

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033022\
 Data File : BP009626.D
 Acq On : 30 Mar 2022 19:21
 Operator : CG/JU
 Sample : N2155-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 22L076-G

Manual Integrations
 APPROVED

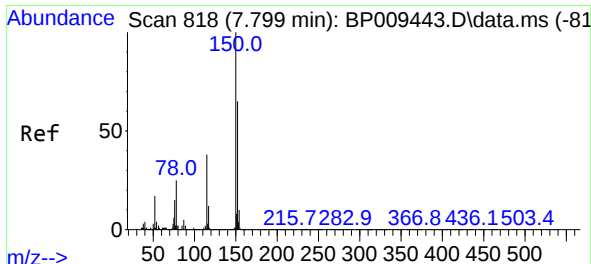
Reviewed By : Christian Giraldo 03/31/2022
 Supervised By : Jagrut Upadhyay 03/31/2022

Quant Time: Mar 31 04:41:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

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

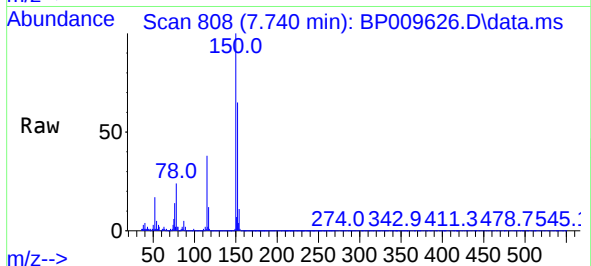
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	263541	20.00	ng	0.00
21) Naphthalene-d8	10.528	136	787136	20.00	ng	0.00
39) Acenaphthene-d10	14.387	164	489455	20.00	ng	0.00
64) Phenanthrene-d10	17.151	188	970552	20.00	ng	0.00
76) Chrysene-d12	21.269	240	1011367	20.00	ng	0.00
86) Perylene-d12	23.651	264	1482514	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	520813	34.50	ng	0.00
7) Phenol-d6	6.934	99	1675708	82.09	ng	0.00
23) Nitrobenzene-d5	8.893	82	1498844	101.19	ng	0.00
42) 2,4,6-Tribromophenol	15.887	330	222765	27.58	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	2791364	79.06	ng	0.00
79) Terphenyl-d14	19.733	244	4427204	78.57	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.958	94	57490	2.81	ng	79
31) Naphthalene	10.575	128	310901	7.67	ng	99
37) 2-Methylnaphthalene	12.199	142	188365	6.62	ng	98
38) 1-Methylnaphthalene	12.416	142	139231	5.02	ng	99
52) Acenaphthene	14.451	154	113871	4.30	ng	99
58) Fluorene	15.440	166	134783	3.85	ng	96
71) Phenanthrene	17.198	178	932417	17.95	ng	100
72) Anthracene	17.286	178	220754	4.30	ng	98
75) Fluoranthene	19.180	202	855999	13.61	ng	98
78) Pyrene	19.533	202	852841	12.80	ng	99
81) Benzo(a)anthracene	21.257	228	396137	5.96	ng	98
83) Chrysene	21.304	228	414897m	6.59	ng	
84) Bis(2-ethylhexyl)phtha...	21.186	149	117781	2.98	ng	# 97
88) Benzo(b)fluoranthene	22.927	252	602667	6.81	ng	# 88
89) Benzo(k)fluoranthene	22.974	252	271381m	3.13	ng	
90) Benzo(a)pyrene	23.545	252	444116	5.87	ng	# 93
92) Benzo(g,h,i)perylene	26.892	276	298674	3.24	ng	96

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.740 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

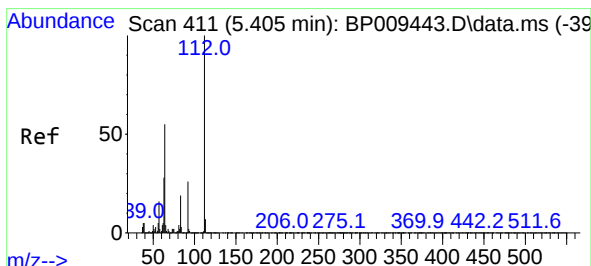
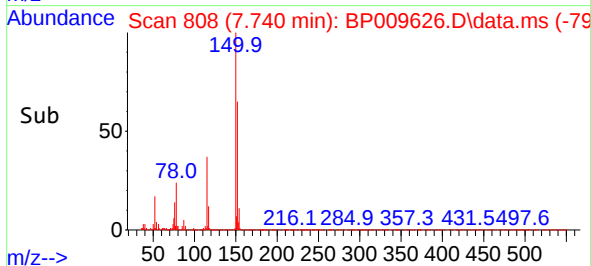
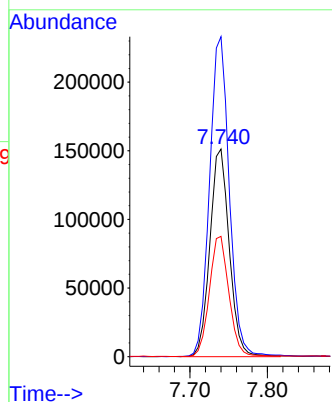
Instrument :
BNA_P
ClientSampleId :
22L076-G



Tgt Ion:152 Resp: 26354
Ion Ratio Lower Upper
152 100
150 154.1 124.5 186.7
115 57.9 48.2 72.4

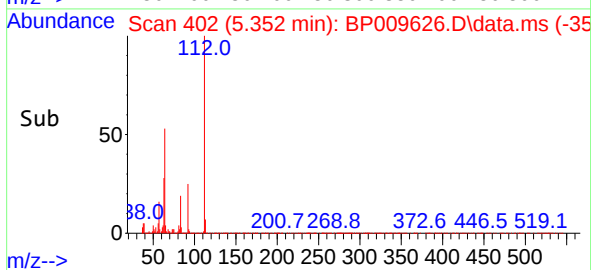
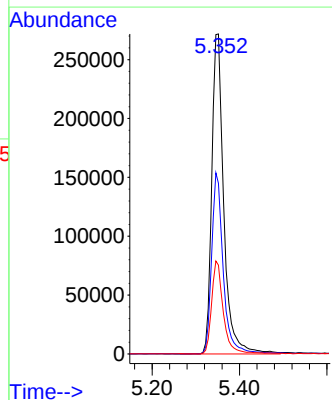
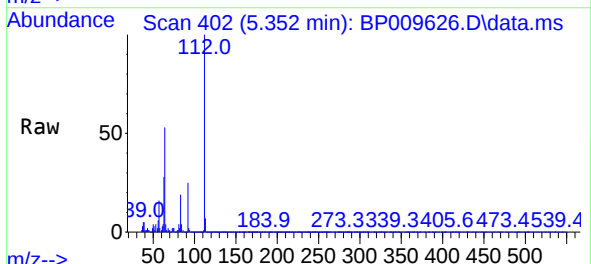
Manual Integrations
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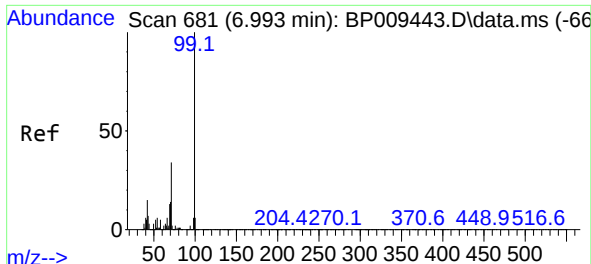
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#5
2-Fluorophenol
Concen: 34.50 ng
RT: 5.352 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

Tgt Ion:112 Resp: 520813
Ion Ratio Lower Upper
112 100
64 53.4 45.0 67.4
63 27.8 23.0 34.6





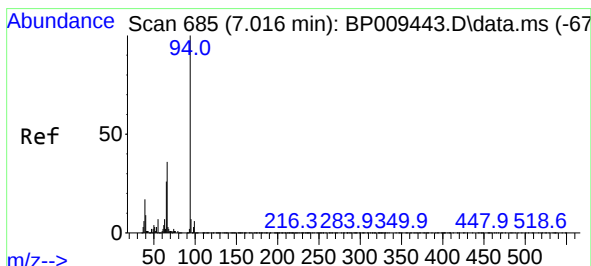
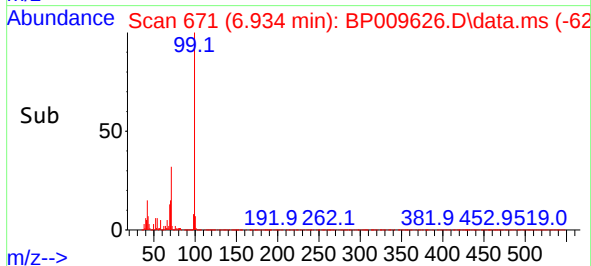
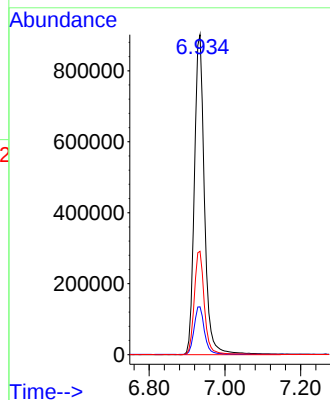
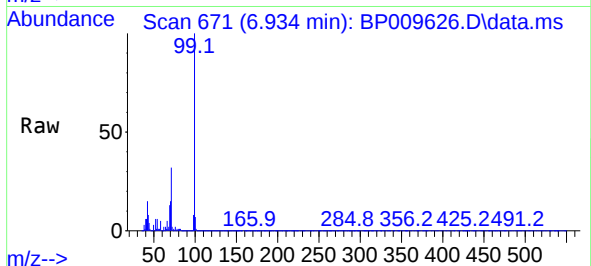
#7
Phenol-d6
Concen: 82.09 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

