

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031522\
 Data File : BP009413.D
 Acq On : 15 Mar 2022 23:35
 Operator : CG/JU
 Sample : N1894-05 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP5(0-5)

Manual Integrations
 APPROVED

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

Quant Time: Mar 16 01:59:17 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	362848	20.000	ng	-0.01
21) Naphthalene-d8	10.604	136	1454071	20.000	ng	-0.01
39) Acenaphthene-d10	14.451	164	948882	20.000	ng	-0.01
64) Phenanthrene-d10	17.216	188	2006130	20.000	ng	0.00
76) Chrysene-d12	21.327	240	1944606	20.000	ng	# 0.00
86) Perylene-d12	23.739	264	2143470	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	800246	32.193	ng	0.01
7) Phenol-d6	7.005	99	976591	30.915	ng	0.02
23) Nitrobenzene-d5	8.963	82	627576	23.772	ng	-0.01
42) 2,4,6-Tribromophenol	15.951	330	572983	50.008	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	1558508	22.587	ng	-0.01
79) Terphenyl-d14	19.792	244	2372329	23.022	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.175	152	519659	5.732	ng	99
71) Phenanthrene	17.257	178	880346	7.636	ng	100
72) Anthracene	17.351	178	529583	4.615	ng	99
73) Carbazole	17.628	167	337994	3.232	ng	100
75) Fluoranthene	19.239	202	3084914	23.182	ng	97
78) Pyrene	19.592	202	2506517	19.091	ng	100
81) Benzo(a)anthracene	21.310	228	1674900	12.707	ng	95
83) Chrysene	21.363	228	1494725	11.680	ng	97
84) Bis(2-ethylhexyl)phtha...	21.245	149	223884	2.954	ng	# 98
87) Indeno(1,2,3-cd)pyrene	26.251	276	1550067	9.308	ng	# 91
88) Benzo(b)fluoranthene	23.010	252	2531726m	17.493	ng	
89) Benzo(k)fluoranthene	23.051	252	831977m	6.017	ng	
90) Benzo(a)pyrene	23.633	252	1627303	11.855	ng	96
91) Dibenzo(a,h)anthracene	26.262	278	389516	2.758	ng	# 90
92) Benzo(g,h,i)perylene	27.027	276	1522310	10.912	ng	# 94

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

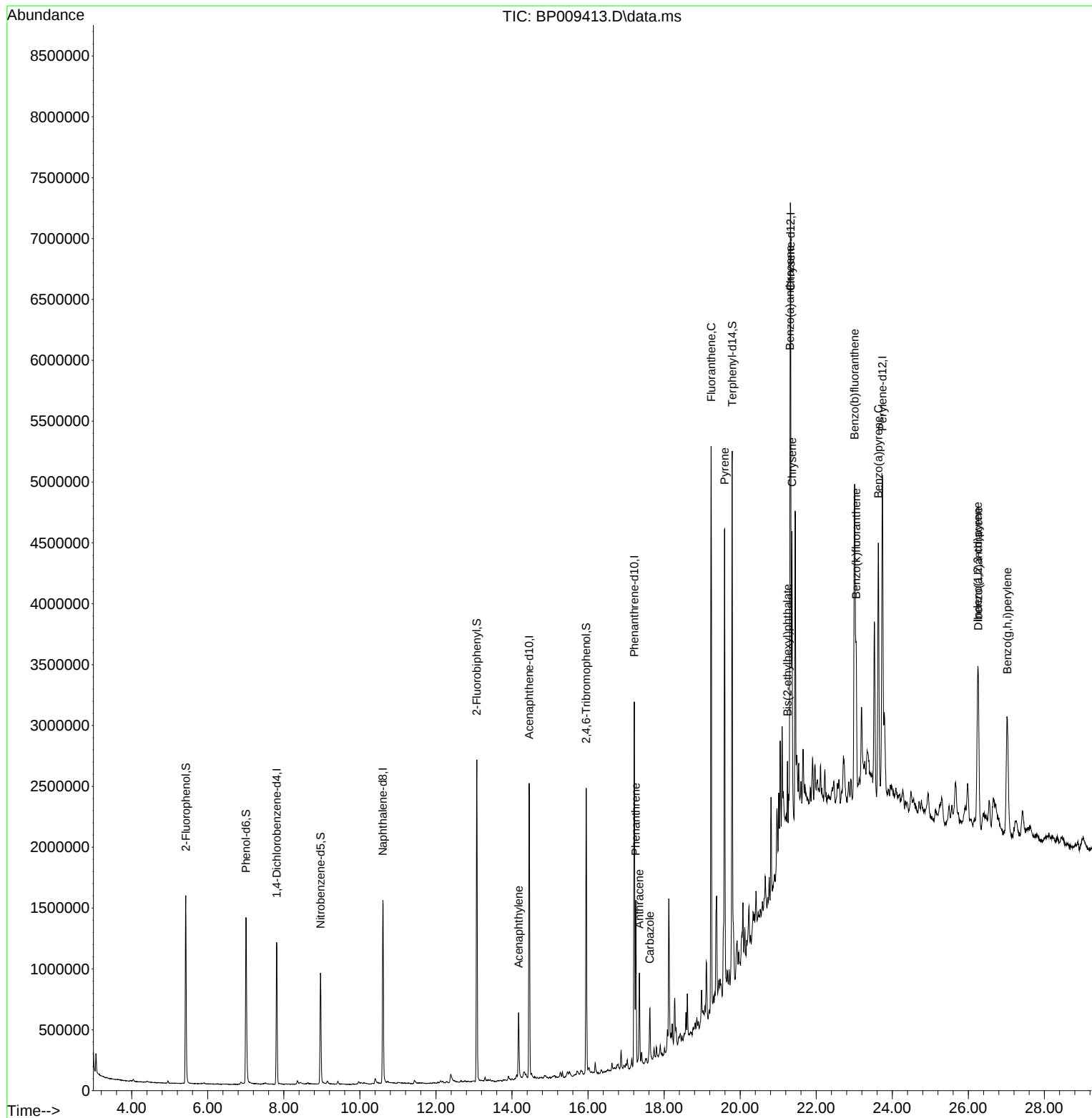
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031522\
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ALS Vial : 17 Sample Multiplier: 1

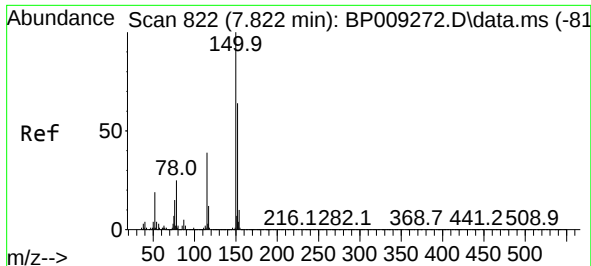
Instrument :
BNA_P
ClientSampleId :
TP5(0-5)

Quant Time: Mar 16 01:59:17 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
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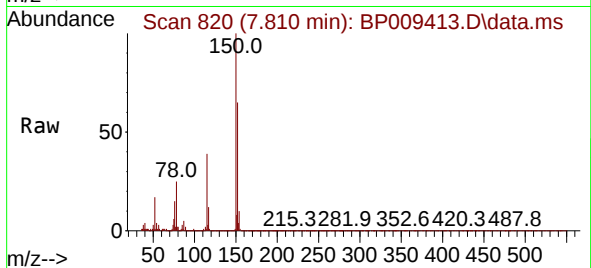
Reviewed By : Christian Giraldo 03/16/2022
Supervised By : Jagrut Upadhyay 03/16/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

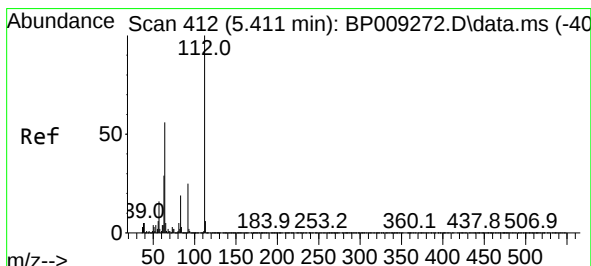
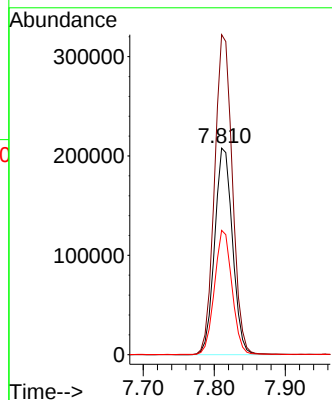
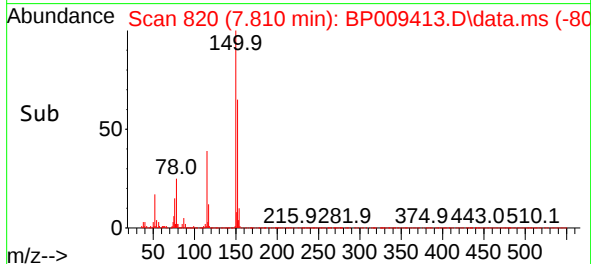
Instrument :
BNA_P
ClientSampleId :
TP5(0-5)



