

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031622\
 Data File : BP009435.D
 Acq On : 16 Mar 2022 22:16
 Operator : CG/JU
 Sample : N1894-01RE 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP1(0-10)RE

Quant Time: Mar 17 01:10:42 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

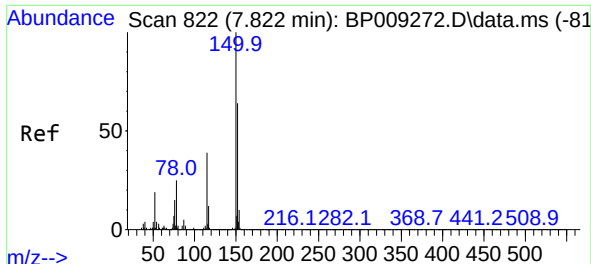
Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/17/2022
 Supervised By : Jagrut Upadhyay 03/17/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	718431	20.000	ng	-0.01
21) Naphthalene-d8	10.604	136	2942898	20.000	ng	-0.01
39) Acenaphthene-d10	14.451	164	1838743	20.000	ng	-0.01
64) Phenanthrene-d10	17.216	188	3242971	20.000	ng	0.00
76) Chrysene-d12	21.327	240	2351815	20.000	ng	# 0.00
86) Perylene-d12	23.745	264	2553124	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1521585	30.915	ng	0.01
7) Phenol-d6	7.010	99	1929438	30.848	ng	0.02
23) Nitrobenzene-d5	8.963	82	1107163	20.721	ng	-0.01
42) 2,4,6-Tribromophenol	15.951	330	839597	37.815	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	3107680	23.243	ng	-0.01
79) Terphenyl-d14	19.792	244	3147257	25.254	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.175	152	491846	2.799	ng	99
71) Phenanthrene	17.257	178	1745242	9.364	ng	100
72) Anthracene	17.351	178	686630	3.701	ng	99
75) Fluoranthene	19.239	202	3826165	17.786	ng	98
78) Pyrene	19.592	202	3325039	20.940	ng	99
80) Butylbenzylphthalate	20.474	149	240738	4.200	ng	96
81) Benzo(a)anthracene	21.316	228	1870554	11.735	ng	96
83) Chrysene	21.363	228	1706913m	11.029	ng	
84) Bis(2-ethylhexyl)phtha...	21.245	149	16222121	176.972	ng	# 88
85) Di-n-octyl phthalate	22.180	149	5604799	37.346	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.256	276	1560464	7.867	ng	# 90
88) Benzo(b)fluoranthene	23.015	252	2636943m	15.297	ng	
89) Benzo(k)fluoranthene	23.051	252	762756m	4.632	ng	
90) Benzo(a)pyrene	23.639	252	1781569	10.897	ng	97
91) Dibenzo(a,h)anthracene	26.268	278	386988	2.301	ng	# 89
92) Benzo(g,h,i)perylene	27.033	276	1601351	9.637	ng	# 94

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Instrument :

BNA_P

ClientSampleId :

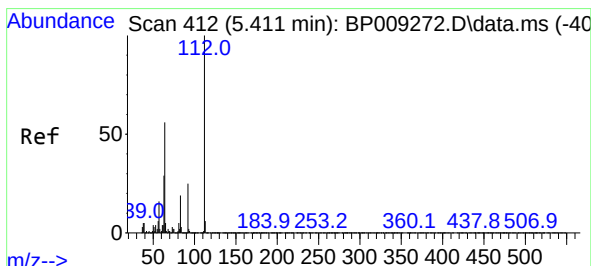
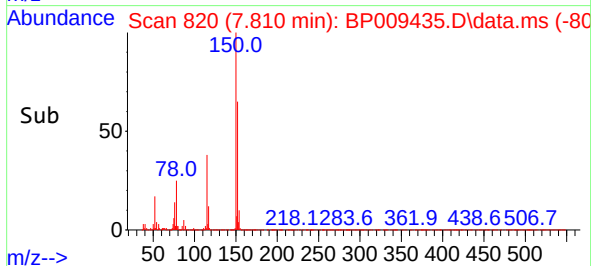
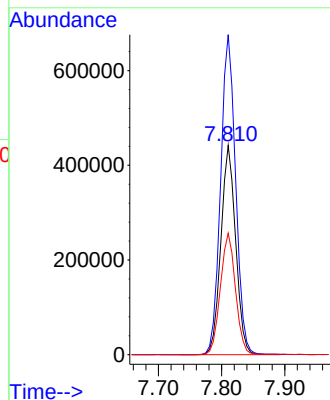
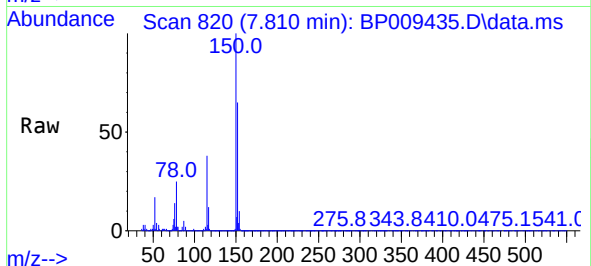
TP1(0-10)RE

Tgt Ion:152 Resp: 71843
Ion Ratio Lower Upper
152 100
150 152.9 124.5 186.7
115 58.0 48.2 72.4

Manual Integrations

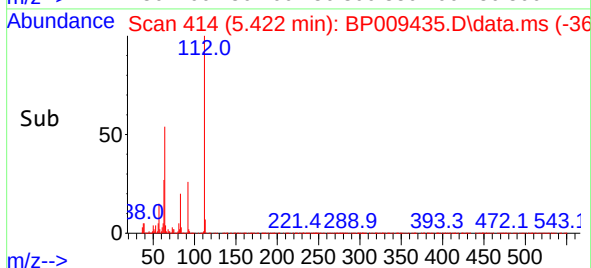
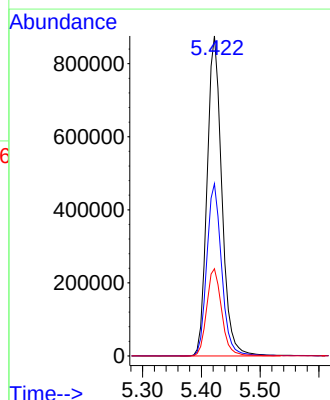
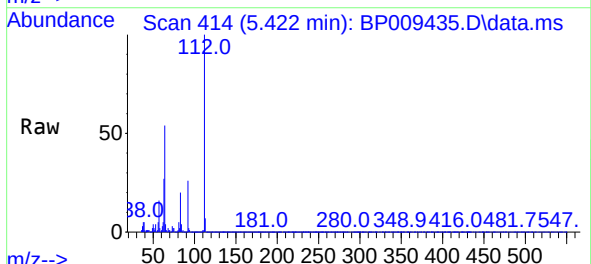
APPROVED

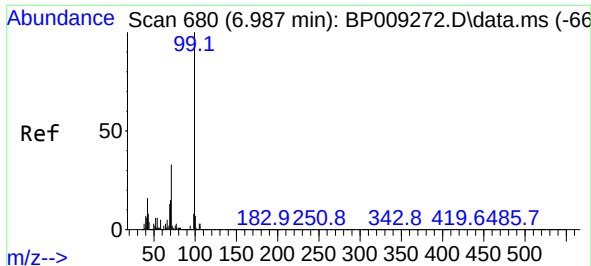
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#5
2-Fluorophenol
Concen: 30.915 ng
RT: 5.422 min Scan# 414
Delta R.T. 0.011 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

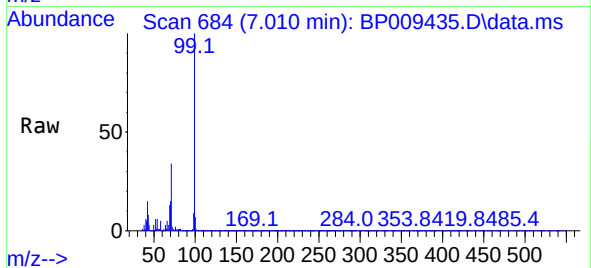
Tgt Ion:112 Resp: 1521585
Ion Ratio Lower Upper
112 100
64 53.8 45.0 67.4
63 27.2 23.0 34.6





#7
Phenol-d6
Concen: 30.848 ng
RT: 7.010 min Scan# 61
Delta R.T. 0.023 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

