

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052622\
 Data File : BM035281.D
 Acq On : 26 May 2022 23:06
 Operator : CG/JU
 Sample : N3033-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TW-16

Quant Time: May 27 03:36:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 26 18:41:37 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/27/2022
 Supervised By : Jagrut Upadhyay 05/27/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.886	152	143873	20.000	ng	0.00
21) Naphthalene-d8	10.686	136	614962	20.000	ng	0.00
39) Acenaphthene-d10	14.515	164	470073	20.000	ng	# 0.00
64) Phenanthrene-d10	17.262	188	1011316	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1095417	20.000	ng	# 0.00
86) Perylene-d12	23.815	264	1046529	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	447799	60.154	ng	0.02
7) Phenol-d6	7.063	99	364603	35.277	ng	0.00
23) Nitrobenzene-d5	9.051	82	1077073	100.963	ng	0.00
42) 2,4,6-Tribromophenol	16.009	330	1005053	130.747	ng	0.00
45) 2-Fluorobiphenyl	13.145	172	3055445	92.352	ng	0.00
79) Terphenyl-d14	19.892	244	5057942	90.423	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.363	88	179	0.067	ng	# 1
4) n-Nitrosodimethylamine	3.681	42	5904	1.680	ng	# 3
8) 2-Chlorophenol	7.328	128	456	0.051	ng	# 35
10) Phenol	7.116	94	7089	0.707	ng	# 1
16) 2,2'-oxybis(1-Chloropr...	8.433	45	388	0.040	ng	# 1
17) 2-Methylphenol	8.339	107	3068	0.417	ng	# 74
19) n-Nitroso-di-n-propyla...	8.686	70	3374	0.504	ng	# 1
20) 3+4-Methylphenols	8.669	107	14149	1.368	ng	# 1
25) Isophorone	9.610	82	1821	0.104	ng	# 1
26) 2-Nitrophenol	9.786	139	357	0.065	ng	# 1
27) 2,4-Dimethylphenol	9.869	122	84519m	11.110	ng	
29) 2,4-Dichlorophenol	10.345	162	360	0.036	ng	# 1
30) 1,2,4-Trichlorobenzene	10.410	180	55	0.005	ng	# 11
31) Naphthalene	10.757	128	17966176	594.170	ng	# 93
32) Benzoic acid	9.969	122	9852	1.330	ng	# 1
35) Caprolactam	11.633	113	831	0.260	ng	# 1
36) 4-Chloro-3-methylphenol	12.010	107	6438	0.621	ng	# 34
37) 2-Methylnaphthalene	12.351	142	4873558	214.677	ng	99
38) 1-Methylnaphthalene	12.574	142	4055421	181.372	ng	100
46) 1,1'-Biphenyl	13.351	154	162448	4.844	ng	98
47) 2-Chloronaphthalene	13.357	162	3748	0.144	ng	# 1
48) 2-Nitroaniline	13.568	65	6093	0.913	ng	# 37
49) Acenaphthylene	14.245	152	16003	0.397	ng	# 1
50) Dimethylphthalate	13.986	163	431	0.012	ng	# 1
51) 2,6-Dinitrotoluene	14.080	165	2557	0.343	ng	# 1
52) Acenaphthene	14.580	154	45215	1.849	ng	98
53) 3-Nitroaniline	14.427	138	154	0.021	ng	# 65
55) Dibenzofuran	14.915	168	32997	0.782	ng	# 68
56) 4-Nitrophenol	14.733	139	5293	0.840	ng	# 1
57) 2,4-Dinitrotoluene	14.874	165	3780	0.359	ng	# 41
58) Fluorene	15.562	166	80572	2.373	ng	# 98
59) 2,3,4,6-Tetrachlorophenol	15.157	232	180	0.017	ng	# 1
60) Diethylphthalate	15.345	149	3589	0.100	ng	# 1
61) 4-Chlorophenyl-phenyle...	15.533	204	1923	0.102	ng	# 63
62) 4-Nitroaniline	15.568	138	3148	0.397	ng	89
63) Azobenzene	15.839	77	5349	0.195	ng	# 50

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) n-Nitrosodiphenylamine	15.780	169	10288	0.367	ng	# 72
69) Atrazine	16.733	200	1161	0.109	ng	# 1
70) Pentachlorophenol	16.915	266	493	0.060	ng	# 55
71) Phenanthrene	17.303	178	136971	2.625	ng	# 97
73) Carbazole	17.668	167	31961	0.642	ng	# 88
74) Di-n-butylphthalate	18.233	149	10712	0.183	ng	# 64
75) Fluoranthene	19.321	202	12272	0.188	ng	# 70
78) Pyrene	19.680	202	22877	0.356	ng	# 85
80) Butylbenzylphthalate	20.586	149	798	0.031	ng	# 1
81) Benzo(a)anthracene	21.433	228	9175	0.134	ng	# 75
82) 3,3'-Dichlorobenzidine	21.356	252	579	0.034	ng	# 76
84) Bis(2-ethylhexyl)phtha...	21.362	149	6833	0.174	ng	# 76
85) Di-n-octyl phthalate	22.274	149	2307	0.034	ng	# 25
87) Indeno(1,2,3-cd)pyrene	26.273	276	3093	0.045	ng	# 50
88) Benzo(b)fluoranthene	23.097	252	6010	0.097	ng	# 43
90) Benzo(a)pyrene	23.715	252	3716	0.072	ng	# 17
91) Dibenzo(a,h)anthracene	26.262	278	2372	0.041	ng	# 1
92) Benzo(g,h,i)perylene	27.020	276	3280	0.059	ng	# 99

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

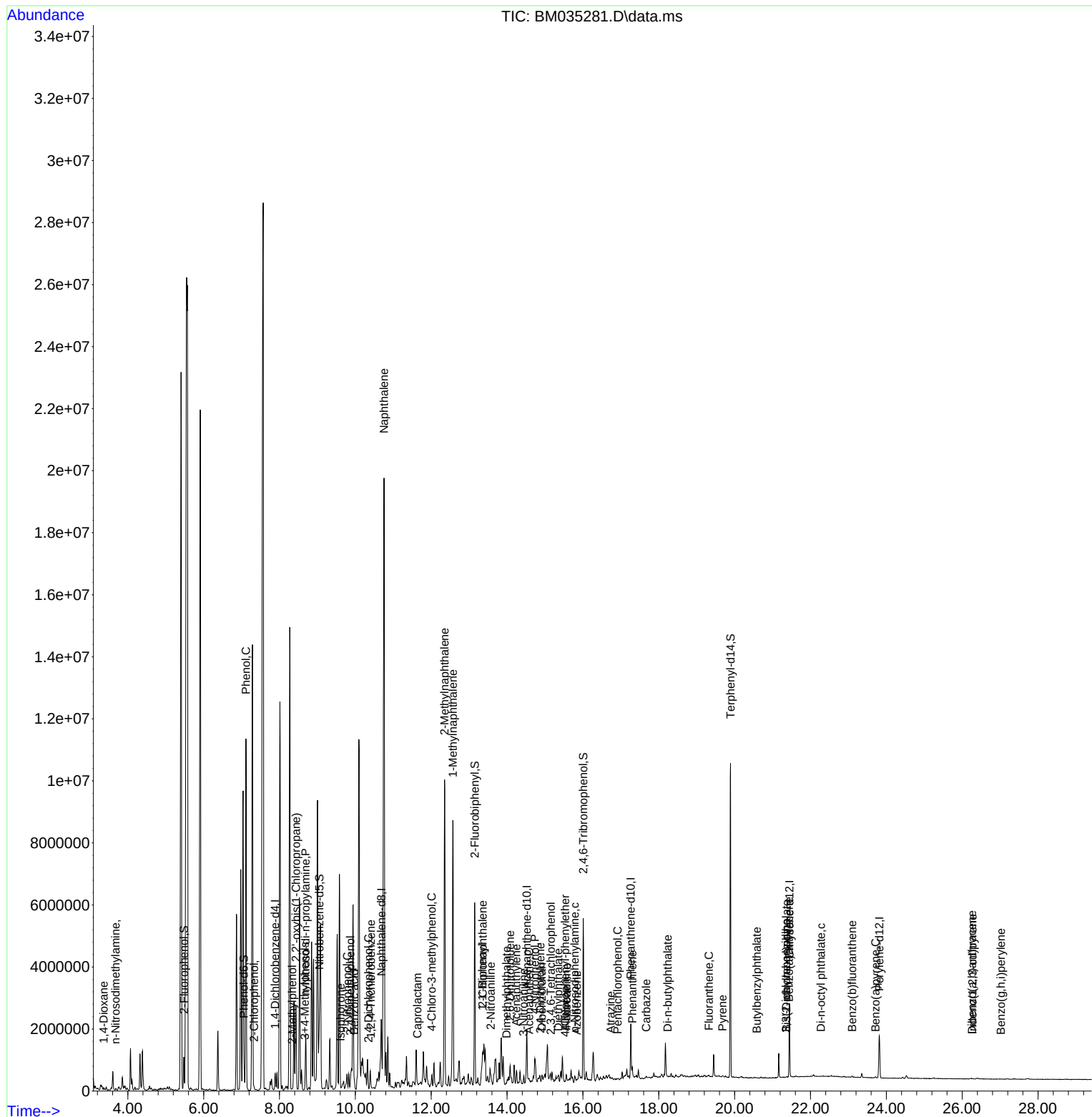
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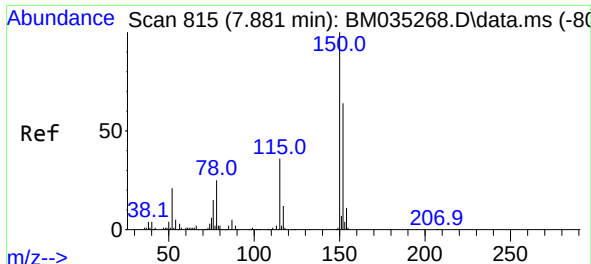
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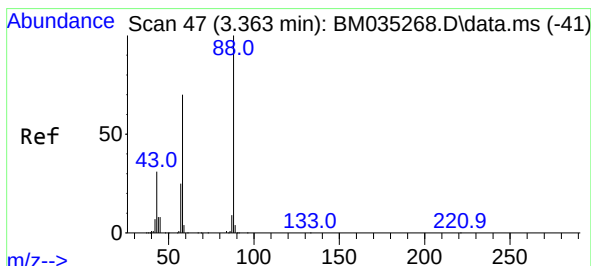
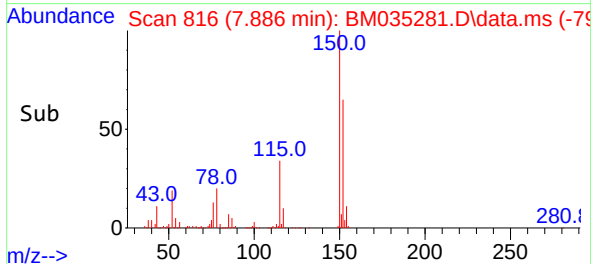
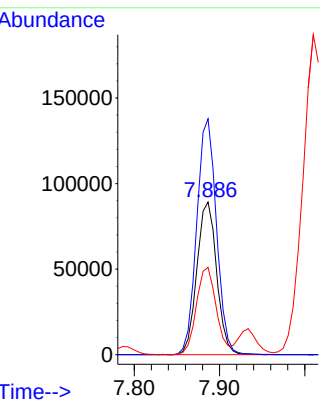
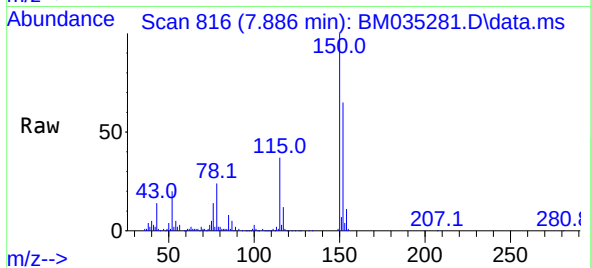
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.886 min Scan# 815
Delta R.T. 0.005 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

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ClientSampleId :
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Tgt Ion: 152 Resp: 14387
Ion Ratio Lower Upper
152 100
150 154.5 124.9 187.3
115 57.2 47.9 71.9

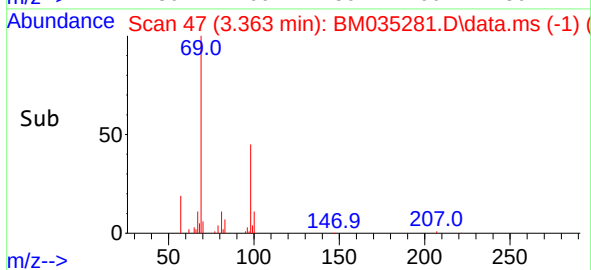
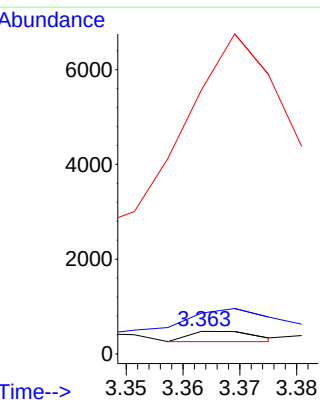
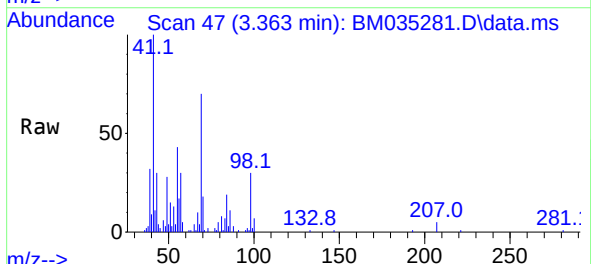
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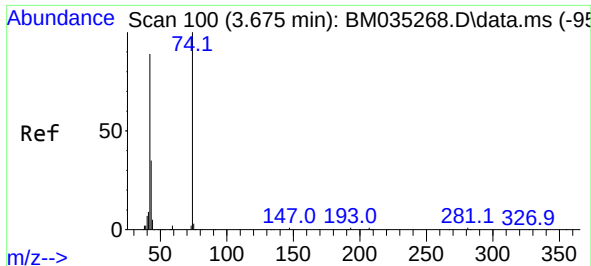
Reviewed By :Christian Giraldo 05/27/2022
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#2
1,4-Dioxane
Concen: 0.067 ng
RT: 3.363 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

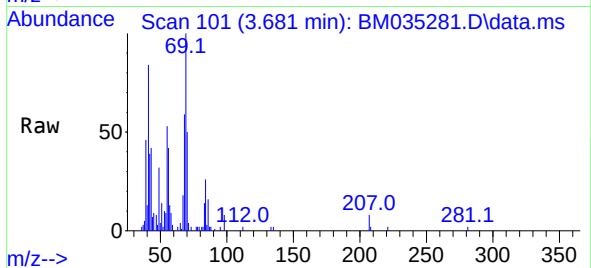
Tgt Ion: 88 Resp: 179
Ion Ratio Lower Upper
88 100
58 633.0 62.3 93.5#
43 5000.0 28.7 43.1#





#4
n-Nitrosodimethylamine
Concen: 1.680 ng
RT: 3.681 min Scan# 101
Delta R.T. 0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

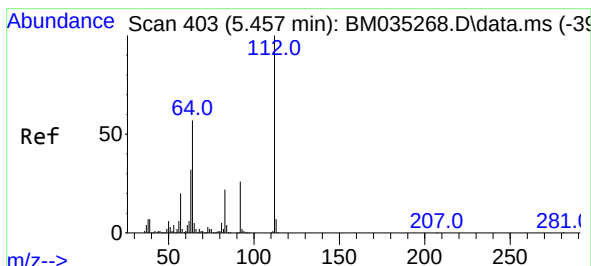
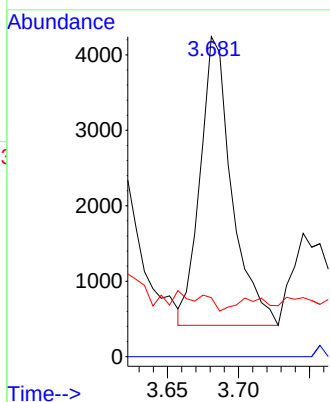
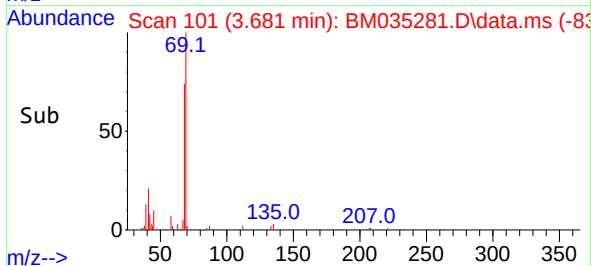
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Tgt Ion: 42 Resp: 5904
Ion Ratio Lower Upper
42 100
74 0.0 81.6 122.4
44 18.4 5.2 7.8

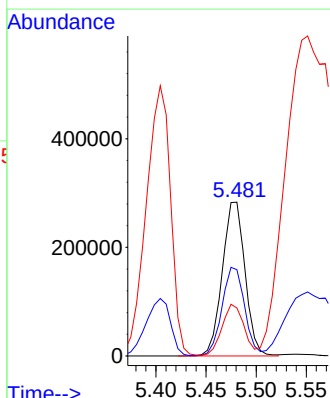
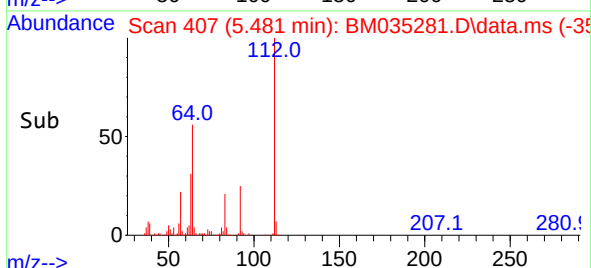
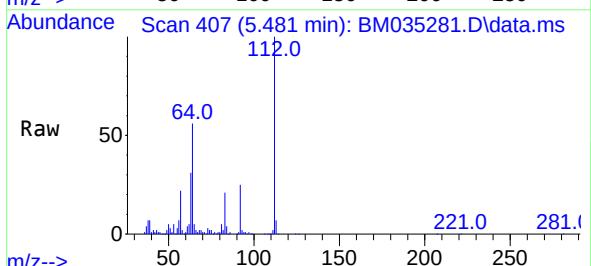
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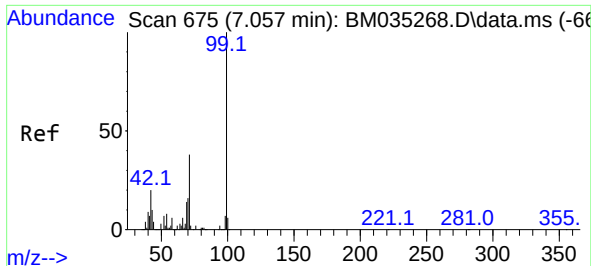
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#5
2-Fluorophenol
Concen: 60.154 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.023 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

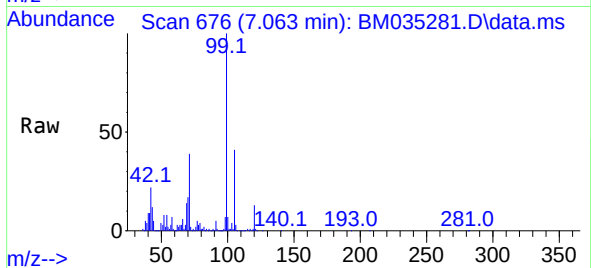
Tgt Ion:112 Resp: 447799
Ion Ratio Lower Upper
112 100
64 56.1 47.8 71.6
63 31.3 26.6 40.0





#7
Phenol-d6
Concen: 35.277 ng
RT: 7.063 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