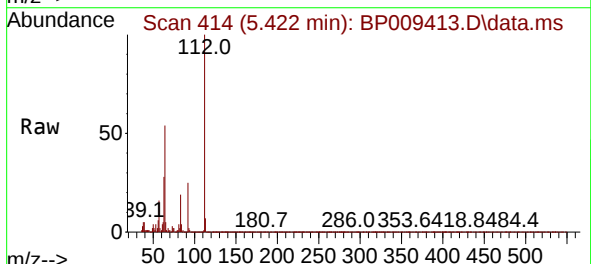
Tgt Ion:152 Resp: 362848
Ion Ratio Lower Upper
152 100
150 154.9 124.5 186.7
115 60.2 48.2 72.4

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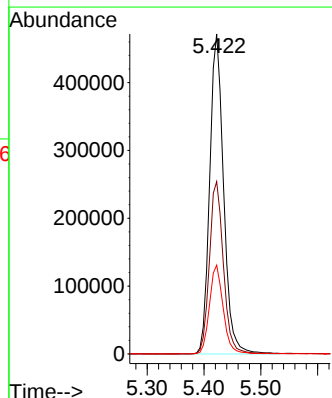
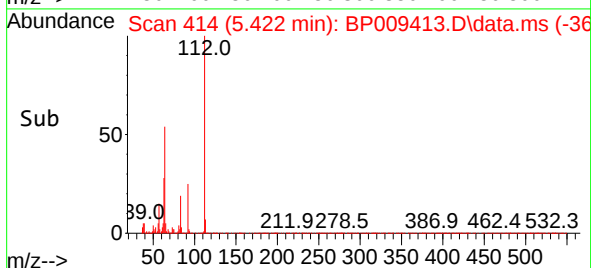
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022

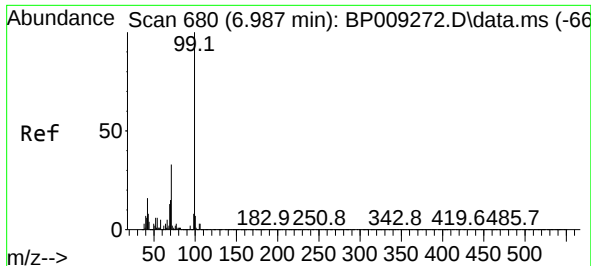


#5
2-Fluorophenol
Concen: 32.193 ng
RT: 5.422 min Scan# 414
Delta R.T. 0.011 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35



Tgt Ion:112 Resp: 800246
Ion Ratio Lower Upper
112 100
64 53.9 45.0 67.4
63 27.8 23.0 34.6





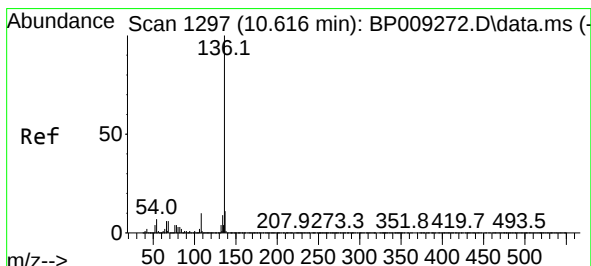
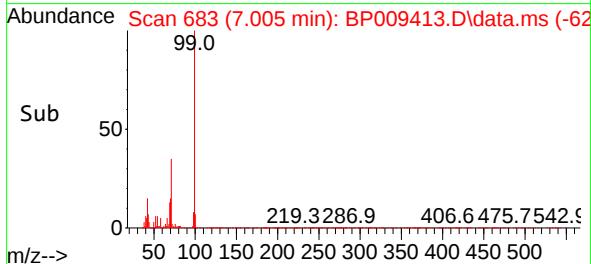
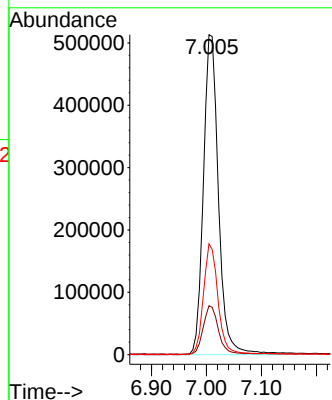
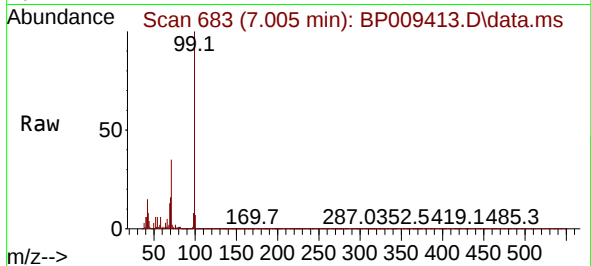
#7
Phenol-d6
Concen: 30.915 ng
RT: 7.005 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

Instrument :
BNA_P
ClientSampleId :
TP5(0-5)

Tgt Ion: 99 Resp: 97659
Ion Ratio Lower Upper
99 100
42 15.3 12.8 19.2
71 34.6 26.3 39.5

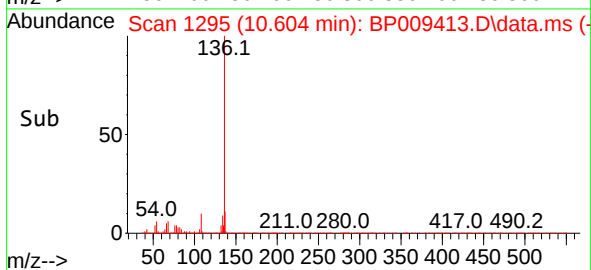
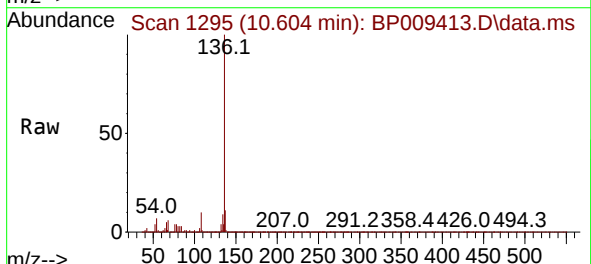
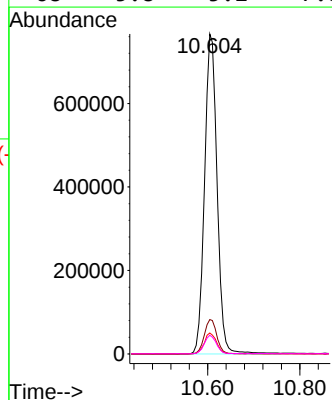
Manual Integrations
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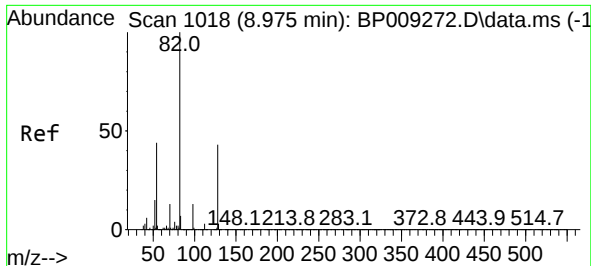
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

Tgt Ion:136 Resp: 1454071
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 6.5 5.8 8.8
68 5.8 5.2 7.8





#23
Nitrobenzene-d5
Concen: 23.772 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

Instrument :

BNA_P

ClientSampleId :

