

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031122\
 Data File : BP009373.D
 Acq On : 11 Mar 2022 19:47
 Operator : CG/JU
 Sample : N1874-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-03-030922

Manual Integrations
 APPROVED

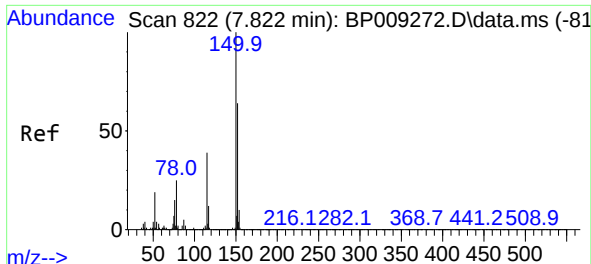
Reviewed By : Christian Giraldo 03/14/2022
 Supervised By : Jagrut Upadhyay 03/14/2022

Quant Time: Mar 12 04:52:00 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)

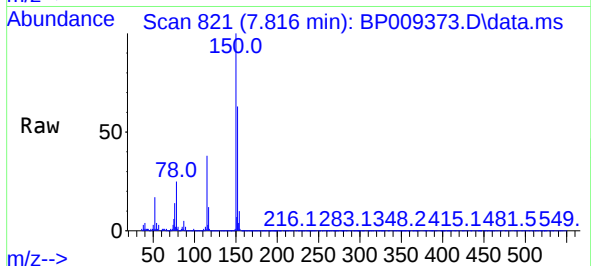
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	371789	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	1463413	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	913084	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	1906250	20.000	ng	0.00
76) Chrysene-d12	21.327	240	1842886	20.000	ng	0.00
86) Perylene-d12	23.739	264	2106114	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	991613	38.932	ng	0.02
7) Phenol-d6	7.016	99	1253548	38.728	ng	0.03
23) Nitrobenzene-d5	8.969	82	754976	28.415	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	596435	54.096	ng	0.00
45) 2-Fluorobiphenyl	13.081	172	1826224	27.505	ng	0.00
79) Terphenyl-d14	19.792	244	2807229	28.746	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.263	178	499138	4.556	ng	99
75) Fluoranthene	19.239	202	1367649	10.816	ng	98
78) Pyrene	19.592	202	1203457	9.672	ng	99
81) Benzo(a)anthracene	21.310	228	705455	5.648	ng	98
83) Chrysene	21.363	228	684520	5.644	ng	97
87) Indeno(1,2,3-cd)pyrene	26.245	276	576755	3.525	ng	# 91
88) Benzo(b)fluoranthene	23.004	252	1105747m	7.776	ng	
89) Benzo(k)fluoranthene	23.045	252	341694m	2.515	ng	
90) Benzo(a)pyrene	23.633	252	791401	5.868	ng	# 95
92) Benzo(g,h,i)perylene	27.015	276	558850	4.077	ng	# 93

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.816 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

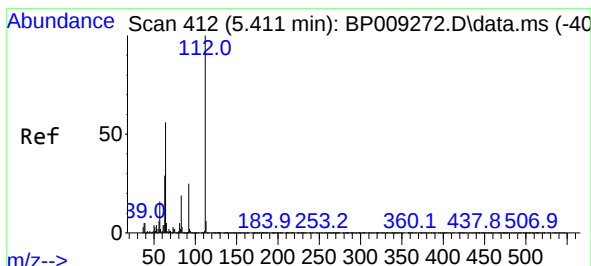
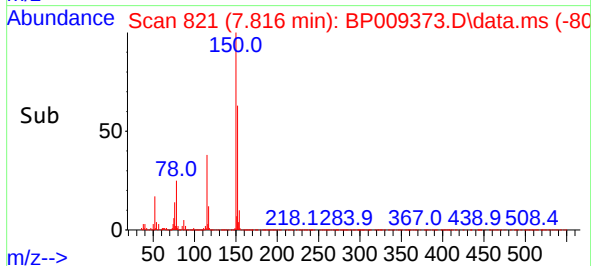
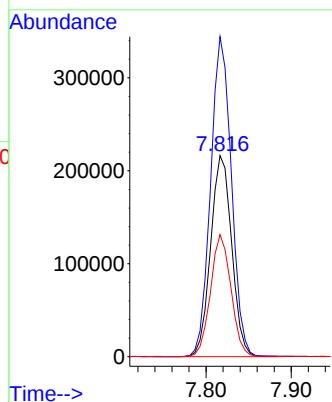
Instrument :
BNA_P
ClientSampleId :
EO-03-030922



Tgt Ion:152 Resp: 371789
Ion Ratio Lower Upper
152 100
150 159.1 124.5 186.7
115 60.7 48.2 72.4

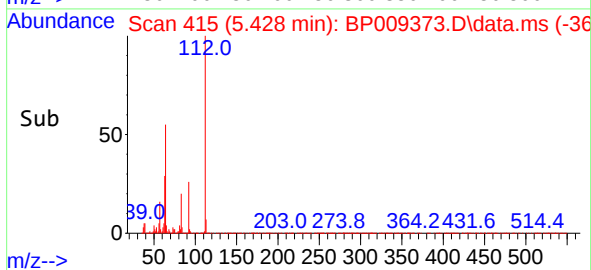
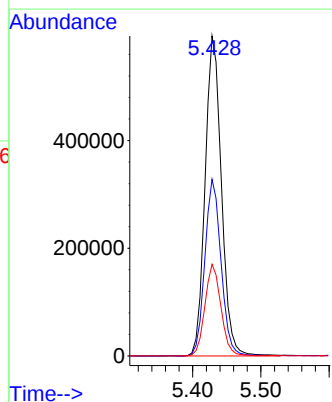
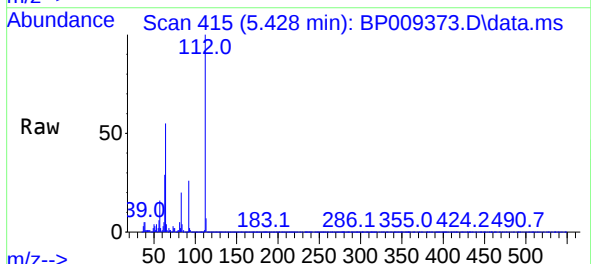
Manual Integrations
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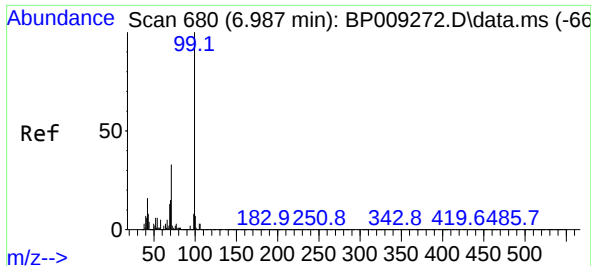
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#5
2-Fluorophenol
Concen: 38.932 ng
RT: 5.428 min Scan# 415
Delta R.T. 0.017 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

