

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101321\
 Data File : BM032505.D
 Acq On : 13 Oct 2021 20:41
 Operator : CG/JU
 Sample : M4156-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 20-20211008-WC

Quant Time: Oct 14 02:32:31 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 13 12:02:28 2021
 Response via : Initial Calibration

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

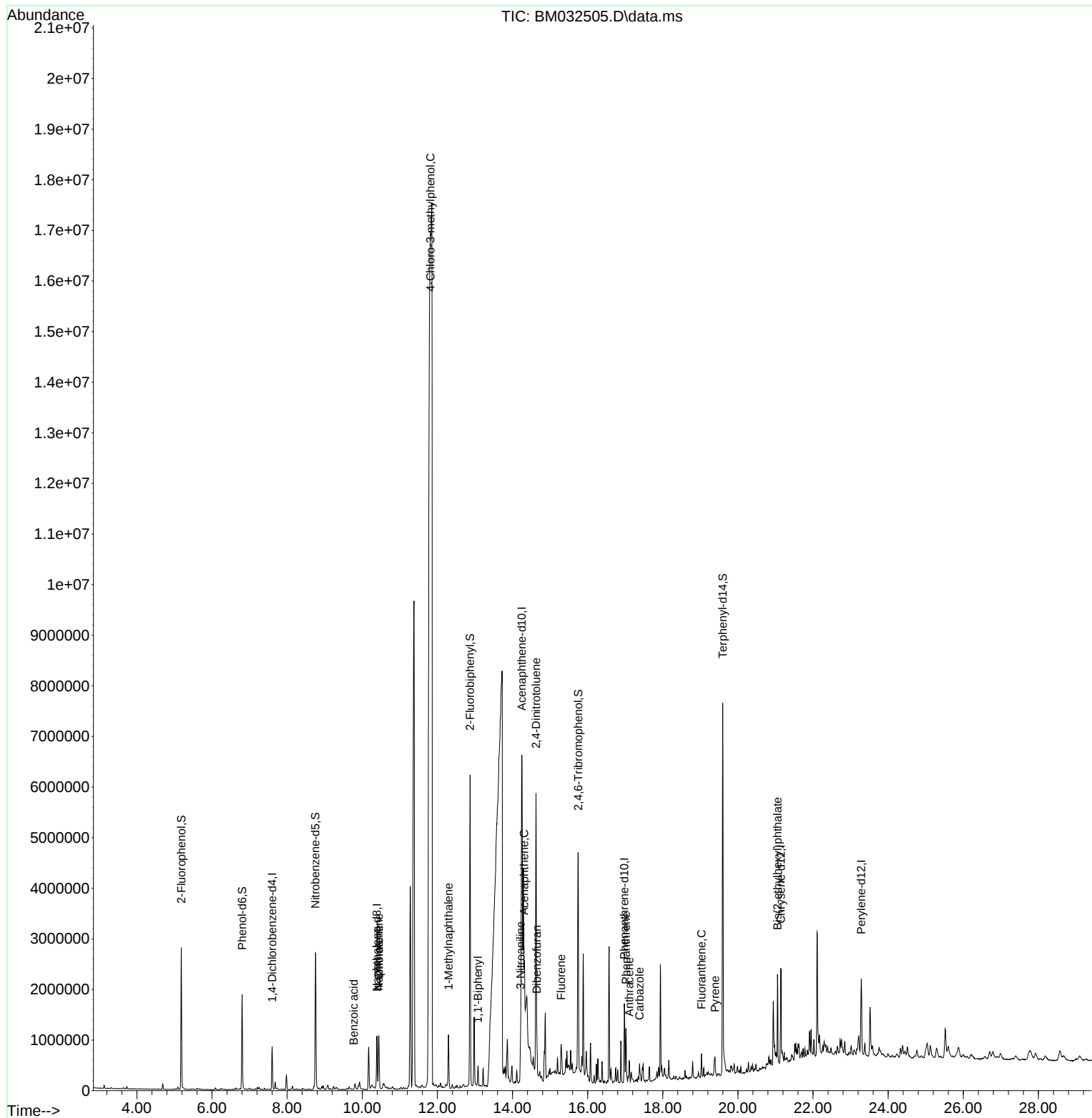
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.601	152	221516	20.000	ng	0.00
21) Naphthalene-d8	10.389	136	840682	20.000	ng	# 0.00
39) Acenaphthene-d10	14.248	164	412067	20.000	ng	0.00
64) Phenanthrene-d10	16.977	188	865780	20.000	ng	0.00
76) Chrysene-d12	21.142	240	804201	20.000	ng	# 0.00
86) Perylene-d12	23.283	264	850117	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.184	112	1178521	89.641	ng	0.00
7) Phenol-d6	6.801	99	1057950	58.844	ng	0.00
23) Nitrobenzene-d5	8.754	82	1575196	104.212	ng	0.00
42) 2,4,6-Tribromophenol	15.748	330	750655	162.723	ng	0.00
45) 2-Fluorobiphenyl	12.871	172	3135797	113.147	ng	0.00
79) Terphenyl-d14	19.595	244	3319863	86.940	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.436	128	847474	19.646	ng	100
32) Benzoic acid	9.772	122	235	4.845	ng	# 60
33) 4-Chloroaniline	10.436	127	110045	6.180	ng	# 30
36) 4-Chloro-3-methylphenol	11.819	107	334313	24.364	ng	# 22
38) 1-Methylnaphthalene	12.295	142	416412	14.536	ng	97
46) 1,1'-Biphenyl	13.077	154	87464	2.876	ng	99
52) Acenaphthene	14.313	154	436063	18.258	ng	98
53) 3-Nitroaniline	14.213	138	30778	4.647	ng	# 42
55) Dibenzofuran	14.648	168	263523	7.248	ng	92
57) 2,4-Dinitrotoluene	14.624	165	331939	42.721	ng	# 24
58) Fluorene	15.295	166	246205	8.904	ng	98
71) Phenanthrene	17.018	178	576195	12.680	ng	99
72) Anthracene	17.106	178	250122	5.633	ng	99
73) Carbazole	17.383	167	219392	4.976	ng	98
75) Fluoranthene	19.030	202	245446	4.871	ng	97
78) Pyrene	19.389	202	217273	3.984	ng	98
84) Bis(2-ethylhexyl)phtha...	21.053	149	572606	20.504	ng	# 95

