

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033022\
 Data File : BP009629.D
 Acq On : 30 Mar 2022 21:02
 Operator : CG/JU
 Sample : N2155-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 22L076-D

Manual Integrations
 APPROVED

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

Quant Time: Mar 31 05:22:06 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	239837	20.00	ng	0.00
21) Naphthalene-d8	10.534	136	744993	20.00	ng	0.00
39) Acenaphthene-d10	14.387	164	618120	20.00	ng	0.00
64) Phenanthrene-d10	17.157	188	1234534	20.00	ng	0.00
76) Chrysene-d12	21.274	240	1166429	20.00	ng	0.00
86) Perylene-d12	23.657	264	1317684	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	175431	12.77	ng	0.00
7) Phenol-d6	6.934	99	1000126	53.84	ng	0.00
23) Nitrobenzene-d5	8.899	82	991063	70.69	ng	0.00
42) 2,4,6-Tribromophenol	15.892	330	64524	6.33	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	3273079	73.41	ng	0.00
79) Terphenyl-d14	19.733	244	4662320	71.74	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	7.993	79	97966	6.61	ng	95
31) Naphthalene	10.581	128	252680	6.58	ng	98
37) 2-Methylnaphthalene	12.204	142	163058	6.06	ng	99
38) 1-Methylnaphthalene	12.422	142	99070	3.78	ng	98
52) Acenaphthene	14.451	154	130441	3.90	ng	99
55) Dibenzofuran	14.792	168	154173	2.74	ng	# 96
58) Fluorene	15.445	166	171725	3.88	ng	99
71) Phenanthrene	17.198	178	1758761	26.61	ng	100
72) Anthracene	17.286	178	449582	6.89	ng	98
73) Carbazole	17.569	167	192183	3.01	ng	99
75) Fluoranthene	19.180	202	2063128	25.79	ng	99
78) Pyrene	19.533	202	1796488	23.37	ng	100
81) Benzo(a)anthracene	21.257	228	944251	12.32	ng	98
83) Chrysene	21.310	228	827416	11.40	ng	97
84) Bis(2-ethylhexyl)phtha...	21.186	149	179026	3.93	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.133	276	537861	5.38	ng	# 93
88) Benzo(b)fluoranthene	22.933	252	1105567	14.05	ng	# 93
89) Benzo(k)fluoranthene	22.974	252	400154m	5.20	ng	
90) Benzo(a)pyrene	23.551	252	803223	11.93	ng	96
92) Benzo(g,h,i)perylene	26.898	276	541907	6.61	ng	94

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

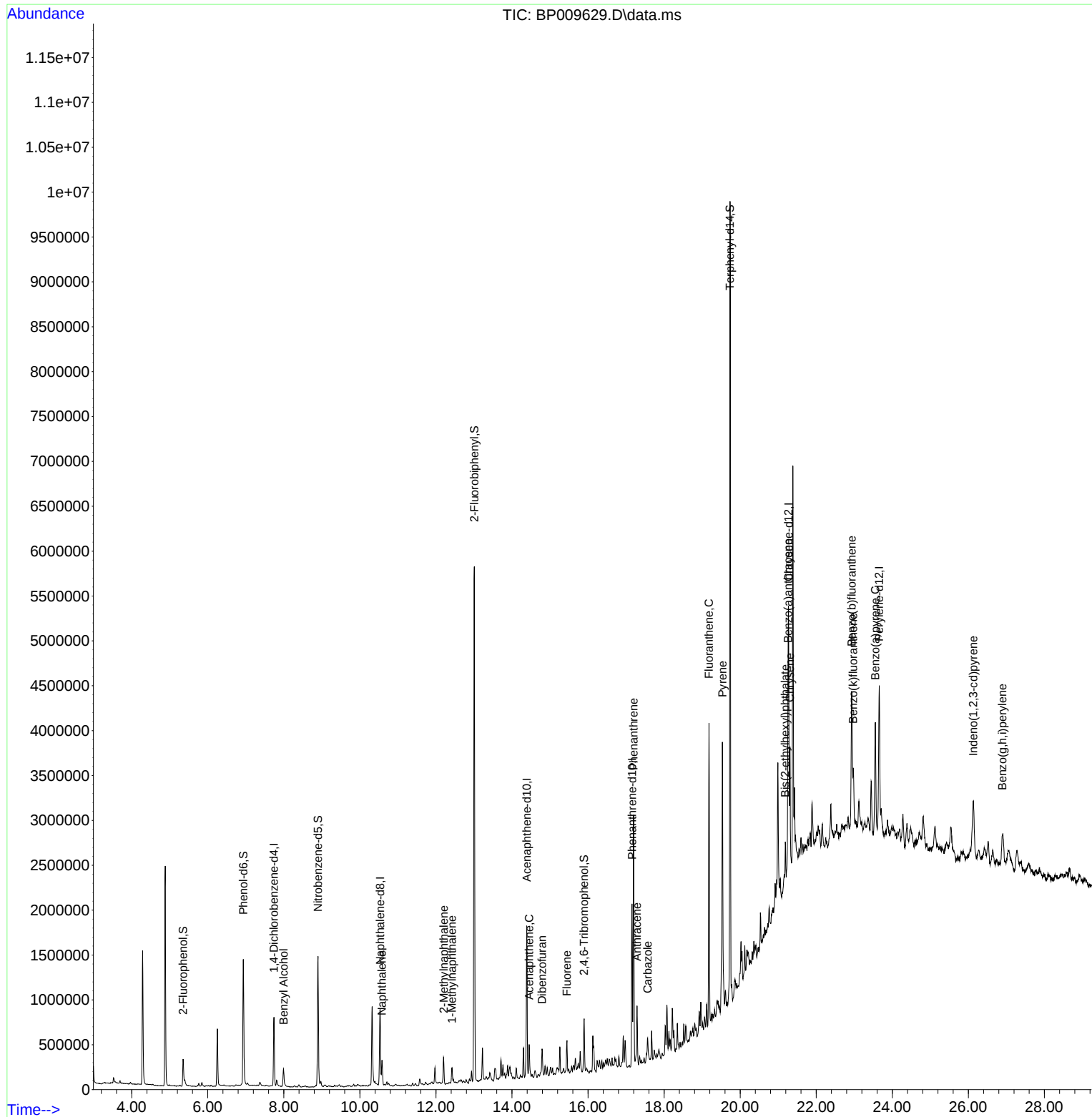
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033022\
Data File : BP009629.D
Acq On : 30 Mar 2022 21:02
Operator : CG/JU
Sample : N2155-04
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ALS Vial : 14 Sample Multiplier: 1

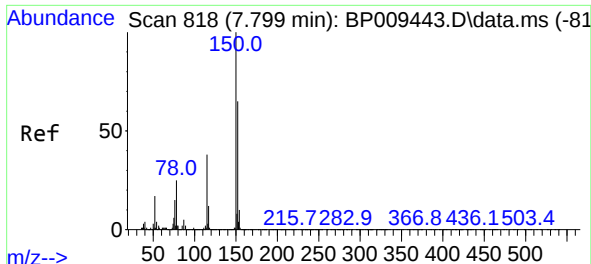
Instrument :
BNA_P
ClientSampleId :
22L076-D

Quant Time: Mar 31 05:22:06 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

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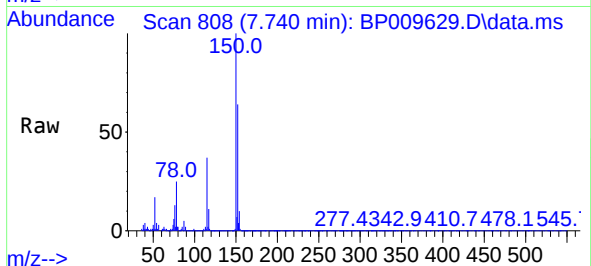
Reviewed By : Christian Giraldo 03/31/2022
Supervised By : Jagrut Upadhyay 03/31/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.740 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

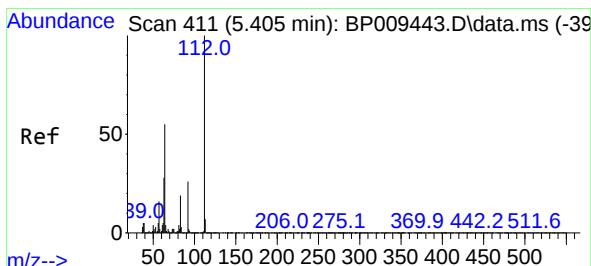
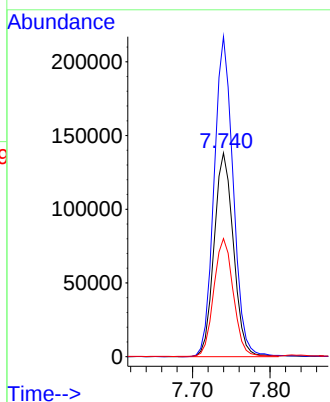
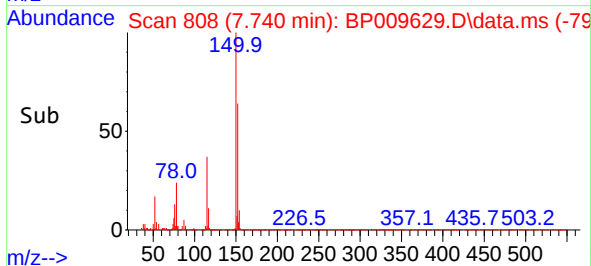
Instrument :
BNA_P
ClientSampleId :
22L076-D



Tgt Ion:152 Resp: 23983
Ion Ratio Lower Upper
152 100
150 157.1 124.5 186.7
115 58.0 48.2 72.4

