

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031422\
 Data File : BP009387.D
 Acq On : 14 Mar 2022 18:00
 Operator : CG/JU
 Sample : N1908-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-8-9-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/15/2022
 Supervised By : mohammad ahmed 03/16/2022

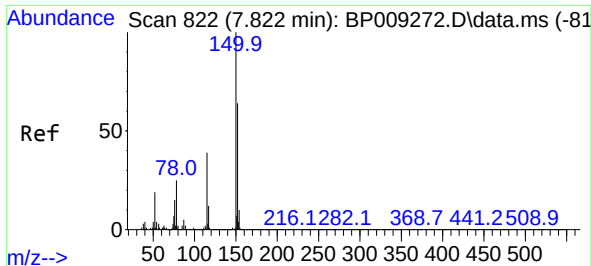
Quant Time: Mar 15 01:00:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 01:55:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	227369	20.000	ng	# 0.01
21) Naphthalene-d8	10.646	136	1209943	20.000	ng	# 0.03
39) Acenaphthene-d10	14.546	164	668098	20.000	ng	# 0.08
64) Phenanthrene-d10	17.292	188	1154042	20.000	ng	# 0.07
76) Chrysene-d12	21.357	240	1425295	20.000	ng	# 0.03
86) Perylene-d12	23.780	264	1704068	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1911488	122.715	ng	0.02
7) Phenol-d6	7.017	99	1966783	99.360	ng	0.03
23) Nitrobenzene-d5	8.987	82	1363448	62.066	ng	0.01
42) 2,4,6-Tribromophenol	16.045	330	1041853	129.145	ng	0.09
45) 2-Fluorobiphenyl	13.146	172	2954895	60.823	ng	0.06
79) Terphenyl-d14	19.834	244	4520967	59.859	ng	0.04
Target Compounds						Qvalue
38) 1-Methylnaphthalene	12.569	142	19212522	438.199	ng	# 96
52) Acenaphthene	14.622	154	1437659	35.139	ng	# 41
55) Dibenzofuran	14.946	168	3035340	48.975	ng	# 1
58) Fluorene	15.604	166	3799770	78.290	ng	# 68
71) Phenanthrene	17.340	178	10082049	152.013	ng	# 88
72) Anthracene	17.428	178	815024	12.346	ng	# 38
75) Fluoranthene	19.316	202	1310908	17.124	ng	76
78) Pyrene	19.645	202	3048860	31.682	ng	# 87
81) Benzo(a)anthracene	21.339	228	2544122	26.335	ng	# 76
83) Chrysene	21.392	228	2715088	28.947	ng	# 78
87) Indeno(1,2,3-cd)pyrene	26.298	276	545702	4.122	ng	93
88) Benzo(b)fluoranthene	23.045	252	1386699m	12.052	ng	
89) Benzo(k)fluoranthene	23.075	252	296451m	2.697	ng	
90) Benzo(a)pyrene	23.674	252	1405847	12.883	ng	# 79
91) Dibenzo(a,h)anthracene	26.298	278	603221	5.373	ng	# 64
92) Benzo(g,h,i)perylene	27.063	276	737889	6.653	ng	# 94

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

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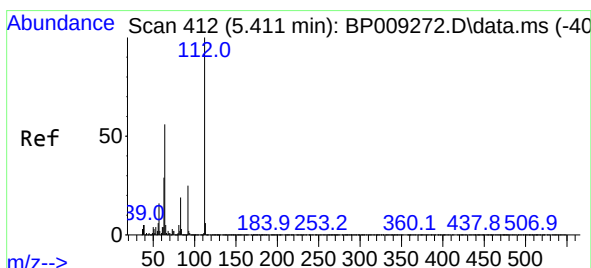
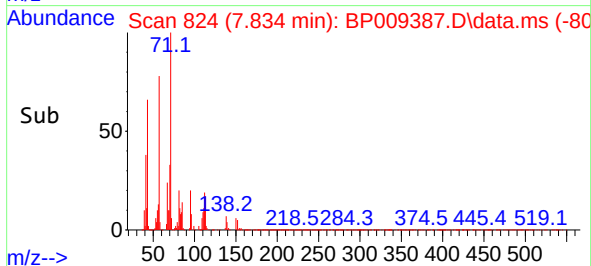
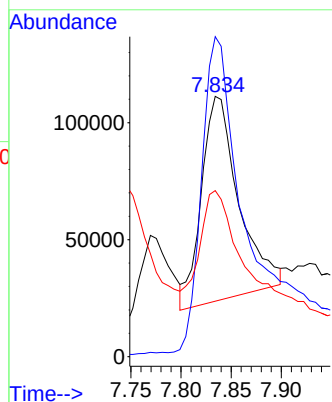
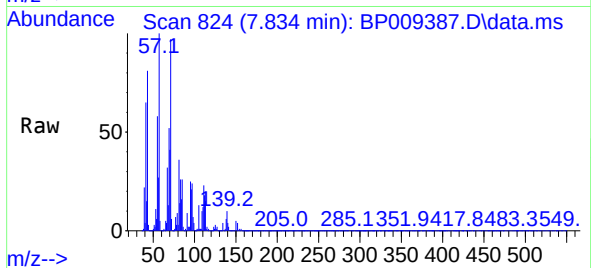
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.834 min Scan# 81
Delta R.T. 0.012 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

Instrument :
BNA_P
ClientSampleId :
WC-8-9-2

Tgt Ion:152 Resp: 227369
Ion Ratio Lower Upper
152 100
150 122.9 124.5 186.7
115 63.8 48.2 72.4

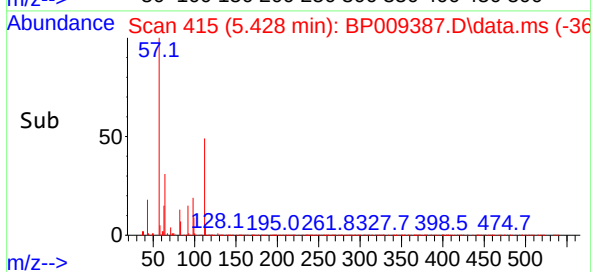
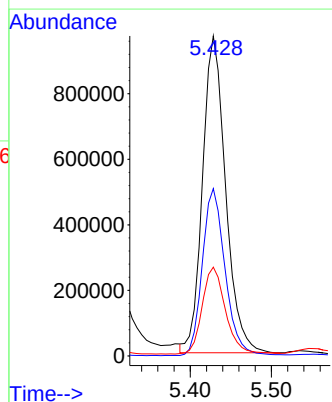
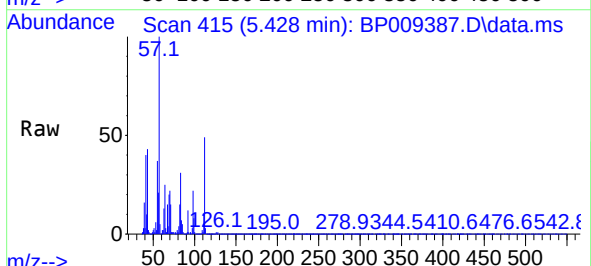
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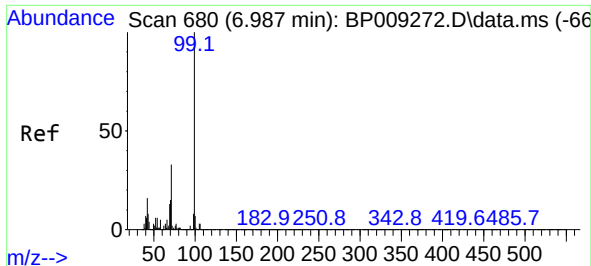
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#5
2-Fluorophenol
Concen: 122.715 ng
RT: 5.428 min Scan# 415
Delta R.T. 0.017 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

Tgt Ion:112 Resp: 1911488
Ion Ratio Lower Upper
112 100
64 52.3 45.0 67.4
63 27.7 23.0 34.6