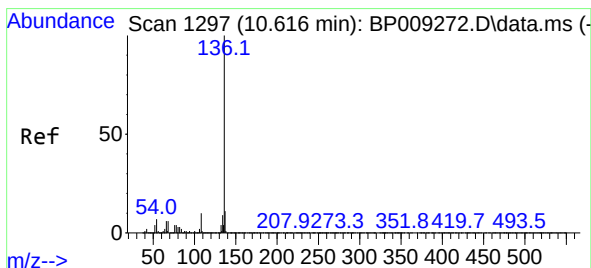
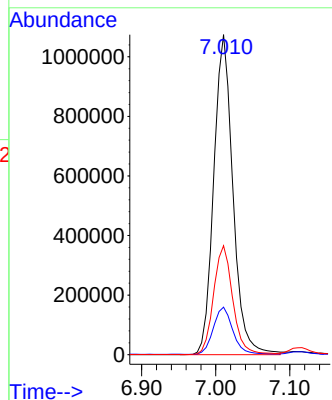
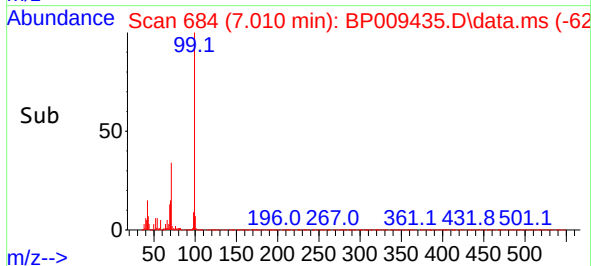
Instrument :
BNA_P
ClientSampleId :
TP1(0-10)RE



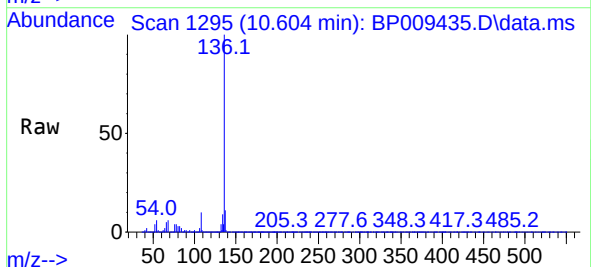
Tgt Ion: 99 Resp: 1929438
Ion Ratio Lower Upper
99 100
42 14.9 12.8 19.2
71 34.1 26.3 39.5

Manual Integrations
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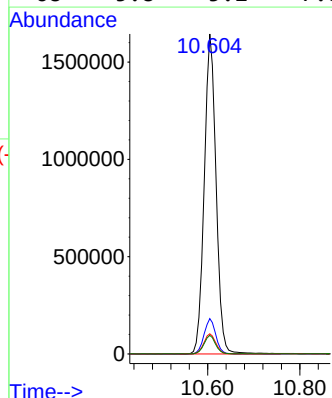
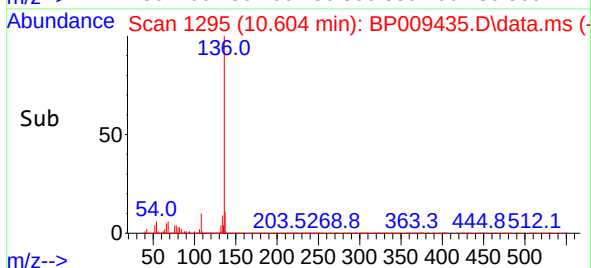
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

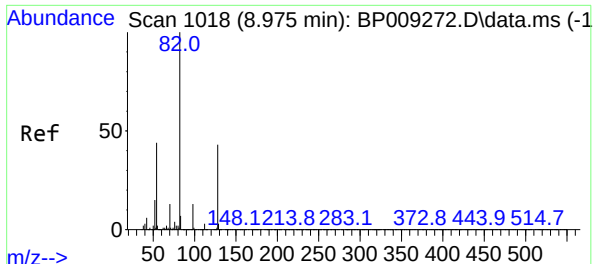


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16



Tgt Ion:136 Resp: 2942898
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 6.3 5.8 8.8
68 5.8 5.2 7.8





#23

Nitrobenzene-d5

Concen: 20.721 ng

RT: 8.963 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BP009435.D

Acq: 16 Mar 2022 22:16

Instrument :

BNA_P

ClientSampleId :

TP1(0-10)RE

Tgt Ion: 82 Resp: 110716

Ion Ratio Lower Upper

82 100

128 44.4 34.2 51.4

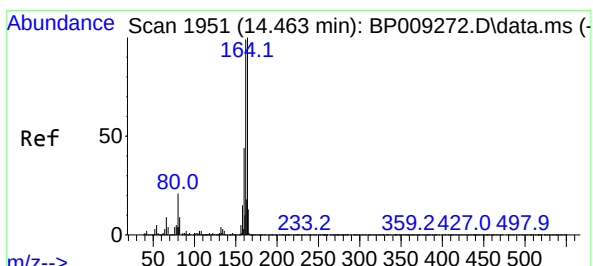
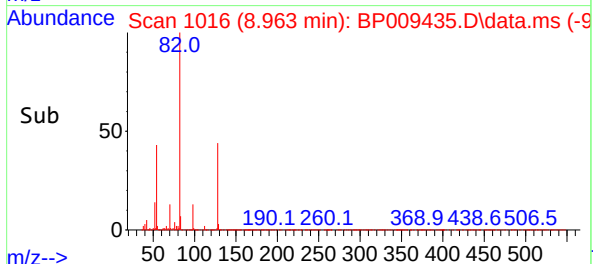
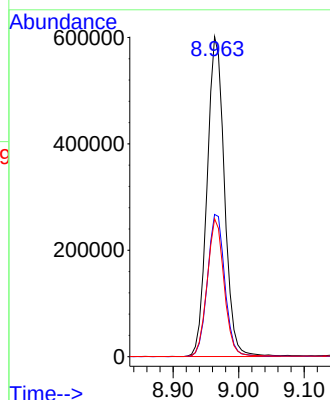
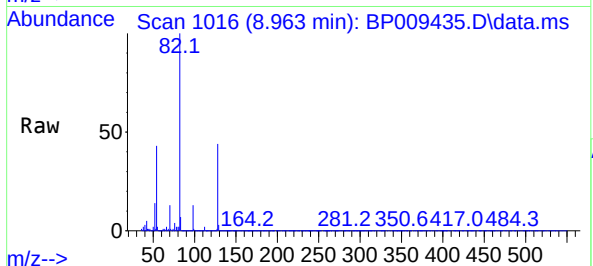
54 43.1 34.7 52.1

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1949

Delta R.T. -0.012 min

Lab File: BP009435.D

Acq: 16 Mar 2022 22:16

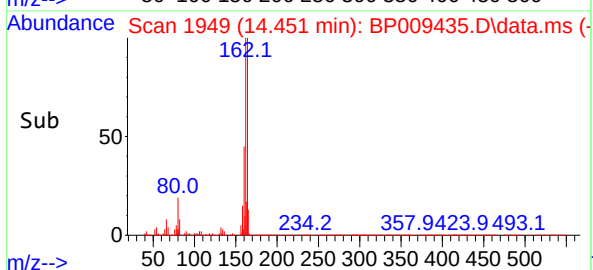
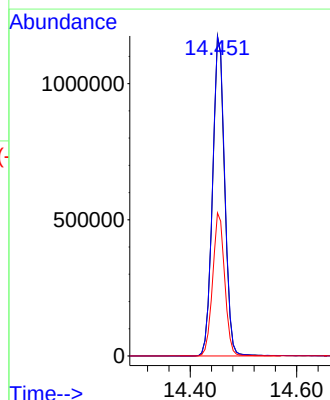
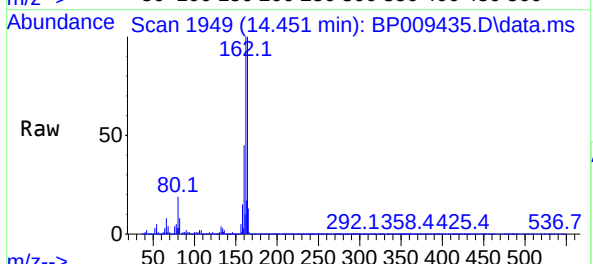
Tgt Ion:164 Resp: 1838743