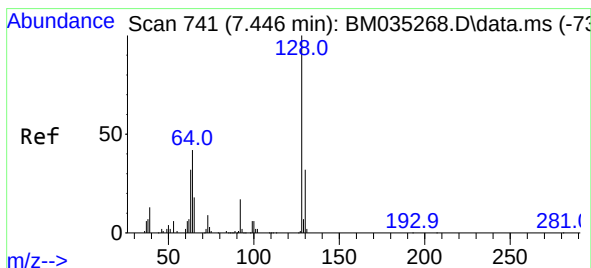
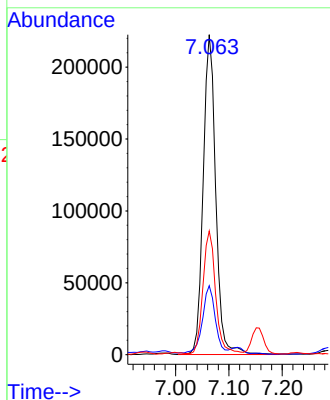
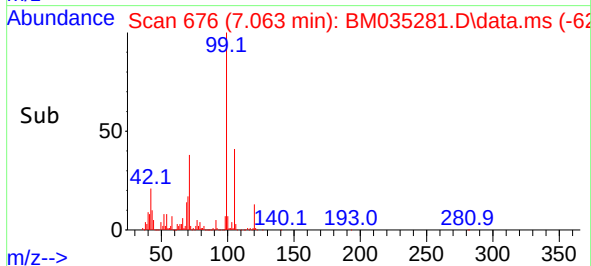
Instrument :
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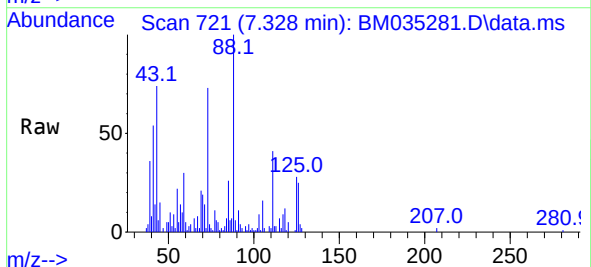
Tgt Ion: 99 Resp: 36460
Ion Ratio Lower Upper
99 100
42 21.6 18.8 28.2
71 38.6 30.2 45.2

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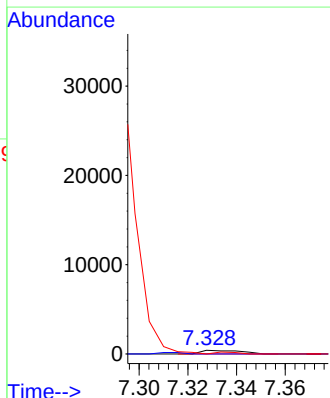
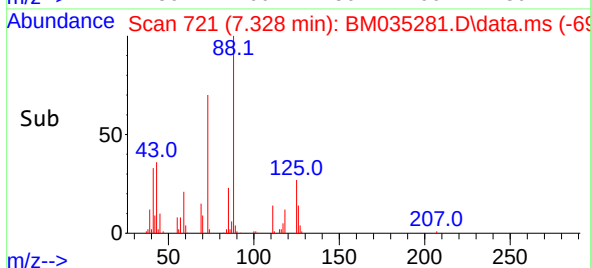
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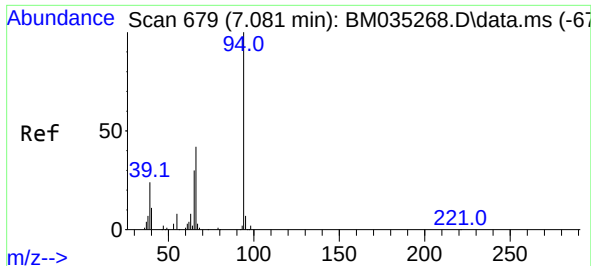


#8
2-Chlorophenol
Concen: 0.051 ng
RT: 7.328 min Scan# 721
Delta R.T. -0.118 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



Tgt Ion:128 Resp: 456
Ion Ratio Lower Upper
128 100
130 0.0 10.9 50.9#
64 0.0 28.2 68.2#





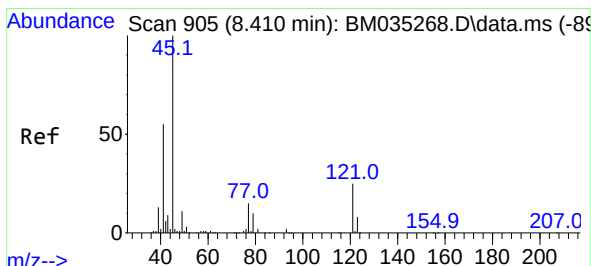
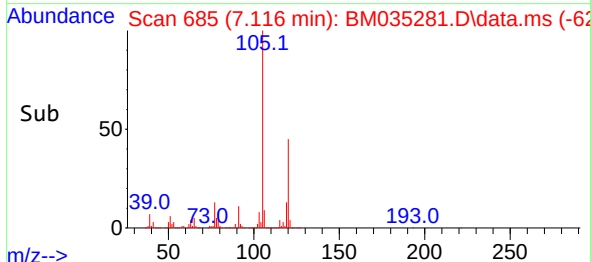
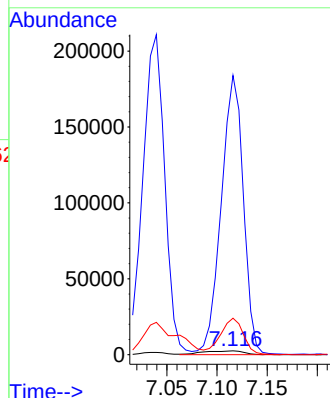
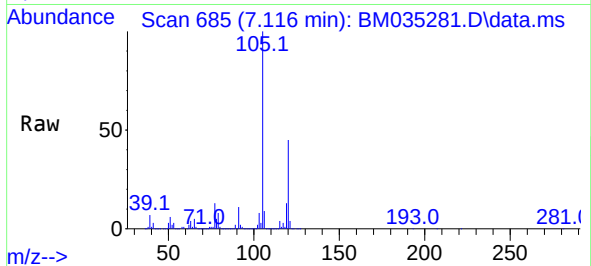
#10
Phenol
Concen: 0.707 ng
RT: 7.116 min Scan# 60
Delta R.T. 0.035 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Instrument :
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ClientSampleId :
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Tgt Ion: 94 Resp: 7089
Ion Ratio Lower Upper
94 100
65 7278.8 11.4 51.4
66 950.7 21.4 61.4

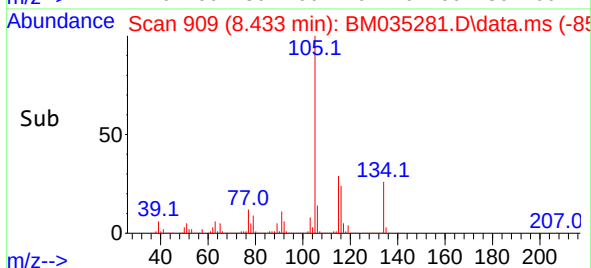
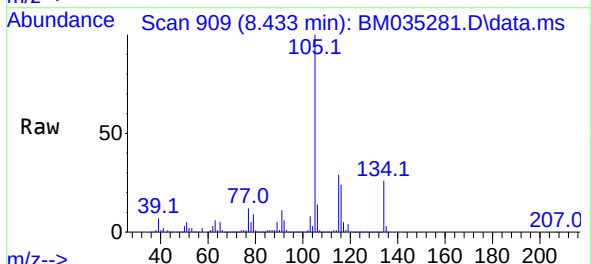
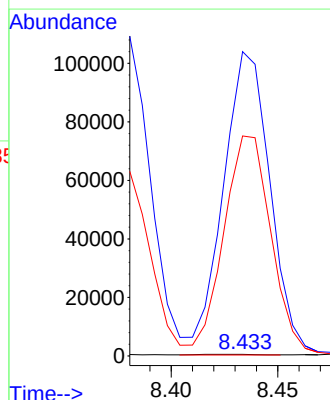
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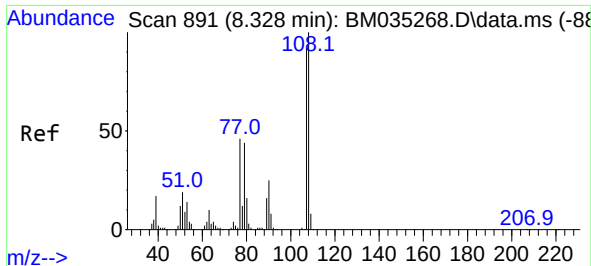
Reviewed By :Christian Giraldo 05/27/2022
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.040 ng
RT: 8.433 min Scan# 909
Delta R.T. 0.023 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

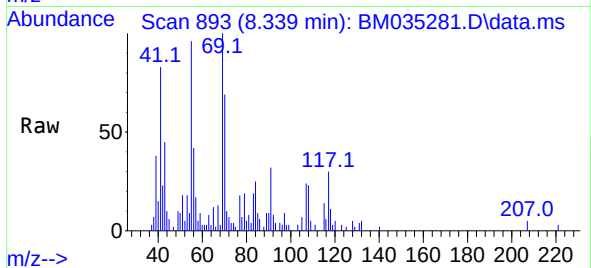
Tgt Ion: 45 Resp: 388
Ion Ratio Lower Upper
45 100
77 18055.6 0.0 33.1#
79 13054.2 0.0 30.5#





#17
2-Methylphenol
Concen: 0.417 ng
RT: 8.339 min Scan# 891
Delta R.T. 0.011 min
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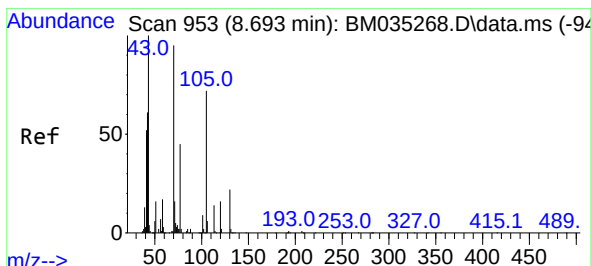
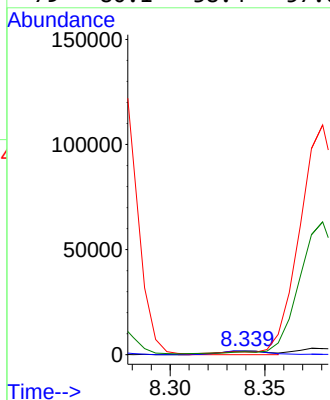
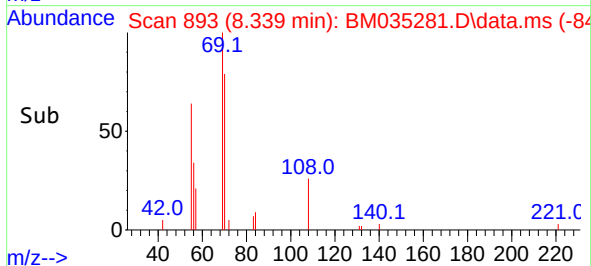
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Tgt Ion: 107 Resp: 3068
Ion Ratio Lower Upper
107 100
108 98.3 88.7 133.1
77 75.7 40.6 60.8
79 80.1 38.4 57.6#

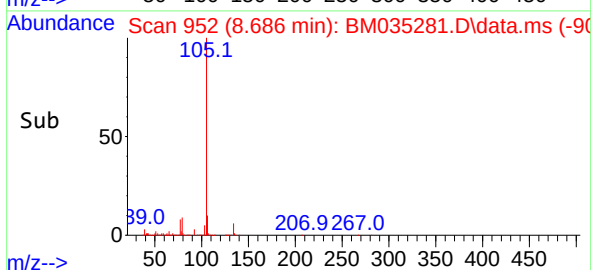
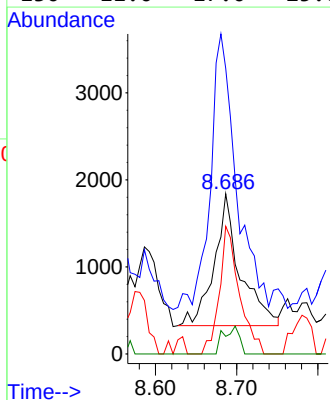
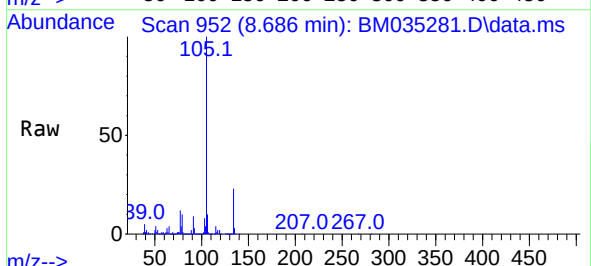
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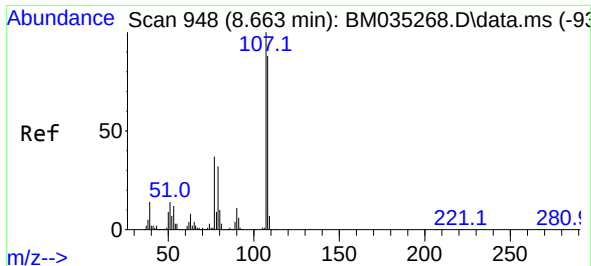
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#19
n-Nitroso-di-n-propylamine
Concen: 0.504 ng
RT: 8.686 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM035281.D
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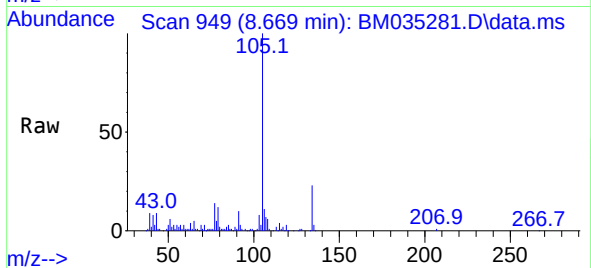
Tgt Ion: 70 Resp: 3374
Ion Ratio Lower Upper
70 100
42 178.4 55.4 83.2#
101 79.8 7.8 11.6#
130 11.0 17.0 25.6#





#20
3+4-Methylphenols
Concen: 1.368 ng
RT: 8.669 min Scan# 948
Delta R.T. 0.006 min
Lab File: BM035281.D
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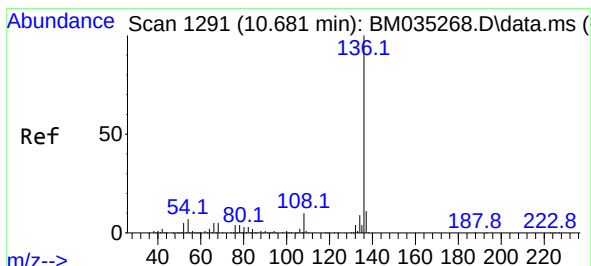
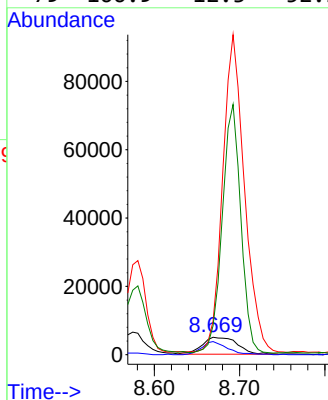
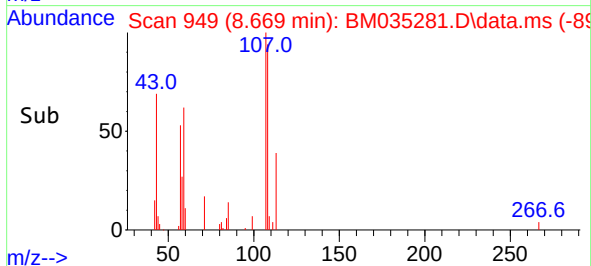
Instrument :
BNA_M
ClientSampleId :
TW-16



Tgt Ion:	107	Resp:	14149
Ion	Ratio	Lower	Upper
107	100		
108	75.2	69.3	109.3
77	193.2	15.8	55.8
79	166.9	12.3	52.3

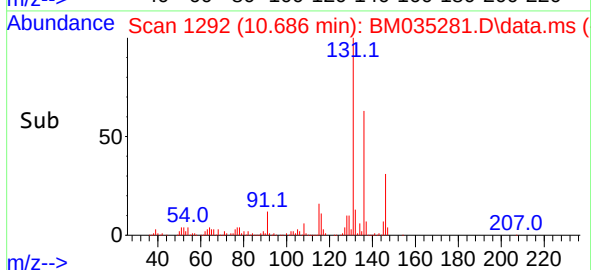
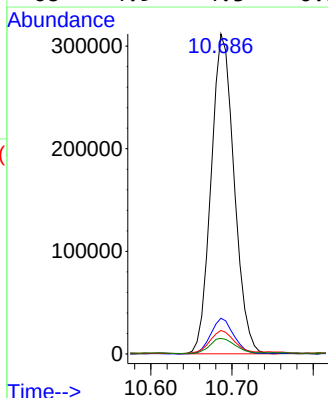
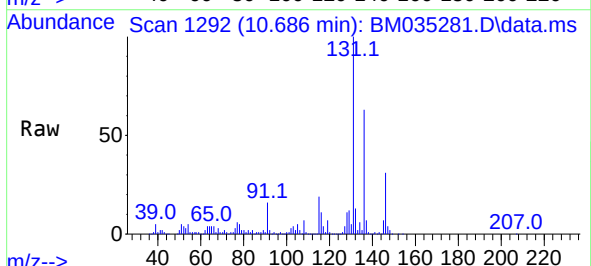
Manual Integrations
APPROVED

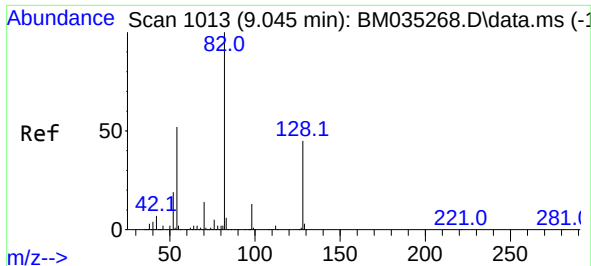
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.686 min Scan# 1292
Delta R.T. 0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

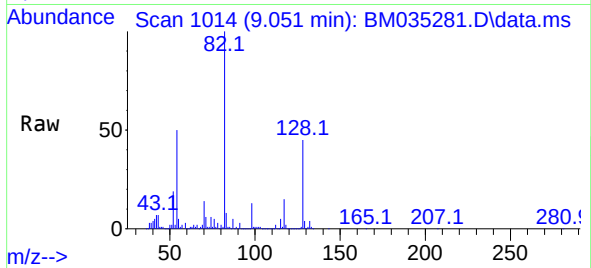
Tgt Ion:	136	Resp:	614962
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.4	7.0	10.4
68	4.9	4.3	6.5





#23
Nitrobenzene-d5
Concen: 100.963 ng
RT: 9.051 min Scan# 1013
Delta R.T. 0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

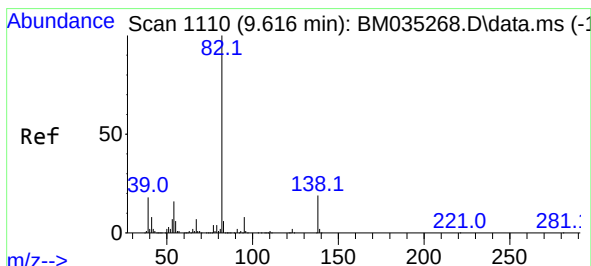
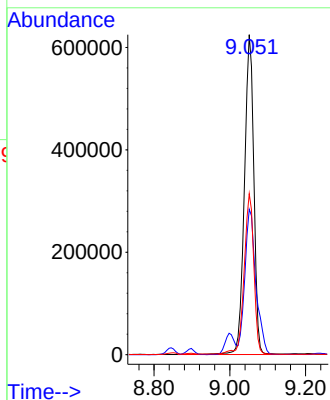
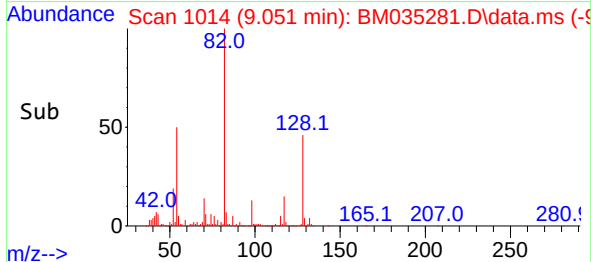
Instrument :
BNA_M
ClientSampleId :
TW-16



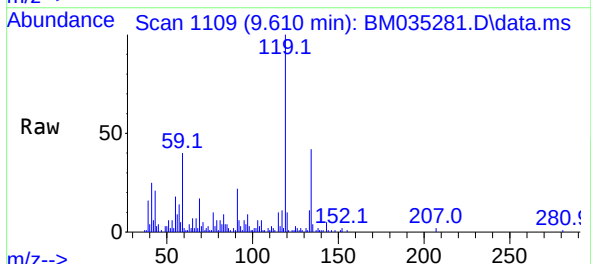
Tgt Ion: 82 Resp: 107707
Ion Ratio Lower Upper
82 100
128 45.5 33.7 50.5
54 50.3 43.2 64.8