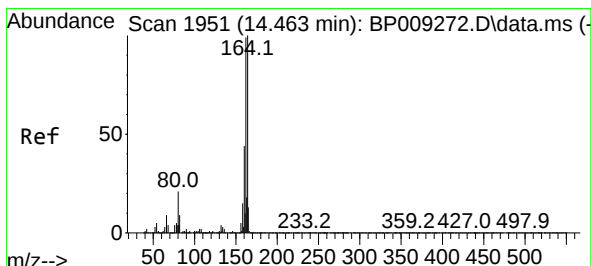
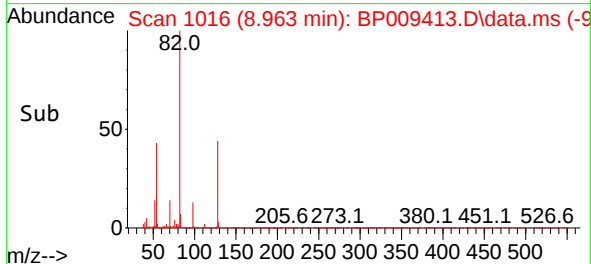
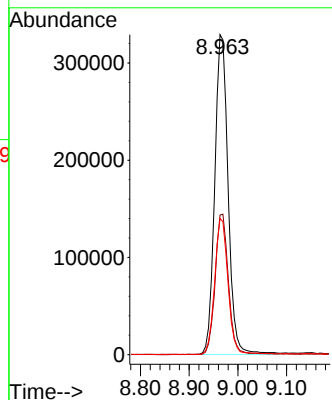
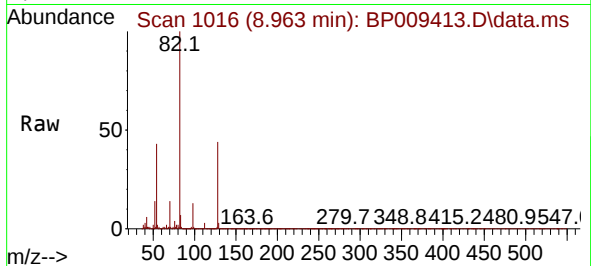
TP5(0-5)

Tgt Ion: 82 Resp: 627570
Ion Ratio Lower Upper
82 100
128 43.6 34.2 51.4
54 42.6 34.7 52.1

Manual Integrations

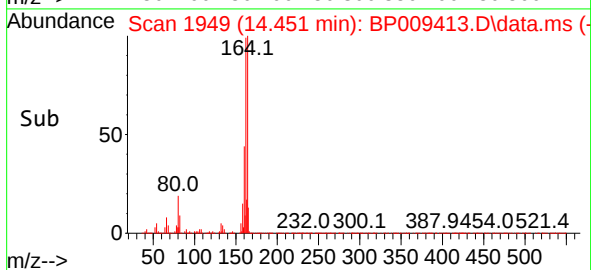
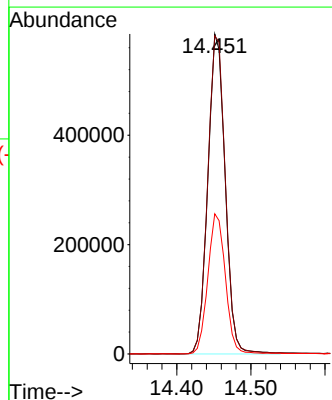
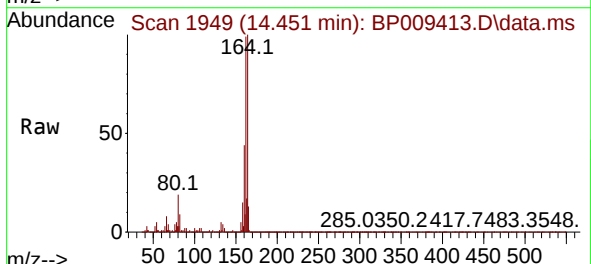
APPROVED

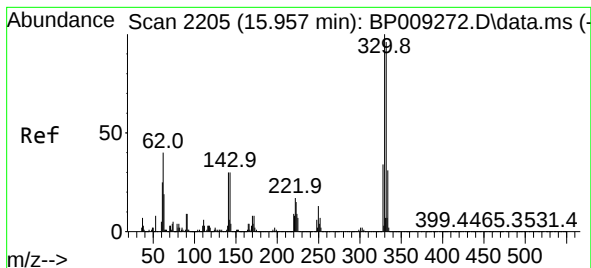
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

Tgt Ion:164 Resp: 948882
Ion Ratio Lower Upper
164 100
162 99.5 79.1 118.7
160 43.8 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 50.008 ng

RT: 15.951 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP009413.D

Acq: 15 Mar 2022 23:35

Instrument :

BNA_P

ClientSampleId :

TP5(0-5)

Tgt Ion:330 Resp: 57298

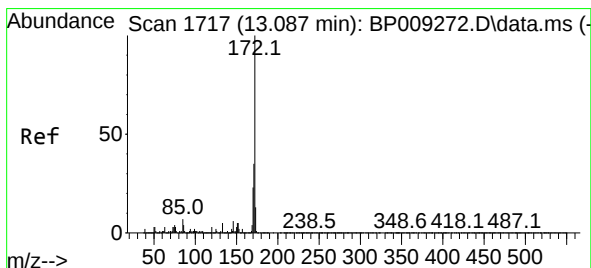
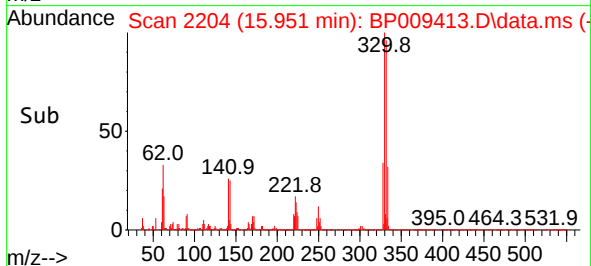
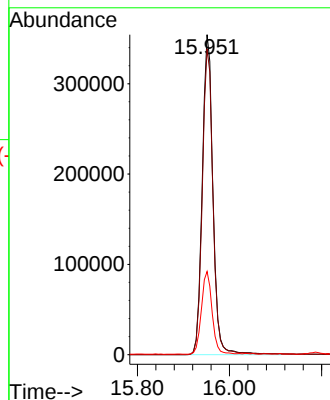
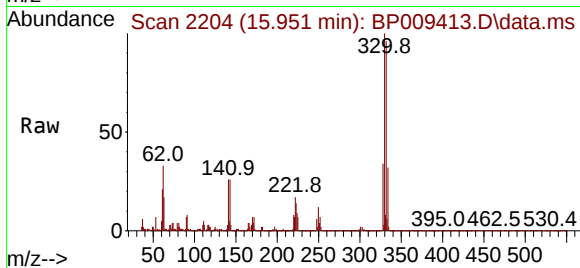
Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	25.8	27.6	41.4

Manual Integrations

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Reviewed By :Christian Giraldo 03/16/2022

Supervised By :Jagrut Upadhyay 03/16/2022



#45

2-Fluorobiphenyl

Concen: 22.587 ng

RT: 13.075 min Scan# 1715

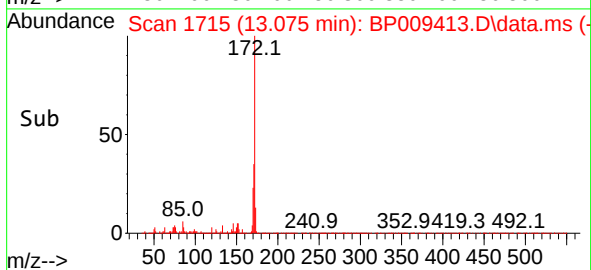
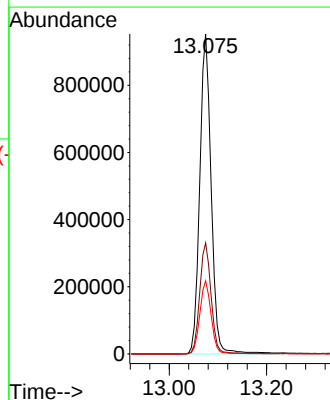
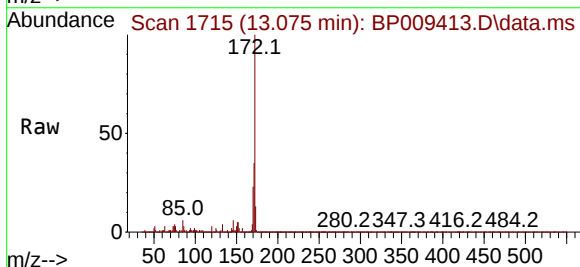
Delta R.T. -0.012 min