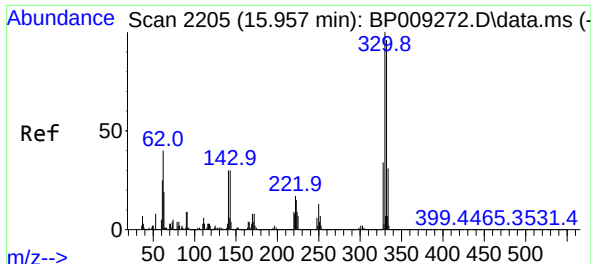
Ion Ratio Lower Upper

164 100

162 99.9 79.1 118.7

160 44.7 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 37.815 ng
RT: 15.951 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Instrument :

BNA_P

ClientSampleId :

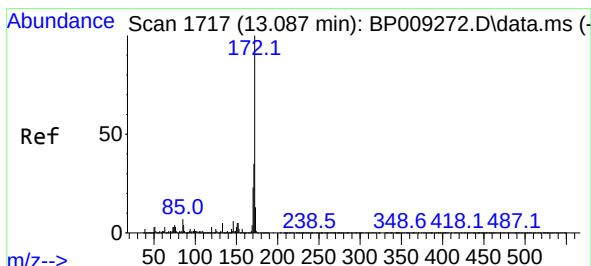
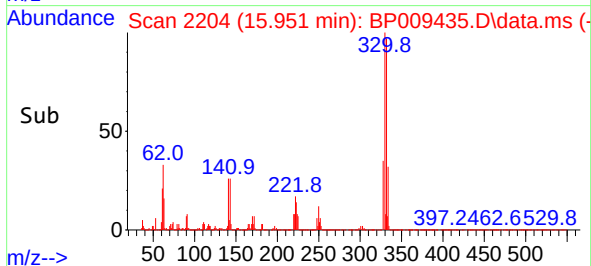
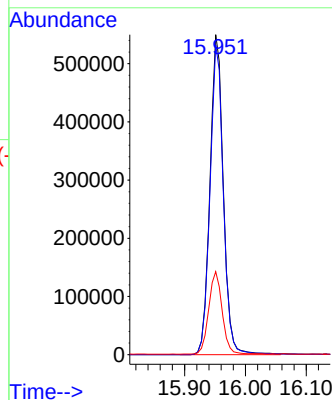
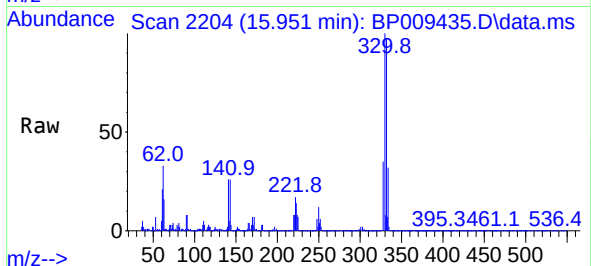
TP1(0-10)RE

Tgt Ion:330 Resp: 83959
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 26.1 27.6 41.4

Manual Integrations

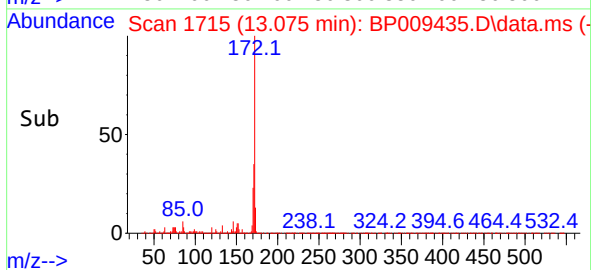
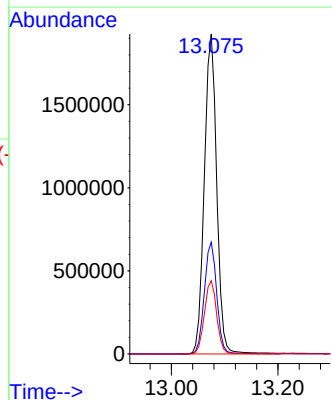
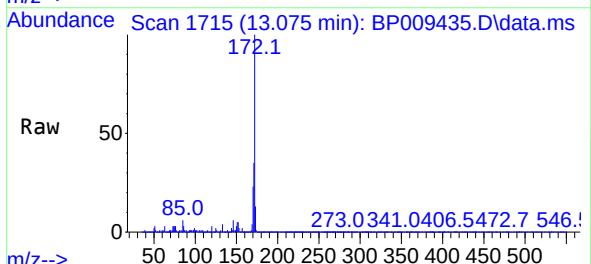
APPROVED

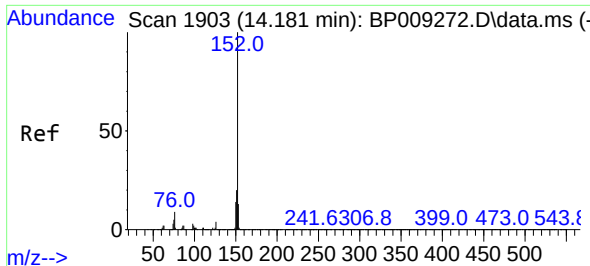
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#45
2-Fluorobiphenyl
Concen: 23.243 ng
RT: 13.075 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

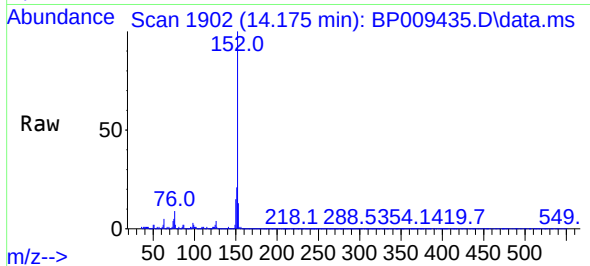
Tgt Ion:172 Resp: 3107680
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 22.9 18.6 27.8





#49
Acenaphthylene
Concen: 2.799 ng
RT: 14.175 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

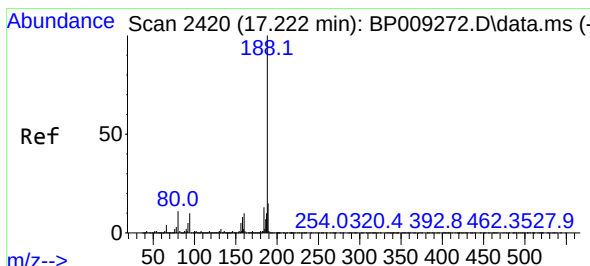
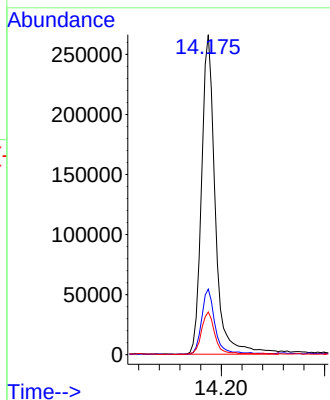
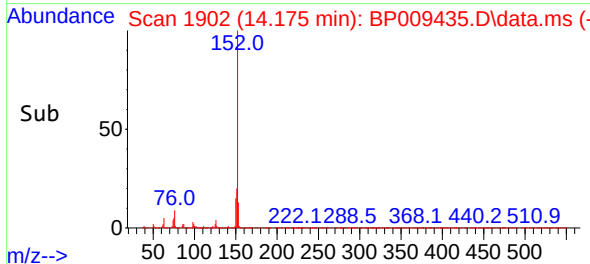
Instrument :
BNA_P
ClientSampleId :
TP1(0-10)RE



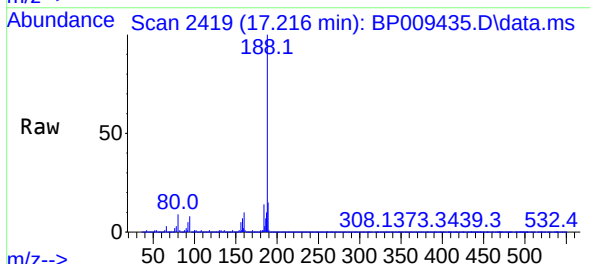
Tgt Ion:152 Resp: 491840
Ion Ratio Lower Upper
152 100
151 20.5 15.9 23.9
153 13.3 10.7 16.1

