

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033022\
 Data File : BP009628.D
 Acq On : 30 Mar 2022 20:28
 Operator : CG/JU
 Sample : N2155-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 22L076-F

Manual Integrations
 APPROVED

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

Quant Time: Mar 31 04:41:41 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	253259	20.00	ng	0.00
21) Naphthalene-d8	10.528	136	996989	20.00	ng	0.00
39) Acenaphthene-d10	14.387	164	615792	20.00	ng	0.00
64) Phenanthrene-d10	17.151	188	1243559	20.00	ng	0.00
76) Chrysene-d12	21.275	240	968198	20.00	ng	# 0.00
86) Perylene-d12	23.657	264	1097434	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	28177	1.94	ng	0.00
7) Phenol-d6	6.934	99	894425	45.59	ng	0.00
23) Nitrobenzene-d5	8.899	82	1163144	62.00	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	2600	0.26	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	2751575	61.94	ng	0.00
79) Terphenyl-d14	19.733	244	3317567	61.50	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.581	128	176740	3.44	ng	99
37) 2-Methylnaphthalene	12.199	142	131117	3.64	ng	99
38) 1-Methylnaphthalene	12.422	142	83393	2.38	ng	98
52) Acenaphthene	14.451	154	86281	2.59	ng	99
58) Fluorene	15.445	166	120205	2.73	ng	# 97
71) Phenanthrene	17.198	178	1424879	21.40	ng	100
72) Anthracene	17.287	178	345183	5.25	ng	98
75) Fluoranthene	19.181	202	1191314	14.78	ng	98
78) Pyrene	19.533	202	1069276	16.76	ng	99
81) Benzo(a)anthracene	21.257	228	569714	8.96	ng	99
83) Chrysene	21.310	228	506481	8.41	ng	97
84) Bis(2-ethylhexyl)phtha...	21.192	149	100068	2.65	ng	# 95
87) Indeno(1,2,3-cd)pyrene	26.133	276	344037	4.13	ng	# 91
88) Benzo(b)fluoranthene	22.933	252	679501	10.37	ng	# 92
89) Benzo(k)fluoranthene	22.974	252	253134m	3.95	ng	
90) Benzo(a)pyrene	23.551	252	497820	8.88	ng	94
92) Benzo(g,h,i)perylene	26.892	276	342560	5.02	ng	# 91

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

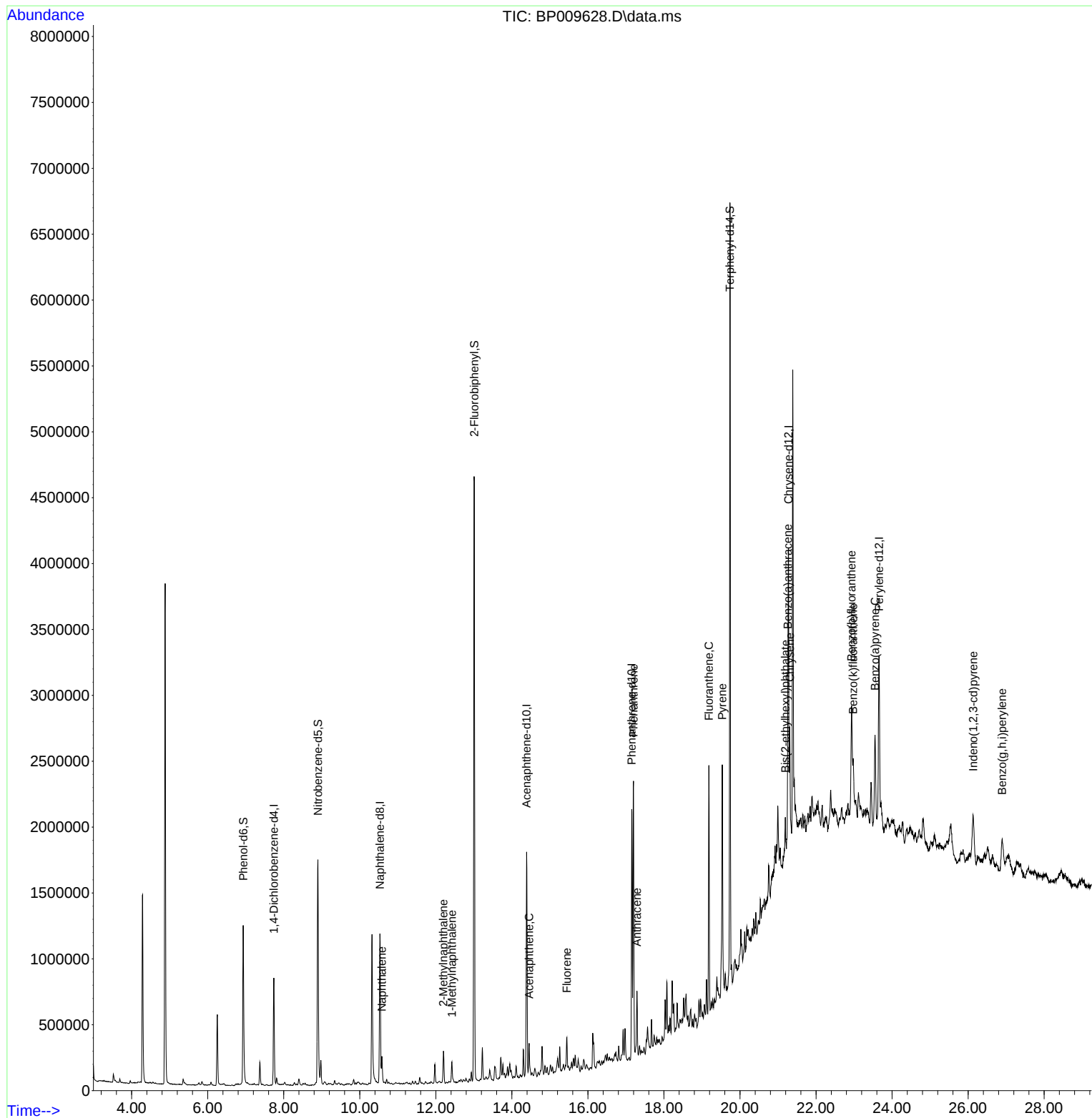
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033022\
Data File : BP009628.D
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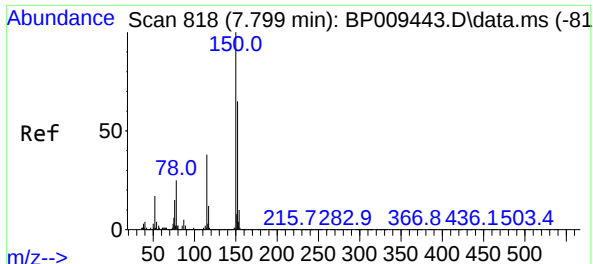
Instrument :
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Quant Time: Mar 31 04:41:41 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 31 04:36:51 2022
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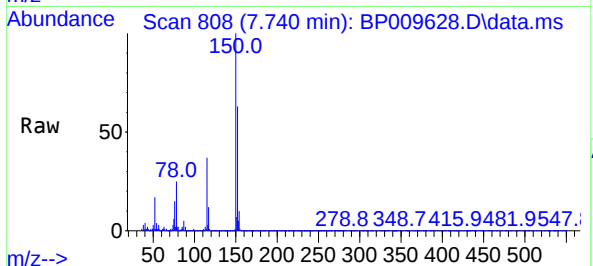
Reviewed By : Christian Giraldo 03/31/2022
Supervised By : Jagrut Upadhyay 03/31/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.740 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

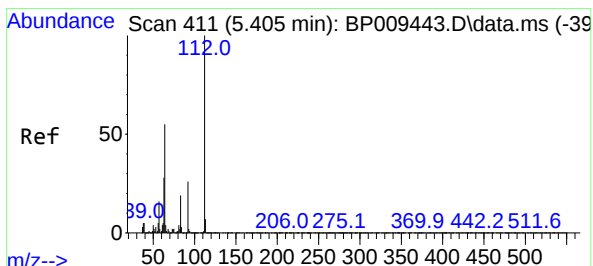
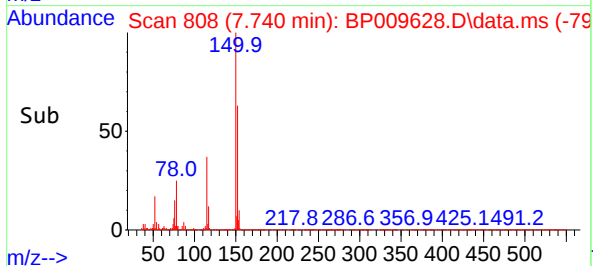
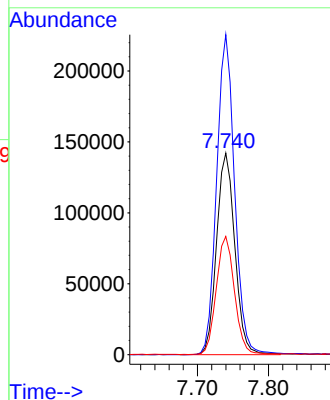
Instrument :
BNA_P
ClientSampleId :
22L076-F



Tgt Ion:152 Resp: 25325
Ion Ratio Lower Upper
152 100
150 158.8 124.5 186.7
115 58.7 48.2 72.4

