

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033022\
 Data File : BP009631.D
 Acq On : 30 Mar 2022 22:09
 Operator : CG/JU
 Sample : N2151-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-032822

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/31/2022
 Supervised By : Jagrut Upadhyay 03/31/2022

Quant Time: Mar 31 04:42:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	294190	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	851945	20.000	ng	0.00
39) Acenaphthene-d10	14.393	164	538457	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1456113	20.000	ng	0.00
76) Chrysene-d12	21.280	240	1398103	20.000	ng	0.00
86) Perylene-d12	23.663	264	1268015	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	660226	39.183	ng	0.00
7) Phenol-d6	6.934	99	817642	35.882	ng	0.00
23) Nitrobenzene-d5	8.899	82	522845	32.613	ng	0.00
42) 2,4,6-Tribromophenol	15.893	330	338380	38.082	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	990602	25.504	ng	0.00
79) Terphenyl-d14	19.739	244	1914466	24.578	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.451	154	181833	6.235	ng	98
55) Dibenzofuran	14.793	168	174405	3.560	ng	98
58) Fluorene	15.445	166	310839	8.067	ng	98
71) Phenanthrene	17.198	178	3982558	51.094	ng	99
72) Anthracene	17.292	178	1111636	14.445	ng	100
74) Di-n-butylphthalate	18.128	149	233920m	2.652	ng	
75) Fluoranthene	19.186	202	4755448	50.394	ng	98
78) Pyrene	19.539	202	4152777	45.076	ng	99
81) Benzo(a)anthracene	21.263	228	2018221	21.972	ng	99
83) Chrysene	21.316	228	1572563	18.080	ng	97
87) Indeno(1,2,3-cd)pyrene	26.151	276	948682	9.861	ng	# 90
88) Benzo(b)fluoranthene	22.939	252	1892802	25.005	ng	97
89) Benzo(k)fluoranthene	22.980	252	547623m	7.389	ng	
90) Benzo(a)pyrene	23.557	252	1420257	21.929	ng	98
91) Dibenzo(a,h)anthracene	26.151	278	262487	3.274	ng	# 86
92) Benzo(g,h,i)perylene	26.915	276	990141	12.553	ng	# 93

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

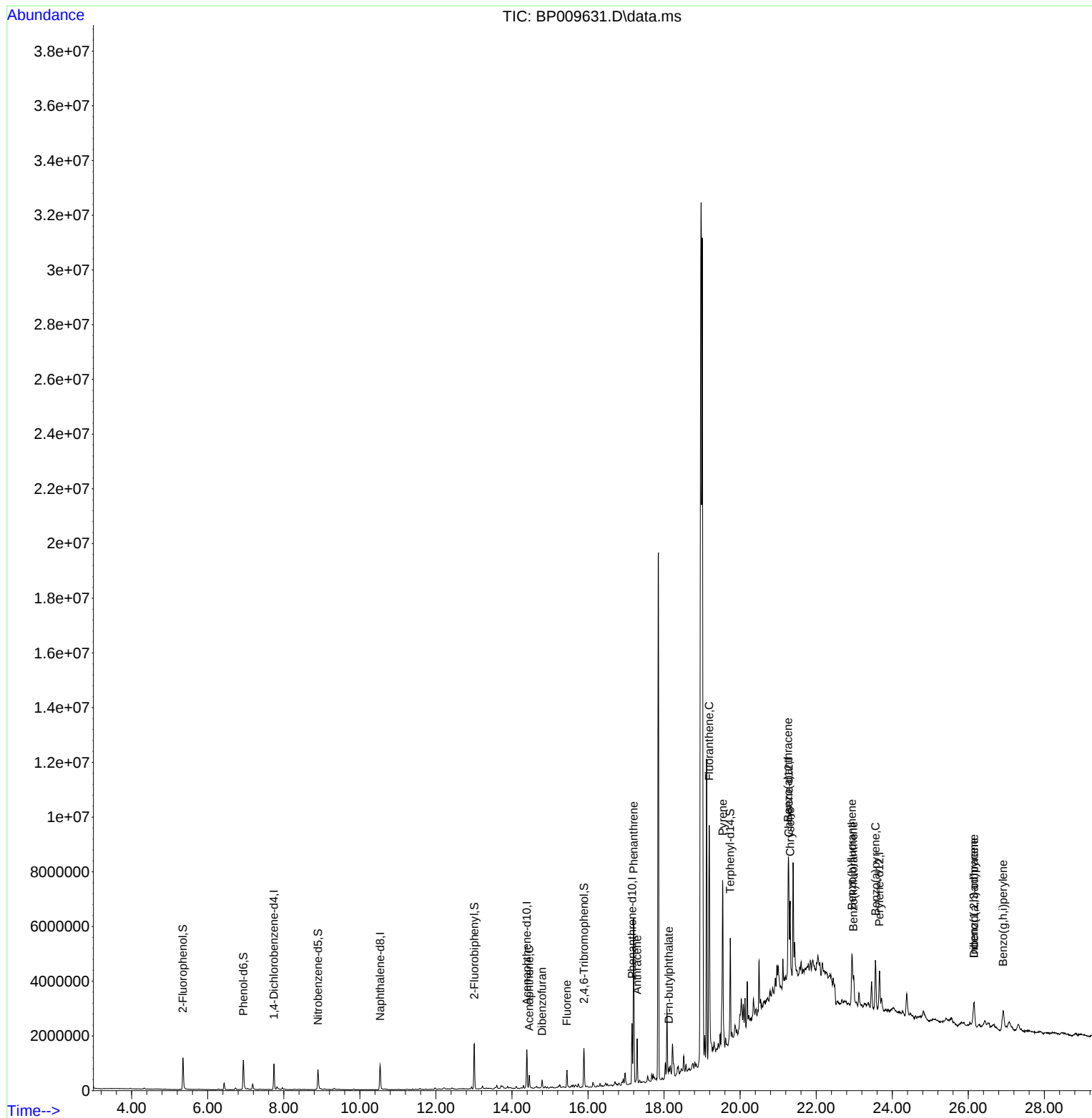
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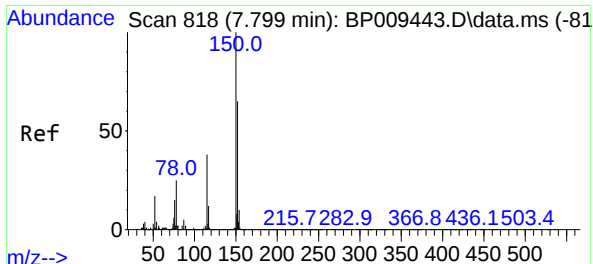
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TR-04-032822

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
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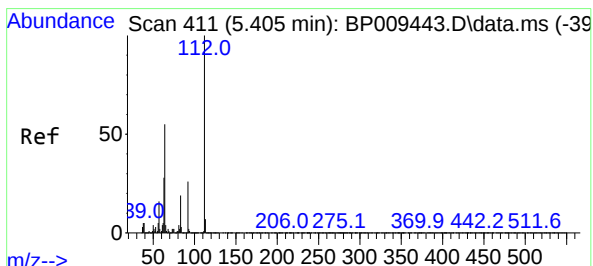
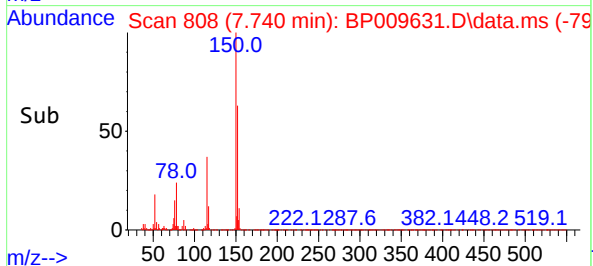
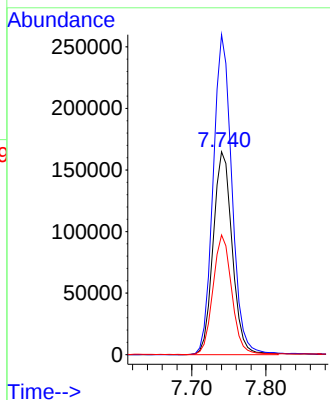
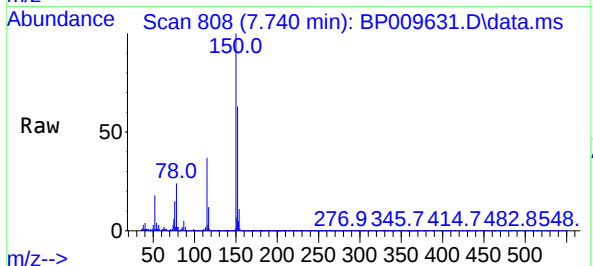
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Instrument :
BNA_P
ClientSampleId :
TR-04-032822

Tgt Ion:152 Resp: 294190
Ion Ratio Lower Upper
152 100
150 157.8 124.5 186.7
115 59.0 48.2 72.4