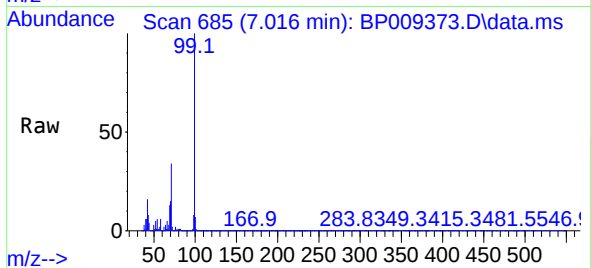
Tgt Ion:112 Resp: 991613
Ion Ratio Lower Upper
112 100
64 55.2 45.0 67.4
63 28.7 23.0 34.6





Phenol-d6
Concen: 38.728 ng
RT: 7.016 min Scan# 61
Delta R.T. 0.029 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

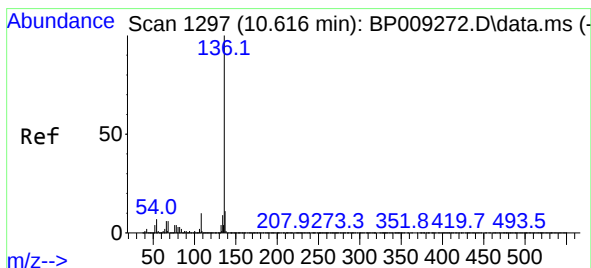
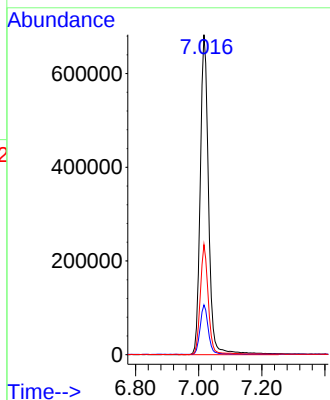
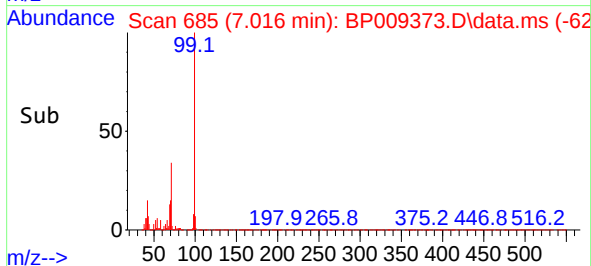
Instrument :
BNA_P
ClientSampleId :
EO-03-030922



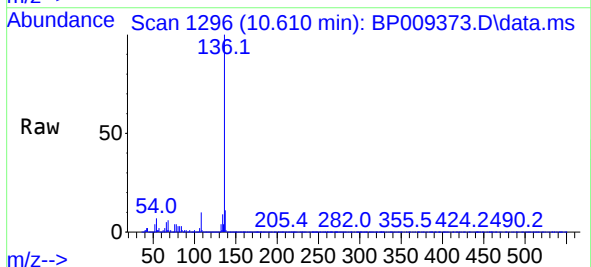
Tgt Ion: 99 Resp: 125354
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 34.4 26.3 39.5

Manual Integrations
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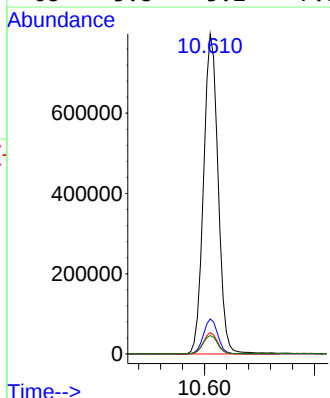
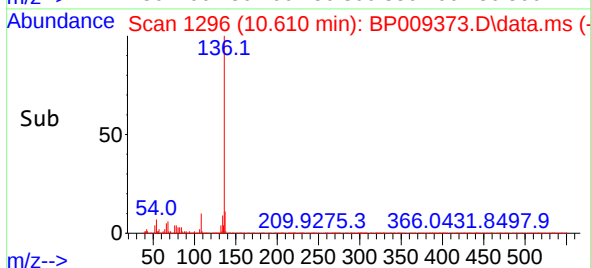
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

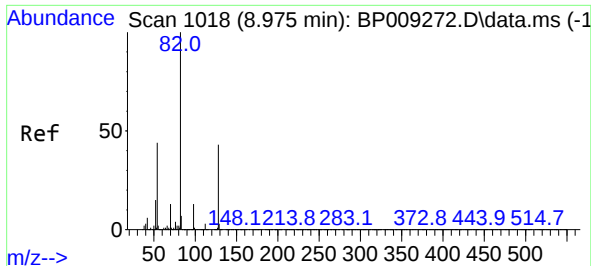


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47



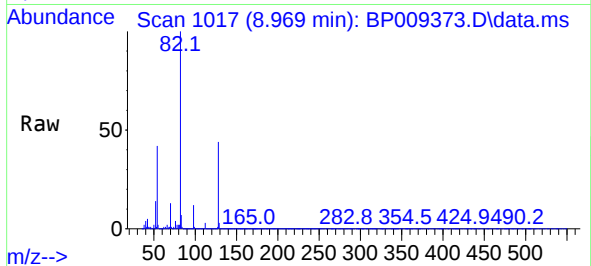
Tgt Ion:136 Resp: 1463413
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.6 5.8 8.8
68 5.8 5.2 7.8





#23
Nitrobenzene-d5
Concen: 28.415 ng
RT: 8.969 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