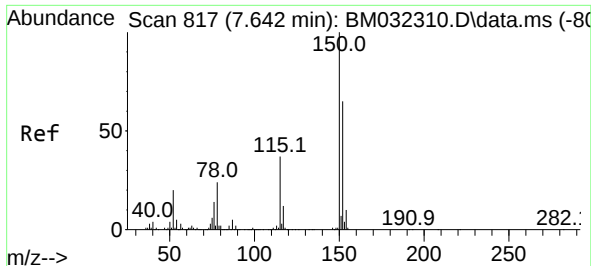
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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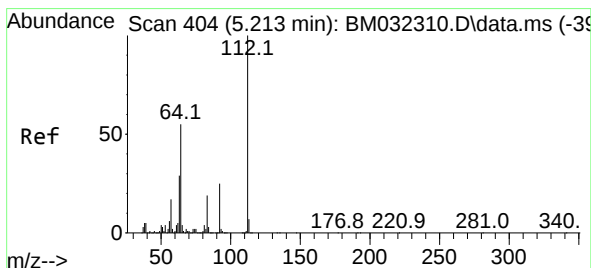
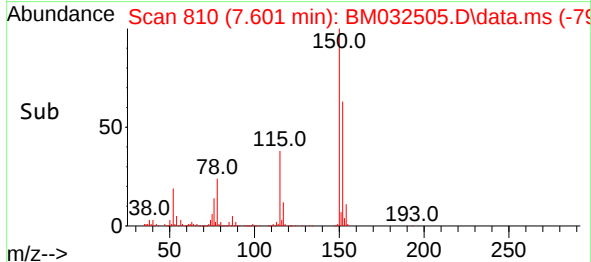
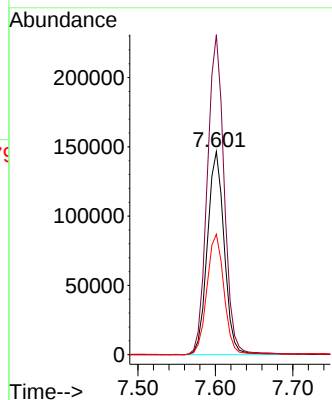
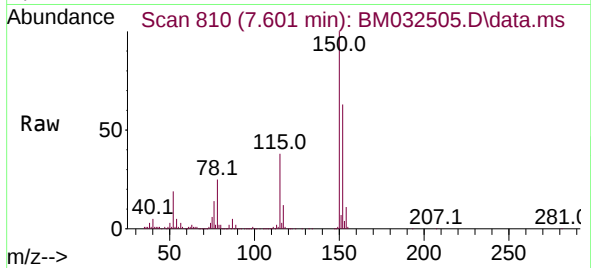




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.601 min Scan# 810
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

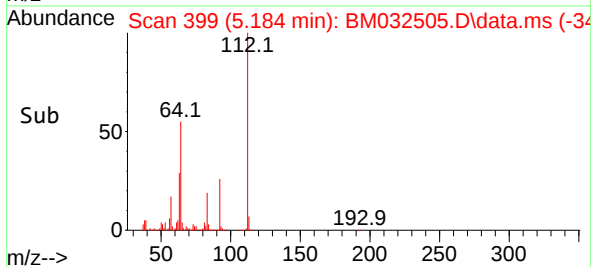
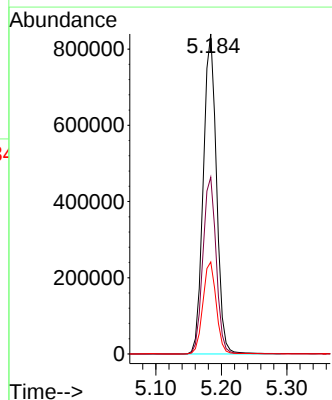
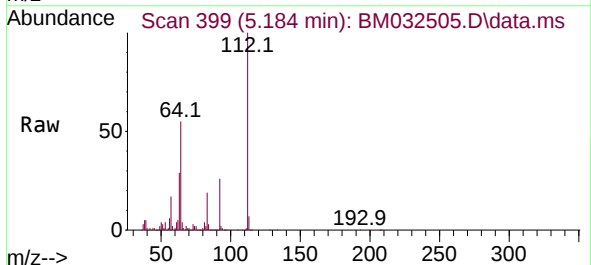
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BNA_M
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20-20211008-WC

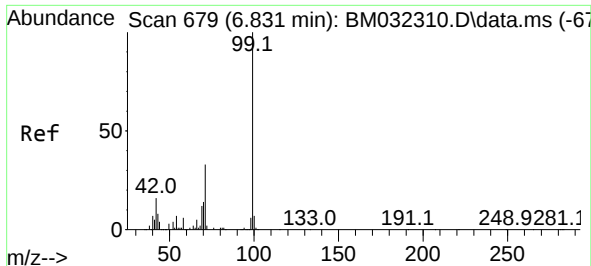
Tgt Ion:152 Resp: 221516
Ion Ratio Lower Upper
152 100
150 157.6 122.4 183.6
115 59.3 53.8 80.8



#5
2-Fluorophenol
Concen: 89.641 ng
RT: 5.184 min Scan# 399
Delta R.T. 0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Tgt Ion:112 Resp: 1178521
Ion Ratio Lower Upper
112 100
64 55.2 53.7 80.5
63 28.8 33.9 50.9#

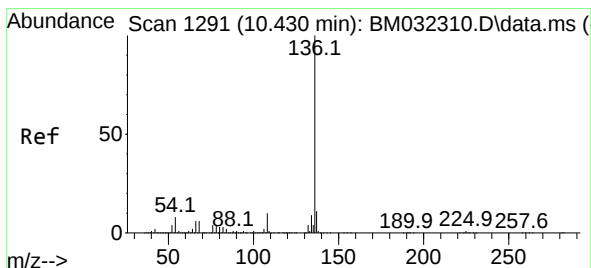
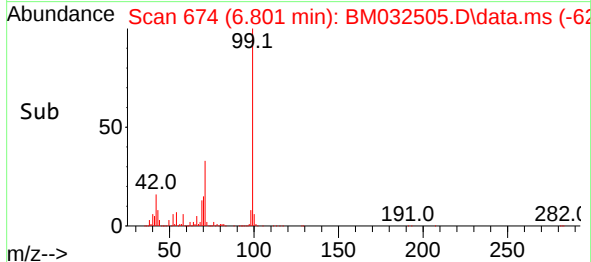
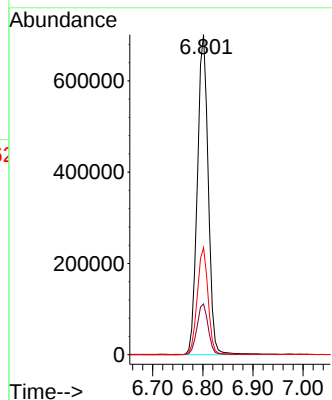
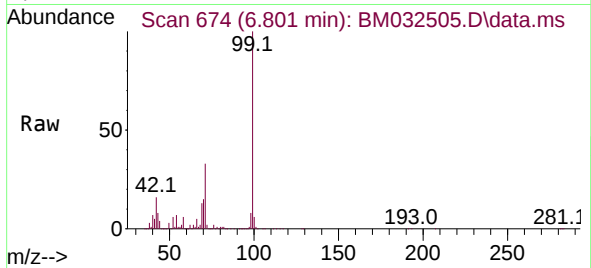