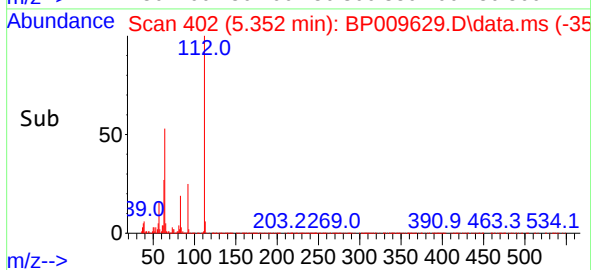
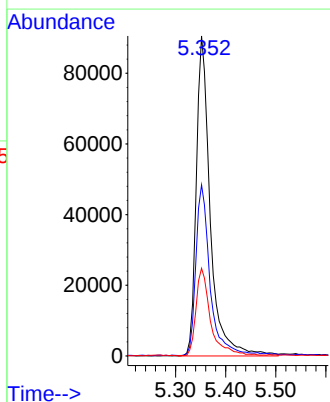
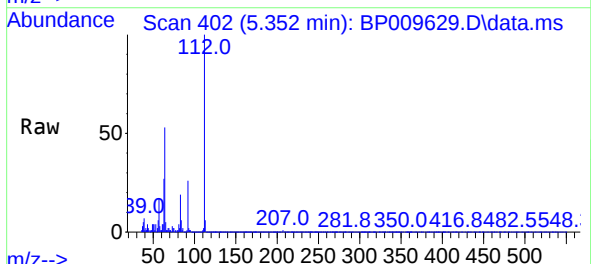
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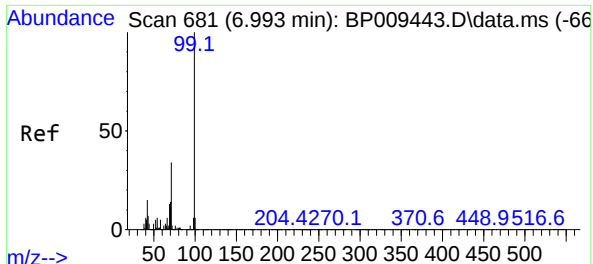
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#5
2-Fluorophenol
Concen: 12.77 ng
RT: 5.352 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

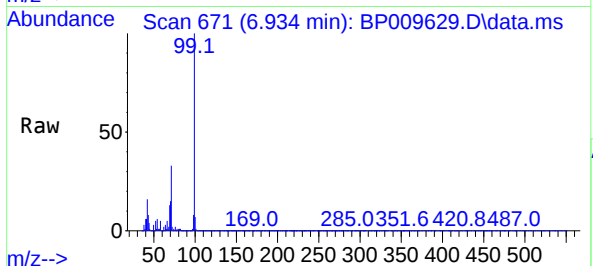
Tgt Ion:112 Resp: 175431
Ion Ratio Lower Upper
112 100
64 53.5 45.0 67.4
63 27.4 23.0 34.6





Phenol-d6
Concen: 53.84 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

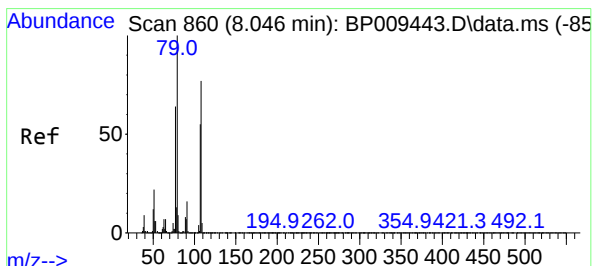
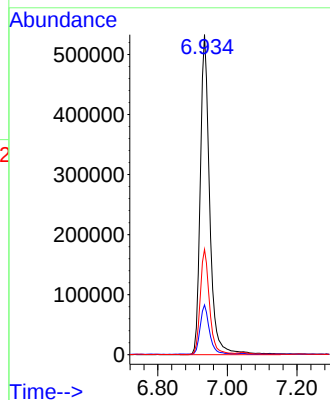
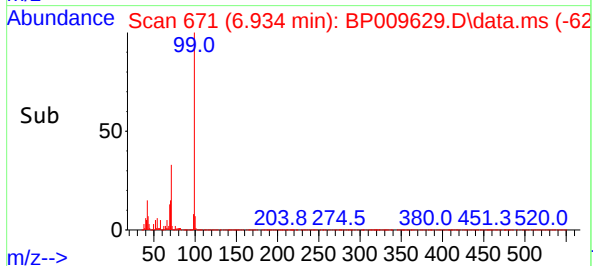
Instrument :
BNA_P
ClientSampleId :
22L076-D



Tgt Ion: 99 Resp: 1000120
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 32.9 26.3 39.5

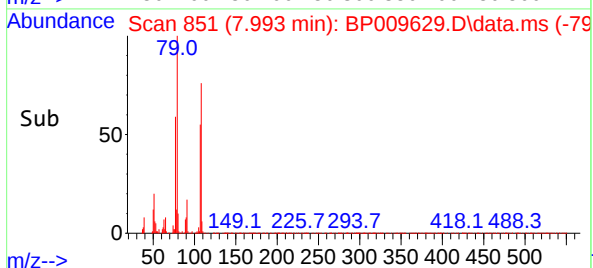
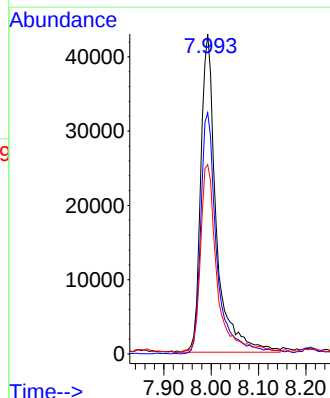
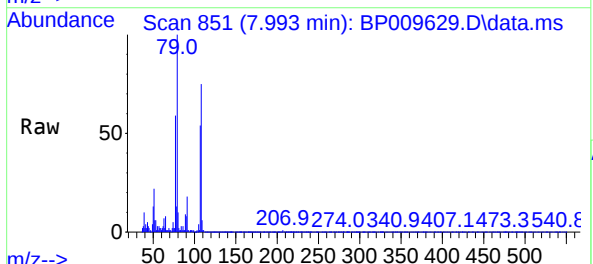
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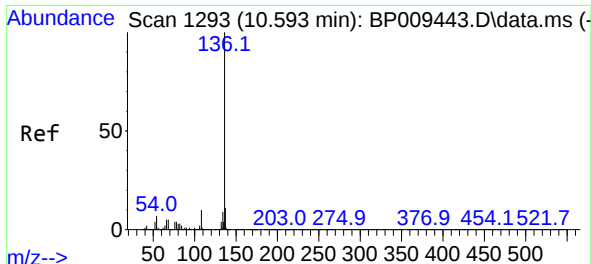
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#15
Benzyl Alcohol
Concen: 6.61 ng
RT: 7.993 min Scan# 851
Delta R.T. 0.006 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

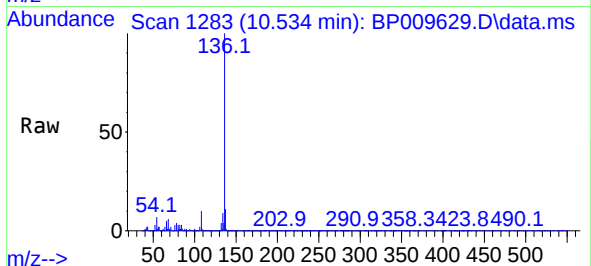
Tgt Ion: 79 Resp: 97966
Ion Ratio Lower Upper
79 100
108 75.4 62.5 93.7
77 59.1 51.7 77.5





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.534 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

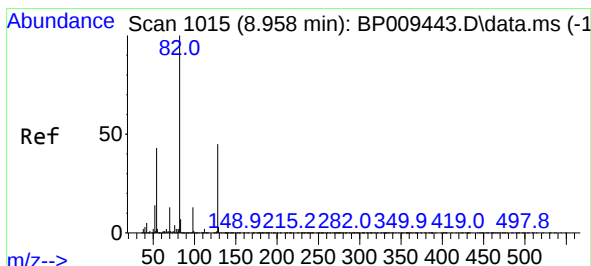
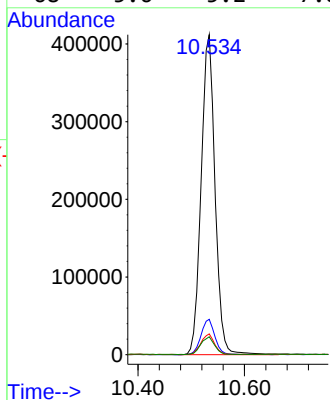
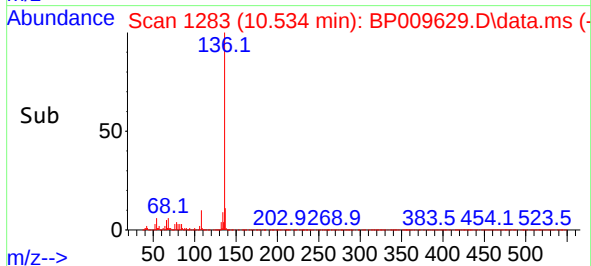
Instrument :
BNA_P
ClientSampleId :
22L076-D



Tgt Ion:136 Resp: 74499
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 6.5 5.8 8.8
68 5.6 5.2 7.8

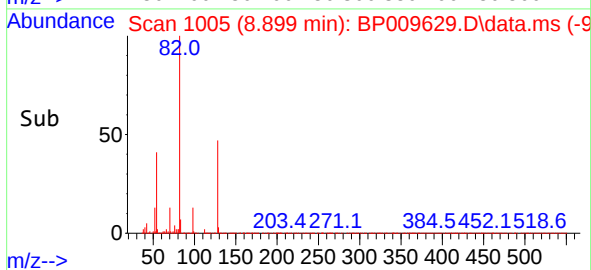
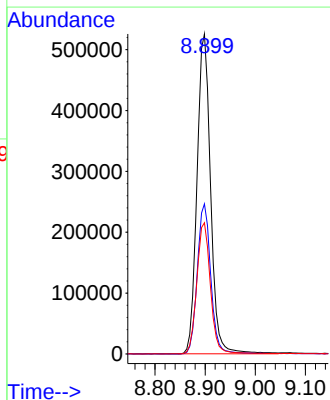
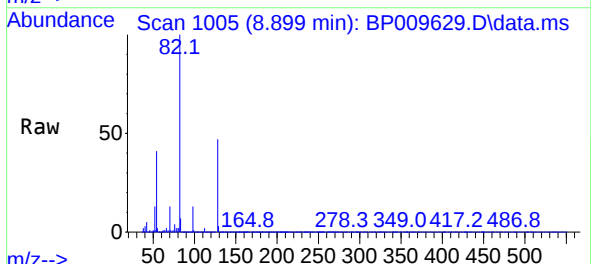
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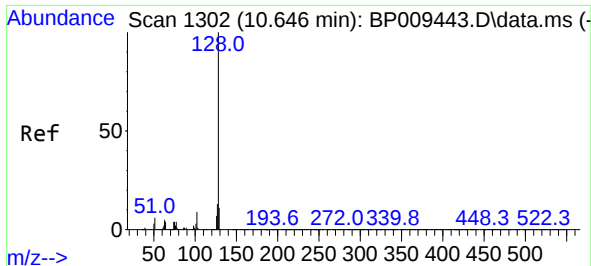
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#23
Nitrobenzene-d5
Concen: 70.69 ng
RT: 8.899 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

