

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033022\
 Data File : BP009624.D
 Acq On : 30 Mar 2022 18:13
 Operator : CG/JU
 Sample : N2155-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 22L076-E

Manual Integrations
 APPROVED

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

Quant Time: Mar 31 04:40:52 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	281929	20.00	ng	0.00
21) Naphthalene-d8	10.528	136	1125910	20.00	ng	0.00
39) Acenaphthene-d10	14.387	164	675712	20.00	ng	0.00
64) Phenanthrene-d10	17.151	188	1268084	20.00	ng	0.00
76) Chrysene-d12	21.269	240	1015863	20.00	ng	# 0.00
86) Perylene-d12	23.651	264	1139670	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	118538	7.34	ng	0.00
7) Phenol-d6	6.928	99	1572554	72.01	ng	0.00
23) Nitrobenzene-d5	8.893	82	1337104	63.11	ng	0.00
42) 2,4,6-Tribromophenol	15.893	330	16270	1.46	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	3100364	63.61	ng	0.00
79) Terphenyl-d14	19.733	244	3523916	62.26	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.581	128	237316	4.09	ng	99
37) 2-Methylnaphthalene	12.199	142	129506	3.18	ng	98
38) 1-Methylnaphthalene	12.416	142	85668	2.16	ng	99
52) Acenaphthene	14.451	154	157674	4.31	ng	98
55) Dibenzofuran	14.787	168	168218	2.74	ng	96
58) Fluorene	15.440	166	185059	3.83	ng	97
71) Phenanthrene	17.192	178	1853443	27.30	ng	99
72) Anthracene	17.287	178	461388	6.88	ng	99
73) Carbazole	17.563	167	153304	2.34	ng	97
75) Fluoranthene	19.181	202	1789743	21.78	ng	97
78) Pyrene	19.533	202	1573733	23.51	ng	99
81) Benzo(a)anthracene	21.257	228	854861	12.81	ng	99
83) Chrysene	21.304	228	765666m	12.12	ng	
84) Bis(2-ethylhexyl)phtha...	21.186	149	165583	4.18	ng	# 98
87) Indeno(1,2,3-cd)pyrene	26.121	276	503195	5.82	ng	# 91
88) Benzo(b)fluoranthene	22.927	252	992071	14.58	ng	97
89) Benzo(k)fluoranthene	22.969	252	385236m	5.78	ng	
90) Benzo(a)pyrene	23.545	252	746150	12.82	ng	97
92) Benzo(g,h,i)perylene	26.880	276	499277	7.04	ng	# 93

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

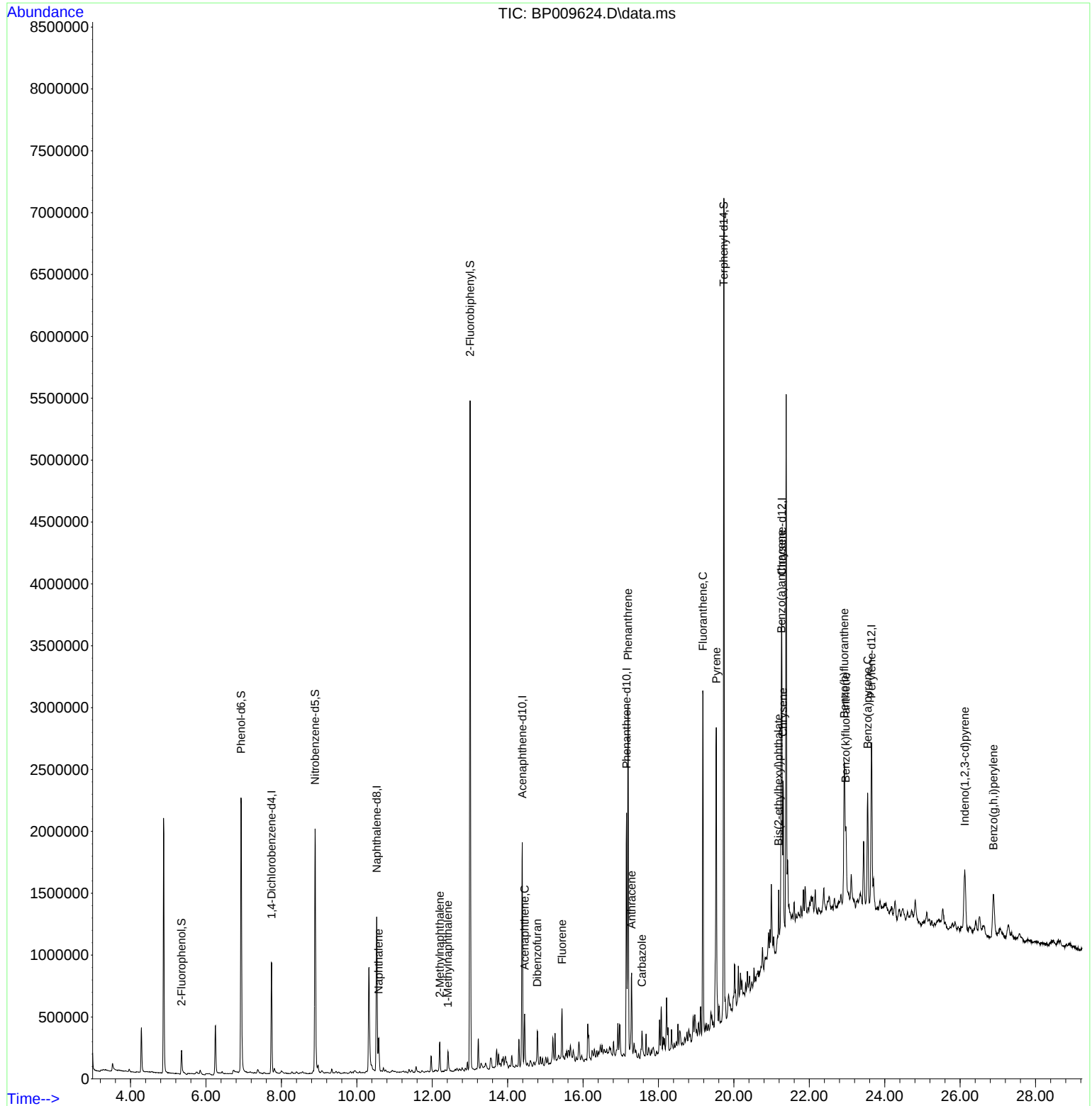
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033022\
Data File : BP009624.D
Acq On : 30 Mar 2022 18:13
Operator : CG/JU
Sample : N2155-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

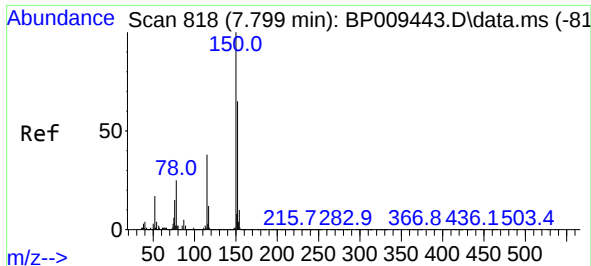
Instrument :
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Quant Time: Mar 31 04:40:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 31 04:36:51 2022
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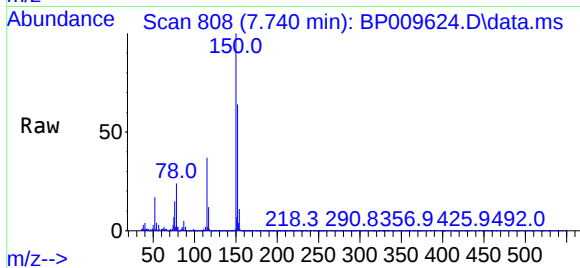
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.740 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

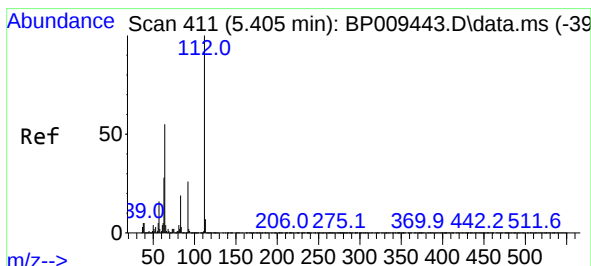
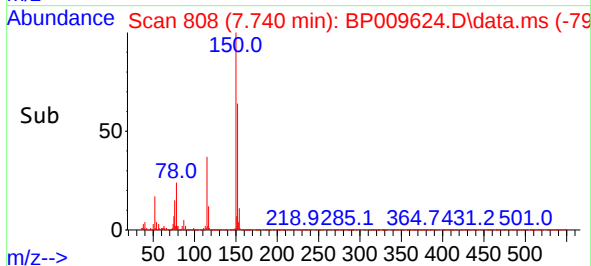
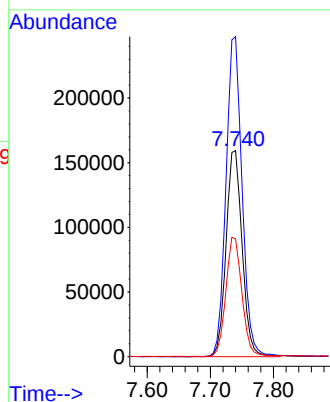
Instrument :
BNA_P
ClientSampleId :
22L076-E



Tgt Ion:152 Resp: 281929
Ion Ratio Lower Upper
152 100
150 155.3 124.5 186.7
115 57.0 48.2 72.4