Instrument :
BNA_P
ClientSampleId :
22L076-G

Tgt Ion: 99 Resp: 1675708
Ion Ratio Lower Upper
99 100
42 14.9 12.8 19.2
71 32.3 26.3 39.5

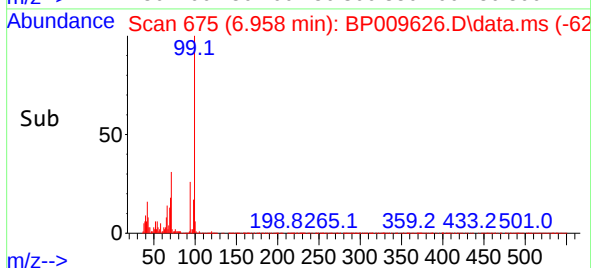
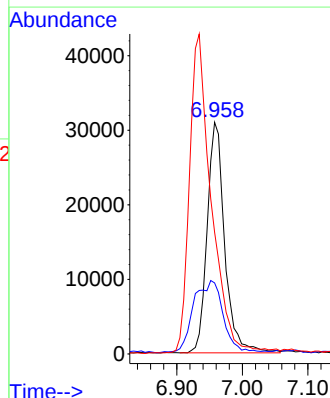
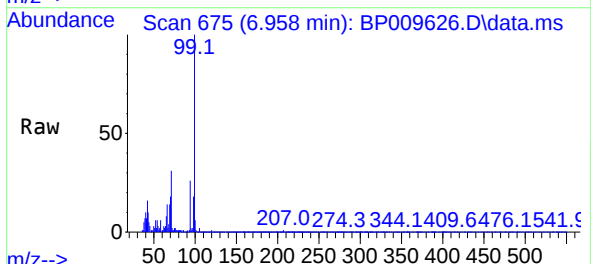
Manual Integrations
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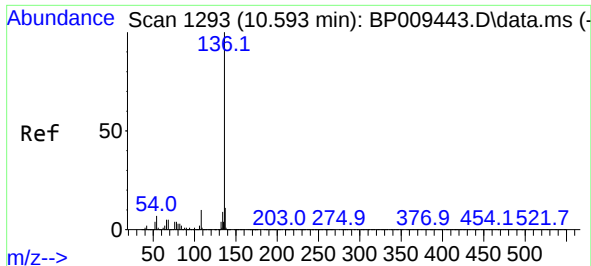
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#10
Phenol
Concen: 2.81 ng
RT: 6.958 min Scan# 675
Delta R.T. 0.000 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

Tgt Ion: 94 Resp: 57490
Ion Ratio Lower Upper
94 100
65 30.7 7.2 47.2
66 52.5 14.3 54.3





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.528 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

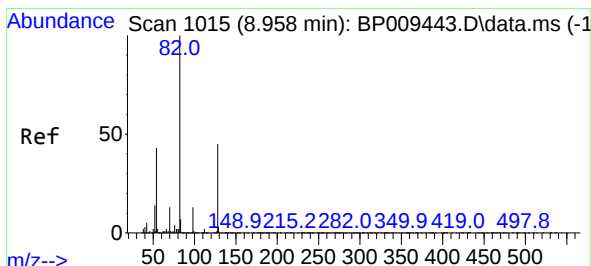
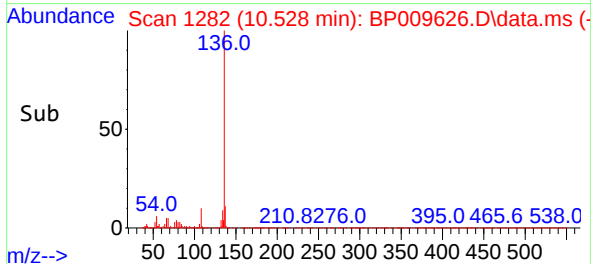
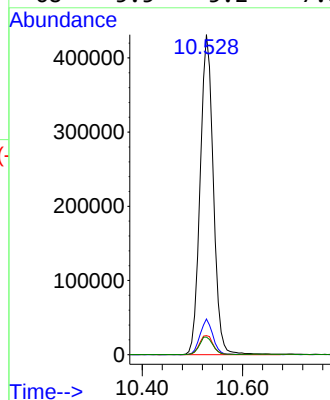
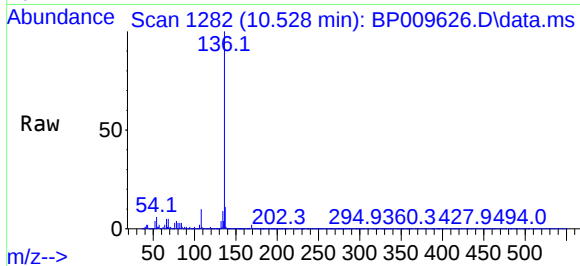
Instrument :
BNA_P
ClientSampleId :
22L076-G

Tgt Ion: 136 Resp: 787130

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	5.9	5.8	8.8
68	5.5	5.2	7.8

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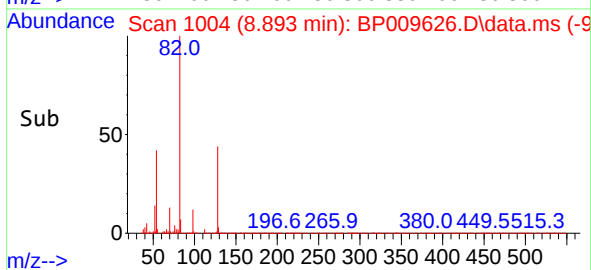
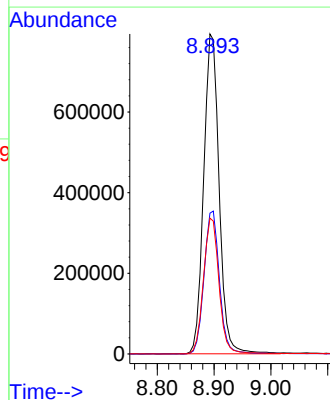
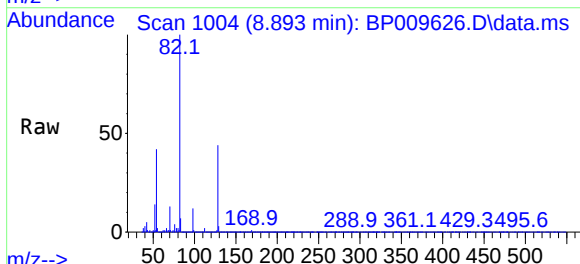
Reviewed By : Christian Giraldo 03/31/2022
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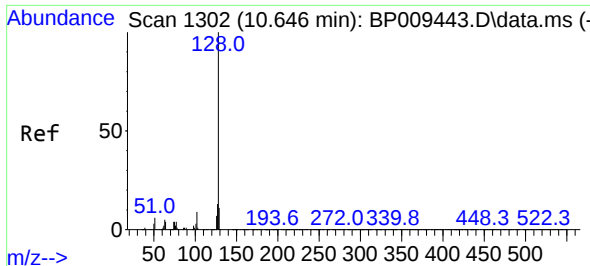


#23
Nitrobenzene-d5
Concen: 101.19 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