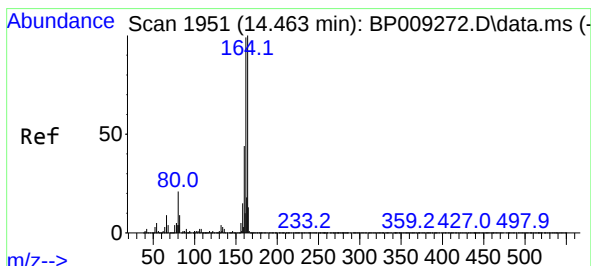
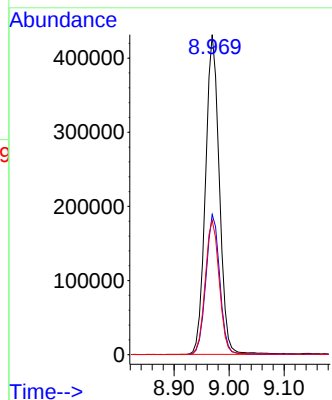
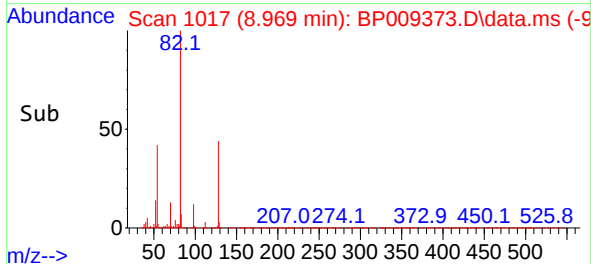
Instrument :
BNA_P
ClientSampleId :
EO-03-030922



Tgt Ion: 82 Resp: 754970
Ion Ratio Lower Upper
82 100
128 43.8 34.2 51.4
54 42.0 34.7 52.1

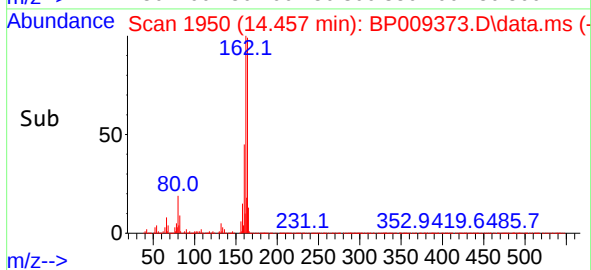
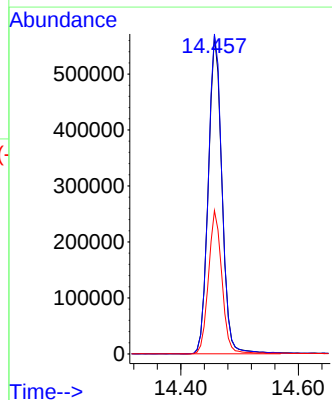
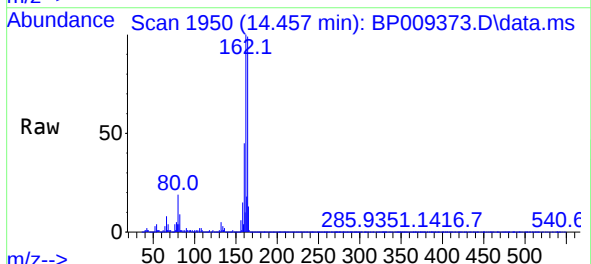
Manual Integrations
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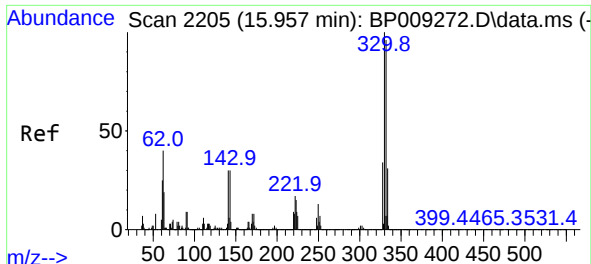
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

Tgt Ion:164 Resp: 913084
Ion Ratio Lower Upper
164 100
162 100.7 79.1 118.7
160 45.1 34.9 52.3





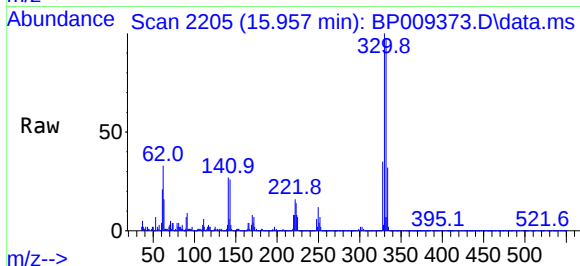
#42
2,4,6-Tribromophenol
Concen: 54.096 ng
RT: 15.957 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

Instrument :

BNA_P

ClientSampleId :

EO-03-030922

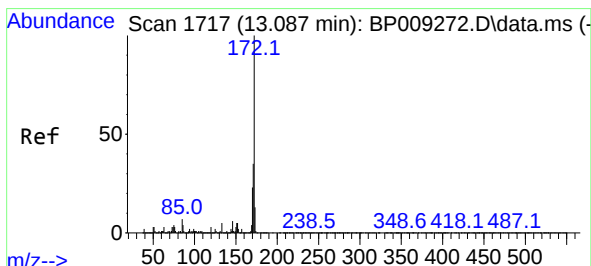
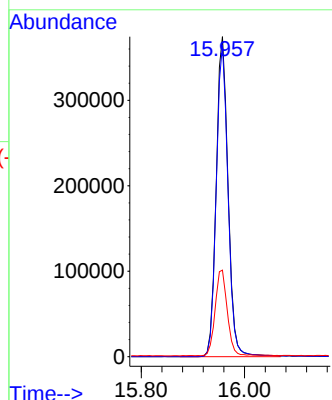
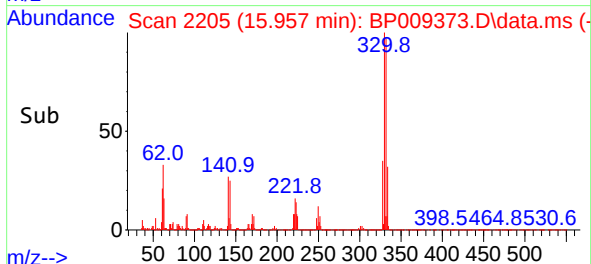


Tgt Ion:330 Resp: 59643
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 27.6 27.6 41.4