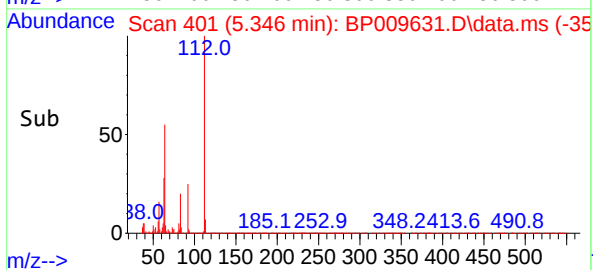
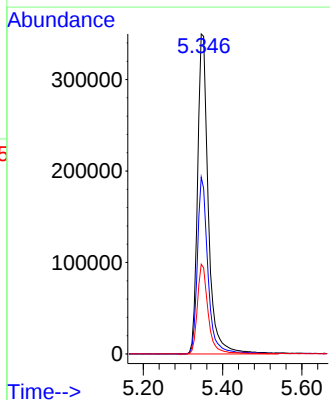
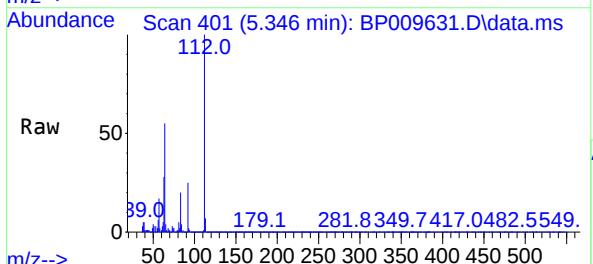
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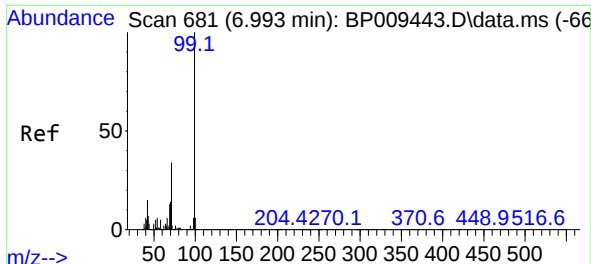
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#5
2-Fluorophenol
Concen: 39.183 ng
RT: 5.346 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Tgt Ion:112 Resp: 660226
Ion Ratio Lower Upper
112 100
64 55.3 45.0 67.4
63 28.1 23.0 34.6





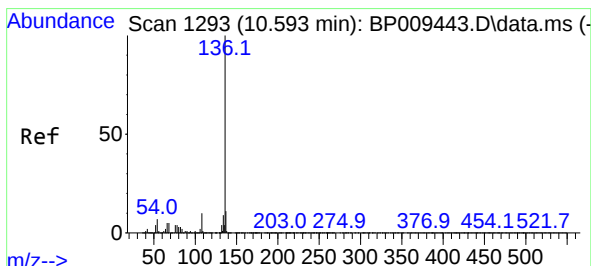
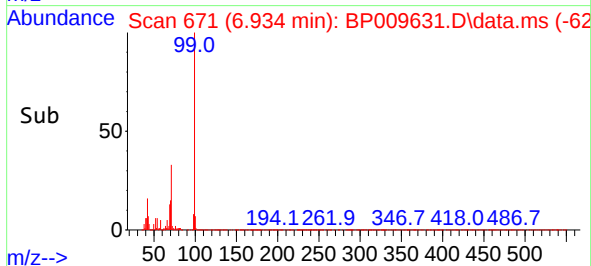
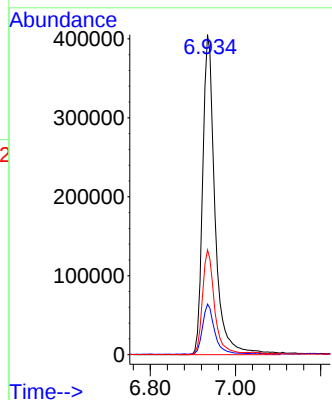
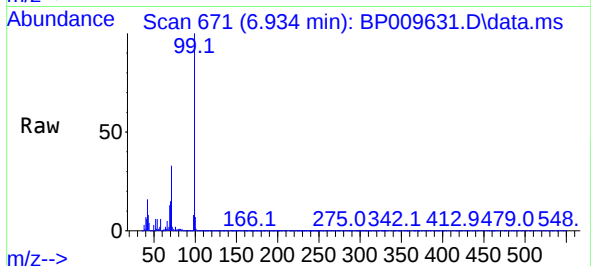
#7
Phenol-d6
Concen: 35.882 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Instrument :
BNA_P
ClientSampleId :
TR-04-032822

Tgt Ion: 99 Resp: 81764
Ion Ratio Lower Upper
99 100
42 15.8 12.8 19.2
71 32.7 26.3 39.5

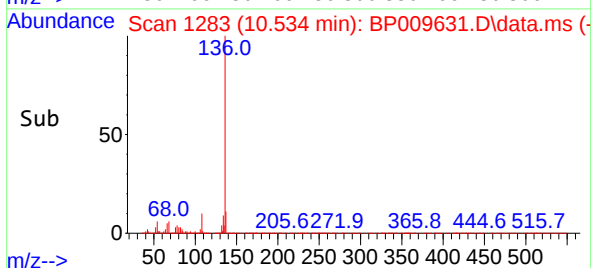
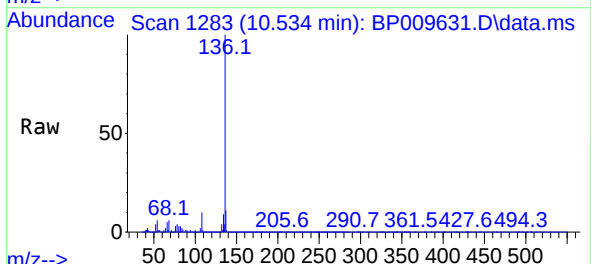
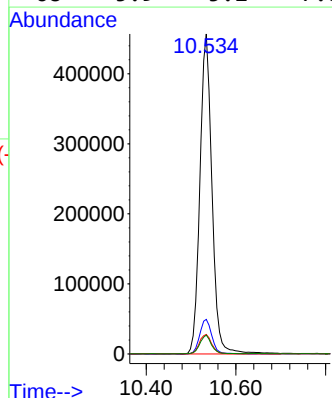
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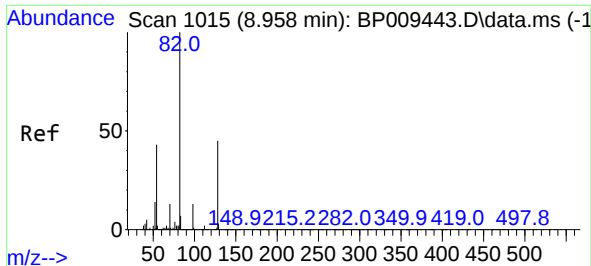
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Supervised By :Jagrut Upadhyay 03/31/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Tgt Ion:136 Resp: 851945
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 6.1 5.8 8.8
68 5.9 5.2 7.8





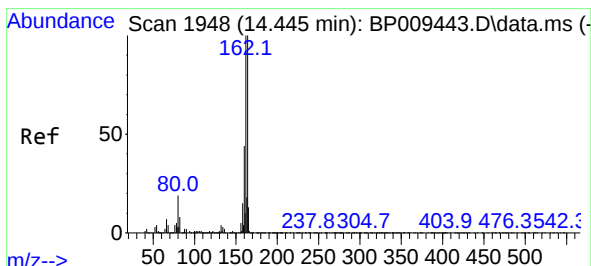
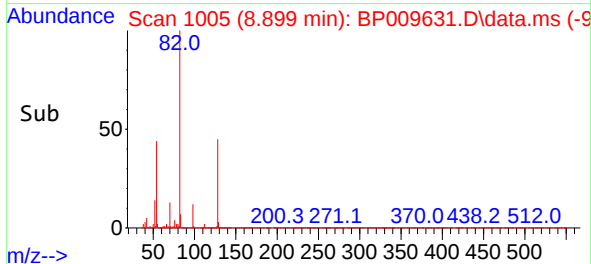
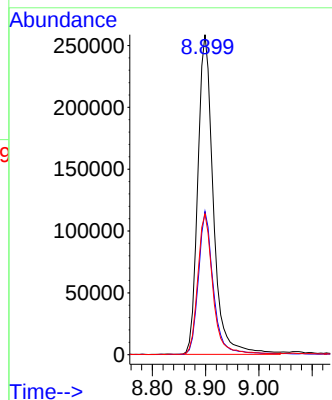
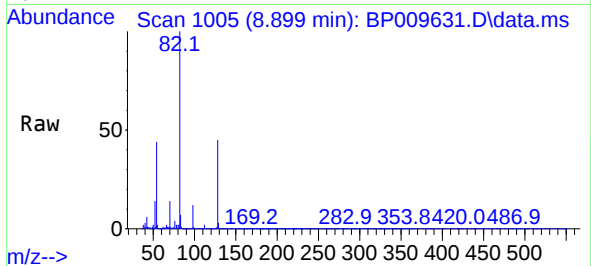
#23
Nitrobenzene-d5
Concen: 32.613 ng
RT: 8.899 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Instrument :
BNA_P
ClientSampleId :
TR-04-032822