Tgt Ion: 82 Resp: 1498844

Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.2	51.4
54	42.5	34.7	52.1





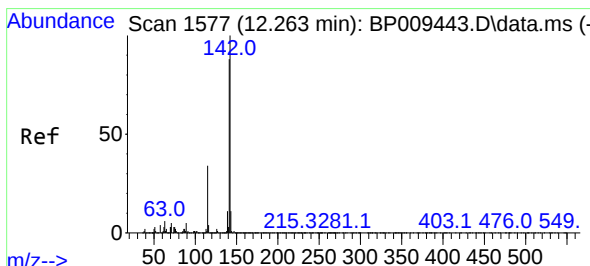
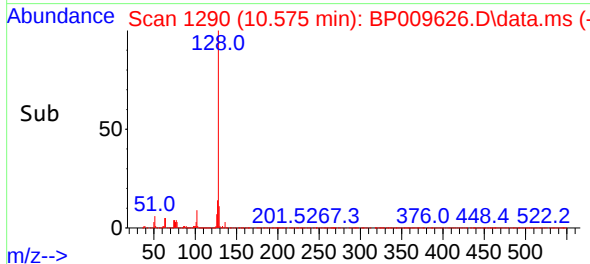
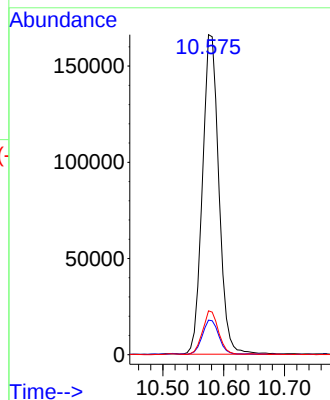
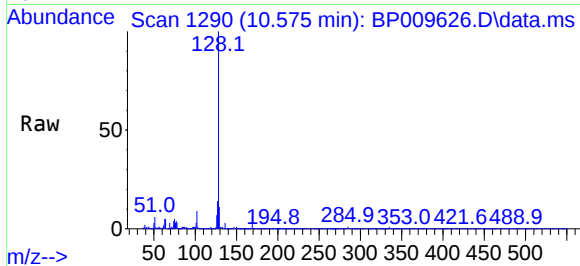
#31
Naphthalene
Concen: 7.67 ng
RT: 10.575 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

Instrument :
BNA_P
ClientSampleId :
22L076-G

Tgt Ion:128 Resp: 31090
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.7 10.5 15.7

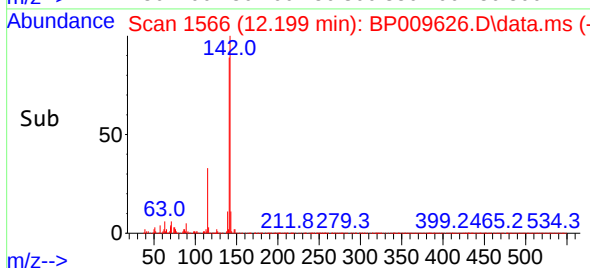
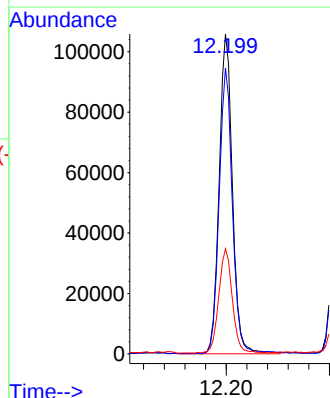
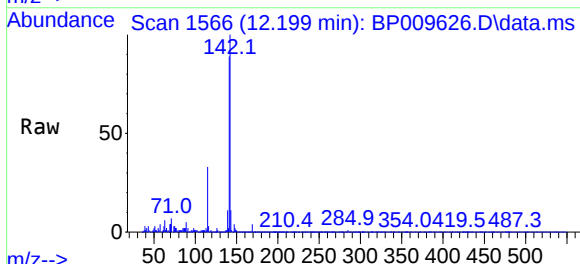
Manual Integrations
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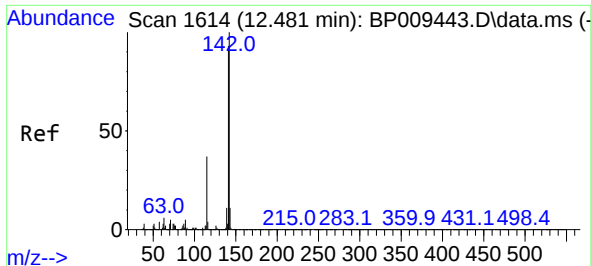
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#37
2-Methylnaphthalene
Concen: 6.62 ng
RT: 12.199 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

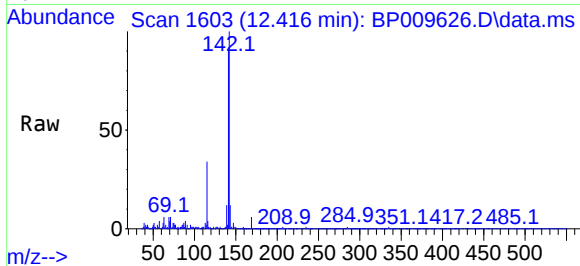
Tgt Ion:142 Resp: 188365
Ion Ratio Lower Upper
142 100
141 89.4 70.2 105.4
115 32.9 27.4 41.2





#38
1-Methylnaphthalene
Concen: 5.02 ng
RT: 12.416 min Scan# 110
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

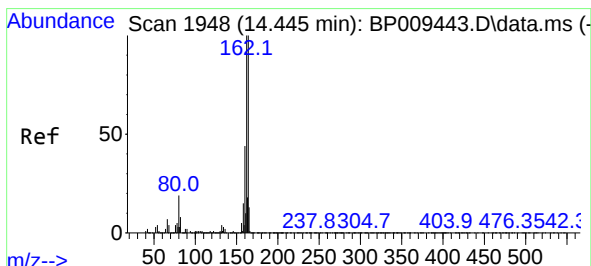
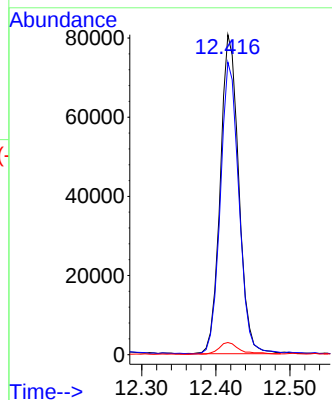
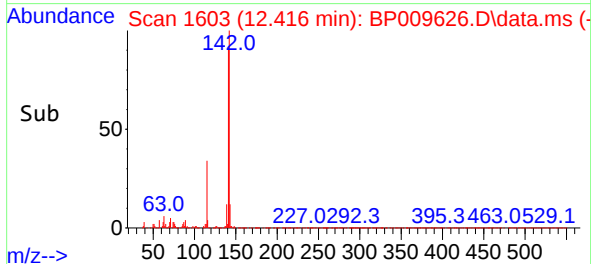
Instrument :
BNA_P
ClientSampleId :
22L076-G



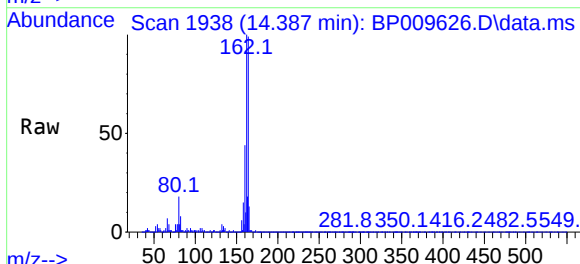
Tgt Ion:142 Resp: 13923
Ion Ratio Lower Upper
142 100
141 91.4 73.5 110.3
116 3.8 3.3 4.9

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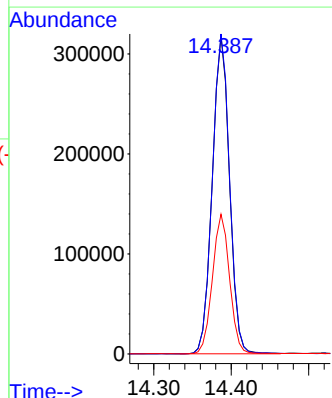
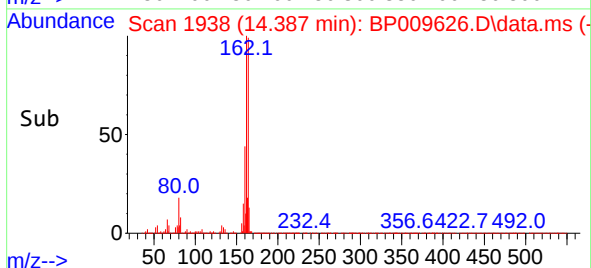
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

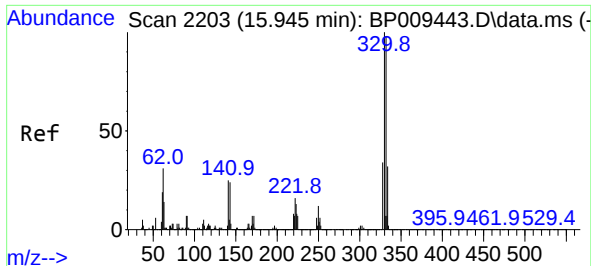


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21



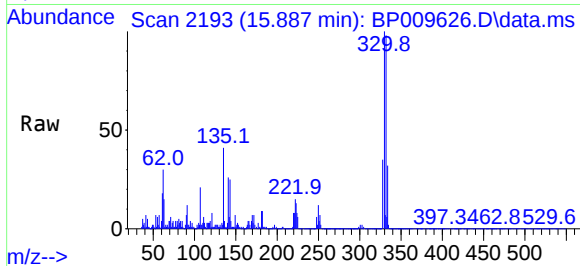
Tgt Ion:164 Resp: 489455
Ion Ratio Lower Upper
164 100
162 100.8 79.1 118.7
160 44.0 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 27.58 ng
RT: 15.887 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