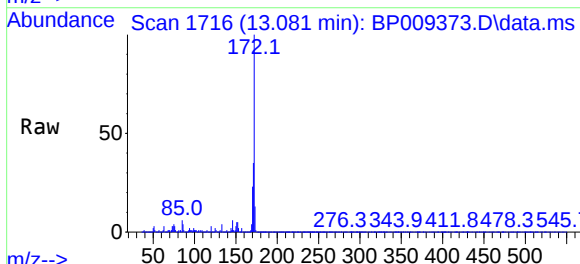
Manual Integrations

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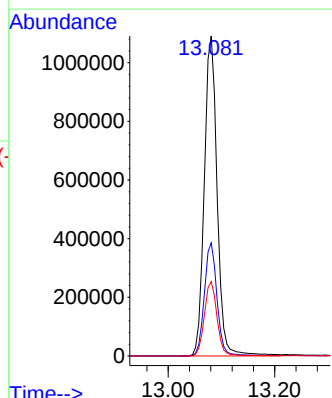
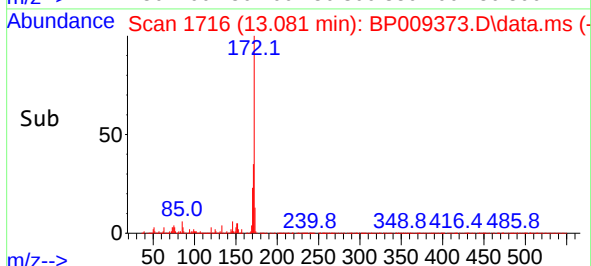
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

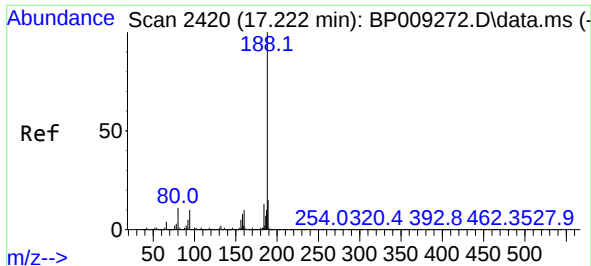


#45
2-Fluorobiphenyl
Concen: 27.505 ng
RT: 13.081 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47



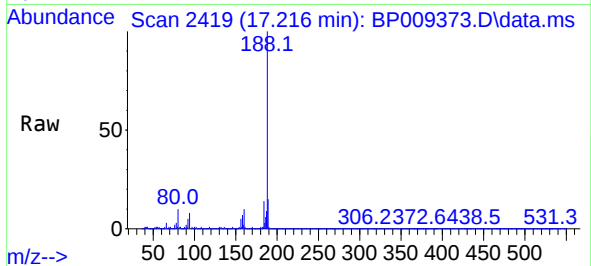
Tgt Ion:172 Resp: 1826224
Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 23.2 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

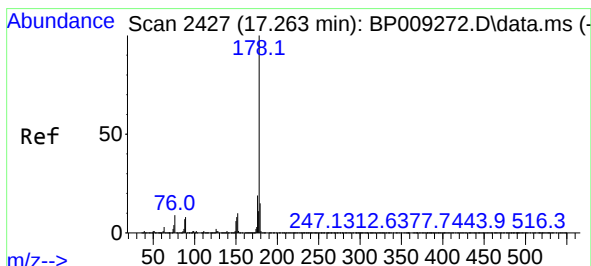
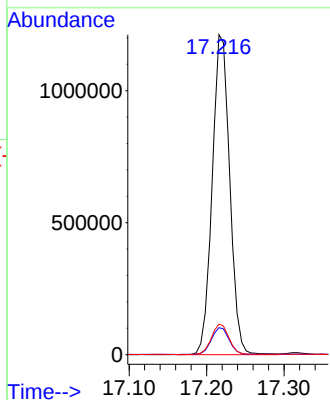
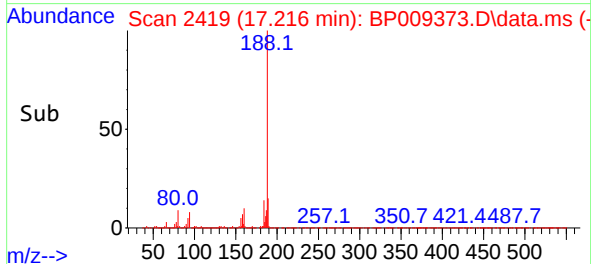
Instrument :
BNA_P
ClientSampleId :
EO-03-030922



Tgt Ion:188 Resp: 1906250
Ion Ratio Lower Upper
188 100
94 8.4 7.9 11.9
80 9.5 8.8 13.2

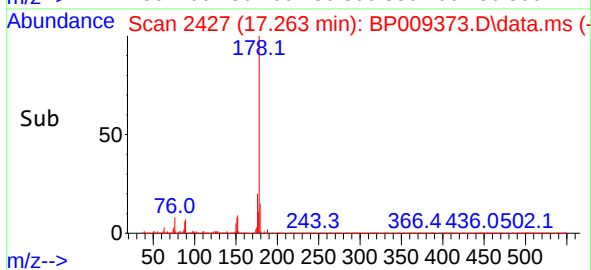
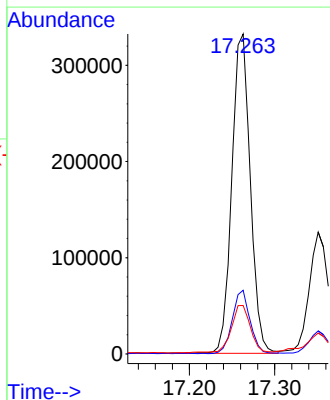
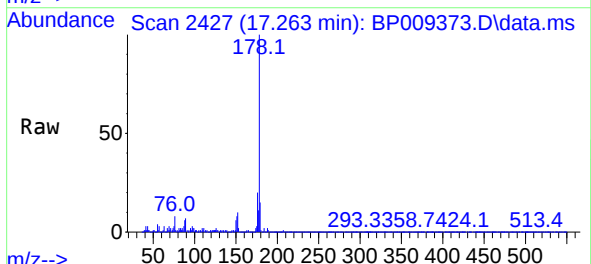
Manual Integrations
APPROVED

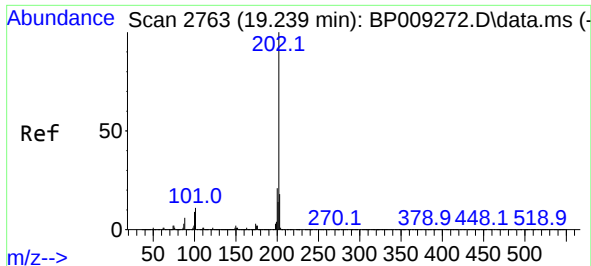
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#71
Phenanthrene
Concen: 4.556 ng
RT: 17.263 min Scan# 2427
Delta R.T. -0.000 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

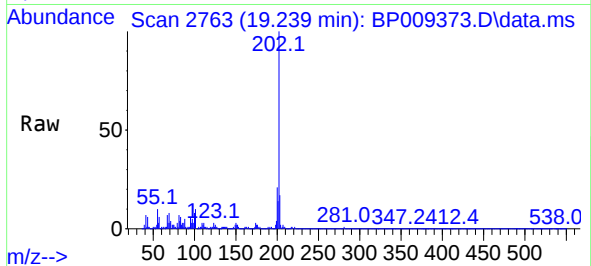
Tgt Ion:178 Resp: 499138
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 15.1 12.3 18.5