#7
Phenol-d6
Concen: 58.844 ng
RT: 6.801 min Scan# 674
Delta R.T. -0.000 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

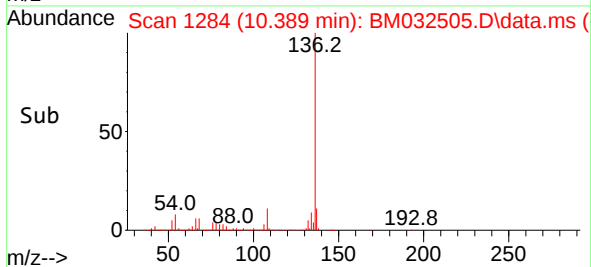
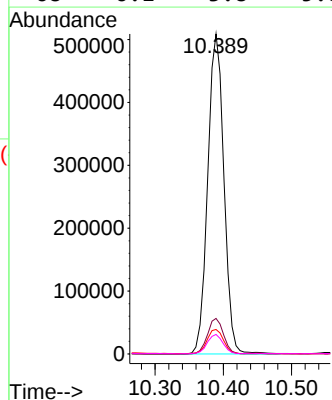
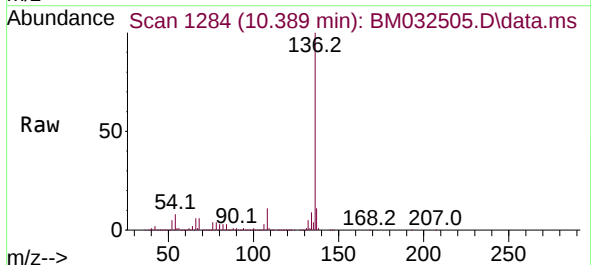
Instrument :
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ClientSampleId :
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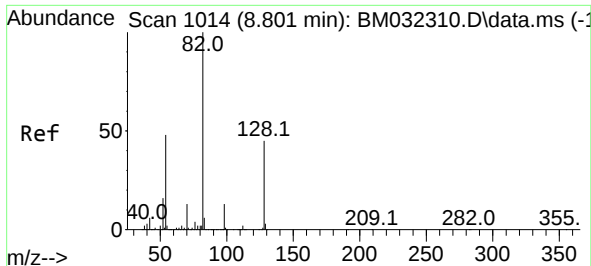
Tgt Ion: 99 Resp: 1057950
Ion Ratio Lower Upper
99 100
42 15.8 23.0 34.6#
71 33.4 37.8 56.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.389 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Tgt Ion: 136 Resp: 840682
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.7 7.4 11.0
68 6.1 3.8 5.8#

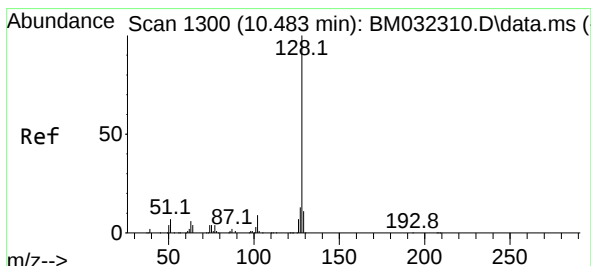
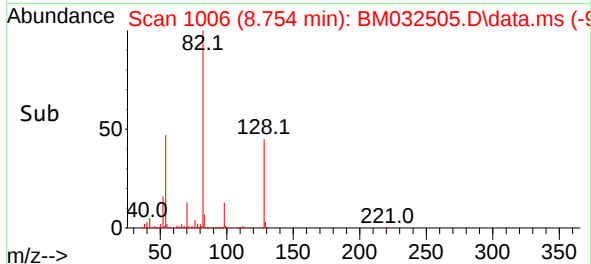
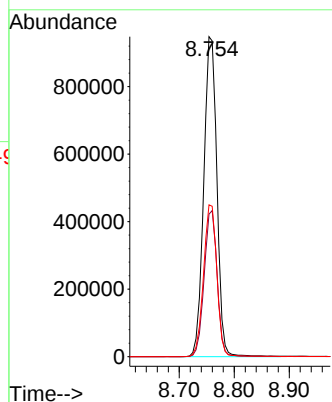
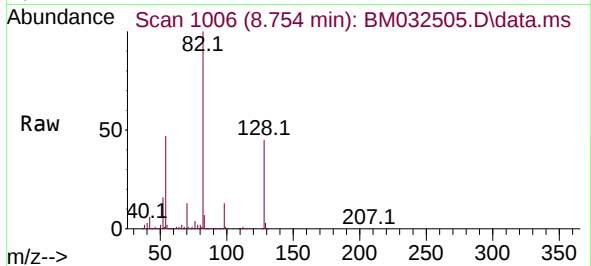




#23
Nitrobenzene-d5
Concen: 104.212 ng
RT: 8.754 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

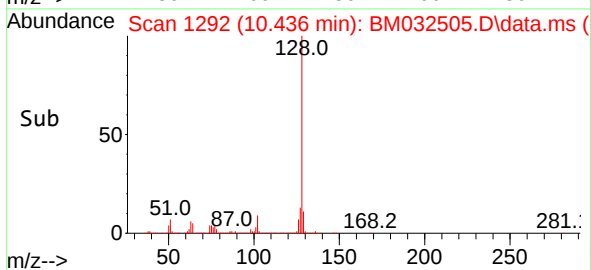
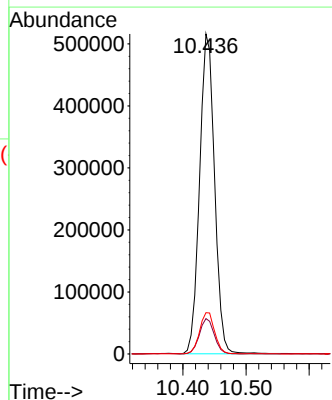
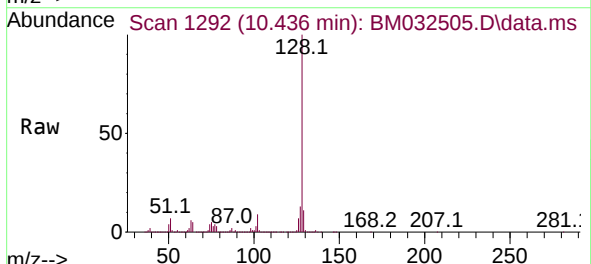
Instrument :
BNA_M
ClientSampleId :
20-20211008-WC