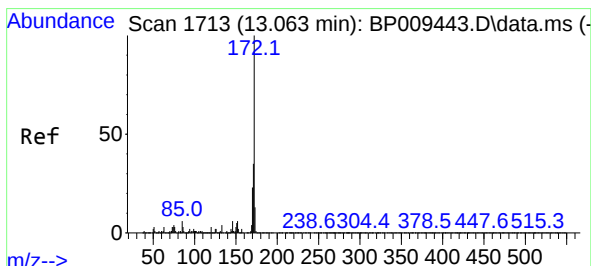
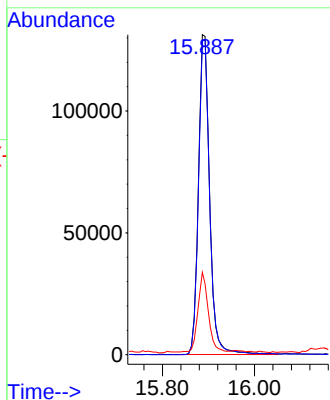
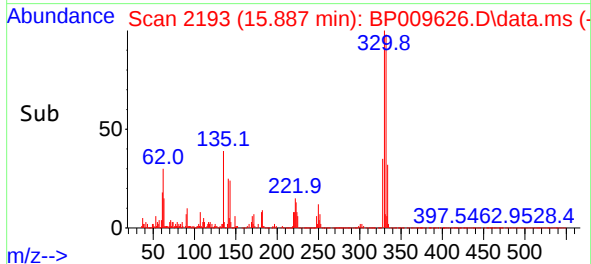
Instrument :
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22L076-G



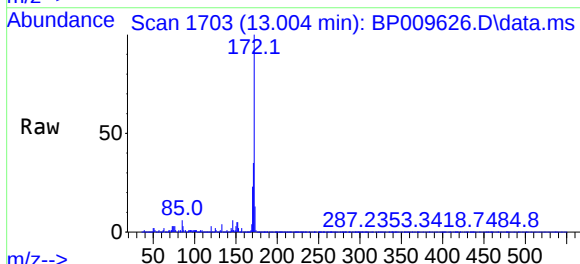
Tgt Ion:330 Resp: 22276
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.6
141 22.6 27.6 41.4

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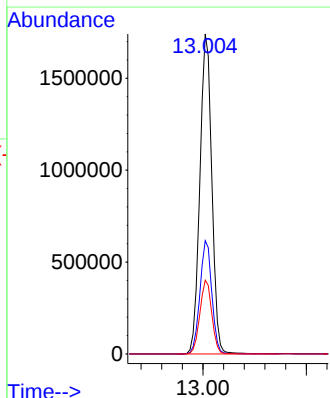
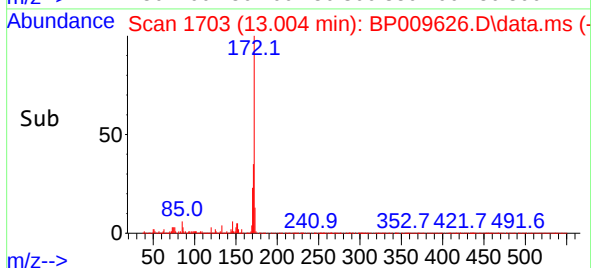
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

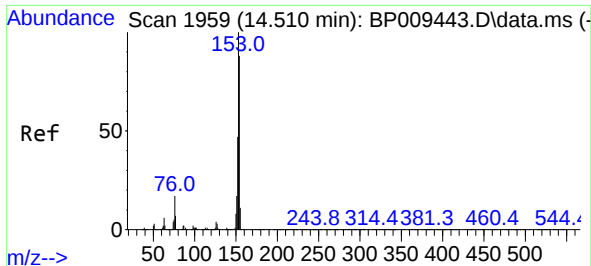


#45
2-Fluorobiphenyl
Concen: 79.06 ng
RT: 13.004 min Scan# 1703
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21



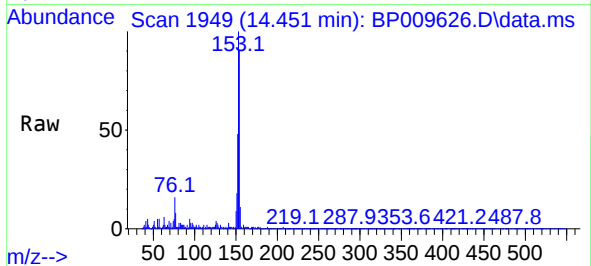
Tgt Ion:172 Resp: 2791364
Ion Ratio Lower Upper
172 100
171 35.4 28.0 42.0
170 23.0 18.6 27.8





#52
Acenaphthene
Concen: 4.30 ng
RT: 14.451 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

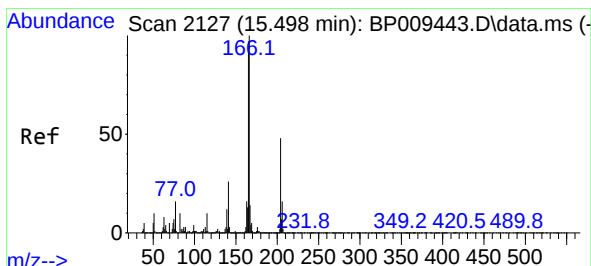
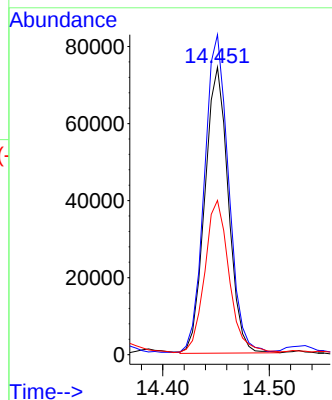
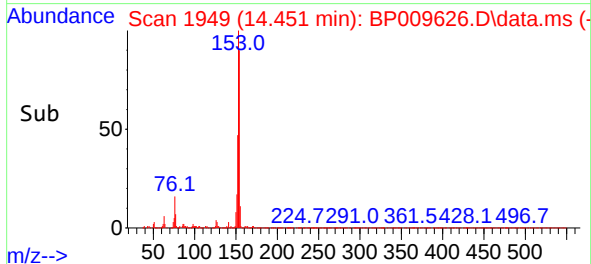
Instrument :
BNA_P
ClientSampleId :
22L076-G



Tgt Ion:154 Resp: 11387
Ion Ratio Lower Upper
154 100
153 111.4 90.2 135.4
152 53.7 42.7 64.1

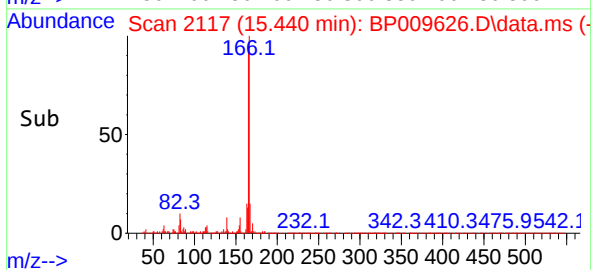
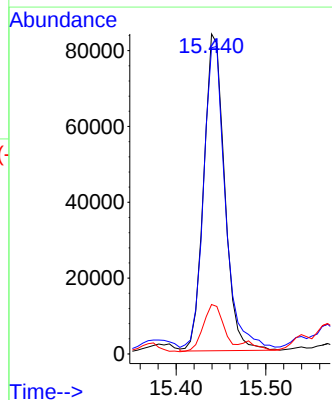
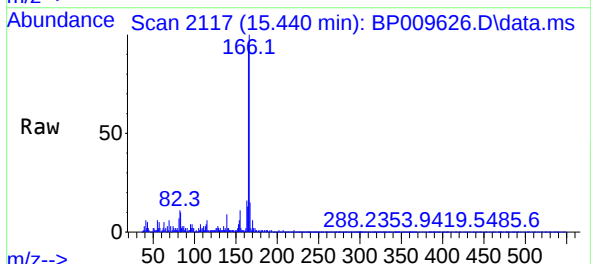
Manual Integrations
APPROVED

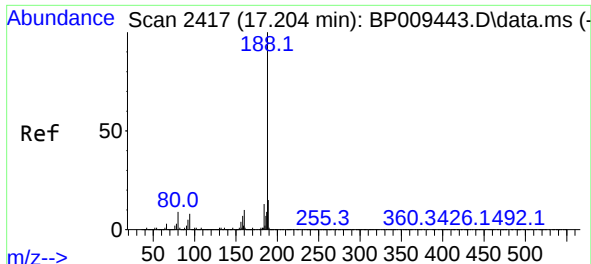
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#58
Fluorene
Concen: 3.85 ng
RT: 15.440 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