Tgt Ion: 82 Resp: 522845
Ion Ratio Lower Upper
82 100
128 44.8 34.2 51.4
54 44.0 34.7 52.1

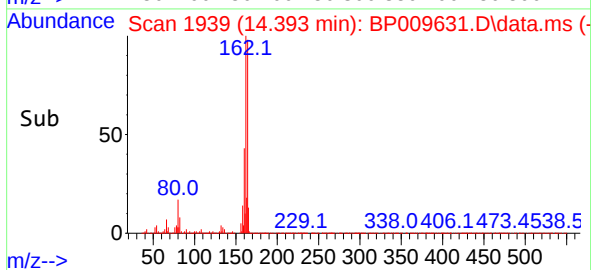
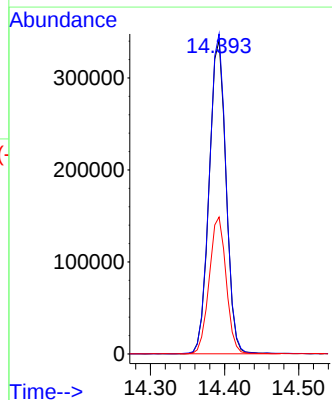
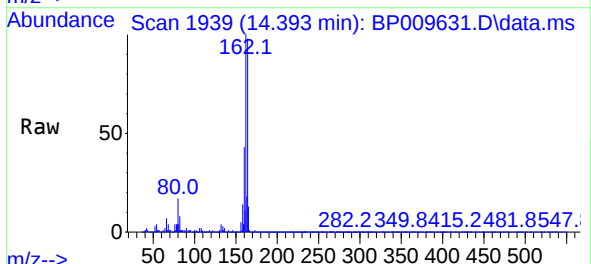
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.393 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Tgt Ion:164 Resp: 538457
Ion Ratio Lower Upper
164 100
162 102.0 79.1 118.7
160 43.7 34.9 52.3





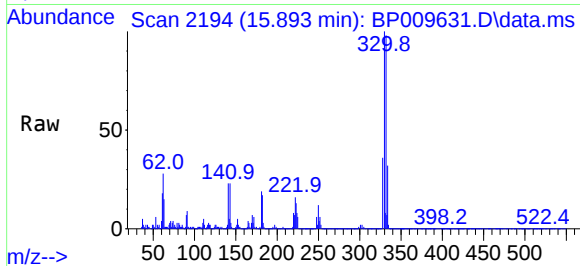
#42
2,4,6-Tribromophenol
Concen: 38.082 ng
RT: 15.893 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Instrument :

BNA_P

ClientSampleId :

TR-04-032822

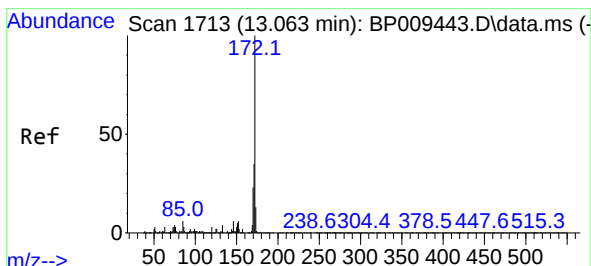
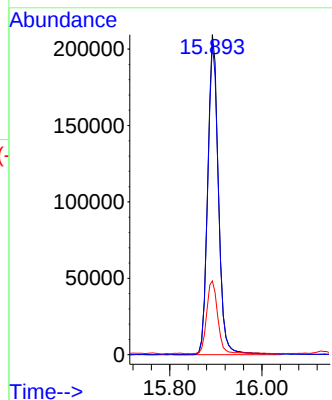
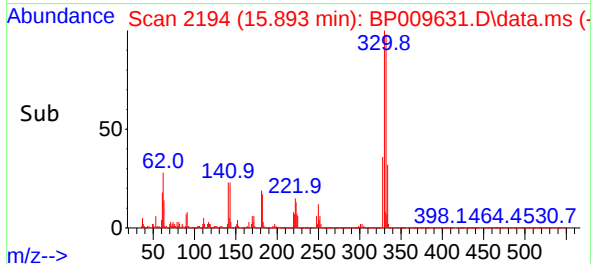


Tgt Ion:330 Resp: 338380
Ion Ratio Lower Upper
330 100
332 97.8 77.0 115.6
141 23.6 27.6 41.4

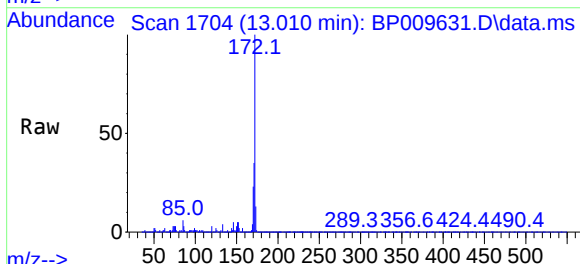
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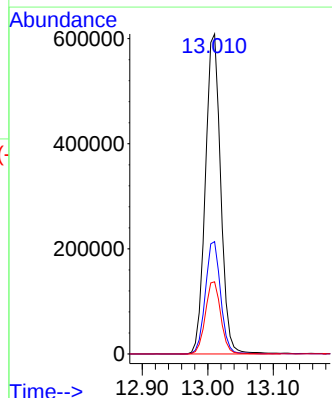
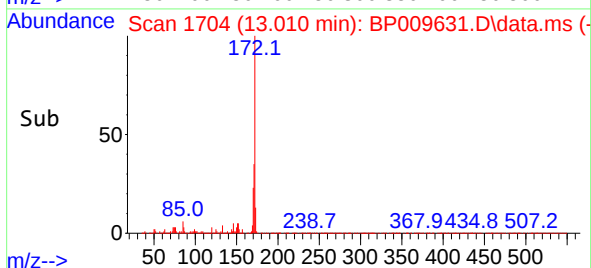
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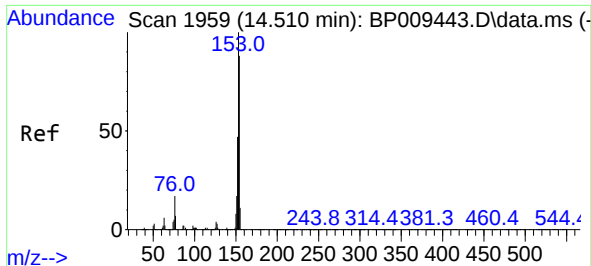


#45
2-Fluorobiphenyl
Concen: 25.504 ng
RT: 13.010 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09



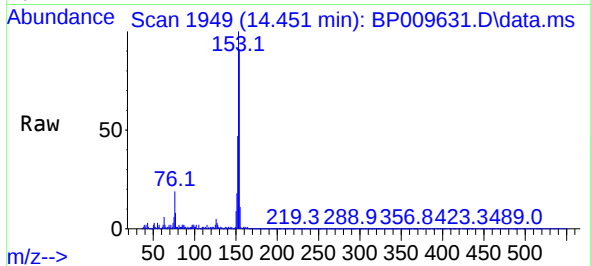
Tgt Ion:172 Resp: 990602
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 22.6 18.6 27.8





#52
Acenaphthene
Concen: 6.235 ng
RT: 14.451 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

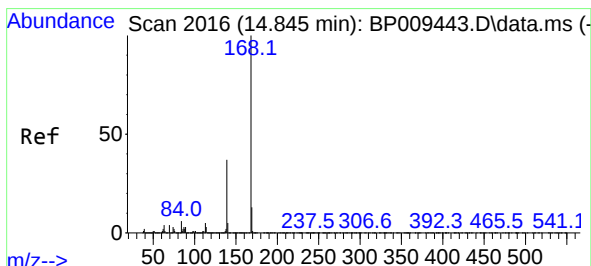
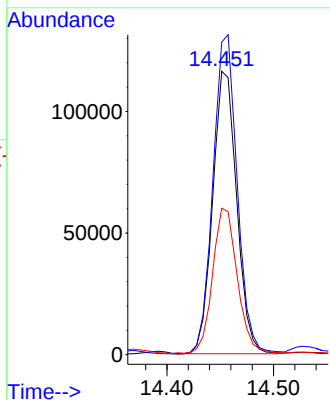
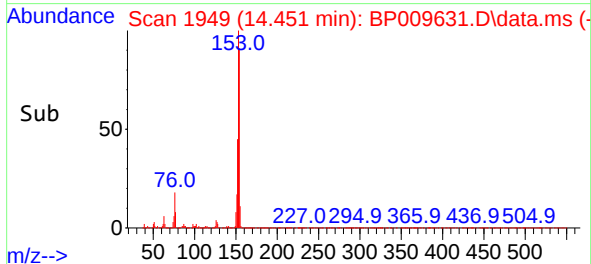
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ClientSampleId :
TR-04-032822