Manual Integrations
APPROVED

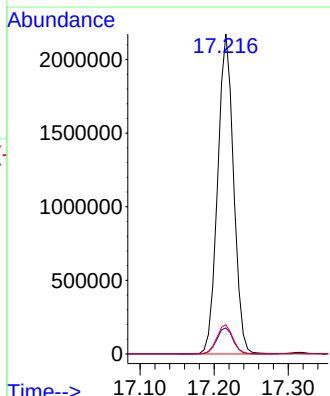
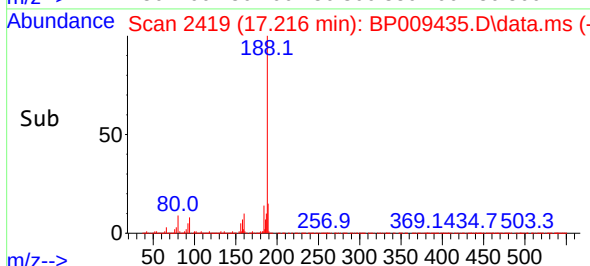
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

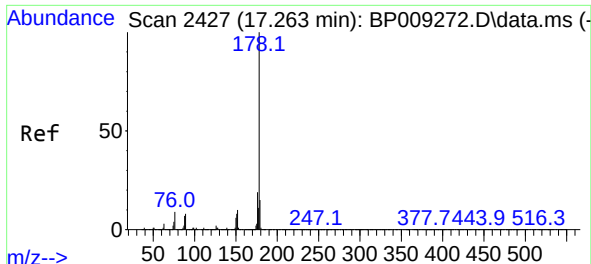


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16



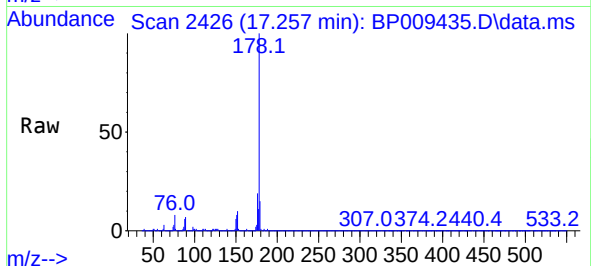
Tgt Ion:188 Resp: 3242971
Ion Ratio Lower Upper
188 100
94 8.1 7.9 11.9
80 9.1 8.8 13.2





#71
Phenanthrene
Concen: 9.364 ng
RT: 17.257 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

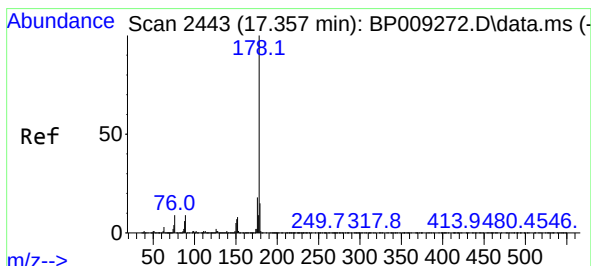
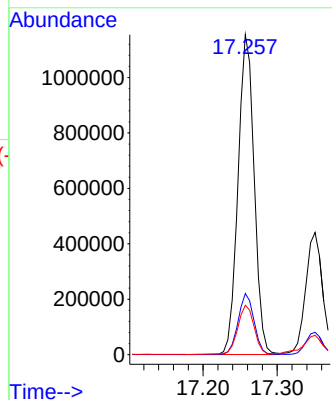
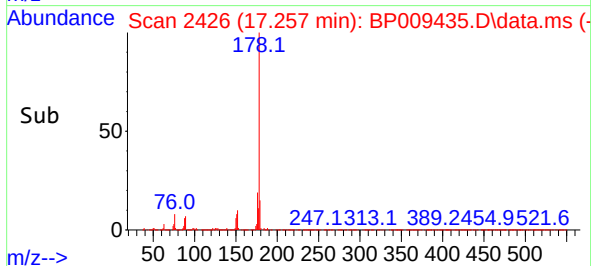
Instrument :
BNA_P
ClientSampleId :
TP1(0-10)RE



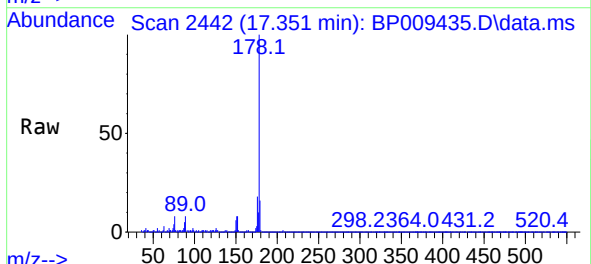
Tgt Ion:178 Resp: 174524
Ion Ratio Lower Upper
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176 19.1 15.4 23.2
179 15.5 12.3 18.5

Manual Integrations
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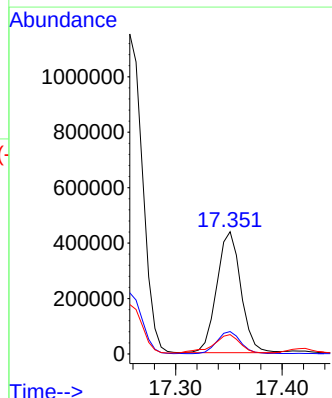
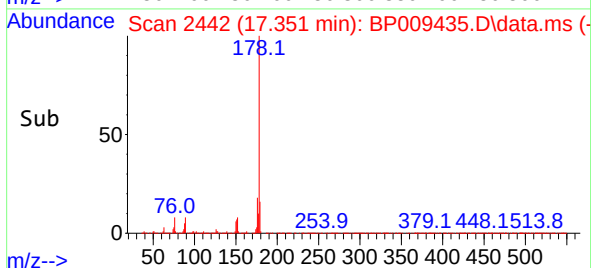
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

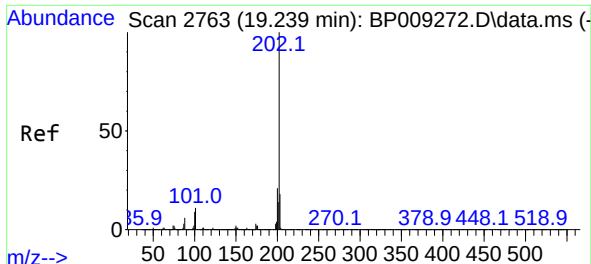


#72
Anthracene
Concen: 3.701 ng
RT: 17.351 min Scan# 2442
Delta R.T. -0.006 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16



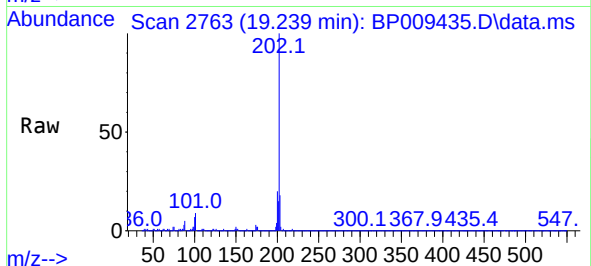
Tgt Ion:178 Resp: 686630
Ion Ratio Lower Upper
178 100
176 18.4 14.8 22.2
179 15.9 12.2 18.4





#75
Fluoranthene
Concen: 17.786 ng
RT: 19.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

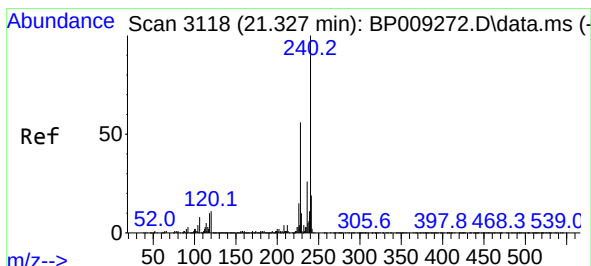
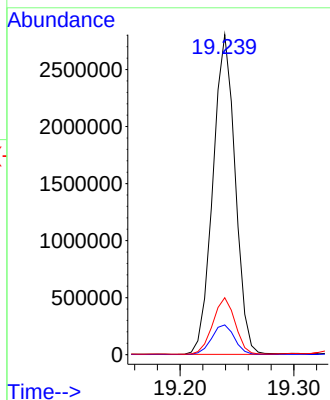
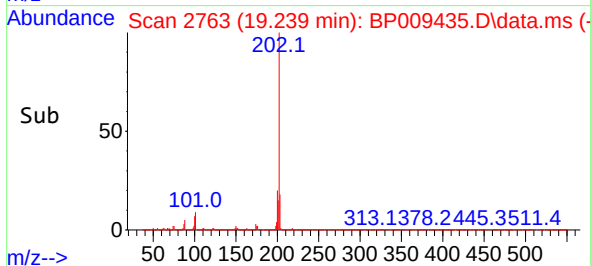
Instrument :
BNA_P
ClientSampleId :
TP1(0-10)RE



Tgt Ion:202 Resp: 382616
Ion Ratio Lower Upper
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101 9.3 0.0 31.5
203 17.8 0.0 37.8