Tgt Ion: 82 Resp: 991063
Ion Ratio Lower Upper
82 100
128 46.9 34.2 51.4
54 41.0 34.7 52.1





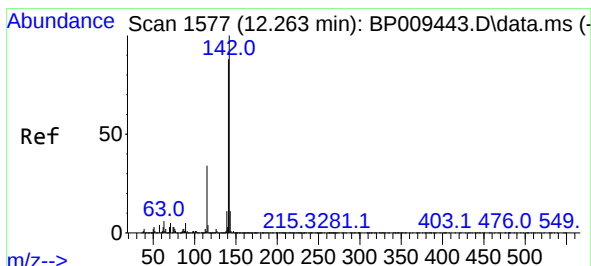
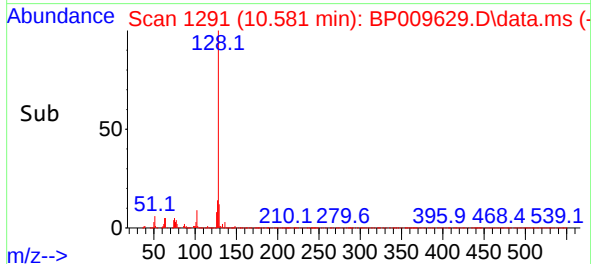
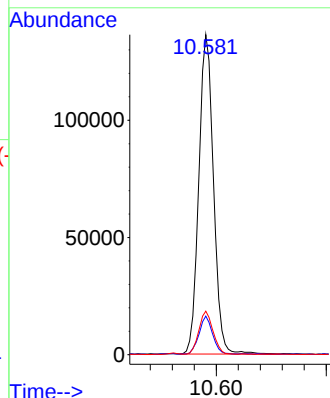
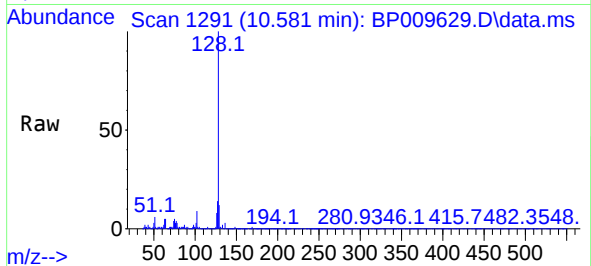
#31
Naphthalene
Concen: 6.58 ng
RT: 10.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

Instrument :
BNA_P
ClientSampleId :
22L076-D

Tgt Ion:128 Resp: 252680
Ion Ratio Lower Upper
128 100
129 12.1 8.6 13.0
127 13.6 10.5 15.7

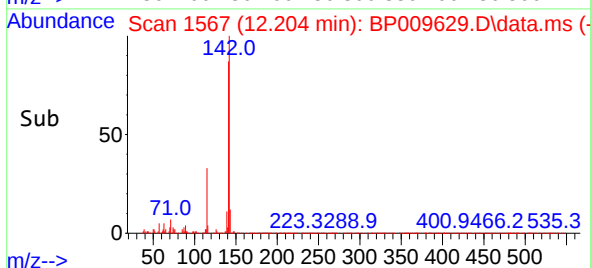
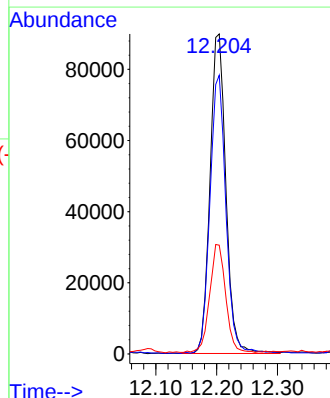
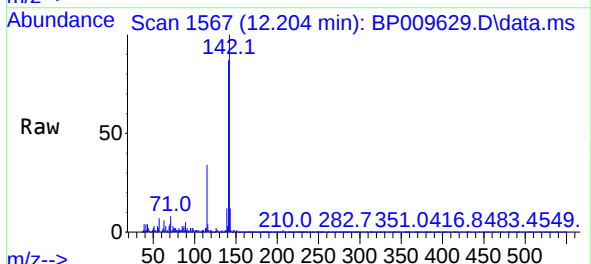
Manual Integrations
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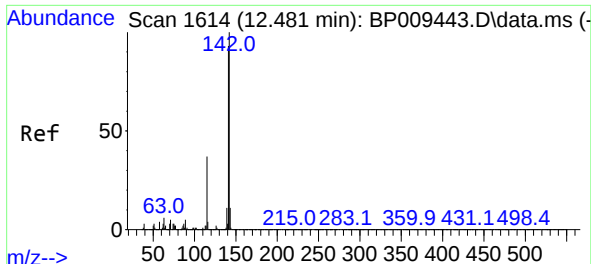
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#37
2-Methylnaphthalene
Concen: 6.06 ng
RT: 12.204 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

Tgt Ion:142 Resp: 163058
Ion Ratio Lower Upper
142 100
141 87.1 70.2 105.4
115 34.0 27.4 41.2





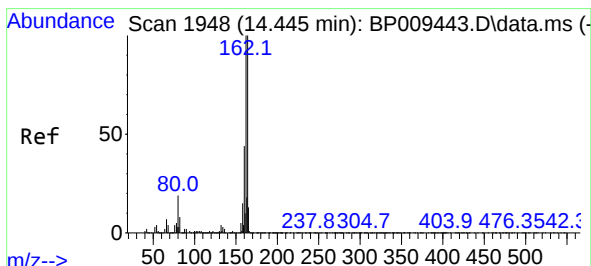
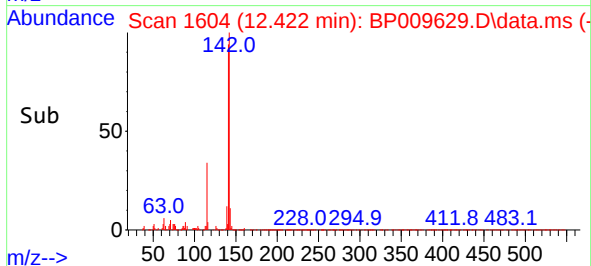
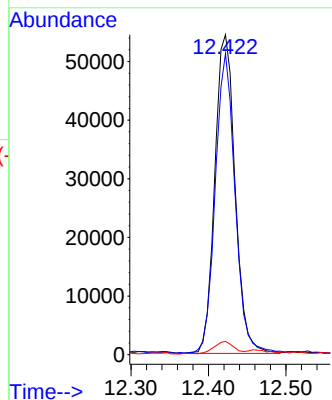
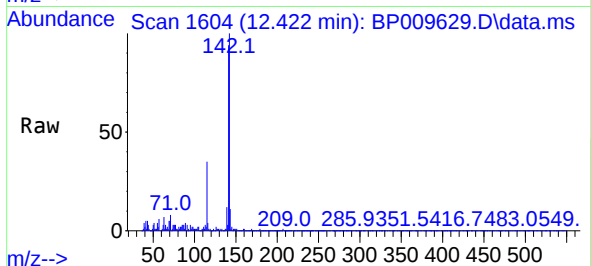
#38
1-Methylnaphthalene
Concen: 3.78 ng
RT: 12.422 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

Instrument :
BNA_P
ClientSampleId :
22L076-D

Tgt Ion:142 Resp: 99070
Ion Ratio Lower Upper
142 100
141 94.1 73.5 110.3
116 4.1 3.3 4.9

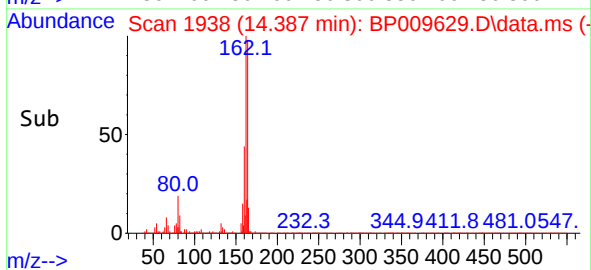
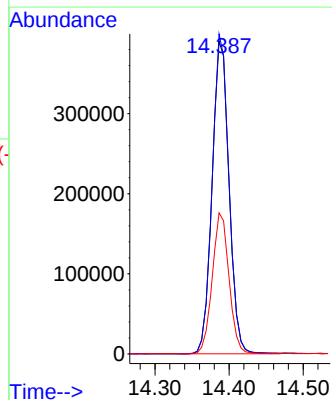
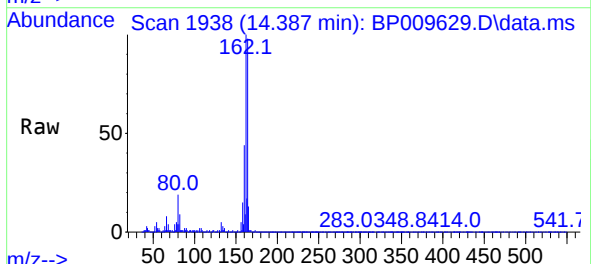
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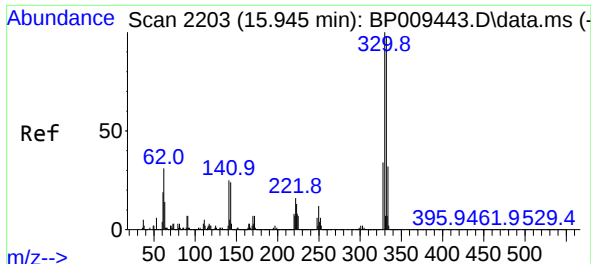
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