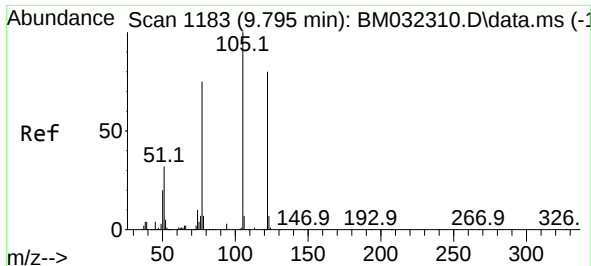
Tgt Ion: 82 Resp: 1575196
Ion Ratio Lower Upper
82 100
128 44.5 29.0 43.6#
54 47.4 45.8 68.8



#31
Naphthalene
Concen: 19.646 ng
RT: 10.436 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Tgt Ion: 128 Resp: 847474
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.9 10.4 15.6

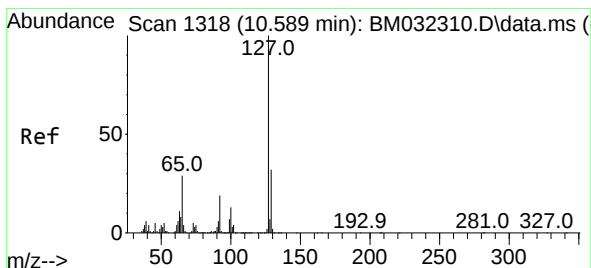
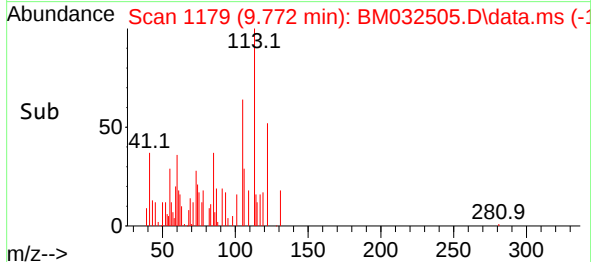
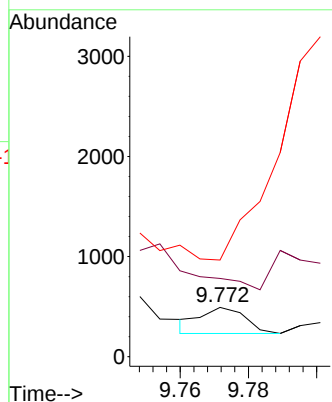
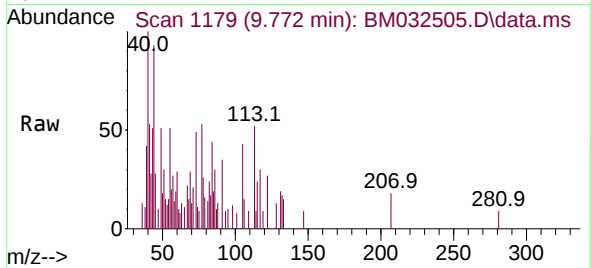




#32
Benzoic acid
Concen: 4.845 ng
RT: 9.772 min Scan# 1179
Delta R.T. 0.012 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

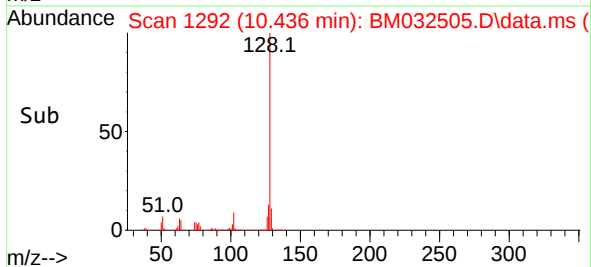
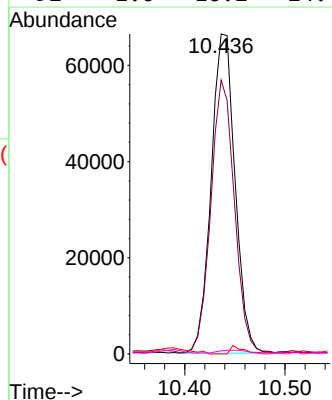
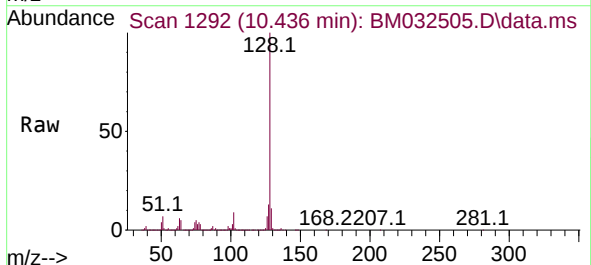
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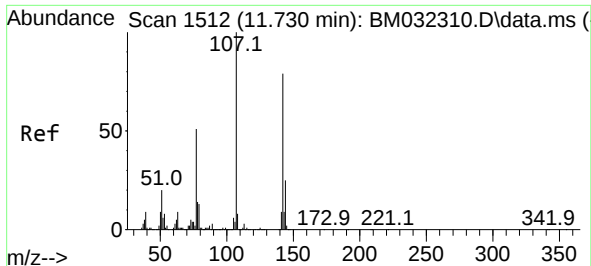
Tgt Ion:122 Resp: 235
Ion Ratio Lower Upper
122 100
105 158.6 120.3 160.3
77 195.9 100.0 140.0#



#33
4-Chloroaniline
Concen: 6.180 ng
RT: 10.436 min Scan# 1292
Delta R.T. -0.118 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Tgt Ion:127 Resp: 110045
Ion Ratio Lower Upper
127 100
129 85.6 25.6 38.4#
65 0.0 30.4 45.6#
92 1.0 16.2 24.4#

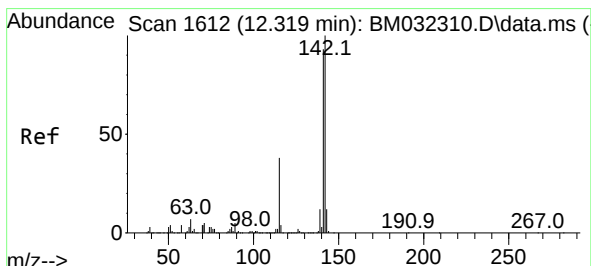
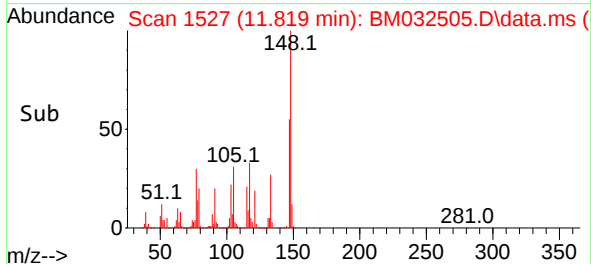
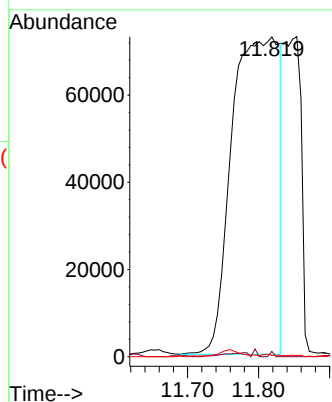
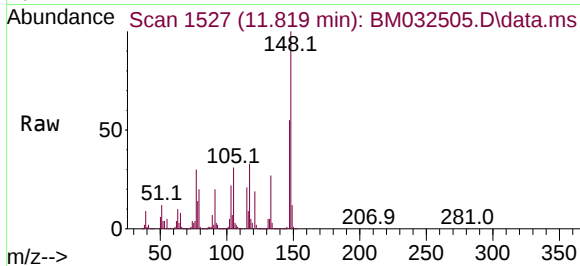




