

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032422\
 Data File : BM034375.D
 Acq On : 24 Mar 2022 22:53
 Operator : CG/JU
 Sample : N2077-03 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-14A-4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/25/2022
 Supervised By : Jagrut Upadhyay 03/25/2022

Quant Time: Mar 25 01:11:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 02:40:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.942	152	226660	20.00	ng	0.00
21) Naphthalene-d8	10.754	136	887177	20.00	ng	# 0.00
39) Acenaphthene-d10	14.583	164	494564	20.00	ng	0.00
64) Phenanthrene-d10	17.324	188	806629	20.00	ng	0.00
76) Chrysene-d12	21.500	240	713989	20.00	ng	# 0.00
86) Perylene-d12	23.930	264	818294	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.495	112	101138	8.00	ng	0.00
7) Phenol-d6	7.101	99	124404	6.88	ng	0.00
23) Nitrobenzene-d5	9.101	82	150747	8.27	ng	0.00
42) 2,4,6-Tribromophenol	16.065	330	40353	6.05	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	187417	5.18	ng	0.00
79) Terphenyl-d14	19.942	244	199901	4.86	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.413	142	125279	3.80	ng	# 94
38) 1-Methylnaphthalene	12.630	142	94669	2.93	ng	# 91
71) Phenanthrene	17.365	178	102338	2.27	ng	# 87
78) Pyrene	19.742	202	153133	3.04	ng	# 93
81) Benzo(a)anthracene	21.483	228	472312	10.48	ng	# 92
83) Chrysene	21.536	228	768241	16.69	ng	# 94
88) Benzo(b)fluoranthene	23.188	252	388019m	7.93	ng	
90) Benzo(a)pyrene	23.818	252	361473	8.71	ng	# 73
91) Dibenzo(a,h)anthracene	26.465	278	214798	5.03	ng	# 56
92) Benzo(g,h,i)perylene	27.241	276	220839	5.00	ng	# 87

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

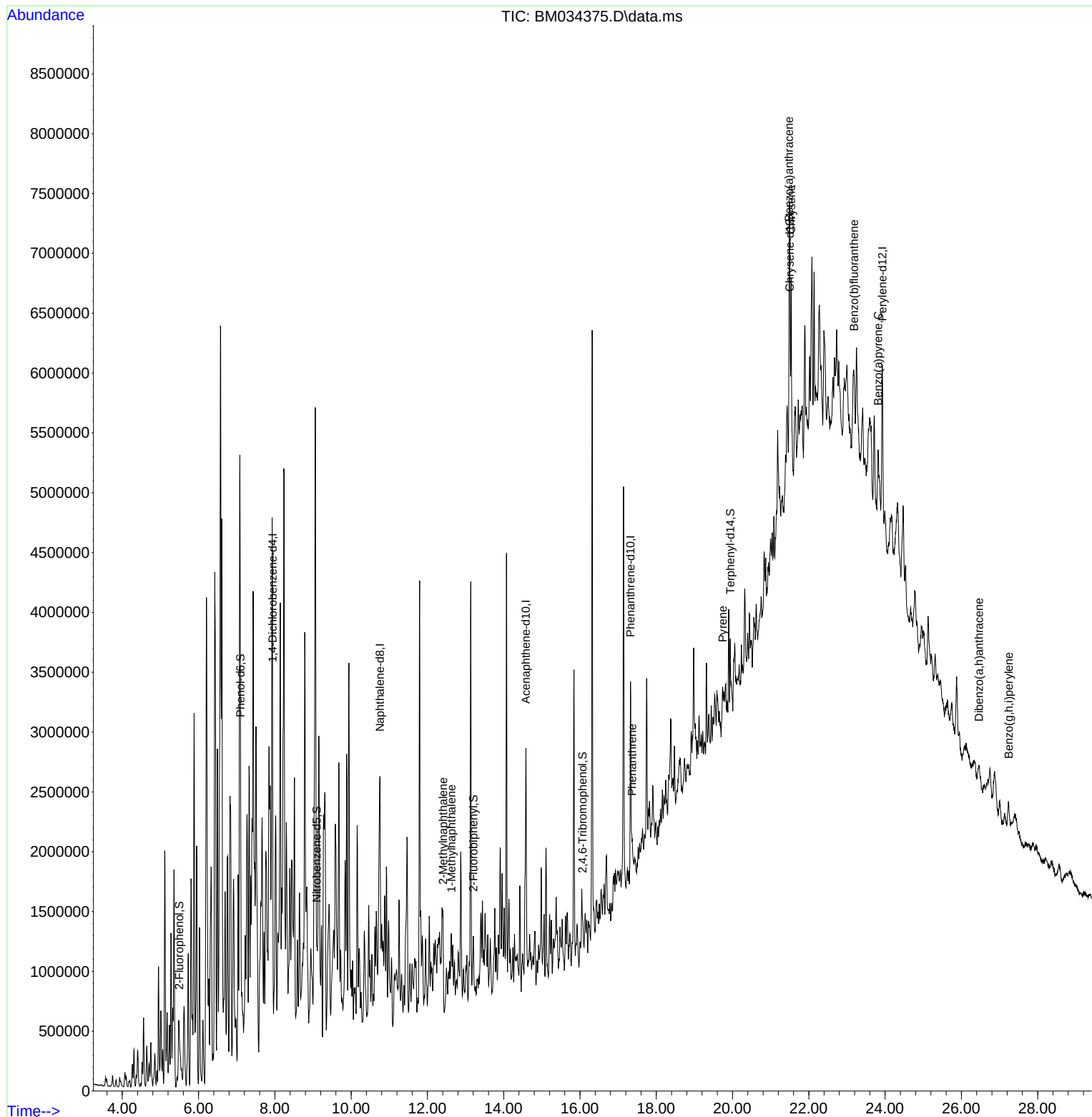
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032422\
Data File : BM034375.D
Acq On : 24 Mar 2022 22:53
Operator : CG/JU
Sample : N2077-03 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

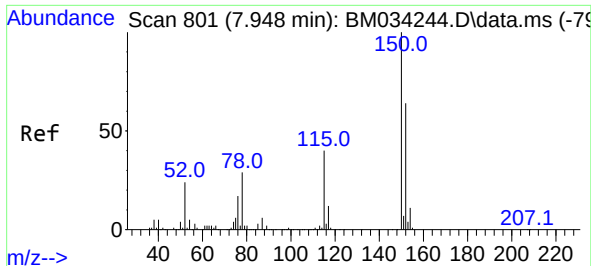
Instrument :
BNA_M
ClientSampleId :
WC-14A-4