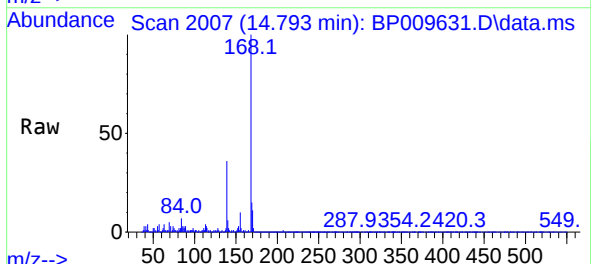
Tgt Ion:154 Resp: 18183
Ion Ratio Lower Upper
154 100
153 110.3 90.2 135.4
152 51.7 42.7 64.1

Manual Integrations
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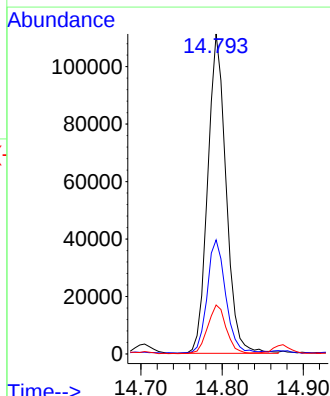
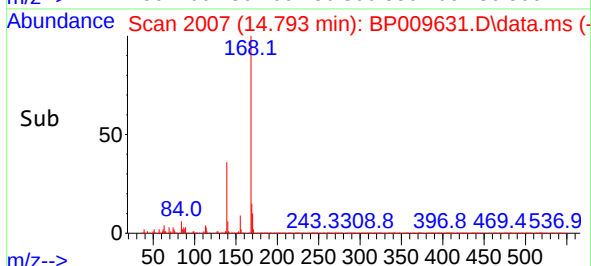
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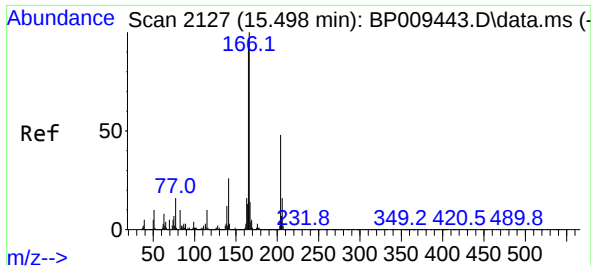


#55
Dibenzofuran
Concen: 3.560 ng
RT: 14.793 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09



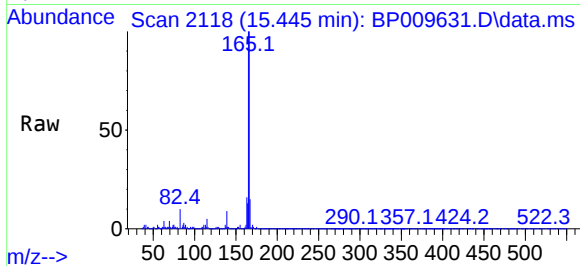
Tgt Ion:168 Resp: 174405
Ion Ratio Lower Upper
168 100
139 35.7 29.1 43.7
169 15.3 10.6 16.0





#58
Fluorene
Concen: 8.067 ng
RT: 15.445 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

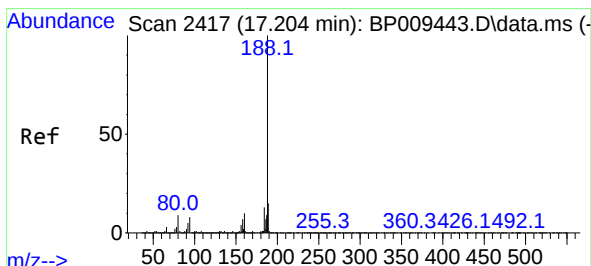
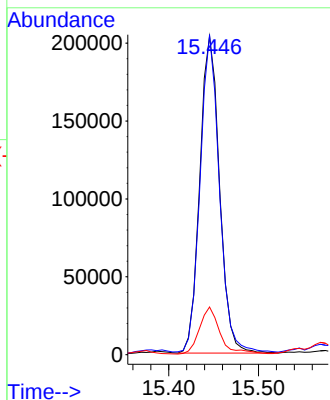
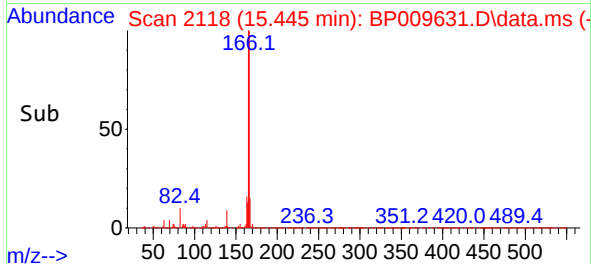
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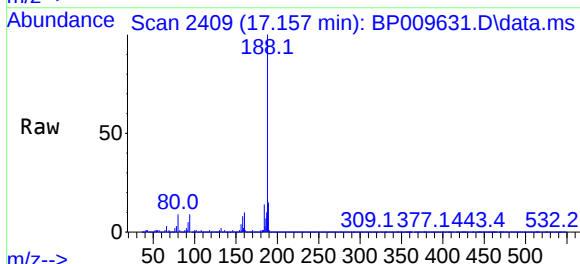
Tgt Ion:166 Resp: 310839
Ion Ratio Lower Upper
166 100
165 100.5 79.2 118.8
167 15.0 10.7 16.1

Manual Integrations
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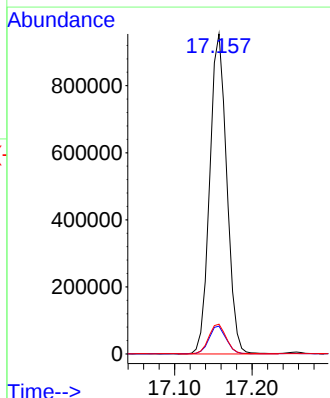
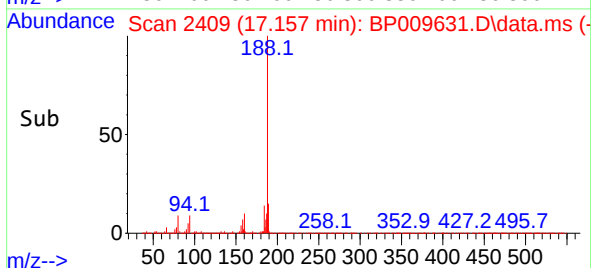
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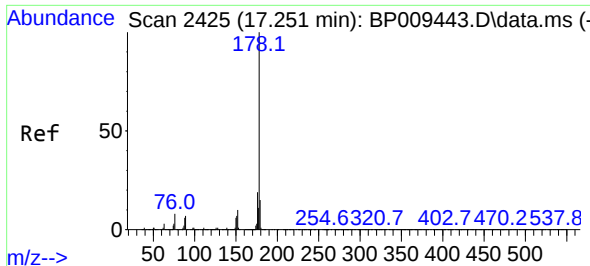


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09



Tgt Ion:188 Resp: 1456113
Ion Ratio Lower Upper
188 100
94 8.7 7.9 11.9
80 9.3 8.8 13.2





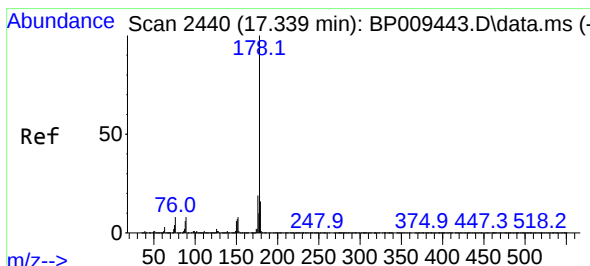
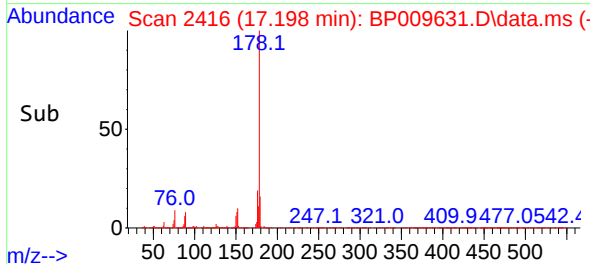
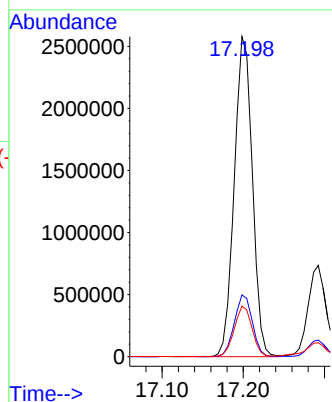
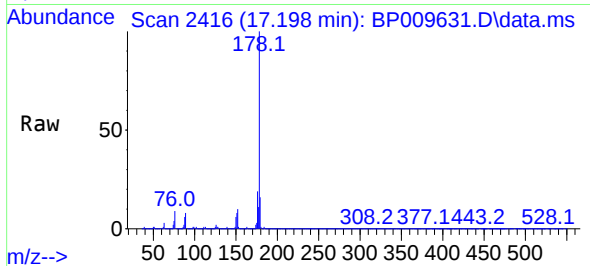
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Phenanthrene
Concen: 51.094 ng
RT: 17.198 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Instrument :
BNA_P
ClientSampleId :
TR-04-032822