Manual Integrations
APPROVED

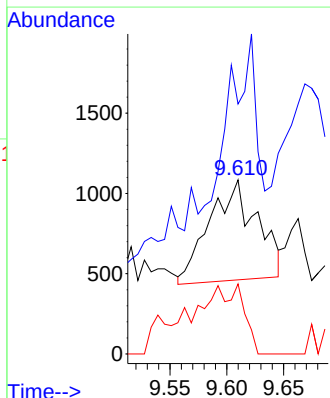
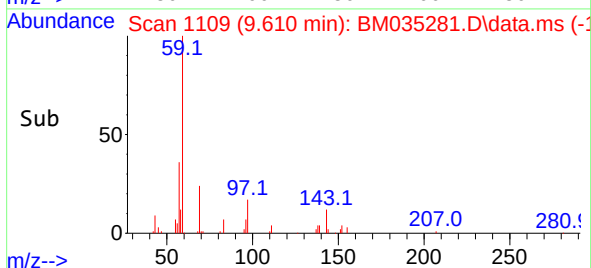
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

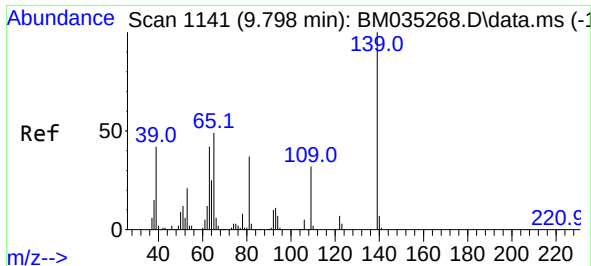


#25
Isophorone
Concen: 0.104 ng
RT: 9.610 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



Tgt Ion: 82 Resp: 1821
Ion Ratio Lower Upper
82 100
95 143.5 6.4 9.6#
138 40.3 14.2 21.4#





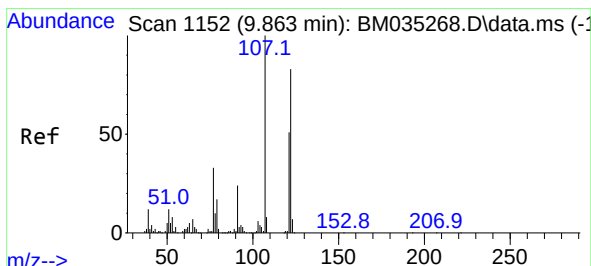
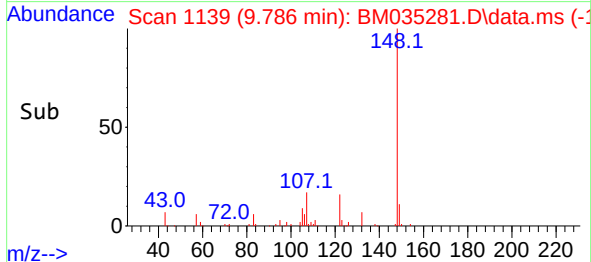
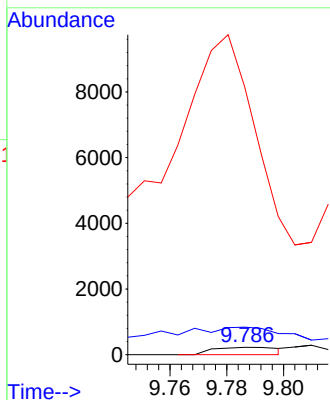
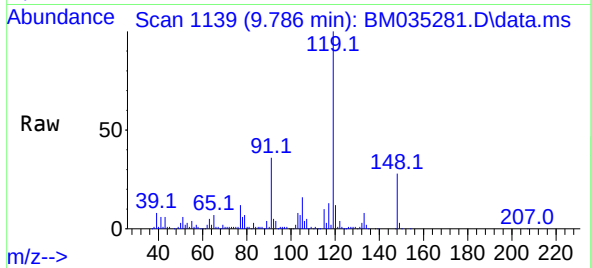
#26
2-Nitrophenol
Concen: 0.065 ng
RT: 9.786 min Scan# 1139
Delta R.T. -0.012 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Instrument :
BNA_M
ClientSampleId :
TW-16

Tgt Ion:139 Resp: 35
Ion Ratio Lower Upper
139 100
109 371.2 25.6 38.4
65 3604.9 43.2 64.8

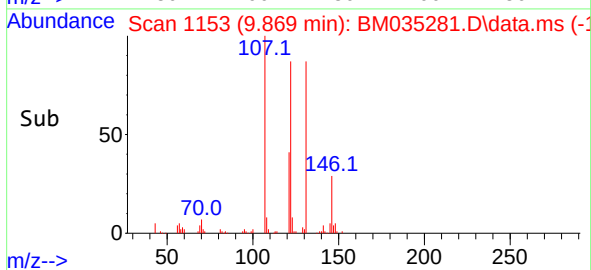
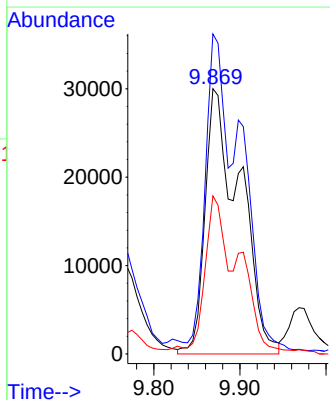
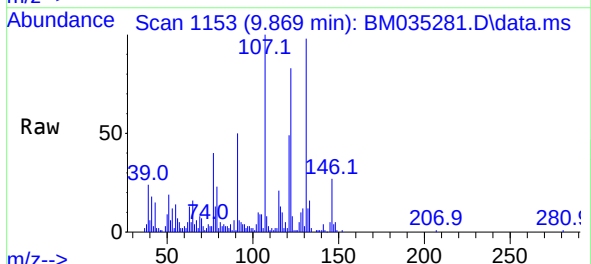
Manual Integrations
APPROVED

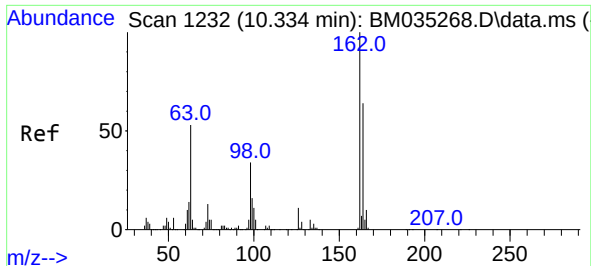
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022



#27
2,4-Dimethylphenol
Concen: 11.110 ng m
RT: 9.869 min Scan# 1153
Delta R.T. 0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Tgt Ion:122 Resp: 84519
Ion Ratio Lower Upper
122 100
107 120.6 92.4 138.6
121 59.6 47.4 71.0





#29

2,4-Dichlorophenol

Concen: 0.036 ng

RT: 10.345 min Scan# 1234

Delta R.T. 0.011 min

Lab File: BM035281.D

Acq: 26 May 2022 23:06

Instrument :

BNA_M

ClientSampleId :

TW-16

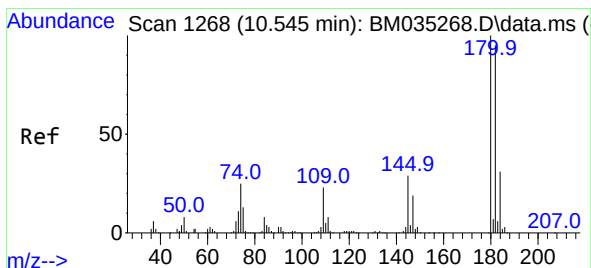
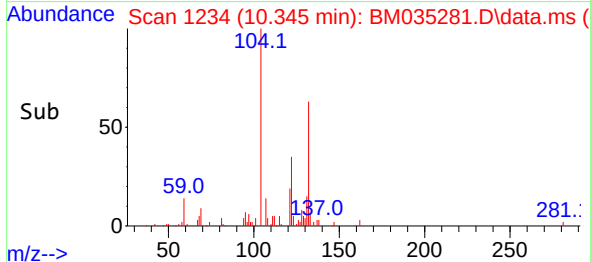
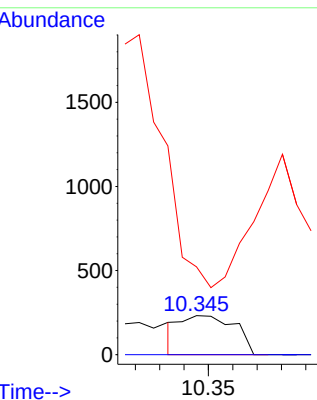
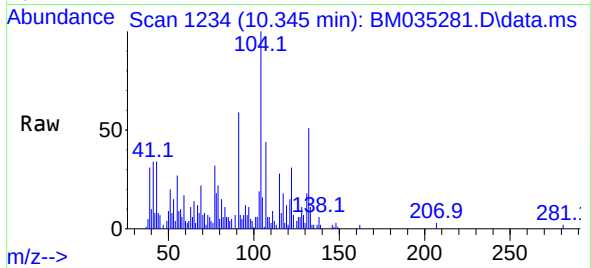
Tgt Ion:162	Resp:	360
Ion Ratio	Lower	Upper
162	100	
164	0.0	44.2
98	225.0	15.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/27/2022

Supervised By :Jagrut Upadhyay 05/27/2022



#30

1,2,4-Trichlorobenzene

Concen: 0.005 ng

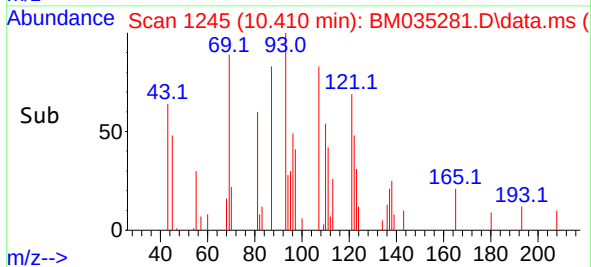
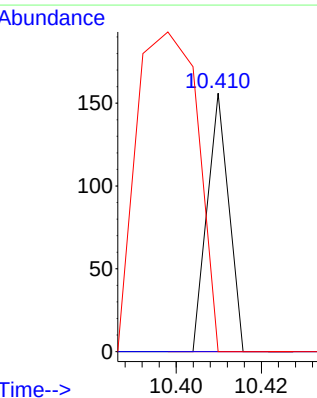
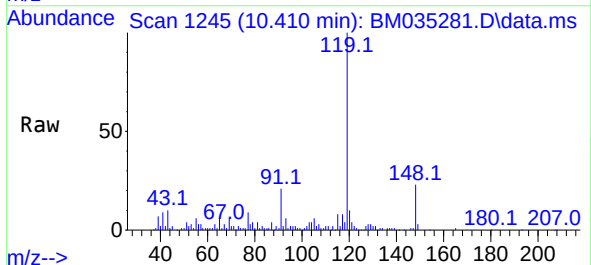
RT: 10.410 min Scan# 1245

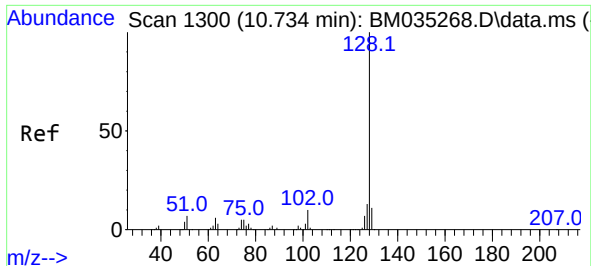
Delta R.T. -0.136 min

Lab File: BM035281.D

Acq: 26 May 2022 23:06

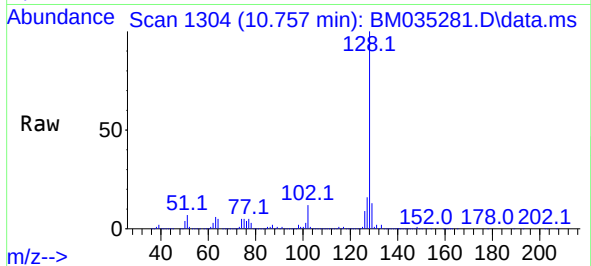
Tgt Ion:180	Resp:	55
Ion Ratio	Lower	Upper
180	100	
182	0.0	77.9
145	0.0	25.0





#31
Naphthalene
Concen: 594.170 ng
RT: 10.757 min Scan# 1170
Delta R.T. 0.023 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

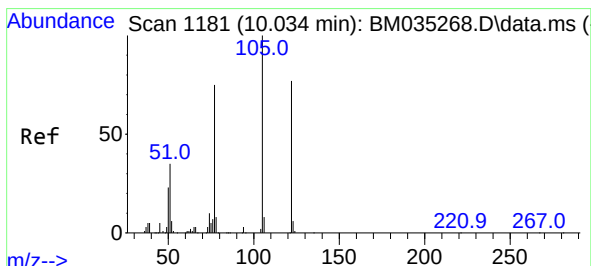
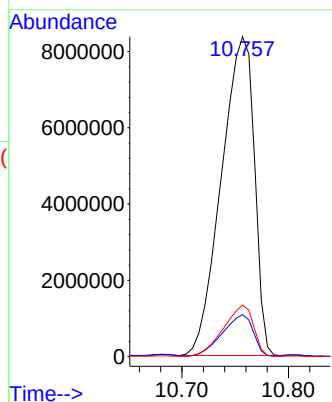
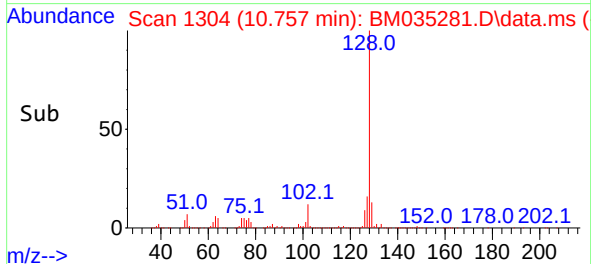
Instrument :
BNA_M
ClientSampleId :
TW-16



Tgt Ion:128 Resp:17966170
Ion Ratio Lower Upper
128 100
129 13.2 8.7 13.1
127 16.2 10.6 16.0

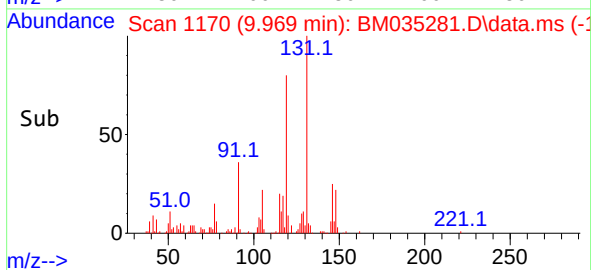
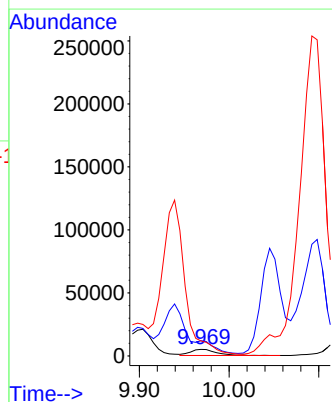
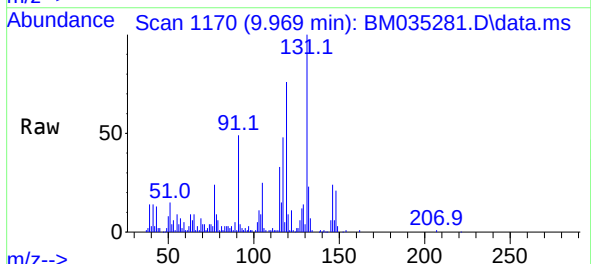
Manual Integrations
APPROVED

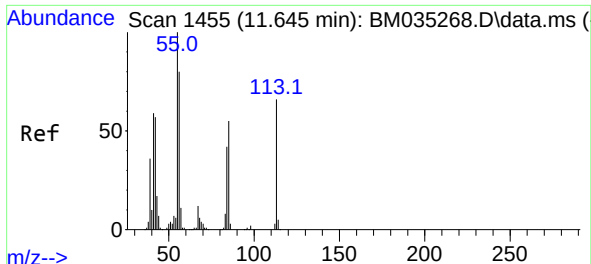
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022



#32
Benzoic acid
Concen: 1.330 ng
RT: 9.969 min Scan# 1170
Delta R.T. -0.065 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

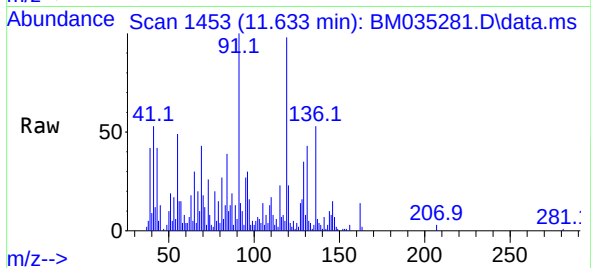
Tgt Ion:122 Resp: 9852
Ion Ratio Lower Upper
122 100
105 231.7 105.7 145.7#
77 227.1 80.0 120.0#





#35
Caprolactam
Concen: 0.260 ng
RT: 11.633 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

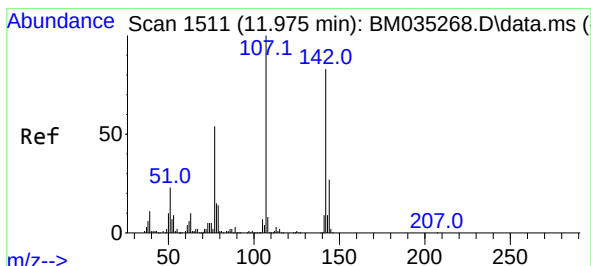
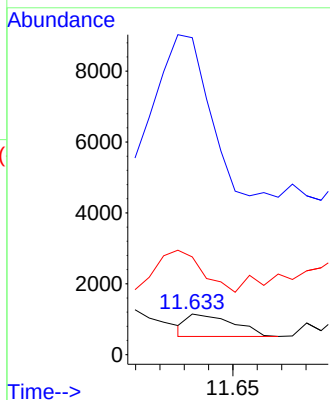
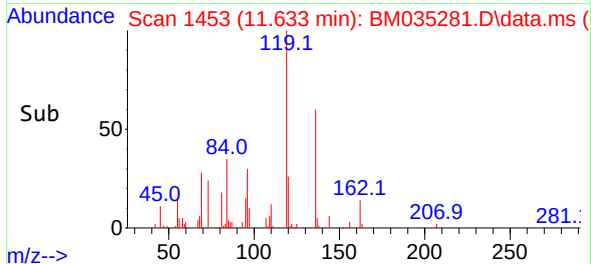
Instrument :
BNA_M
ClientSampleId :
TW-16



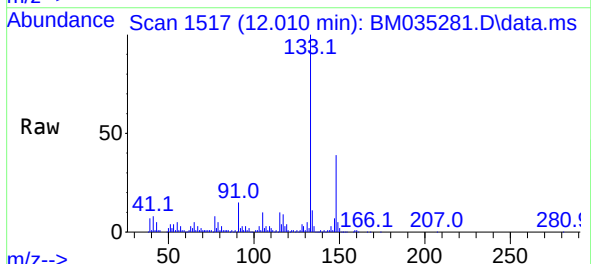
Tgt Ion:113 Resp: 833
Ion Ratio Lower Upper
113 100
55 779.6 150.1 190.1#
56 240.5 111.7 151.7#

Manual Integrations
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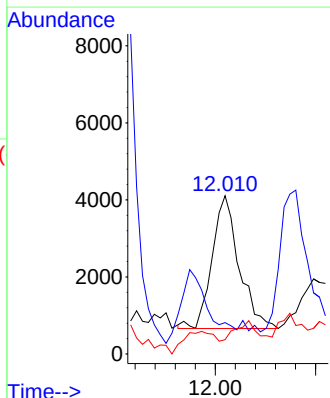
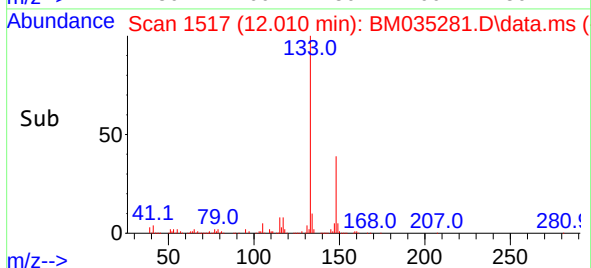
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

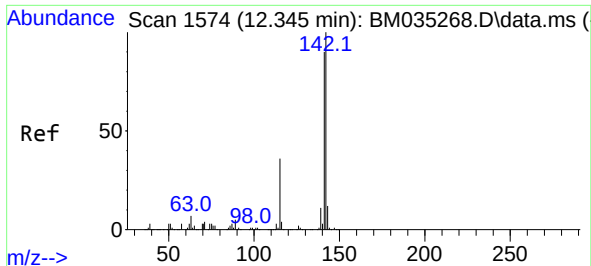


#36
4-Chloro-3-methylphenol
Concen: 0.621 ng
RT: 12.010 min Scan# 1517
Delta R.T. 0.035 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



Tgt Ion:107 Resp: 6438
Ion Ratio Lower Upper
107 100
144 19.8 21.4 32.0#
142 9.0 66.7 100.1#