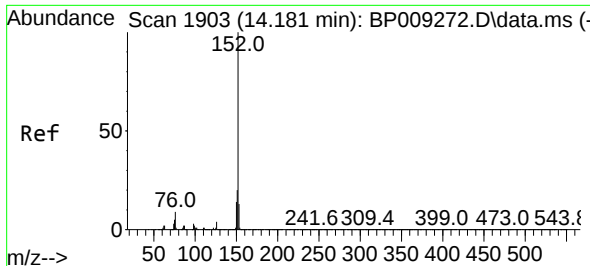
Lab File: BP009413.D

Acq: 15 Mar 2022 23:35

Tgt Ion:172 Resp: 1558508

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.0	42.0
170	22.9	18.6	27.8





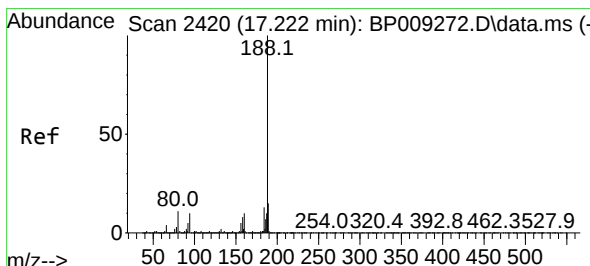
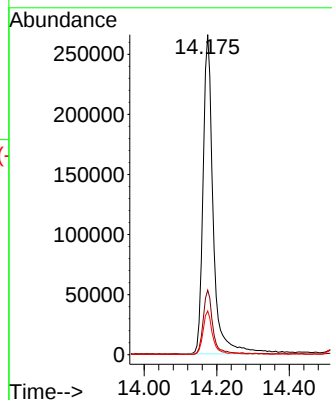
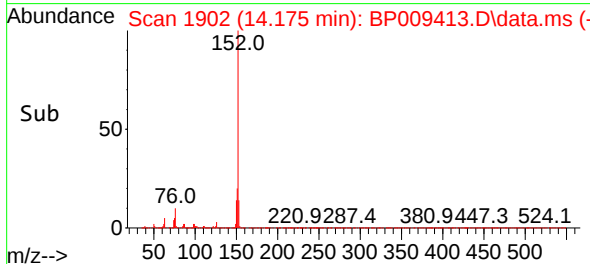
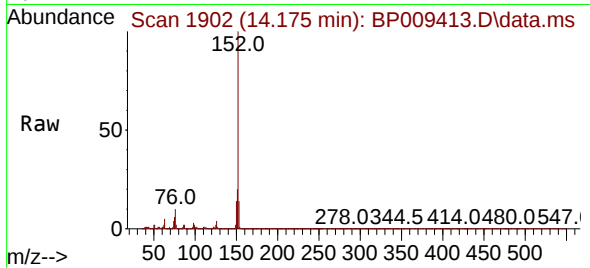
#49
Acenaphthylene
Concen: 5.732 ng
RT: 14.175 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

Instrument :
BNA_P
ClientSampleId :
TP5(0-5)

Tgt Ion:152 Resp: 519659
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 13.6 10.7 16.1

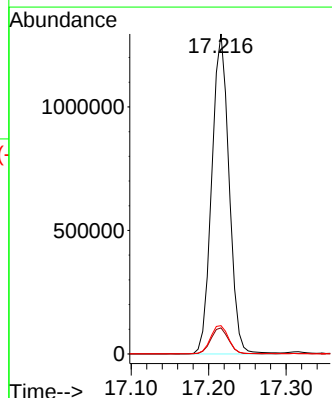
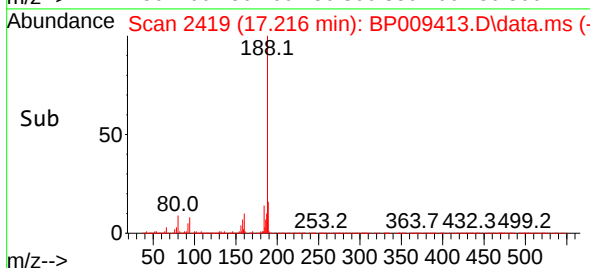
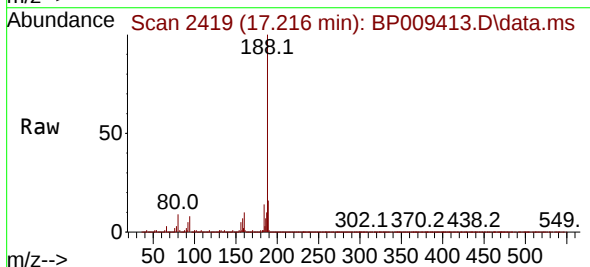
Manual Integrations
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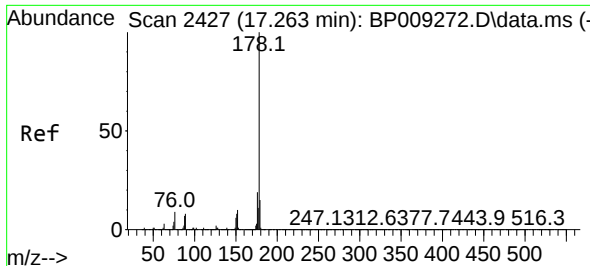
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

Tgt Ion:188 Resp: 2006130
Ion Ratio Lower Upper
188 100
94 8.2 7.9 11.9
80 8.9 8.8 13.2





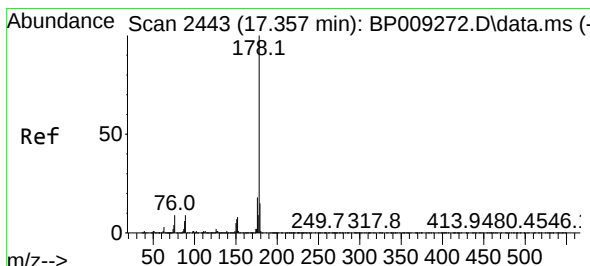
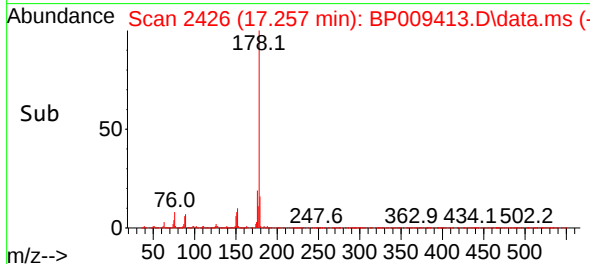
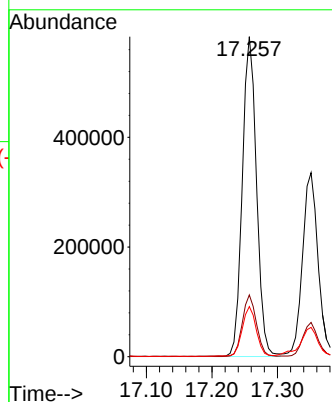
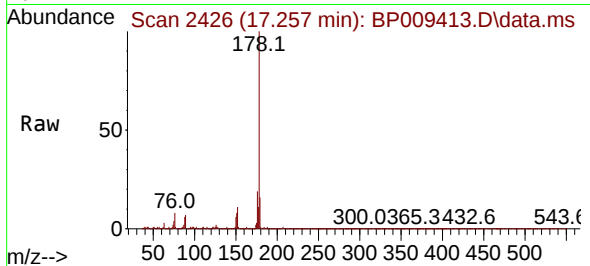
#71
Phenanthrene
Concen: 7.636 ng
RT: 17.257 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

Instrument :
BNA_P
ClientSampleId :
TP5(0-5)

Tgt Ion:178 Resp: 880340
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.7 12.3 18.5

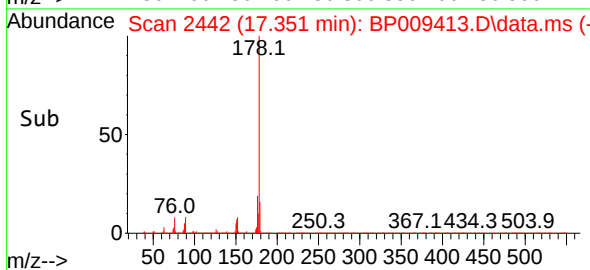
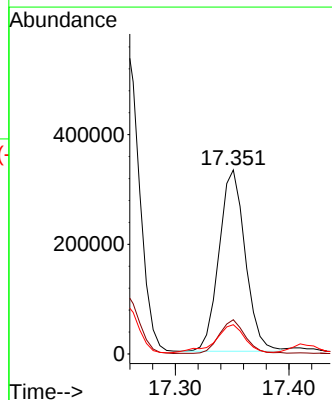
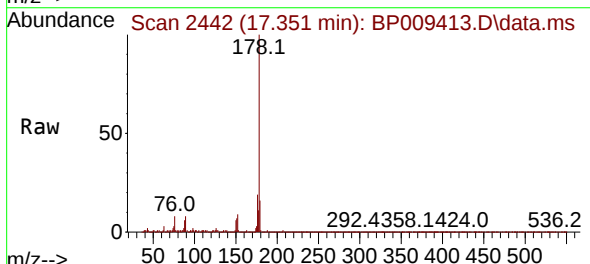
Manual Integrations
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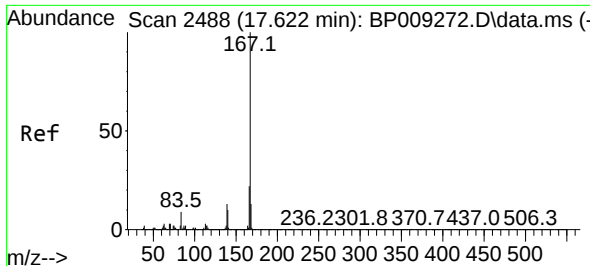
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#72
Anthracene
Concen: 4.615 ng
RT: 17.351 min Scan# 2442
Delta R.T. -0.006 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