#75
Fluoranthene
Concen: 10.816 ng
RT: 19.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

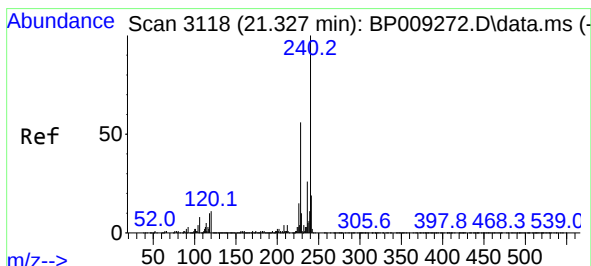
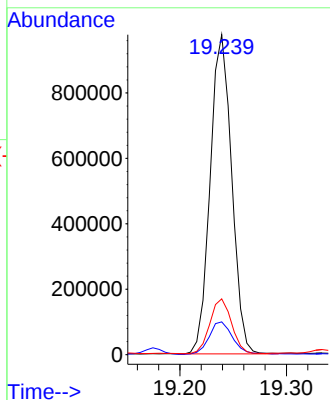
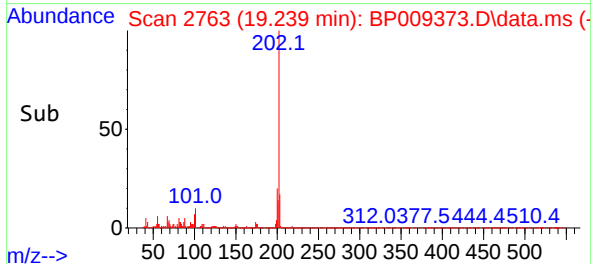
Instrument :
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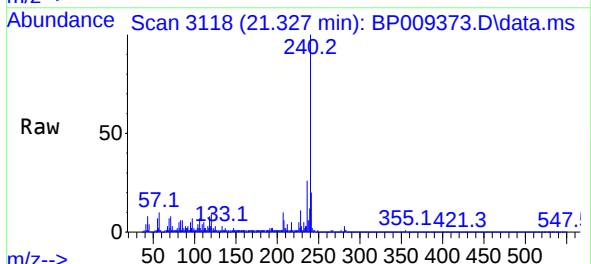
Tgt Ion:202 Resp: 1367649
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.5
203 17.5 0.0 37.8

Manual Integrations
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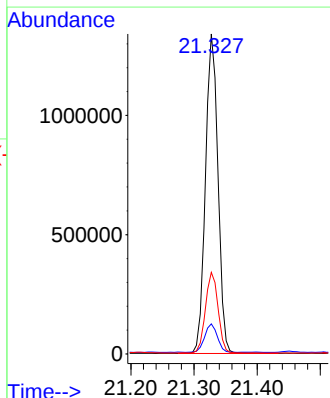
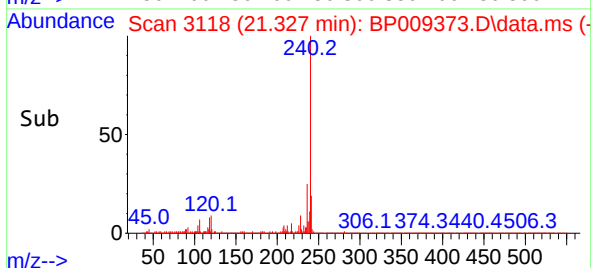
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

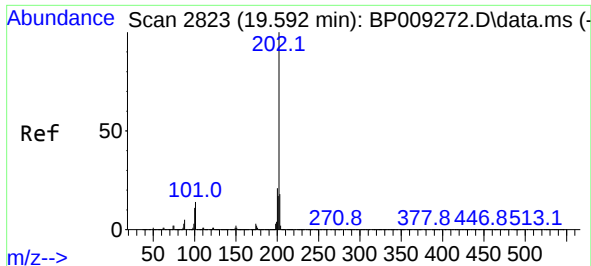


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.000 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47



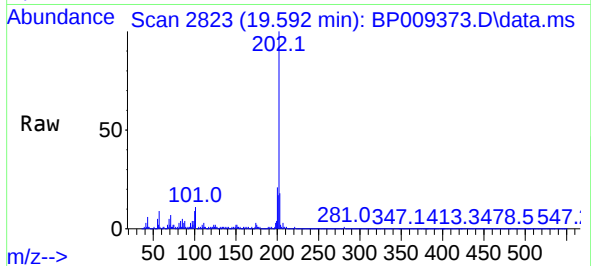
Tgt Ion:240 Resp: 1842886
Ion Ratio Lower Upper
240 100
120 9.4 9.0 13.4
236 25.5 20.6 30.8





#78
Pyrene
Concen: 9.672 ng
RT: 19.592 min Scan# 2823
Delta R.T. -0.000 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

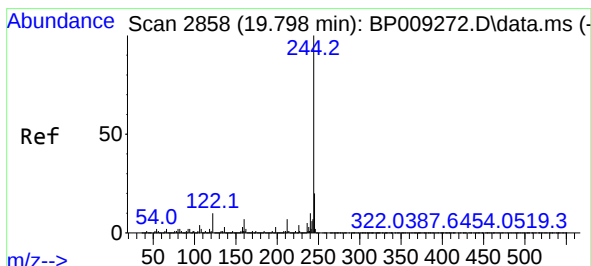
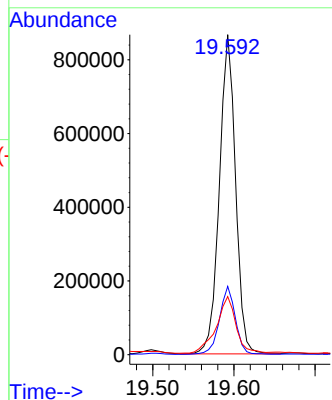
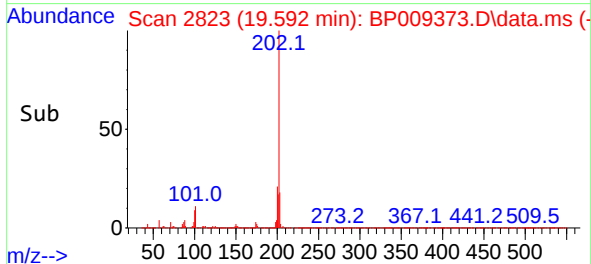
Instrument :
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EO-03-030922