#37

2-Methylnaphthalene

Concen: 214.677 ng

RT: 12.351 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM035281.D

Acq: 26 May 2022 23:06

Instrument :

BNA_M

ClientSampleId :

TW-16

Tgt Ion:142 Resp: 4873558

Ion Ratio Lower Upper

142 100

141 90.6 72.4 108.6

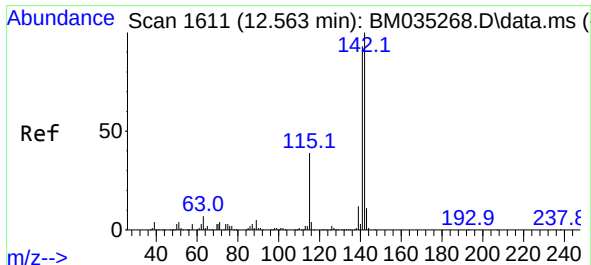
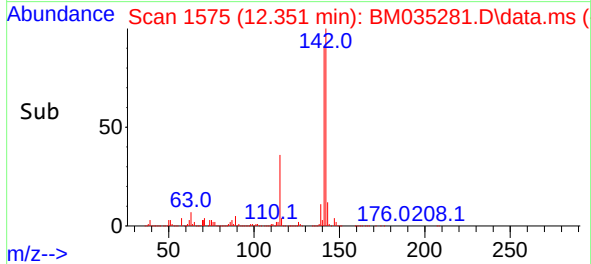
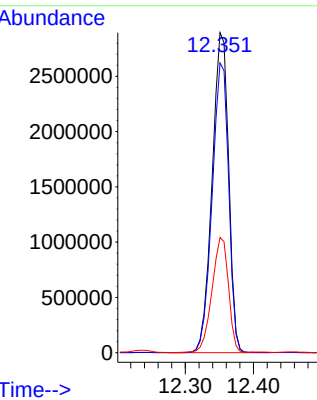
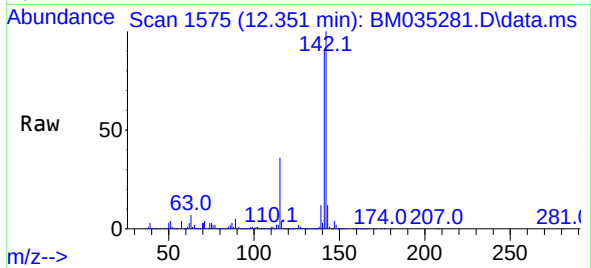
115 36.0 29.6 44.4

Manual Integrations

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Reviewed By :Christian Giraldo 05/27/2022

Supervised By :Jagrut Upadhyay 05/27/2022



#38

1-Methylnaphthalene

Concen: 181.372 ng

RT: 12.574 min Scan# 1613

Delta R.T. 0.011 min

Lab File: BM035281.D

Acq: 26 May 2022 23:06

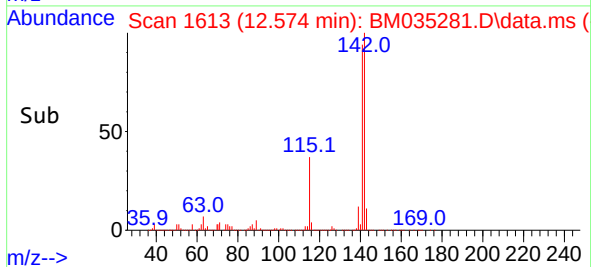
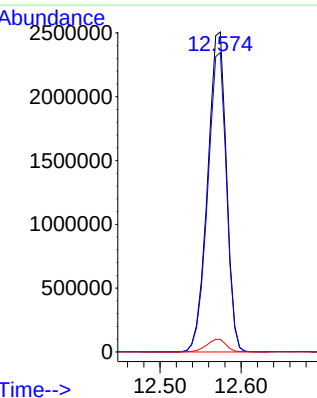
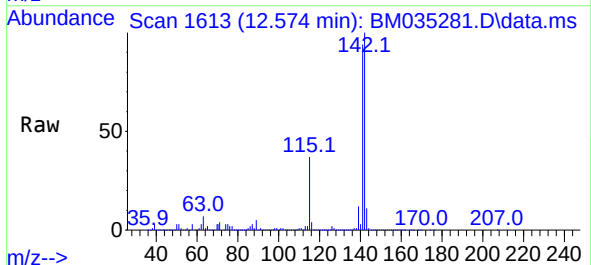
Tgt Ion:142 Resp: 4055421

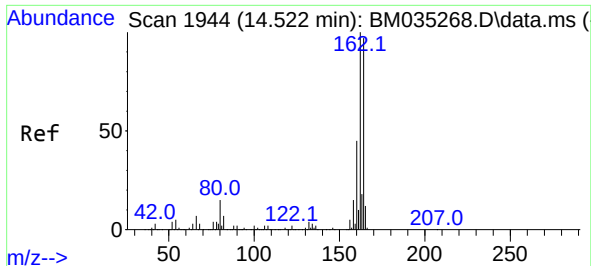
Ion Ratio Lower Upper

142 100

141 93.6 75.0 112.4

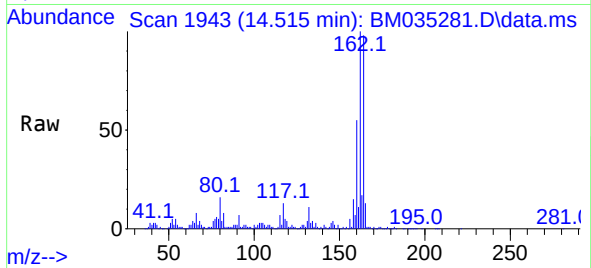
116 4.0 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.515 min Scan# 1943
Delta R.T. -0.007 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

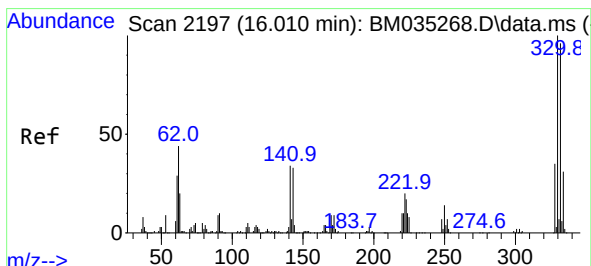
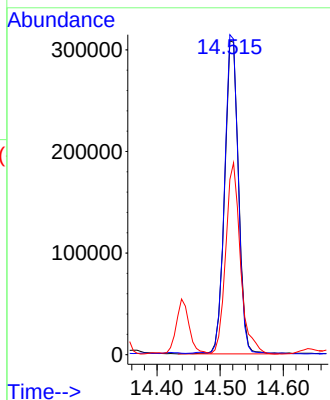
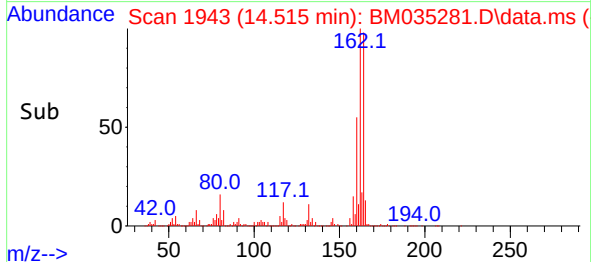
Instrument :
BNA_M
ClientSampleId :
TW-16



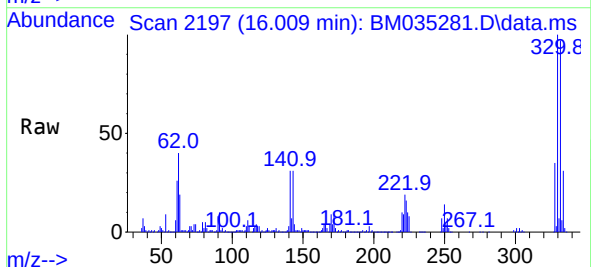
Tgt Ion:164 Resp: 470073
Ion Ratio Lower Upper
164 100
162 101.9 83.0 124.6
160 55.8 37.0 55.4

Manual Integrations
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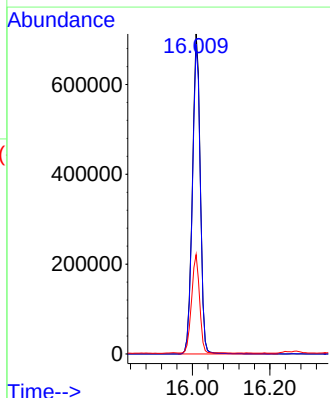
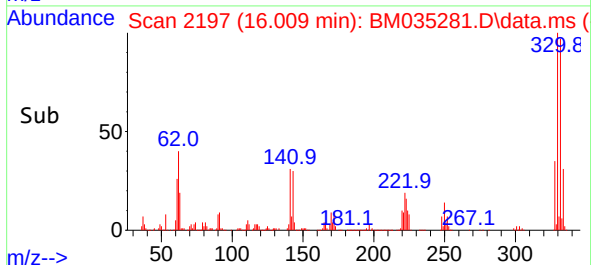
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

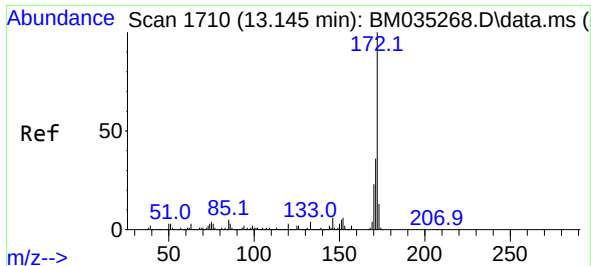


#42
2,4,6-Tribromophenol
Concen: 130.747 ng
RT: 16.009 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



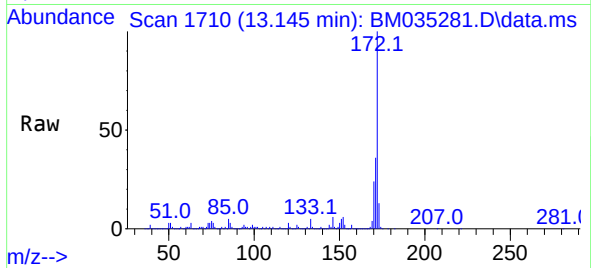
Tgt Ion:330 Resp: 1005053
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.4
141 30.9 35.3 52.9





#45
2-Fluorobiphenyl
Concen: 92.352 ng
RT: 13.145 min Scan# 1710
Delta R.T. -0.000 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

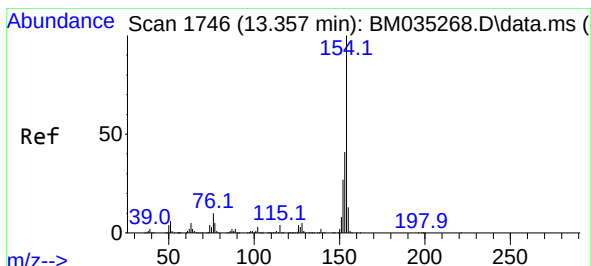
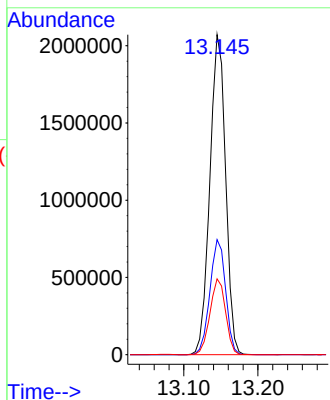
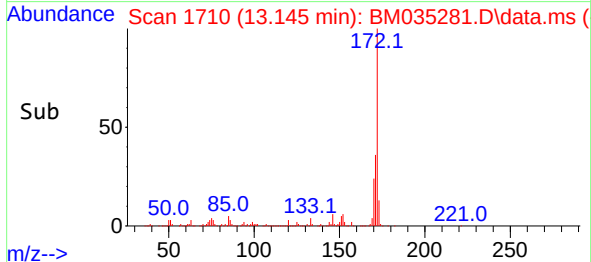
Instrument :
BNA_M
ClientSampleId :
TW-16



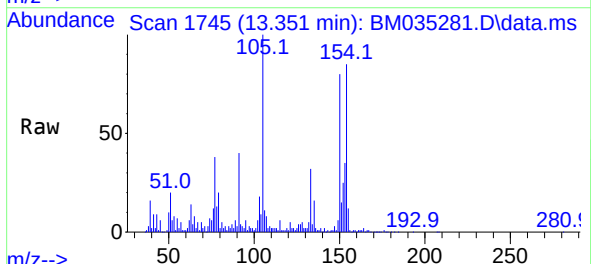
Tgt Ion:172 Resp: 305544
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 23.7 18.7 28.1

Manual Integrations
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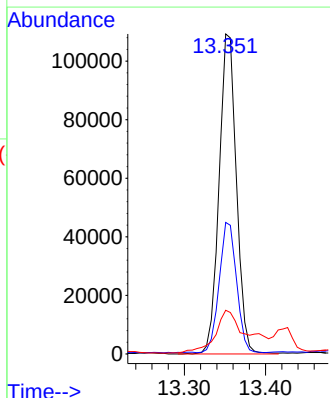
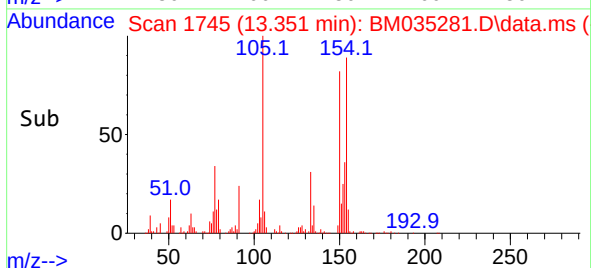
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

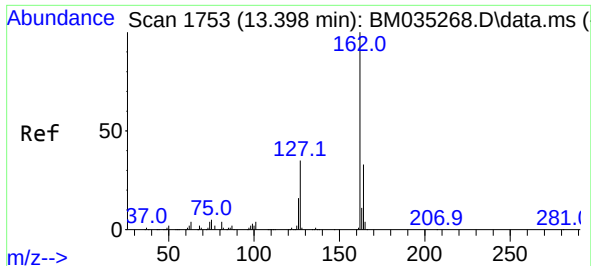


#46
1,1'-Biphenyl
Concen: 4.844 ng
RT: 13.351 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



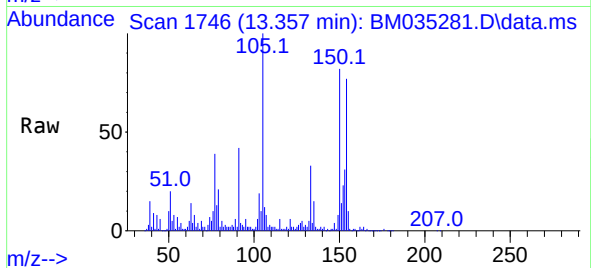
Tgt Ion:154 Resp: 162448
Ion Ratio Lower Upper
154 100
153 41.1 20.5 60.5
76 13.7 0.0 31.8





#47
2-Chloronaphthalene
Concen: 0.144 ng
RT: 13.357 min Scan# 1746
Delta R.T. -0.041 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

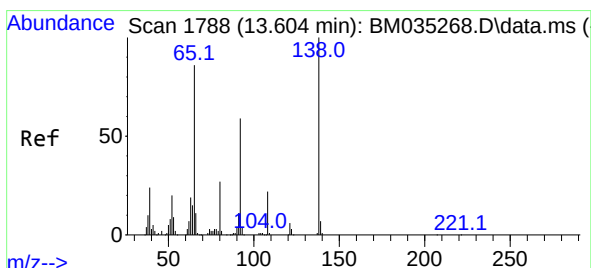
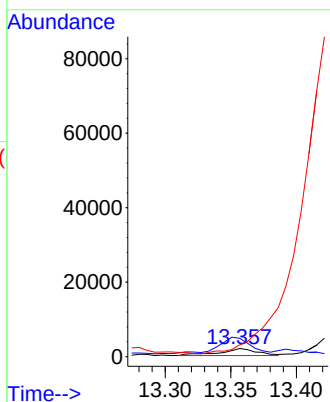
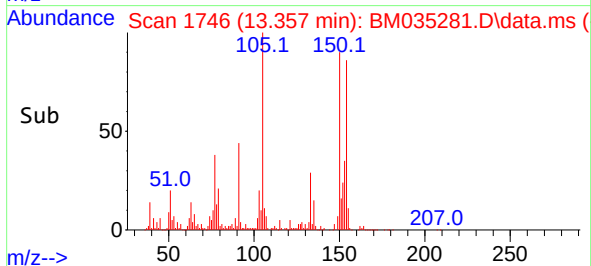
Instrument :
BNA_M
ClientSampleId :
TW-16



Tgt Ion:162 Resp: 3748
Ion Ratio Lower Upper
162 100
127 227.8 30.6 45.8#
164 146.8 26.6 39.8#

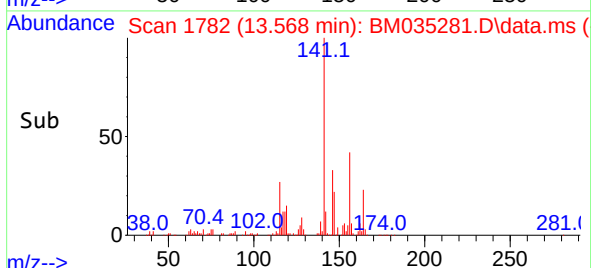
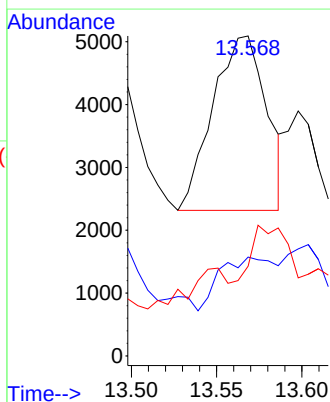
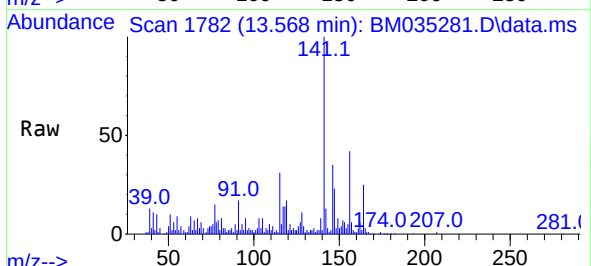
Manual Integrations
APPROVED

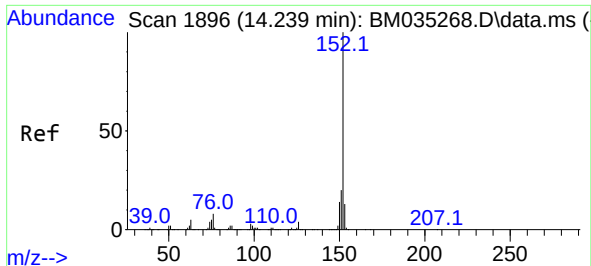
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022



#48
2-Nitroaniline
Concen: 0.913 ng
RT: 13.568 min Scan# 1782
Delta R.T. -0.036 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Tgt Ion: 65 Resp: 6093
Ion Ratio Lower Upper
65 100
92 30.9 53.7 80.5#
138 28.1 83.9 125.9#





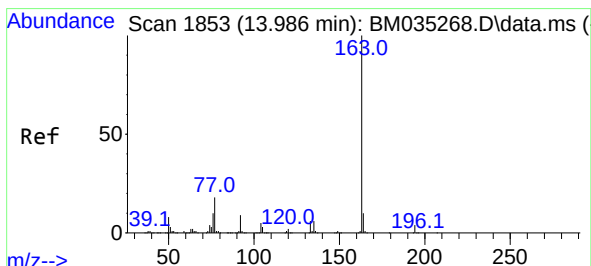
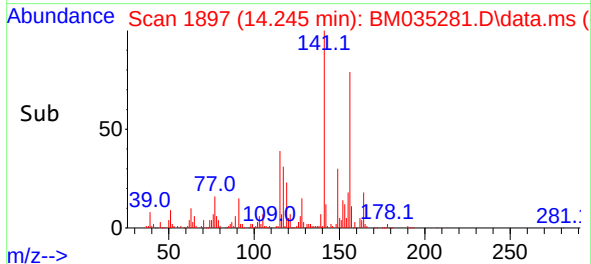
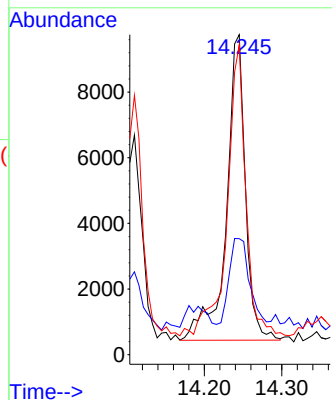
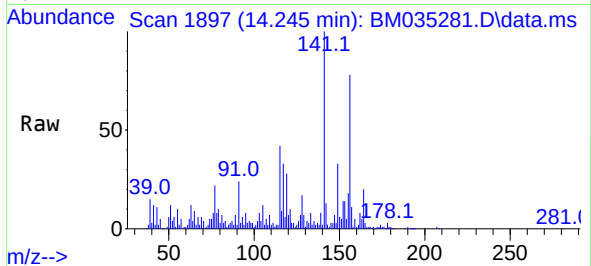
#49
Acenaphthylene
Concen: 0.397 ng
RT: 14.245 min Scan# 1897
Delta R.T. 0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Instrument :
BNA_M
ClientSampleId :
TW-16