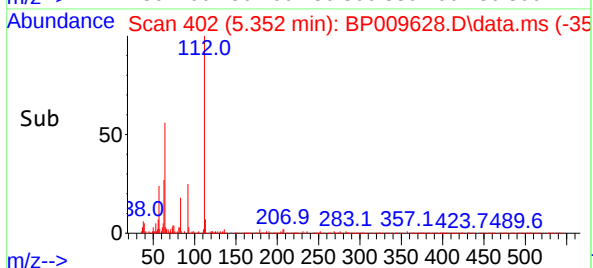
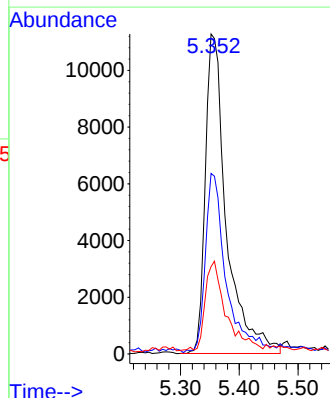
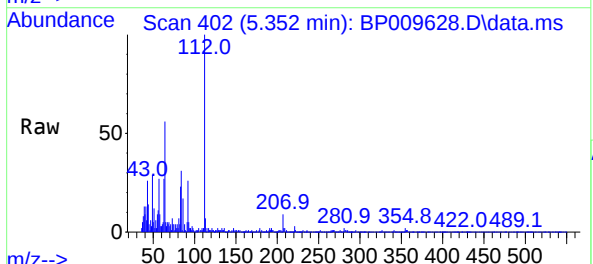
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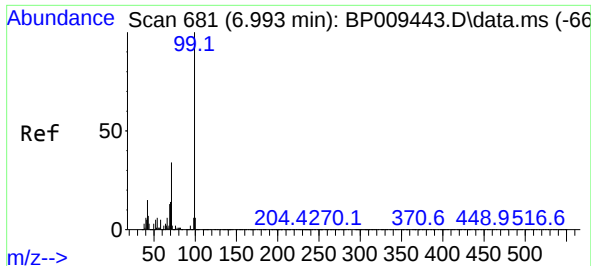
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#5
2-Fluorophenol
Concen: 1.94 ng
RT: 5.352 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

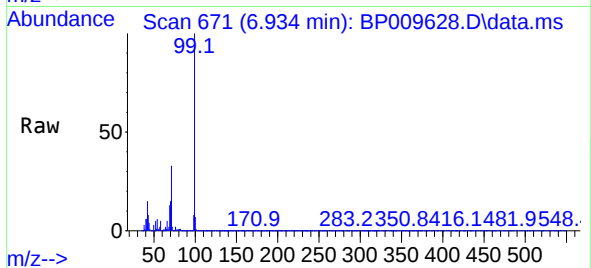
Tgt Ion:112 Resp: 28177
Ion Ratio Lower Upper
112 100
64 56.4 45.0 67.4
63 27.3 23.0 34.6





#7
Phenol-d6
Concen: 45.59 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

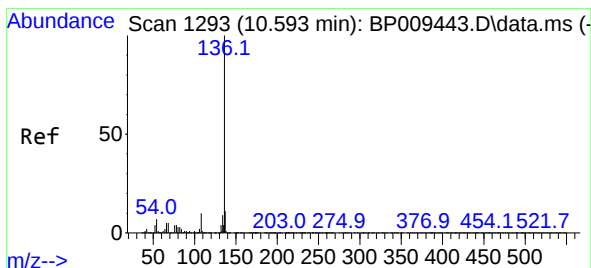
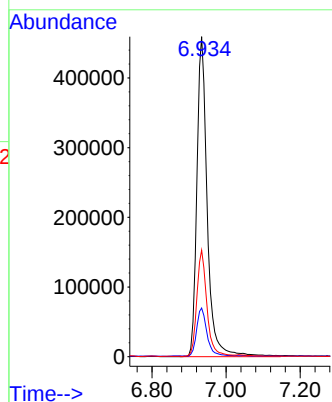
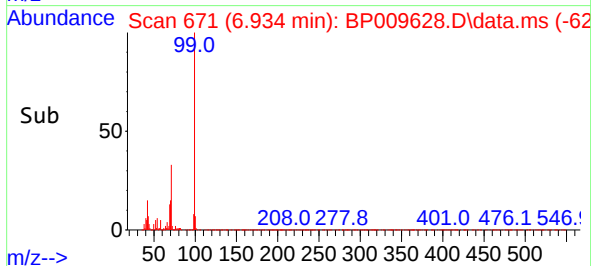
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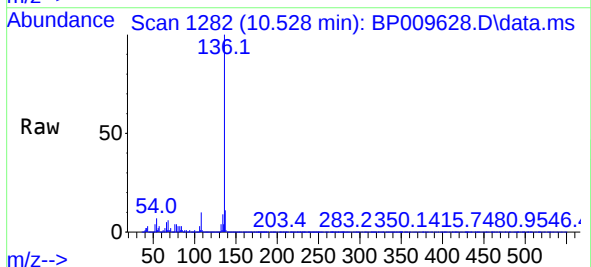
Tgt Ion: 99 Resp: 894425
Ion Ratio Lower Upper
99 100
42 15.2 12.8 19.2
71 33.3 26.3 39.5

Manual Integrations
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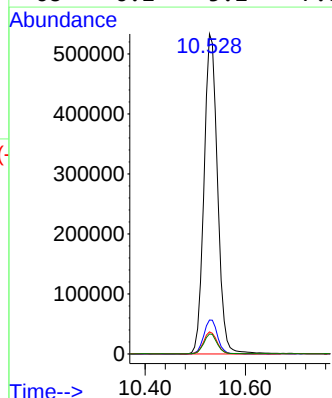
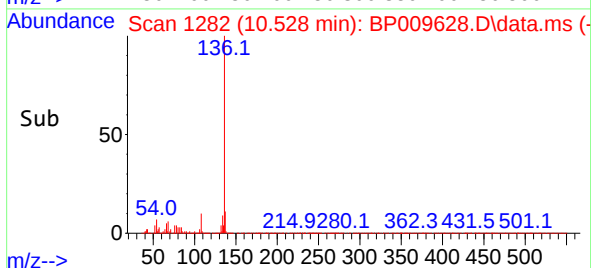
Reviewed By :Christian Giraldo 03/31/2022
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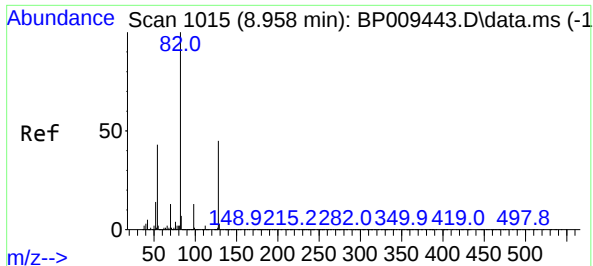


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28



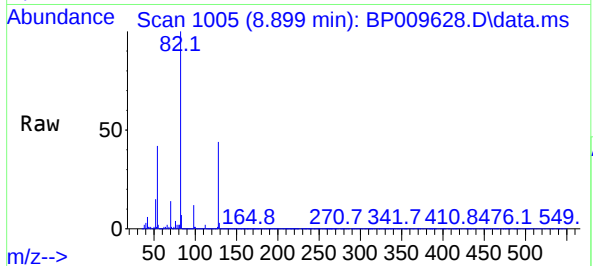
Tgt Ion:136 Resp: 996989
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 6.9 5.8 8.8
68 6.2 5.2 7.8





#23
Nitrobenzene-d5
Concen: 62.00 ng
RT: 8.899 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

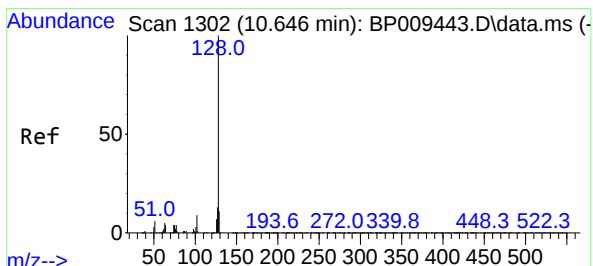
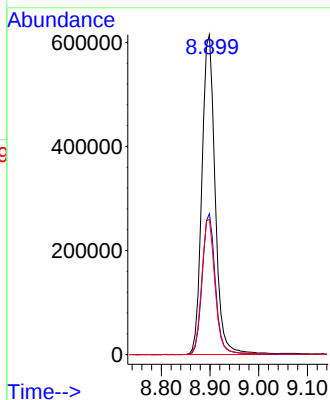
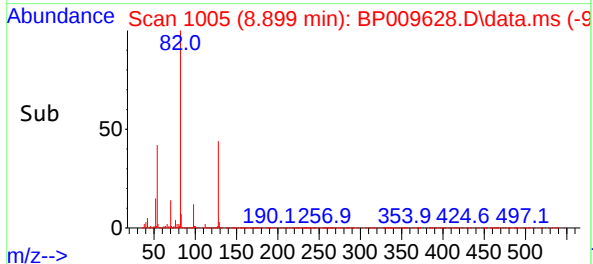
Instrument :
BNA_P
ClientSampleId :
22L076-F