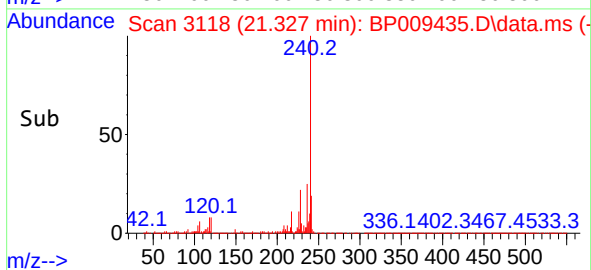
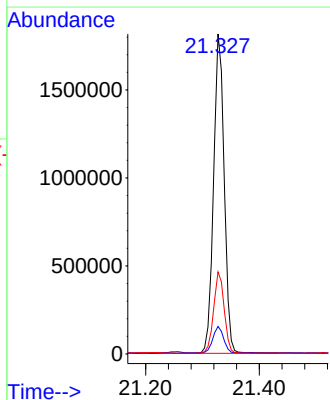
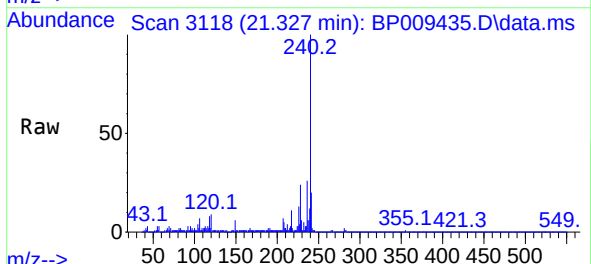
Manual Integrations
APPROVED

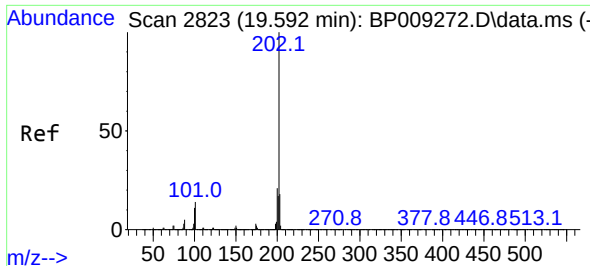
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.000 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

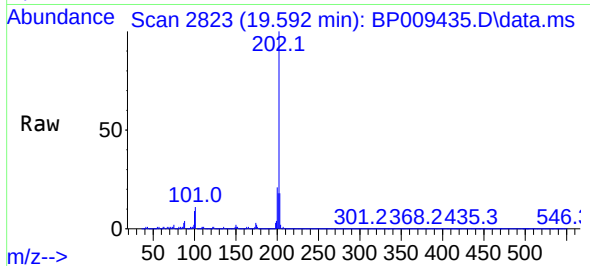
Tgt Ion:240 Resp: 2351815
Ion Ratio Lower Upper
240 100
120 8.6 9.0 13.4#
236 25.6 20.6 30.8





#78
Pyrene
Concen: 20.940 ng
RT: 19.592 min Scan# 2823
Delta R.T. -0.000 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

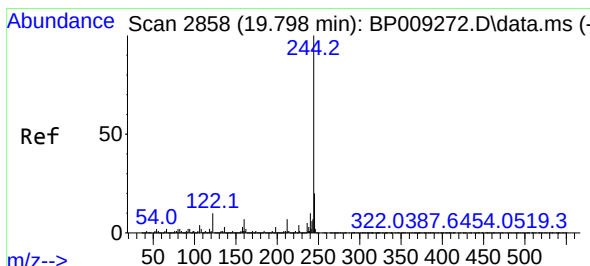
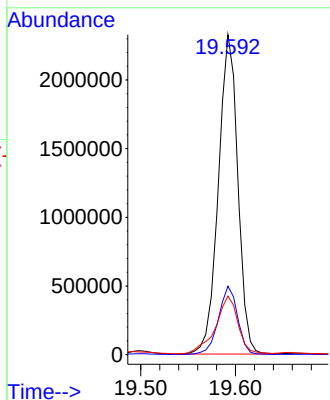
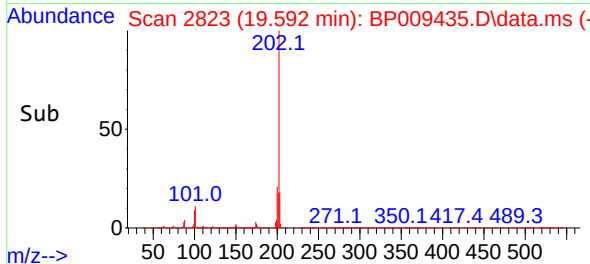
Instrument :
BNA_P
ClientSampleId :
TP1(0-10)RE



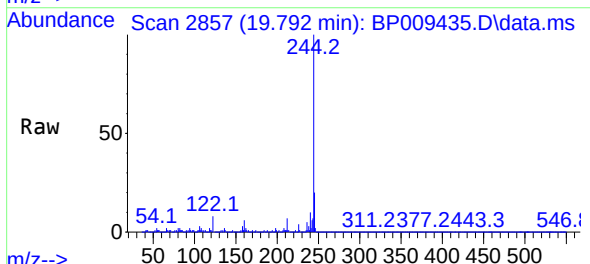
Tgt Ion:202 Resp: 3325039
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 18.3 14.2 21.4

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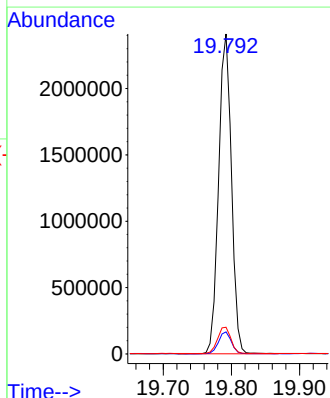
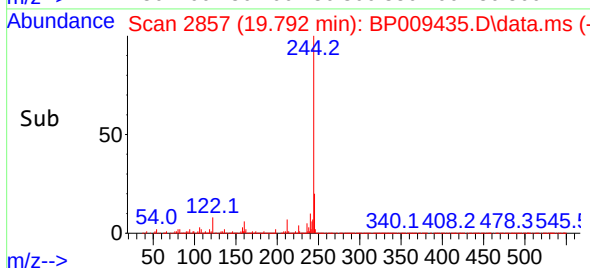
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

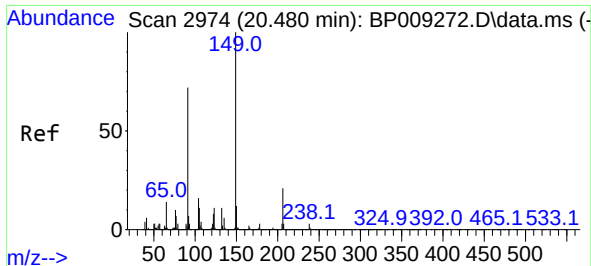


#79
Terphenyl-d14
Concen: 25.254 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.006 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16



Tgt Ion:244 Resp: 3147257
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 8.3 8.3 12.5





#80
Butylbenzylphthalate
Concen: 4.200 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Instrument :

BNA_P

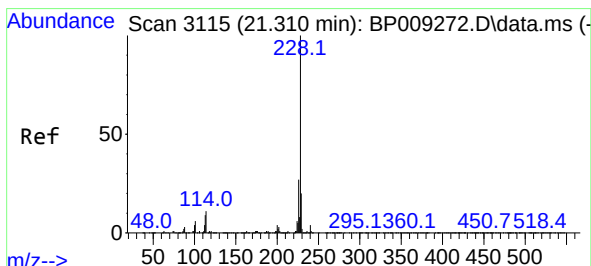
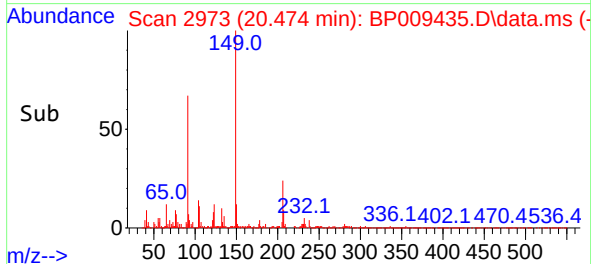
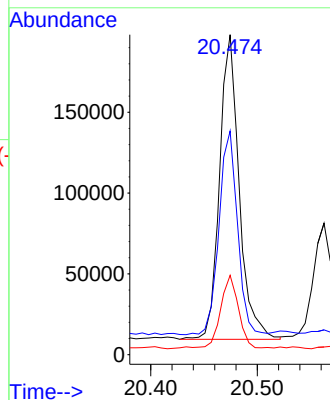
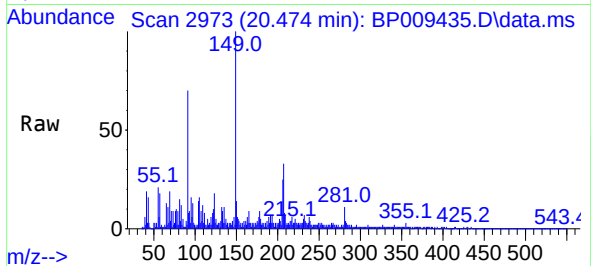
ClientSampleId :