Tgt Ion:152 Resp: 1600
Ion Ratio Lower Upper
152 100
151 36.3 16.2 24.2
153 96.8 10.5 15.7

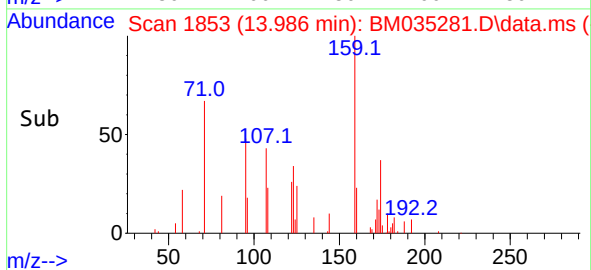
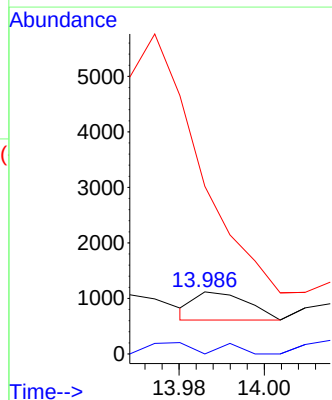
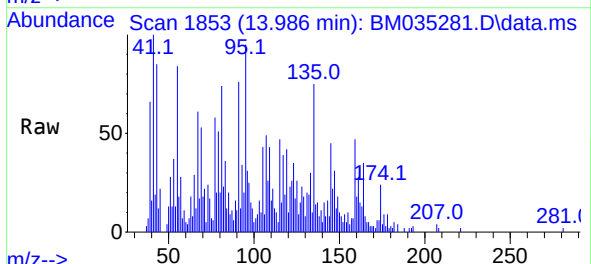
Manual Integrations
APPROVED

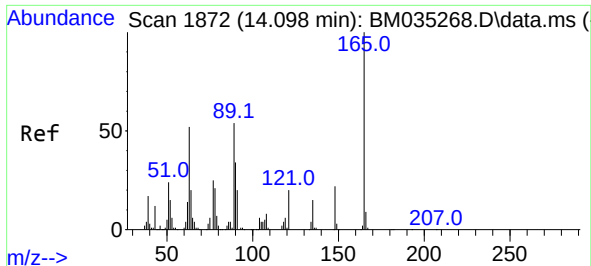
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022



#50
Dimethylphthalate
Concen: 0.012 ng
RT: 13.986 min Scan# 1853
Delta R.T. -0.000 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

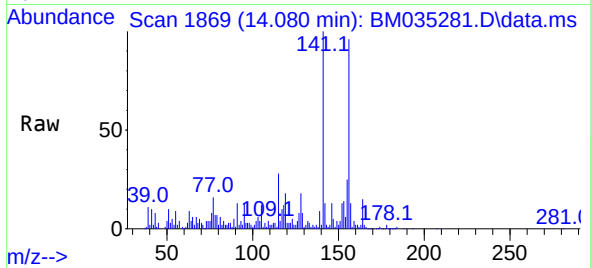
Tgt Ion:163 Resp: 431
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 270.5 8.4 12.6#





#51
2,6-Dinitrotoluene
Concen: 0.343 ng
RT: 14.080 min Scan# 1872
Delta R.T. -0.018 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

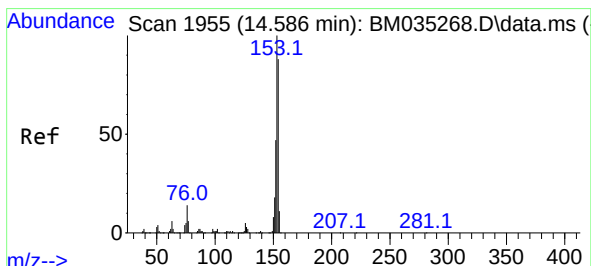
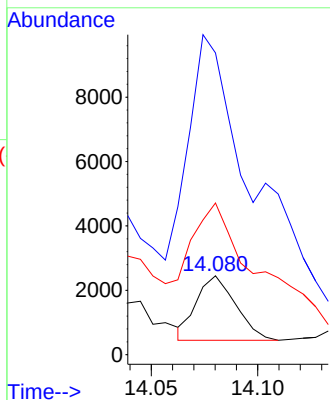
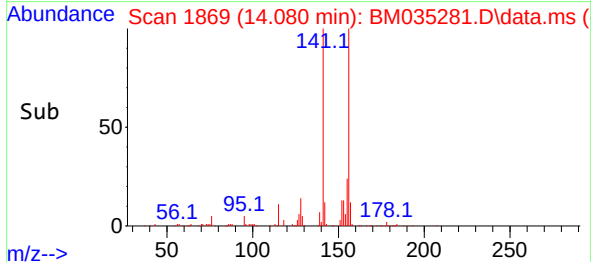
Instrument :
BNA_M
ClientSampleId :
TW-16



Tgt Ion:165 Resp: 255
Ion Ratio Lower Upper
165 100
63 382.5 50.2 75.2
89 192.2 48.4 72.6

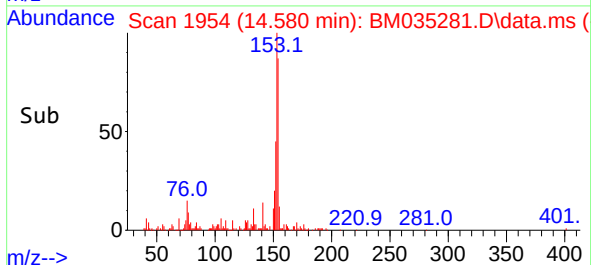
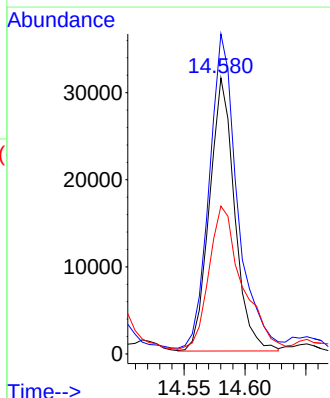
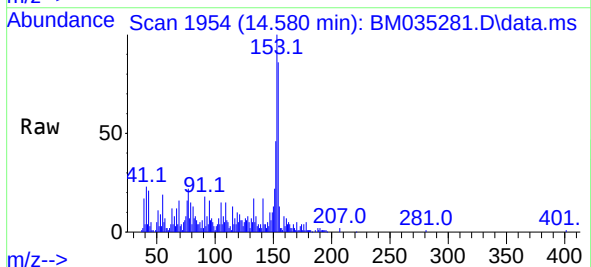
Manual Integrations
APPROVED

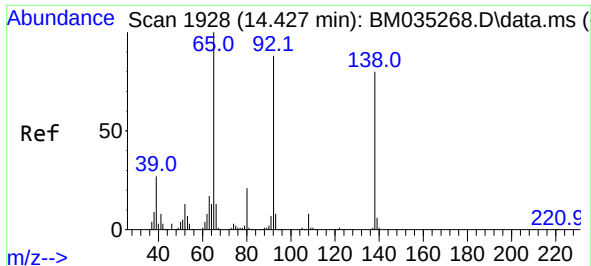
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022



#52
Acenaphthene
Concen: 1.849 ng
RT: 14.580 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

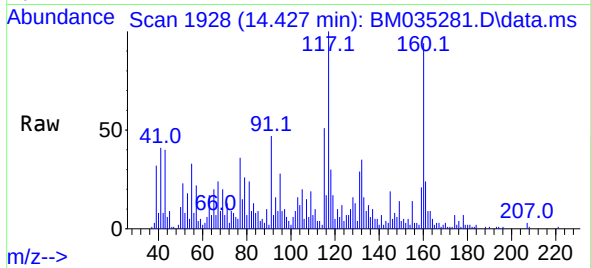
Tgt Ion:154 Resp: 45215
Ion Ratio Lower Upper
154 100
153 115.9 91.0 136.6
152 53.6 43.4 65.2





#53
3-Nitroaniline
Concen: 0.021 ng
RT: 14.427 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

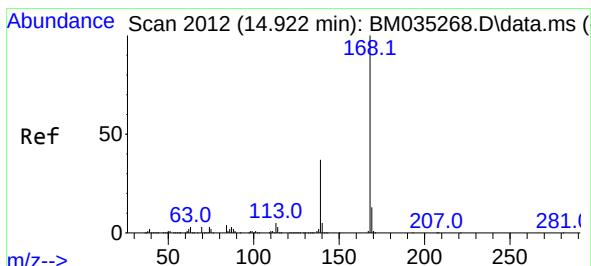
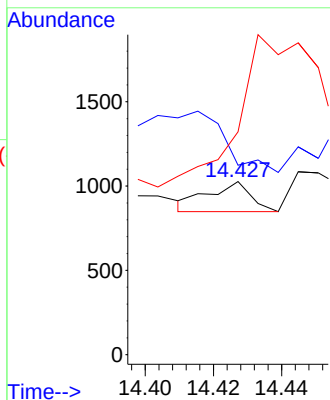
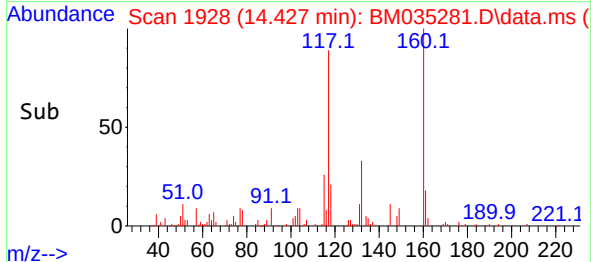
Instrument :
BNA_M
ClientSampleId :
TW-16



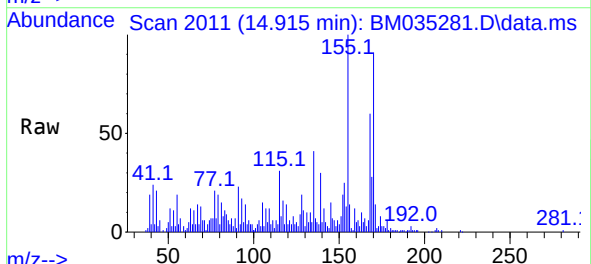
Tgt Ion:138 Resp: 154
Ion Ratio Lower Upper
138 100
108 109.4 8.7 13.1#
92 128.7 91.5 137.3

Manual Integrations
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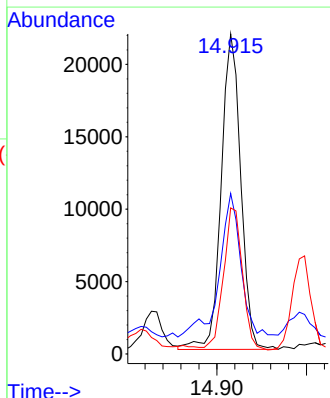
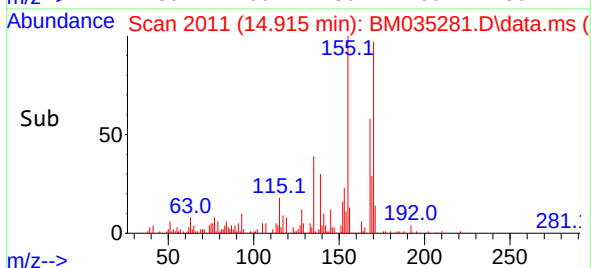
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

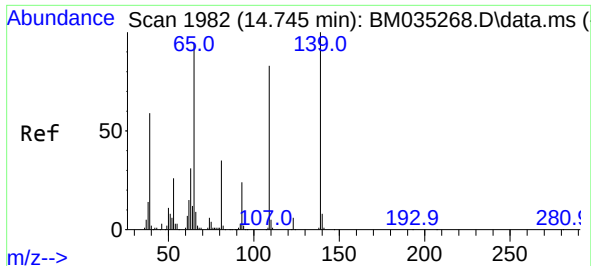


#55
Dibenzofuran
Concen: 0.782 ng
RT: 14.915 min Scan# 2011
Delta R.T. -0.007 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



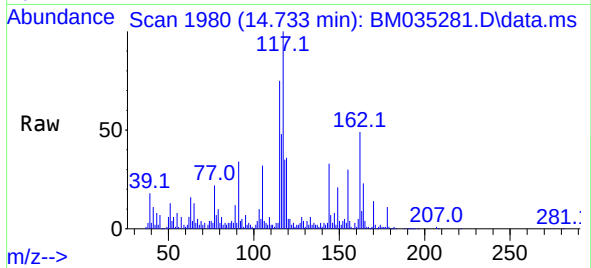
Tgt Ion:168 Resp: 32997
Ion Ratio Lower Upper
168 100
139 50.1 32.2 48.2#
169 45.6 10.6 16.0#





#56
4-Nitrophenol
Concen: 0.840 ng
RT: 14.733 min Scan# 1982
Delta R.T. -0.012 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

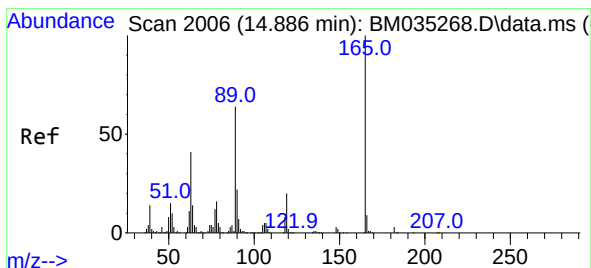
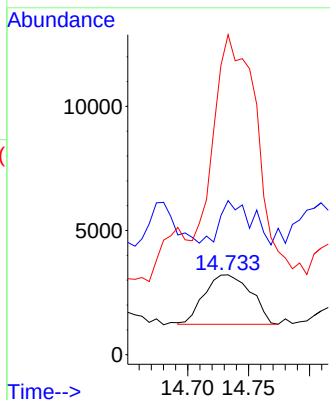
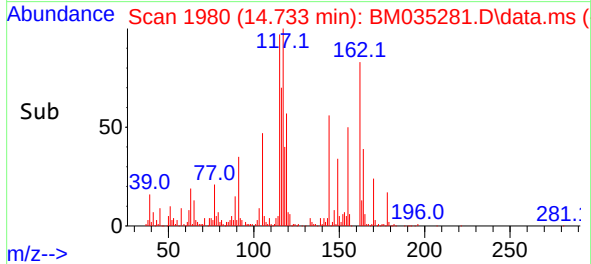
Instrument :
BNA_M
ClientSampleId :
TW-16



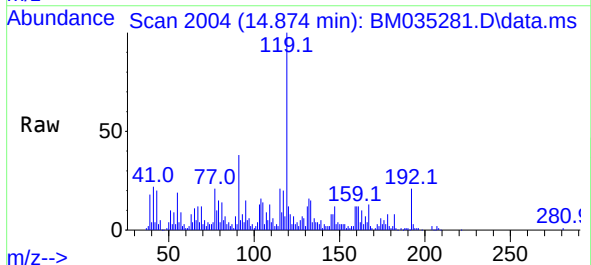
Tgt Ion:139 Resp: 529
Ion Ratio Lower Upper
139 100
109 193.0 62.5 102.5#
65 400.7 83.5 123.5#

Manual Integrations
APPROVED

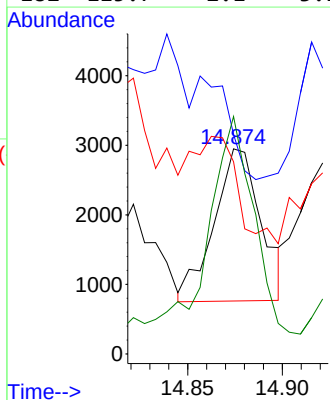
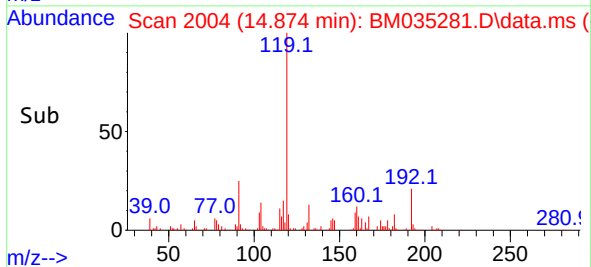
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

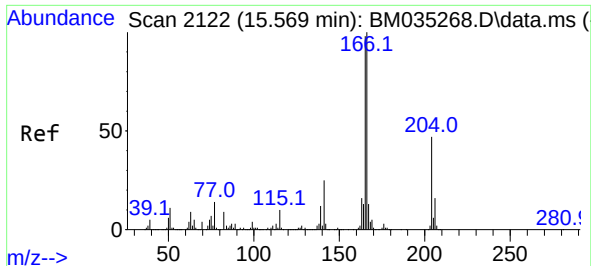


#57
2,4-Dinitrotoluene
Concen: 0.359 ng
RT: 14.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



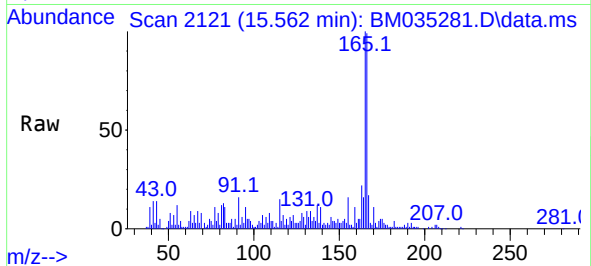
Tgt Ion:165 Resp: 3780
Ion Ratio Lower Upper
165 100
63 107.0 35.6 53.4#
89 93.7 57.3 85.9#
182 115.7 2.1 3.1#





#58
Fluorene
Concen: 2.373 ng
RT: 15.562 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

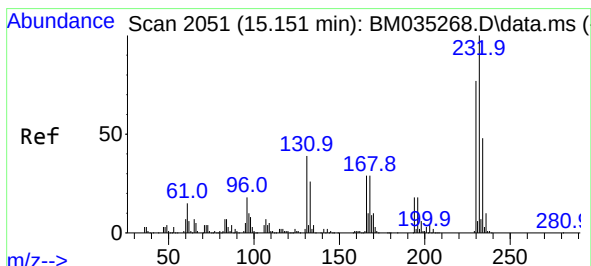
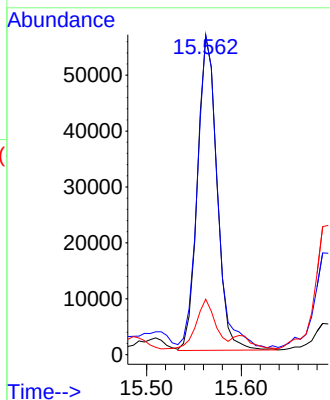
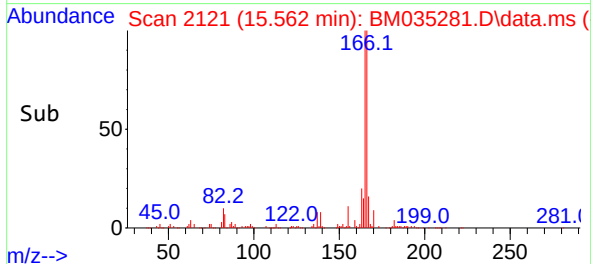
Instrument :
BNA_M
ClientSampleId :
TW-16



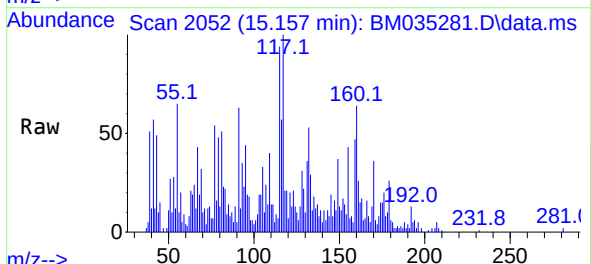
Tgt Ion:166 Resp: 80572
Ion Ratio Lower Upper
166 100
165 100.7 79.4 119.2
167 17.5 10.6 16.0