Tgt Ion: 82 Resp: 116314
Ion Ratio Lower Upper
82 100
128 44.0 34.2 51.4
54 42.4 34.7 52.1

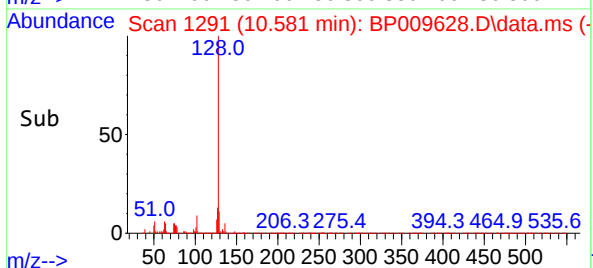
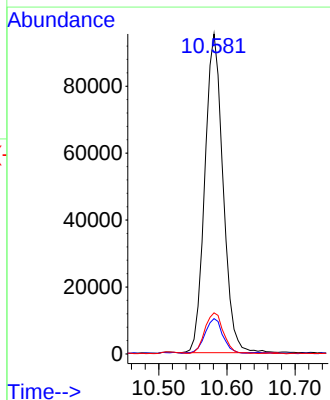
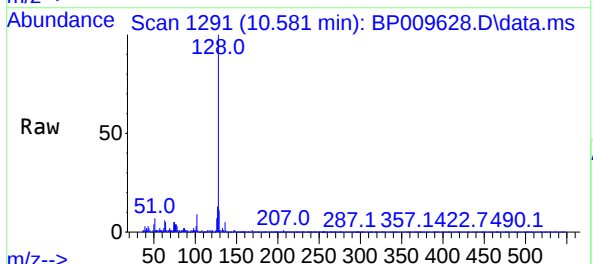
Manual Integrations
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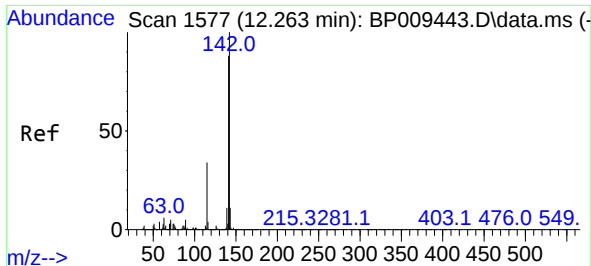
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#31
Naphthalene
Concen: 3.44 ng
RT: 10.581 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

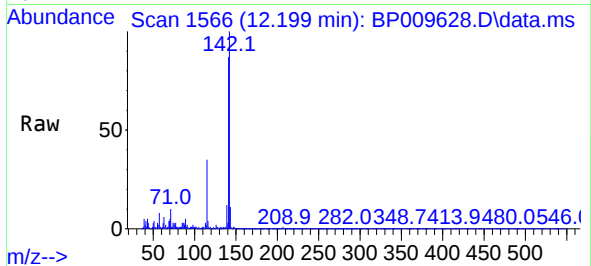
Tgt Ion:128 Resp: 176740
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 12.9 10.5 15.7





#37
2-Methylnaphthalene
Concen: 3.64 ng
RT: 12.199 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

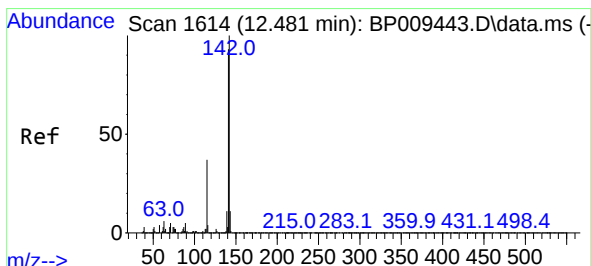
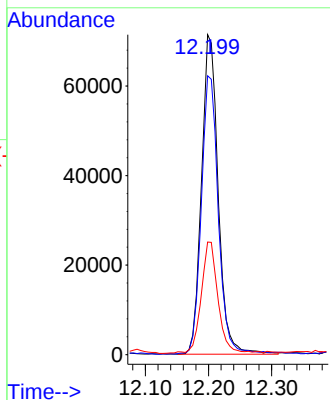
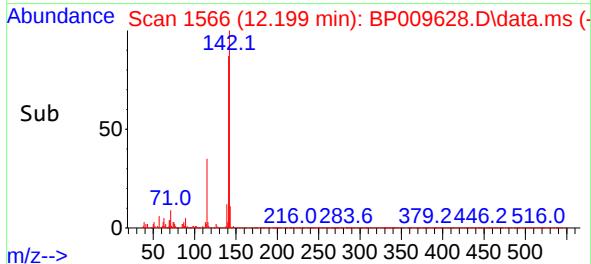
Instrument :
BNA_P
ClientSampleId :
22L076-F



Tgt Ion:142 Resp: 13111
Ion Ratio Lower Upper
142 100
141 87.2 70.2 105.4
115 35.2 27.4 41.2

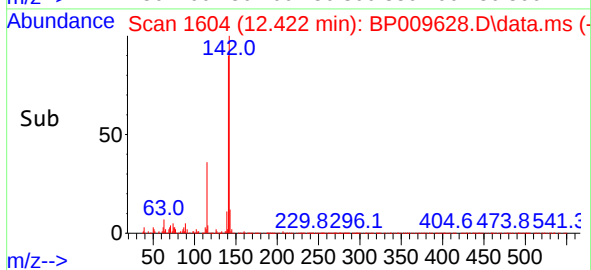
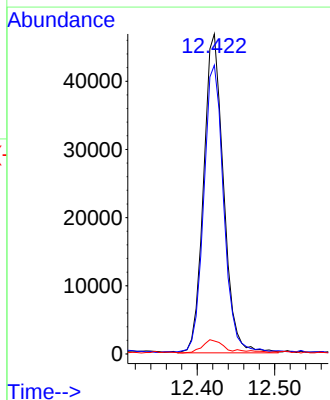
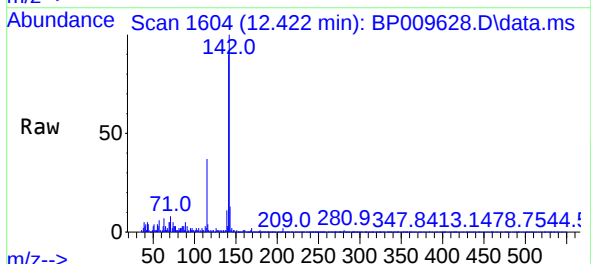
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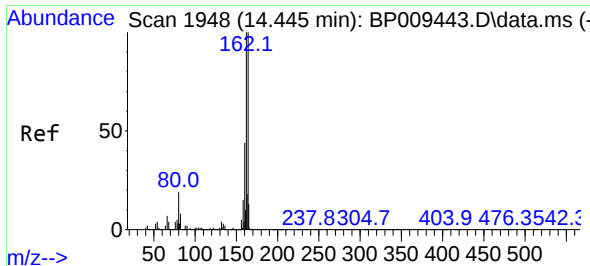
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#38
1-Methylnaphthalene
Concen: 2.38 ng
RT: 12.422 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

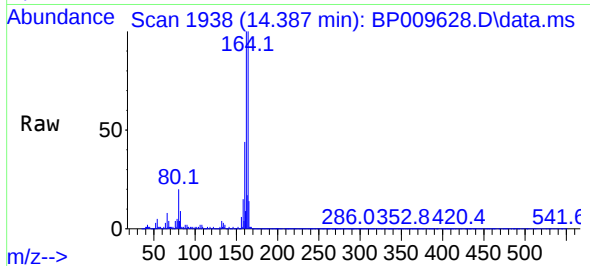
Tgt Ion:142 Resp: 83393
Ion Ratio Lower Upper
142 100
141 90.3 73.5 110.3
116 4.1 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

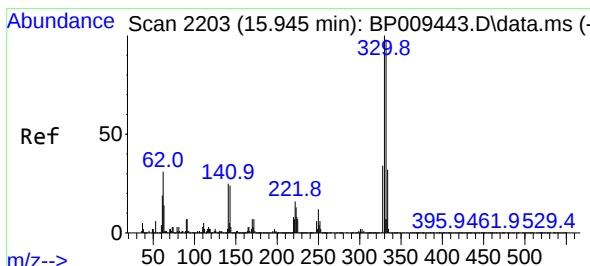
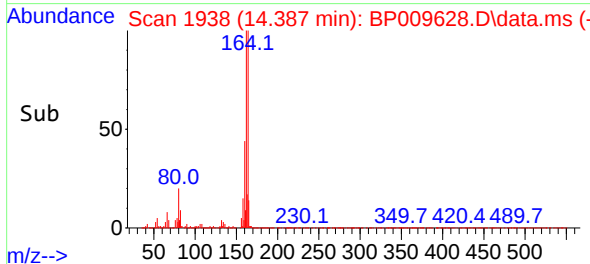
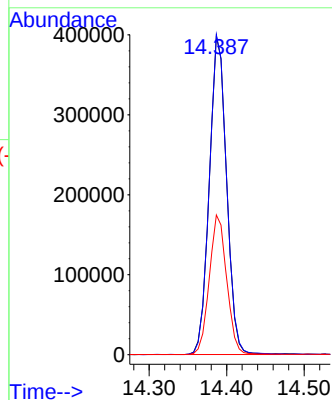
Instrument :
BNA_P
ClientSampleId :
22L076-F