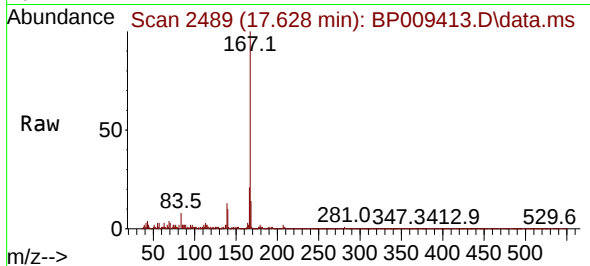
Tgt Ion:178 Resp: 529583
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 15.9 12.2 18.4





#73
 Carbazole
 Concen: 3.232 ng
 RT: 17.628 min Scan# 2489
 Delta R.T. 0.006 min
 Lab File: BP009413.D
 Acq: 15 Mar 2022 23:35

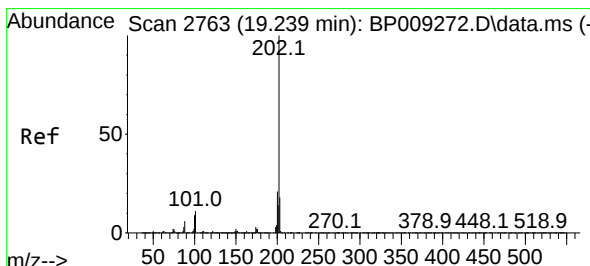
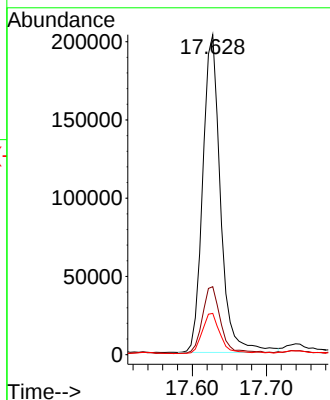
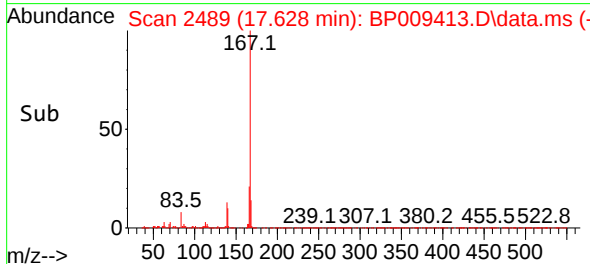
Instrument :
 BNA_P
 ClientSampleId :
 TP5(0-5)



Tgt Ion:167 Resp: 337994
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.2 25.8
 139 12.9 10.3 15.5

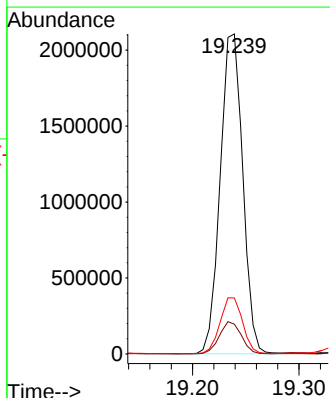
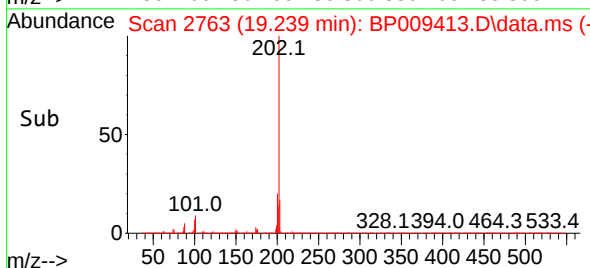
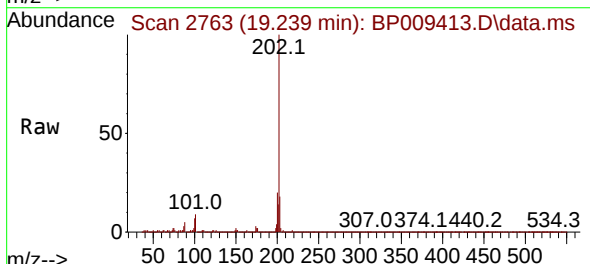
Manual Integrations
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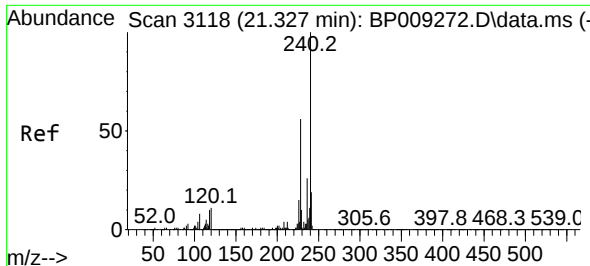
Reviewed By :Christian Giraldo 03/16/2022
 Supervised By :Jagrut Upadhyay 03/16/2022



#75
 Fluoranthene
 Concen: 23.182 ng
 RT: 19.239 min Scan# 2763
 Delta R.T. -0.000 min
 Lab File: BP009413.D
 Acq: 15 Mar 2022 23:35

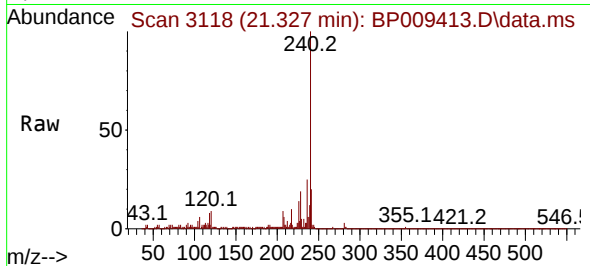
Tgt Ion:202 Resp: 3084914
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 31.5
 203 17.5 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.000 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

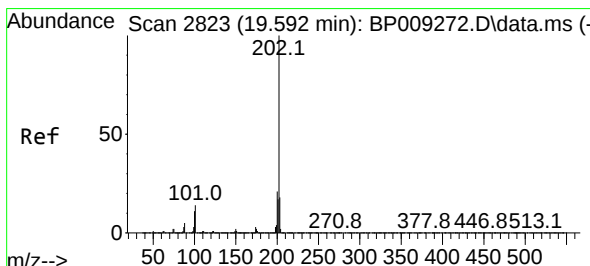
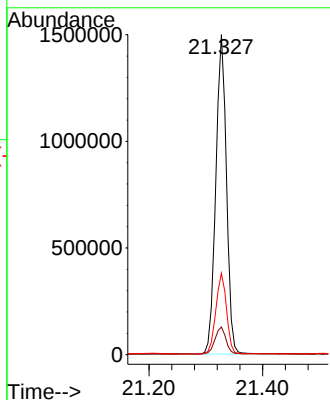
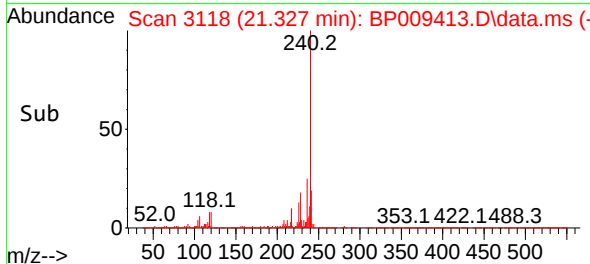
Instrument :
BNA_P
ClientSampleId :
TP5(0-5)



Tgt Ion:240 Resp: 1944600
Ion Ratio Lower Upper
240 100
120 8.6 9.0 13.4
236 25.5 20.6 30.8

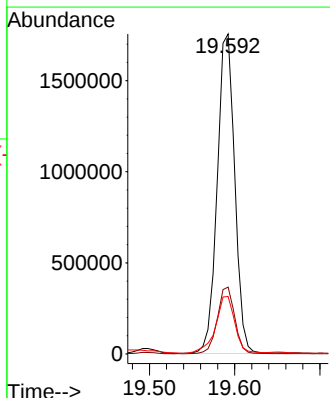
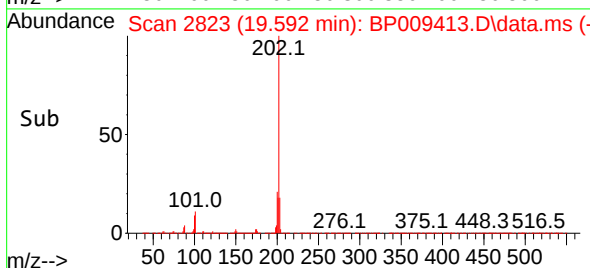
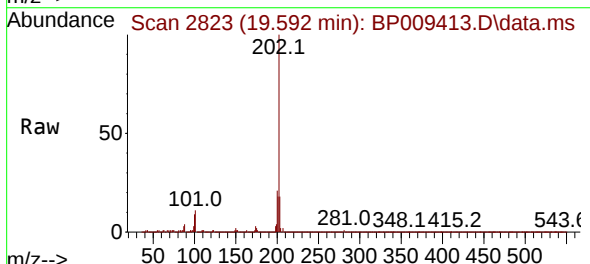
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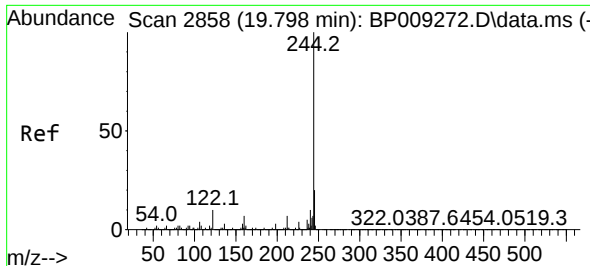
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#78
Pyrene
Concen: 19.091 ng
RT: 19.592 min Scan# 2823
Delta R.T. -0.000 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