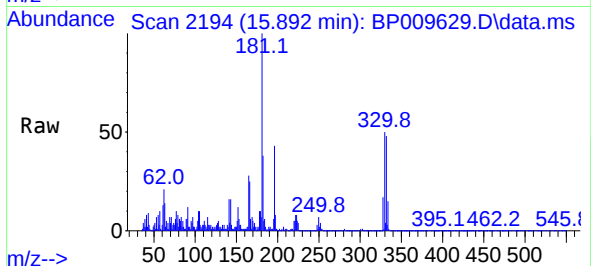
Tgt Ion:164 Resp: 618120
Ion Ratio Lower Upper
164 100
162 102.4 79.1 118.7
160 45.1 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 6.33 ng
RT: 15.892 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

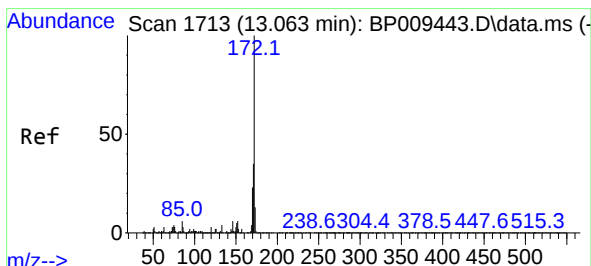
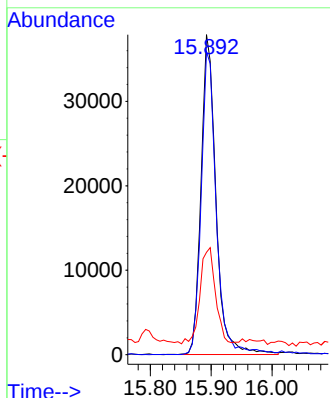
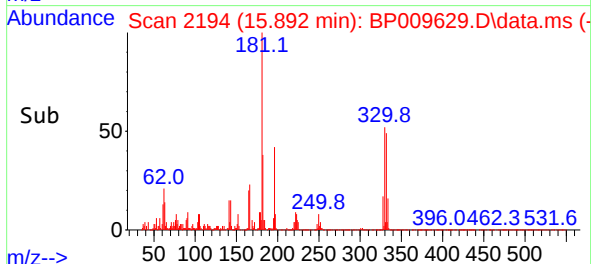
Instrument :
BNA_P
ClientSampleId :
22L076-D



Tgt Ion:330 Resp: 64524
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.6
141 31.0 27.6 41.4

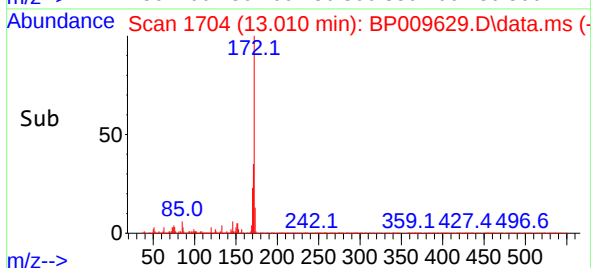
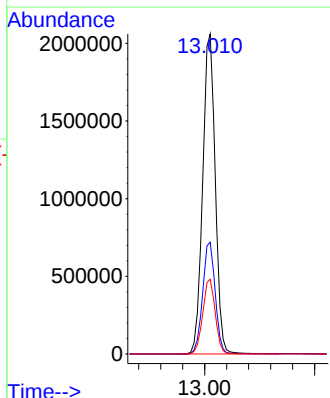
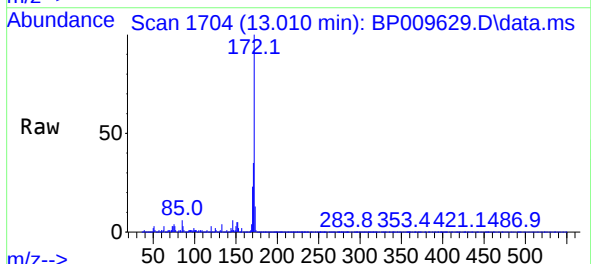
Manual Integrations
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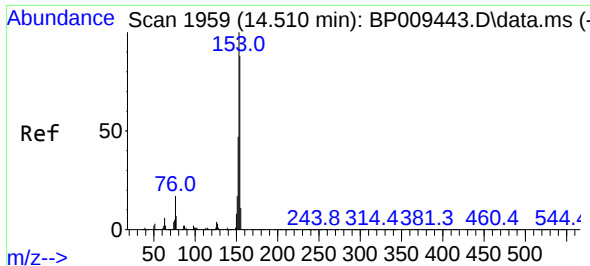
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#45
2-Fluorobiphenyl
Concen: 73.41 ng
RT: 13.010 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

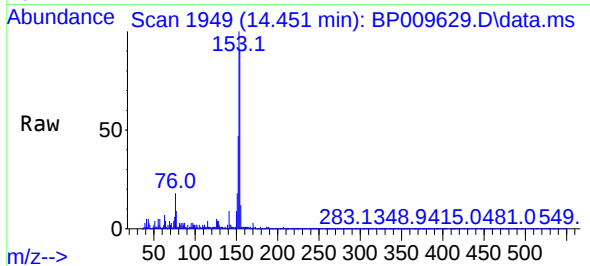
Tgt Ion:172 Resp: 3273079
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 23.4 18.6 27.8





#52
Acenaphthene
Concen: 3.90 ng
RT: 14.451 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

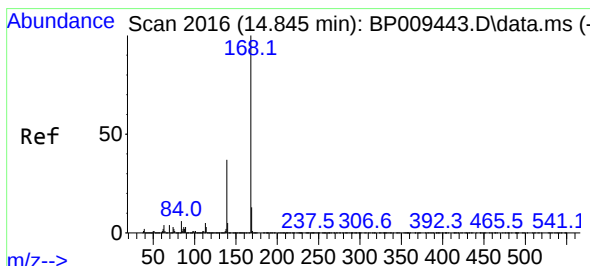
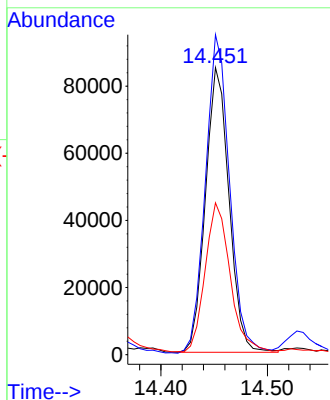
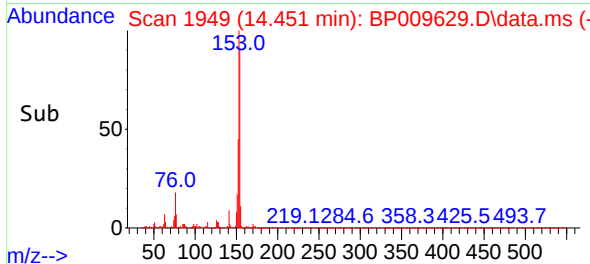
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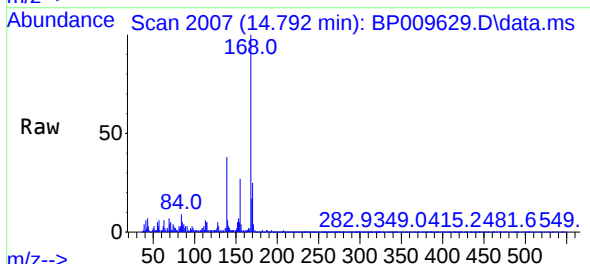
Tgt Ion:154 Resp: 13044
Ion Ratio Lower Upper
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153 111.5 90.2 135.4
152 52.9 42.7 64.1

Manual Integrations
APPROVED

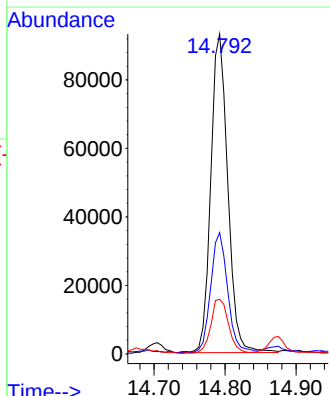
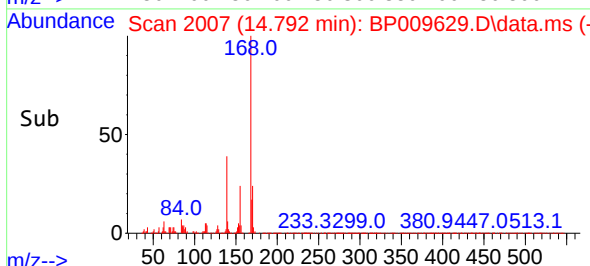
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

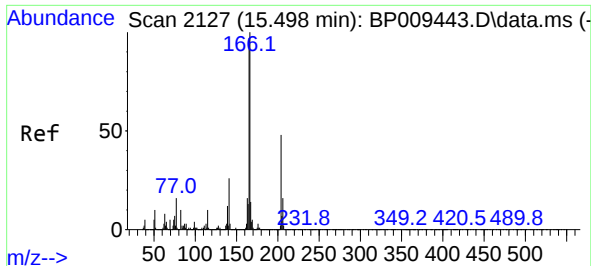


#55
Dibenzofuran
Concen: 2.74 ng
RT: 14.792 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02



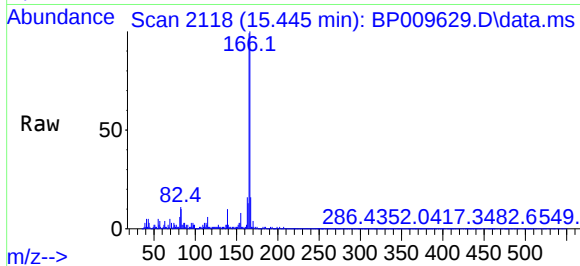
Tgt Ion:168 Resp: 154173
Ion Ratio Lower Upper
168 100
139 37.9 29.1 43.7
169 17.1 10.6 16.0#