Manual Integrations
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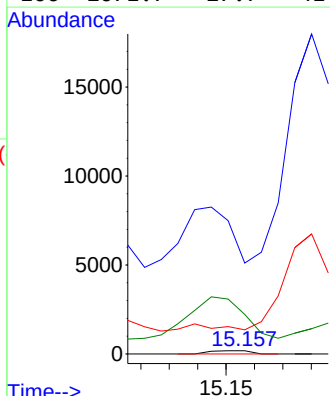
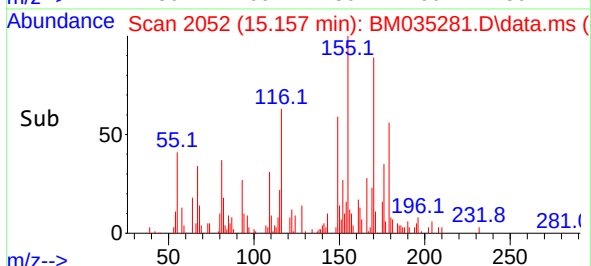
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

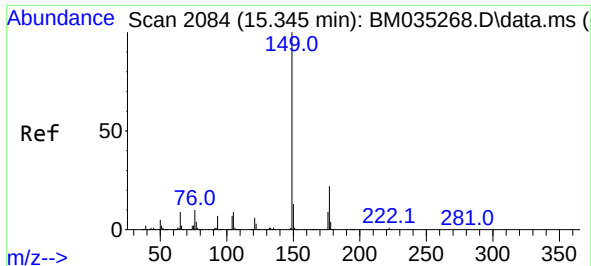


#59
2,3,4,6-Tetrachlorophenol
Concen: 0.017 ng
RT: 15.157 min Scan# 2052
Delta R.T. 0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



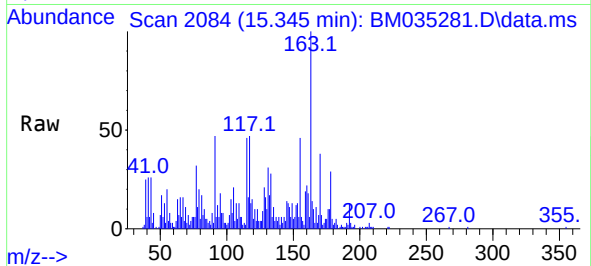
Tgt Ion:232 Resp: 180
Ion Ratio Lower Upper
232 100
131 3288.9 41.0 61.6#
130 0.0 2.3 3.5#
166 2671.7 27.7 41.5#





#60
Diethylphthalate
Concen: 0.100 ng
RT: 15.345 min Scan# 2084
Delta R.T. -0.000 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

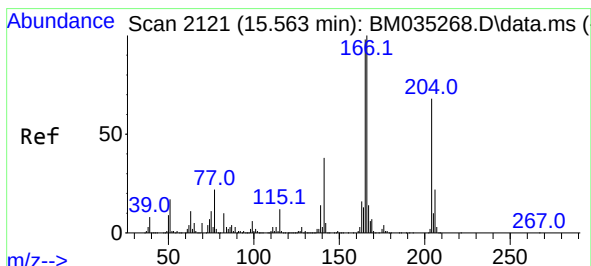
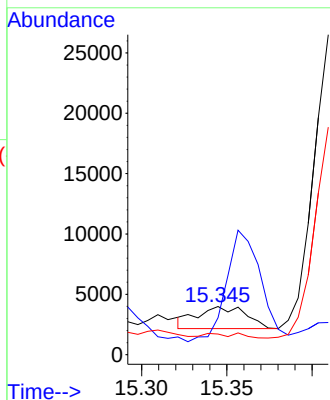
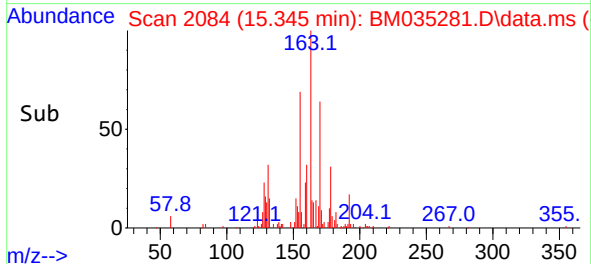
Instrument :
BNA_M
ClientSampleId :
TW-16



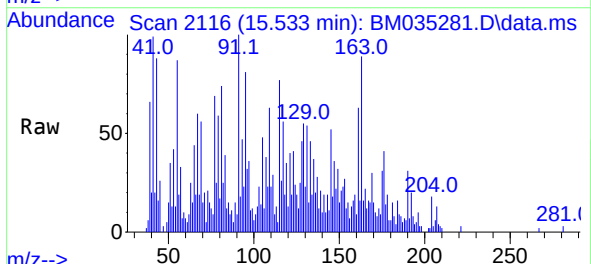
Tgt Ion:149 Resp: 3589
Ion Ratio Lower Upper
149 100
177 76.6 16.9 25.3
150 43.0 10.1 15.1

Manual Integrations
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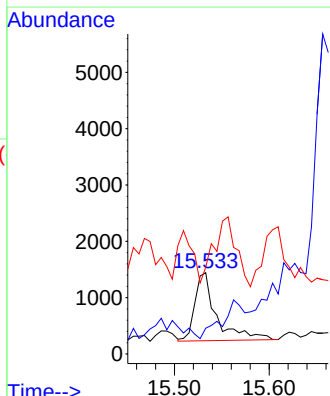
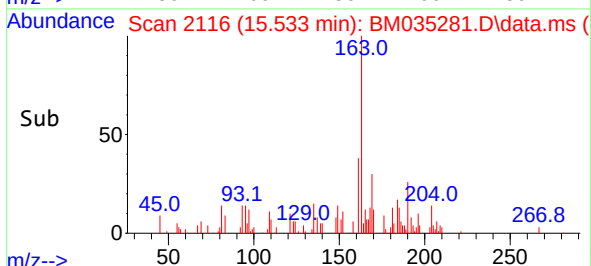
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

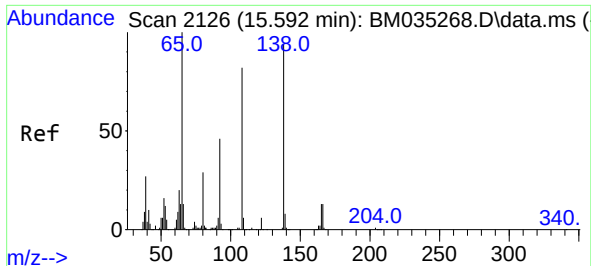


#61
4-Chlorophenyl-phenylether
Concen: 0.102 ng
RT: 15.533 min Scan# 2116
Delta R.T. -0.030 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



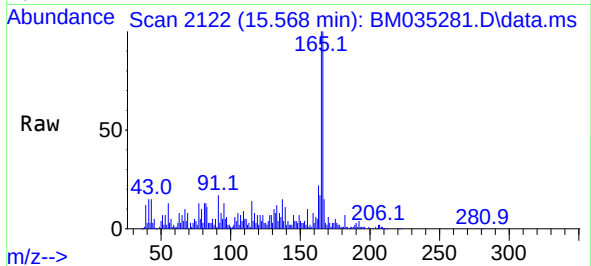
Tgt Ion:204 Resp: 1923
Ion Ratio Lower Upper
204 100
206 31.8 26.3 39.5
141 106.6 51.2 76.8





#62
4-Nitroaniline
Concen: 0.397 ng
RT: 15.568 min Scan# 2118
Delta R.T. -0.024 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

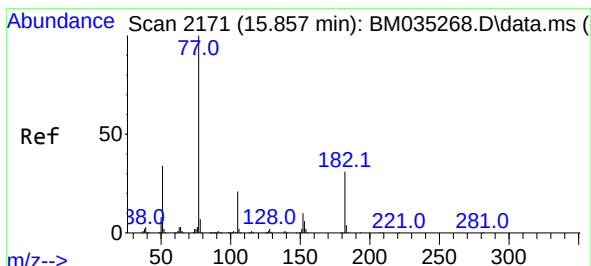
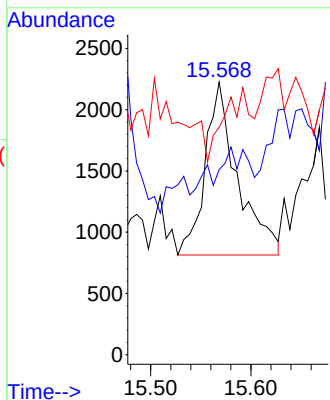
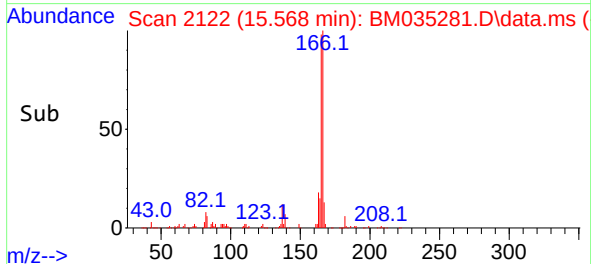
Instrument :
BNA_M
ClientSampleId :
TW-16



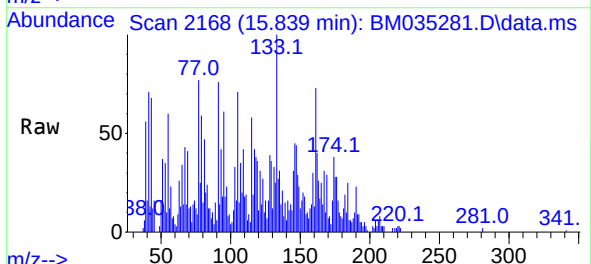
Tgt Ion:138 Resp: 3148
Ion Ratio Lower Upper
138 100
92 67.9 30.8 70.8
108 83.4 65.7 105.7

Manual Integrations
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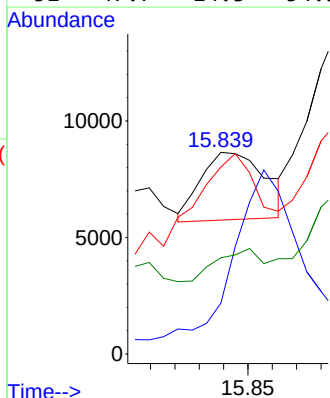
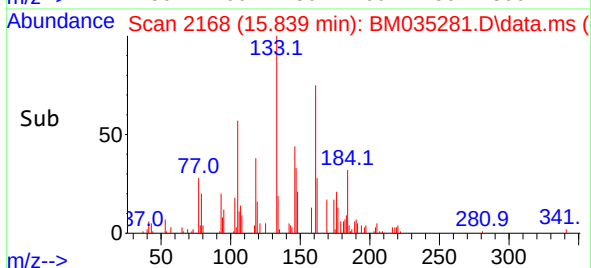
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

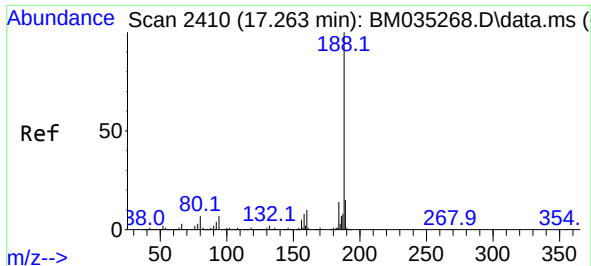


#63
Azobenzene
Concen: 0.195 ng
RT: 15.839 min Scan# 2168
Delta R.T. -0.018 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



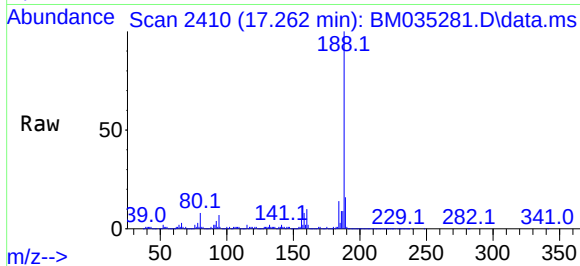
Tgt Ion: 77 Resp: 5349
Ion Ratio Lower Upper
77 100
182 25.3 4.9 44.9
105 92.7 0.0 39.6#
51 47.7 14.3 54.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.262 min Scan# 2410
Delta R.T. -0.001 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

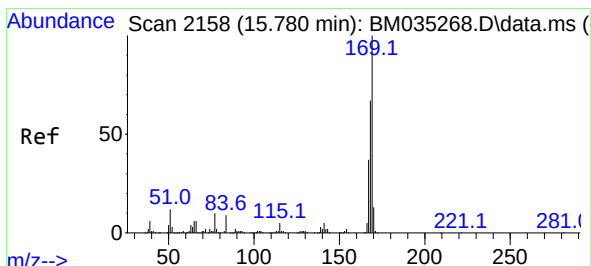
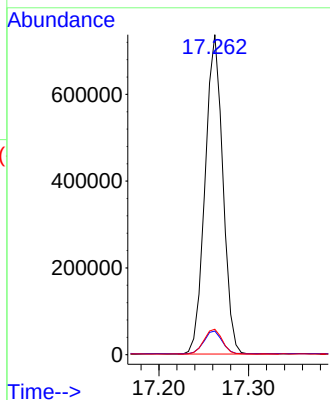
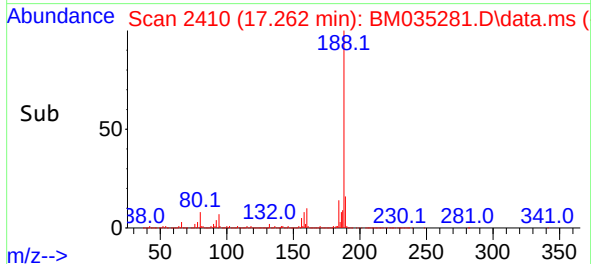
Instrument :
BNA_M
ClientSampleId :
TW-16



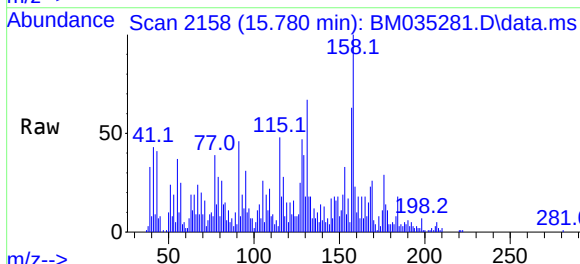
Tgt Ion:188 Resp: 1011310
Ion Ratio Lower Upper
188 100
94 7.4 7.0 10.4
80 8.0 7.6 11.4

Manual Integrations
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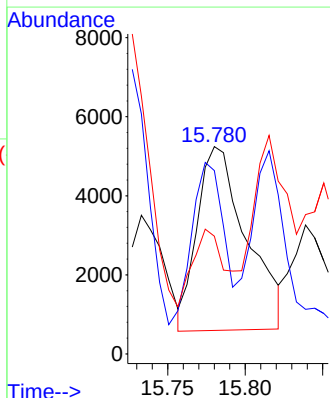
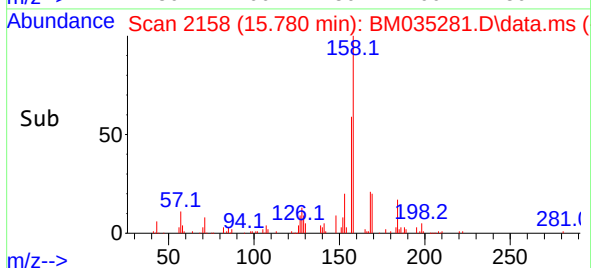
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

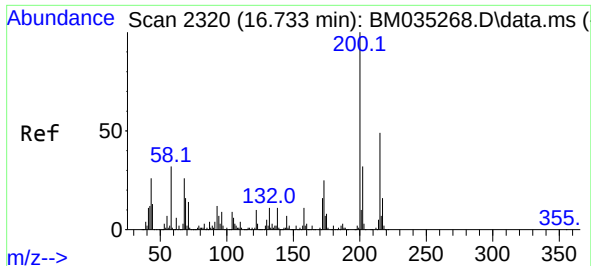


#66
n-Nitrosodiphenylamine
Concen: 0.367 ng
RT: 15.780 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



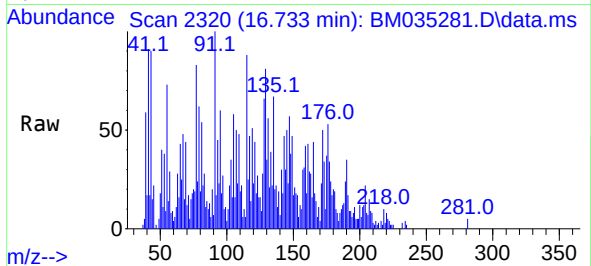
Tgt Ion:169 Resp: 10288
Ion Ratio Lower Upper
169 100
168 88.4 54.3 81.5#
167 56.8 29.4 44.0#





#69
Atrazine
Concen: 0.109 ng
RT: 16.733 min Scan# 2116
Delta R.T. -0.000 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

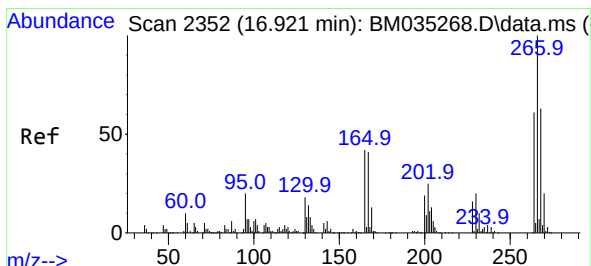
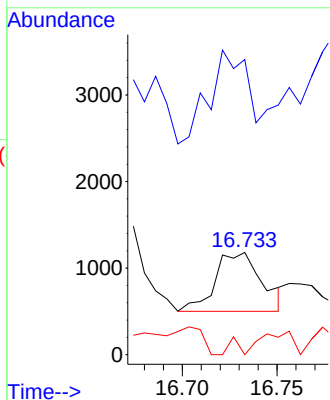
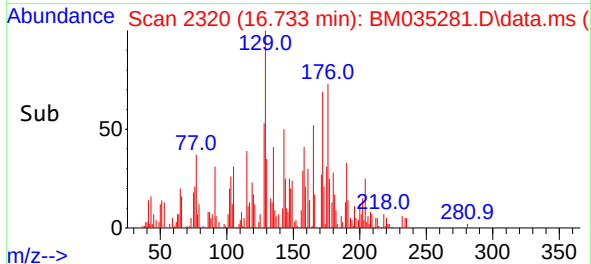
Instrument :
BNA_M
ClientSampleId :
TW-16



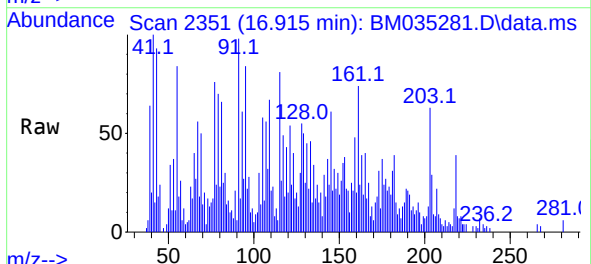
Tgt Ion:200 Resp: 116
Ion Ratio Lower Upper
200 100
173 288.7 6.6 46.6
215 0.0 26.2 66.2

Manual Integrations
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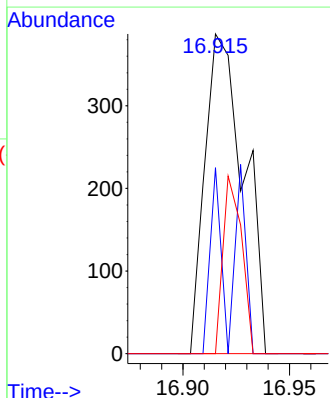
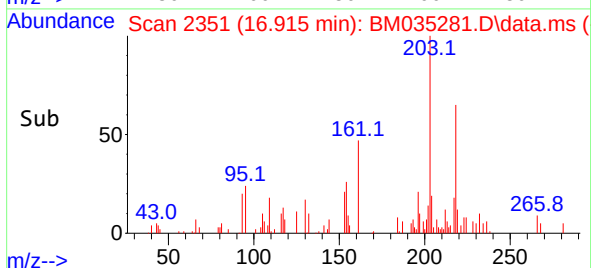
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

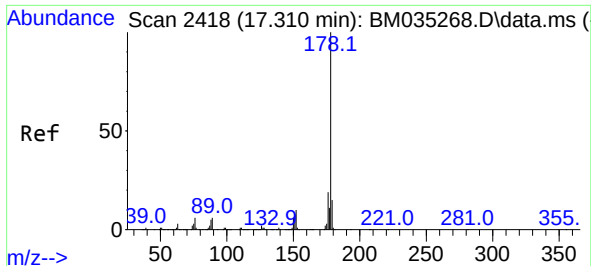


#70
Pentachlorophenol
Concen: 0.060 ng
RT: 16.915 min Scan# 2351
Delta R.T. -0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