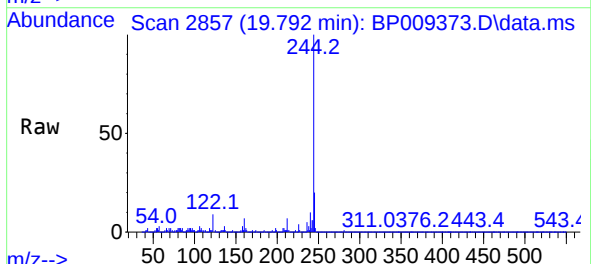
Tgt Ion:202 Resp: 120345
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 18.2 14.2 21.4

Manual Integrations
APPROVED

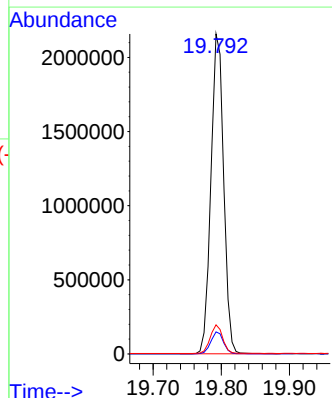
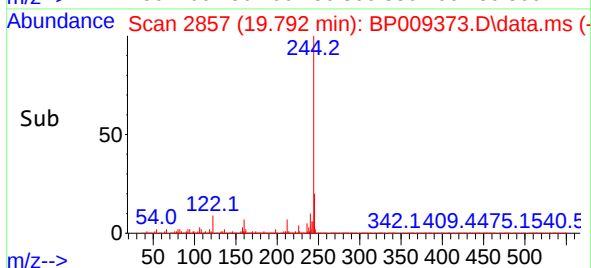
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

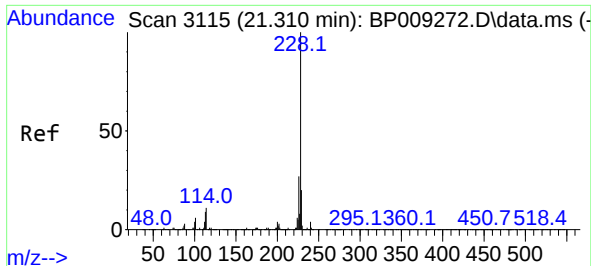


#79
Terphenyl-d14
Concen: 28.746 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.006 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47



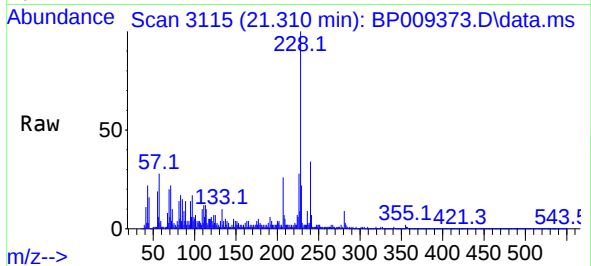
Tgt Ion:244 Resp: 2807229
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 9.1 8.3 12.5





#81
Benzo(a)anthracene
Concen: 5.648 ng
RT: 21.310 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

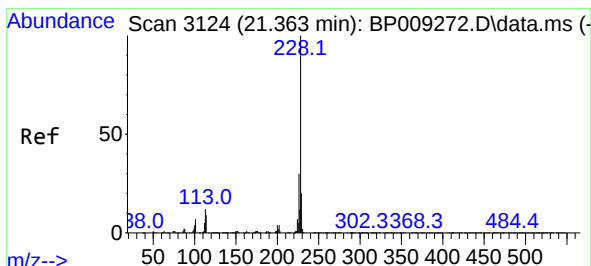
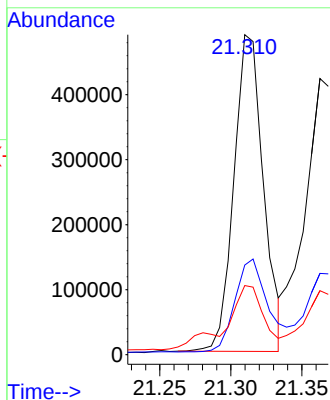
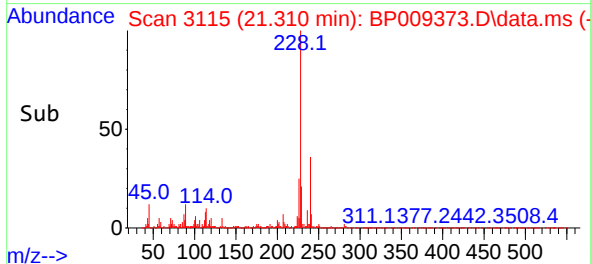
Instrument :
BNA_P
ClientSampleId :
EO-03-030922



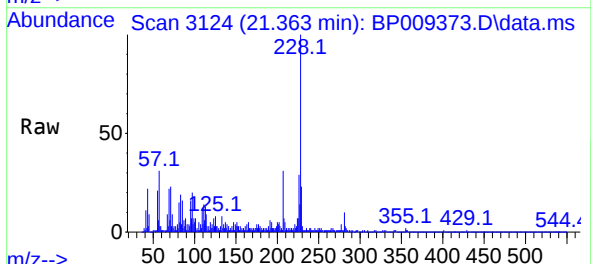
Tgt Ion:228 Resp: 70545
Ion Ratio Lower Upper
228 100
226 28.0 22.0 33.0
229 21.6 16.1 24.1

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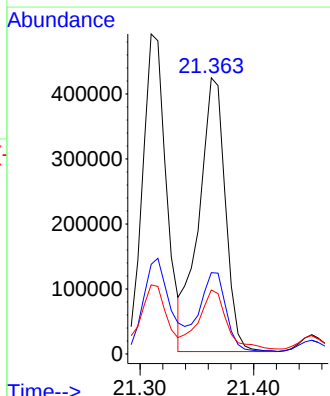
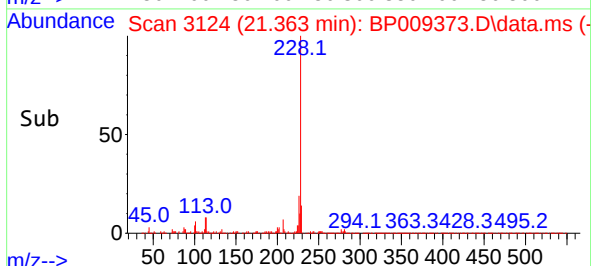
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