#58
Fluorene
Concen: 3.88 ng
RT: 15.445 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

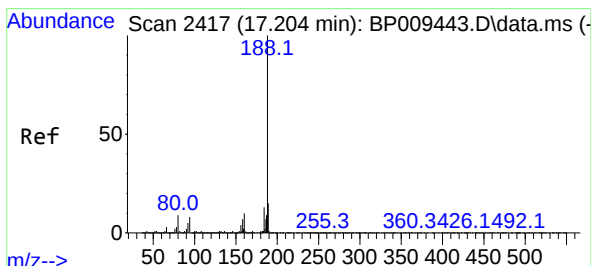
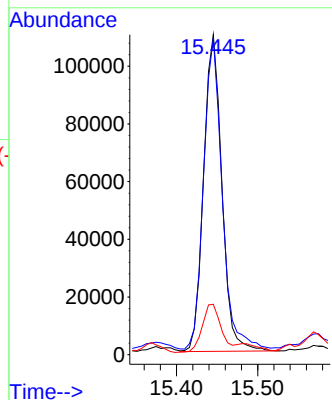
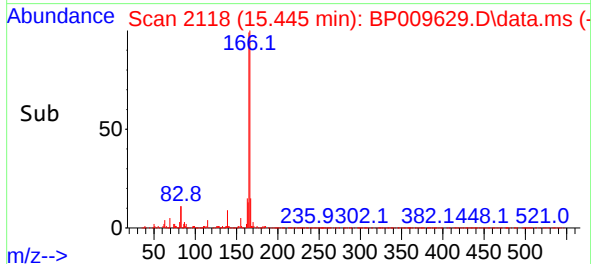
Instrument :
BNA_P
ClientSampleId :
22L076-D



Tgt Ion:166 Resp: 171729
Ion Ratio Lower Upper
166 100
165 98.9 79.2 118.8
167 15.8 10.7 16.1

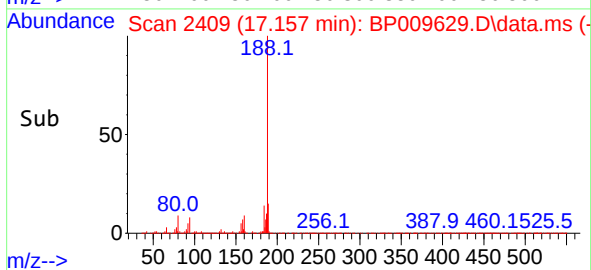
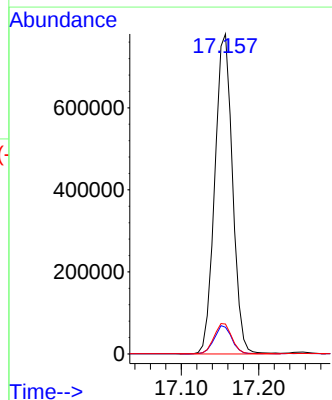
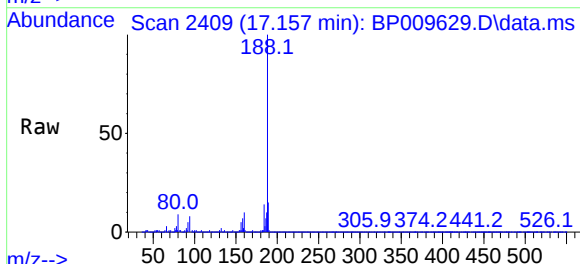
Manual Integrations
APPROVED

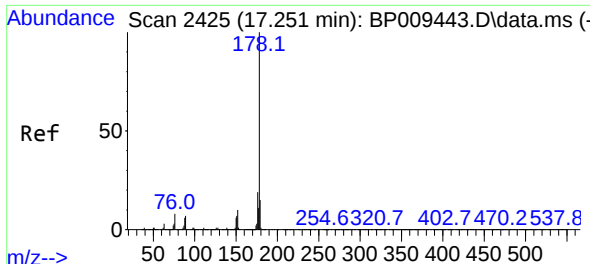
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.157 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

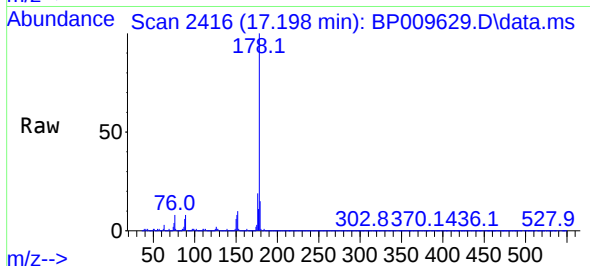
Tgt Ion:188 Resp: 1234534
Ion Ratio Lower Upper
188 100
94 8.4 7.9 11.9
80 9.3 8.8 13.2





#71
Phenanthrene
Concen: 26.61 ng
RT: 17.198 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

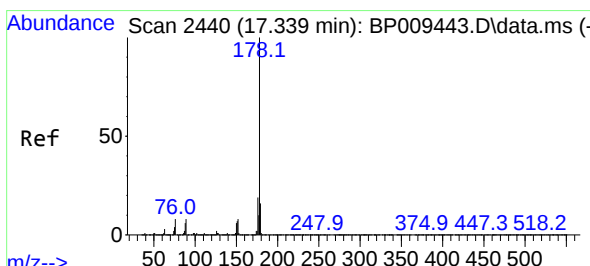
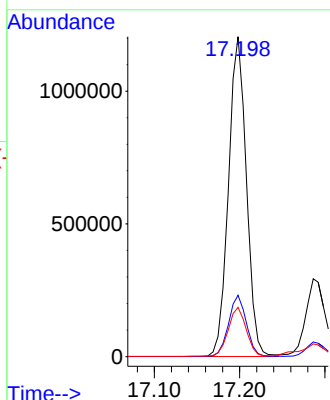
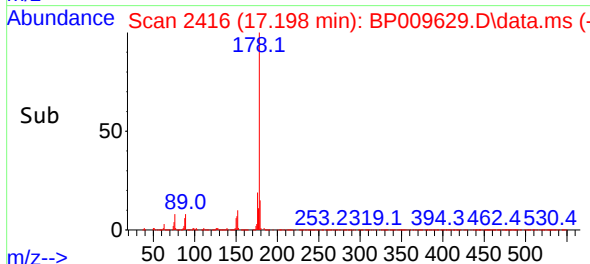
Instrument :
BNA_P
ClientSampleId :
22L076-D



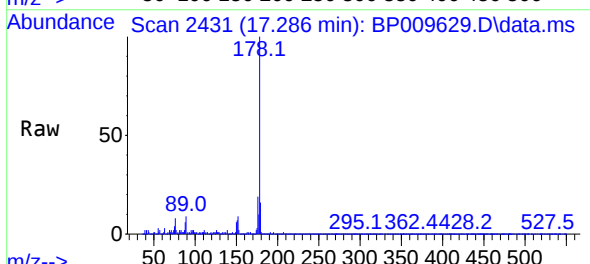
Tgt Ion:178 Resp: 175876
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.4 12.3 18.5

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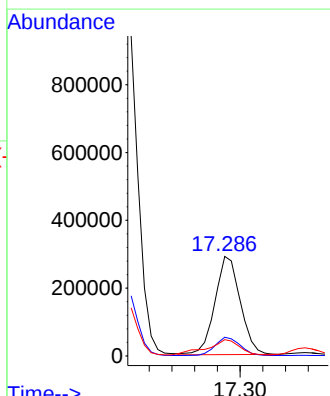
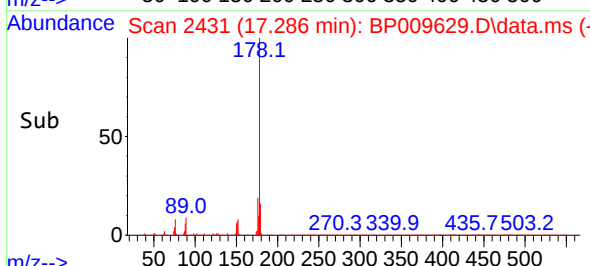
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

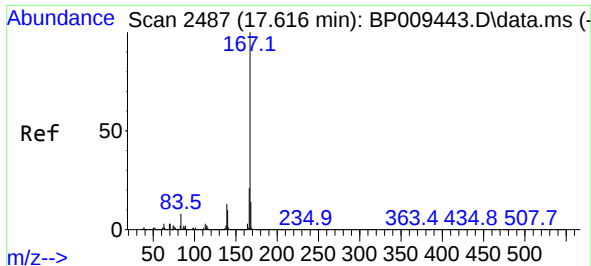


#72
Anthracene
Concen: 6.89 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02



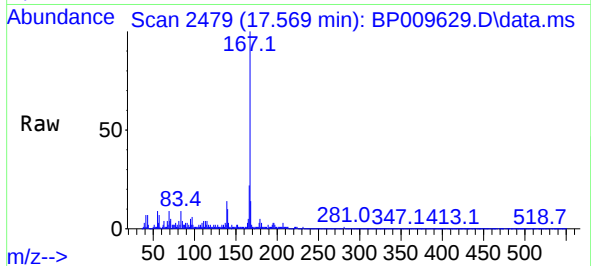
Tgt Ion:178 Resp: 449582
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 16.5 12.2 18.4





#73
 Carbazole
 Concen: 3.01 ng
 RT: 17.569 min Scan# 2487
 Delta R.T. 0.000 min
 Lab File: BP009629.D
 Acq: 30 Mar 2022 21:02