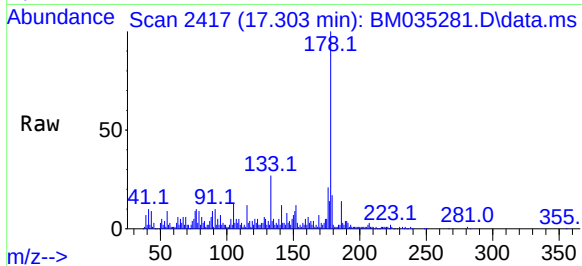
Tgt Ion:266 Resp: 493
Ion Ratio Lower Upper
266 100
268 58.1 51.9 77.9
264 0.0 50.6 76.0





#71
Phenanthrene
Concen: 2.625 ng
RT: 17.303 min Scan# 2418
Delta R.T. -0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

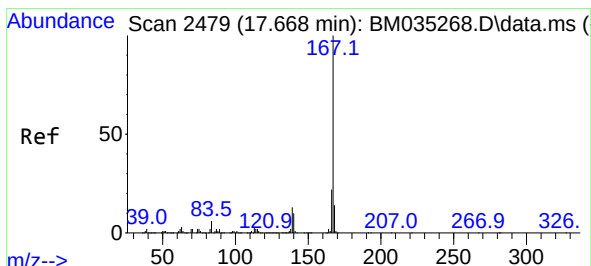
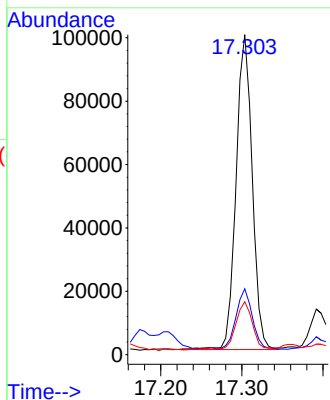
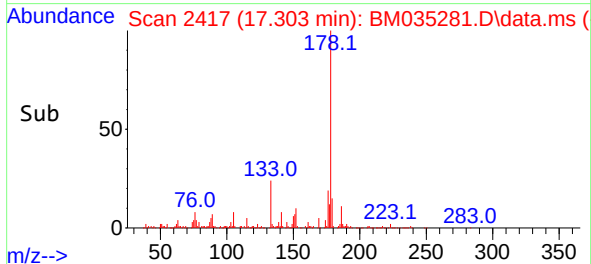
Instrument :
BNA_M
ClientSampleId :
TW-16



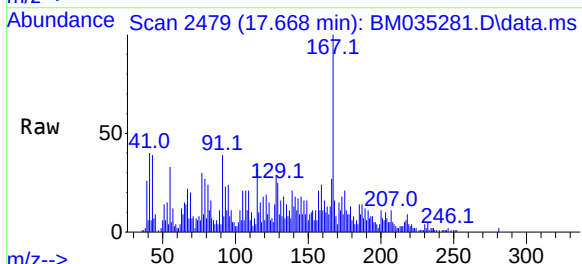
Tgt Ion:178 Resp: 13697
Ion Ratio Lower Upper
178 100
176 20.6 15.4 23.0
179 16.6 12.4 18.6

Manual Integrations
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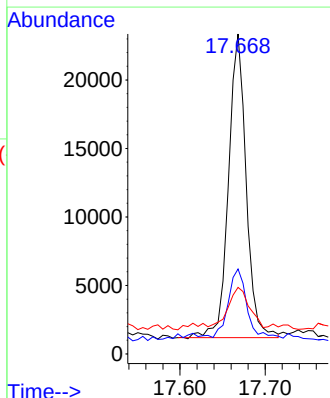
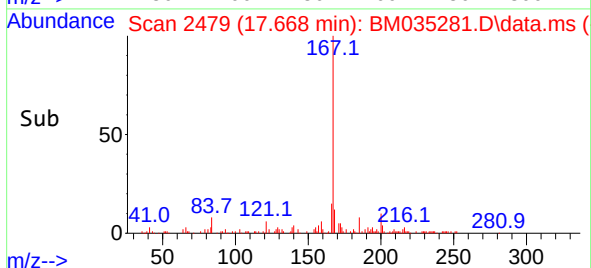
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

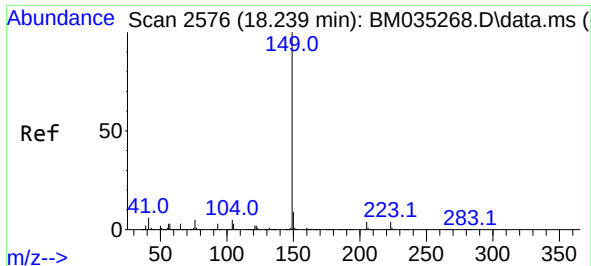


#73
Carbazole
Concen: 0.642 ng
RT: 17.668 min Scan# 2479
Delta R.T. -0.000 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



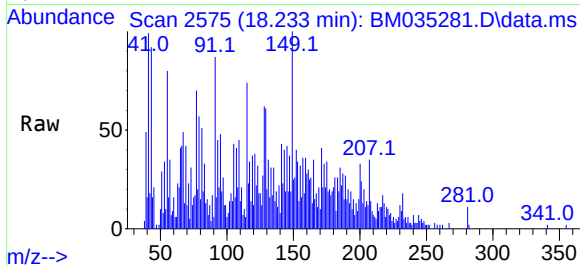
Tgt Ion:167 Resp: 31961
Ion Ratio Lower Upper
167 100
166 26.6 17.8 26.8
139 20.8 10.9 16.3#





#74
Di-n-butylphthalate
Concen: 0.183 ng
RT: 18.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

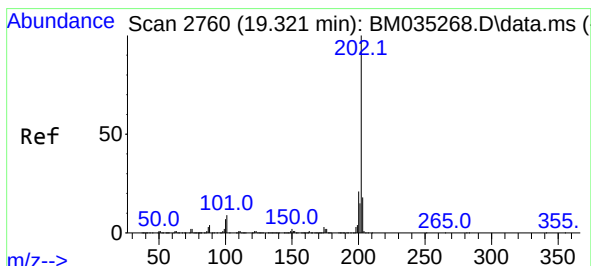
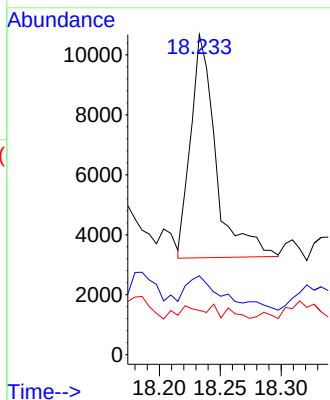
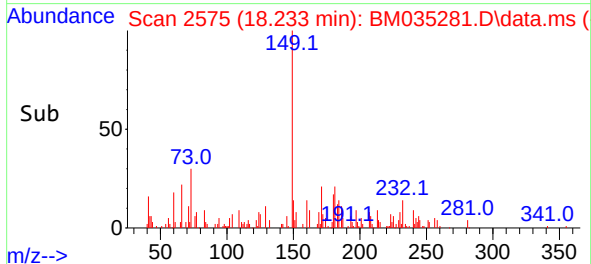
Instrument :
BNA_M
ClientSampleId :
TW-16



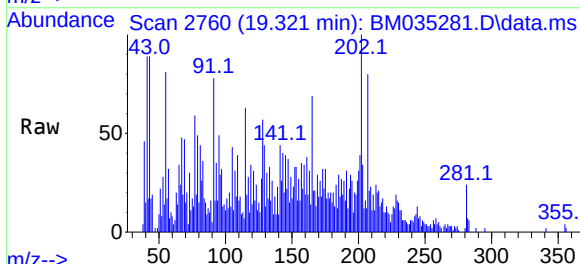
Tgt Ion:149 Resp: 10712
Ion Ratio Lower Upper
149 100
150 24.7 7.3 10.9
104 13.9 4.3 6.5

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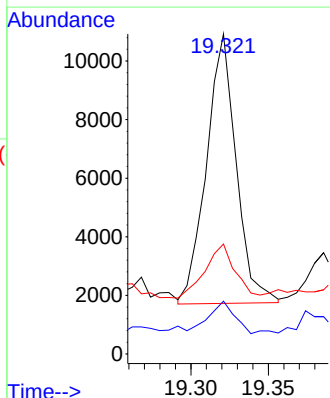
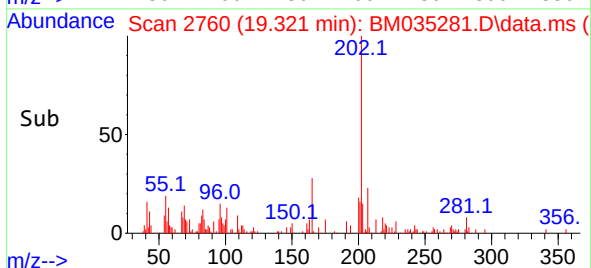
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

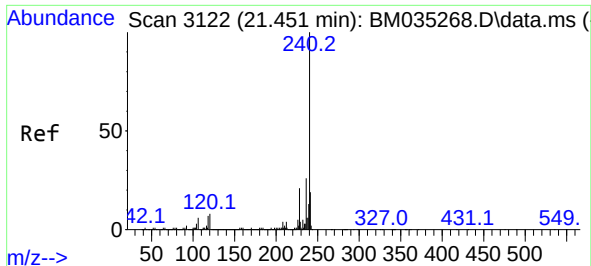


#75
Fluoranthene
Concen: 0.188 ng
RT: 19.321 min Scan# 2760
Delta R.T. -0.000 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



Tgt Ion:202 Resp: 12272
Ion Ratio Lower Upper
202 100
101 16.5 0.0 30.6
203 34.4 0.0 37.4





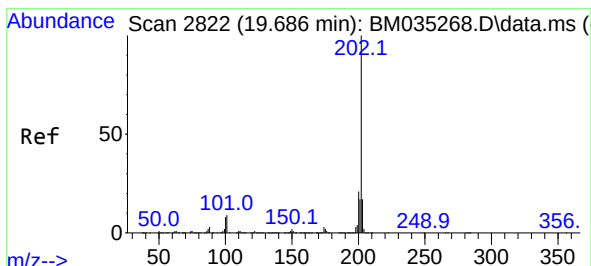
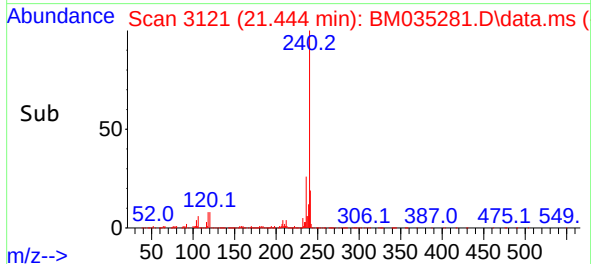
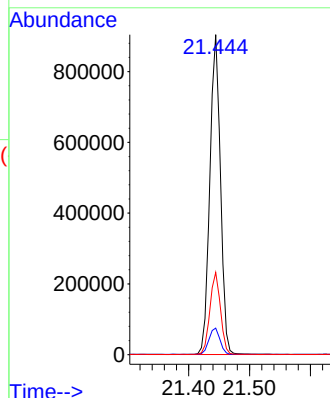
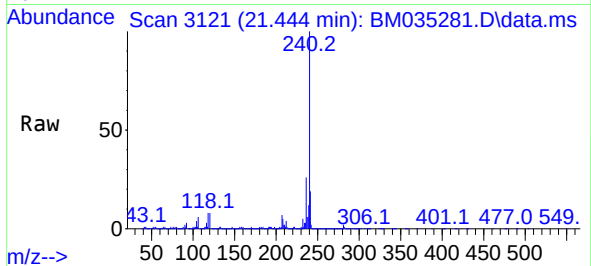
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Instrument :
BNA_M
ClientSampleId :
TW-16

Tgt Ion:240 Resp: 109541
Ion Ratio Lower Upper
240 100
120 8.3 9.4 14.0#
236 25.7 20.6 30.8

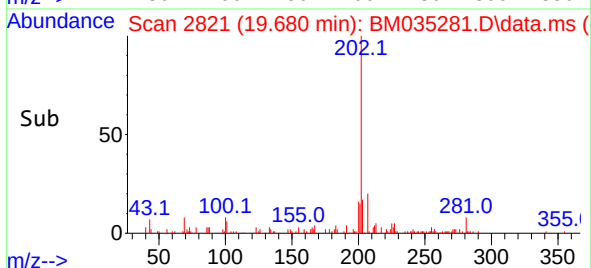
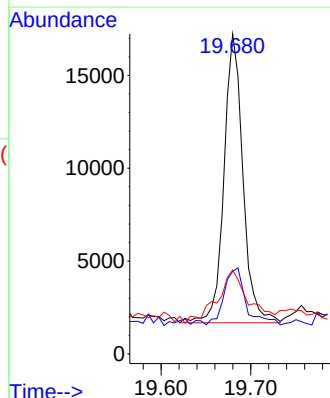
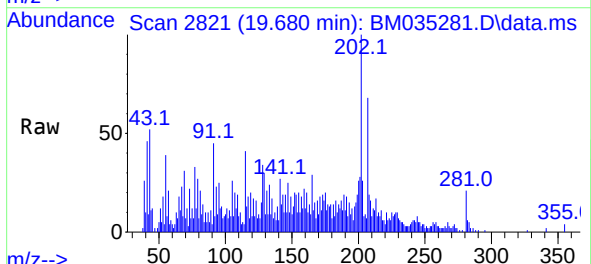
Manual Integrations
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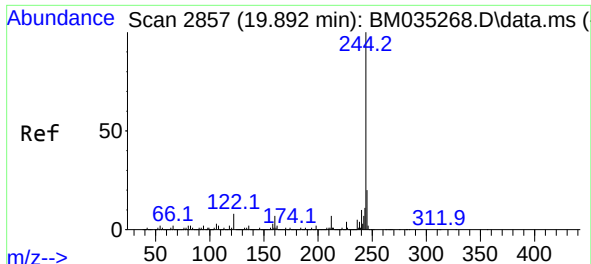
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022



#78
Pyrene
Concen: 0.356 ng
RT: 19.680 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

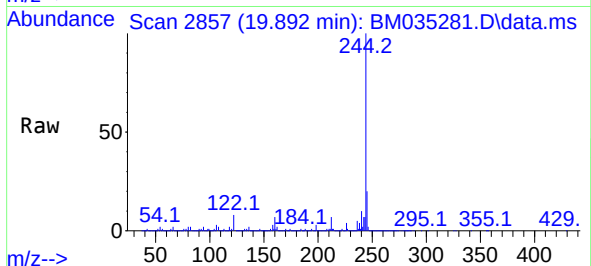
Tgt Ion:202 Resp: 22877
Ion Ratio Lower Upper
202 100
200 25.8 16.7 25.1#
203 26.3 13.9 20.9#





#79
 Terphenyl-d14
 Concen: 90.423 ng
 RT: 19.892 min Scan# 2857
 Delta R.T. -0.000 min
 Lab File: BM035281.D
 Acq: 26 May 2022 23:06

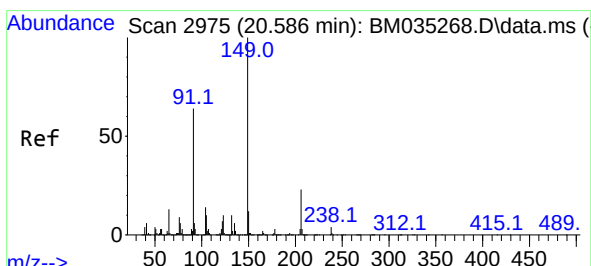
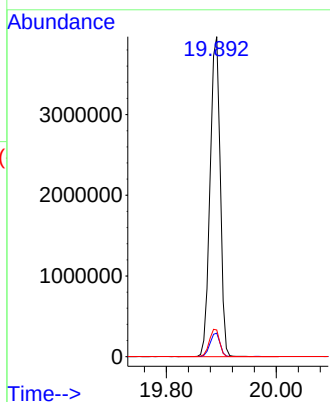
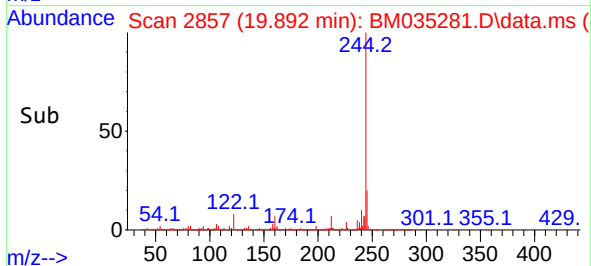
Instrument :
 BNA_M
 ClientSampleId :
 TW-16



Tgt Ion:244 Resp: 505794
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 8.4 8.3 12.5

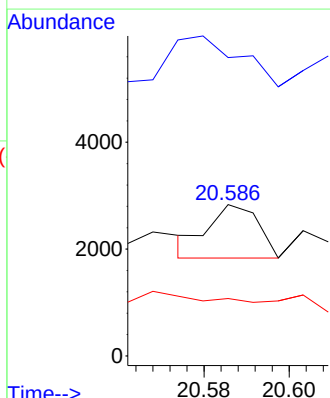
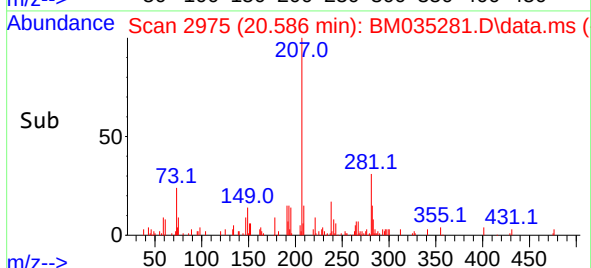
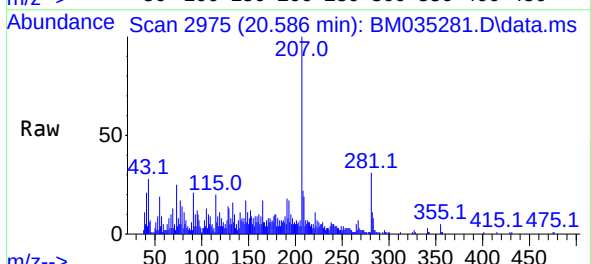
Manual Integrations
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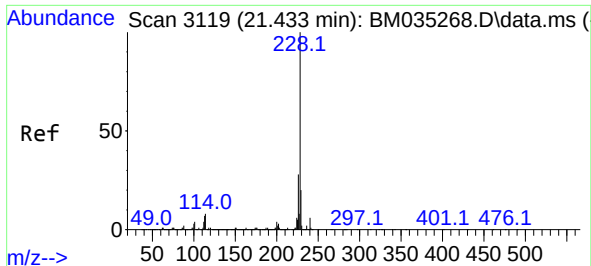
Reviewed By :Christian Giraldo 05/27/2022
 Supervised By :Jagrut Upadhyay 05/27/2022



#80
 Butylbenzylphthalate
 Concen: 0.031 ng
 RT: 20.586 min Scan# 2975
 Delta R.T. -0.000 min
 Lab File: BM035281.D
 Acq: 26 May 2022 23:06

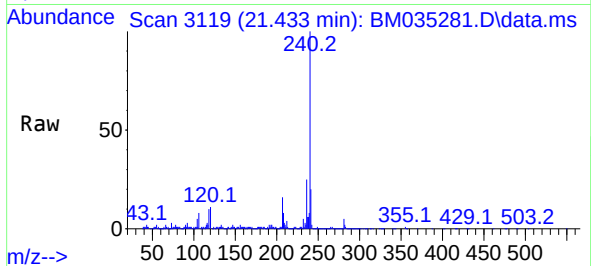
Tgt Ion:149 Resp: 798
 Ion Ratio Lower Upper
 149 100
 91 197.2 56.6 85.0#
 206 38.0 15.4 23.0#





#81
Benzo(a)anthracene
Concen: 0.134 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.000 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

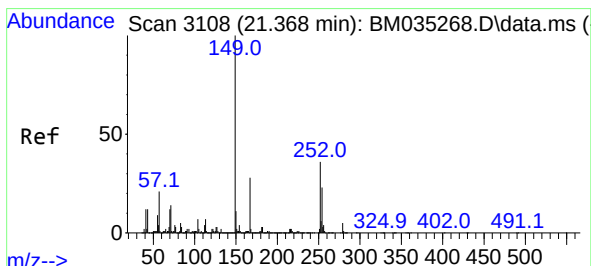
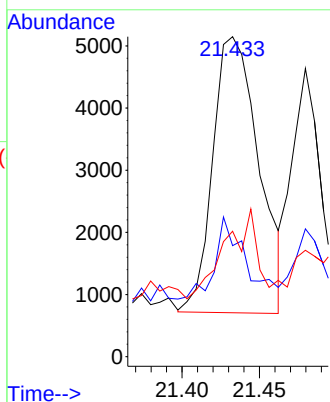
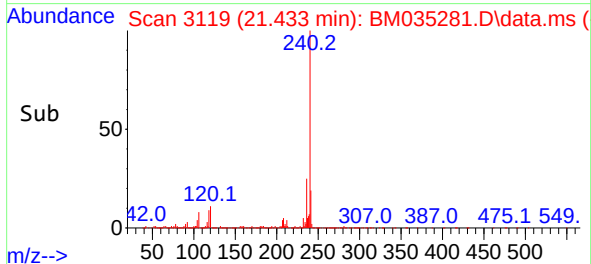
Instrument :
BNA_M
ClientSampleId :
TW-16