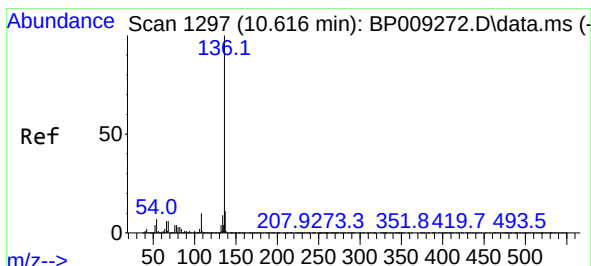
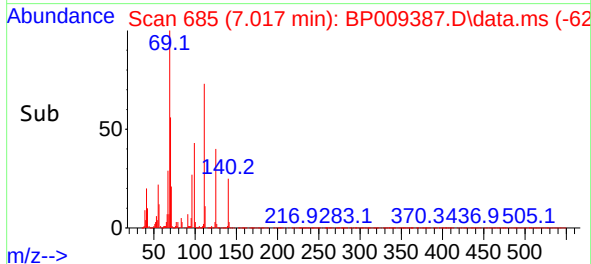
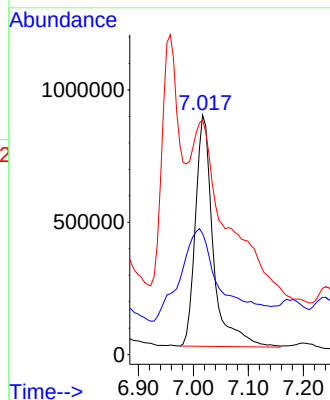
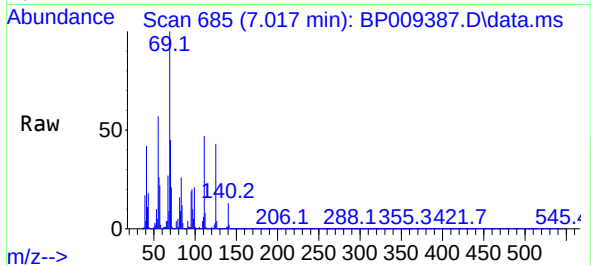
Phenol-d6
Concen: 99.360 ng
RT: 7.017 min Scan# 61
Delta R.T. 0.030 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

Instrument :
BNA_P
ClientSampleId :
WC-8-9-2

Tgt Ion: 99 Resp: 196678
Ion Ratio Lower Upper
99 100
42 50.5 12.8 19.2
71 97.9 26.3 39.5

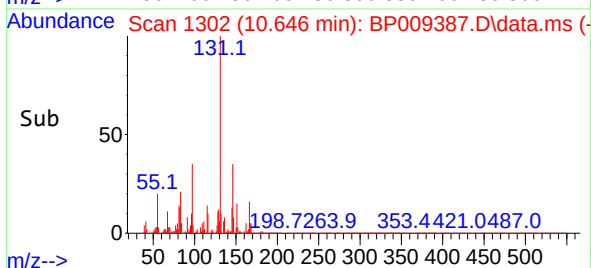
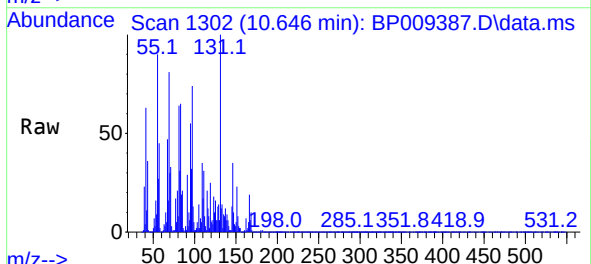
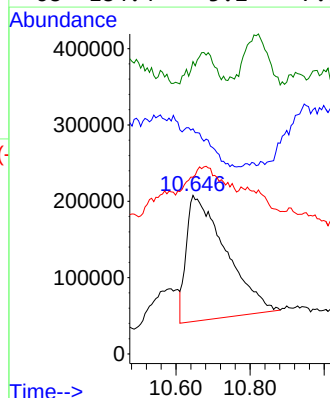
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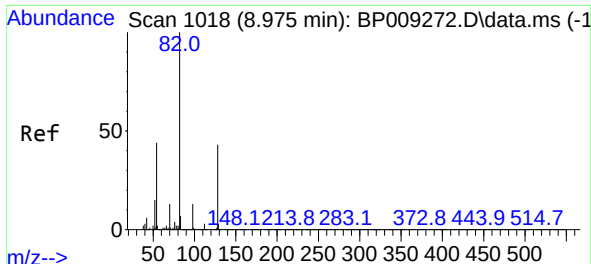
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.646 min Scan# 1302
Delta R.T. 0.030 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

Tgt Ion:136 Resp: 1209943
Ion Ratio Lower Upper
136 100
137 142.1 8.6 12.8#
54 111.6 5.8 8.8#
68 184.4 5.2 7.8#





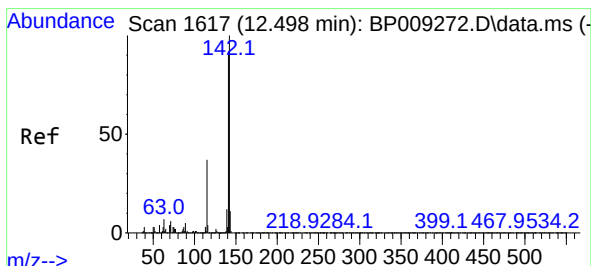
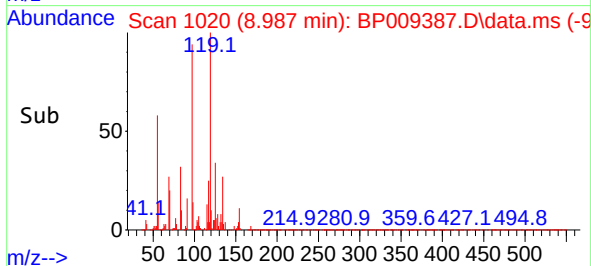
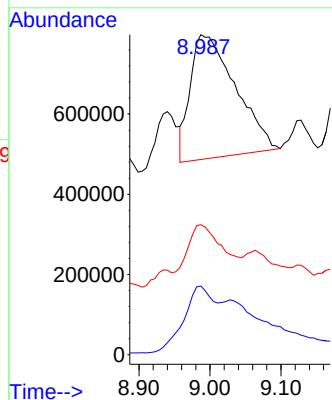
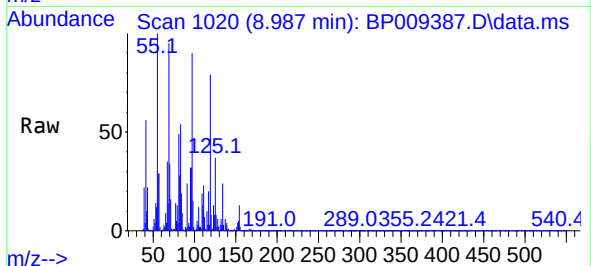
#23
Nitrobenzene-d5
Concen: 62.066 ng
RT: 8.987 min Scan# 1018
Delta R.T. 0.012 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

Instrument :
BNA_P
ClientSampleId :
WC-8-9-2

Tgt Ion: 82 Resp: 136344
Ion Ratio Lower Upper
82 100
128 21.4 34.2 51.4
54 40.6 34.7 52.1

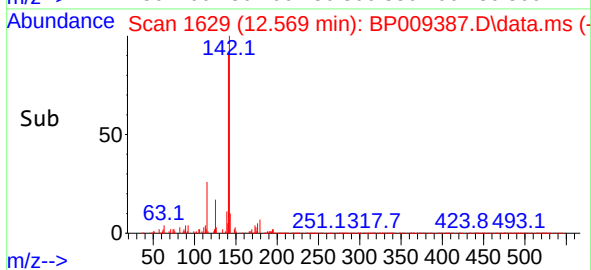
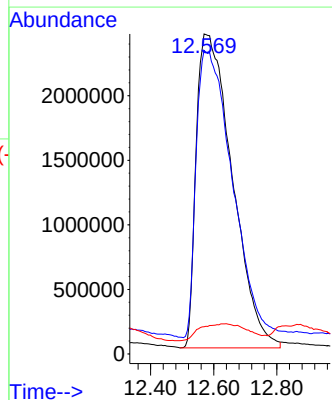
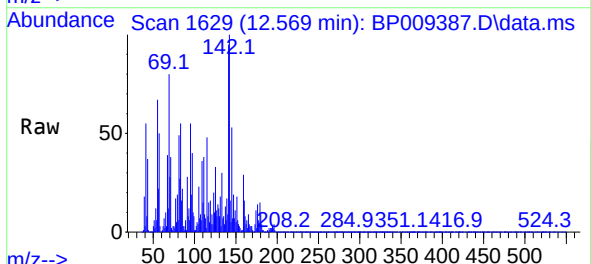
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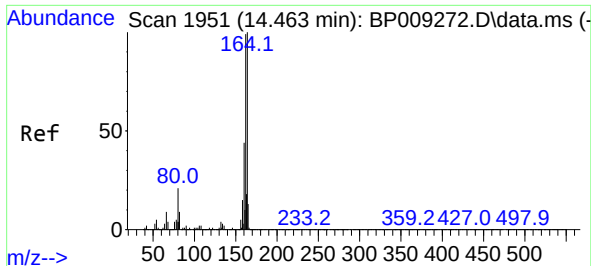
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022