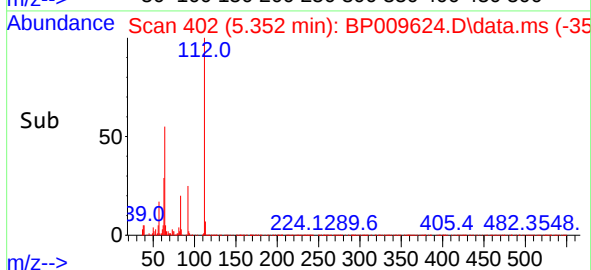
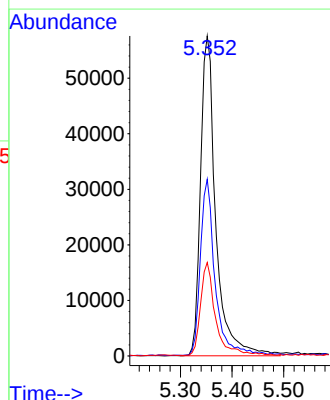
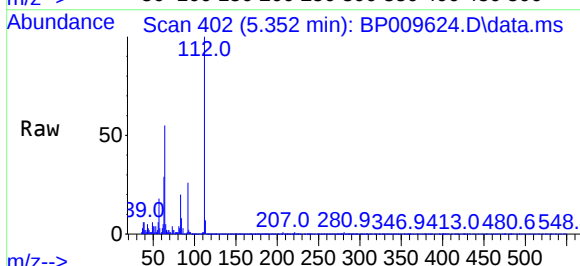
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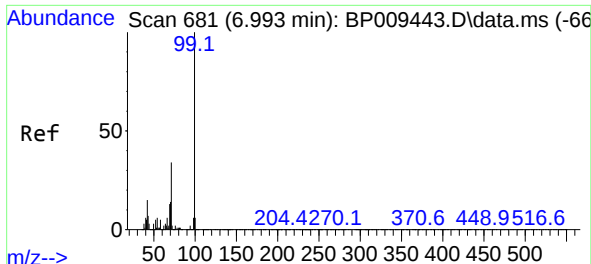
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#5
2-Fluorophenol
Concen: 7.34 ng
RT: 5.352 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Tgt Ion:112 Resp: 118538
Ion Ratio Lower Upper
112 100
64 55.2 45.0 67.4
63 29.2 23.0 34.6





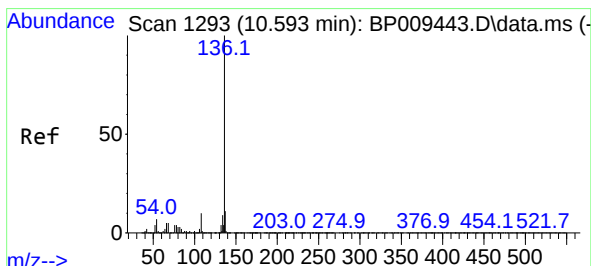
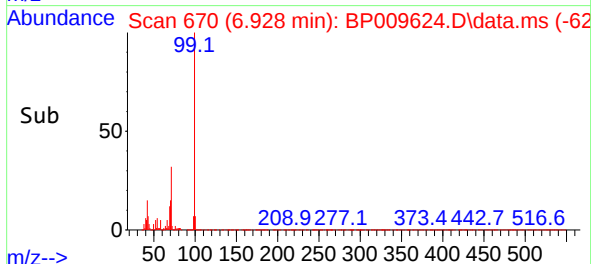
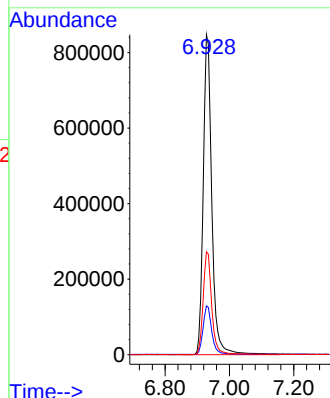
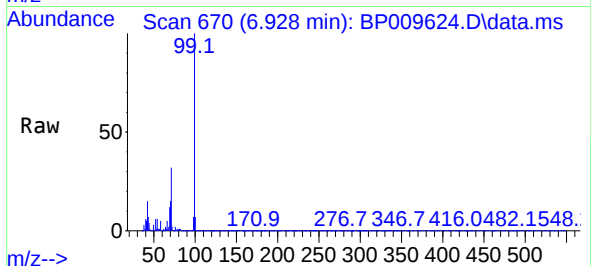
#7
Phenol-d6
Concen: 72.01 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 99 Resp: 1572554
Ion Ratio Lower Upper
99 100
42 15.3 12.8 19.2
71 32.2 26.3 39.5

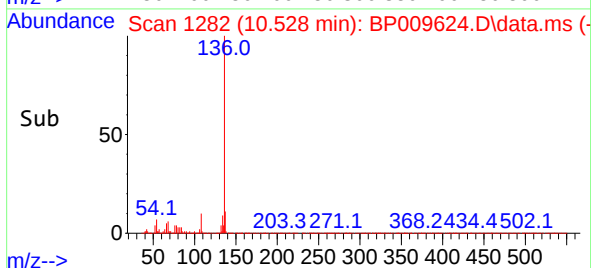
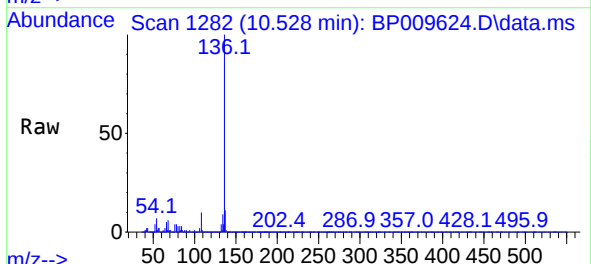
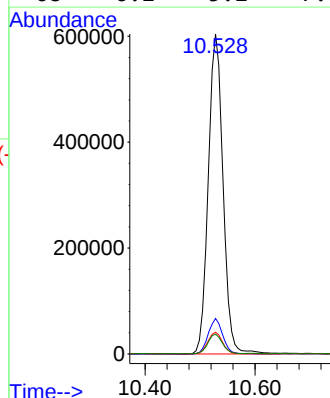
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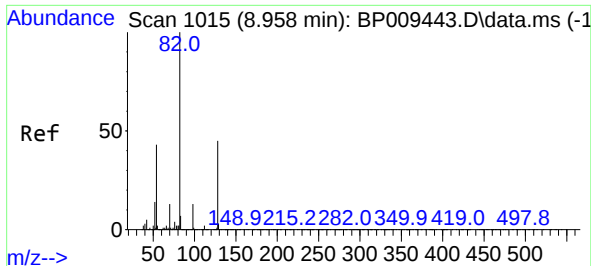
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Tgt Ion:136 Resp: 1125910
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 6.8 5.8 8.8
68 6.2 5.2 7.8





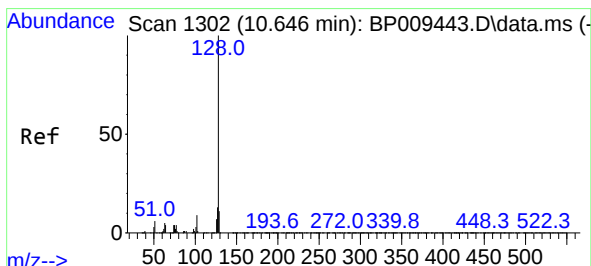
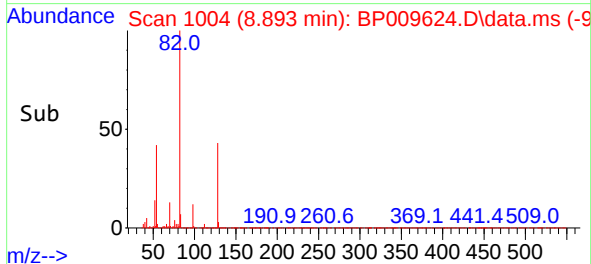
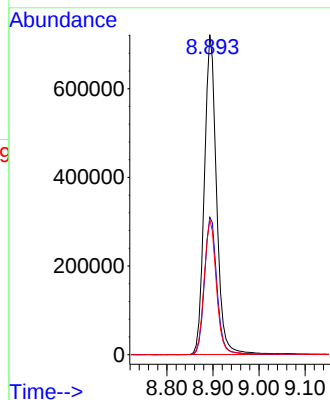
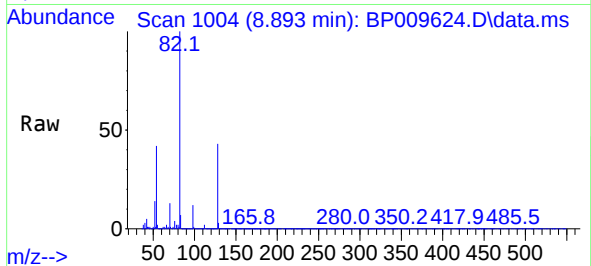
#23
Nitrobenzene-d5
Concen: 63.11 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Instrument :
BNA_P
ClientSampleId :
22L076-E

Tgt Ion: 82 Resp: 1337104
Ion Ratio Lower Upper
82 100
128 43.0 34.2 51.4
54 42.3 34.7 52.1