Tgt Ion:202 Resp: 2506517
Ion Ratio Lower Upper
202 100
200 20.9 16.8 25.2
203 18.0 14.2 21.4





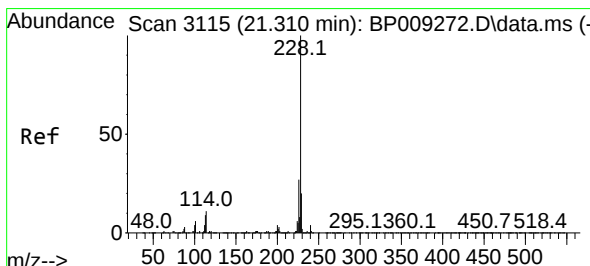
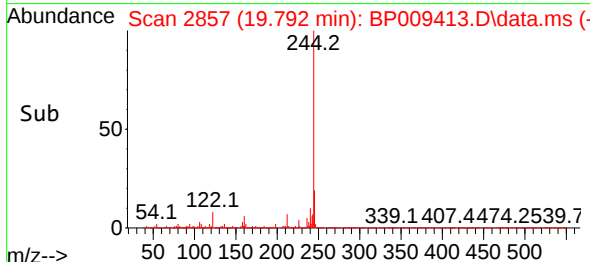
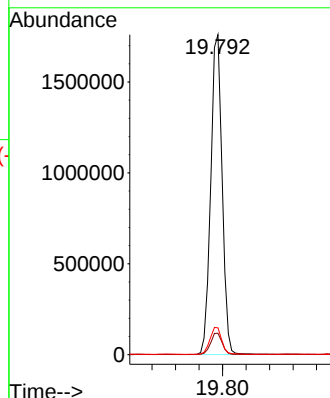
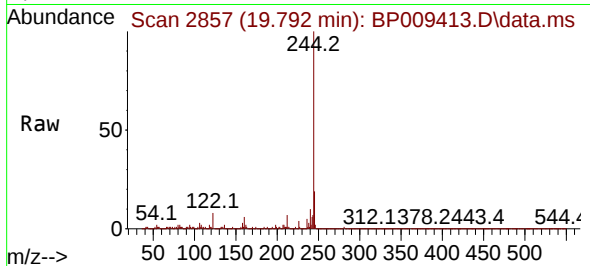
#79
 Terphenyl-d14
 Concen: 23.022 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009413.D
 Acq: 15 Mar 2022 23:35

Instrument :
 BNA_P
 ClientSampleId :
 TP5(0-5)

Tgt Ion:244 Resp: 2372329
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.6
 122 8.4 8.3 12.5

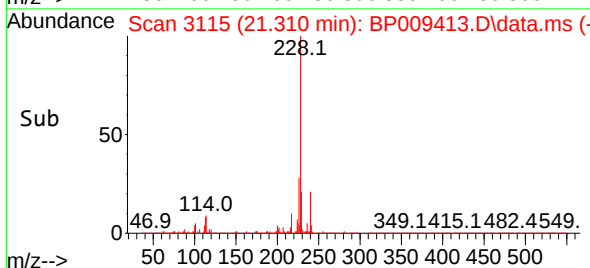
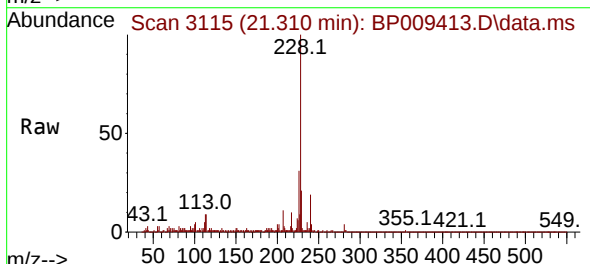
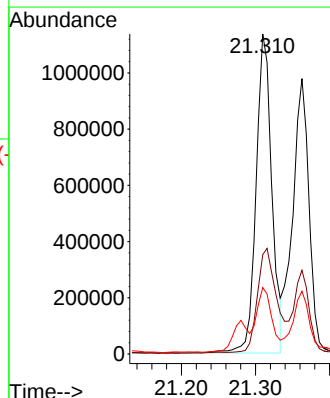
Manual Integrations
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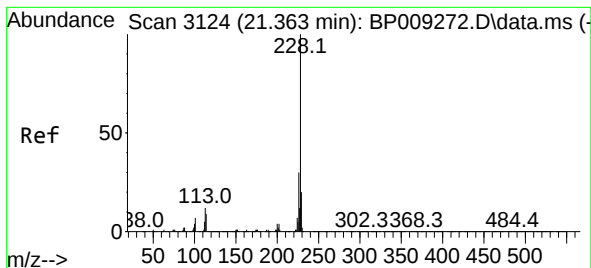
Reviewed By :Christian Giraldo 03/16/2022
 Supervised By :Jagrut Upadhyay 03/16/2022



#81
 Benzo(a)anthracene
 Concen: 12.707 ng
 RT: 21.310 min Scan# 3115
 Delta R.T. -0.000 min
 Lab File: BP009413.D
 Acq: 15 Mar 2022 23:35

Tgt Ion:228 Resp: 1674900
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.0 33.0
 229 20.8 16.1 24.1





#83

Chrysene

Concen: 11.680 ng

RT: 21.363 min Scan# 3124

Delta R.T. -0.000 min

Lab File: BP009413.D

Acq: 15 Mar 2022 23:35

Instrument :

BNA_P

ClientSampleId :

TP5(0-5)

Tgt Ion:228 Resp: 149472

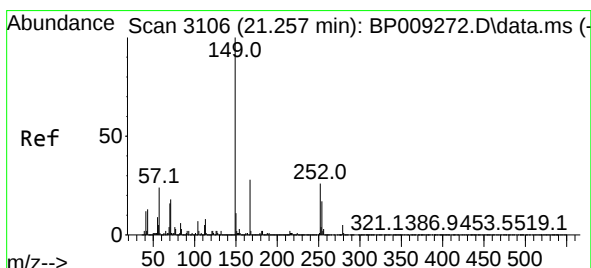
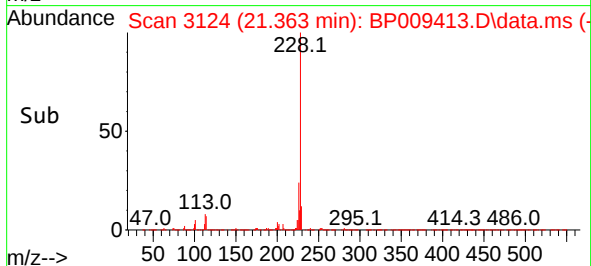
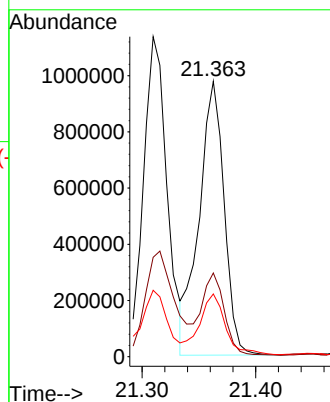
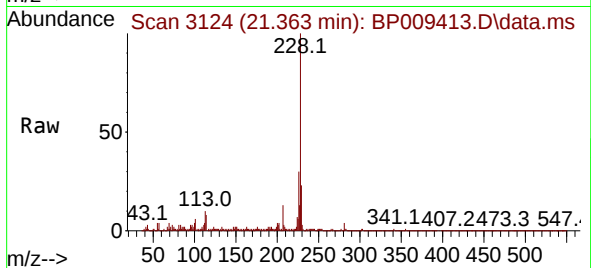
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.2
229	22.8	16.1	24.1

Manual Integrations

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Reviewed By :Christian Giraldo 03/16/2022

Supervised By :Jagrut Upadhyay 03/16/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.954 ng