#38
1-Methylnaphthalene
Concen: 438.199 ng
RT: 12.569 min Scan# 1629
Delta R.T. 0.071 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

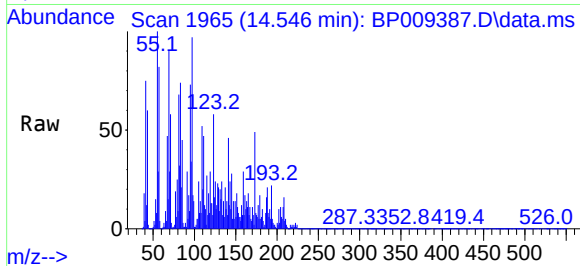
Tgt Ion:142 Resp:19212522
Ion Ratio Lower Upper
142 100
141 94.9 73.5 110.3
116 8.5 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.546 min Scan# 1951
Delta R.T. 0.083 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

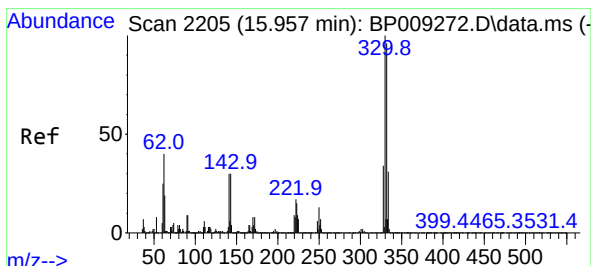
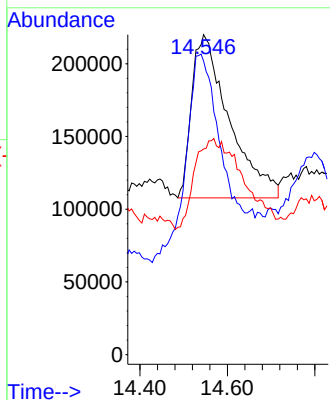
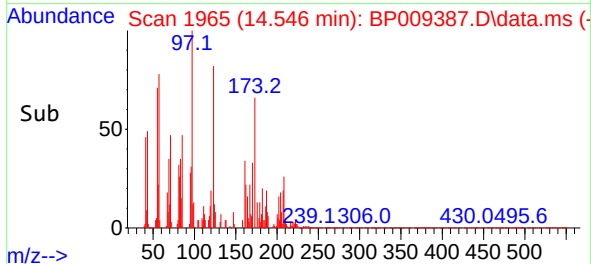
Instrument :
BNA_P
ClientSampleId :
WC-8-9-2



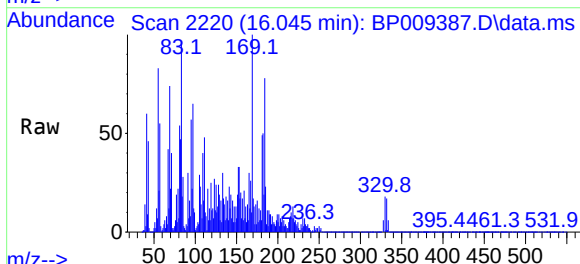
Tgt Ion:164 Resp: 668098
Ion Ratio Lower Upper
164 100
162 91.7 79.1 118.7
160 64.3 34.9 52.3

Manual Integrations
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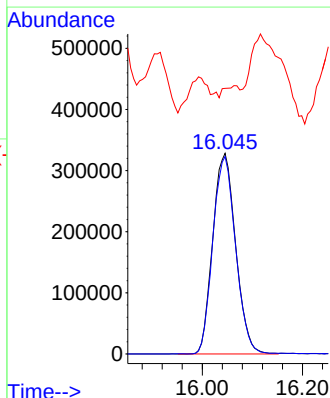
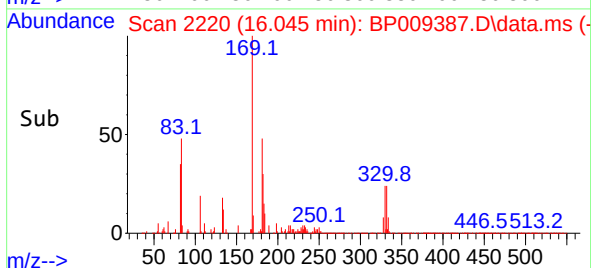
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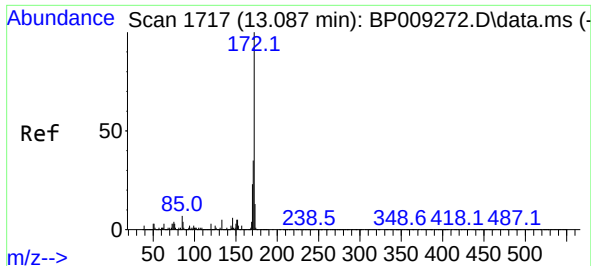


#42
2,4,6-Tribromophenol
Concen: 129.145 ng
RT: 16.045 min Scan# 2220
Delta R.T. 0.088 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00



Tgt Ion:330 Resp: 1041853
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 3.9 27.6 41.4





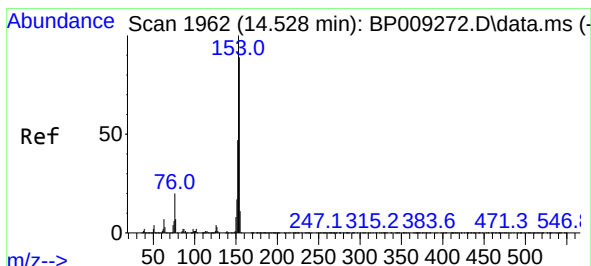
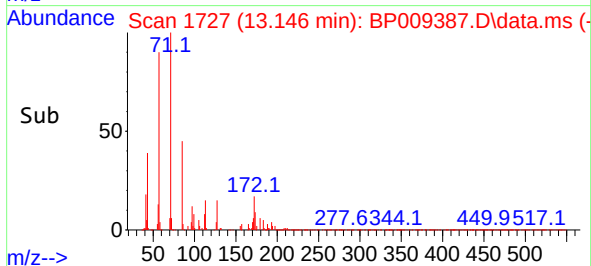
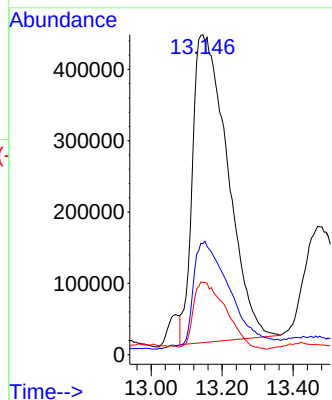
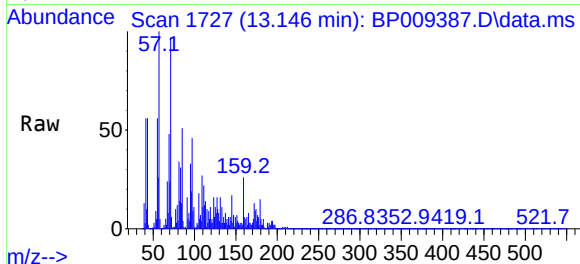
#45
2-Fluorobiphenyl
Concen: 60.823 ng
RT: 13.146 min Scan# 1727
Delta R.T. 0.059 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

Instrument :
BNA_P
ClientSampleId :
WC-8-9-2

Tgt Ion:172 Resp: 295489
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 22.7 18.6 27.8

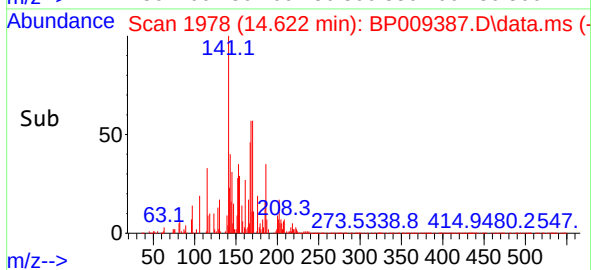
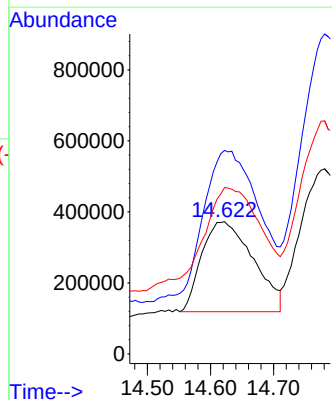
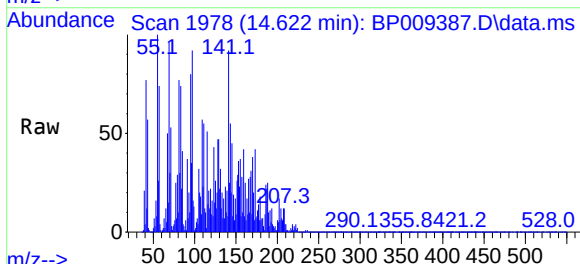
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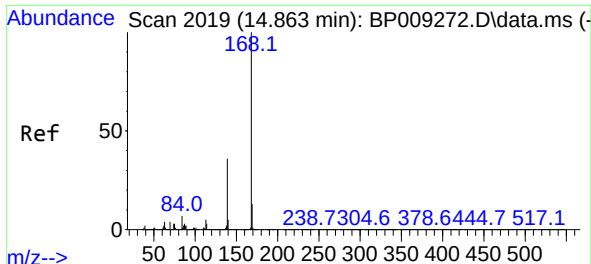
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022