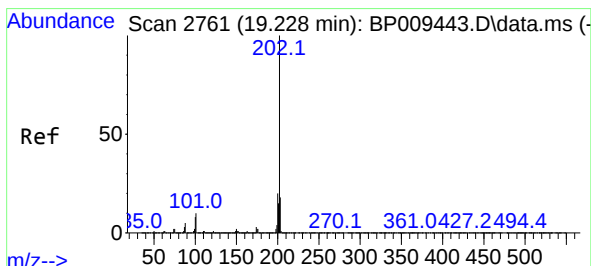
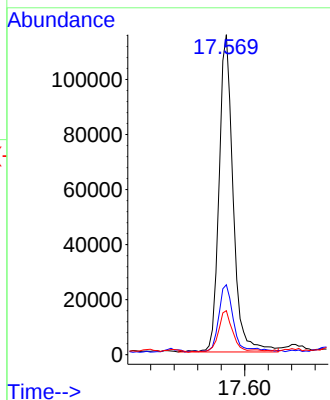
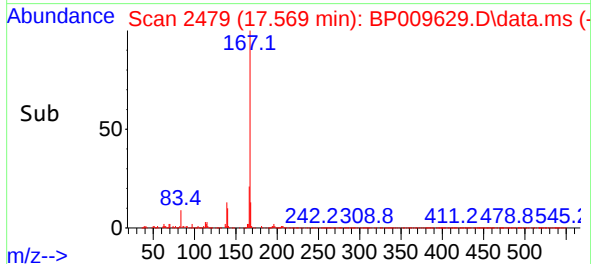
Instrument :
 BNA_P
 ClientSampleId :
 22L076-D



Tgt Ion:167 Resp: 19218
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.2 25.8
 139 13.7 10.3 15.5

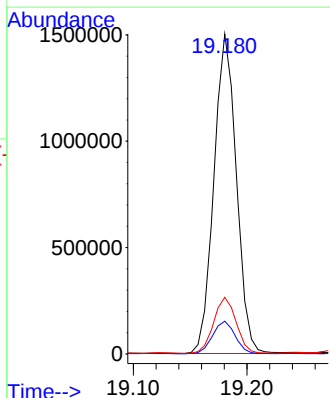
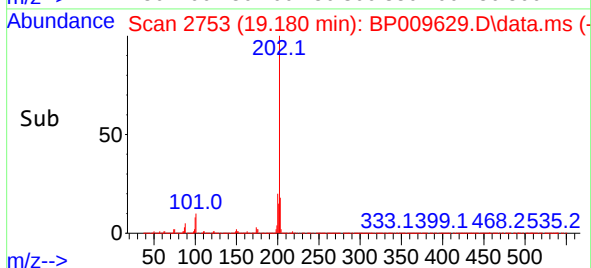
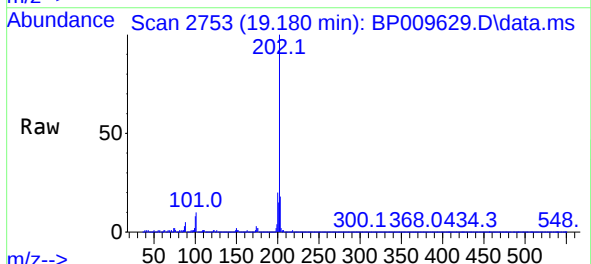
Manual Integrations
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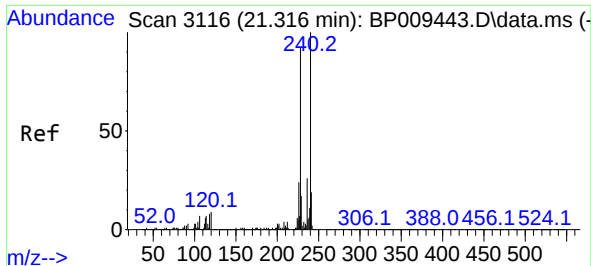
Reviewed By :Christian Giraldo 03/31/2022
 Supervised By :Jagrut Upadhyay 03/31/2022



#75
 Fluoranthene
 Concen: 25.79 ng
 RT: 19.180 min Scan# 2753
 Delta R.T. 0.000 min
 Lab File: BP009629.D
 Acq: 30 Mar 2022 21:02

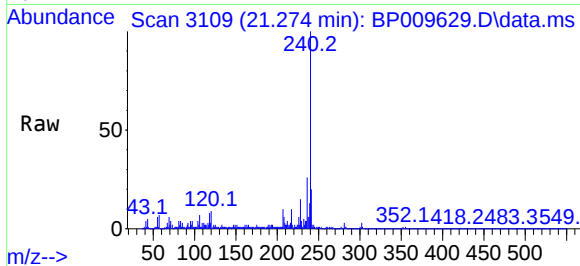
Tgt Ion:202 Resp: 2063128
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 31.5
 203 17.7 0.0 37.8





#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.274 min Scan# 3116
Delta R.T. 0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

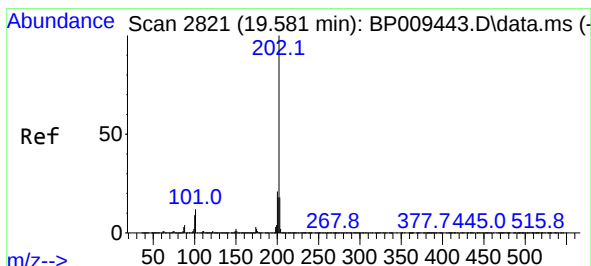
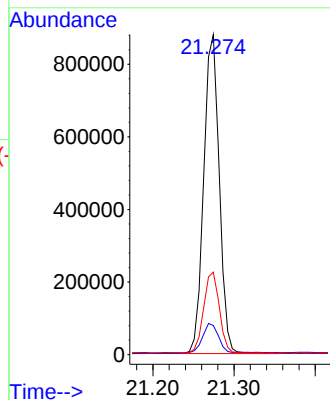
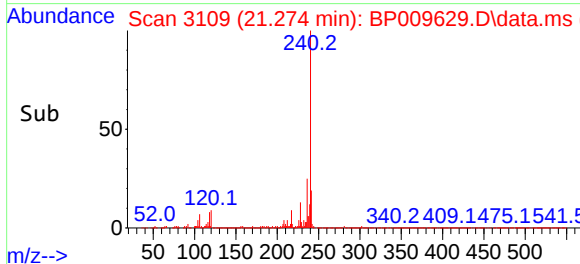
Instrument :
BNA_P
ClientSampleId :
22L076-D



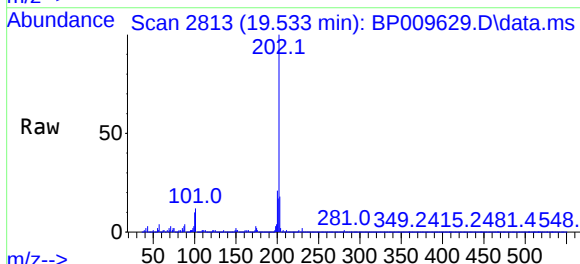
Tgt Ion:240 Resp: 1166429
Ion Ratio Lower Upper
240 100
120 9.1 9.0 13.4
236 25.8 20.6 30.8

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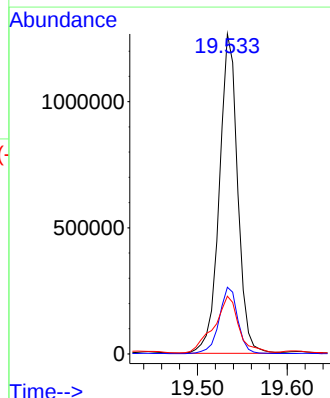
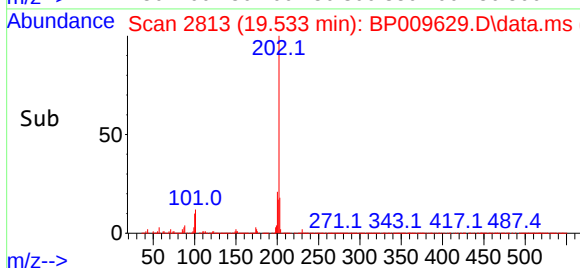
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

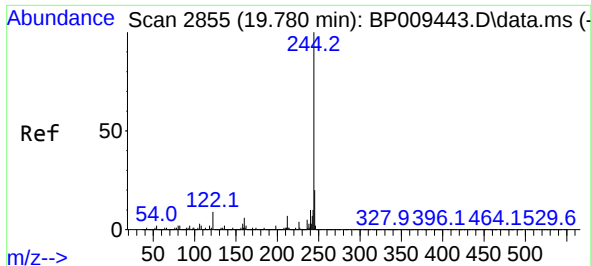


#78
Pyrene
Concen: 23.37 ng
RT: 19.533 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02



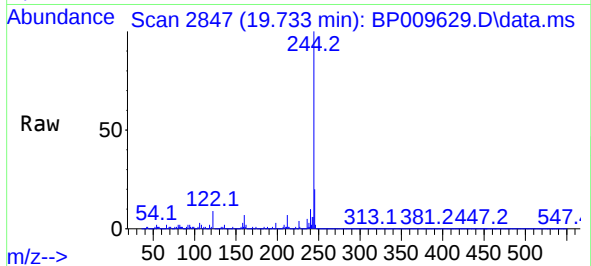
Tgt Ion:202 Resp: 1796488
Ion Ratio Lower Upper
202 100
200 20.8 16.8 25.2
203 18.0 14.2 21.4





#79
 Terphenyl-d14
 Concen: 71.74 ng
 RT: 19.733 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009629.D
 Acq: 30 Mar 2022 21:02

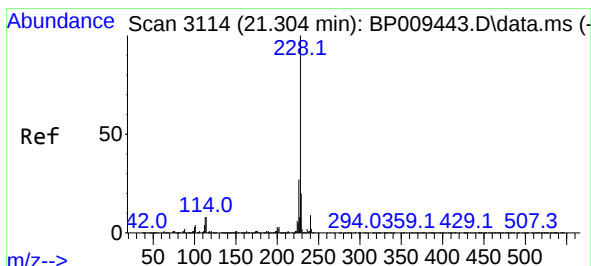
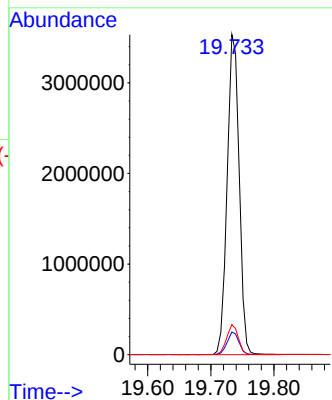
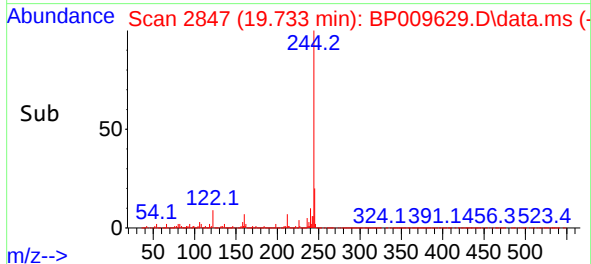
Instrument :
 BNA_P
 ClientSampleId :
 22L076-D