Tgt Ion:166 Resp: 134783
Ion Ratio Lower Upper
166 100
165 95.7 79.2 118.8
167 15.4 10.7 16.1





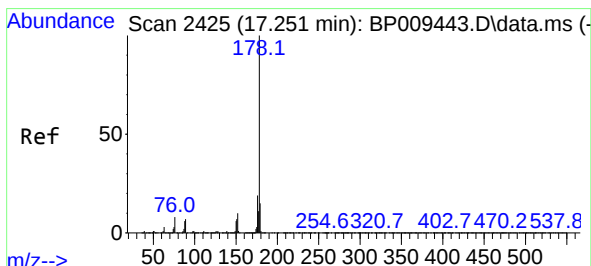
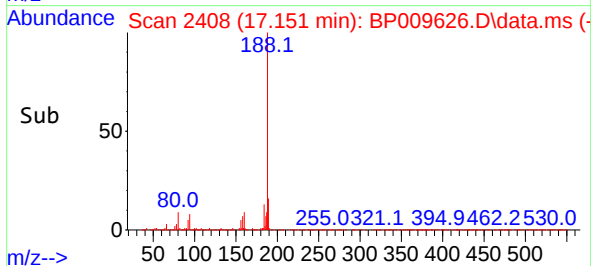
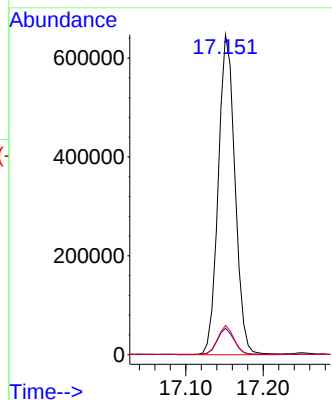
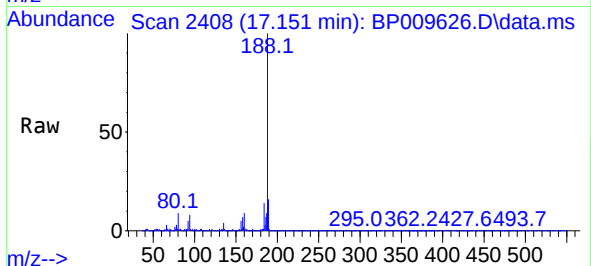
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.151 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

Instrument :
BNA_P
ClientSampleId :
22L076-G

Tgt Ion:188 Resp: 97055
Ion Ratio Lower Upper
188 100
94 8.3 7.9 11.9
80 9.1 8.8 13.2

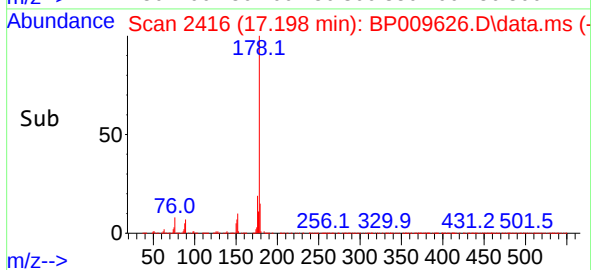
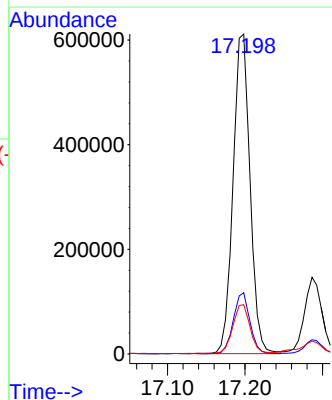
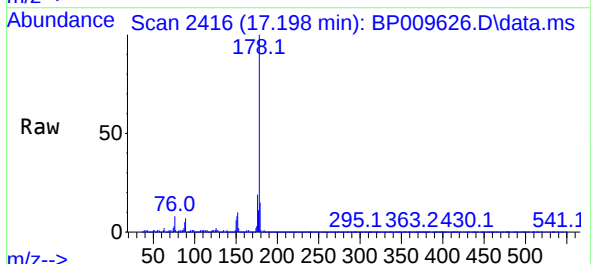
Manual Integrations
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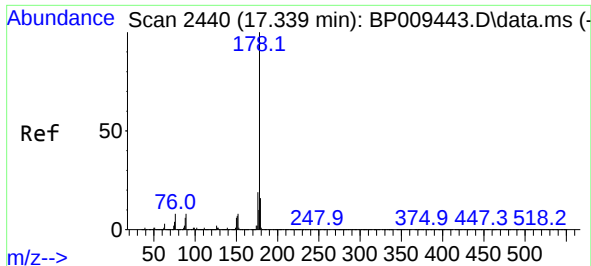
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#71
Phenanthrene
Concen: 17.95 ng
RT: 17.198 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

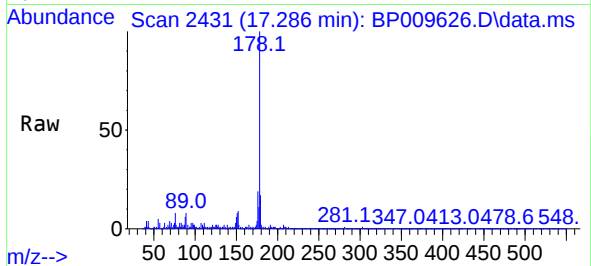
Tgt Ion:178 Resp: 932417
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.4 12.3 18.5





#72
 Anthracene
 Concen: 4.30 ng
 RT: 17.286 min Scan# 2440
 Delta R.T. -0.006 min
 Lab File: BP009626.D
 Acq: 30 Mar 2022 19:21

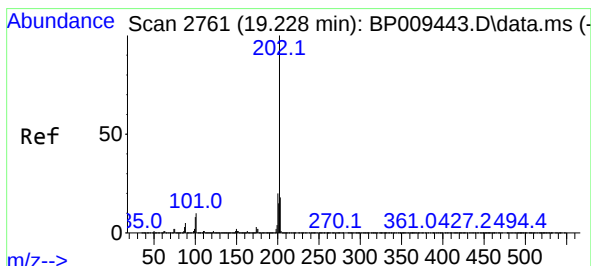
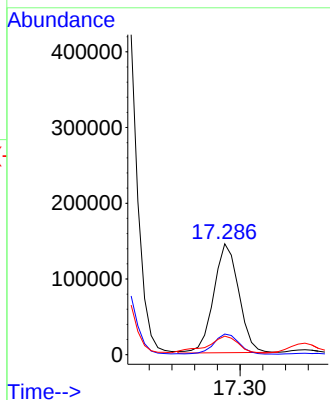
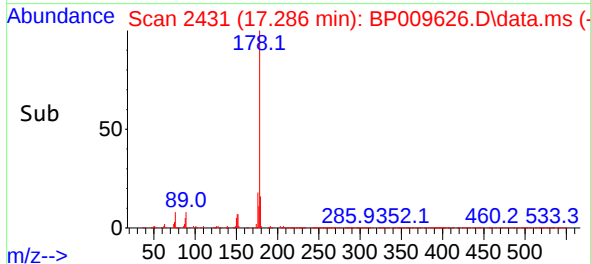
Instrument :
 BNA_P
 ClientSampleId :
 22L076-G



Tgt Ion:178 Resp: 220754
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.8 22.2
 179 16.8 12.2 18.4

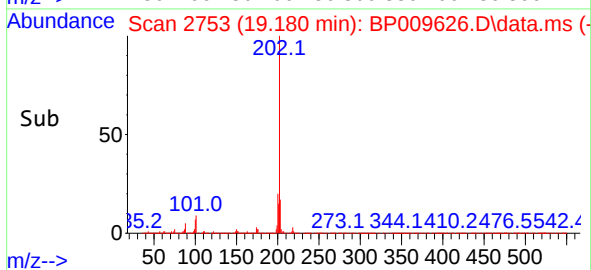
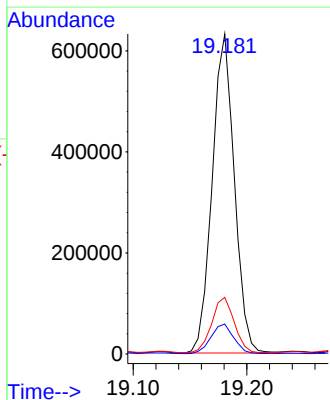
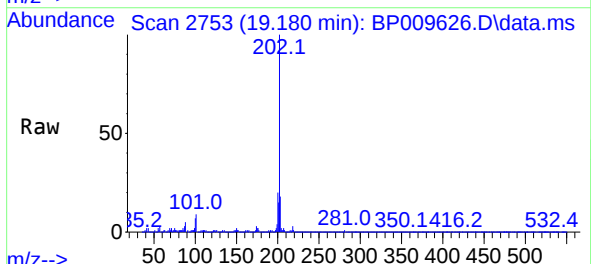
Manual Integrations
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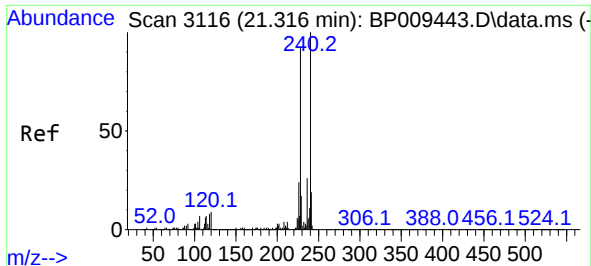
Reviewed By :Christian Giraldo 03/31/2022
 Supervised By :Jagrut Upadhyay 03/31/2022