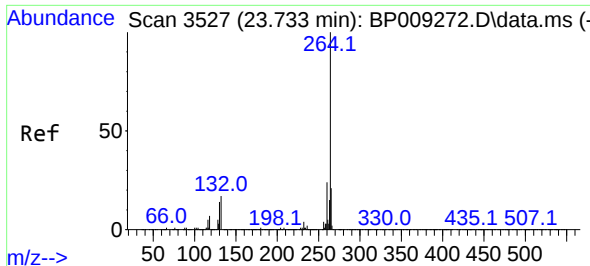


#83
Chrysene
Concen: 5.644 ng
RT: 21.363 min Scan# 3124
Delta R.T. -0.000 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47



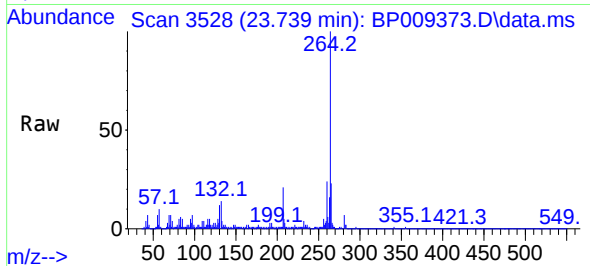
Tgt Ion:228 Resp: 684520
Ion Ratio Lower Upper
228 100
226 29.4 24.2 36.2
229 23.2 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.739 min Scan# 3527
Delta R.T. 0.006 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

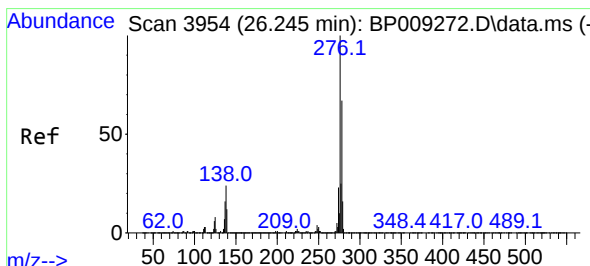
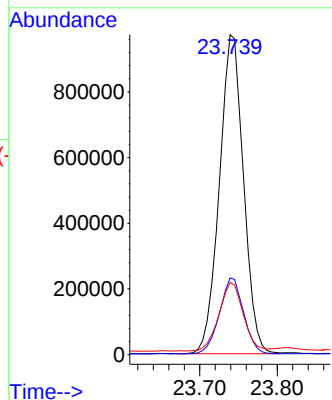
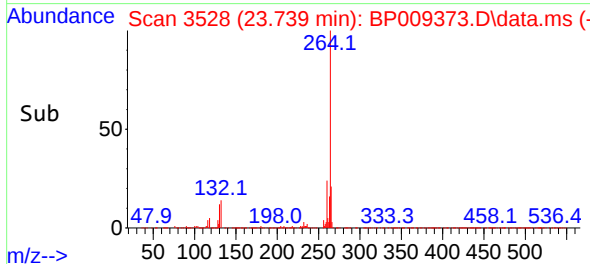
Instrument :
BNA_P
ClientSampleId :
EO-03-030922



Tgt Ion:264 Resp: 2106114
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.0
265 22.5 17.2 25.8

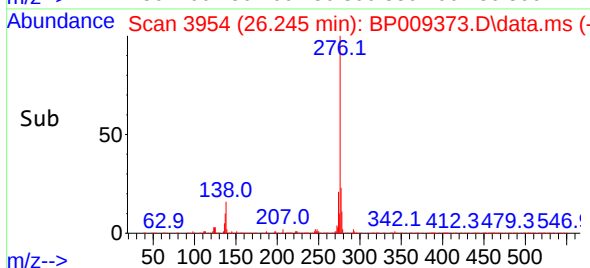
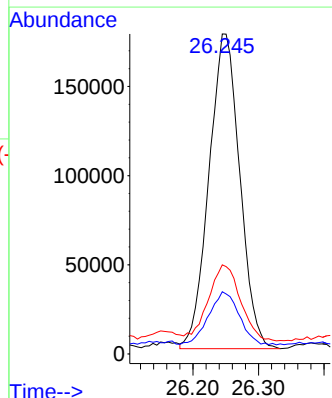
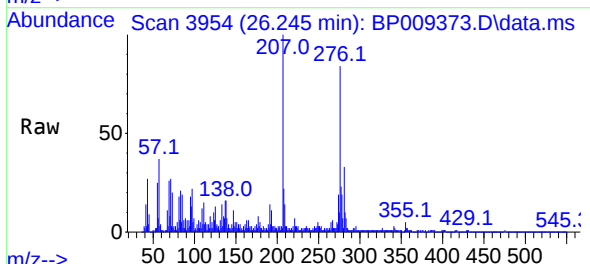
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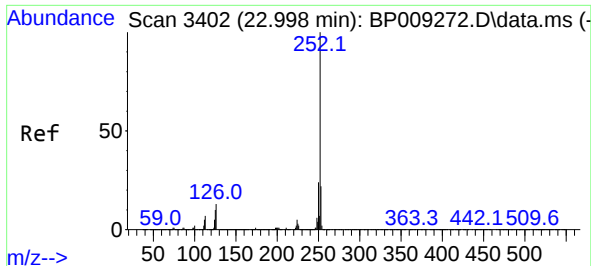
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.525 ng
RT: 26.245 min Scan# 3954
Delta R.T. -0.000 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

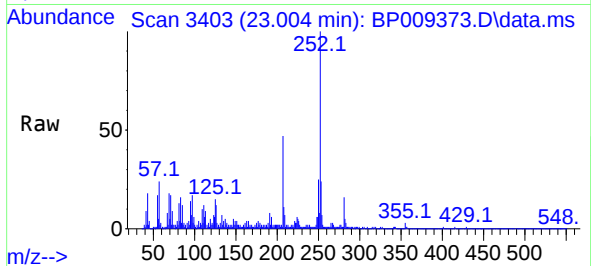
Tgt Ion:276 Resp: 576755
Ion Ratio Lower Upper
276 100
138 17.0 20.5 30.7#
277 24.9 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 7.776 ng m
RT: 23.004 min Scan# 3402
Delta R.T. 0.006 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