Quant Time: Mar 25 01:11:12 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
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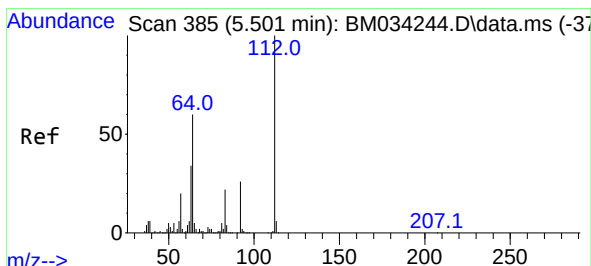
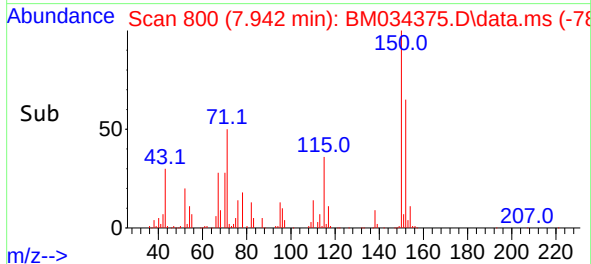
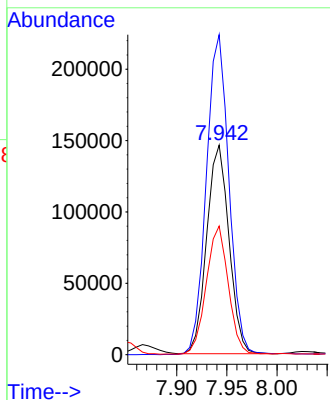
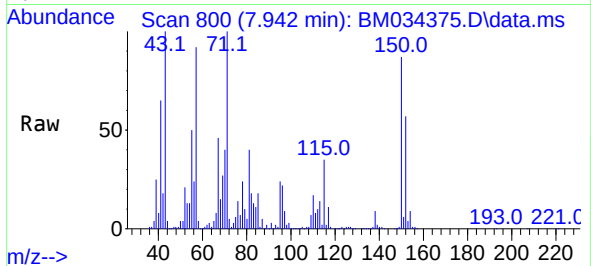
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.942 min Scan# 801
Delta R.T. 0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Instrument :
BNA_M
ClientSampleId :
WC-14A-4

Tgt Ion:152 Resp: 226660
Ion Ratio Lower Upper
152 100
150 152.7 125.4 188.2
115 61.4 50.1 75.1

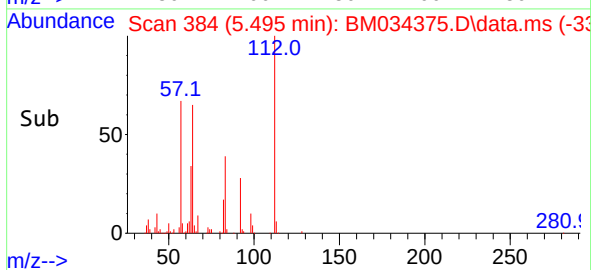
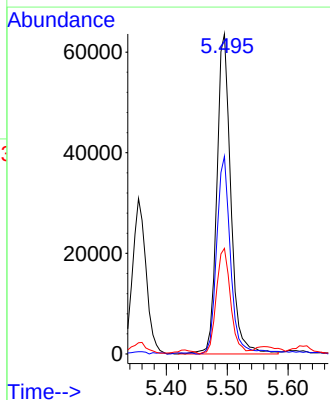
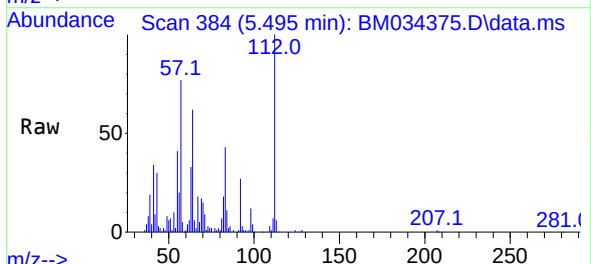
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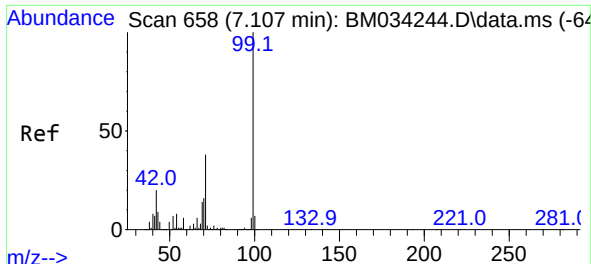
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#5
2-Fluorophenol
Concen: 8.00 ng
RT: 5.495 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

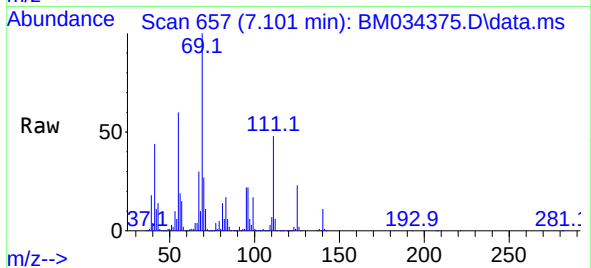
Tgt Ion:112 Resp: 101138
Ion Ratio Lower Upper
112 100
64 61.8 47.9 71.9
63 33.0 27.1 40.7





#7
Phenol-d6
Concen: 6.88 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

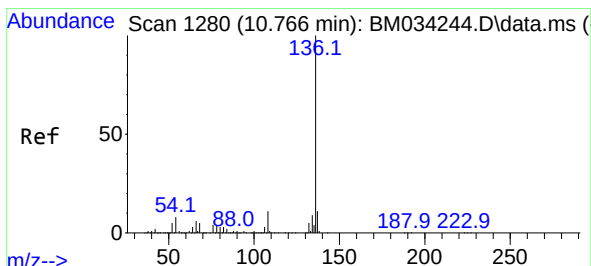
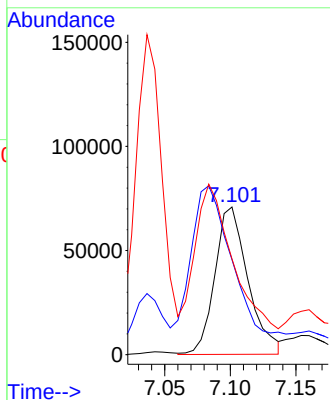
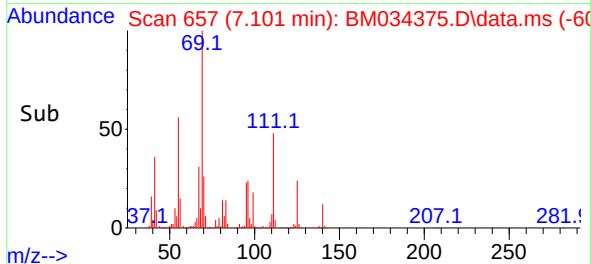
Instrument :
BNA_M
ClientSampleId :
WC-14A-4



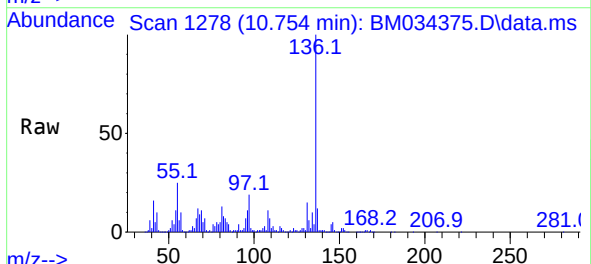
Tgt Ion: 99 Resp: 124404
Ion Ratio Lower Upper
99 100
42 64.3 15.6 23.4#
71 64.8 30.6 46.0#