Tgt Ion:244 Resp: 4662320
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 9.4 8.3 12.5

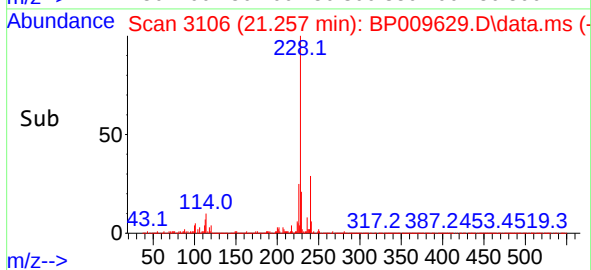
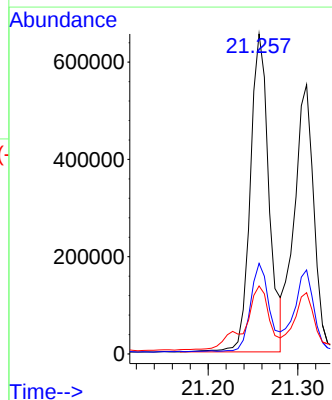
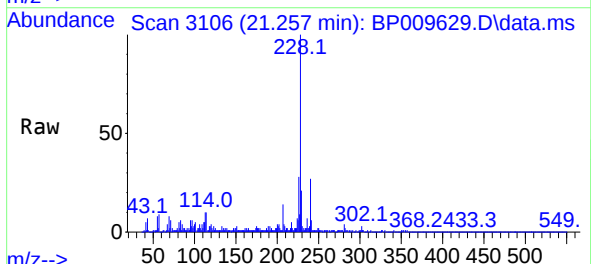
Manual Integrations
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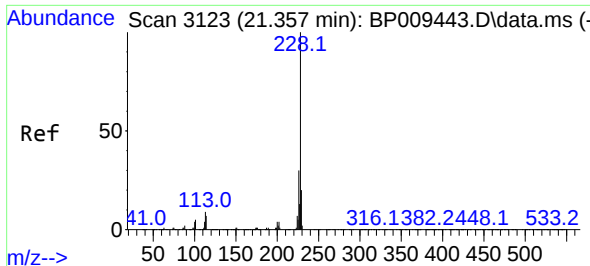
Reviewed By :Christian Giraldo 03/31/2022
 Supervised By :Jagrut Upadhyay 03/31/2022



#81
 Benzo(a)anthracene
 Concen: 12.32 ng
 RT: 21.257 min Scan# 3106
 Delta R.T. -0.006 min
 Lab File: BP009629.D
 Acq: 30 Mar 2022 21:02

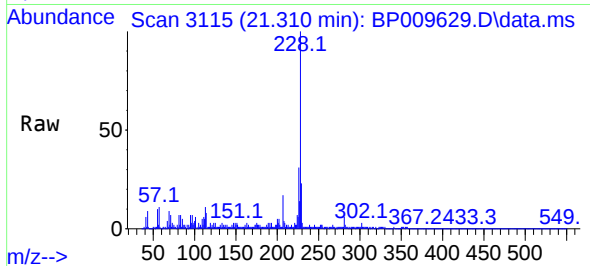
Tgt Ion:228 Resp: 944251
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.0 33.0
 229 21.3 16.1 24.1





#83
Chrysene
Concen: 11.40 ng
RT: 21.310 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

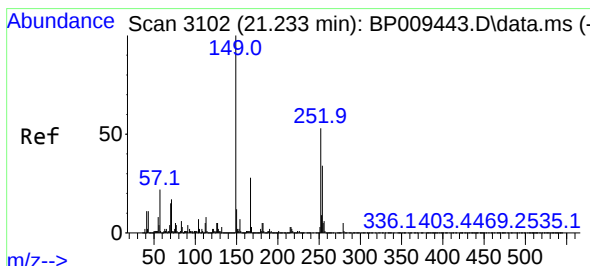
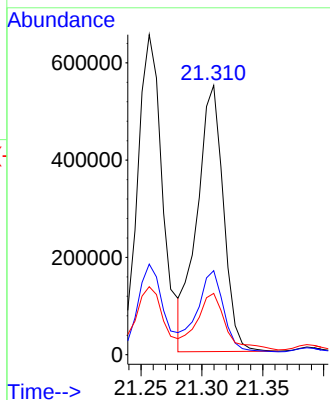
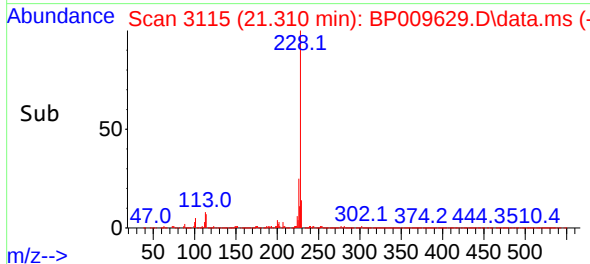
Instrument :
BNA_P
ClientSampleId :
22L076-D



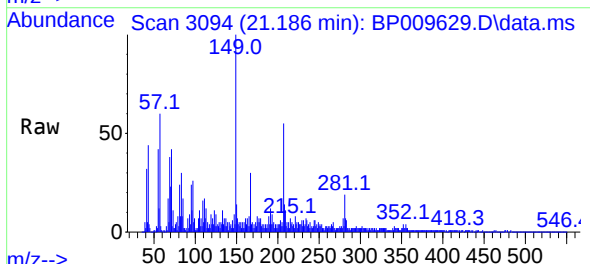
Tgt Ion:228 Resp: 827410
Ion Ratio Lower Upper
228 100
226 31.2 24.2 36.2
229 22.8 16.1 24.1

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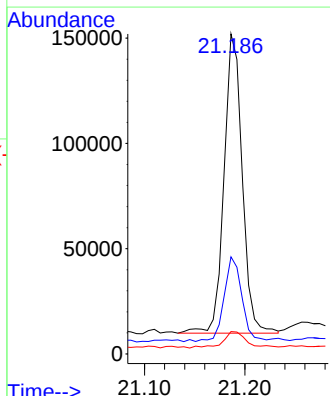
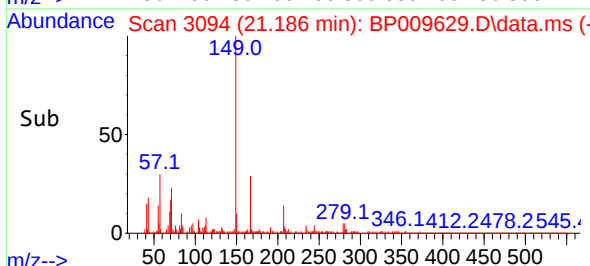
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

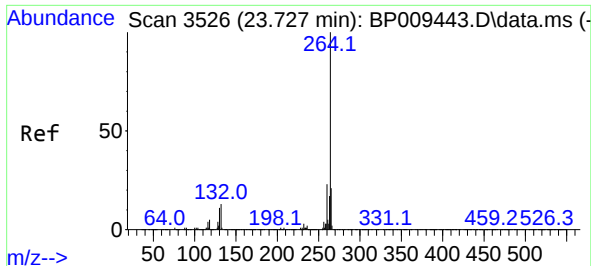


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.93 ng
RT: 21.186 min Scan# 3094
Delta R.T. -0.006 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02



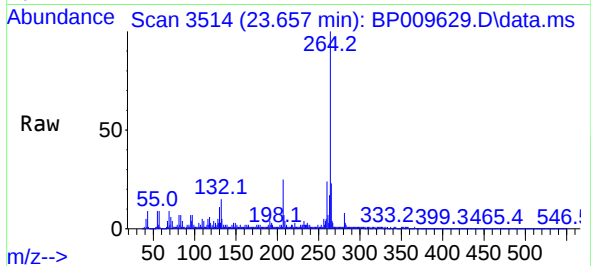
Tgt Ion:149 Resp: 179026
Ion Ratio Lower Upper
149 100
167 30.3 22.6 33.8
279 7.0 3.8 5.6





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.657 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

Instrument :
BNA_P
ClientSampleId :
22L076-D

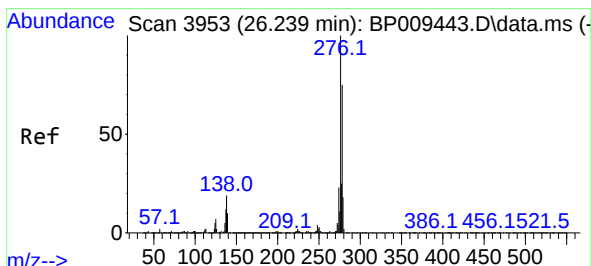
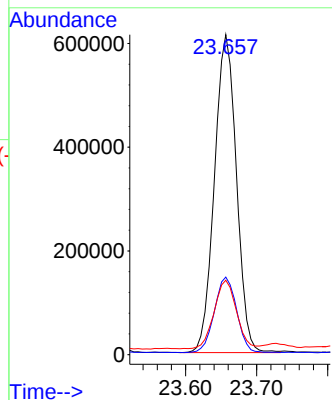
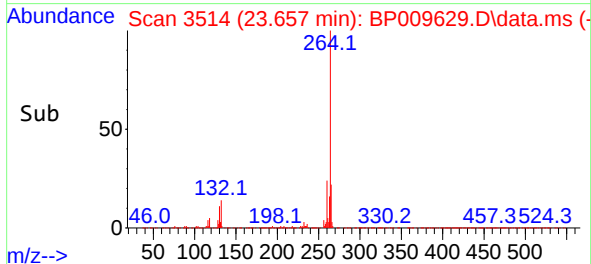