Tgt Ion:164 Resp: 615792
Ion Ratio Lower Upper
164 100
162 100.4 79.1 118.7
160 43.8 34.9 52.3

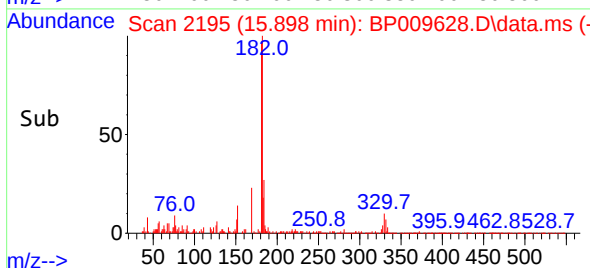
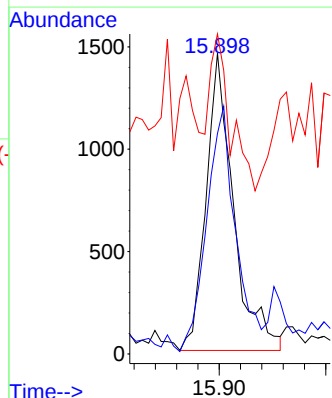
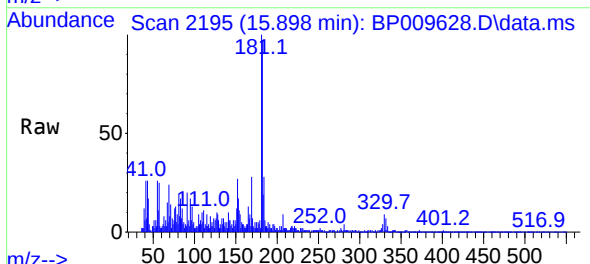
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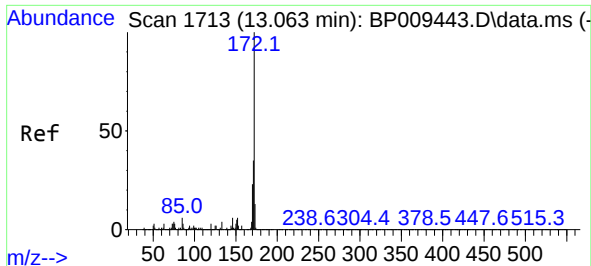
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#42
2,4,6-Tribromophenol
Concen: 0.26 ng
RT: 15.898 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

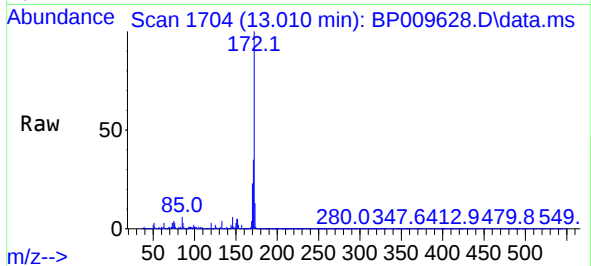
Tgt Ion:330 Resp: 2600
Ion Ratio Lower Upper
330 100
332 86.7 77.0 115.6
141 38.2 27.6 41.4





#45
2-Fluorobiphenyl
Concen: 61.94 ng
RT: 13.010 min Scan# 1713
Delta R.T. 0.000 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

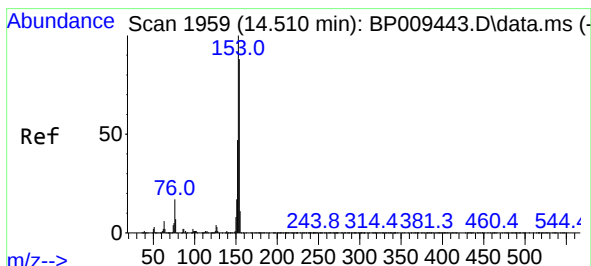
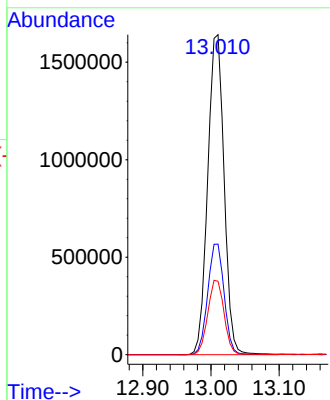
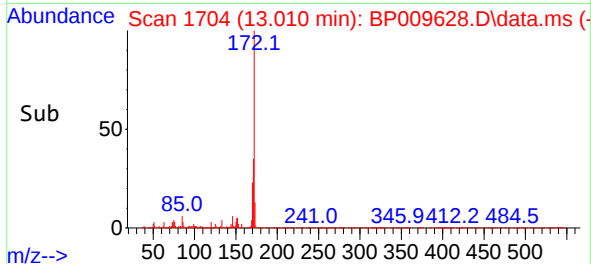
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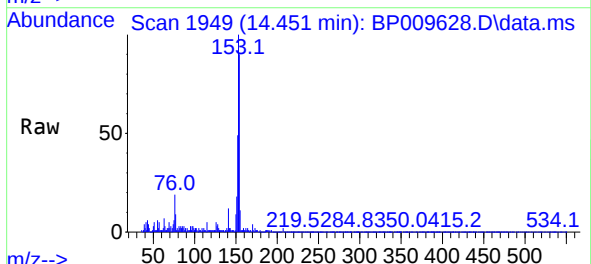
Tgt Ion:172 Resp: 275157
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 22.9 18.6 27.8

Manual Integrations
APPROVED

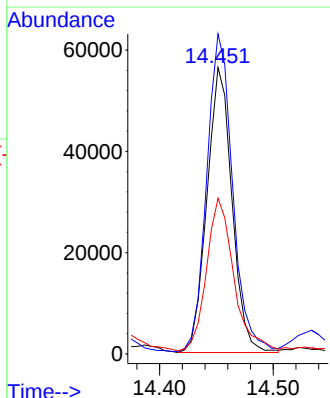
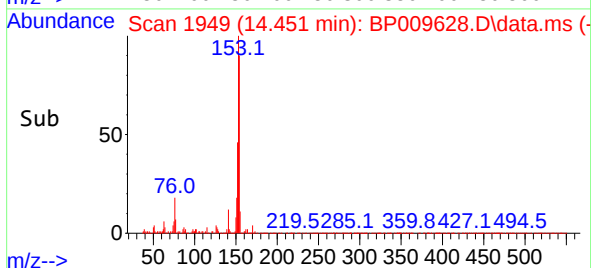
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

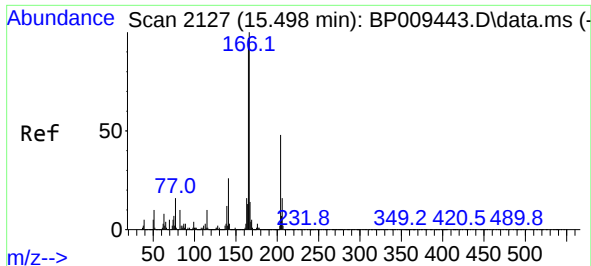


#52
Acenaphthene
Concen: 2.59 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28



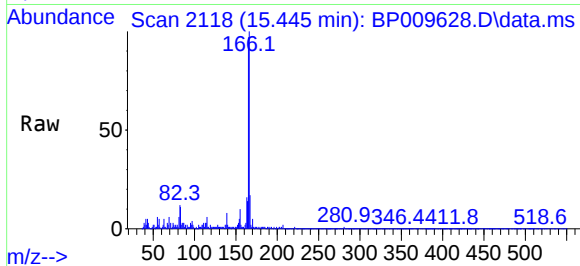
Tgt Ion:154 Resp: 86281
Ion Ratio Lower Upper
154 100
153 111.7 90.2 135.4
152 54.4 42.7 64.1





#58
Fluorene
Concen: 2.73 ng
RT: 15.445 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

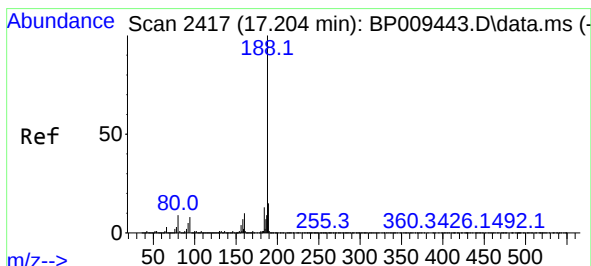
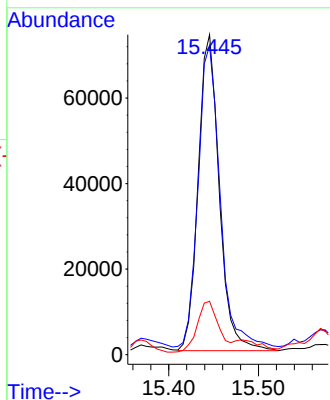
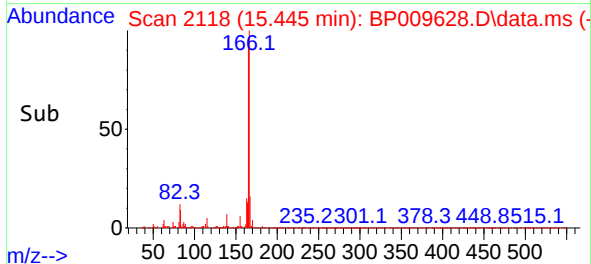
Instrument :
BNA_P
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22L076-F