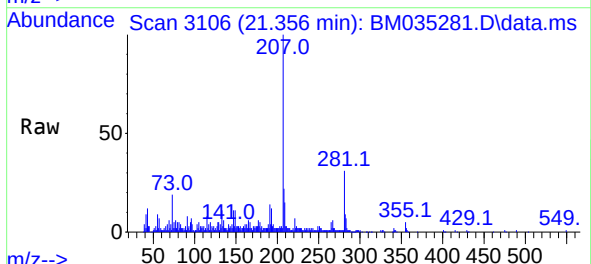
Tgt Ion:228 Resp: 917
Ion Ratio Lower Upper
228 100
226 34.7 22.3 33.5
229 39.2 15.8 23.6

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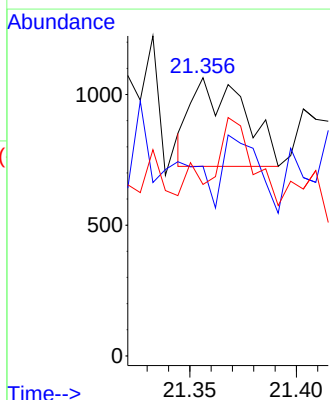
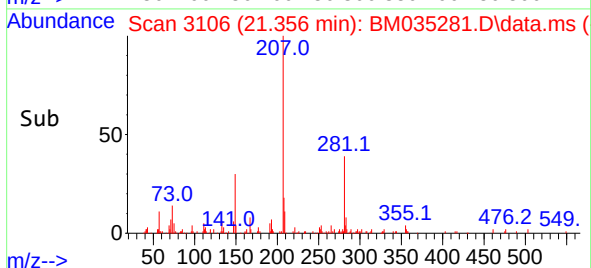
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

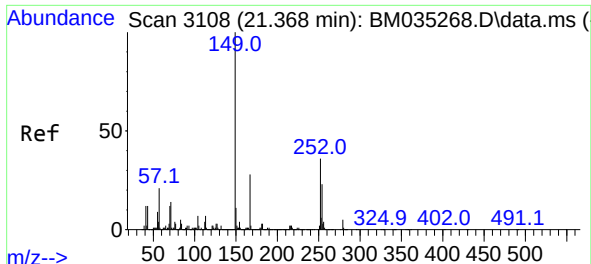


#82
3,3'-Dichlorobenzidine
Concen: 0.034 ng
RT: 21.356 min Scan# 3106
Delta R.T. -0.012 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



Tgt Ion:252 Resp: 579
Ion Ratio Lower Upper
252 100
254 68.2 51.7 77.5
126 61.7 9.4 14.0





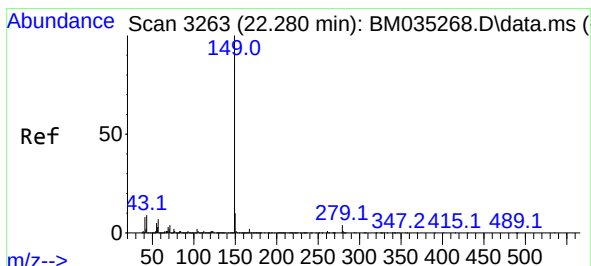
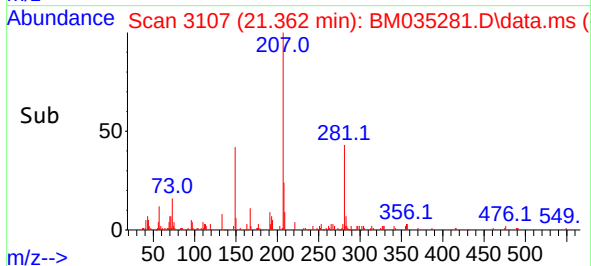
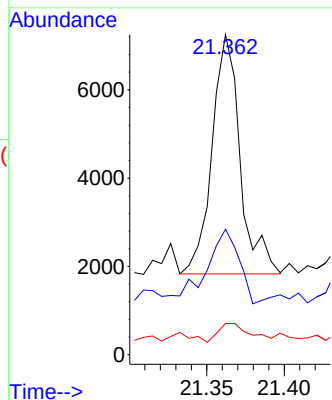
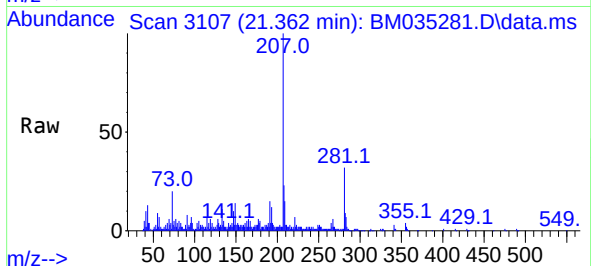
#84
Bis(2-ethylhexyl)phthalate
Concen: 0.174 ng
RT: 21.362 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Instrument :
BNA_M
ClientSampleId :
TW-16

Tgt Ion:149 Resp: 683
Ion Ratio Lower Upper
149 100
167 39.2 21.1 31.7
279 9.7 2.8 4.2

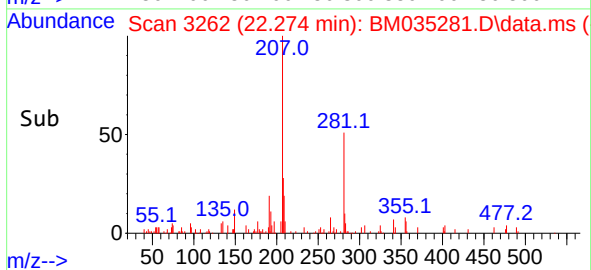
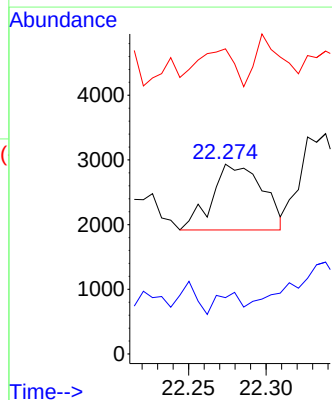
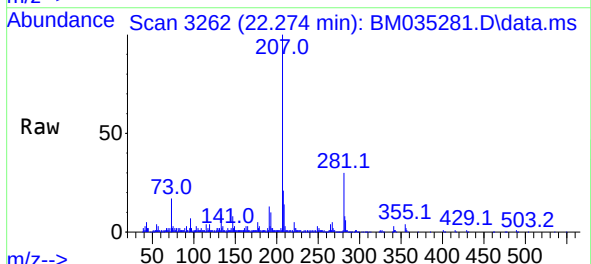
Manual Integrations
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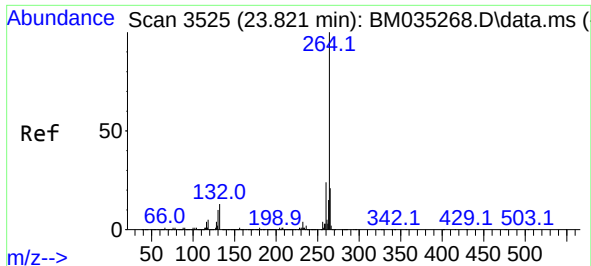
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022



#85
Di-n-octyl phthalate
Concen: 0.034 ng
RT: 22.274 min Scan# 3262
Delta R.T. -0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

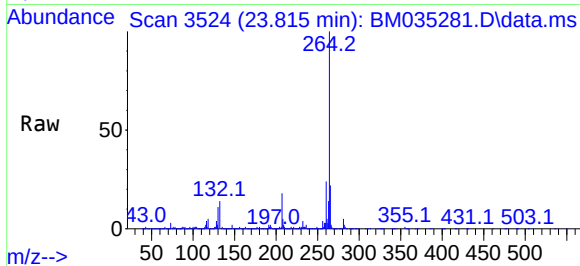
Tgt Ion:149 Resp: 2307
Ion Ratio Lower Upper
149 100
167 15.5 1.3 1.9#
43 41.0 8.6 12.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.815 min Scan# 3525
Delta R.T. -0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

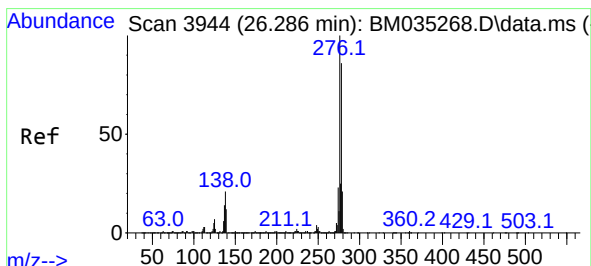
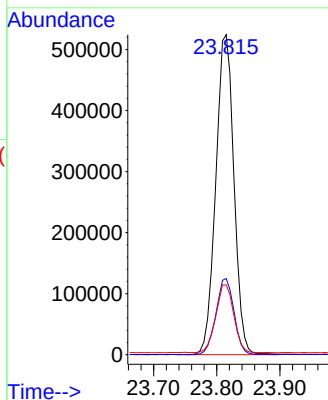
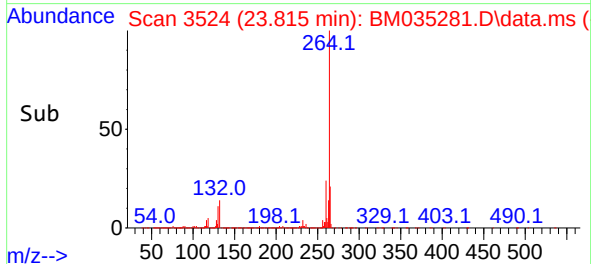
Instrument :
BNA_M
ClientSampleId :
TW-16



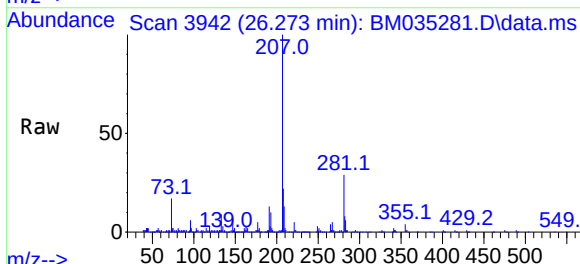
Tgt Ion:264 Resp: 1046529
Ion Ratio Lower Upper
264 100
260 23.8 18.9 28.3
265 21.8 17.5 26.3

Manual Integrations
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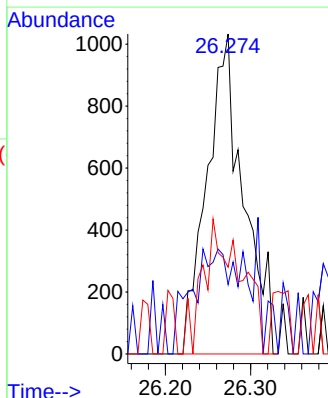
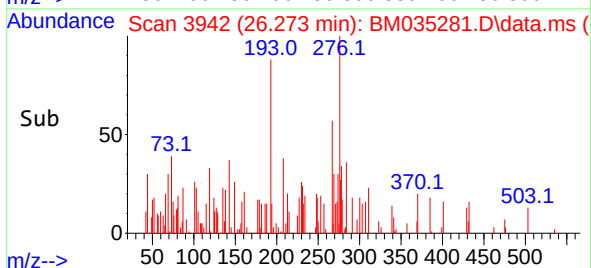
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

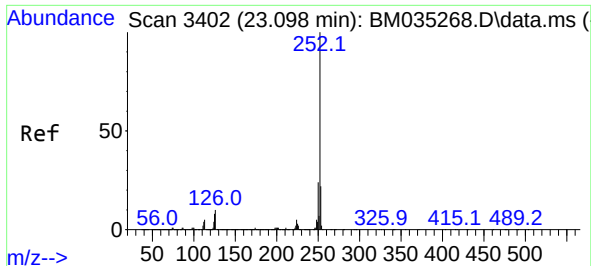


#87
Indeno(1,2,3-cd)pyrene
Concen: 0.045 ng
RT: 26.273 min Scan# 3942
Delta R.T. -0.012 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



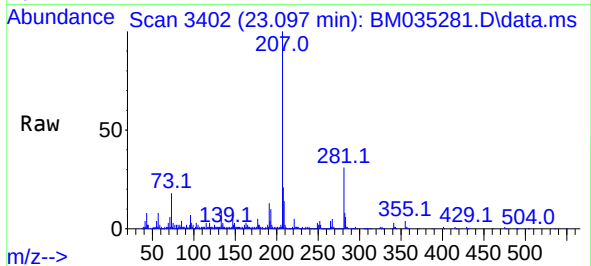
Tgt Ion:276 Resp: 3093
Ion Ratio Lower Upper
276 100
138 0.0 20.2 30.4#
277 0.0 20.2 30.2#





#88
Benzo(b)fluoranthene
Concen: 0.097 ng
RT: 23.097 min Scan# 3402
Delta R.T. -0.000 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

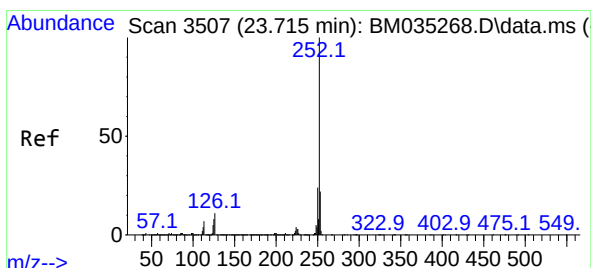
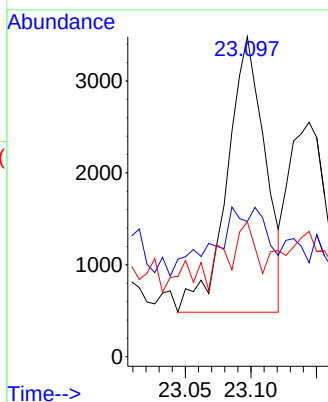
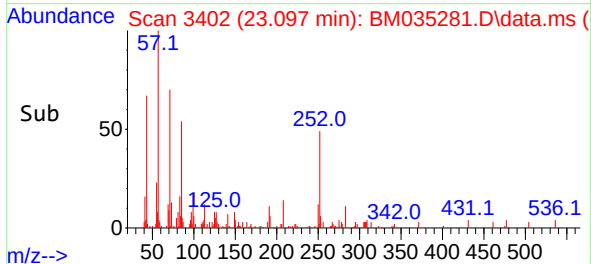
Instrument :
BNA_M
ClientSampleId :
TW-16



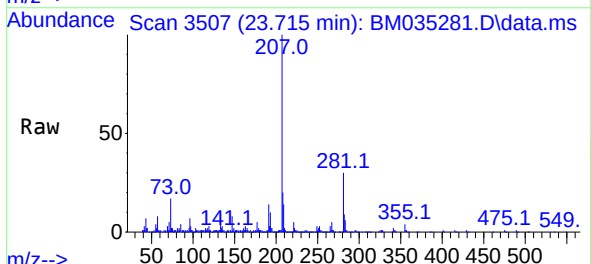
Tgt Ion:252 Resp: 6010
Ion Ratio Lower Upper
252 100
253 42.2 17.6 26.4#
125 42.2 7.6 11.4#

Manual Integrations
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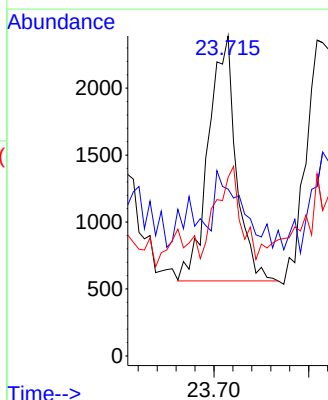
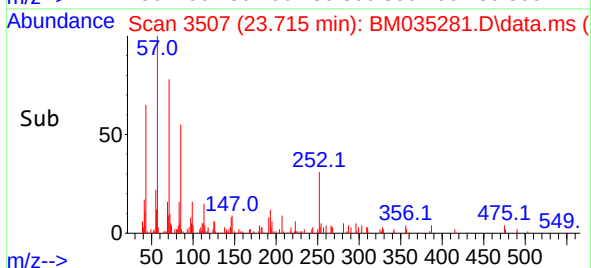
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

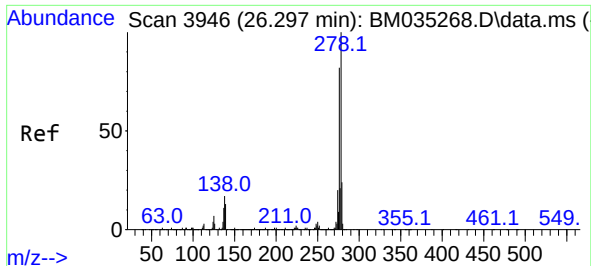


#90
Benzo(a)pyrene
Concen: 0.072 ng
RT: 23.715 min Scan# 3507
Delta R.T. -0.000 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



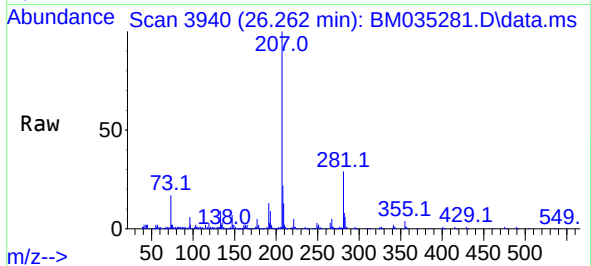
Tgt Ion:252 Resp: 3716
Ion Ratio Lower Upper
252 100
253 52.1 17.2 25.8#
125 55.8 8.7 13.1#





#91
Dibenzo(a,h)anthracene
Concen: 0.041 ng
RT: 26.262 min Scan# 3946
Delta R.T. -0.036 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

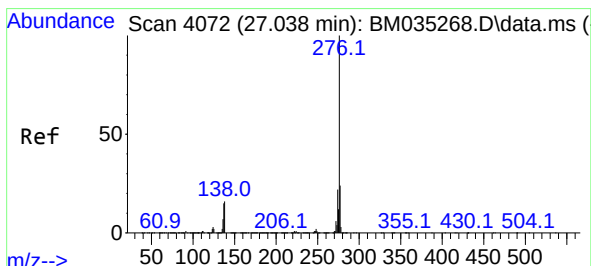
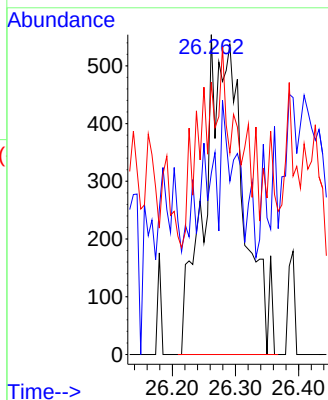
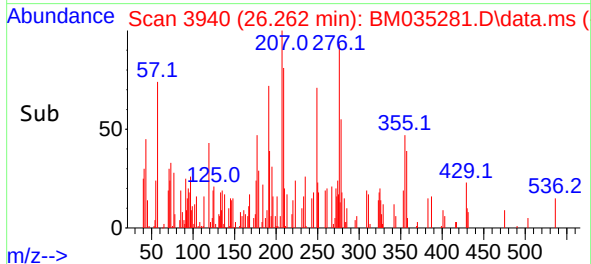
Instrument :
BNA_M
ClientSampleId :
TW-16



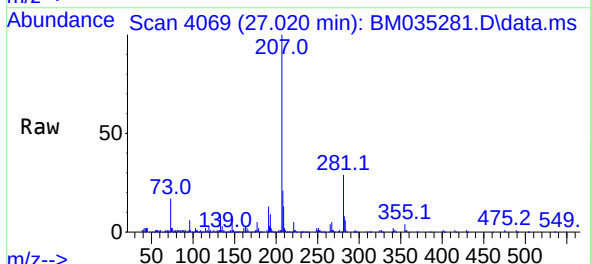
Tgt Ion: 278 Resp: 2372
Ion Ratio Lower Upper
278 100
139 56.7 12.9 19.3
279 85.2 18.7 28.1

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Reviewed By : Christian Giraldo 05/27/2022
Supervised By : Jagrut Upadhyay 05/27/2022



#92
Benzo(g,h,i)perylene
Concen: 0.059 ng
RT: 27.020 min Scan# 4069
Delta R.T. -0.018 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06



Tgt Ion: 276 Resp: 3280
Ion Ratio Lower Upper
276 100
277 23.9 18.7 28.1
138 22.1 17.6 26.4