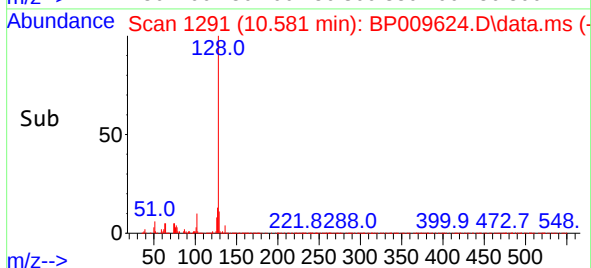
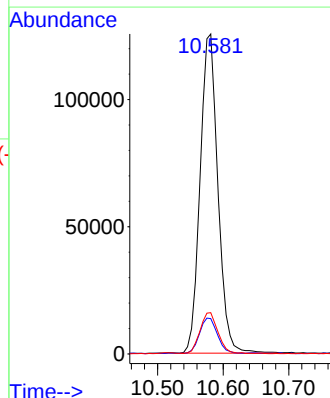
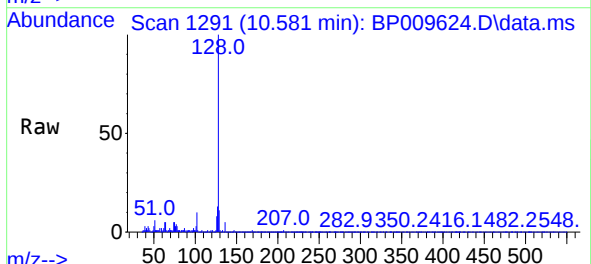
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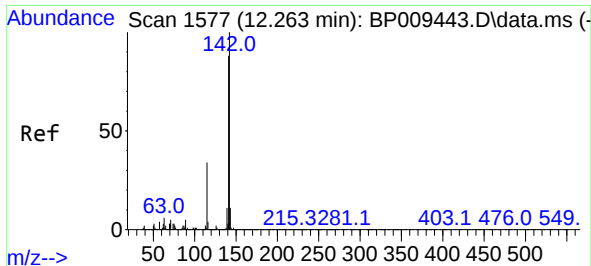
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#31
Naphthalene
Concen: 4.09 ng
RT: 10.581 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

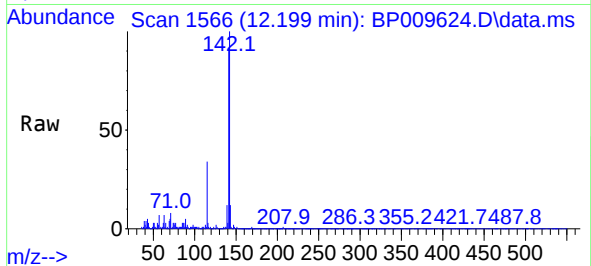
Tgt Ion:128 Resp: 237316
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.9 10.5 15.7





#37
2-Methylnaphthalene
Concen: 3.18 ng
RT: 12.199 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

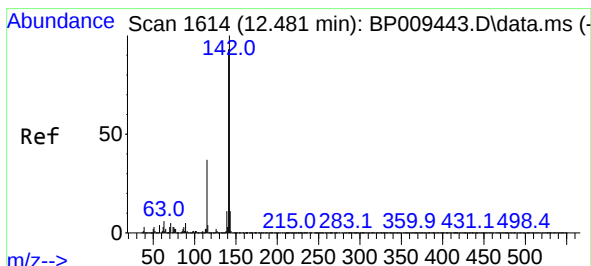
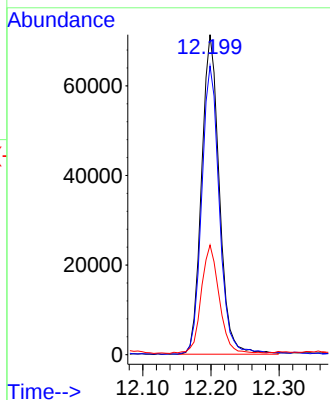
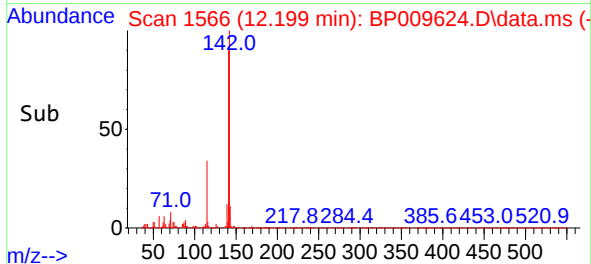
Instrument :
BNA_P
ClientSampleId :
22L076-E



Tgt Ion:142 Resp: 129500
Ion Ratio Lower Upper
142 100
141 90.2 70.2 105.4
115 34.2 27.4 41.2

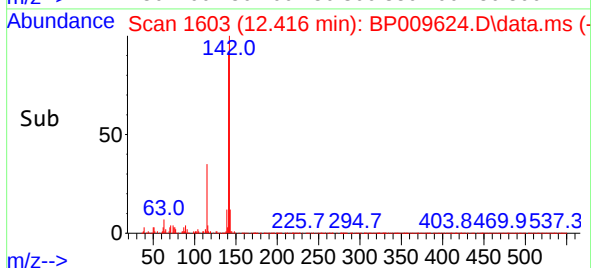
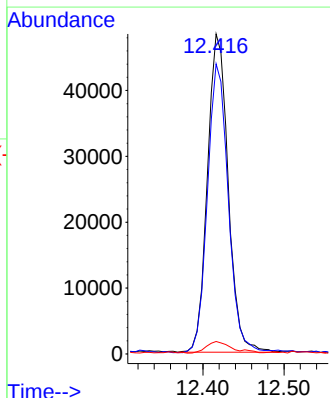
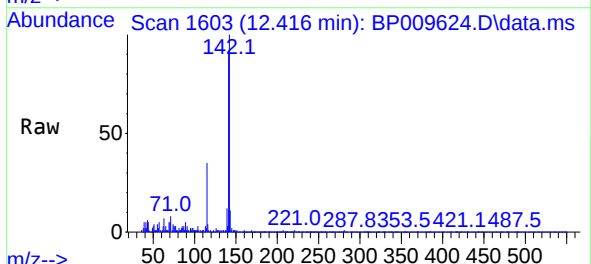
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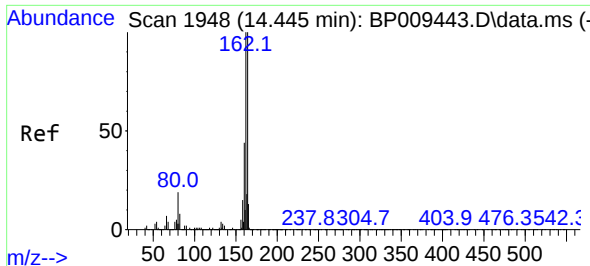
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#38
1-Methylnaphthalene
Concen: 2.16 ng
RT: 12.416 min Scan# 1603
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

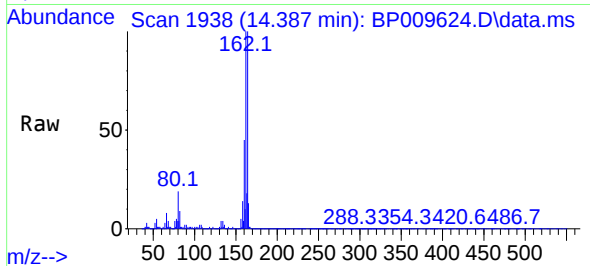
Tgt Ion:142 Resp: 85668
Ion Ratio Lower Upper
142 100
141 90.6 73.5 110.3
116 3.9 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

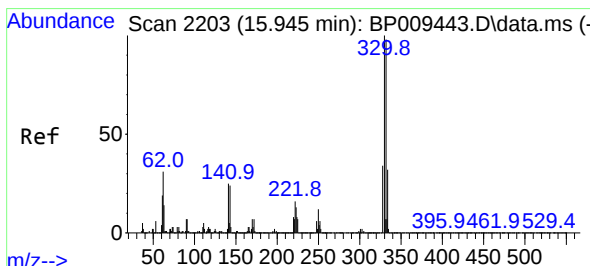
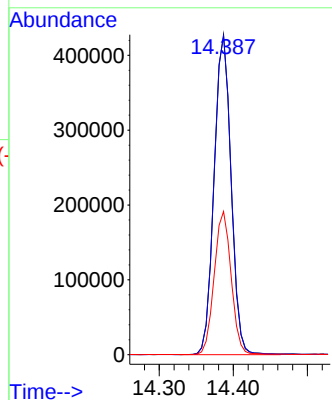
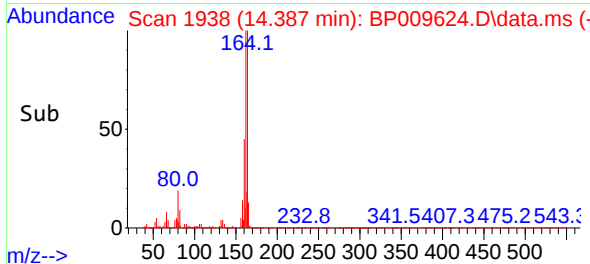
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22L076-E



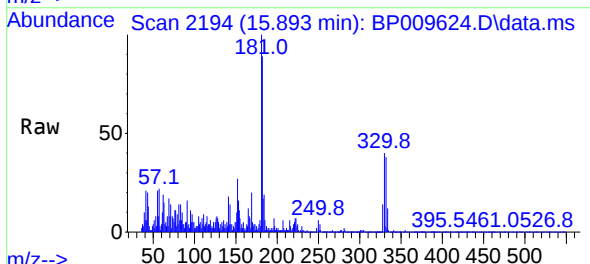
Tgt Ion:164 Resp: 67571
Ion Ratio Lower Upper
164 100
162 99.6 79.1 118.7
160 44.8 34.9 52.3

Manual Integrations
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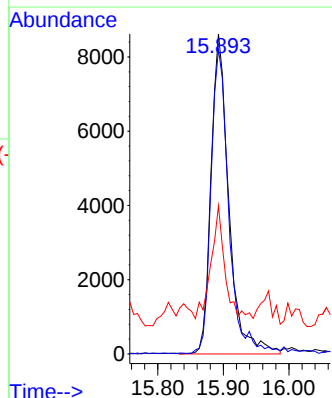
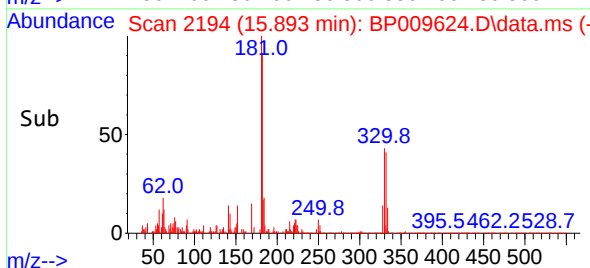
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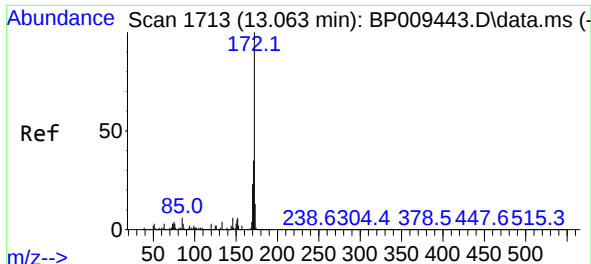