#75
 Fluoranthene
 Concen: 13.61 ng
 RT: 19.180 min Scan# 2753
 Delta R.T. 0.000 min
 Lab File: BP009626.D
 Acq: 30 Mar 2022 19:21

Tgt Ion:202 Resp: 855999
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 31.5
 203 17.7 0.0 37.8





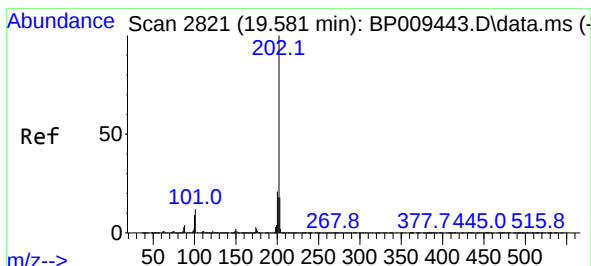
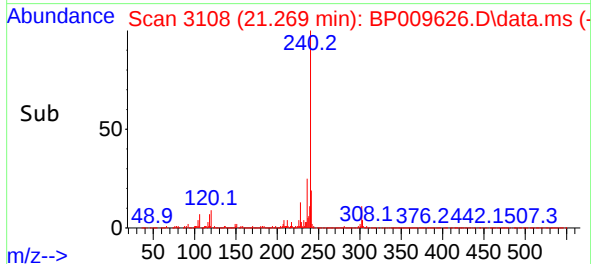
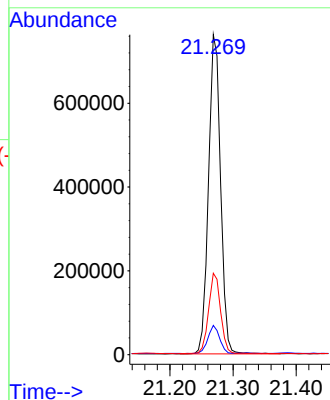
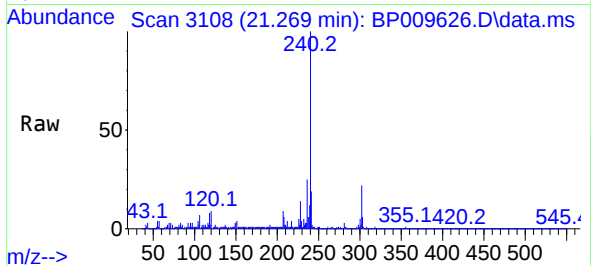
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.269 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

Instrument :
BNA_P
ClientSampleId :
22L076-G

Tgt Ion:240 Resp: 101136
Ion Ratio Lower Upper
240 100
120 9.1 9.0 13.4
236 25.5 20.6 30.8

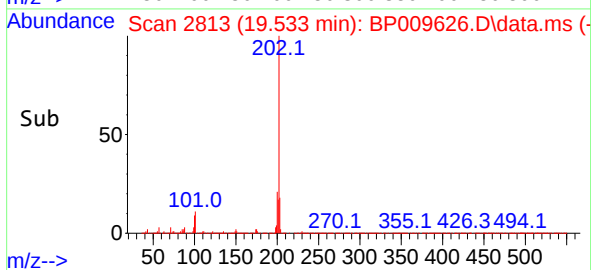
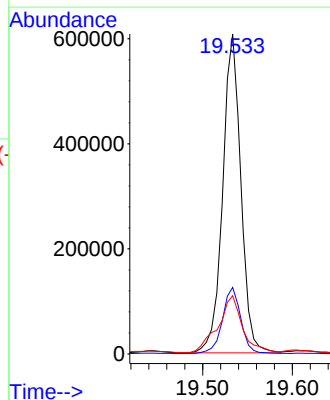
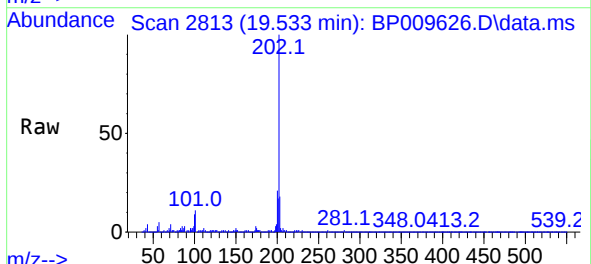
Manual Integrations
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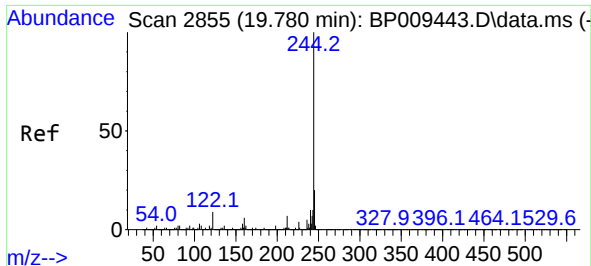
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#78
Pyrene
Concen: 12.80 ng
RT: 19.533 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

Tgt Ion:202 Resp: 852841
Ion Ratio Lower Upper
202 100
200 20.8 16.8 25.2
203 18.2 14.2 21.4





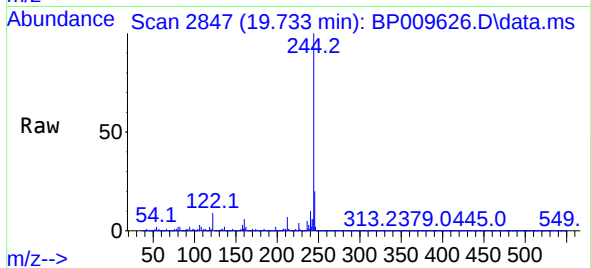
#79
 Terphenyl-d14
 Concen: 78.57 ng
 RT: 19.733 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009626.D
 Acq: 30 Mar 2022 19:21

Instrument :

BNA_P

ClientSampleId :

22L076-G

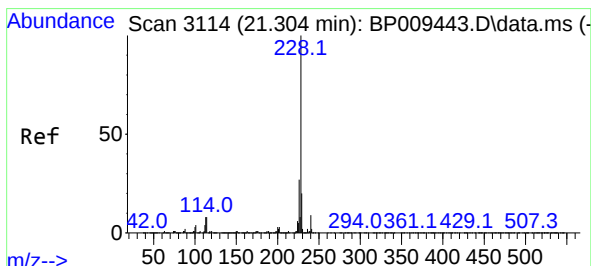
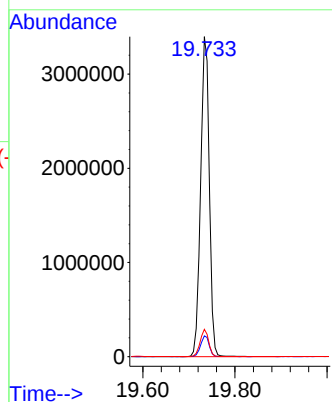
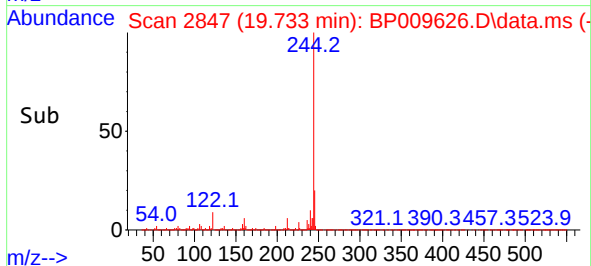


Tgt Ion:244 Resp: 4427204
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.6
 122 8.6 8.3 12.5