RT: 21.245 min Scan# 3104

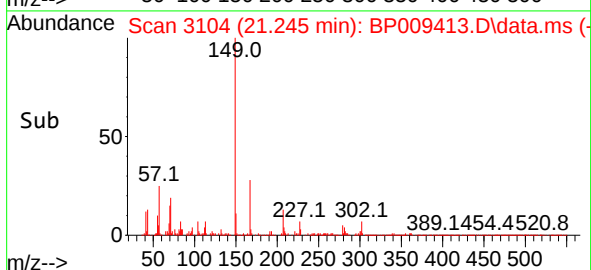
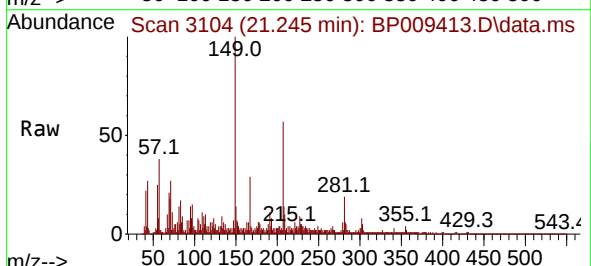
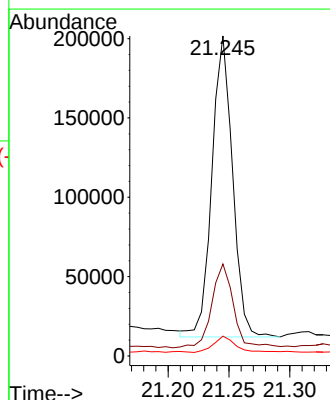
Delta R.T. -0.012 min

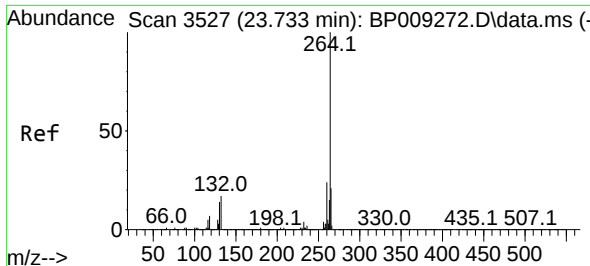
Lab File: BP009413.D

Acq: 15 Mar 2022 23:35

Tgt Ion:149 Resp: 223884

Ion	Ratio	Lower	Upper
149	100		
167	28.7	22.6	33.8
279	6.2	3.8	5.6





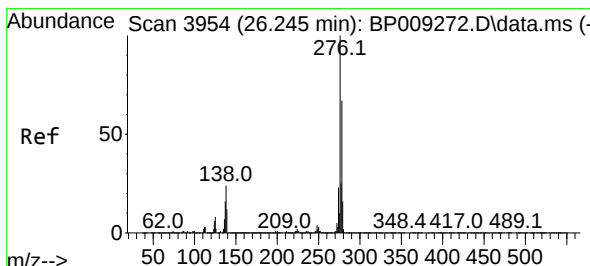
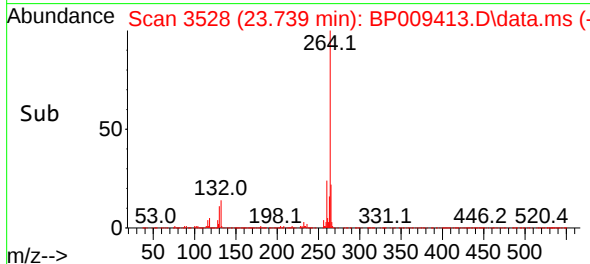
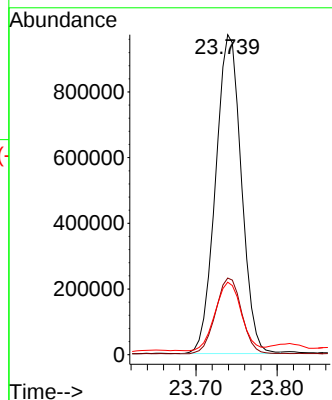
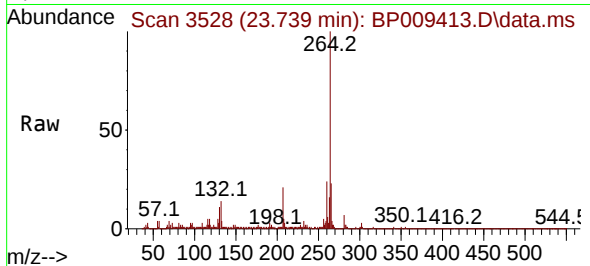
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.739 min Scan# 3527
Delta R.T. 0.006 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

Instrument :
BNA_P
ClientSampleId :
TP5(0-5)

Tgt Ion:264 Resp: 2143470
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.0
265 22.7 17.2 25.8

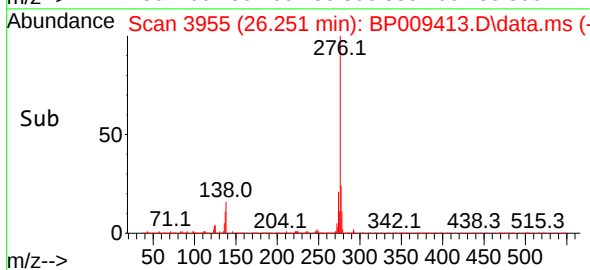
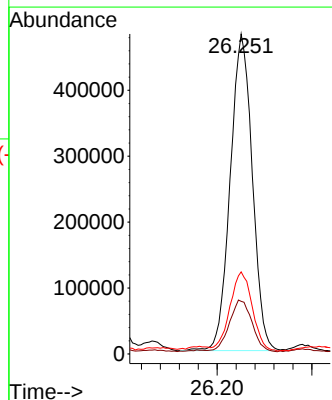
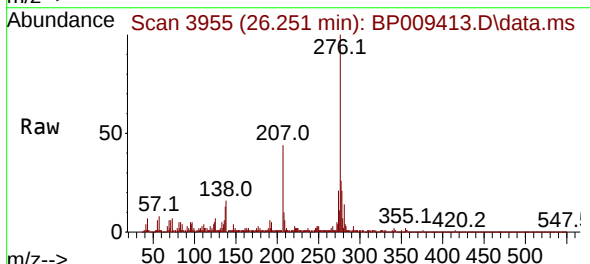
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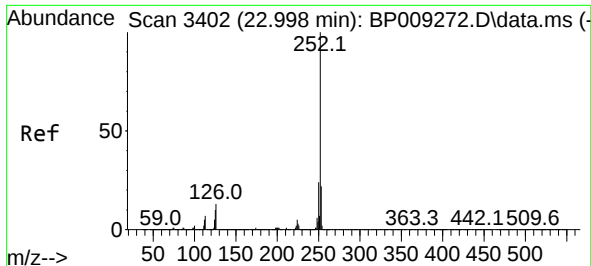
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.308 ng
RT: 26.251 min Scan# 3955
Delta R.T. 0.006 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

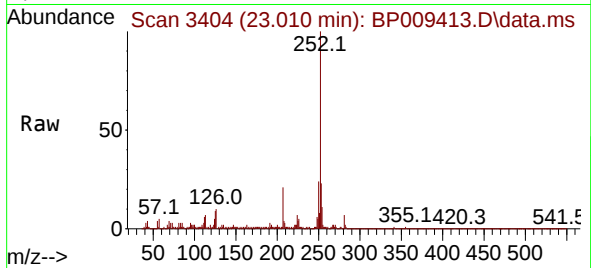
Tgt Ion:276 Resp: 1550067
Ion Ratio Lower Upper
276 100
138 16.8 20.5 30.7#
277 25.3 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 17.493 ng m
RT: 23.010 min Scan# 3404
Delta R.T. 0.012 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

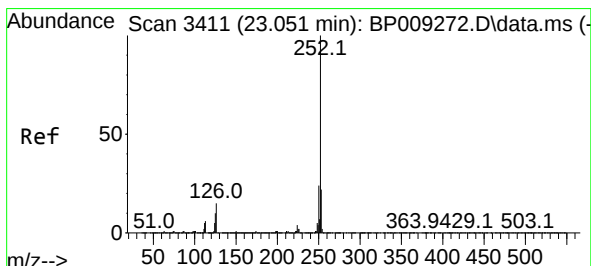
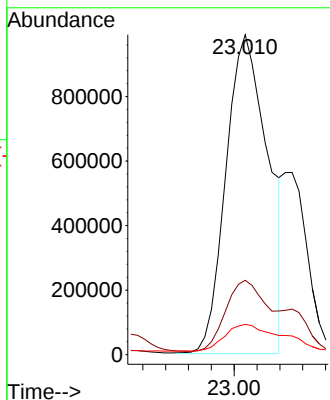
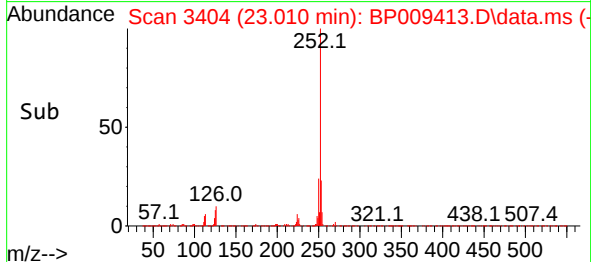
Instrument :
BNA_P
ClientSampleId :
TP5(0-5)