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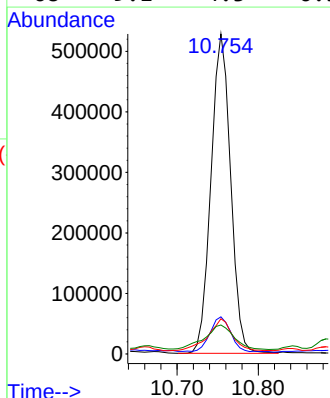
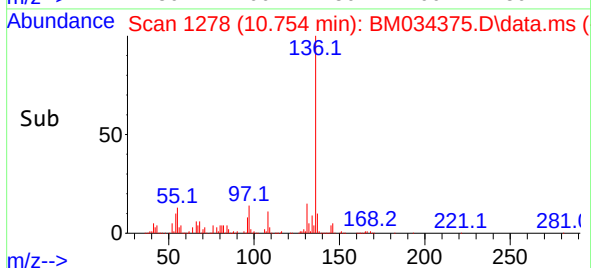
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

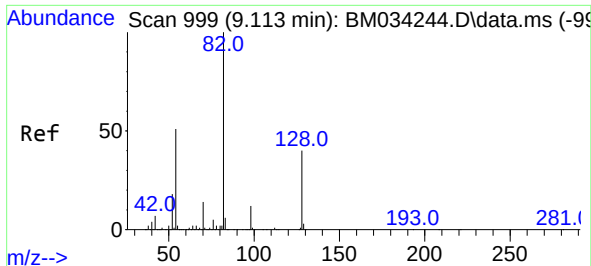


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.754 min Scan# 1278
Delta R.T. -0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53



Tgt Ion:136 Resp: 887177
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 11.0 6.2 9.4#
68 9.1 4.3 6.5#





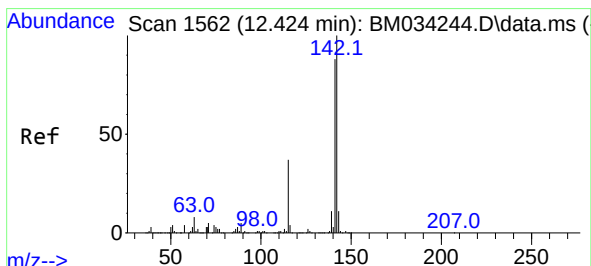
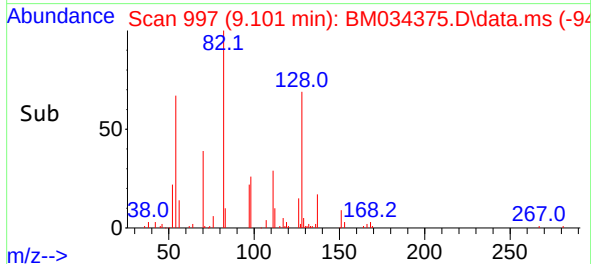
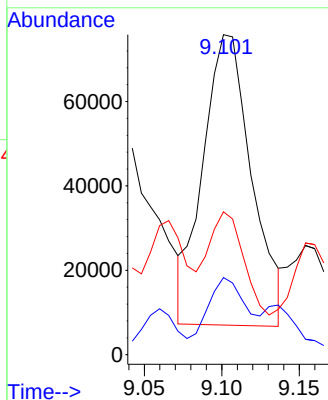
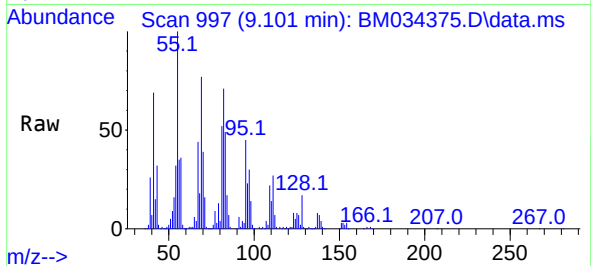
#23
Nitrobenzene-d5
Concen: 8.27 ng
RT: 9.101 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Instrument :
BNA_M
ClientSampleId :
WC-14A-4

Tgt Ion: 82 Resp: 15074
Ion Ratio Lower Upper
82 100
128 24.1 31.9 47.9
54 44.7 40.6 61.0

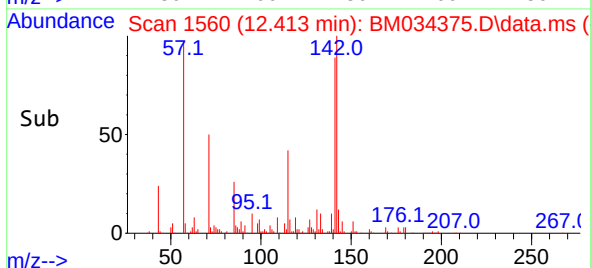
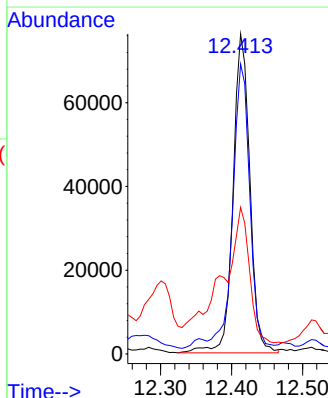
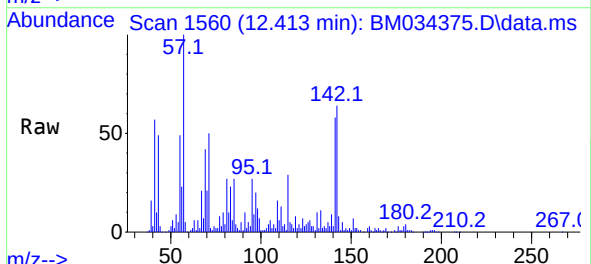
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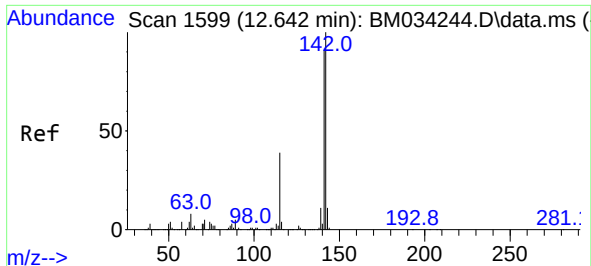
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#37
2-Methylnaphthalene
Concen: 3.80 ng
RT: 12.413 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

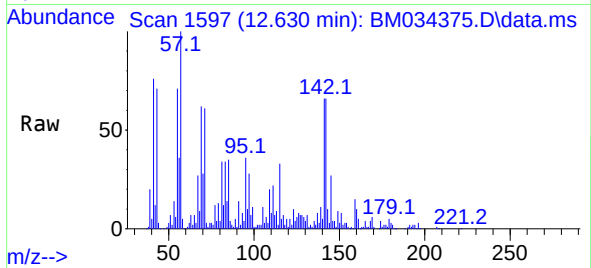
Tgt Ion:142 Resp: 125279
Ion Ratio Lower Upper
142 100
141 90.6 70.1 105.1
115 45.8 29.9 44.9





#38
1-Methylnaphthalene
Concen: 2.93 ng
RT: 12.630 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