#42
2,4,6-Tribromophenol
Concen: 1.46 ng
RT: 15.893 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13



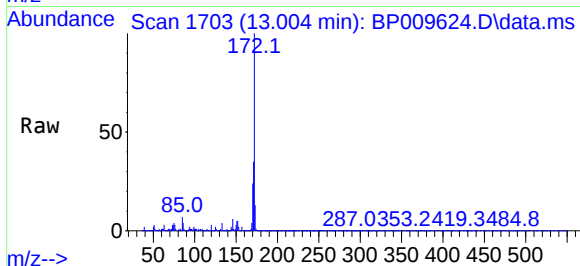
Tgt Ion:330 Resp: 16270
Ion Ratio Lower Upper
330 100
332 94.4 77.0 115.6
141 28.4 27.6 41.4





#45
2-Fluorobiphenyl
Concen: 63.61 ng
RT: 13.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

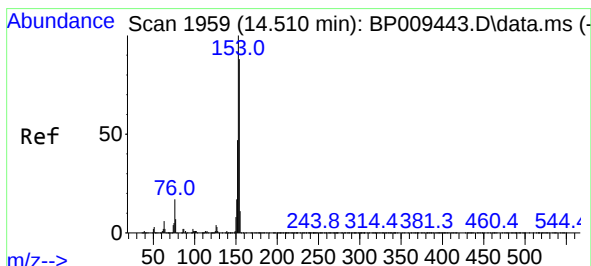
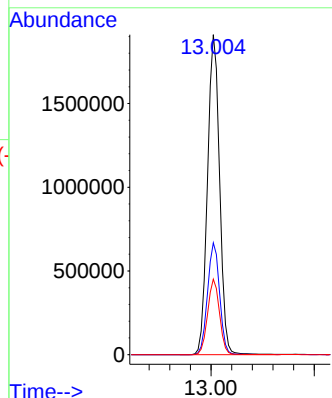
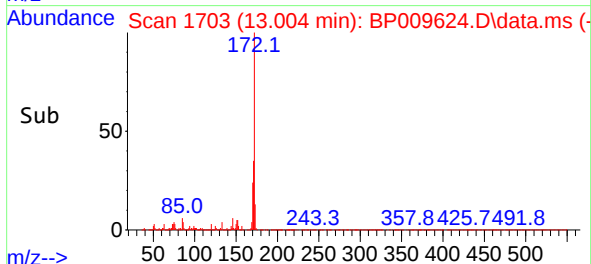
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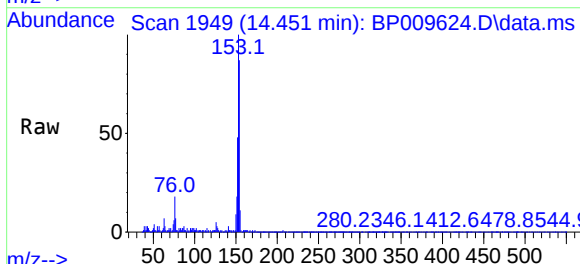
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Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 23.6 18.6 27.8

Manual Integrations
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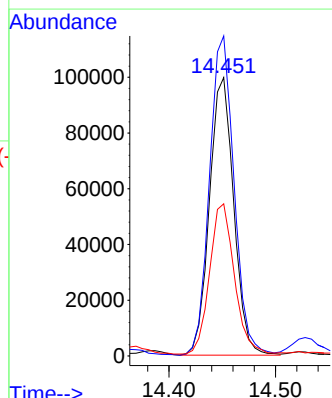
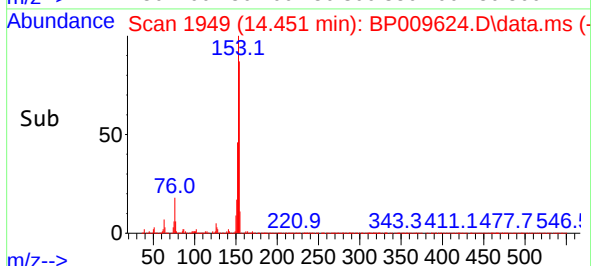
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Supervised By :Jagrut Upadhyay 03/31/2022

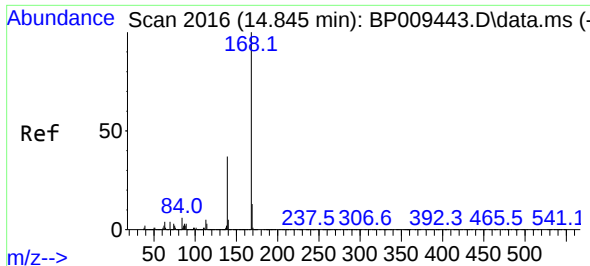


#52
Acenaphthene
Concen: 4.31 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13



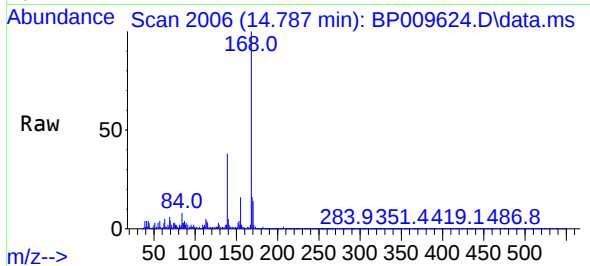
Tgt Ion:154 Resp: 157674
Ion Ratio Lower Upper
154 100
153 115.0 90.2 135.4
152 54.7 42.7 64.1





#55
Dibenzofuran
Concen: 2.74 ng
RT: 14.787 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

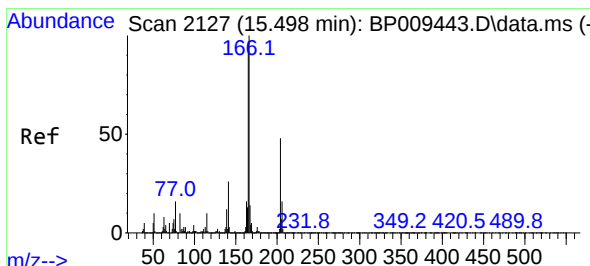
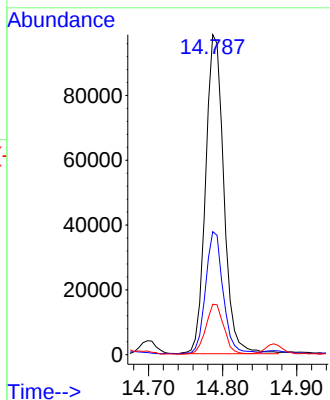
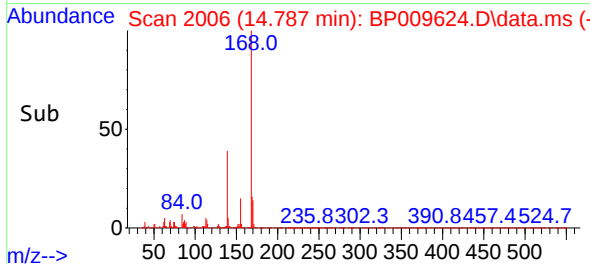
Instrument :
BNA_P
ClientSampleId :
22L076-E



Tgt Ion:168 Resp: 168218
Ion Ratio Lower Upper
168 100
139 38.5 29.1 43.7
169 15.8 10.6 16.0

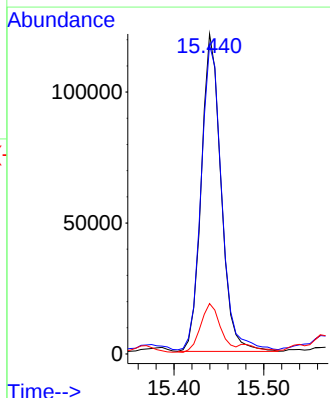
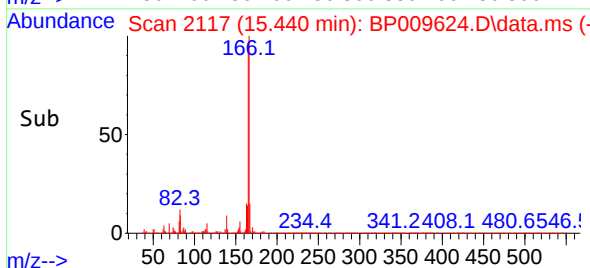
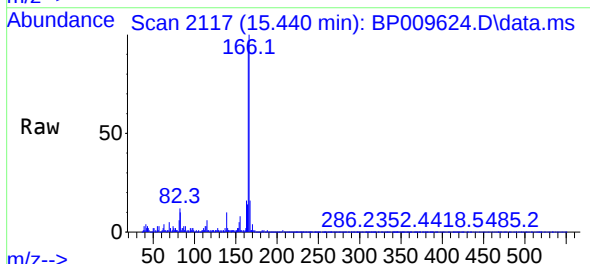
Manual Integrations
APPROVED

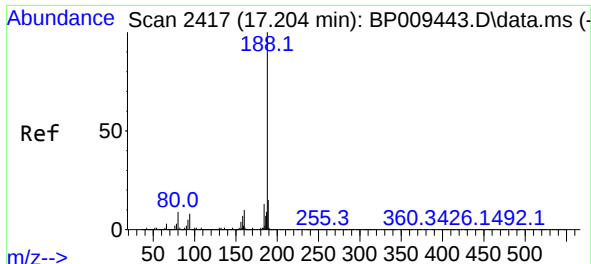
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#58
Fluorene
Concen: 3.83 ng
RT: 15.440 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Tgt Ion:166 Resp: 185059
Ion Ratio Lower Upper
166 100
165 96.6 79.2 118.8
167 15.7 10.7 16.1





