ratio Lower Upper
278 100
139 0.0 13.2 19.8#
279 28.4 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 20.608 ng
 RT: 27.039 min Scan# 4089
 Delta R.T. 0.029 min
 Lab File: BP009416.D
 Acq: 16 Mar 2022 01:16

Instrument :
 BNA_P
 ClientSampleId :
 TP4(0-7)



Tgt Ion: 276 Resp: 2768352
 Ion Ratio Lower Upper
 276 100
 277 23.6 19.2 28.8
 138 16.9 18.0 27.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/16/2022
 Supervised By : Jagrut Upadhyay 03/16/2022