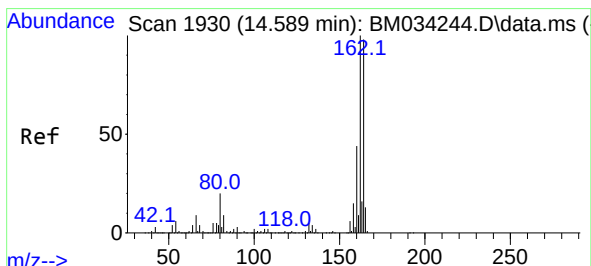
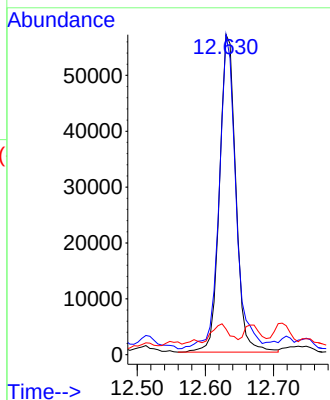
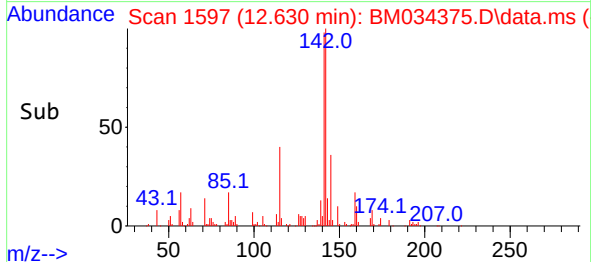
Instrument :
BNA_M
ClientSampleId :
WC-14A-4



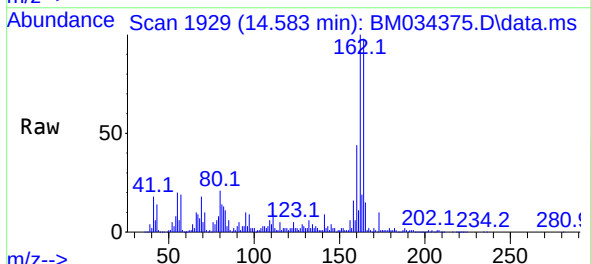
Tgt Ion:142 Resp: 9466
Ion Ratio Lower Upper
142 100
141 100.0 73.0 109.6
116 8.0 3.2 4.8

Manual Integrations
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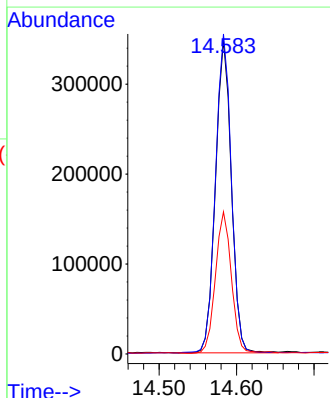
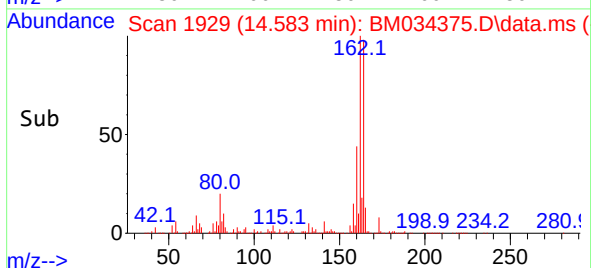
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

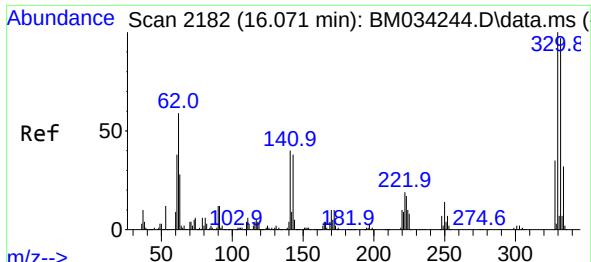


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.583 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53



Tgt Ion:164 Resp: 494564
Ion Ratio Lower Upper
164 100
162 102.0 81.6 122.4
160 45.3 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 6.05 ng
RT: 16.065 min Scan# 2182
Delta R.T. -0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Instrument :

BNA_M

ClientSampleId :

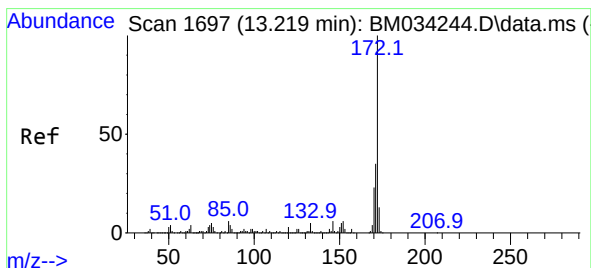
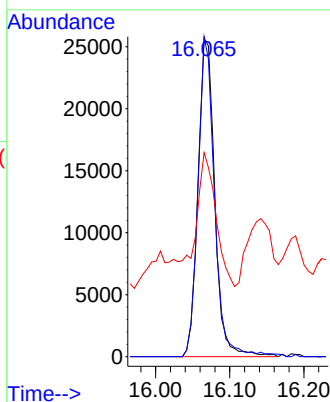
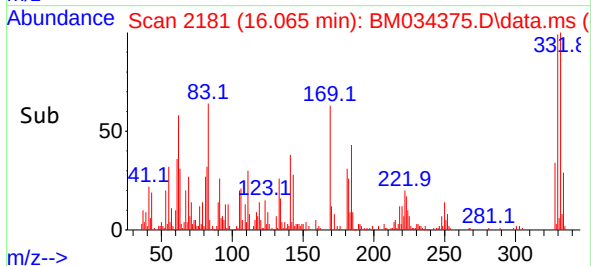
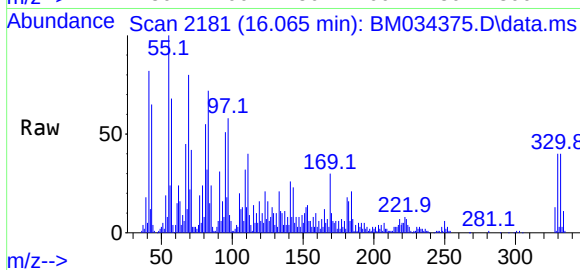
WC-14A-4

Tgt Ion:330 Resp: 4035
Ion Ratio Lower Upper
330 100
332 98.6 78.2 117.4
141 47.8 30.6 45.8