Tgt Ion:264 Resp: 1317684

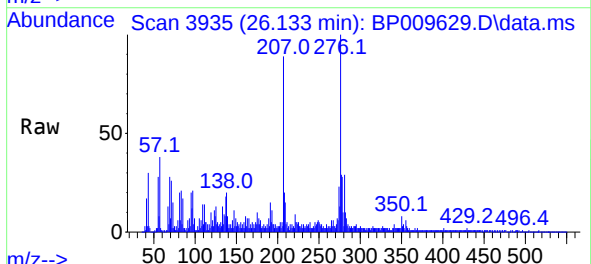
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	23.3	17.2	25.8

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Supervised By :Jagrut Upadhyay 03/31/2022

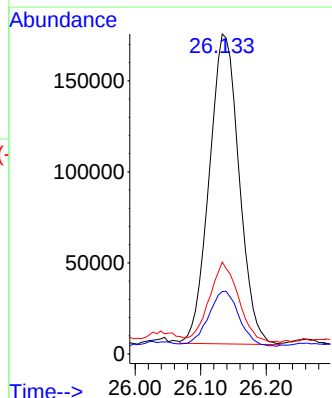
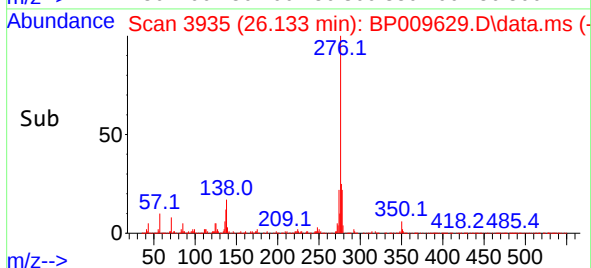


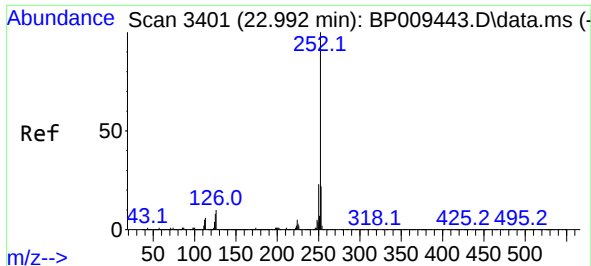
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.38 ng
RT: 26.133 min Scan# 3935
Delta R.T. -0.006 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02



Tgt Ion:276 Resp: 537861

Ion	Ratio	Lower	Upper
276	100		
138	18.4	20.5	30.7#
277	25.5	20.4	30.6





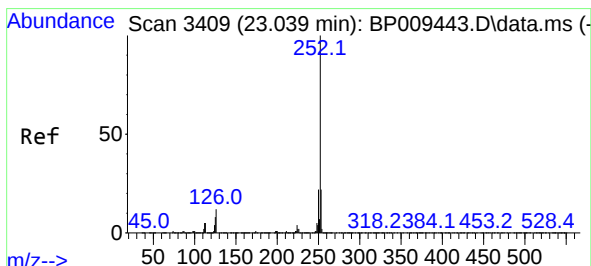
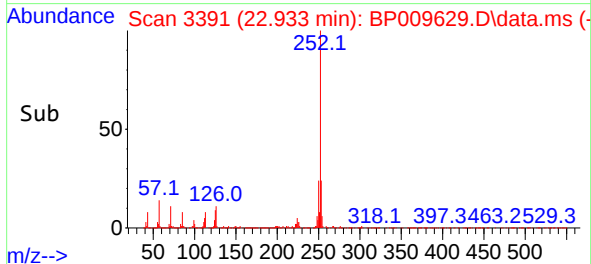
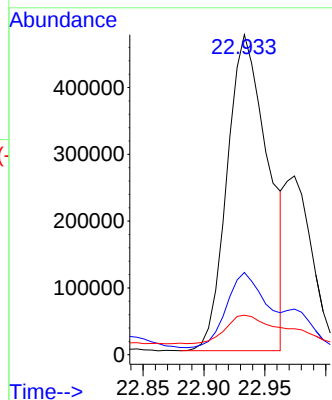
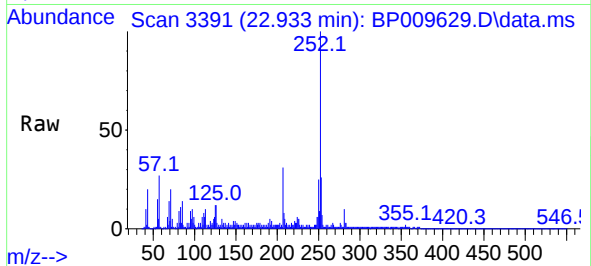
#88
Benzo(b)fluoranthene
Concen: 14.05 ng
RT: 22.933 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

Instrument :
BNA_P
ClientSampleId :
22L076-D

Tgt Ion:252 Resp: 110556
Ion Ratio Lower Upper
252 100
253 25.7 17.8 26.8
125 12.4 8.1 12.1

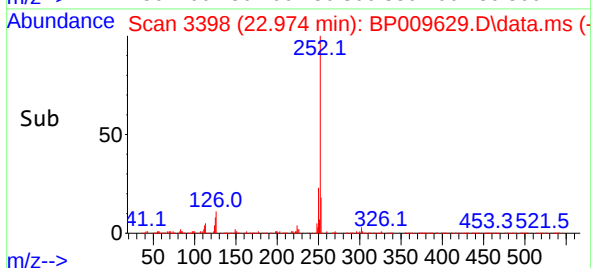
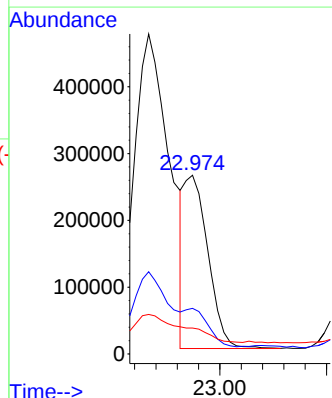
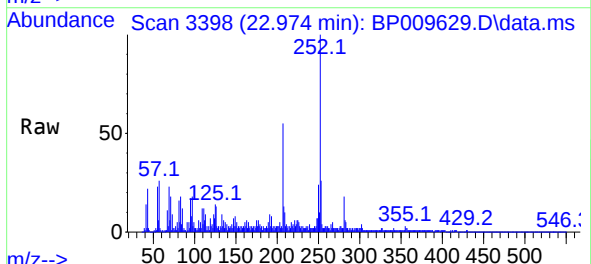
Manual Integrations
APPROVED

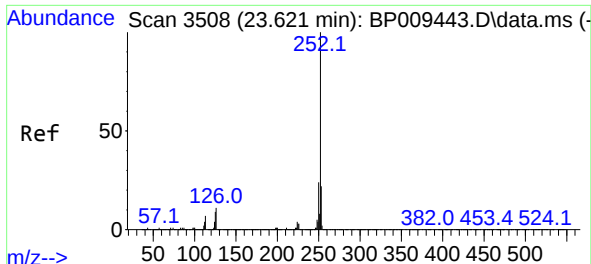
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#89
Benzo(k)fluoranthene
Concen: 5.20 ng m
RT: 22.974 min Scan# 3398
Delta R.T. -0.006 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

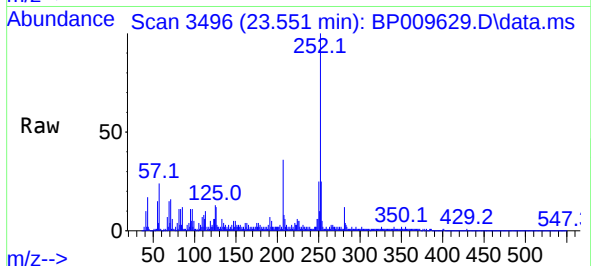
Tgt Ion:252 Resp: 400154
Ion Ratio Lower Upper
252 100
253 25.6 17.5 26.3
125 14.5 8.3 12.5





#90
Benzo(a)pyrene
Concen: 11.93 ng
RT: 23.551 min Scan# 34
Delta R.T. 0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

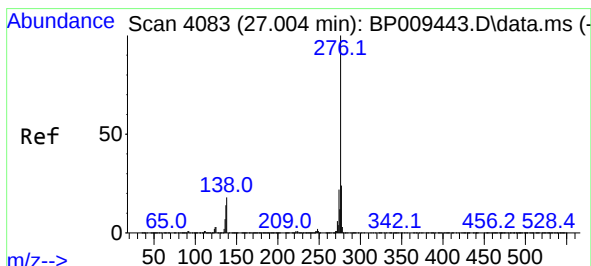
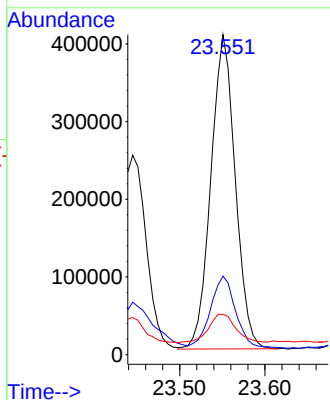
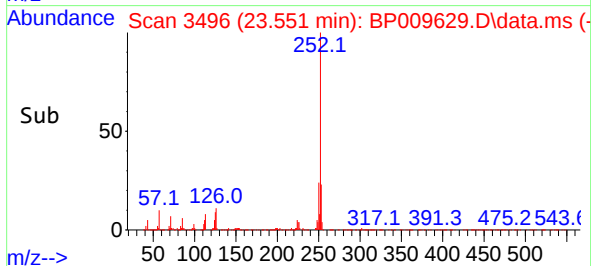
Instrument :
BNA_P
ClientSampleId :
22L076-D



Tgt Ion:252 Resp: 80322
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.6
125 12.6 9.3 13.9

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 6.61 ng
RT: 26.898 min Scan# 4065
Delta R.T. 0.000 min
Lab File: BP009629.D
Acq: 30 Mar 2022 21:02

Tgt Ion:276 Resp: 541907
Ion Ratio Lower Upper
276 100
277 26.5 19.2 28.8
138 19.4 18.0 27.0