Tgt Ion:252 Resp: 2531720
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 9.5 8.1 12.1

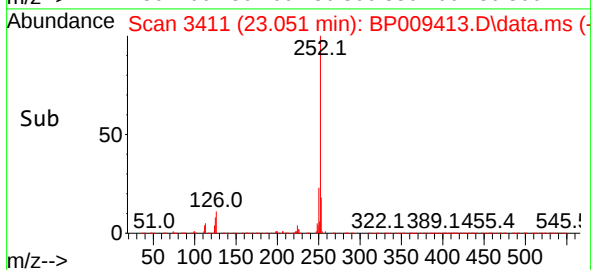
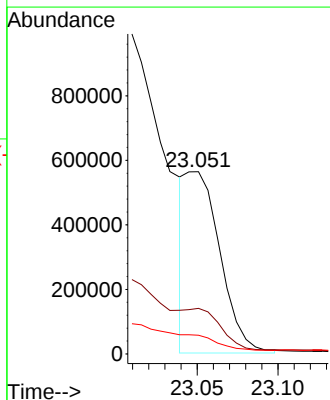
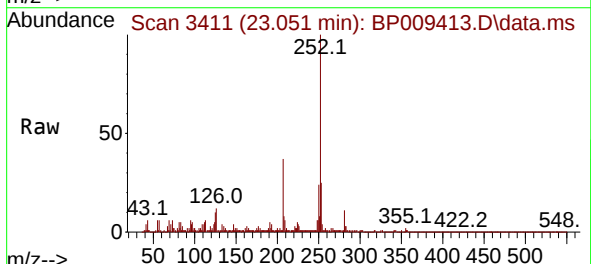
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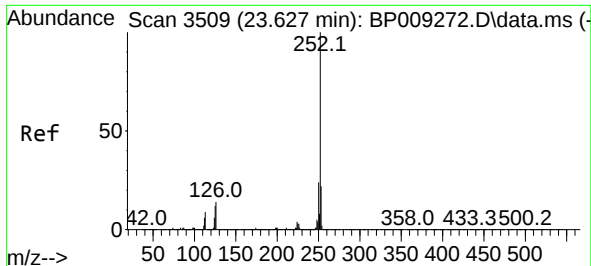
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#89
Benzo(k)fluoranthene
Concen: 6.017 ng m
RT: 23.051 min Scan# 3411
Delta R.T. -0.000 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

Tgt Ion:252 Resp: 831977
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 10.3 8.3 12.5





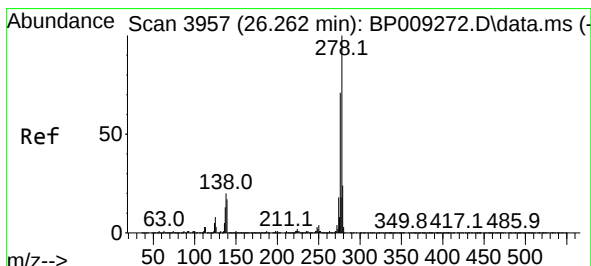
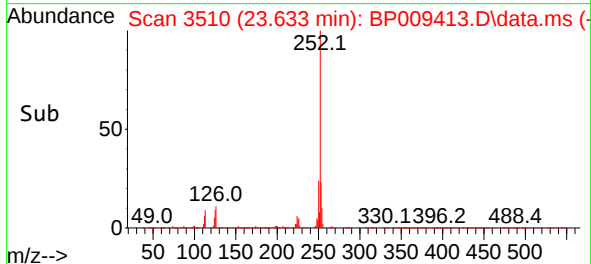
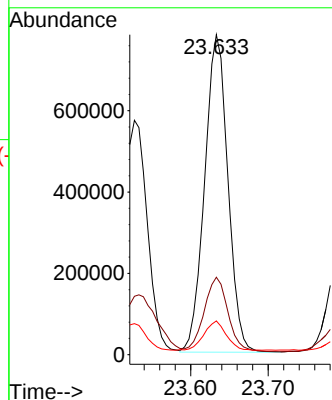
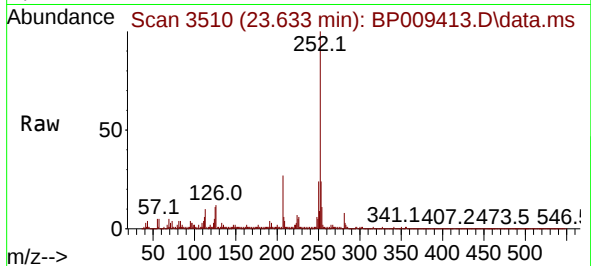
#90
Benzo(a)pyrene
Concen: 11.855 ng
RT: 23.633 min Scan# 3510
Delta R.T. 0.006 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

Instrument :
BNA_P
ClientSampleId :
TP5(0-5)

Tgt Ion:252 Resp: 162730
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 10.6 9.3 13.9

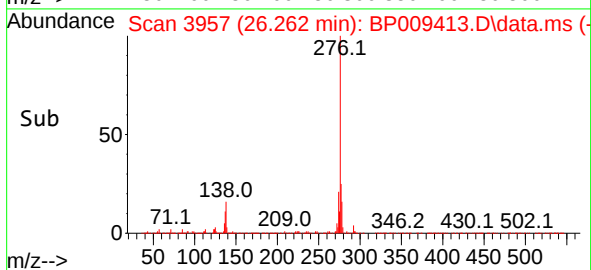
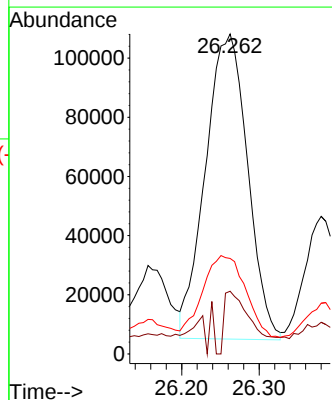
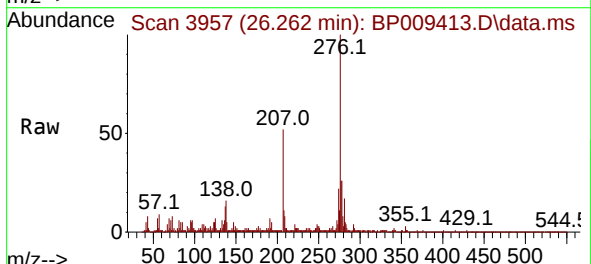
Manual Integrations
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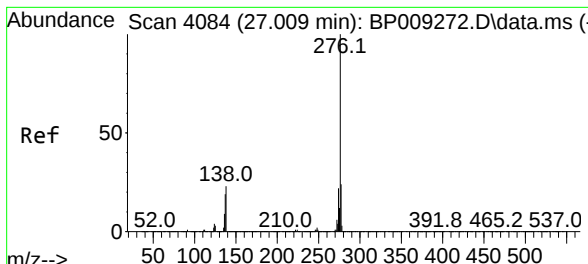
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.758 ng
RT: 26.262 min Scan# 3957
Delta R.T. -0.000 min
Lab File: BP009413.D
Acq: 15 Mar 2022 23:35

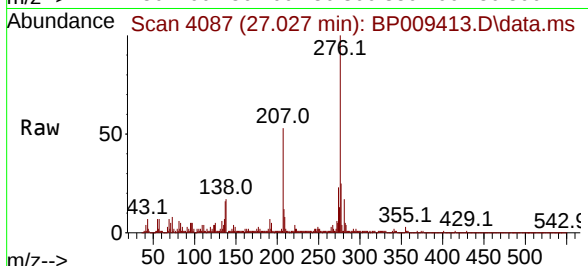
Tgt Ion:278 Resp: 389516
Ion Ratio Lower Upper
278 100
139 19.6 13.2 19.8
279 29.8 19.2 28.8#





#92
 Benzo(g,h,i)perylene
 Concen: 10.912 ng
 RT: 27.027 min Scan# 4087
 Delta R.T. 0.018 min
 Lab File: BP009413.D
 Acq: 15 Mar 2022 23:35

Instrument :
 BNA_P
 ClientSampleId :
 TP5(0-5)



Tgt Ion: 276 Resp: 1522310
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.2 28.8
 138 17.1 18.0 27.0

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