Tgt Ion:178 Resp: 3982558
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.9 12.3 18.5

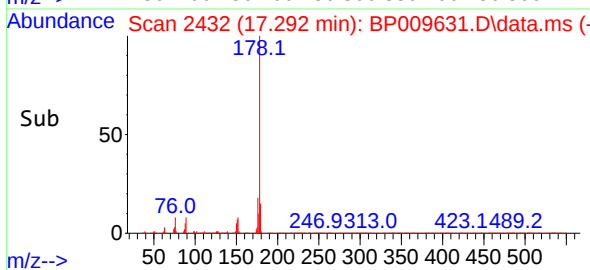
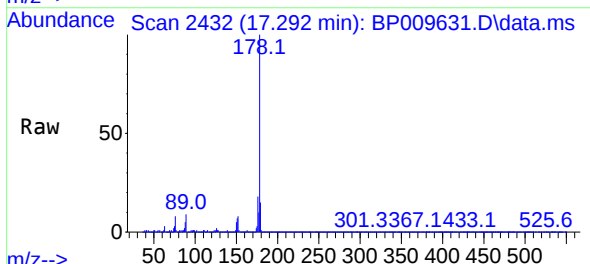
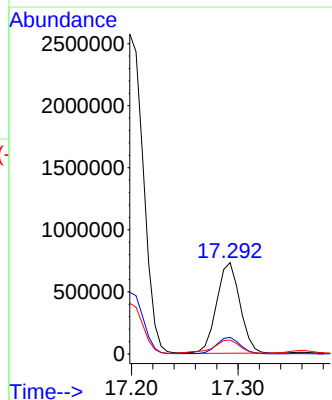
Manual Integrations
APPROVED

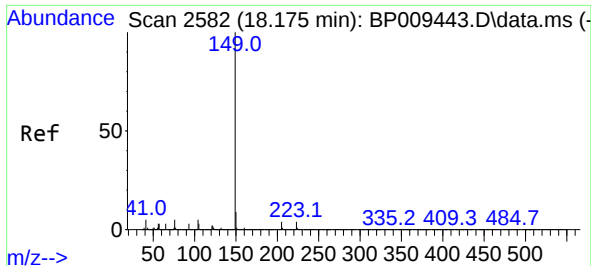
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#72
Anthracene
Concen: 14.445 ng
RT: 17.292 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Tgt Ion:178 Resp: 1111636
Ion Ratio Lower Upper
178 100
176 18.2 14.8 22.2
179 15.3 12.2 18.4





#74
Di-n-butylphthalate
Concen: 2.652 ng m
RT: 18.128 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Instrument :

BNA_P

ClientSampleId :

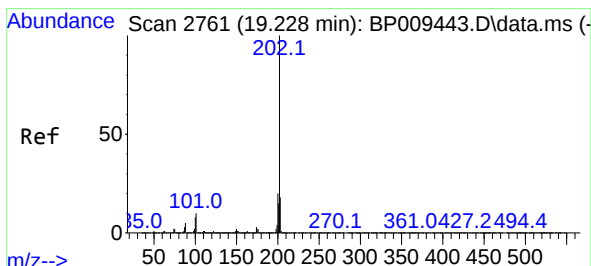
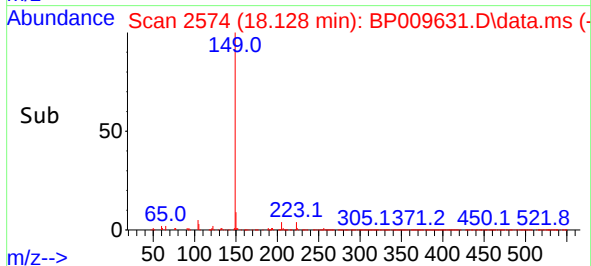
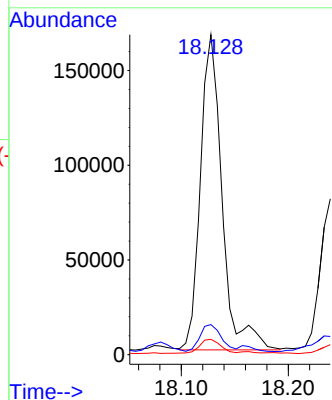
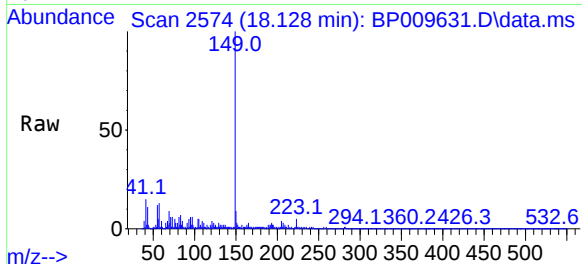
TR-04-032822

Tgt Ion:149 Resp: 233920
Ion Ratio Lower Upper
149 100
150 9.4 7.3 10.9
104 4.8 4.2 6.2

Manual Integrations

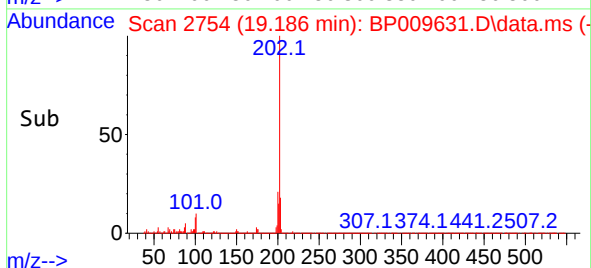
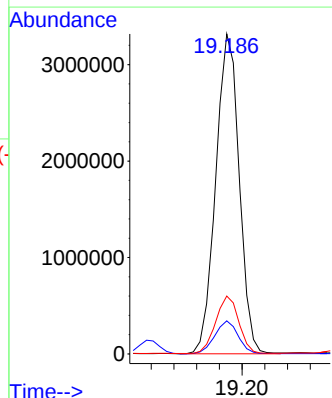
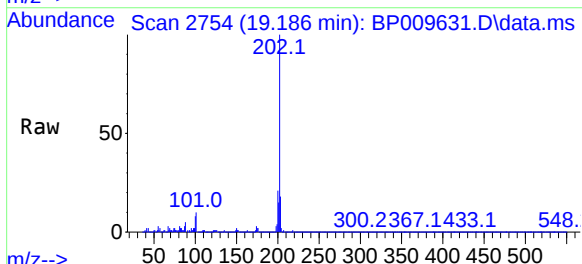
APPROVED

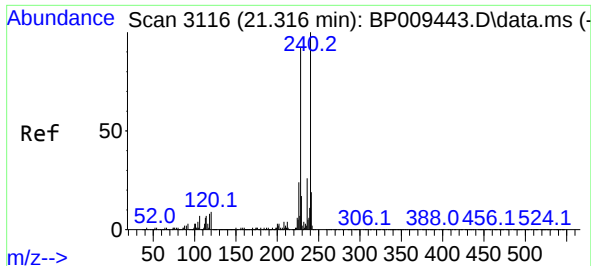
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#75
Fluoranthene
Concen: 50.394 ng
RT: 19.186 min Scan# 2754
Delta R.T. 0.006 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Tgt Ion:202 Resp: 4755448
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.5
203 18.1 0.0 37.8