TP1(0-10)RE

Tgt Ion:149 Resp: 240738
Ion Ratio Lower Upper
149 100
91 69.9 57.9 86.9
206 24.8 16.9 25.3

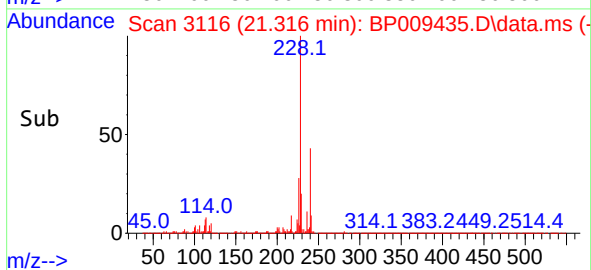
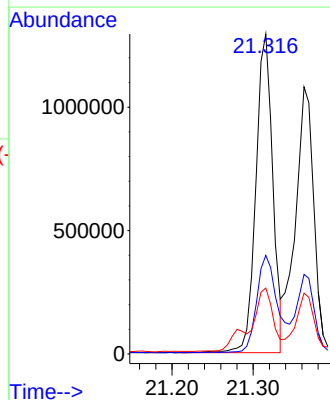
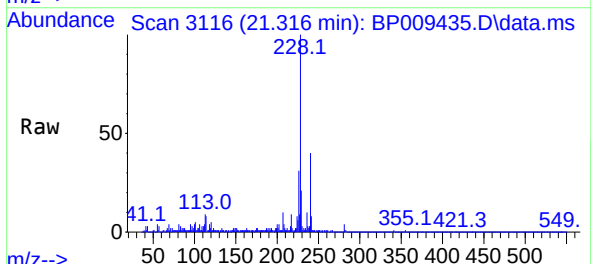
Manual Integrations
APPROVED

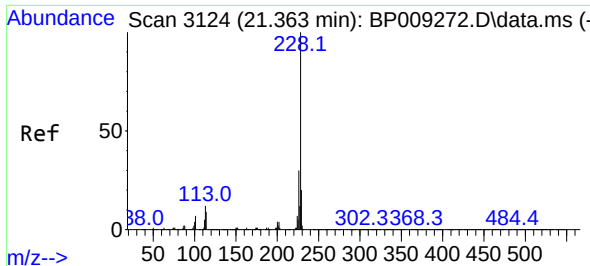
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#81
Benzo(a)anthracene
Concen: 11.735 ng
RT: 21.316 min Scan# 3116
Delta R.T. 0.006 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

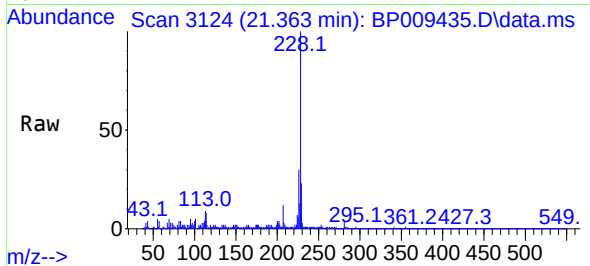
Tgt Ion:228 Resp: 1870554
Ion Ratio Lower Upper
228 100
226 30.8 22.0 33.0
229 20.6 16.1 24.1





#83
Chrysene
Concen: 11.029 ng m
RT: 21.363 min Scan# 3124
Delta R.T. -0.000 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

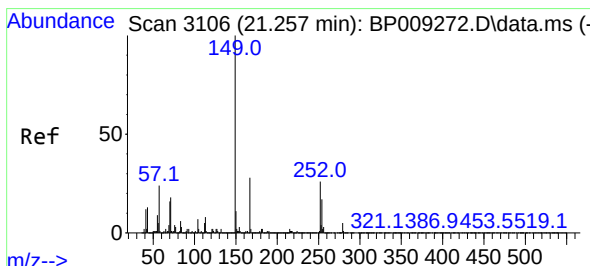
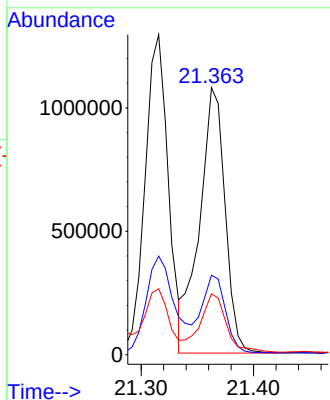
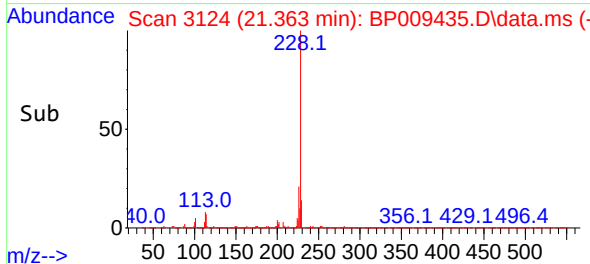
Instrument :
BNA_P
ClientSampleId :
TP1(0-10)RE



Tgt Ion:228 Resp: 1706911
Ion Ratio Lower Upper
228 100
226 29.8 24.2 36.2
229 22.8 16.1 24.1

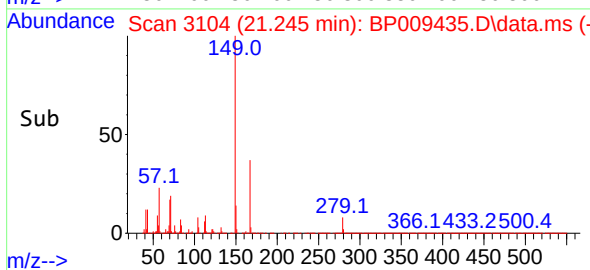
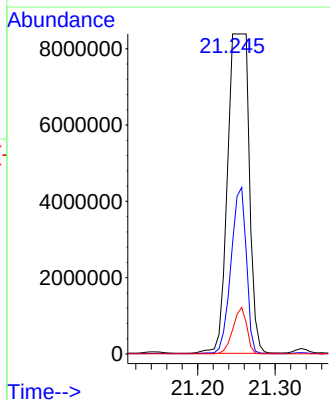
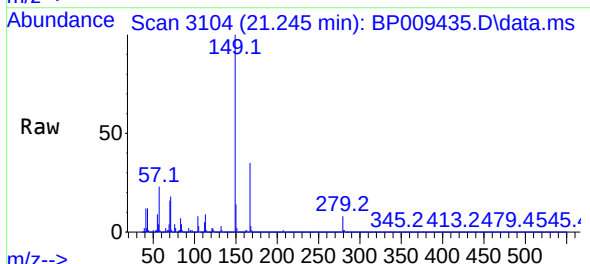
Manual Integrations
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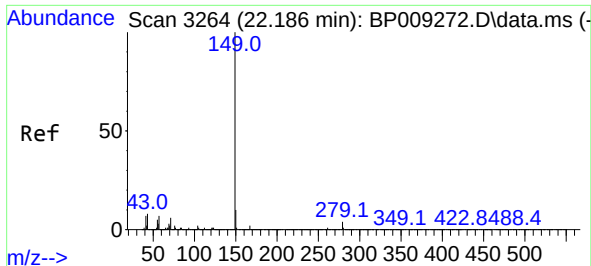
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 176.972 ng
RT: 21.245 min Scan# 3104
Delta R.T. -0.012 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