#52
Acenaphthene
Concen: 35.139 ng
RT: 14.622 min Scan# 1978
Delta R.T. 0.094 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

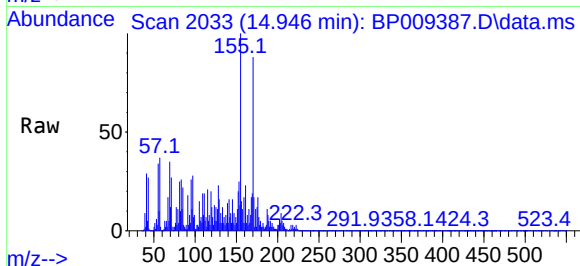
Tgt Ion:154 Resp: 1437659
Ion Ratio Lower Upper
154 100
153 153.7 90.2 135.4#
152 125.7 42.7 64.1#





#55
Dibenzenofuran
Concen: 48.975 ng
RT: 14.946 min Scan# 2019
Delta R.T. 0.082 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

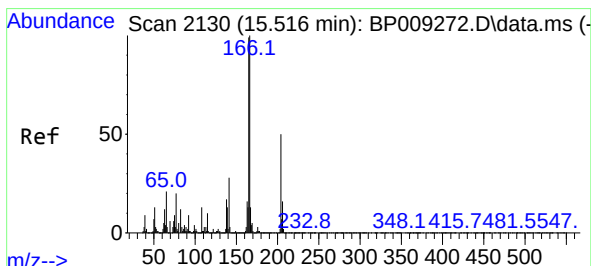
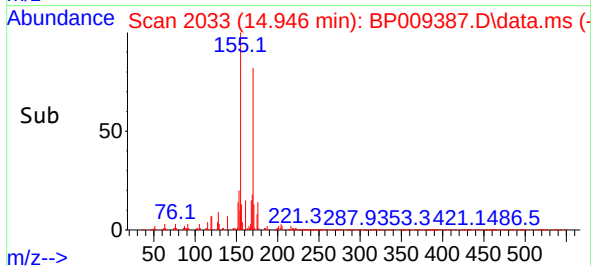
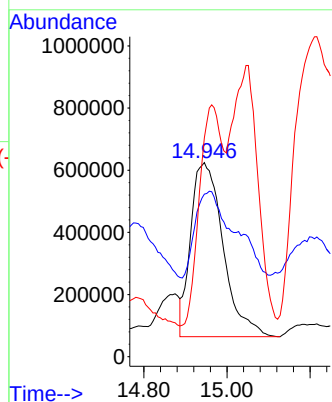
Instrument :
BNA_P
ClientSampleId :
WC-8-9-2



Tgt Ion:168 Resp: 3035340
Ion Ratio Lower Upper
168 100
139 83.7 29.1 43.7
169 112.7 10.6 16.0

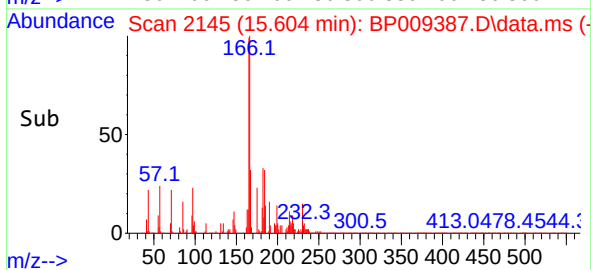
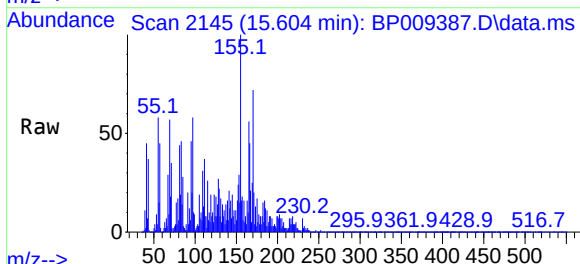
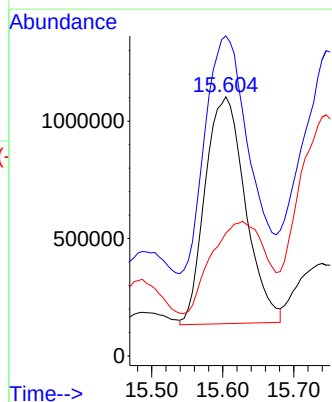
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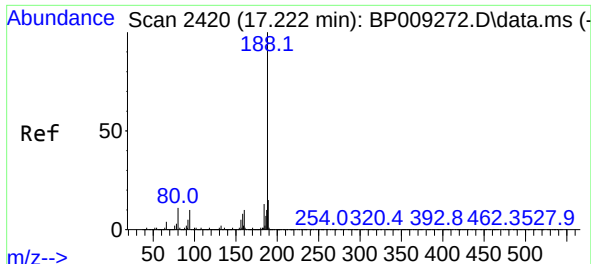
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022



#58
Fluorene
Concen: 78.290 ng
RT: 15.604 min Scan# 2145
Delta R.T. 0.088 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

Tgt Ion:166 Resp: 3799770
Ion Ratio Lower Upper
166 100
165 123.5 79.2 118.8#
167 47.4 10.7 16.1#





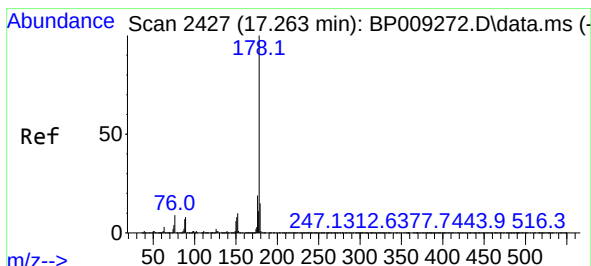
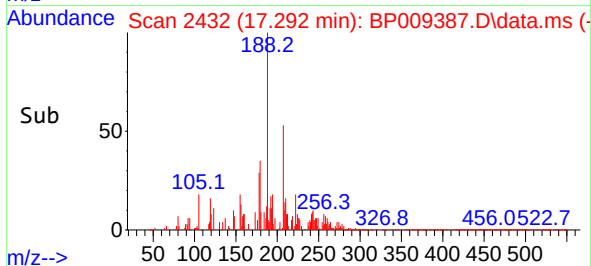
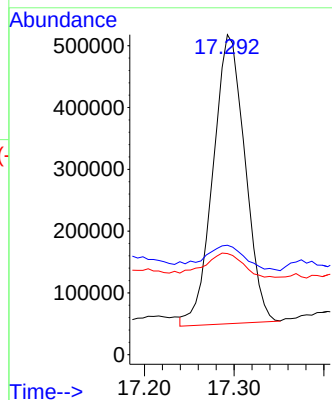
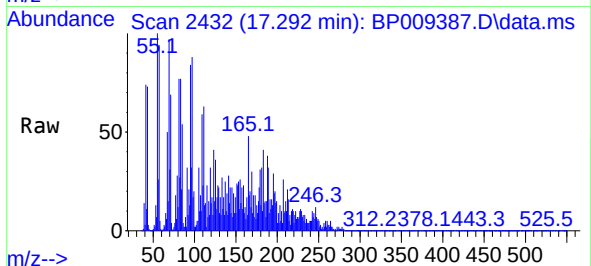
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.292 min Scan# 2432
Delta R.T. 0.071 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

Instrument :
BNA_P
ClientSampleId :
WC-8-9-2

Tgt Ion:188 Resp: 115404
Ion Ratio Lower Upper
188 100
94 34.2 7.9 11.9
80 31.6 8.8 13.2