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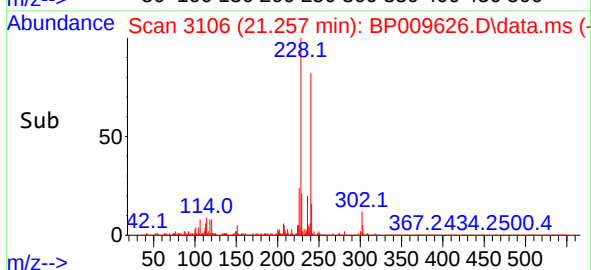
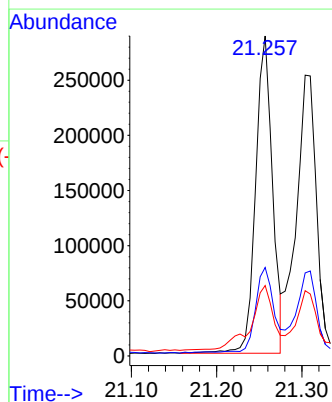
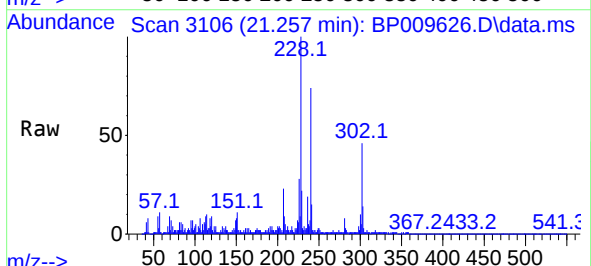
APPROVED

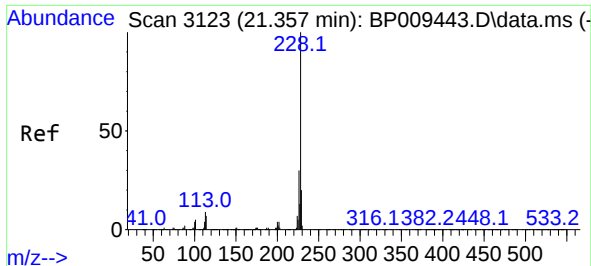
Reviewed By :Christian Giraldo 03/31/2022
 Supervised By :Jagrut Upadhyay 03/31/2022



#81
 Benzo(a)anthracene
 Concen: 5.96 ng
 RT: 21.257 min Scan# 3106
 Delta R.T. -0.006 min
 Lab File: BP009626.D
 Acq: 30 Mar 2022 19:21

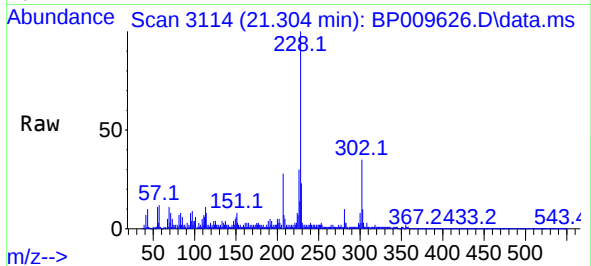
Tgt Ion:228 Resp: 396137
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.0 33.0
 229 22.0 16.1 24.1





#83
Chrysene
Concen: 6.59 ng m
RT: 21.304 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

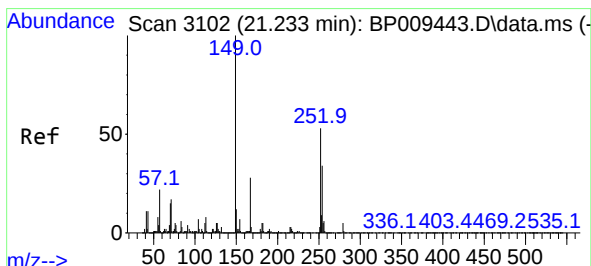
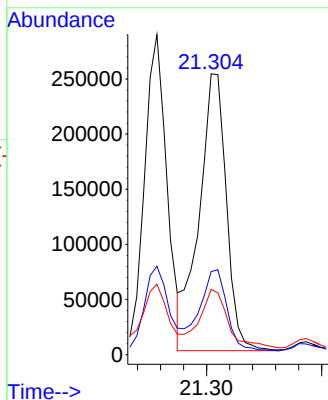
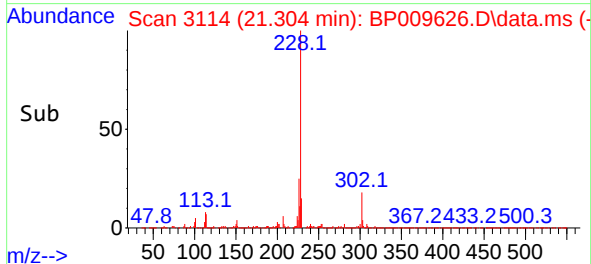
Instrument :
BNA_P
ClientSampleId :
22L076-G



Tgt Ion:228 Resp: 41489
Ion Ratio Lower Upper
228 100
226 29.6 24.2 36.2
229 23.2 16.1 24.1

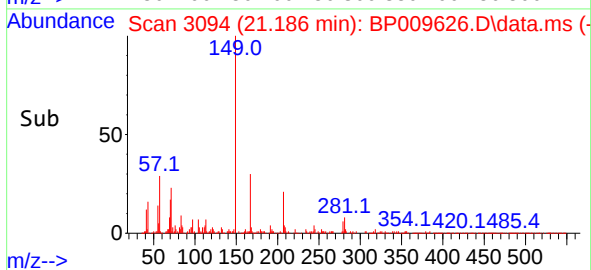
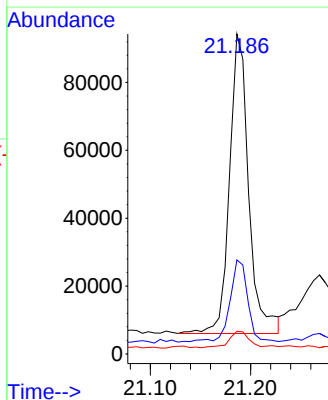
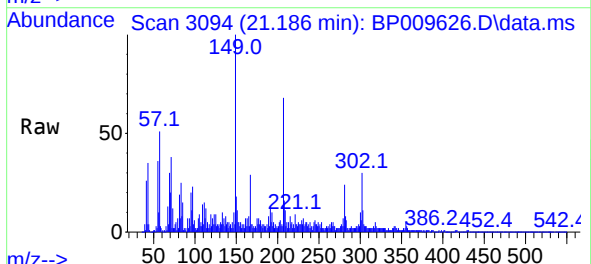
Manual Integrations
APPROVED

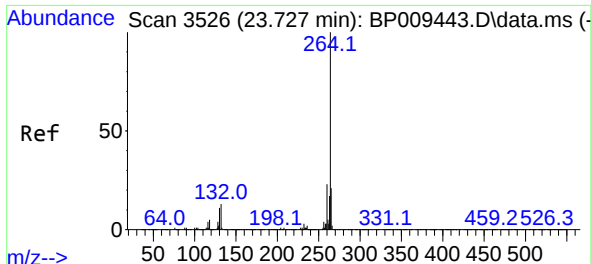
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.98 ng
RT: 21.186 min Scan# 3094
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

Tgt Ion:149 Resp: 117781
Ion Ratio Lower Upper
149 100
167 29.4 22.6 33.8
279 7.1 3.8 5.6#





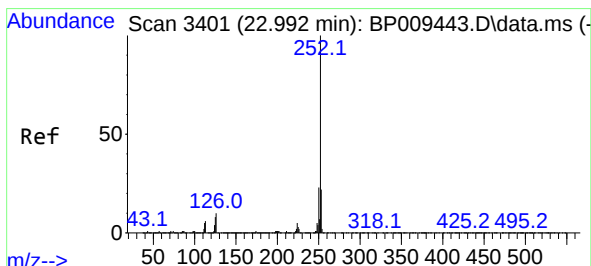
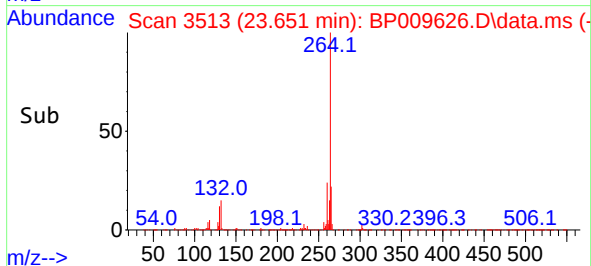
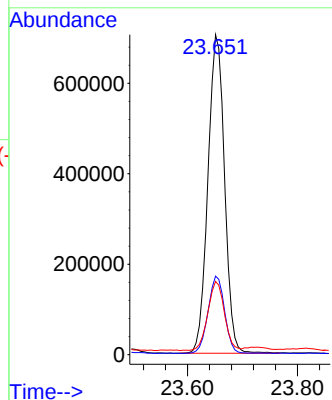
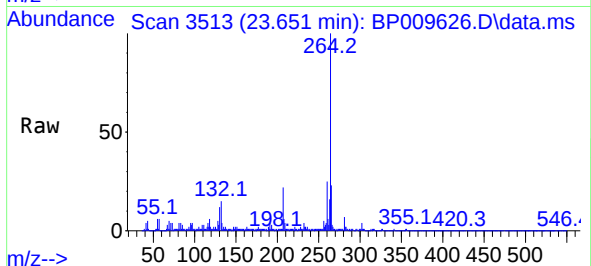
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.651 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BP009626.D
 Acq: 30 Mar 2022 19:21