#36
4-Chloro-3-methylphenol
Concen: 24.364 ng
RT: 11.819 min Scan# 1527
Delta R.T. 0.117 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

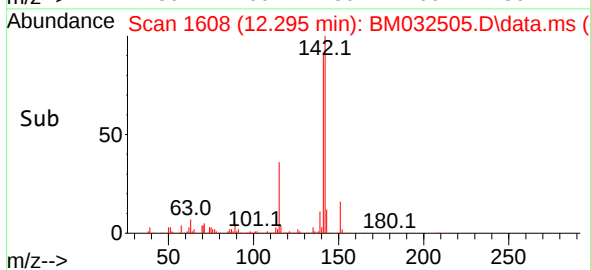
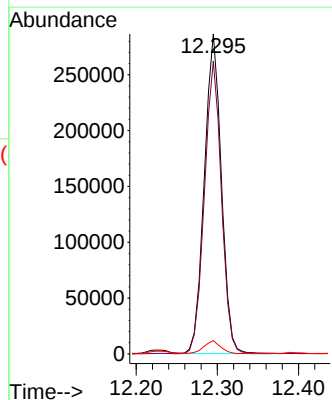
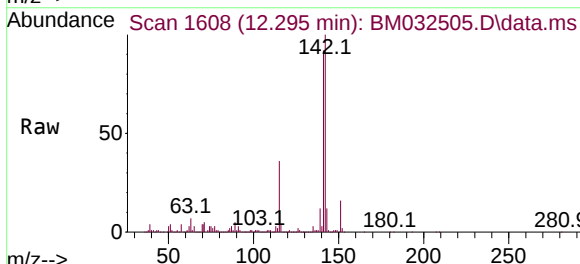
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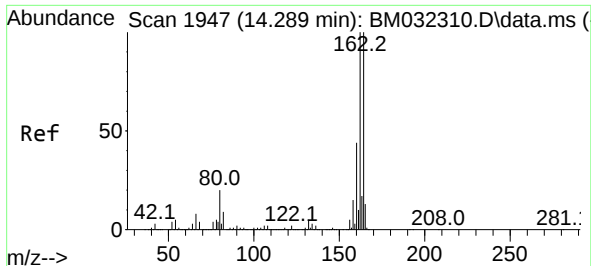
Tgt Ion:107 Resp: 334313
Ion Ratio Lower Upper
107 100
144 1.7 19.3 28.9#
142 0.4 60.5 90.7#



#38
1-Methylnaphthalene
Concen: 14.536 ng
RT: 12.295 min Scan# 1608
Delta R.T. 0.012 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Tgt Ion:142 Resp: 416412
Ion Ratio Lower Upper
142 100
141 91.6 75.6 113.4
116 4.1 4.0 6.0

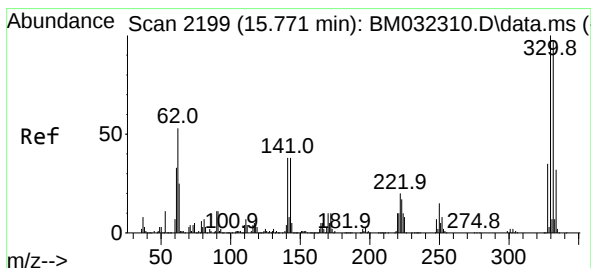
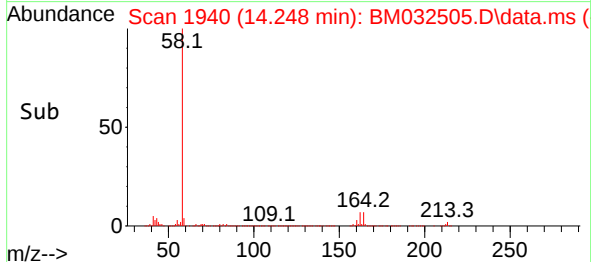
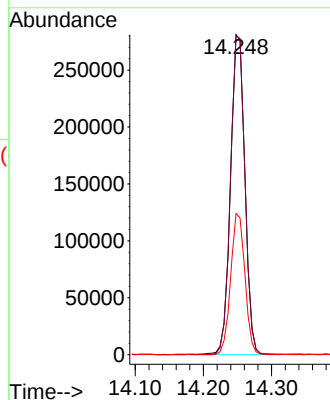
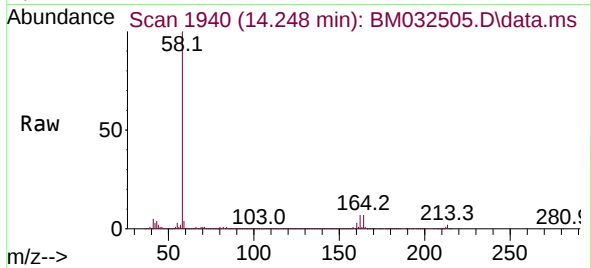