Tgt Ion:166 Resp: 120209
Ion Ratio Lower Upper
166 100
165 96.6 79.2 118.8
167 16.7 10.7 16.1

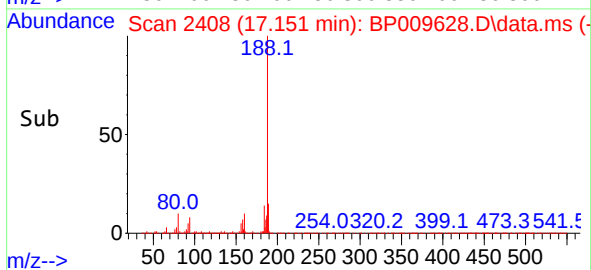
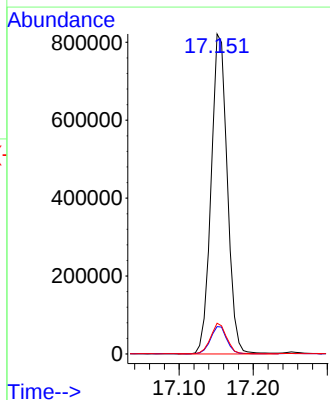
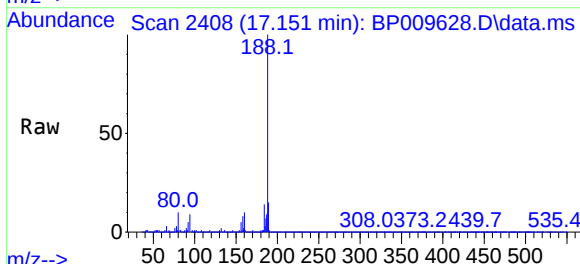
Manual Integrations
APPROVED

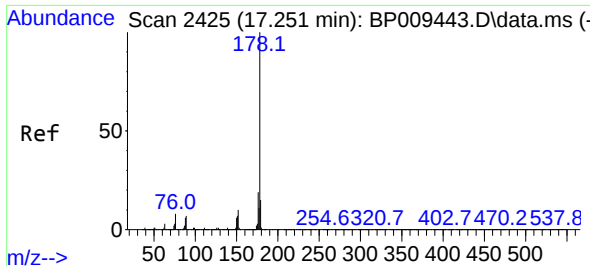
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

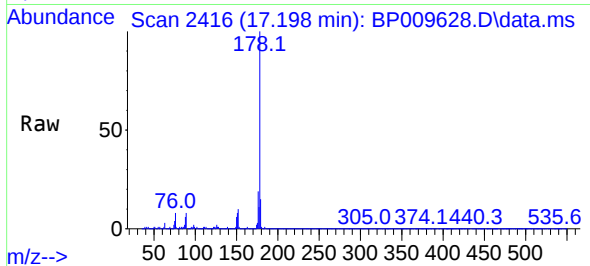
Tgt Ion:188 Resp: 1243559
Ion Ratio Lower Upper
188 100
94 8.6 7.9 11.9
80 9.6 8.8 13.2





#71
Phenanthrene
Concen: 21.40 ng
RT: 17.198 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

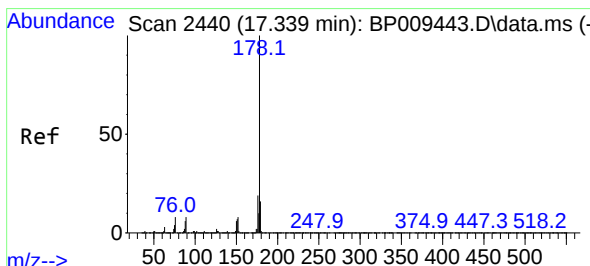
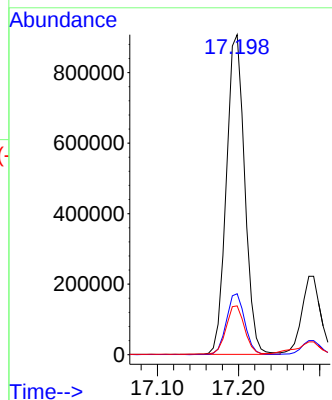
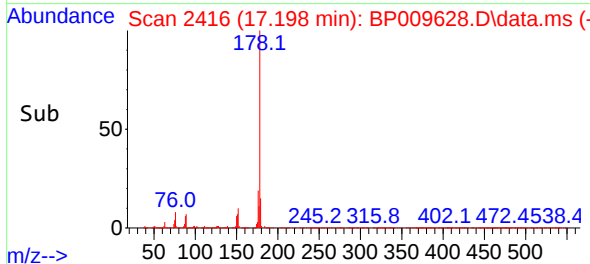
Instrument :
BNA_P
ClientSampleId :
22L076-F



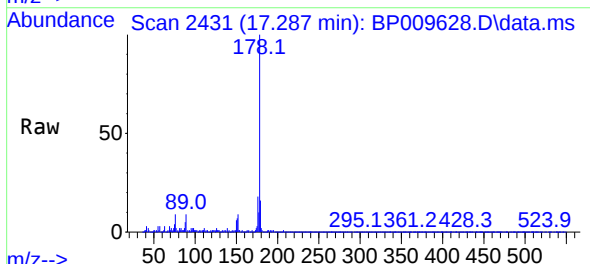
Tgt Ion:178 Resp: 1424879
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.2 12.3 18.5

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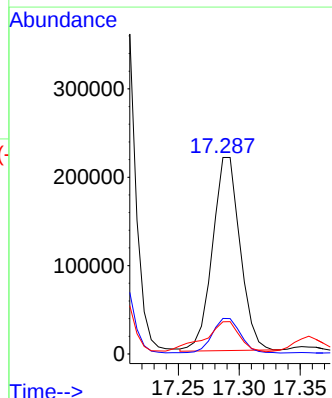
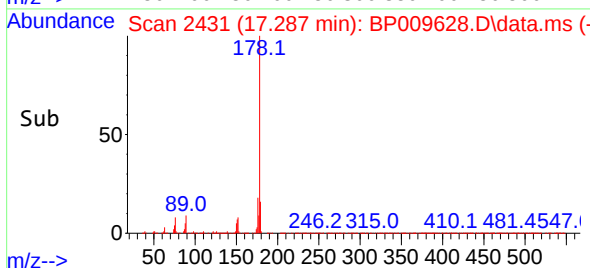
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

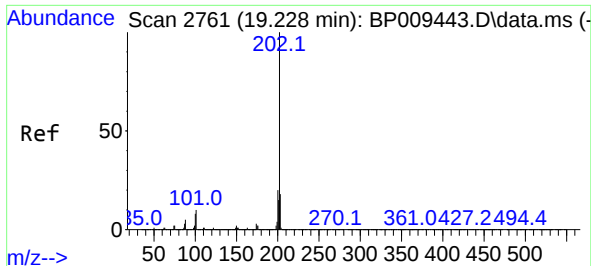


#72
Anthracene
Concen: 5.25 ng
RT: 17.287 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28



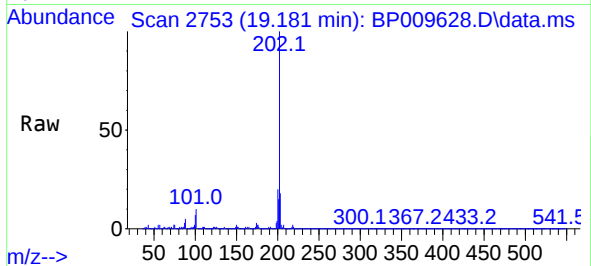
Tgt Ion:178 Resp: 345183
Ion Ratio Lower Upper
178 100
176 18.1 14.8 22.2
179 16.4 12.2 18.4





#75
Fluoranthene
Concen: 14.78 ng
RT: 19.181 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

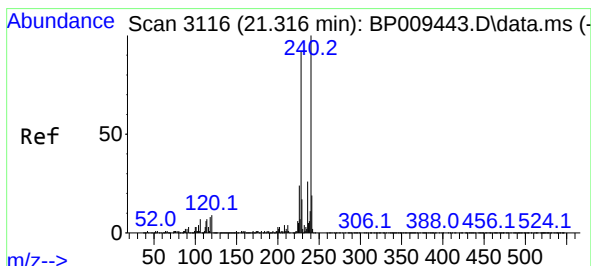
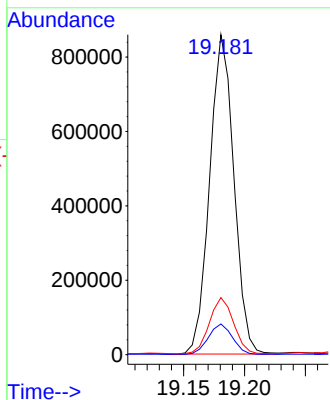
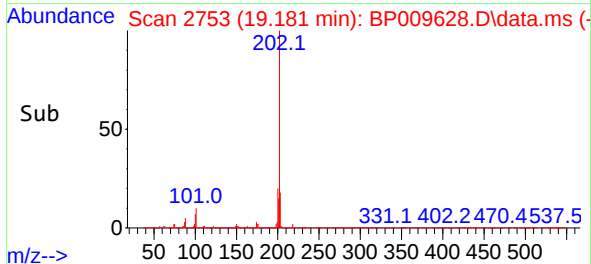
Instrument :
BNA_P
ClientSampleId :
22L076-F