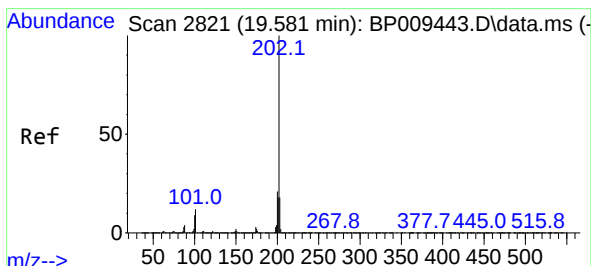
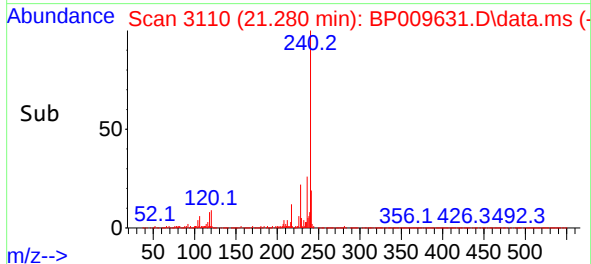
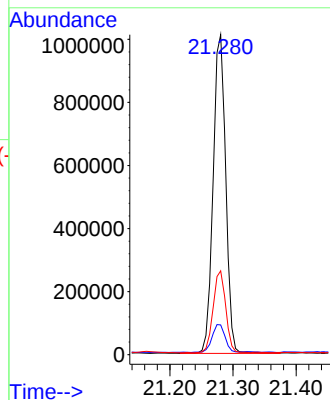
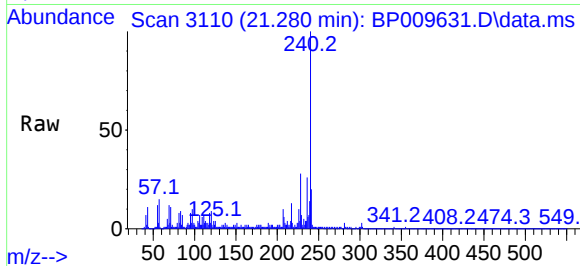
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.280 min Scan# 3116
Delta R.T. 0.006 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Instrument :
BNA_P
ClientSampleId :
TR-04-032822

Tgt Ion:240 Resp: 139810
Ion Ratio Lower Upper
240 100
120 9.3 9.0 13.4
236 26.2 20.6 30.8

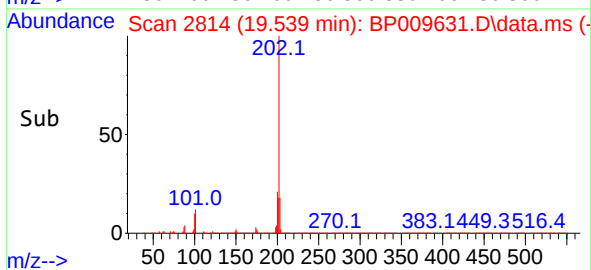
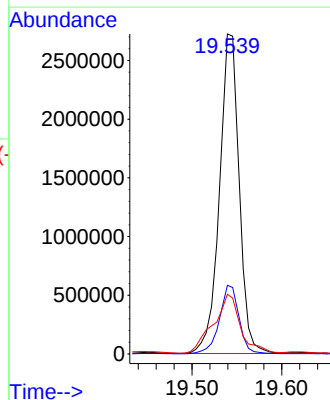
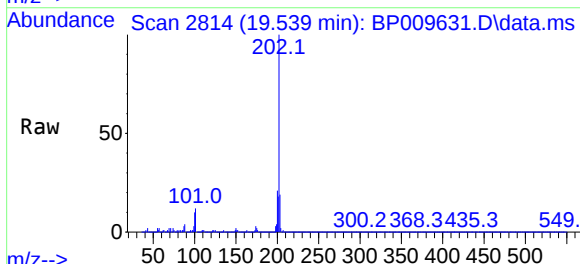
Manual Integrations
APPROVED

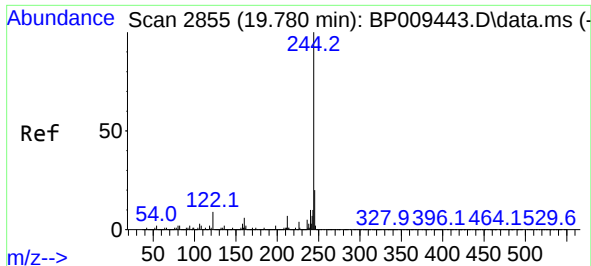
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#78
Pyrene
Concen: 45.076 ng
RT: 19.539 min Scan# 2814
Delta R.T. 0.000 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Tgt Ion:202 Resp: 4152777
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 18.6 14.2 21.4





#79
 Terphenyl-d14
 Concen: 24.578 ng
 RT: 19.739 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP009631.D
 Acq: 30 Mar 2022 22:09

Instrument :

BNA_P

ClientSampleId :

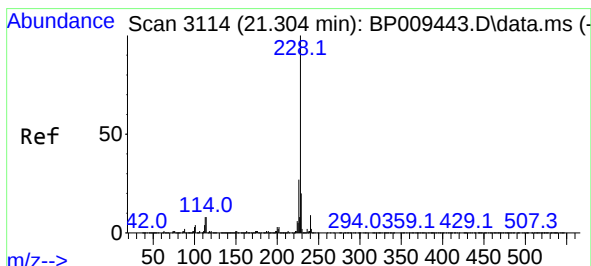
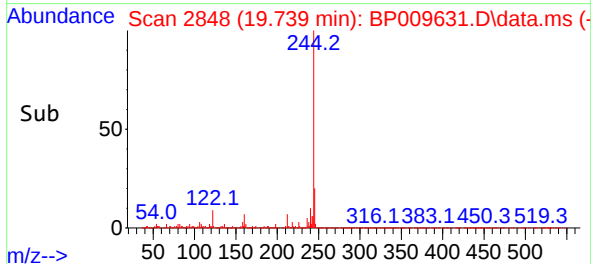
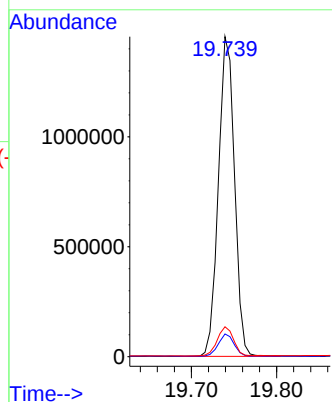
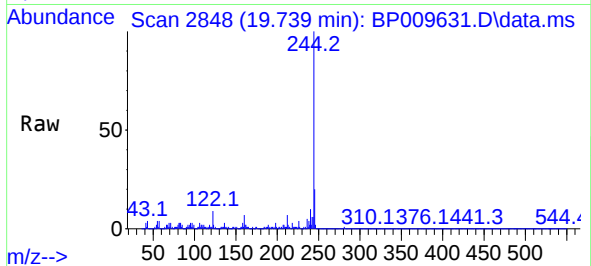
TR-04-032822

Tgt Ion:244 Resp: 191446
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 9.4 8.3 12.5

Manual Integrations

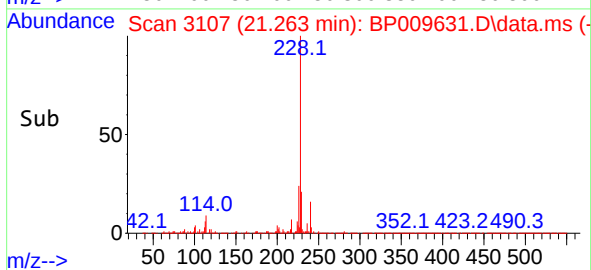
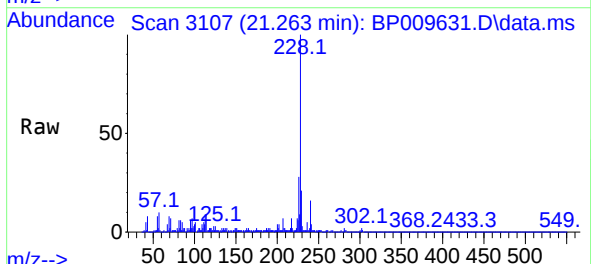
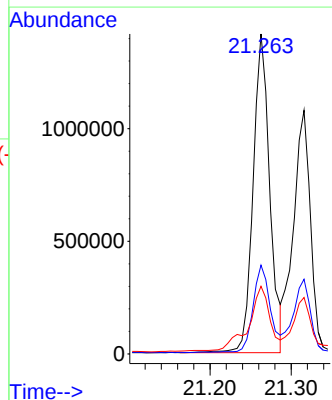
APPROVED

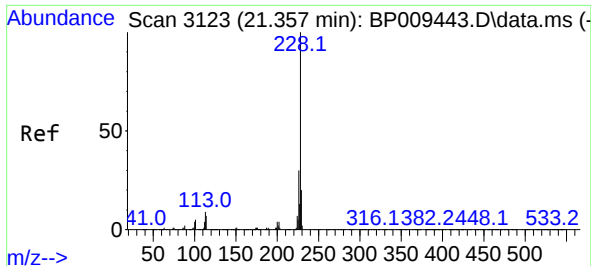
Reviewed By :Christian Giraldo 03/31/2022
 Supervised By :Jagrut Upadhyay 03/31/2022



#81
 Benzo(a)anthracene
 Concen: 21.972 ng
 RT: 21.263 min Scan# 3107
 Delta R.T. 0.000 min
 Lab File: BP009631.D
 Acq: 30 Mar 2022 22:09