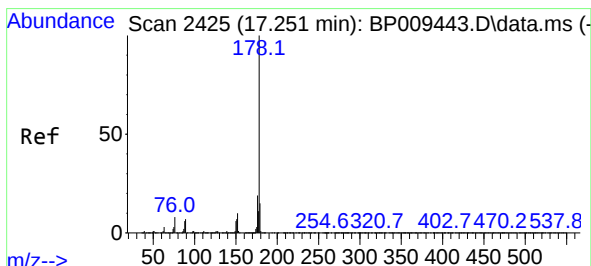
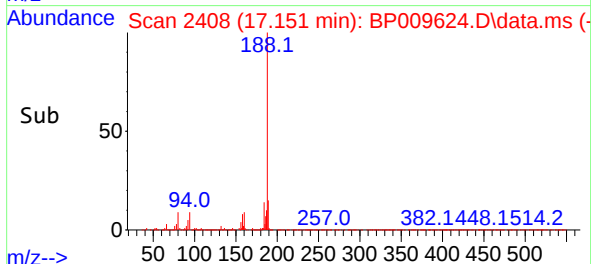
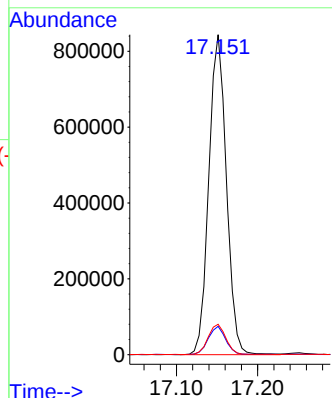
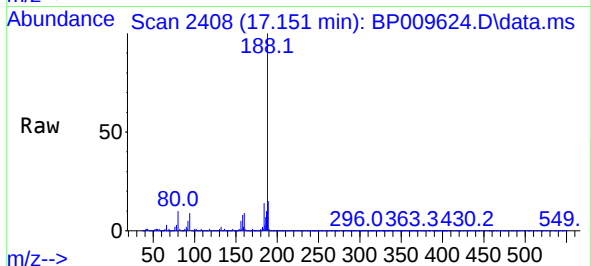
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.151 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Instrument :
BNA_P
ClientSampleId :
22L076-E

Tgt Ion:188 Resp: 1268084
Ion Ratio Lower Upper
188 100
94 8.8 7.9 11.9
80 9.5 8.8 13.2

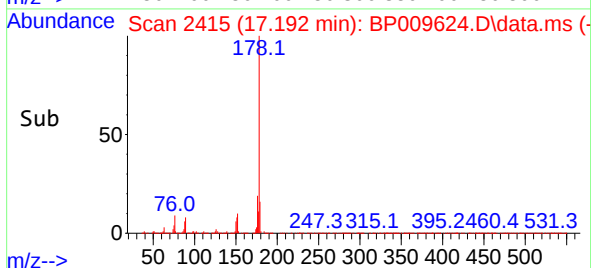
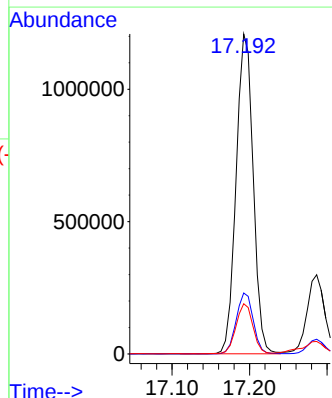
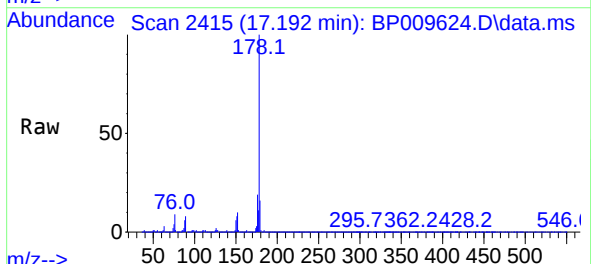
Manual Integrations
APPROVED

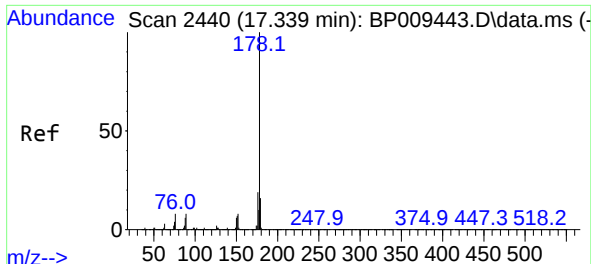
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#71
Phenanthrene
Concen: 27.30 ng
RT: 17.192 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

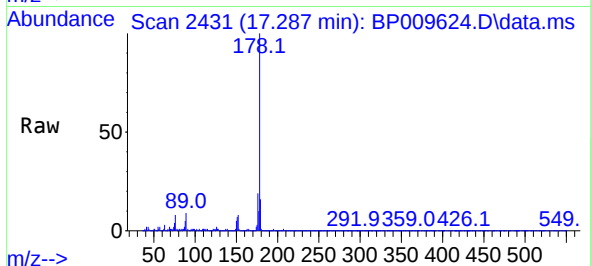
Tgt Ion:178 Resp: 1853443
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.7 12.3 18.5





#72
 Anthracene
 Concen: 6.88 ng
 RT: 17.287 min Scan# 2440
 Delta R.T. -0.006 min
 Lab File: BP009624.D
 Acq: 30 Mar 2022 18:13

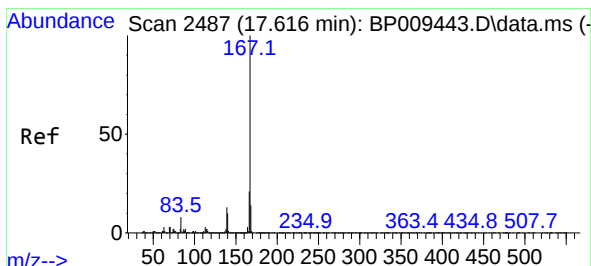
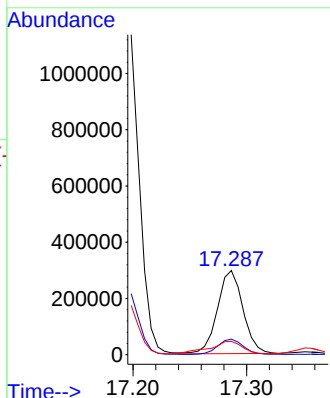
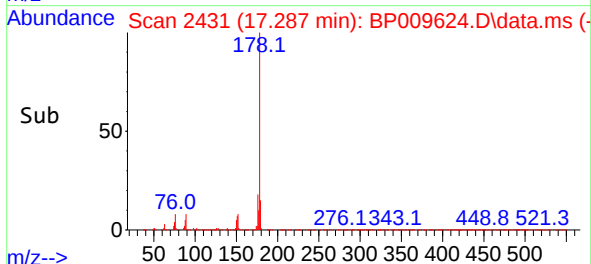
Instrument :
 BNA_P
 ClientSampleId :
 22L076-E



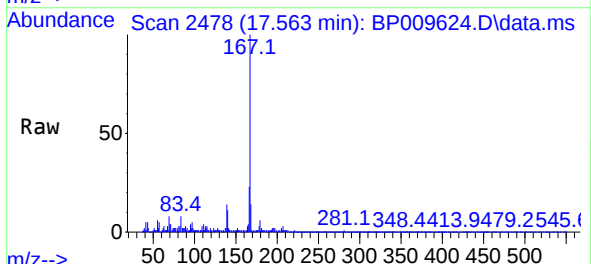
Tgt Ion:178 Resp: 461388
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.8 22.2
 179 15.7 12.2 18.4

Manual Integrations
 APPROVED

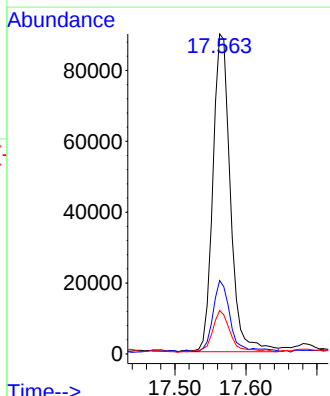
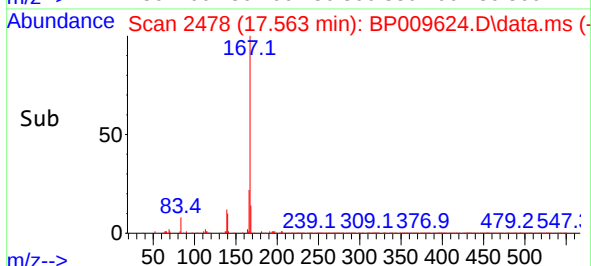
Reviewed By :Christian Giraldo 03/31/2022
 Supervised By :Jagrut Upadhyay 03/31/2022

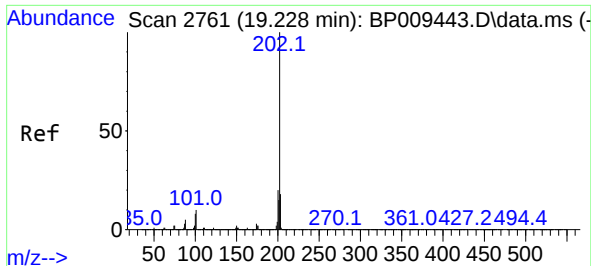


#73
 Carbazole
 Concen: 2.34 ng
 RT: 17.563 min Scan# 2478
 Delta R.T. -0.006 min
 Lab File: BP009624.D
 Acq: 30 Mar 2022 18:13