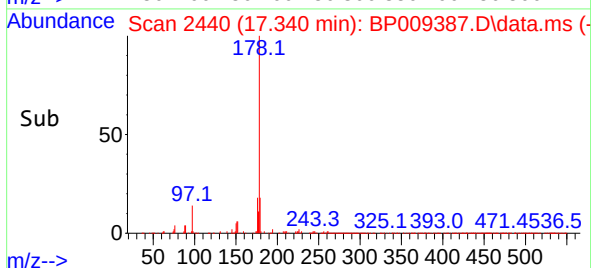
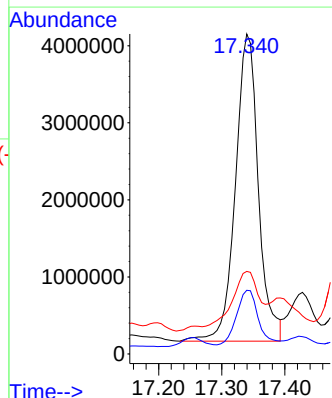
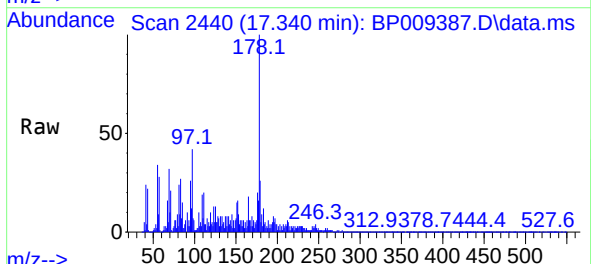
Manual Integrations
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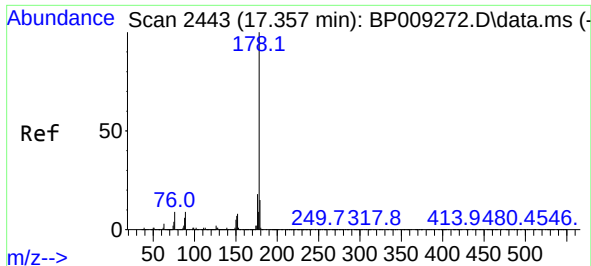
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022



#71
Phenanthrene
Concen: 152.013 ng
RT: 17.340 min Scan# 2440
Delta R.T. 0.077 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

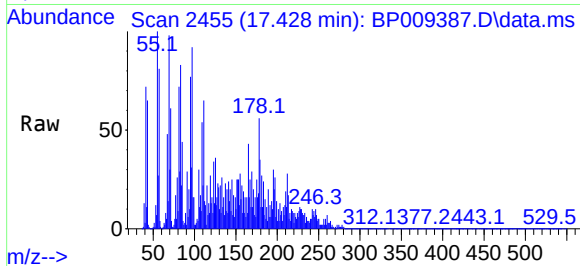
Tgt Ion:178 Resp:10082049
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 25.8 12.3 18.5





#72
 Anthracene
 Concen: 12.346 ng
 RT: 17.428 min Scan# 2443
 Delta R.T. 0.071 min
 Lab File: BP009387.D
 Acq: 14 Mar 2022 18:00

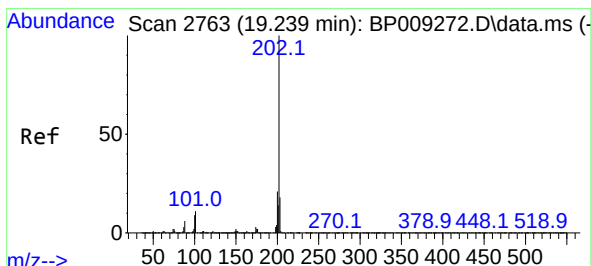
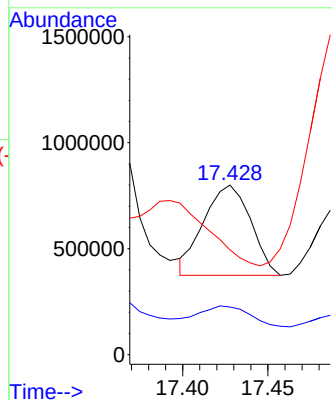
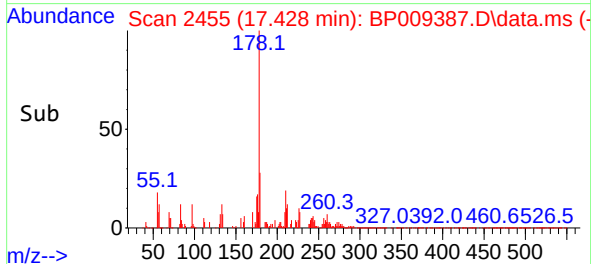
Instrument :
 BNA_P
 ClientSampleId :
 WC-8-9-2



Tgt Ion:178 Resp: 815024
 Ion Ratio Lower Upper
 178 100
 176 28.1 14.8 22.2
 179 61.8 12.2 18.4

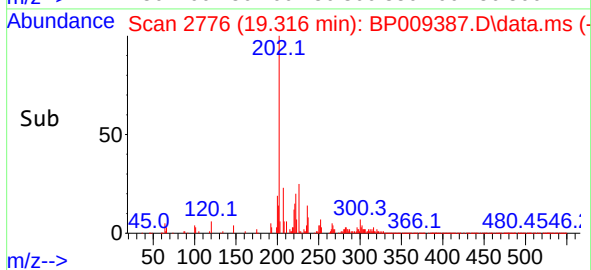
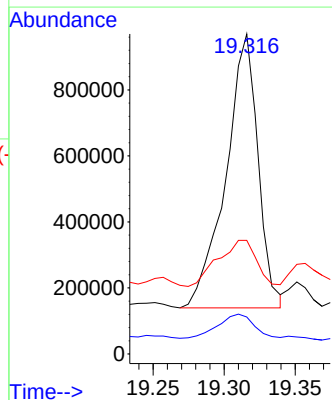
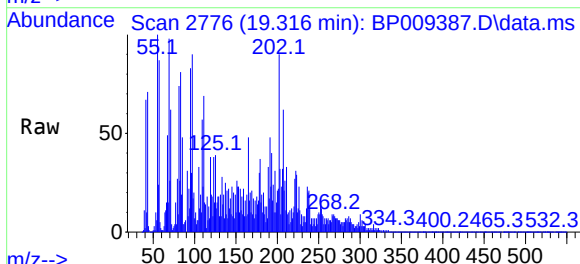
Manual Integrations
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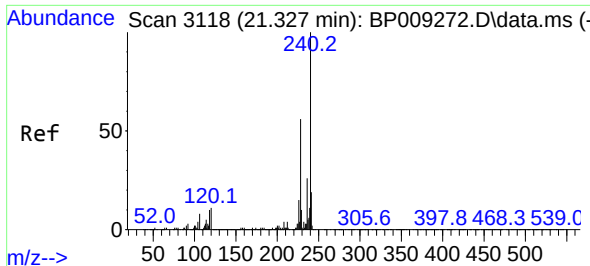
Reviewed By :Christian Giraldo 03/15/2022
 Supervised By :mohammad ahmed 03/16/2022



#75
 Fluoranthene
 Concen: 17.124 ng
 RT: 19.316 min Scan# 2776
 Delta R.T. 0.077 min
 Lab File: BP009387.D
 Acq: 14 Mar 2022 18:00

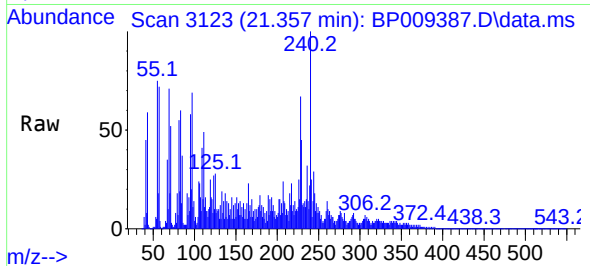
Tgt Ion:202 Resp: 1310908
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 31.5
 203 35.5 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.357 min Scan# 3118
Delta R.T. 0.030 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

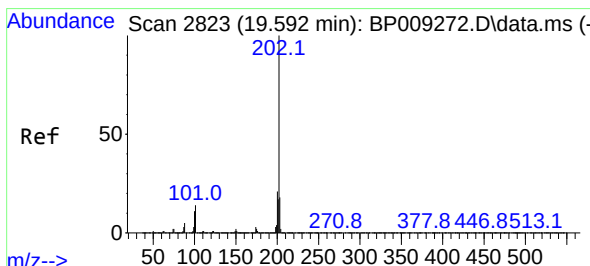
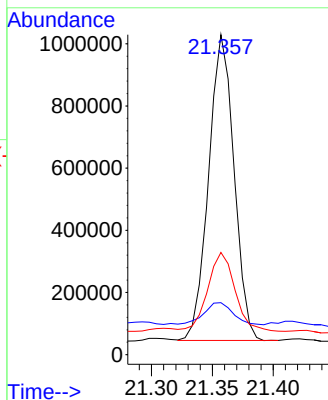
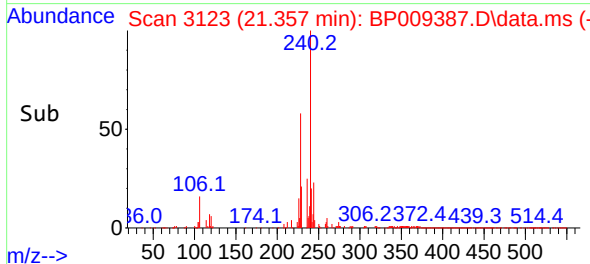
Instrument :
BNA_P
ClientSampleId :
WC-8-9-2