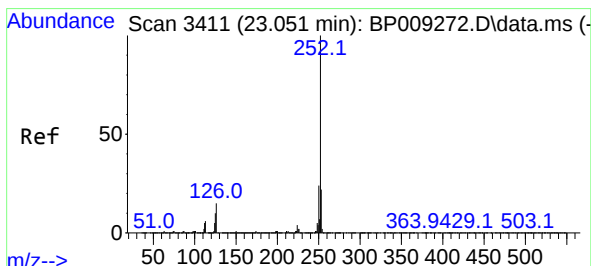
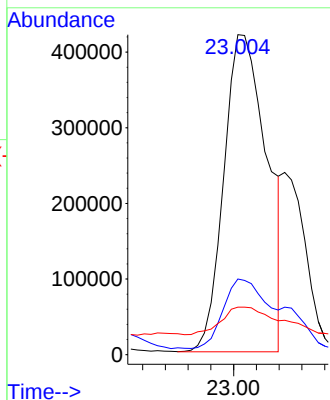
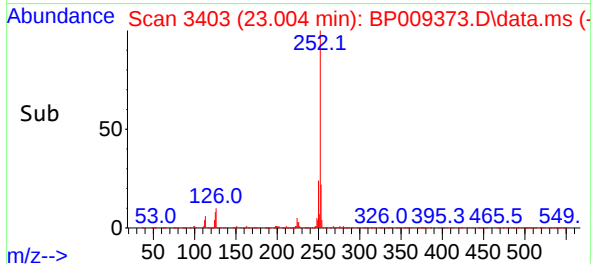
Instrument :
BNA_P
ClientSampleId :
EO-03-030922



Tgt Ion:252 Resp: 110574
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 14.8 8.1 12.1

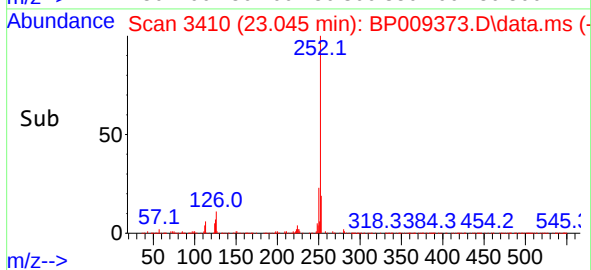
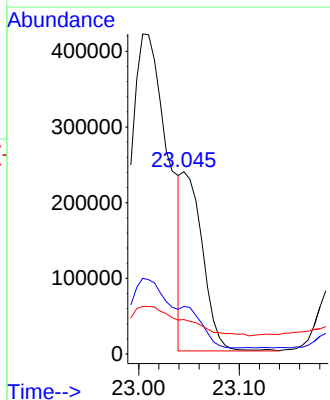
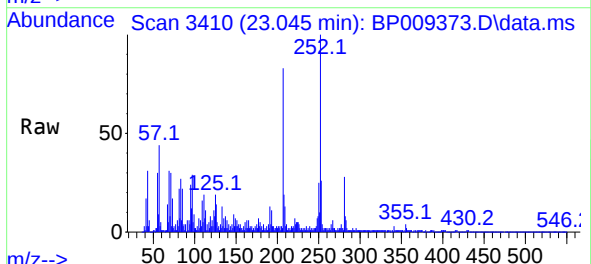
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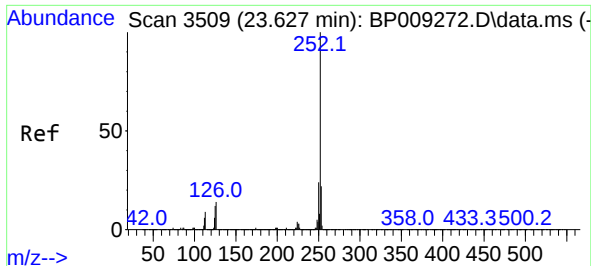
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#89
Benzo(k)fluoranthene
Concen: 2.515 ng m
RT: 23.045 min Scan# 3410
Delta R.T. -0.006 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

Tgt Ion:252 Resp: 341694
Ion Ratio Lower Upper
252 100
253 26.1 17.5 26.3
125 18.9 8.3 12.5





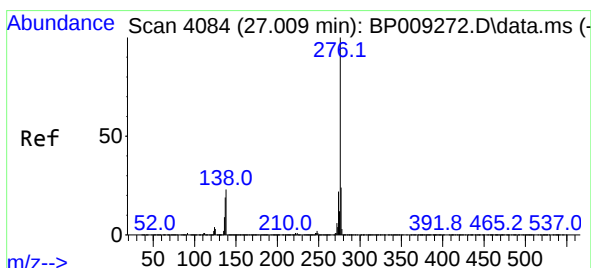
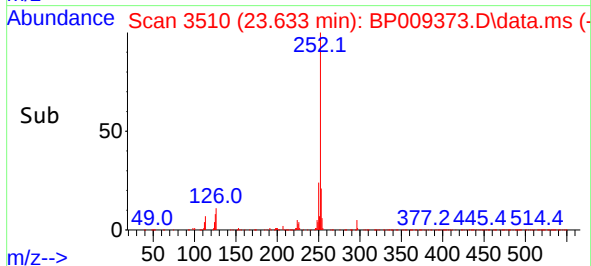
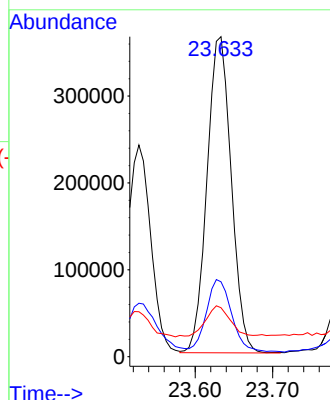
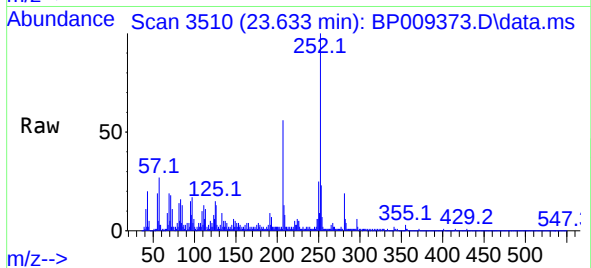
#90
Benzo(a)pyrene
Concen: 5.868 ng
RT: 23.633 min Scan# 310
Delta R.T. 0.006 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

Instrument :
BNA_P
ClientSampleId :
EO-03-030922

Tgt Ion:252 Resp: 79140
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 15.3 9.3 13.9

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Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#92
Benzo(g,h,i)perylene
Concen: 4.077 ng
RT: 27.015 min Scan# 4085
Delta R.T. 0.006 min
Lab File: BP009373.D
Acq: 11 Mar 2022 19:47

Tgt Ion:276 Resp: 558850
Ion Ratio Lower Upper
276 100
277 28.9 19.2 28.8#
138 20.2 18.0 27.0