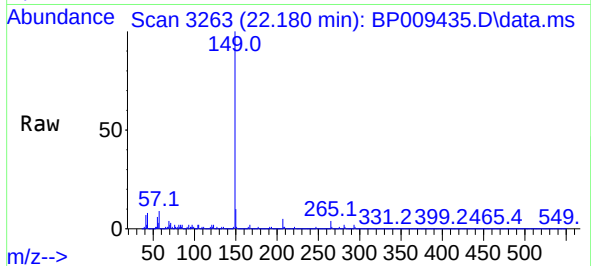
Tgt Ion:149 Resp:16222121
Ion Ratio Lower Upper
149 100
167 34.8 22.6 33.8#
279 7.6 3.8 5.6#





#85
Di-n-octyl phthalate
Concen: 37.346 ng
RT: 22.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

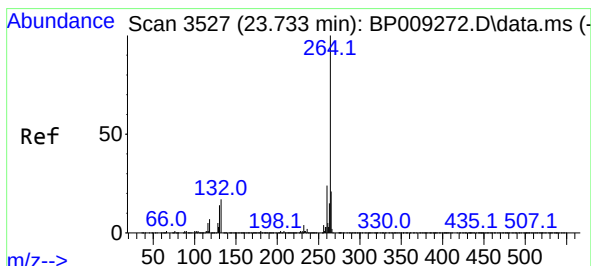
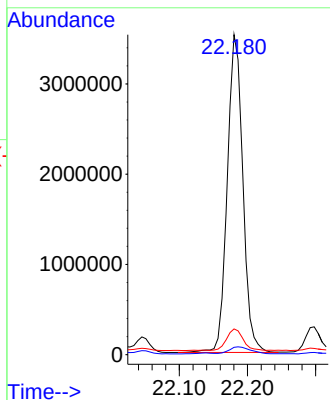
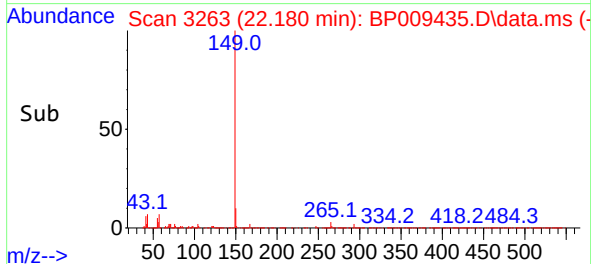
Instrument :
BNA_P
ClientSampleId :
TP1(0-10)RE



Tgt Ion:149 Resp: 5604799
Ion Ratio Lower Upper
149 100
167 3.0 1.3 1.9
43 7.0 6.9 10.3

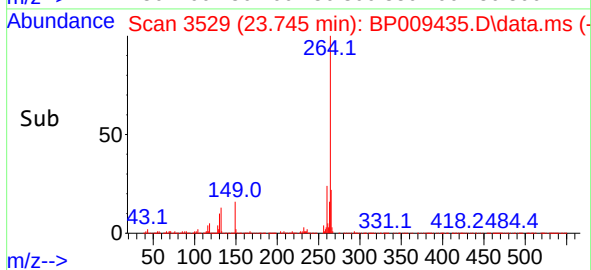
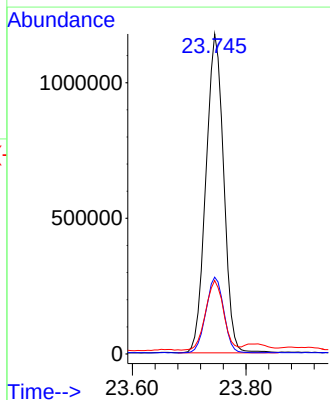
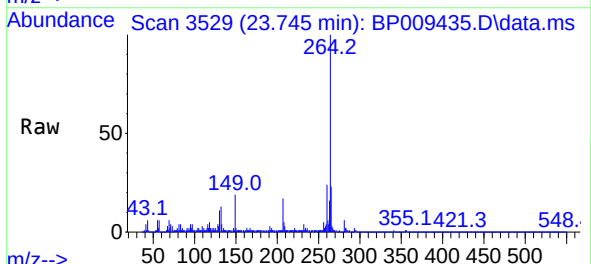
Manual Integrations
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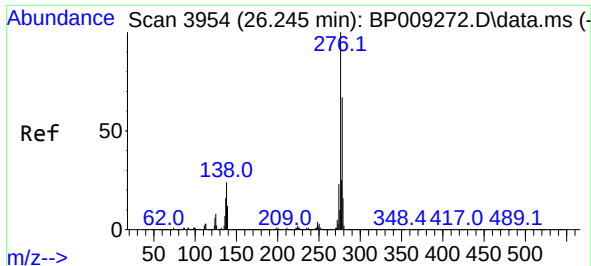
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.745 min Scan# 3529
Delta R.T. 0.012 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Tgt Ion:264 Resp: 2553124
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.0
265 22.9 17.2 25.8





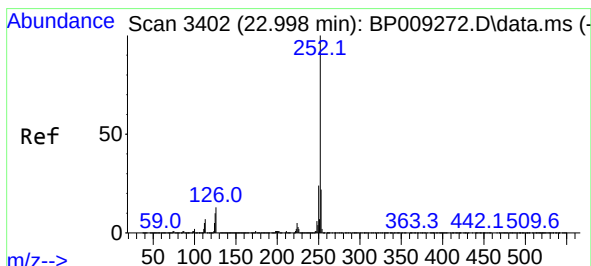
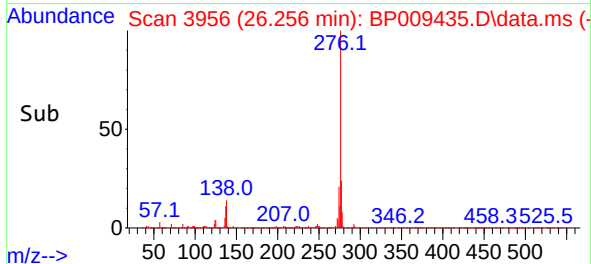
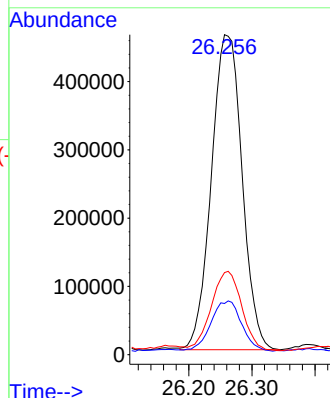
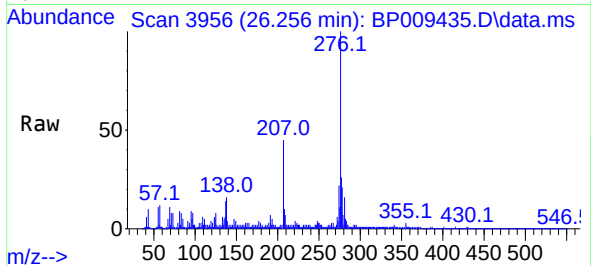
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.867 ng
RT: 26.256 min Scan# 3954
Delta R.T. 0.012 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Instrument :
BNA_P
ClientSampleId :
TP1(0-10)RE

Tgt Ion:276 Resp: 1560464
Ion Ratio Lower Upper
276 100
138 16.2 20.5 30.7
277 25.1 20.4 30.6

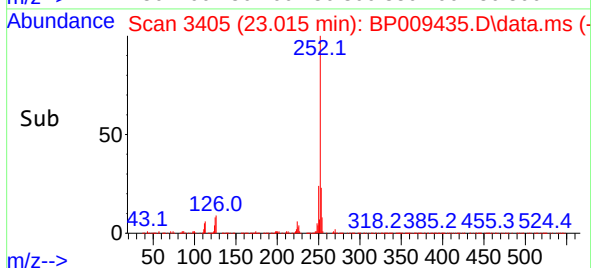
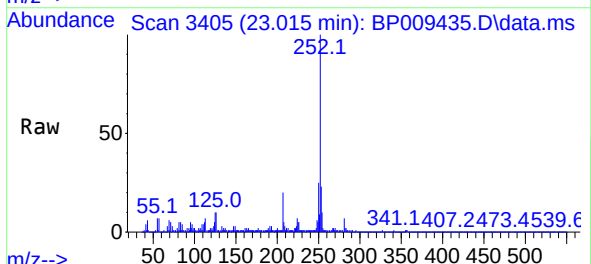
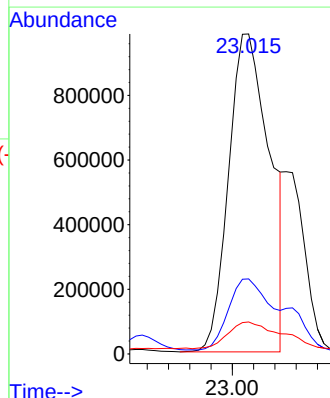
Manual Integrations
APPROVED