Tgt Ion:167 Resp: 153304
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.2 25.8
 139 13.6 10.3 15.5





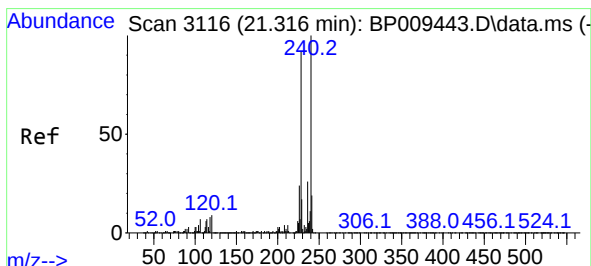
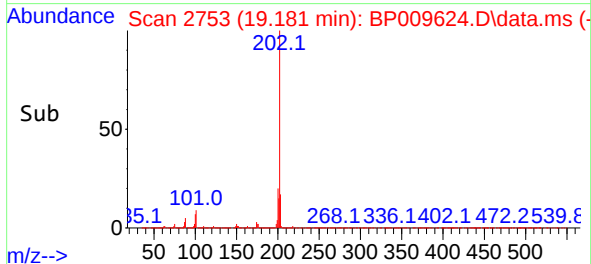
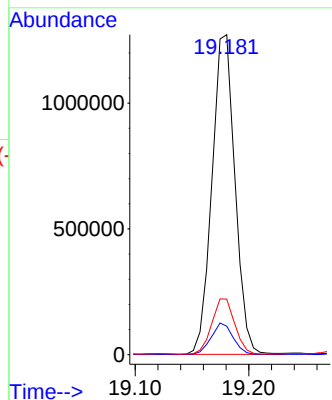
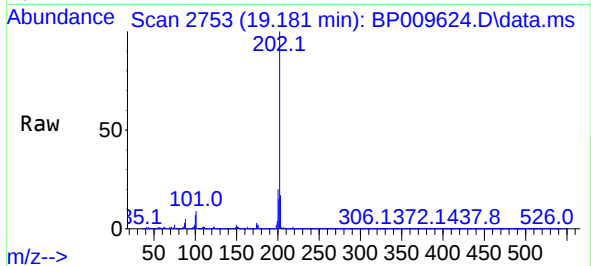
#75
Fluoranthene
Concen: 21.78 ng
RT: 19.181 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Instrument :
BNA_P
ClientSampleId :
22L076-E

Tgt Ion:202 Resp: 178974
Ion Ratio Lower Upper
202 100
101 8.9 0.0 31.5
203 17.4 0.0 37.8

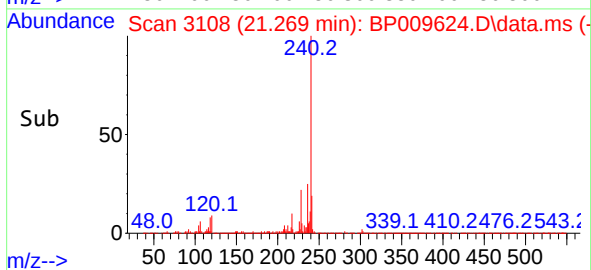
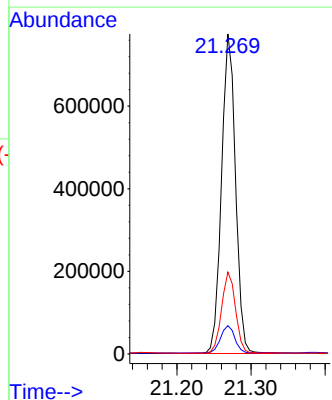
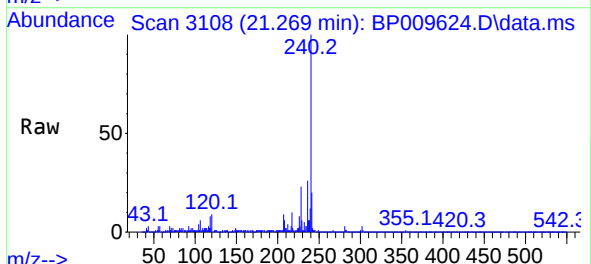
Manual Integrations
APPROVED

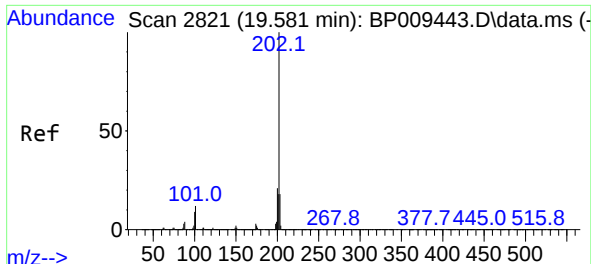
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.269 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Tgt Ion:240 Resp: 1015863
Ion Ratio Lower Upper
240 100
120 8.8 9.0 13.4#
236 25.6 20.6 30.8





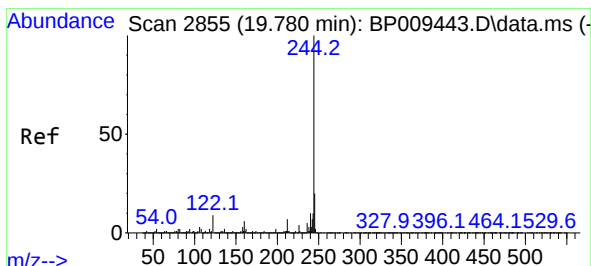
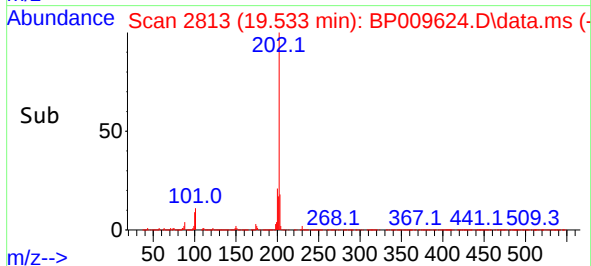
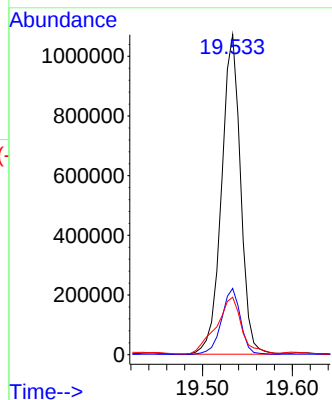
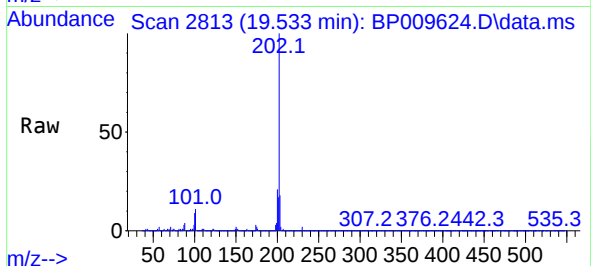
#78
Pyrene
Concen: 23.51 ng
RT: 19.533 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Instrument :
BNA_P
ClientSampleId :
22L076-E

Tgt Ion:202 Resp: 157373
Ion Ratio Lower Upper
202 100
200 20.7 16.8 25.2
203 18.0 14.2 21.4

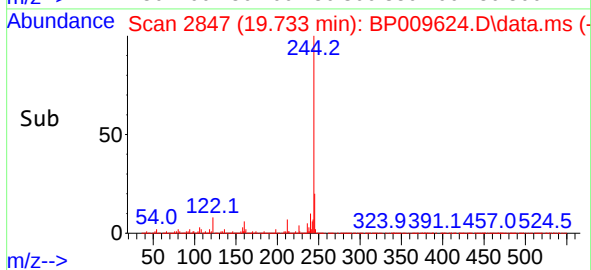
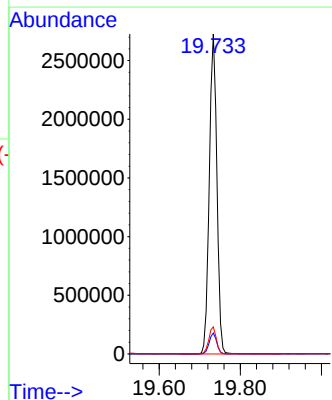
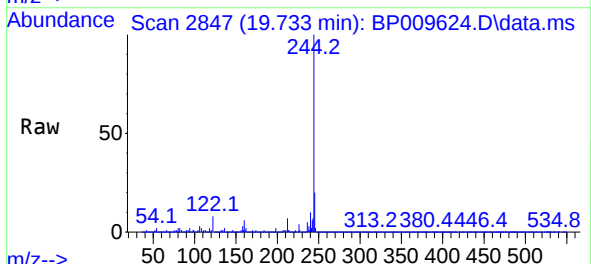
Manual Integrations
APPROVED

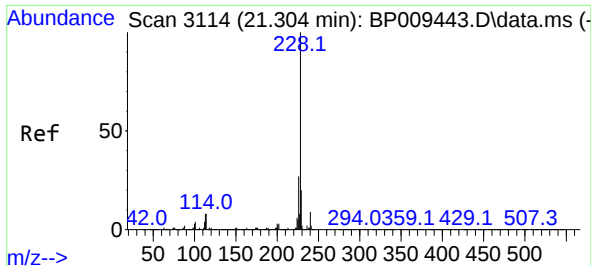
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#79
Terphenyl-d14
Concen: 62.26 ng
RT: 19.733 min Scan# 2847
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

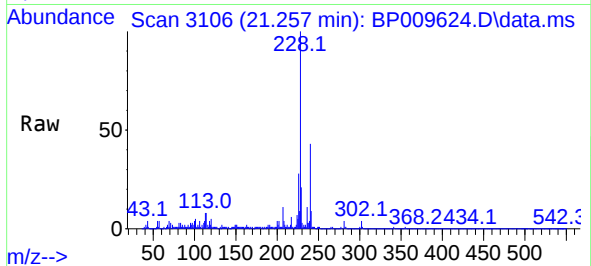
Tgt Ion:244 Resp: 3523916
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 8.4 8.3 12.5