Manual Integrations

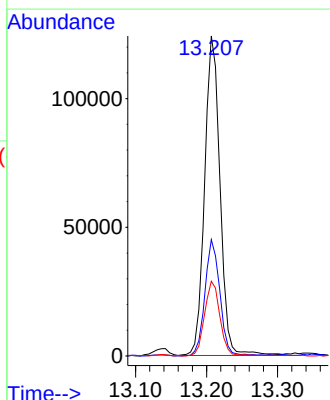
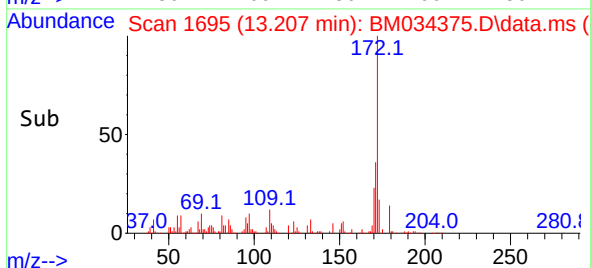
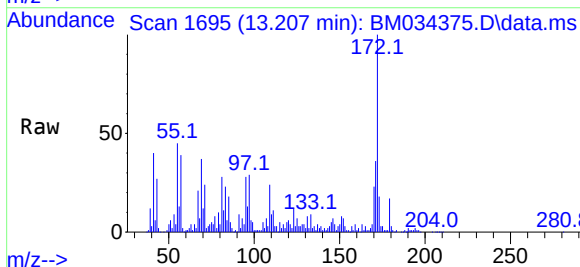
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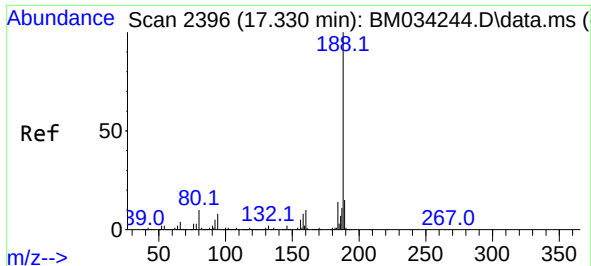
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#45
2-Fluorobiphenyl
Concen: 5.18 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

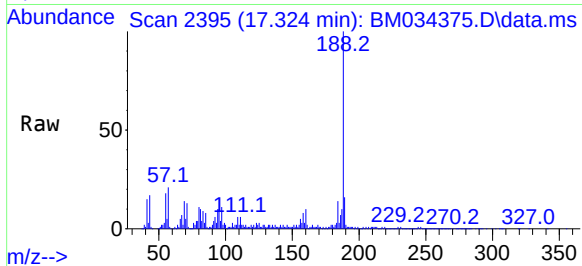
Tgt Ion:172 Resp: 187417
Ion Ratio Lower Upper
172 100
171 36.3 28.0 42.0
170 23.3 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.324 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

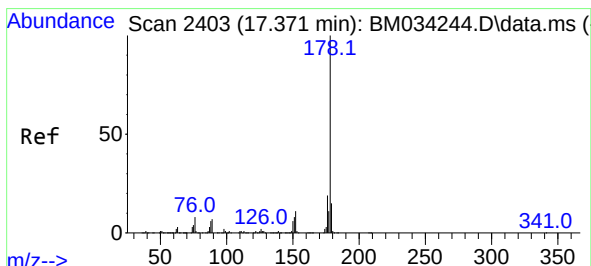
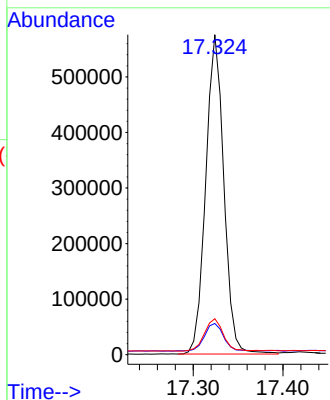
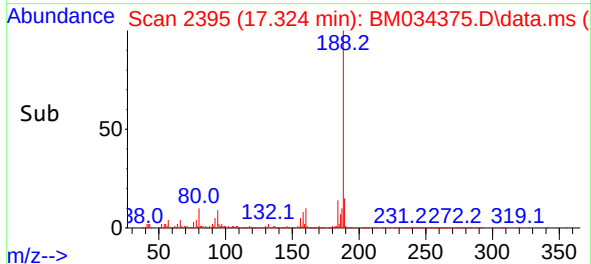
Instrument :
BNA_M
ClientSampleId :
WC-14A-4



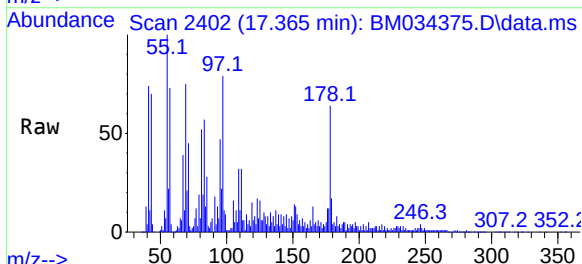
Tgt Ion:188 Resp: 806629
Ion Ratio Lower Upper
188 100
94 9.8 6.6 9.8
80 11.3 7.8 11.8

Manual Integrations
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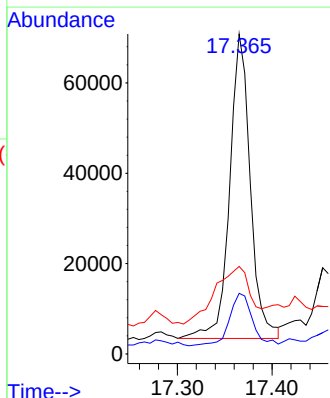
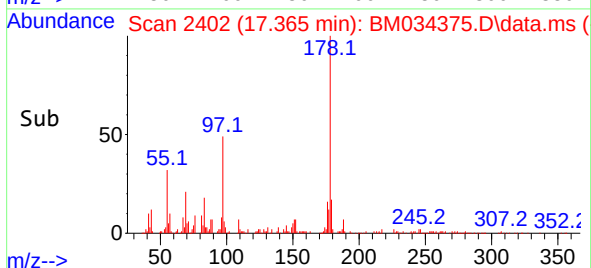
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

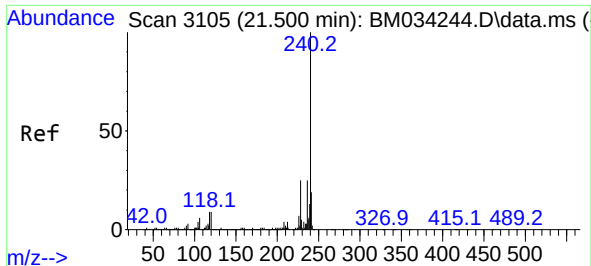


#71
Phenanthrene
Concen: 2.27 ng
RT: 17.365 min Scan# 2402
Delta R.T. -0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53



Tgt Ion:178 Resp: 102338
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 27.3 12.2 18.4#





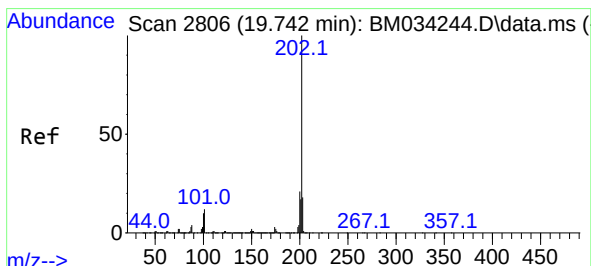
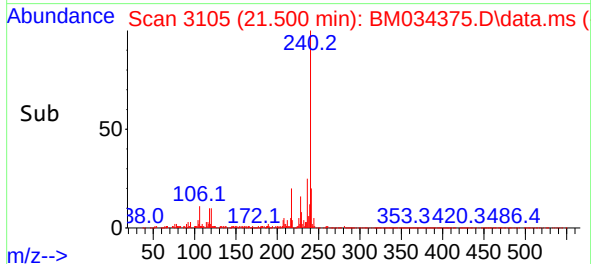
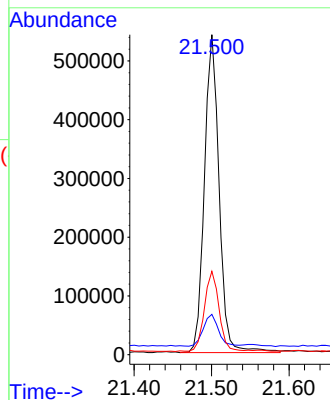
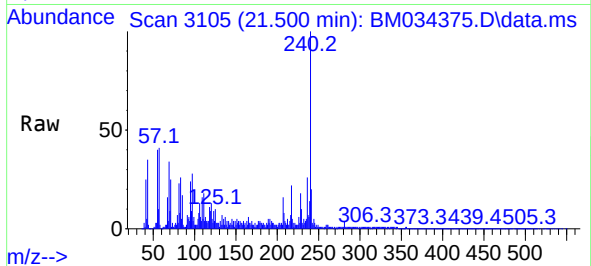
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.500 min Scan# 3105
Delta R.T. 0.006 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Instrument :
BNA_M
ClientSampleId :
WC-14A-4