Instrument :
 BNA_P
 ClientSampleId :
 22L076-G

Tgt Ion:264 Resp: 1482514
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.4 29.0
 265 22.9 17.2 25.8

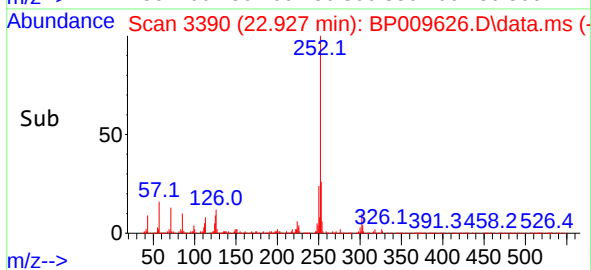
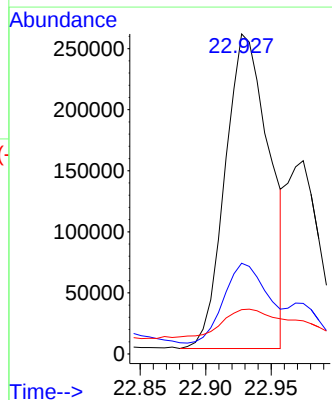
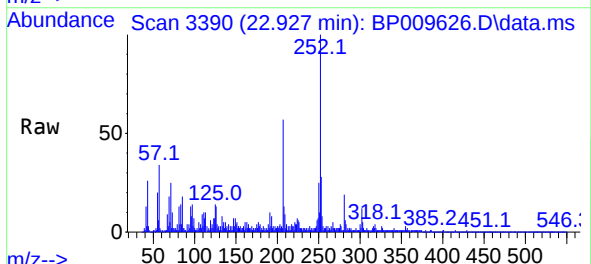
Manual Integrations
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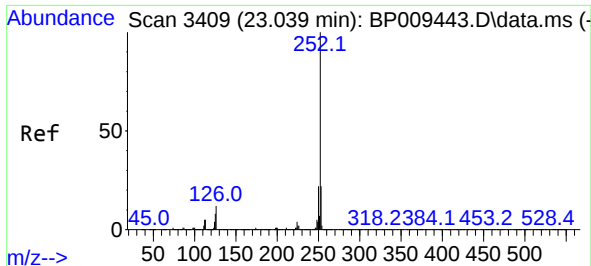
Reviewed By :Christian Giraldo 03/31/2022
 Supervised By :Jagrut Upadhyay 03/31/2022



#88
 Benzo(b)fluoranthene
 Concen: 6.81 ng
 RT: 22.927 min Scan# 3390
 Delta R.T. 0.000 min
 Lab File: BP009626.D
 Acq: 30 Mar 2022 19:21

Tgt Ion:252 Resp: 602667
 Ion Ratio Lower Upper
 252 100
 253 28.3 17.8 26.8#
 125 13.9 8.1 12.1#





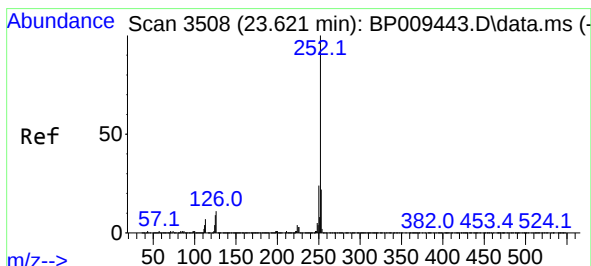
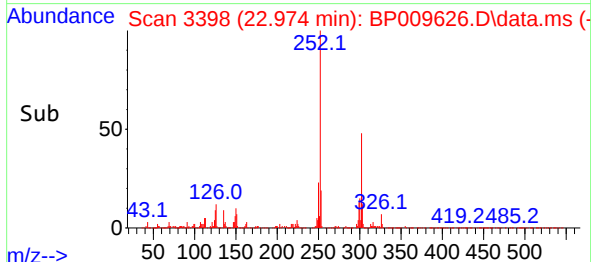
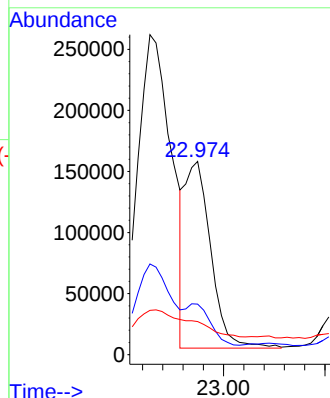
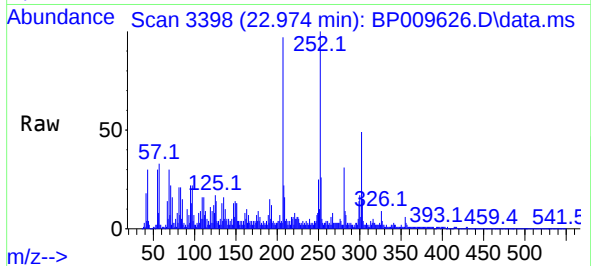
#89
Benzo(k)fluoranthene
Concen: 3.13 ng m
RT: 22.974 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

Instrument :
BNA_P
ClientSampleId :
22L076-G

Tgt Ion:252 Resp: 27138
Ion Ratio Lower Upper
252 100
253 26.2 17.5 26.3
125 17.1 8.3 12.5

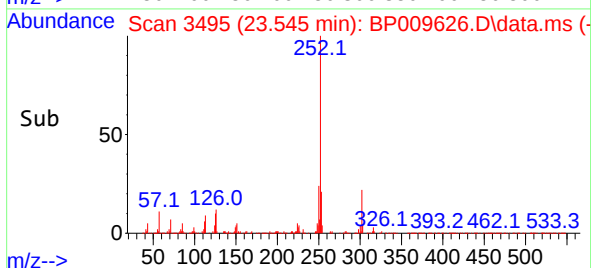
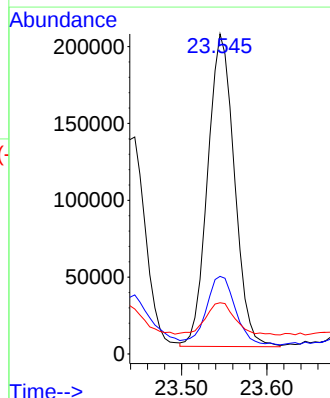
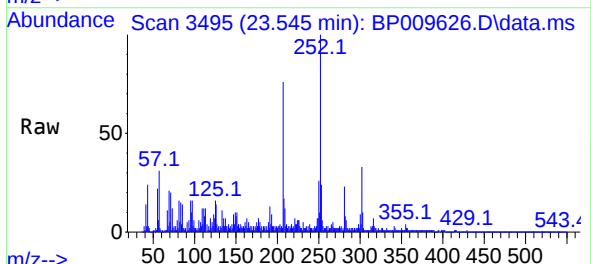
Manual Integrations
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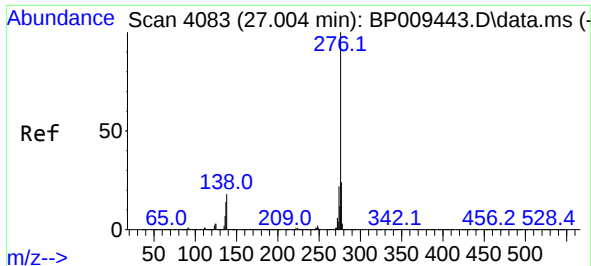
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#90
Benzo(a)pyrene
Concen: 5.87 ng
RT: 23.545 min Scan# 3495
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

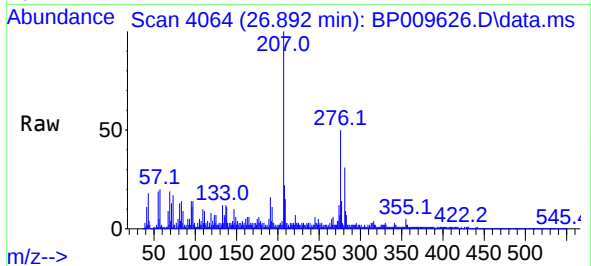
Tgt Ion:252 Resp: 444116
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 16.0 9.3 13.9





#92
Benzo(g,h,i)perylene
Concen: 3.24 ng
RT: 26.892 min Scan# 40
Delta R.T. -0.006 min
Lab File: BP009626.D
Acq: 30 Mar 2022 19:21

Instrument :
BNA_P
ClientSampleId :
22L076-G



Tgt Ion:276 Resp: 298674
Ion Ratio Lower Upper
276 100
277 27.3 19.2 28.8
138 21.7 18.0 27.0

Manual Integrations
APPROVED

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