#81
Benzo(a)anthracene
Concen: 12.81 ng
RT: 21.257 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

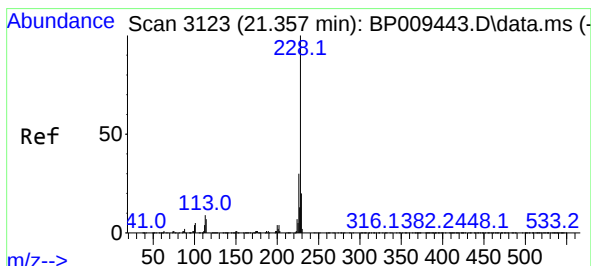
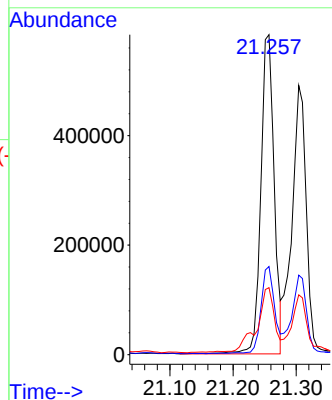
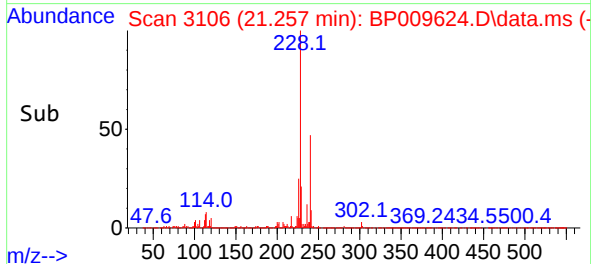
Instrument :
BNA_P
ClientSampleId :
22L076-E



Tgt Ion:228 Resp: 85486
Ion Ratio Lower Upper
228 100
226 27.5 22.0 33.0
229 20.9 16.1 24.1

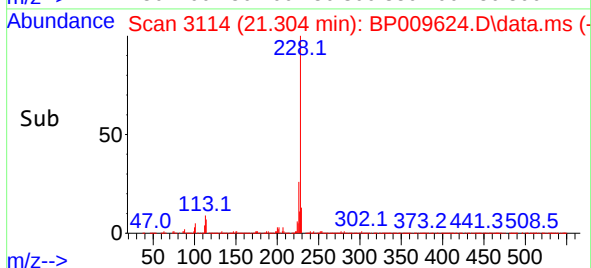
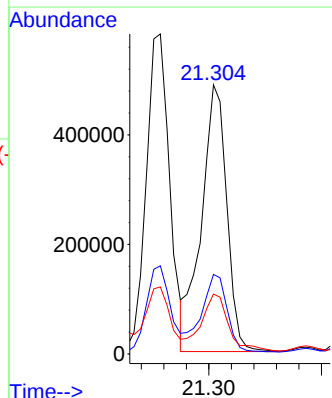
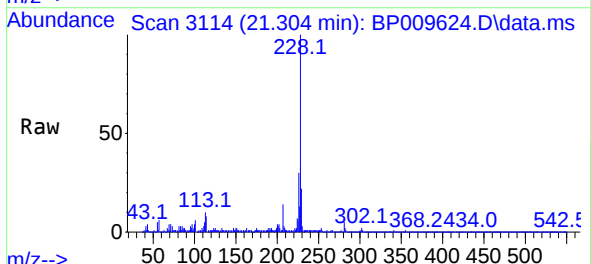
Manual Integrations
APPROVED

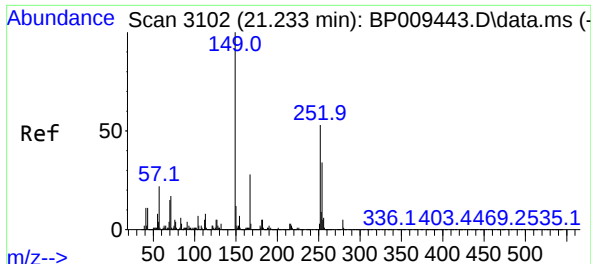
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#83
Chrysene
Concen: 12.12 ng m
RT: 21.304 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

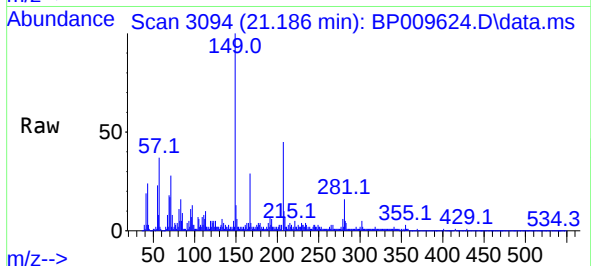
Tgt Ion:228 Resp: 765666
Ion Ratio Lower Upper
228 100
226 29.5 24.2 36.2
229 22.2 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.18 ng
RT: 21.186 min Scan# 3094
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

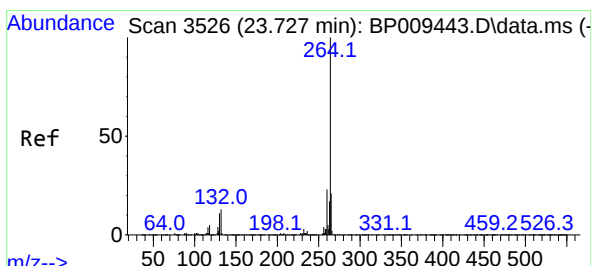
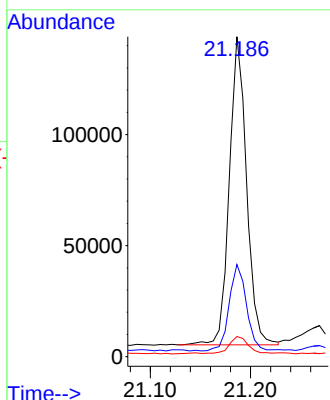
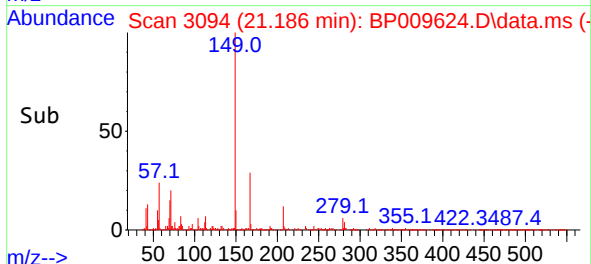
Instrument :
BNA_P
ClientSampleId :
22L076-E



Tgt Ion:149 Resp: 16558
Ion Ratio Lower Upper
149 100
167 28.8 22.6 33.8
279 6.3 3.8 5.6

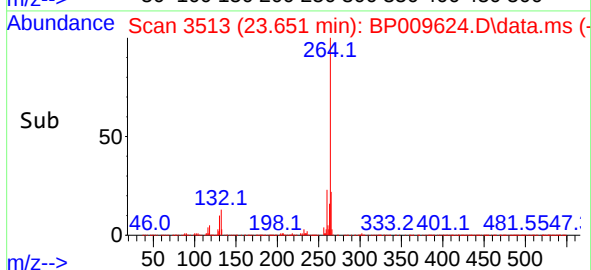
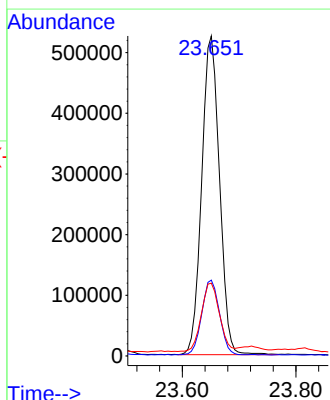
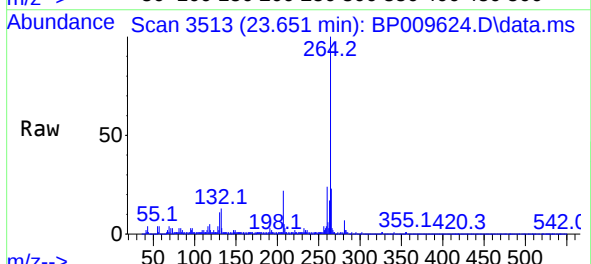
Manual Integrations
APPROVED

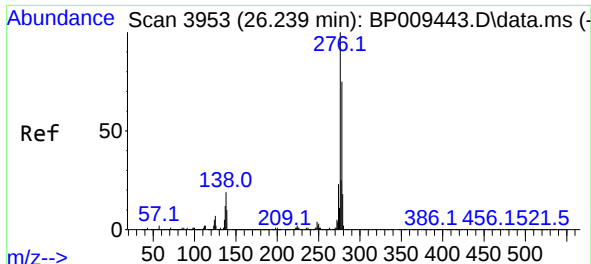
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.651 min Scan# 3513
Delta R.T. 0.000 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

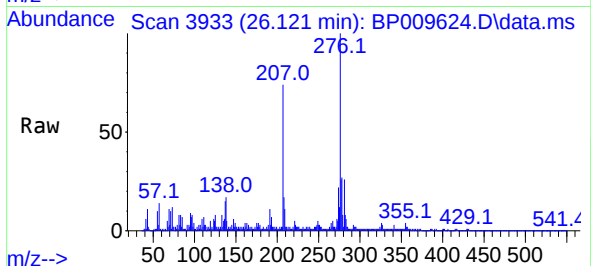
Tgt Ion:264 Resp: 1139670
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.0
265 22.7 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.82 ng
RT: 26.121 min Scan# 3953
Delta R.T. -0.017 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