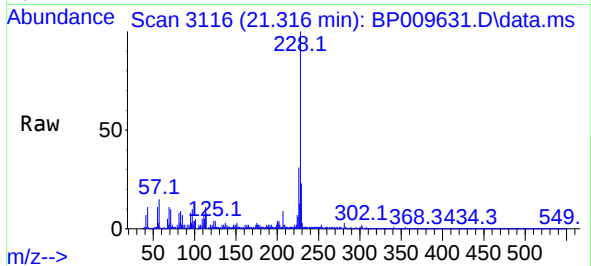
Tgt Ion:228 Resp: 2018221
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.0 33.0
 229 21.2 16.1 24.1





#83
Chrysene
Concen: 18.080 ng
RT: 21.316 min Scan# 3116
Delta R.T. 0.006 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

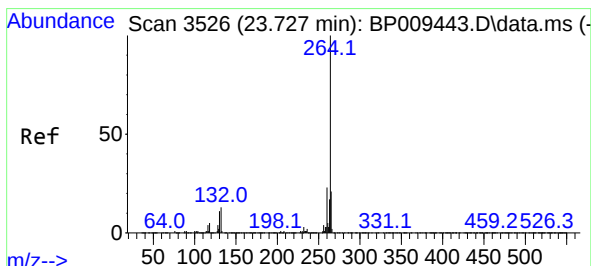
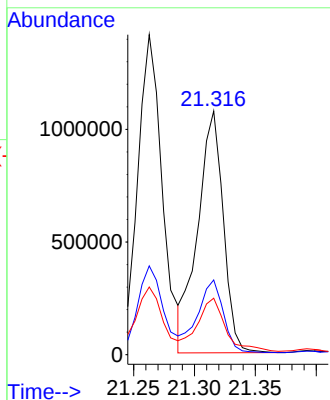
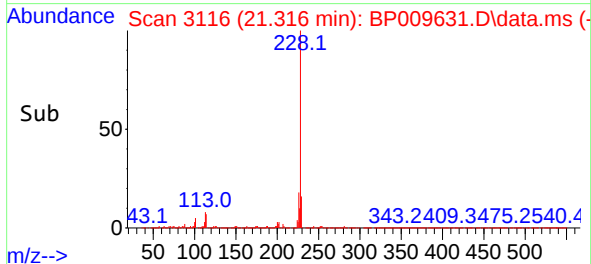
Instrument :
BNA_P
ClientSampleId :
TR-04-032822



Tgt Ion:228 Resp: 157256
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.2
229 23.1 16.1 24.1

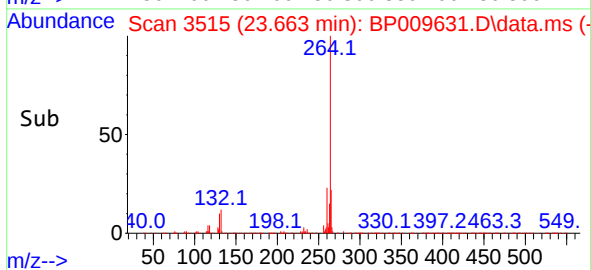
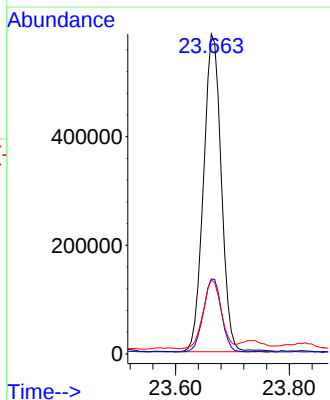
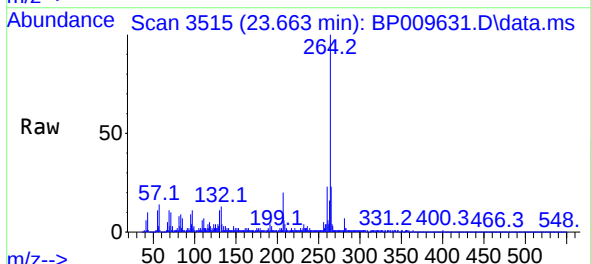
Manual Integrations
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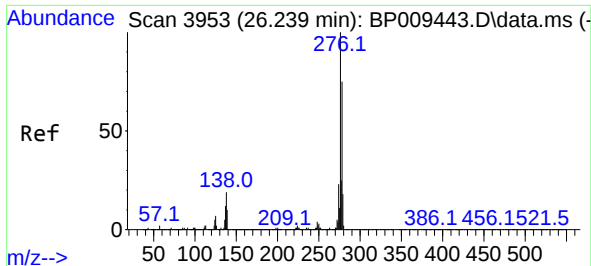
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.663 min Scan# 3515
Delta R.T. 0.012 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Tgt Ion:264 Resp: 1268015
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.0
265 23.2 17.2 25.8





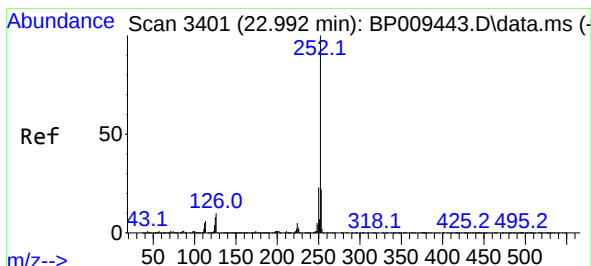
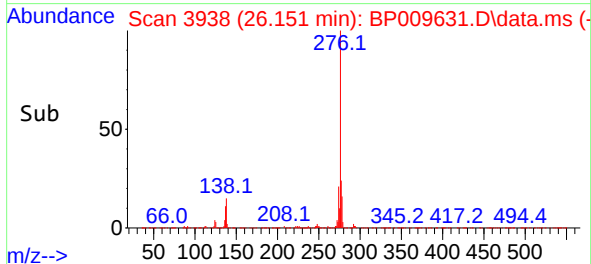
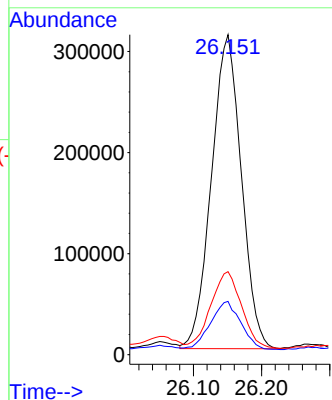
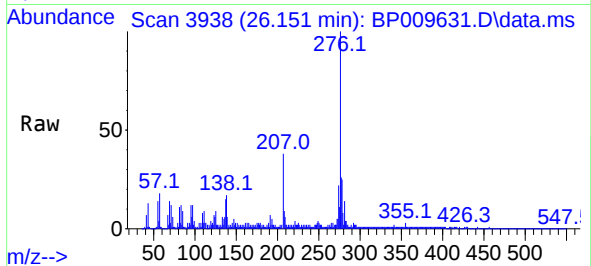
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.861 ng
RT: 26.151 min Scan# 3953
Delta R.T. 0.012 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Instrument :
BNA_P
ClientSampleId :
TR-04-032822

Tgt Ion:276 Resp: 948682
Ion Ratio Lower Upper
276 100
138 15.7 20.5 30.7
277 25.2 20.4 30.6

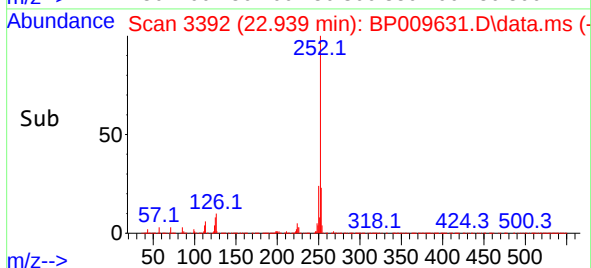
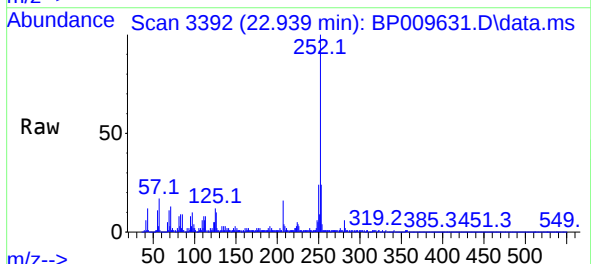
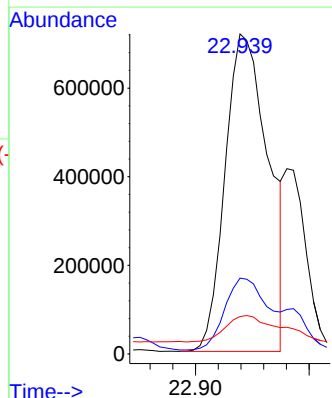
Manual Integrations
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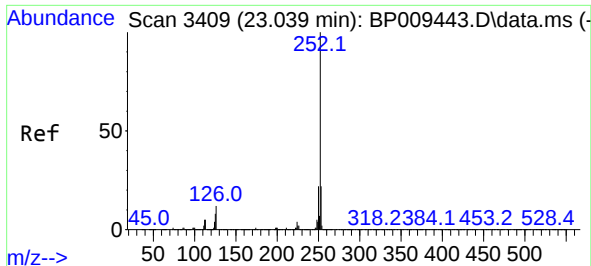
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#88
Benzo(b)fluoranthene
Concen: 25.005 ng
RT: 22.939 min Scan# 3392
Delta R.T. 0.012 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Tgt Ion:252 Resp: 1892802
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 11.7 8.1 12.1