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

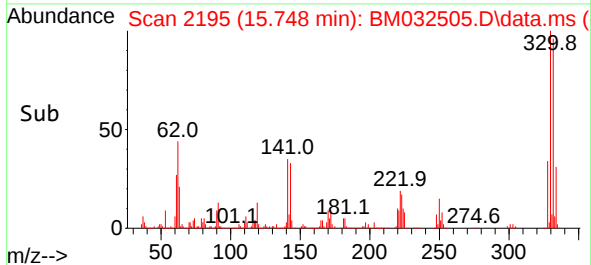
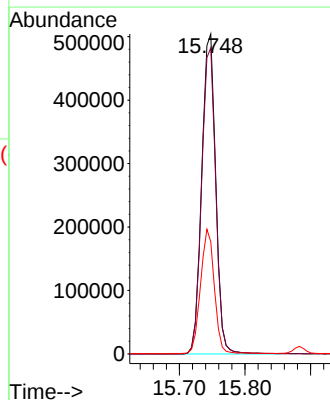
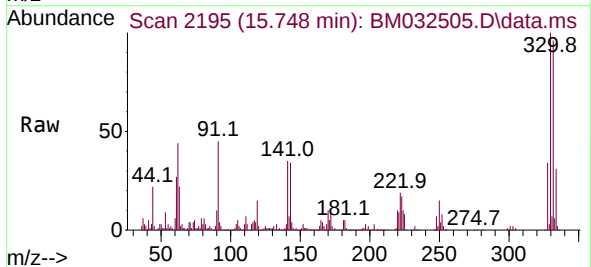
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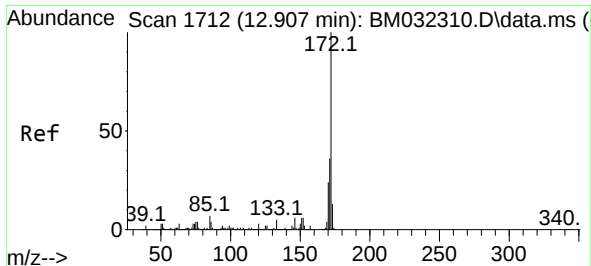
Tgt Ion:164 Resp: 412067
Ion Ratio Lower Upper
164 100
162 99.8 80.6 121.0
160 44.1 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 162.723 ng
RT: 15.748 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Tgt Ion:330 Resp: 750655
Ion Ratio Lower Upper
330 100
332 96.3 75.7 113.5
141 38.5 50.7 76.1#

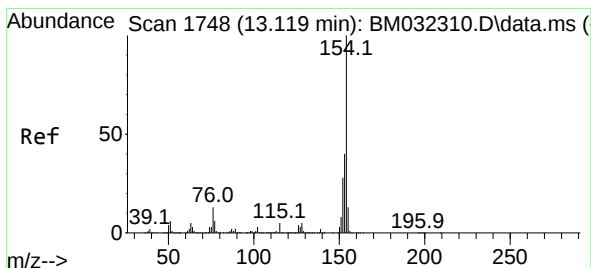
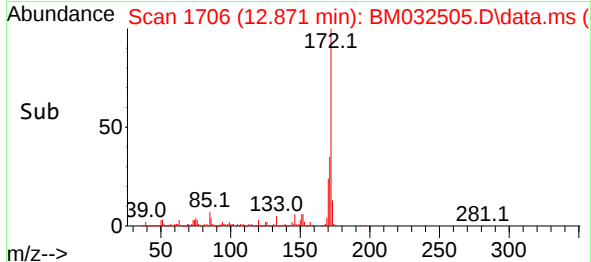
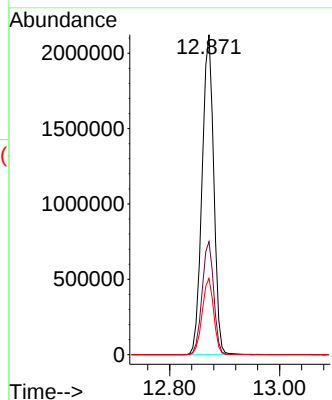
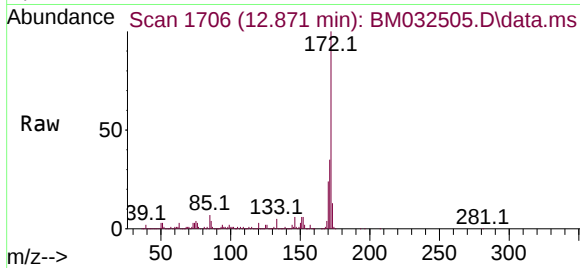




#45
2-Fluorobiphenyl
Concen: 113.147 ng
RT: 12.871 min Scan# 1706
Delta R.T. -0.000 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

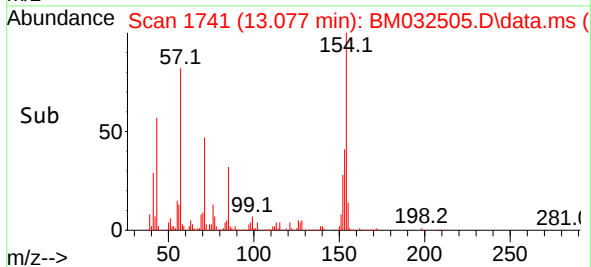
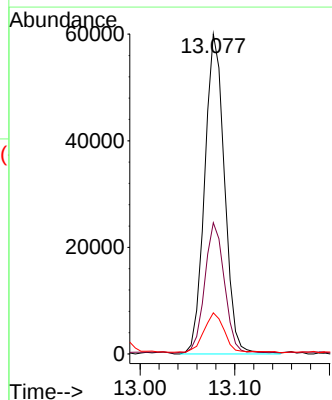
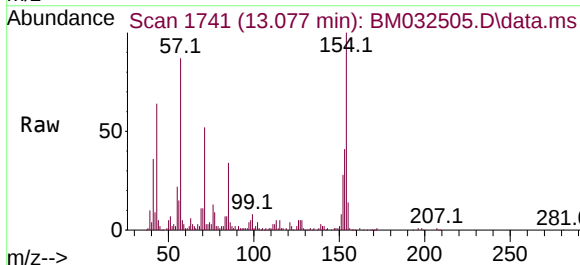
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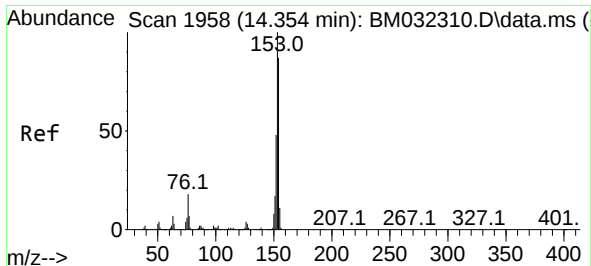
Tgt Ion:172 Resp: 3135797
Ion Ratio Lower Upper
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171 35.4 28.1 42.1
170 23.8 18.6 27.8



#46
1,1'-Biphenyl
Concen: 2.876 ng
RT: 13.077 min Scan# 1741
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Tgt Ion:154 Resp: 87464
Ion Ratio Lower Upper
154 100
153 41.0 20.3 60.3
76 12.9 0.0 33.5