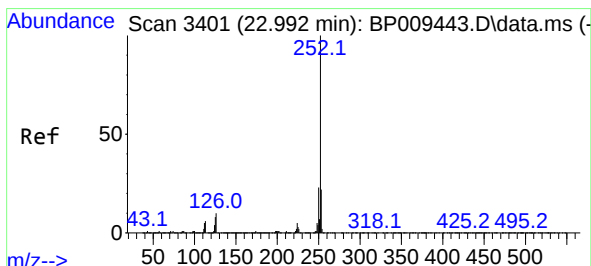
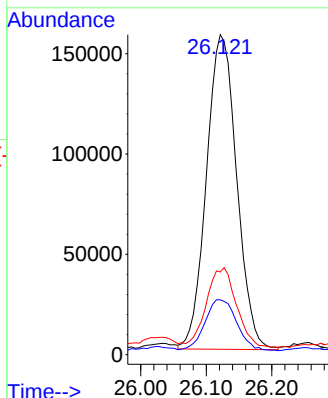
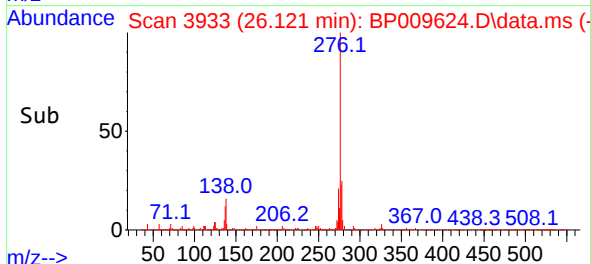
Instrument : BNA_P
ClientSampleId : 22L076-E



Tgt Ion: 276 Resp: 50319
Ion Ratio Lower Upper
276 100
138 17.1 20.5 30.7
277 24.9 20.4 30.6

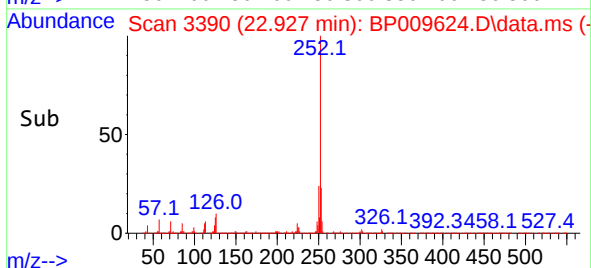
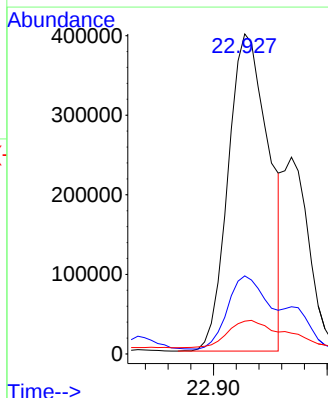
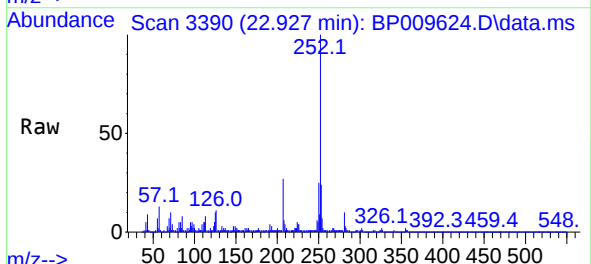
Manual Integrations
APPROVED

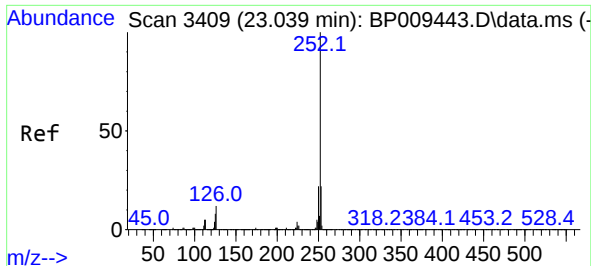
Reviewed By : Christian Giraldo 03/31/2022
Supervised By : Jagrut Upadhyay 03/31/2022



#88
Benzo(b)fluoranthene
Concen: 14.58 ng
RT: 22.927 min Scan# 3390
Delta R.T. 0.000 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Tgt Ion: 252 Resp: 992071
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 10.3 8.1 12.1





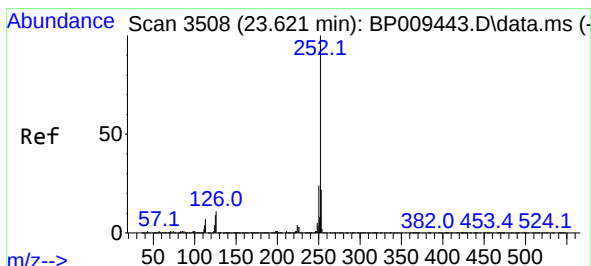
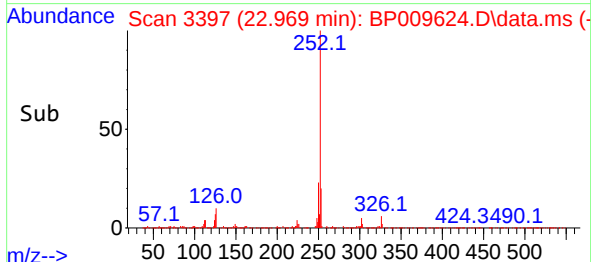
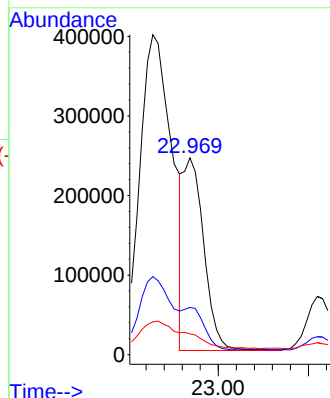
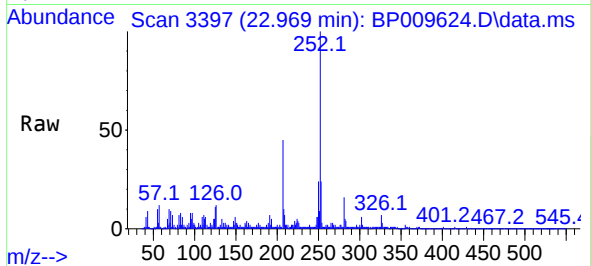
#89
Benzo(k)fluoranthene
Concen: 5.78 ng m
RT: 22.969 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Instrument :
BNA_P
ClientSampleId :
22L076-E

Tgt Ion:252 Resp: 385230
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 10.6 8.3 12.5

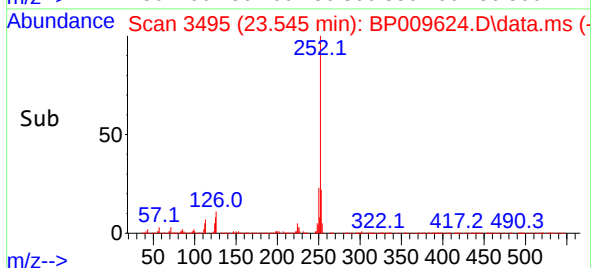
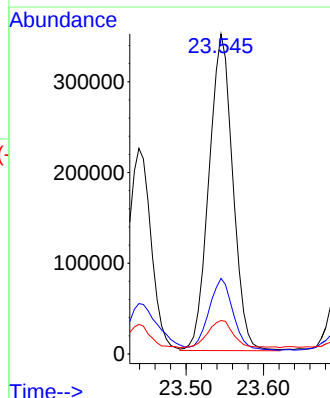
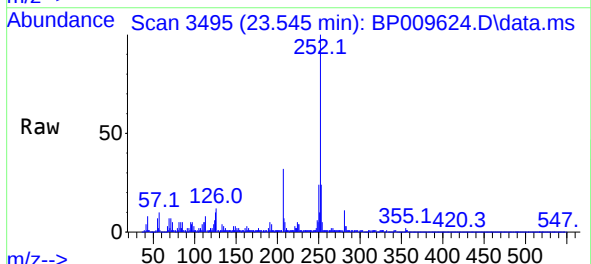
Manual Integrations
APPROVED

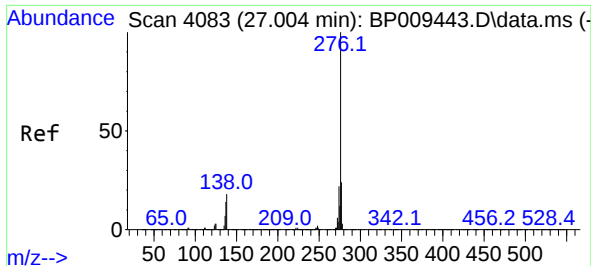
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#90
Benzo(a)pyrene
Concen: 12.82 ng
RT: 23.545 min Scan# 3495
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

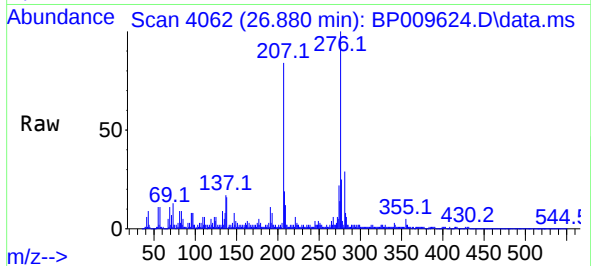
Tgt Ion:252 Resp: 746150
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 10.5 9.3 13.9





#92
Benzo(g,h,i)perylene
Concen: 7.04 ng
RT: 26.880 min Scan# 4062
Delta R.T. -0.017 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Instrument :
BNA_P
ClientSampleId :
22L076-E



Tgt Ion: 276 Resp: 499277
Ion Ratio Lower Upper
276 100
277 25.2 19.2 28.8
138 16.4 18.0 27.0

Manual Integrations
APPROVED

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