Tgt Ion:202 Resp: 1191314
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.5
203 17.9 0.0 37.8

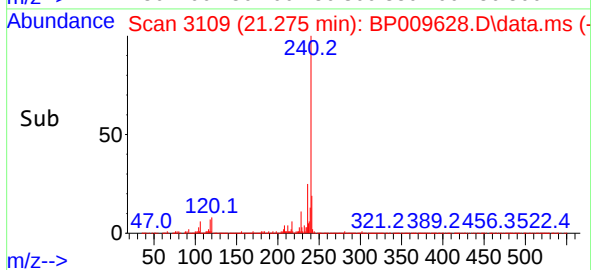
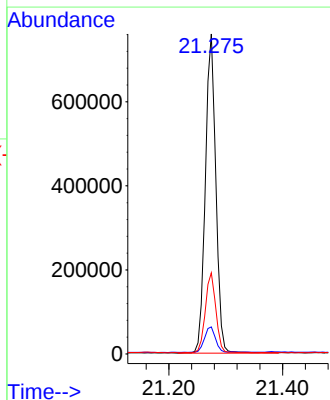
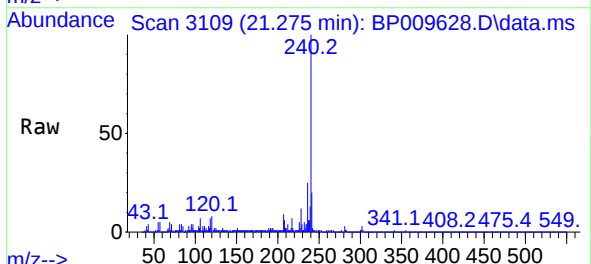
Manual Integrations
APPROVED

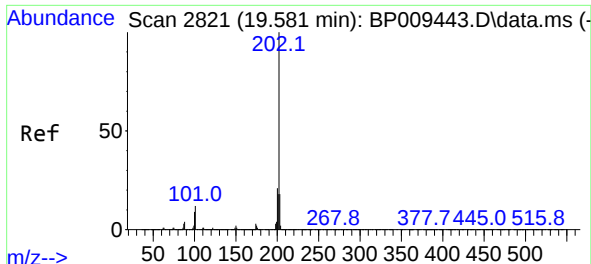
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.275 min Scan# 3109
Delta R.T. 0.000 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

Tgt Ion:240 Resp: 968198
Ion Ratio Lower Upper
240 100
120 8.4 9.0 13.4#
236 25.4 20.6 30.8





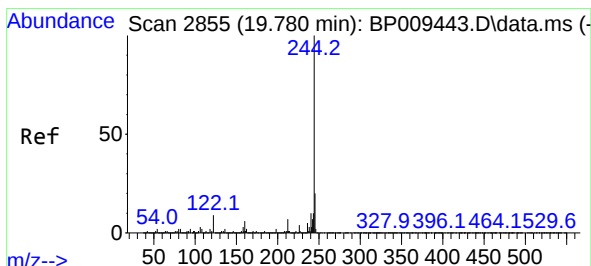
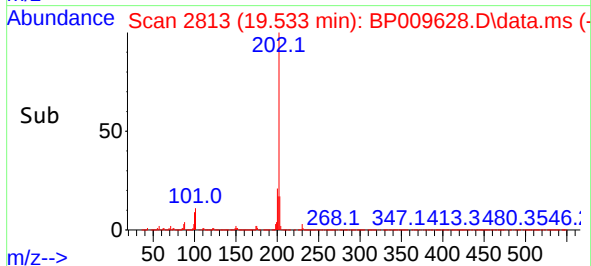
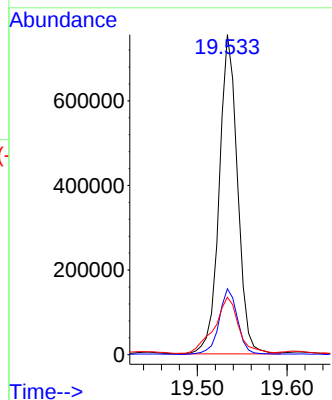
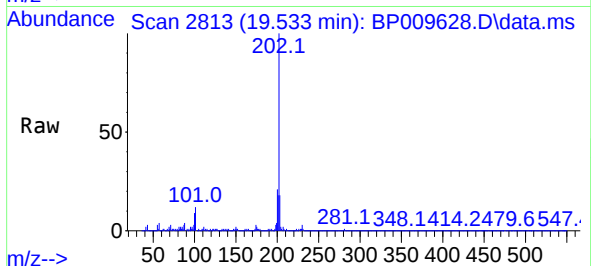
#78
Pyrene
Concen: 16.76 ng
RT: 19.533 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

Instrument :
BNA_P
ClientSampleId :
22L076-F

Tgt Ion:202 Resp: 1069270
Ion Ratio Lower Upper
202 100
200 20.6 16.8 25.2
203 18.0 14.2 21.4

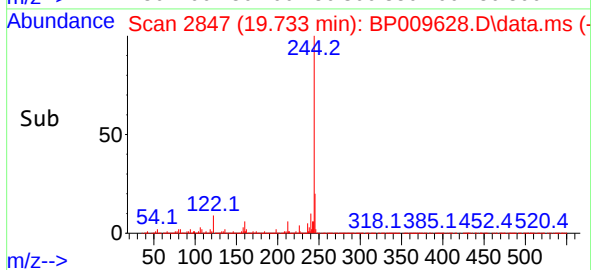
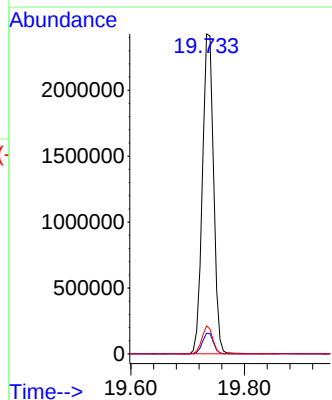
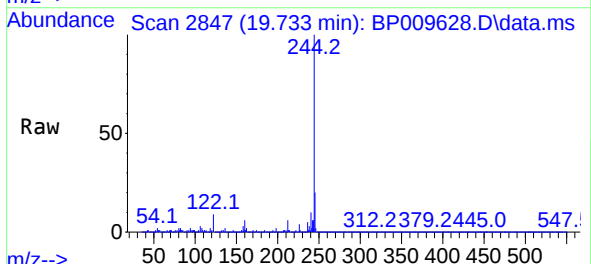
Manual Integrations
APPROVED

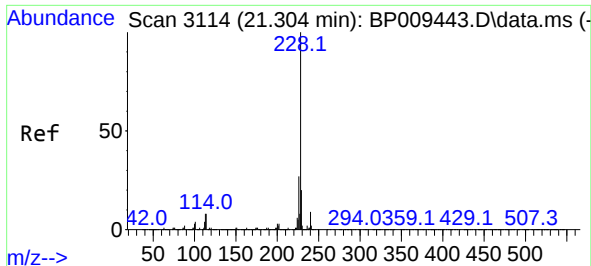
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#79
Terphenyl-d14
Concen: 61.50 ng
RT: 19.733 min Scan# 2847
Delta R.T. -0.006 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

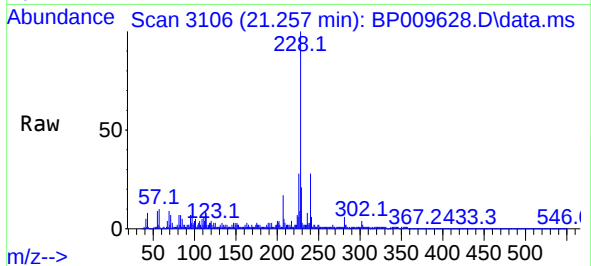
Tgt Ion:244 Resp: 3317567
Ion Ratio Lower Upper
244 100
212 6.5 5.8 8.6
122 8.7 8.3 12.5





#81
Benzo(a)anthracene
Concen: 8.96 ng
RT: 21.257 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

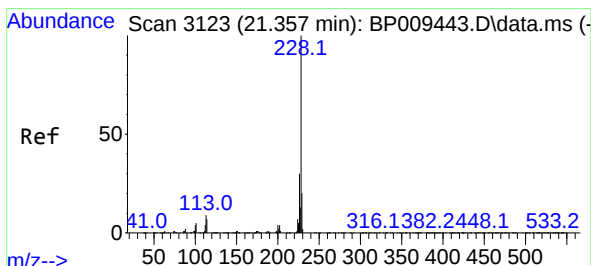
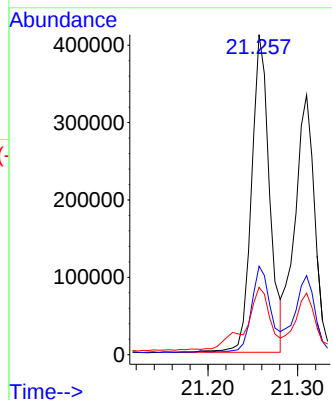
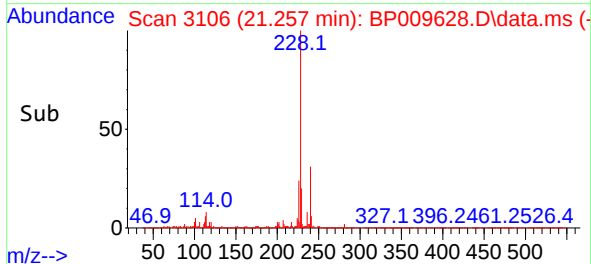
Instrument :
BNA_P
ClientSampleId :
22L076-F