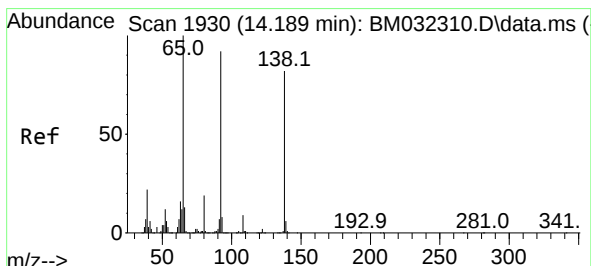
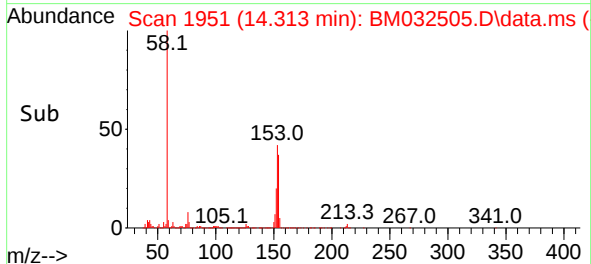
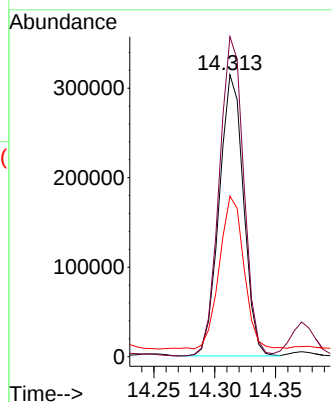
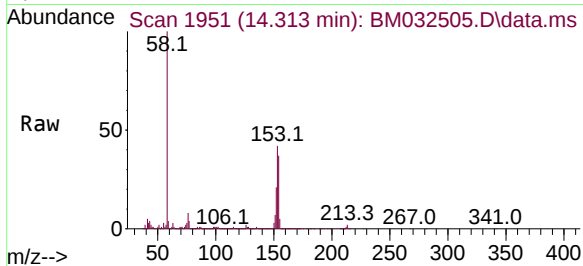




#52
Acenaphthene
Concen: 18.258 ng
RT: 14.313 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

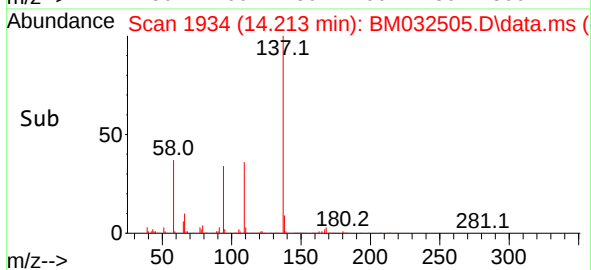
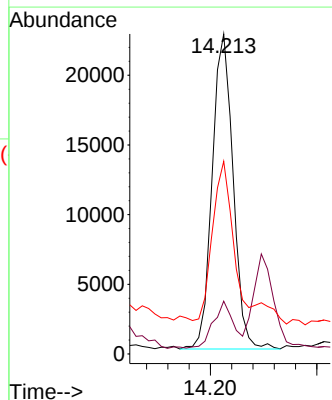
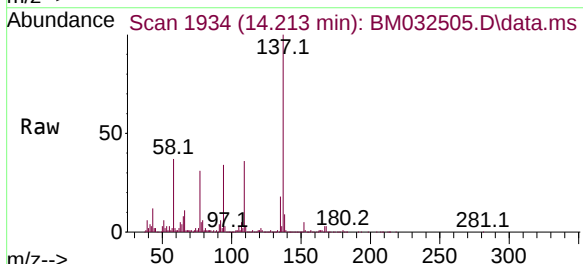
Instrument :
BNA_M
ClientSampleId :
20-20211008-WC

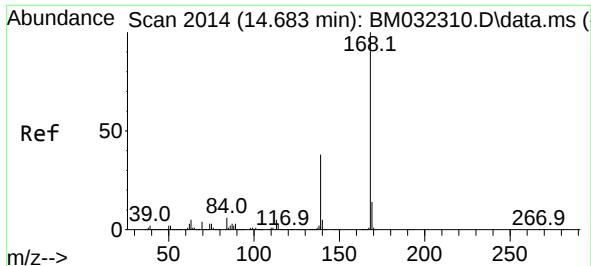
Tgt Ion:154 Resp: 436063
Ion Ratio Lower Upper
154 100
153 113.5 92.4 138.6
152 56.9 43.7 65.5



#53
3-Nitroaniline
Concen: 4.647 ng
RT: 14.213 min Scan# 1934
Delta R.T. 0.059 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Tgt Ion:138 Resp: 30778
Ion Ratio Lower Upper
138 100
108 16.5 8.3 12.5#
92 60.2 105.2 157.8#

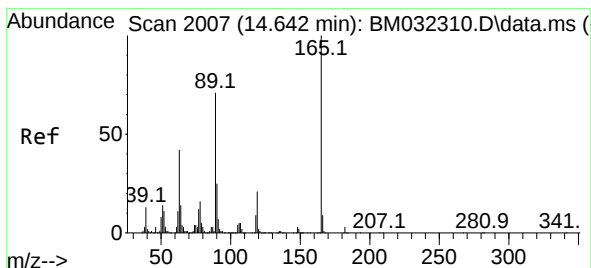
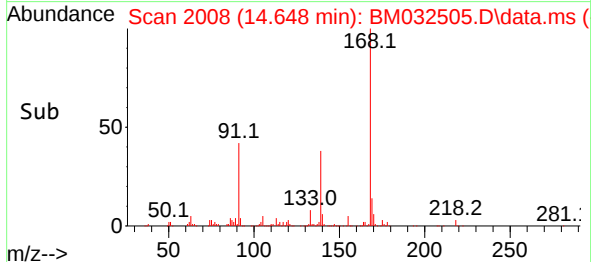
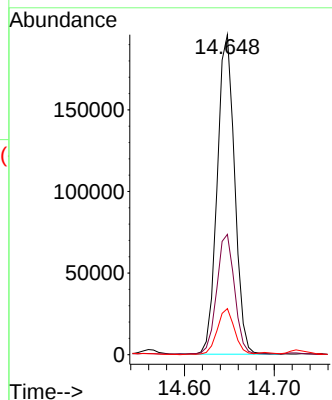
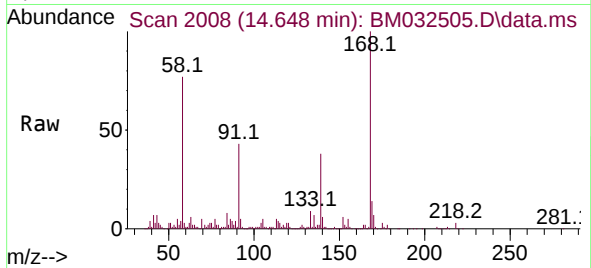




#55
Dibenzofuran
Concen: 7.248 ng
RT: 14.648 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