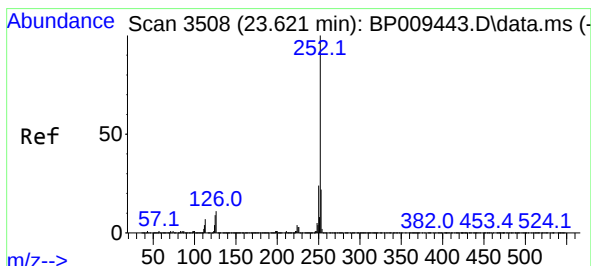
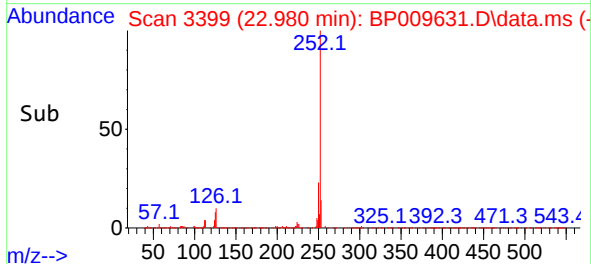
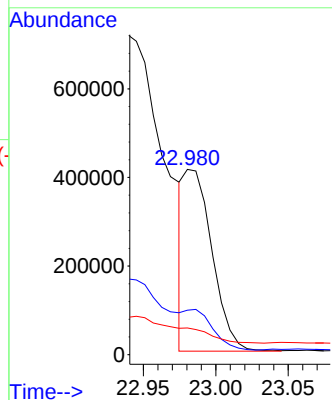
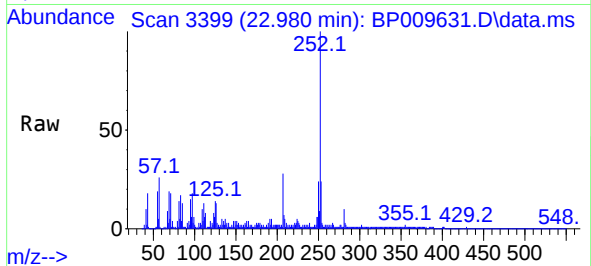
#89
Benzo(k)fluoranthene
Concen: 7.389 ng m
RT: 22.980 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

Instrument :
BNA_P
ClientSampleId :
TR-04-032822

Tgt Ion:252 Resp: 54762
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 14.5 8.3 12.5

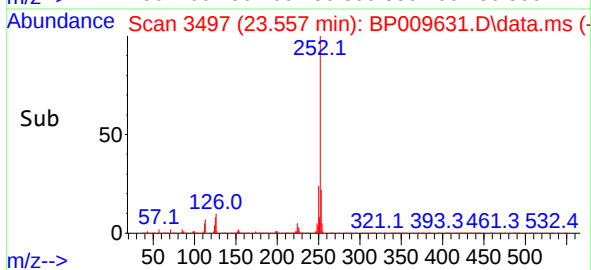
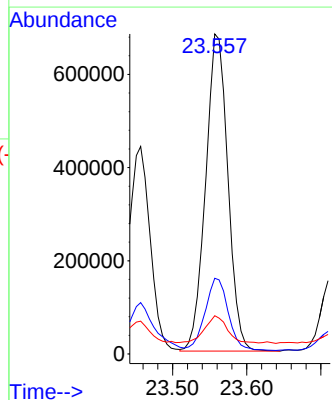
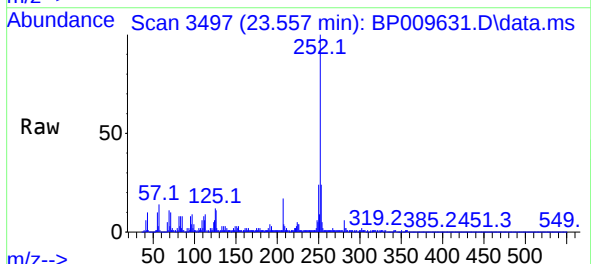
Manual Integrations
APPROVED

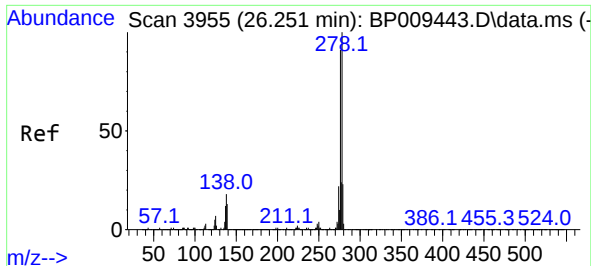
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#90
Benzo(a)pyrene
Concen: 21.929 ng
RT: 23.557 min Scan# 3497
Delta R.T. 0.006 min
Lab File: BP009631.D
Acq: 30 Mar 2022 22:09

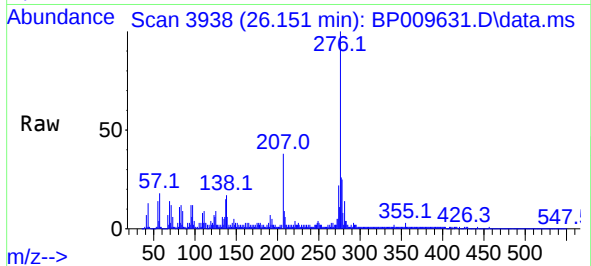
Tgt Ion:252 Resp: 1420257
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 12.0 9.3 13.9





#91
 Dibenzo(a,h)anthracene
 Concen: 3.274 ng
 RT: 26.151 min Scan# 3955
 Delta R.T. 0.000 min
 Lab File: BP009631.D
 Acq: 30 Mar 2022 22:09

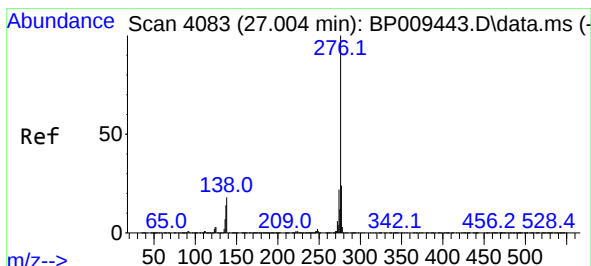
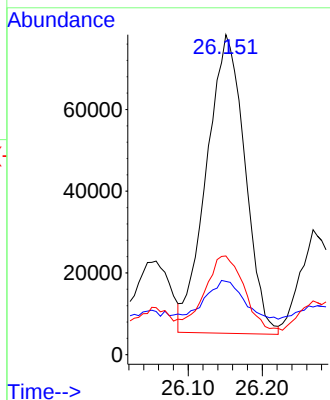
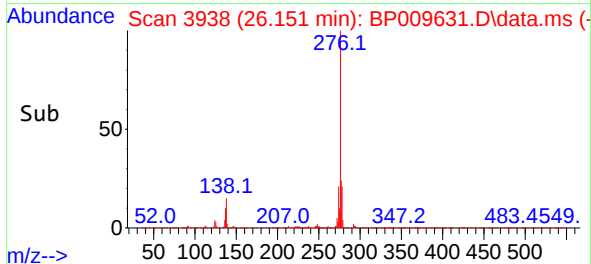
Instrument :
 BNA_P
 ClientSampleId :
 TR-04-032822



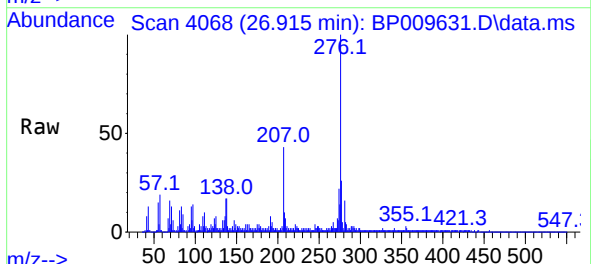
Tgt Ion: 278 Resp: 26248
 Ion Ratio Lower Upper
 278 100
 139 22.9 13.2 19.8
 279 30.8 19.2 28.8

Manual Integrations
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Reviewed By : Christian Giraldo 03/31/2022
 Supervised By : Jagrut Upadhyay 03/31/2022



#92
 Benzo(g,h,i)perylene
 Concen: 12.553 ng
 RT: 26.915 min Scan# 4068
 Delta R.T. 0.018 min
 Lab File: BP009631.D
 Acq: 30 Mar 2022 22:09



Tgt Ion: 276 Resp: 990141
 Ion Ratio Lower Upper
 276 100
 277 25.8 19.2 28.8
 138 17.2 18.0 27.0