Tgt Ion:240 Resp: 142529
Ion Ratio Lower Upper
240 100
120 16.2 9.0 13.4
236 32.0 20.6 30.8

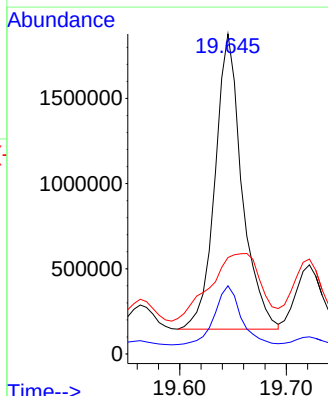
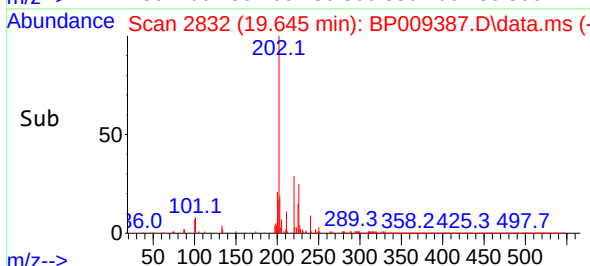
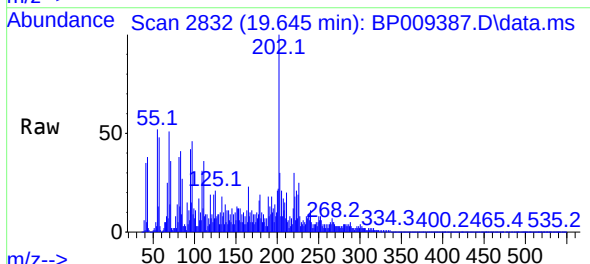
Manual Integrations
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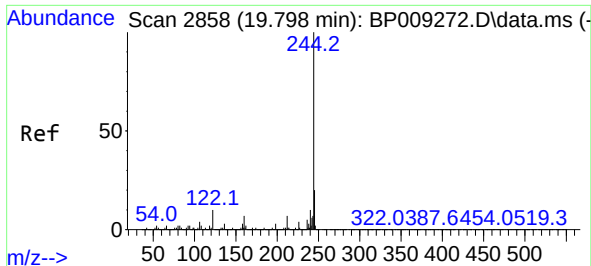
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022



#78
Pyrene
Concen: 31.682 ng
RT: 19.645 min Scan# 2832
Delta R.T. 0.053 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

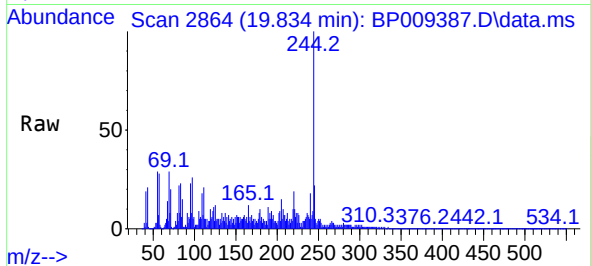
Tgt Ion:202 Resp: 3048860
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 30.2 14.2 21.4





#79
 Terphenyl-d14
 Concen: 59.859 ng
 RT: 19.834 min Scan# 21
 Delta R.T. 0.036 min
 Lab File: BP009387.D
 Acq: 14 Mar 2022 18:00

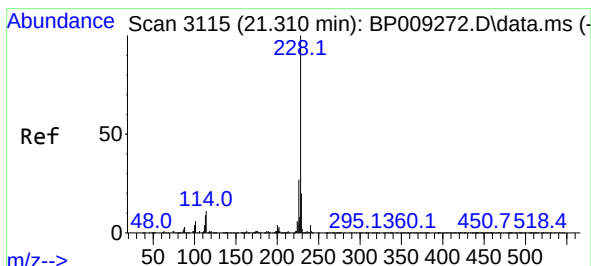
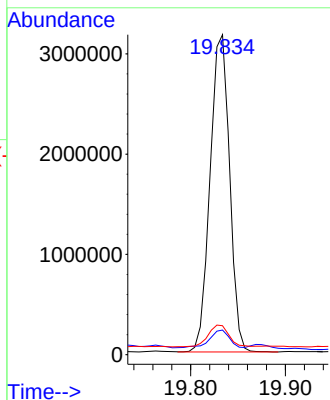
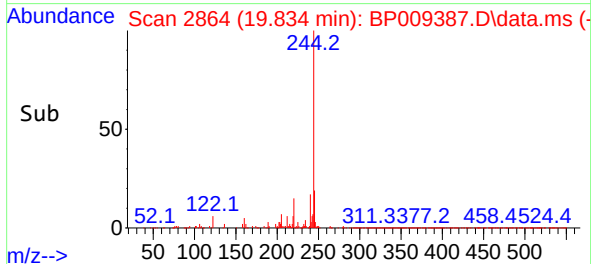
Instrument :
 BNA_P
 ClientSampleId :
 WC-8-9-2



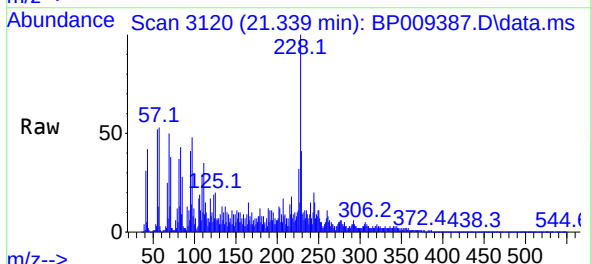
Tgt Ion:244 Resp: 452096
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.6
 122 9.0 8.3 12.5

Manual Integrations
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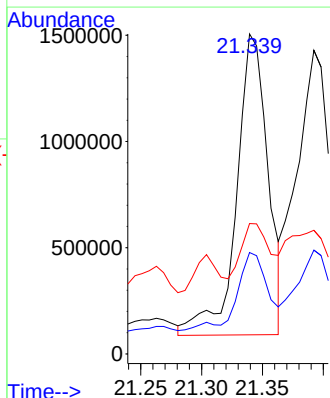
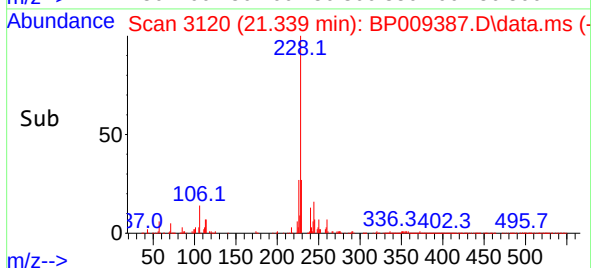
Reviewed By :Christian Giraldo 03/15/2022
 Supervised By :mohammad ahmed 03/16/2022

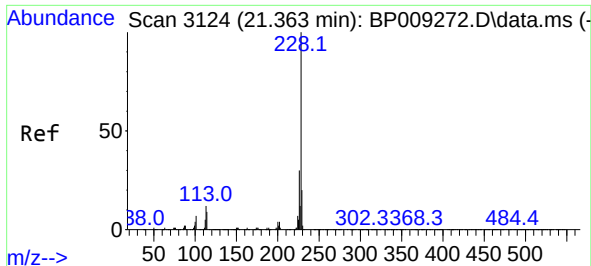


#81
 Benzo(a)anthracene
 Concen: 26.335 ng
 RT: 21.339 min Scan# 3120
 Delta R.T. 0.030 min
 Lab File: BP009387.D
 Acq: 14 Mar 2022 18:00