Tgt Ion:240 Resp: 713989
Ion Ratio Lower Upper
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120 12.6 7.3 10.9
236 26.1 20.2 30.2

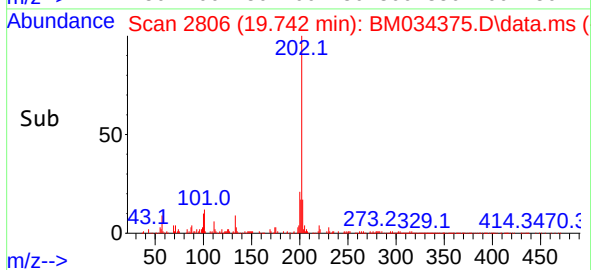
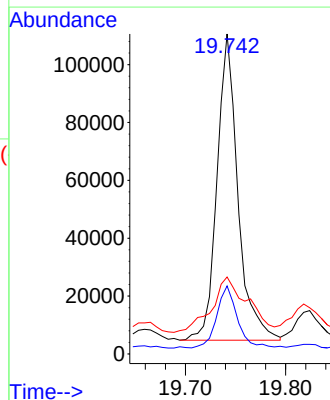
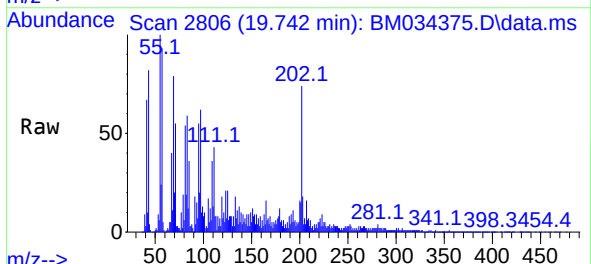
Manual Integrations
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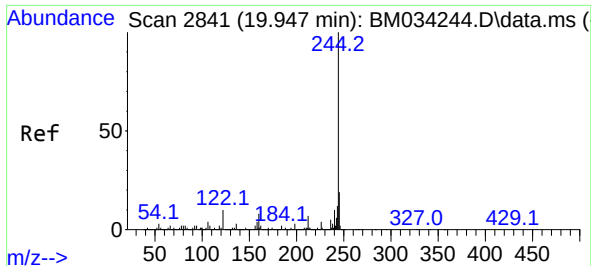
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#78
Pyrene
Concen: 3.04 ng
RT: 19.742 min Scan# 2806
Delta R.T. 0.006 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Tgt Ion:202 Resp: 153133
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 24.1 14.1 21.1#





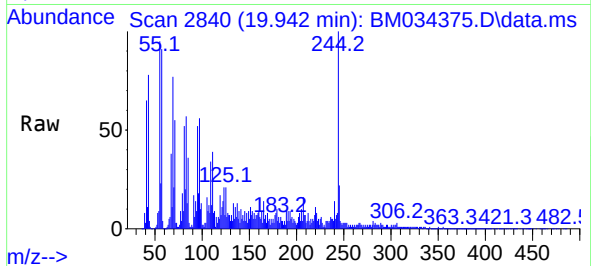
#79
 Terphenyl-d14
 Concen: 4.86 ng
 RT: 19.942 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BM034375.D
 Acq: 24 Mar 2022 22:53

Instrument :

BNA_M

ClientSampleId :

WC-14A-4

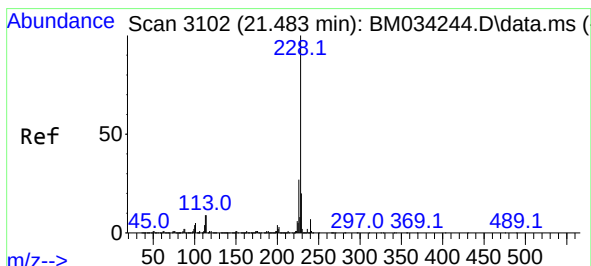
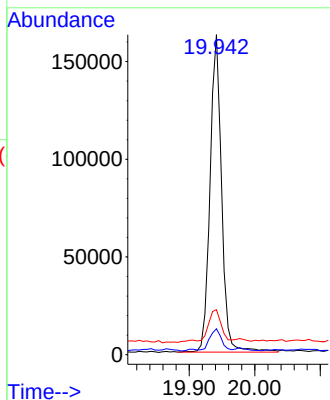
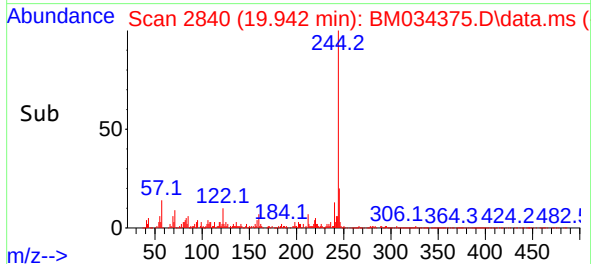


Tgt Ion:244 Resp: 19990
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.9 8.9
 122 14.0 7.8 11.8

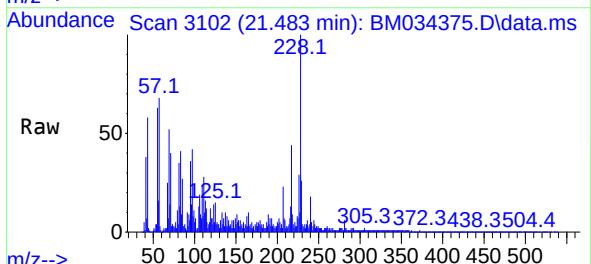
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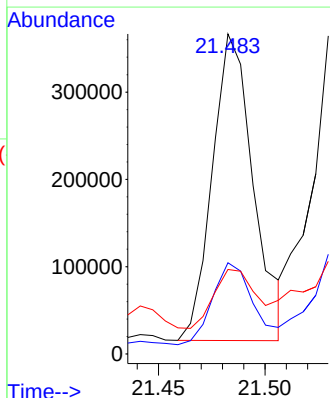
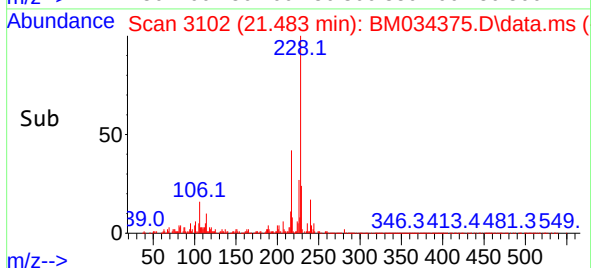
Reviewed By :Christian Giraldo 03/25/2022
 Supervised By :Jagrut Upadhyay 03/25/2022