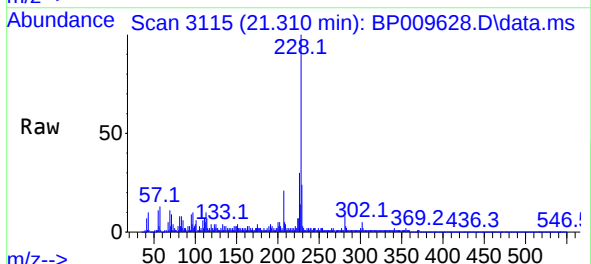
Tgt Ion:228 Resp: 569714
Ion Ratio Lower Upper
228 100
226 27.6 22.0 33.0
229 21.1 16.1 24.1

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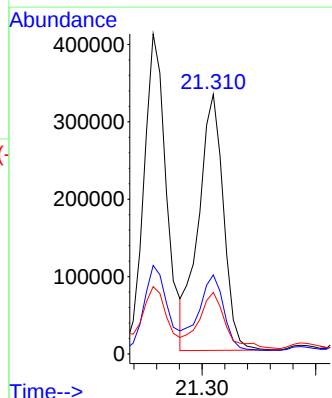
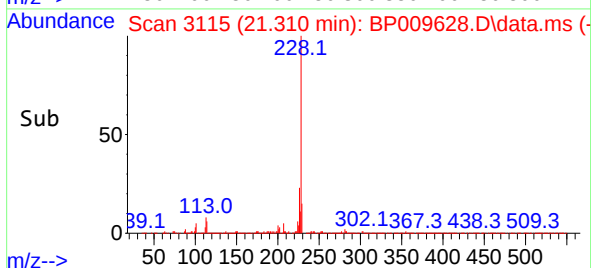
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

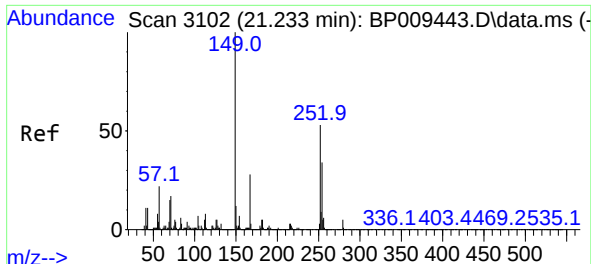


#83
Chrysene
Concen: 8.41 ng
RT: 21.310 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28



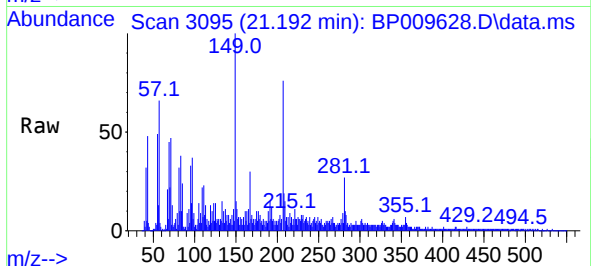
Tgt Ion:228 Resp: 506481
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 23.7 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.65 ng
RT: 21.192 min Scan# 3095
Delta R.T. 0.000 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

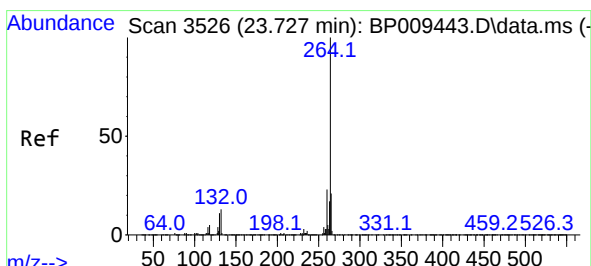
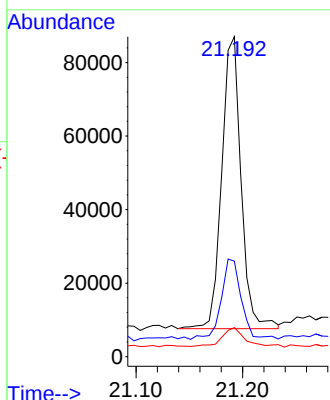
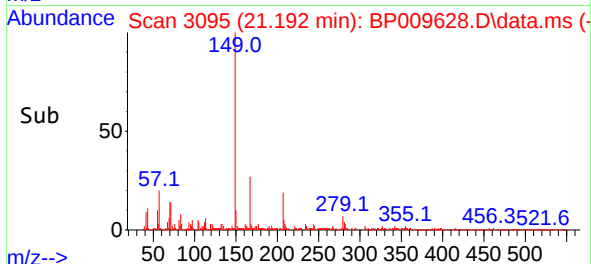
Instrument :
BNA_P
ClientSampleId :
22L076-F



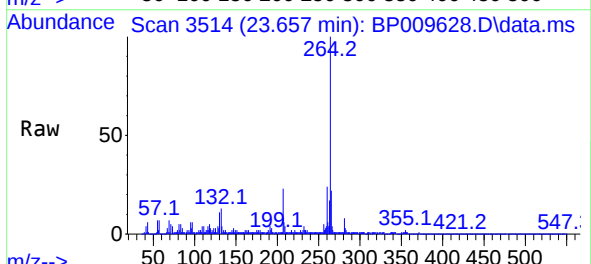
Tgt Ion:149 Resp: 100068
Ion Ratio Lower Upper
149 100
167 29.8 22.6 33.8
279 9.1 3.8 5.6

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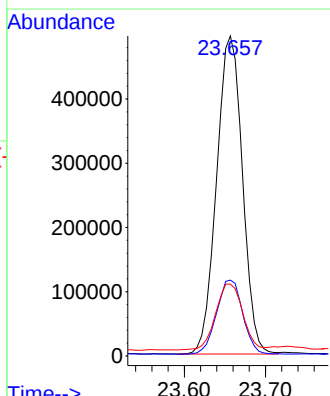
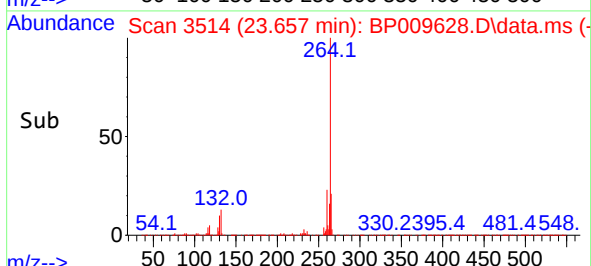
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

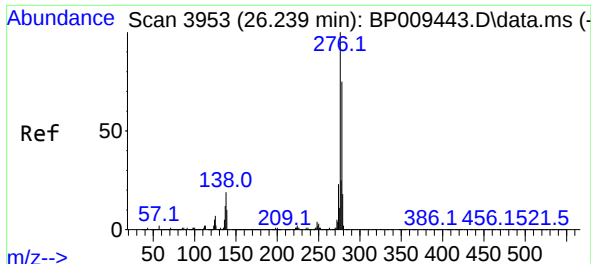


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.657 min Scan# 3514
Delta R.T. 0.006 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28



Tgt Ion:264 Resp: 1097434
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.0
265 22.5 17.2 25.8





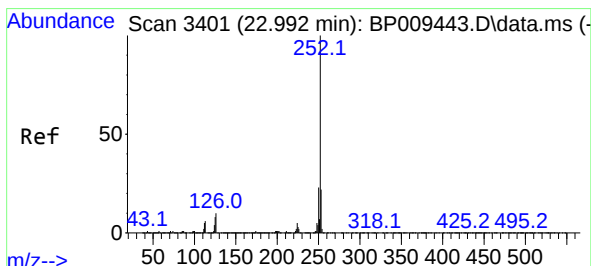
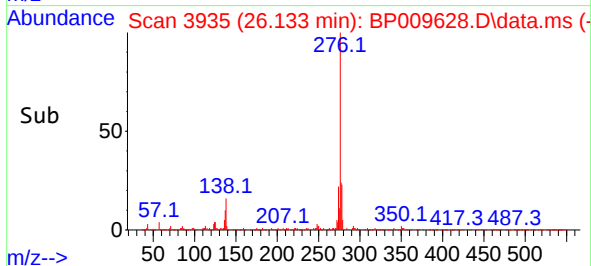
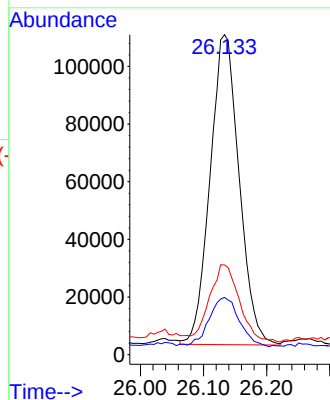
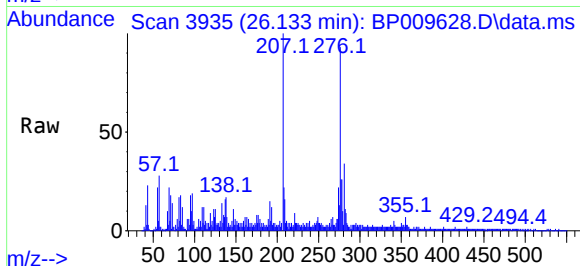
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.13 ng
RT: 26.133 min Scan# 3391
Delta R.T. -0.006 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