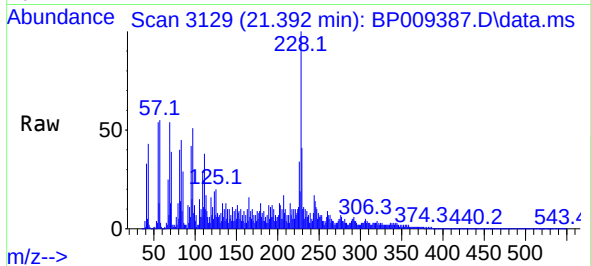
Tgt Ion:228 Resp: 2544122
 Ion Ratio Lower Upper
 228 100
 226 31.7 22.0 33.0
 229 40.7 16.1 24.1#





#83
Chrysene
Concen: 28.947 ng
RT: 21.392 min Scan# 3124
Delta R.T. 0.030 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

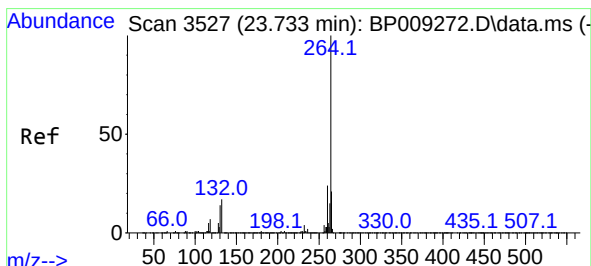
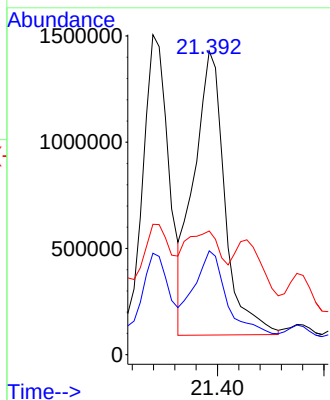
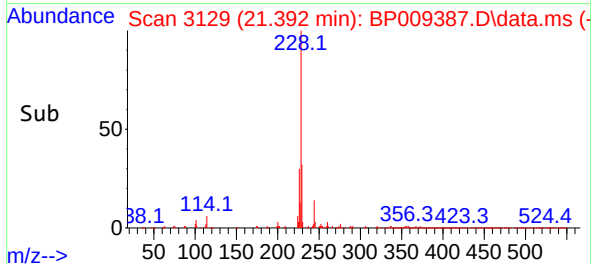
Instrument :
BNA_P
ClientSampleId :
WC-8-9-2



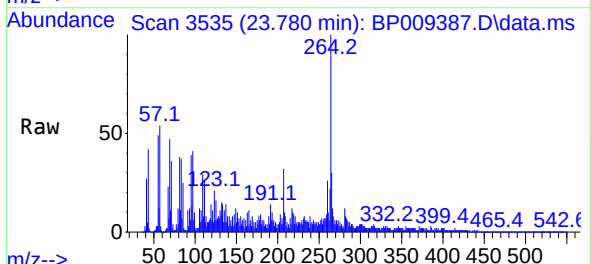
Tgt Ion:228 Resp: 2715088
Ion Ratio Lower Upper
228 100
226 34.2 24.2 36.2
229 40.7 16.1 24.1

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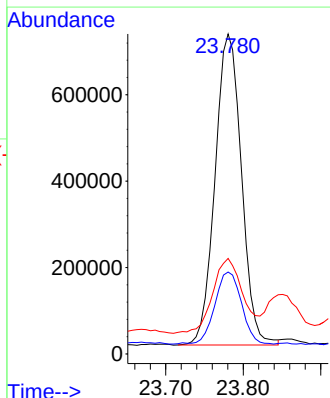
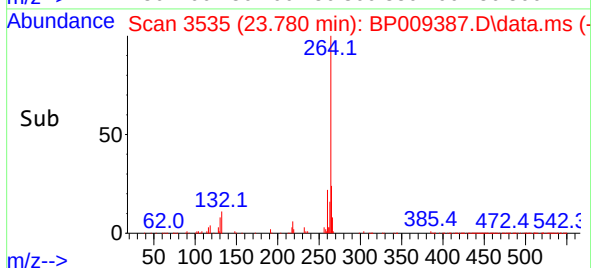
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022

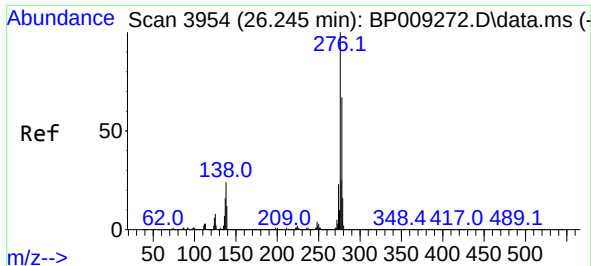


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.780 min Scan# 3535
Delta R.T. 0.047 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00



Tgt Ion:264 Resp: 1704068
Ion Ratio Lower Upper
264 100
260 25.6 19.4 29.0
265 29.9 17.2 25.8





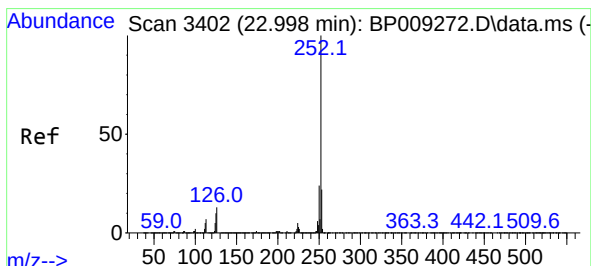
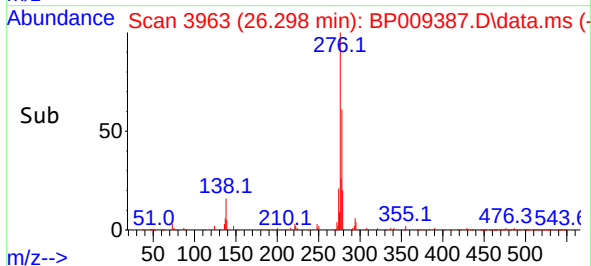
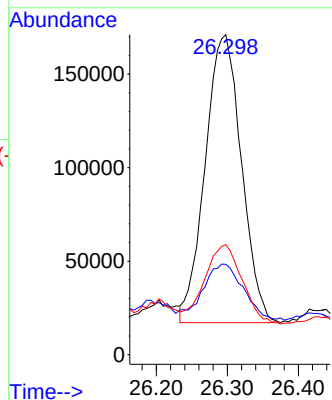
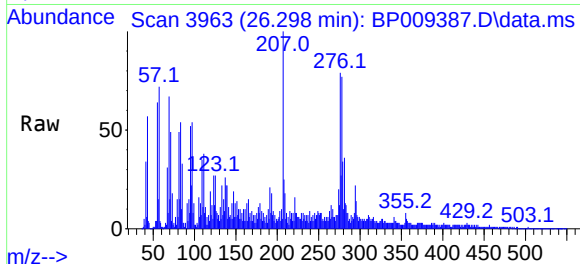
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.122 ng
RT: 26.298 min Scan# 3963
Delta R.T. 0.053 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

Instrument :
BNA_P
ClientSampleId :
WC-8-9-2

Tgt Ion:276 Resp: 545702
Ion Ratio Lower Upper
276 100
138 21.5 20.5 30.7
277 28.3 20.4 30.6

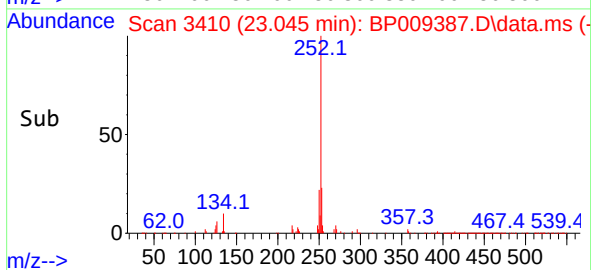
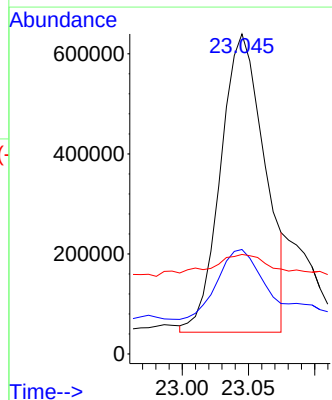
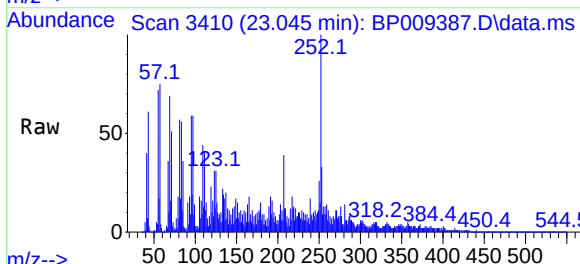
Manual Integrations
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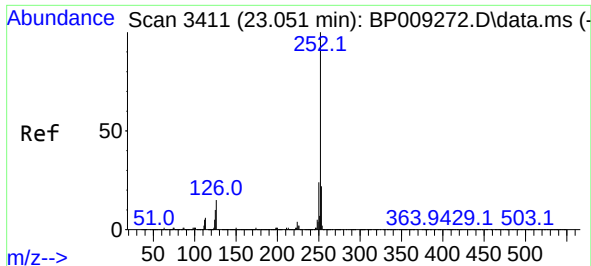
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022