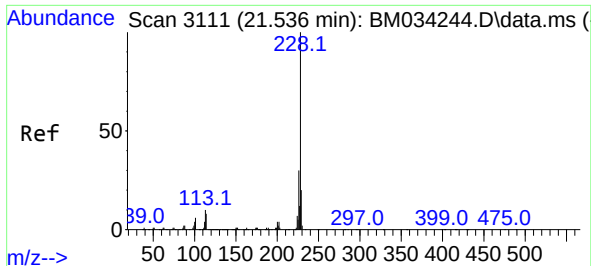


#81
 Benzo(a)anthracene
 Concen: 10.48 ng
 RT: 21.483 min Scan# 3102
 Delta R.T. 0.006 min
 Lab File: BM034375.D
 Acq: 24 Mar 2022 22:53



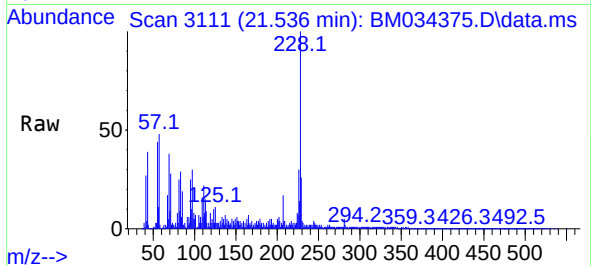
Tgt Ion:228 Resp: 472312
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.6 32.4
 229 26.4 15.8 23.6





#83
Chrysene
Concen: 16.69 ng
RT: 21.536 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

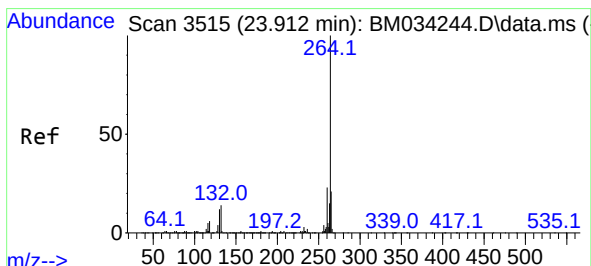
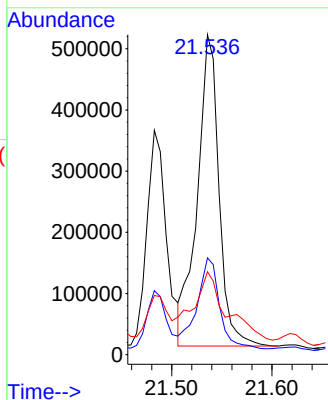
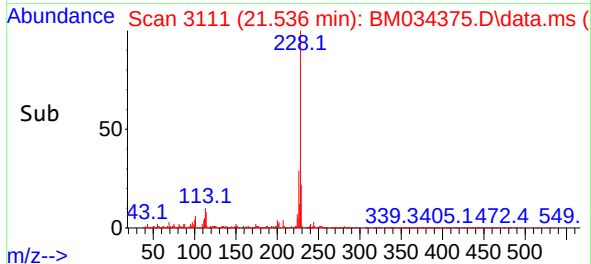
Instrument :
BNA_M
ClientSampleId :
WC-14A-4



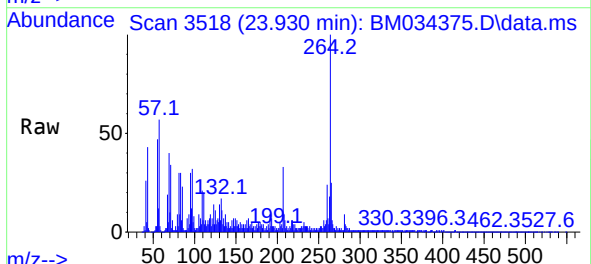
Tgt Ion:228 Resp: 76824
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.6
229 25.9 15.6 23.4

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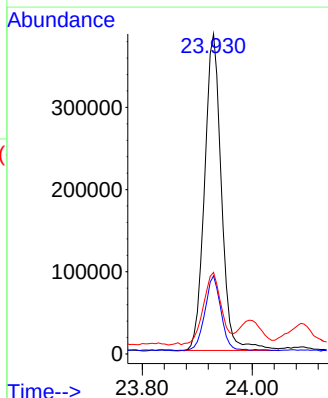
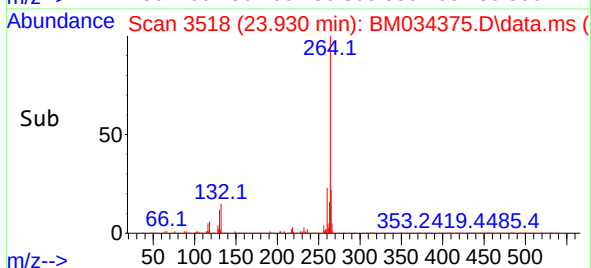
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

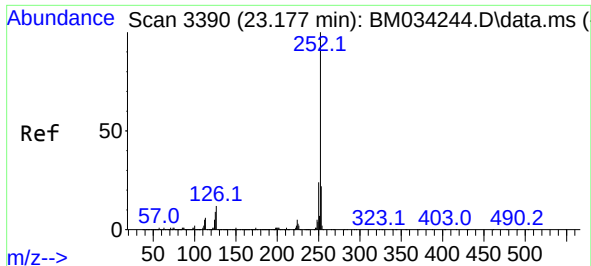


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.930 min Scan# 3518
Delta R.T. 0.023 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53



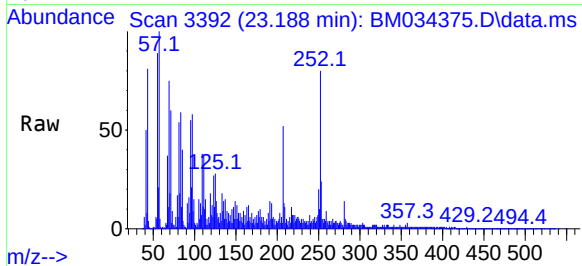
Tgt Ion:264 Resp: 818294
Ion Ratio Lower Upper
264 100
260 24.4 18.6 28.0
265 25.5 17.6 26.4





#88
Benzo(b)fluoranthene
Concen: 7.93 ng m
RT: 23.188 min Scan# 31
Delta R.T. 0.017 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