Instrument :
BNA_P
ClientSampleId :
22L076-F

Tgt Ion: 276 Resp: 34403
Ion Ratio Lower Upper
276 100
138 16.6 20.5 30.7
277 25.4 20.4 30.6

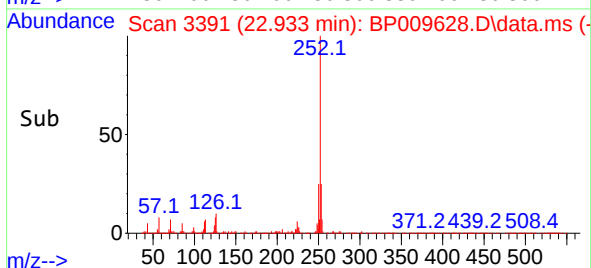
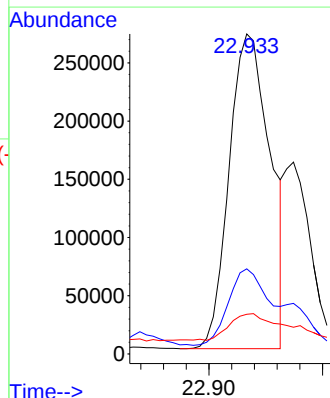
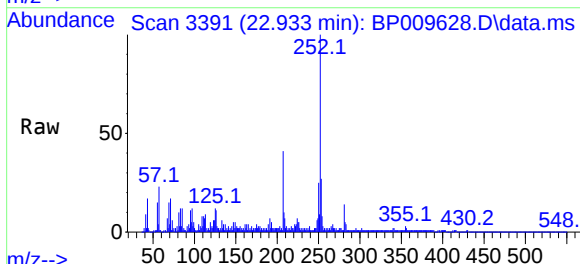
Manual Integrations
APPROVED

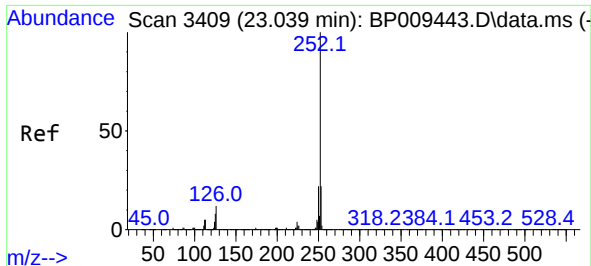
Reviewed By : Christian Giraldo 03/31/2022
Supervised By : Jagrut Upadhyay 03/31/2022



#88
Benzo(b)fluoranthene
Concen: 10.37 ng
RT: 22.933 min Scan# 3391
Delta R.T. 0.006 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

Tgt Ion: 252 Resp: 679501
Ion Ratio Lower Upper
252 100
253 26.6 17.8 26.8
125 12.4 8.1 12.1





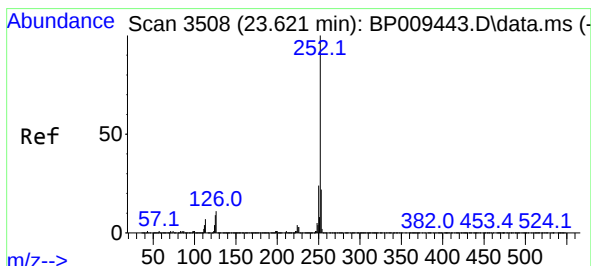
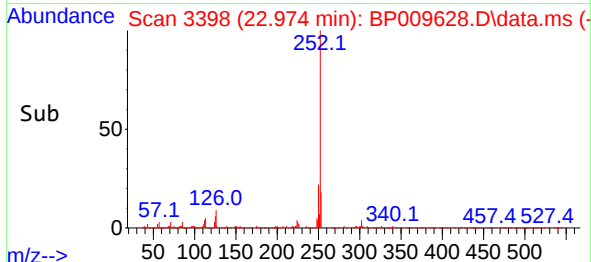
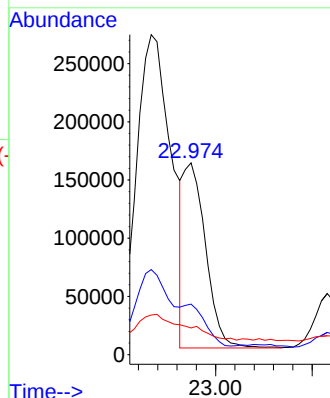
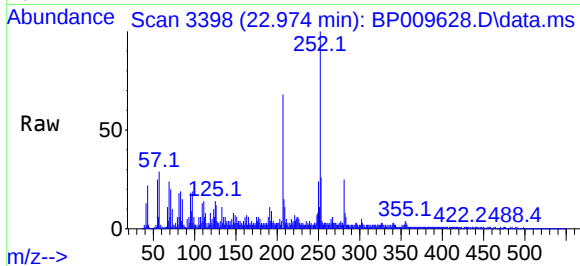
#89
Benzo(k)fluoranthene
Concen: 3.95 ng m
RT: 22.974 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

Instrument :
BNA_P
ClientSampleId :
22L076-F

Tgt Ion:252 Resp: 253134
Ion Ratio Lower Upper
252 100
253 26.4 17.5 26.3
125 13.9 8.3 12.5

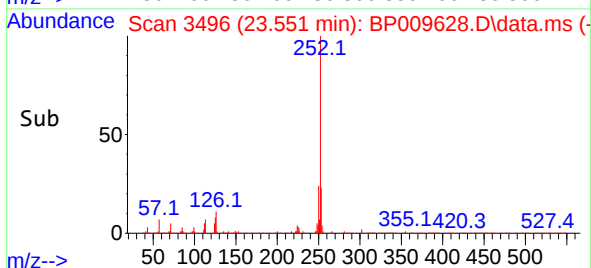
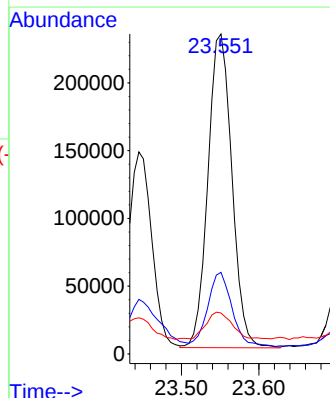
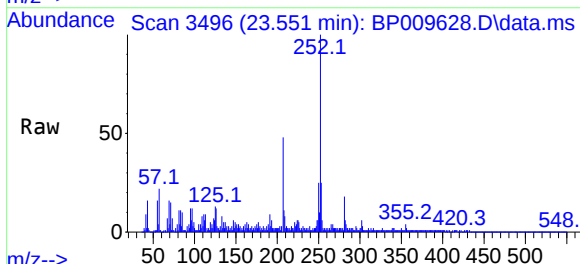
Manual Integrations
APPROVED

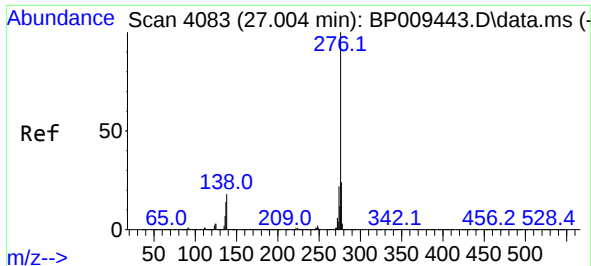
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#90
Benzo(a)pyrene
Concen: 8.88 ng
RT: 23.551 min Scan# 3496
Delta R.T. 0.000 min
Lab File: BP009628.D
Acq: 30 Mar 2022 20:28

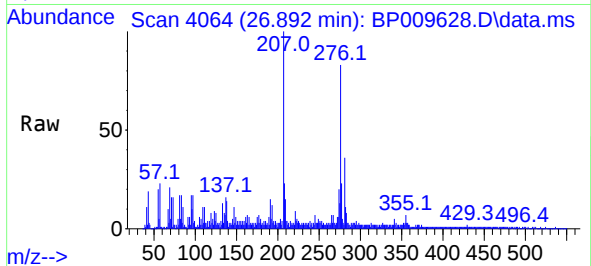
Tgt Ion:252 Resp: 497820
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.6
125 12.8 9.3 13.9





#92
 Benzo(g,h,i)perylene
 Concen: 5.02 ng
 RT: 26.892 min Scan# 4083
 Delta R.T. -0.006 min
 Lab File: BP009628.D
 Acq: 30 Mar 2022 20:28

Instrument :
 BNA_P
 ClientSampleId :
 22L076-F



Tgt Ion: 276 Resp: 342560
 Ion Ratio Lower Upper
 276 100
 277 27.6 19.2 28.8
 138 16.9 18.0 27.0

Manual Integrations
 APPROVED

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