#88
Benzo(b)fluoranthene
Concen: 12.052 ng m
RT: 23.045 min Scan# 3410
Delta R.T. 0.047 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

Tgt Ion:252 Resp: 1386699
Ion Ratio Lower Upper
252 100
253 32.6 17.8 26.8#
125 31.1 8.1 12.1#





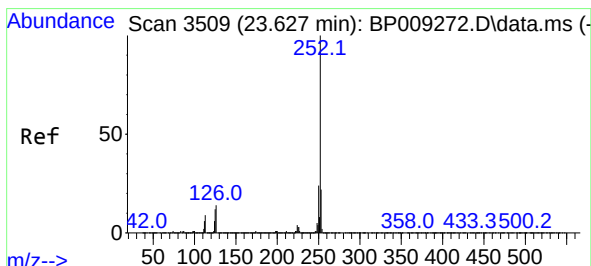
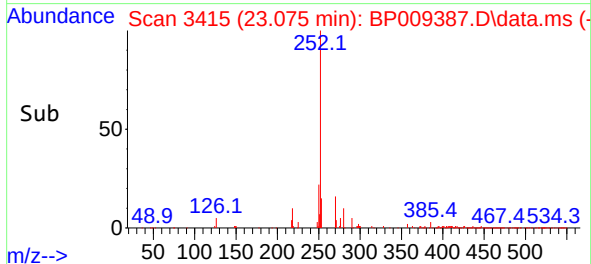
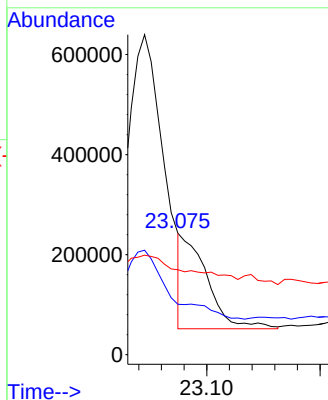
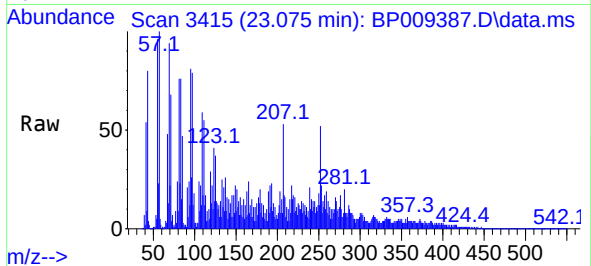
#89
Benzo(k)fluoranthene
Concen: 2.697 ng m
RT: 23.075 min Scan# 3411
Delta R.T. 0.024 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

Instrument :
BNA_P
ClientSampleId :
WC-8-9-2

Tgt Ion:252 Resp: 29645
Ion Ratio Lower Upper
252 100
253 41.5 17.5 26.3
125 69.9 8.3 12.5

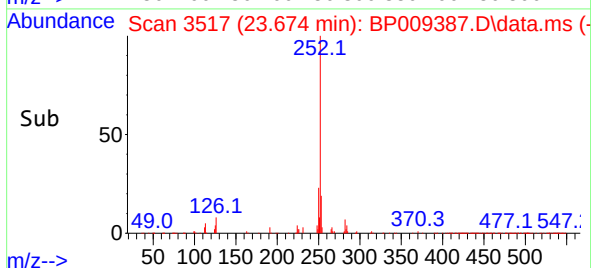
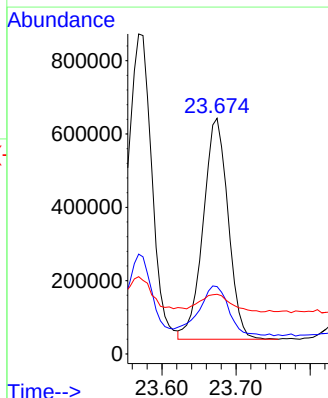
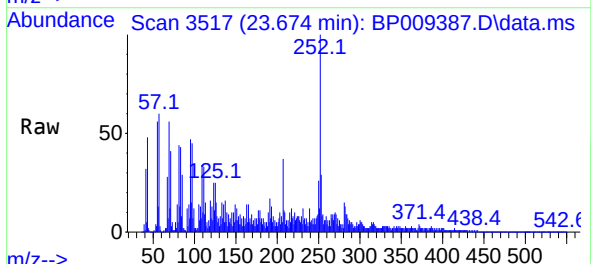
Manual Integrations
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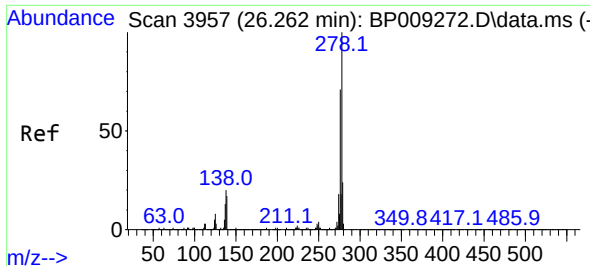
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022



#90
Benzo(a)pyrene
Concen: 12.883 ng
RT: 23.674 min Scan# 3517
Delta R.T. 0.047 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

Tgt Ion:252 Resp: 1405847
Ion Ratio Lower Upper
252 100
253 28.6 17.8 26.6#
125 25.3 9.3 13.9#





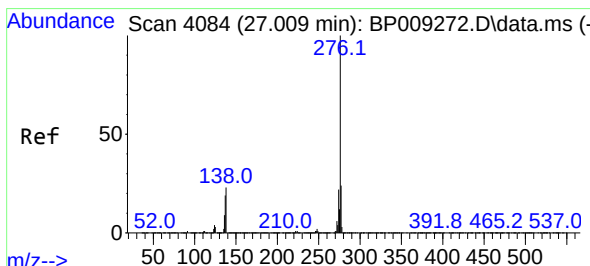
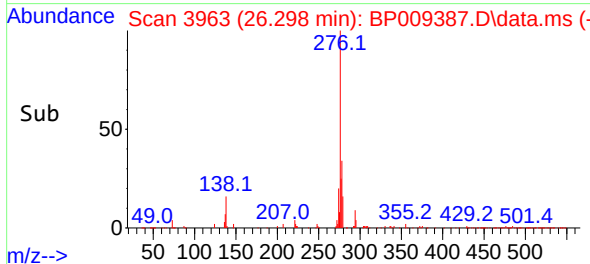
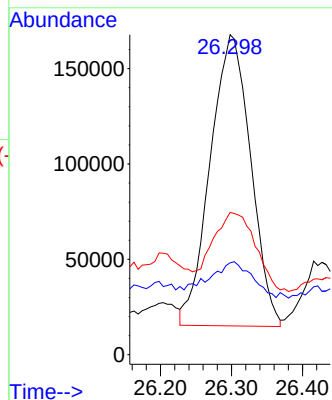
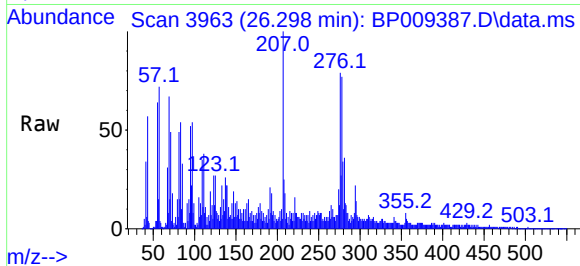
#91
Dibenzo(a,h)anthracene
Concen: 5.373 ng
RT: 26.298 min Scan# 3957
Delta R.T. 0.035 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

Instrument :
BNA_P
ClientSampleId :
WC-8-9-2

Tgt Ion:278 Resp: 60322
Ion Ratio Lower Upper
278 100
139 28.7 13.2 19.8
279 44.5 19.2 28.8

Manual Integrations
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Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022



#92
Benzo(g,h,i)perylene
Concen: 6.653 ng
RT: 27.063 min Scan# 4093
Delta R.T. 0.053 min
Lab File: BP009387.D
Acq: 14 Mar 2022 18:00

Tgt Ion:276 Resp: 737889
Ion Ratio Lower Upper
276 100
277 29.0 19.2 28.8
138 21.4 18.0 27.0