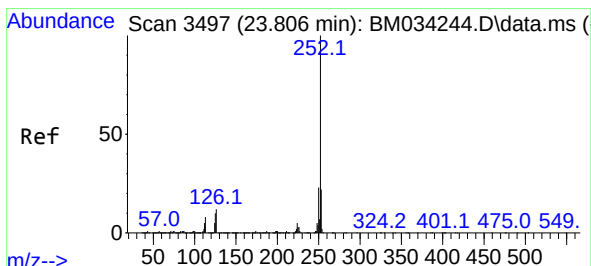
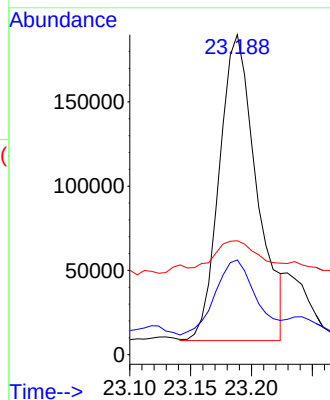
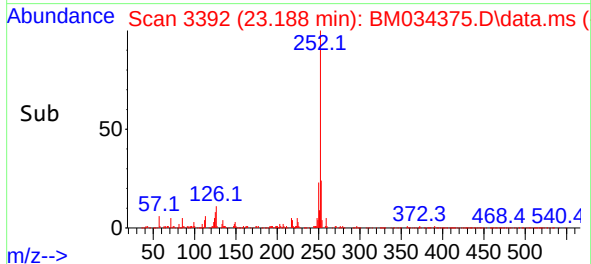
Instrument :
BNA_M
ClientSampleId :
WC-14A-4



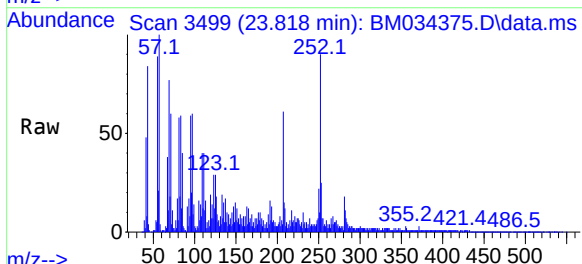
Tgt Ion:252 Resp: 388019
Ion Ratio Lower Upper
252 100
253 29.6 17.8 26.8#
125 35.6 7.2 10.8#

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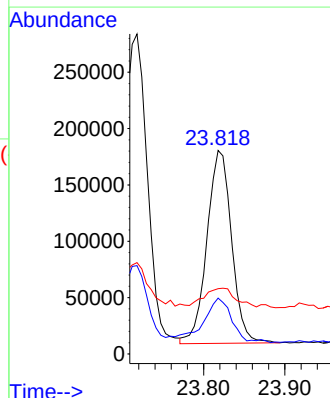
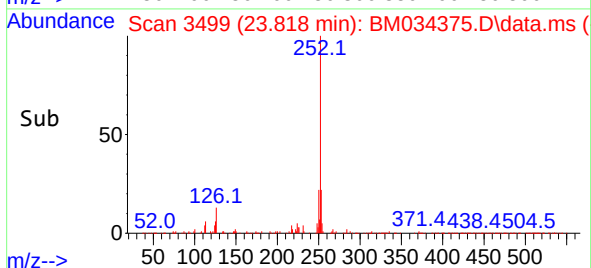
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

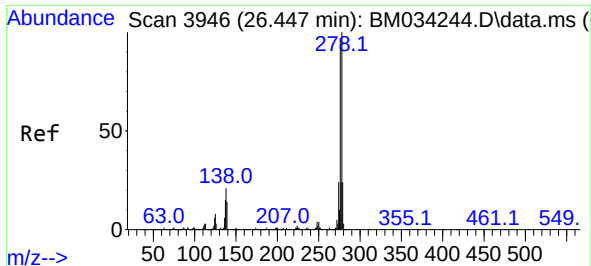


#90
Benzo(a)pyrene
Concen: 8.71 ng
RT: 23.818 min Scan# 3499
Delta R.T. 0.017 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53



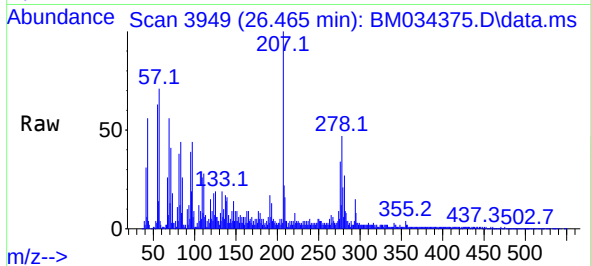
Tgt Ion:252 Resp: 361473
Ion Ratio Lower Upper
252 100
253 27.5 17.5 26.3#
125 32.1 7.8 11.6#





#91
Dibenzo(a,h)anthracene
Concen: 5.03 ng
RT: 26.465 min Scan# 3946
Delta R.T. 0.023 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

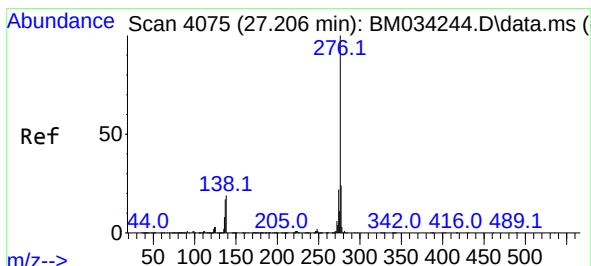
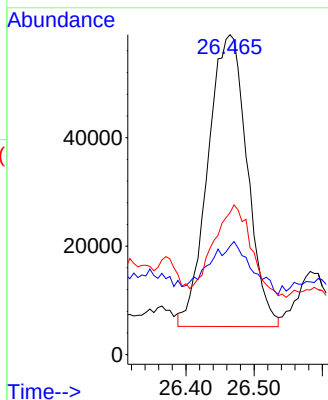
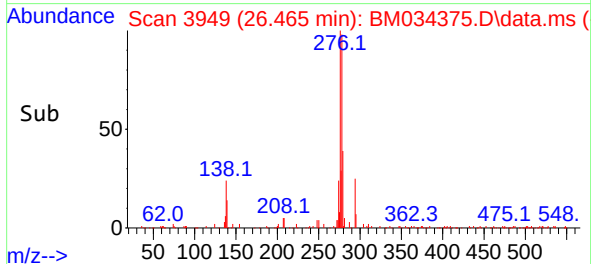
Instrument :
BNA_M
ClientSampleId :
WC-14A-4



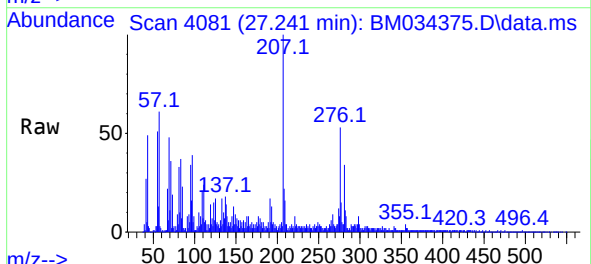
Tgt Ion: 278 Resp: 214798
Ion Ratio Lower Upper
278 100
139 33.9 11.2 16.8
279 44.4 19.2 28.8

Manual Integrations
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Reviewed By : Christian Giraldo 03/25/2022
Supervised By : Jagrut Upadhyay 03/25/2022



#92
Benzo(g,h,i)perylene
Concen: 5.00 ng
RT: 27.241 min Scan# 4081
Delta R.T. 0.041 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53



Tgt Ion: 276 Resp: 220839
Ion Ratio Lower Upper
276 100
277 29.1 19.0 28.4#
138 26.3 15.6 23.4#