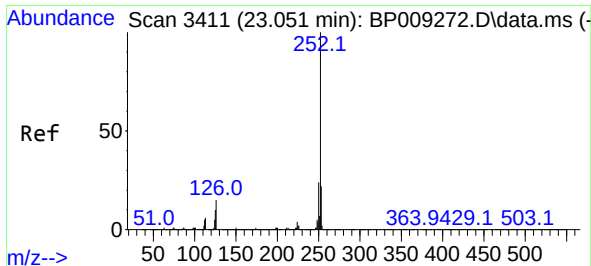
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#88
Benzo(b)fluoranthene
Concen: 15.297 ng m
RT: 23.015 min Scan# 3405
Delta R.T. 0.018 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Tgt Ion:252 Resp: 2636943
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 10.0 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 4.632 ng m
RT: 23.051 min Scan# 3411
Delta R.T. -0.000 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Instrument :

BNA_P

ClientSampleId :

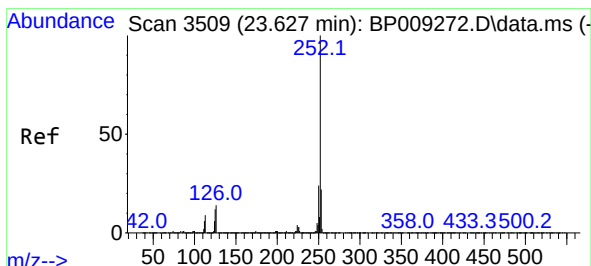
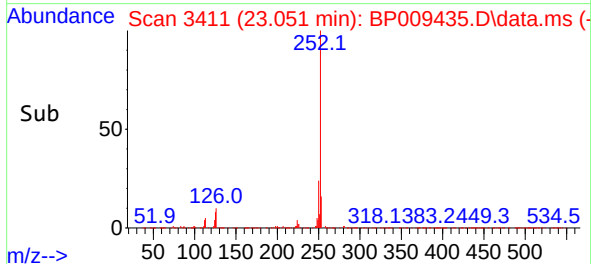
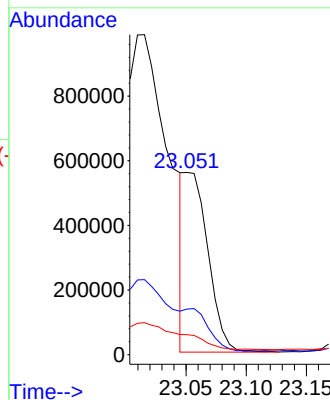
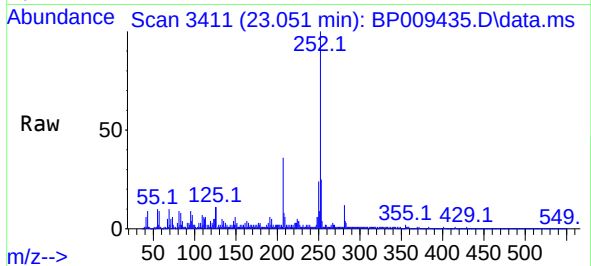
TP1(0-10)RE

Tgt Ion:252 Resp: 762750
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 11.0 8.3 12.5

Manual Integrations

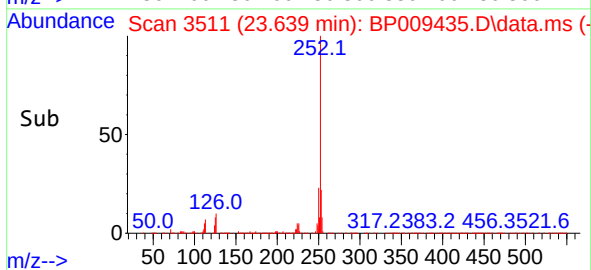
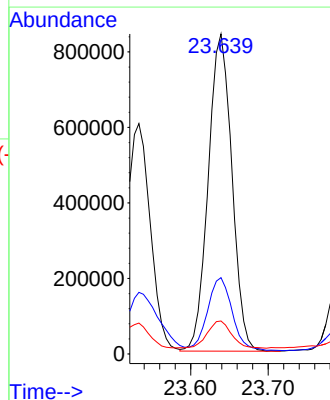
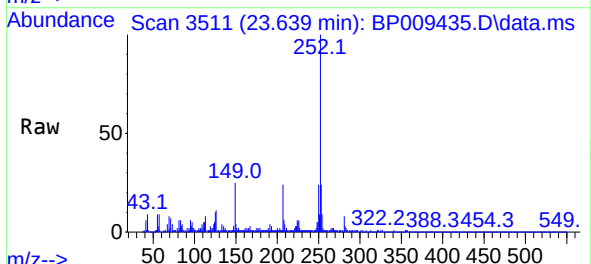
APPROVED

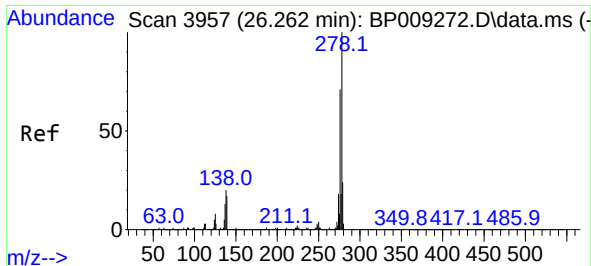
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#90
Benzo(a)pyrene
Concen: 10.897 ng
RT: 23.639 min Scan# 3511
Delta R.T. 0.012 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Tgt Ion:252 Resp: 1781569
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 10.3 9.3 13.9





#91
Dibenzo(a,h)anthracene
Concen: 2.301 ng
RT: 26.268 min Scan# 3957
Delta R.T. 0.006 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Instrument :

BNA_P

ClientSampleId :

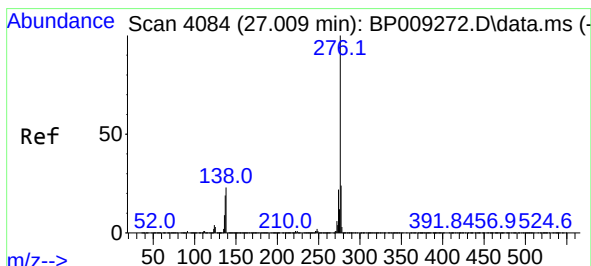
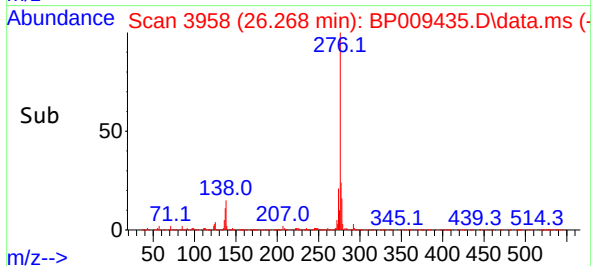
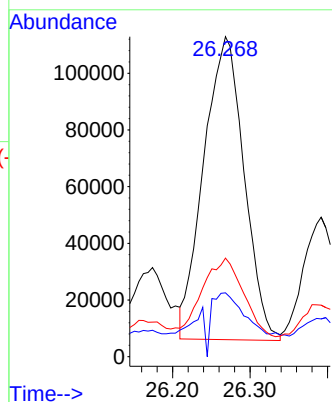
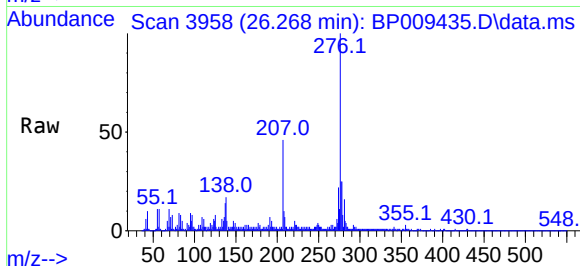
TP1(0-10)RE

Tgt Ion:278 Resp: 38698
Ion Ratio Lower Upper
278 100
139 19.9 13.2 19.8
279 30.8 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#92
Benzo(g,h,i)perylene
Concen: 9.637 ng
RT: 27.033 min Scan# 4088
Delta R.T. 0.023 min
Lab File: BP009435.D
Acq: 16 Mar 2022 22:16

Tgt Ion:276 Resp: 1601351
Ion Ratio Lower Upper
276 100
277 24.7 19.2 28.8
138 16.8 18.0 27.0