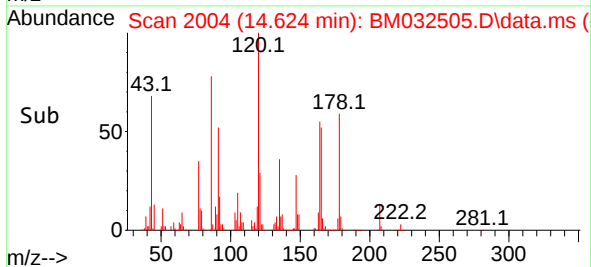
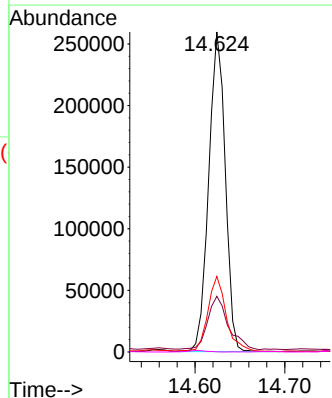
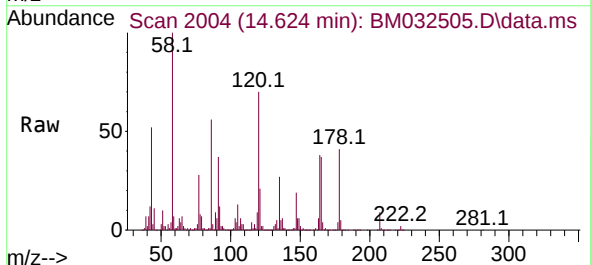
Instrument :
BNA_M
ClientSampleId :
20-20211008-WC

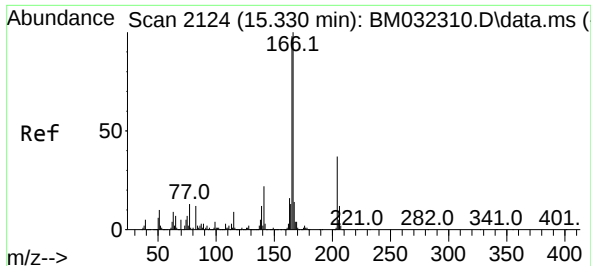
Tgt Ion:168 Resp: 263523
Ion Ratio Lower Upper
168 100
139 37.6 35.0 52.4
169 14.4 10.8 16.2



#57
2,4-Dinitrotoluene
Concen: 42.721 ng
RT: 14.624 min Scan# 2004
Delta R.T. 0.012 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Tgt Ion:165 Resp: 331939
Ion Ratio Lower Upper
165 100
63 17.4 70.3 105.5#
89 23.6 83.1 124.7#
182 0.1 2.2 3.4#

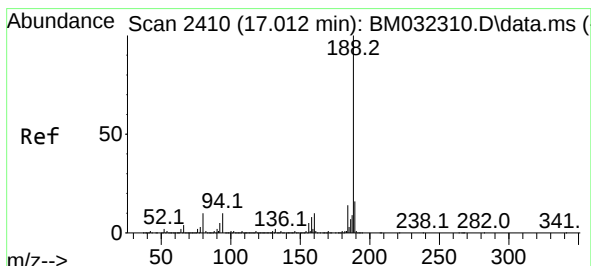
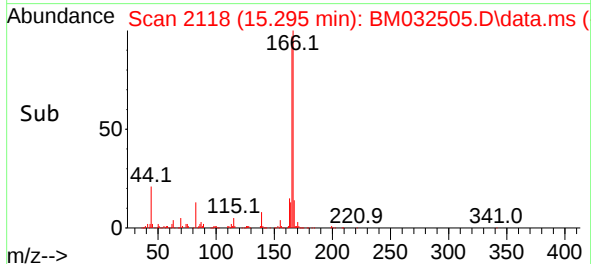
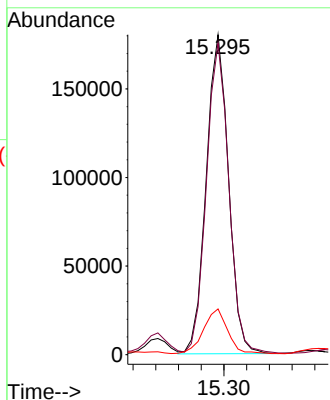
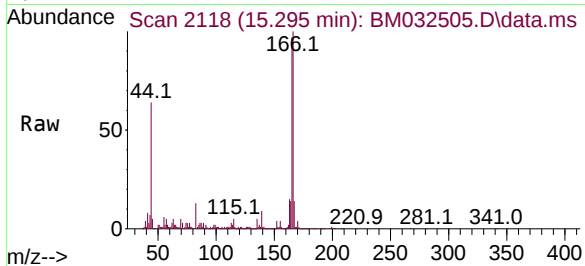




#58
Fluorene
Concen: 8.904 ng
RT: 15.295 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

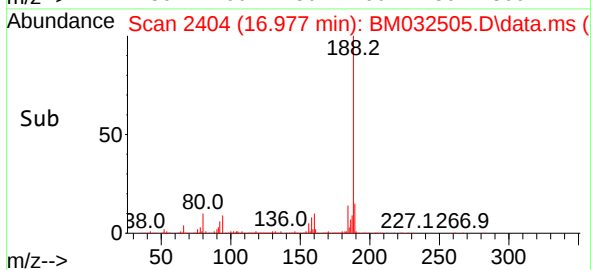
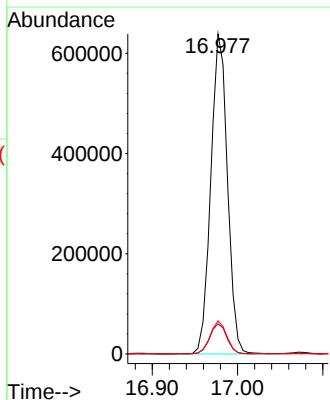
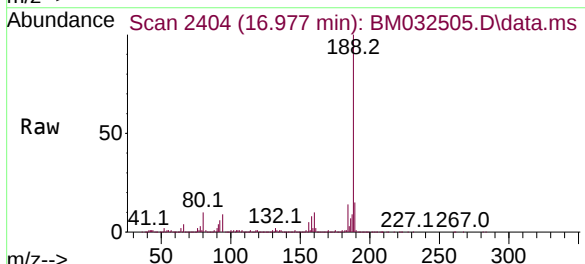
Instrument :
BNA_M
ClientSampleId :
20-20211008-WC

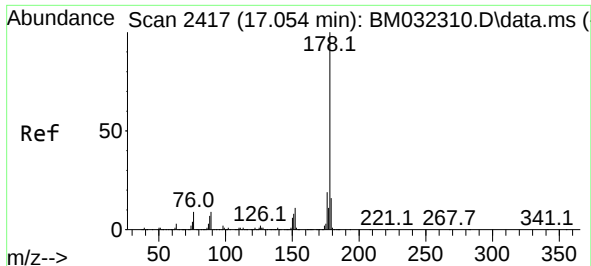
Tgt Ion:166 Resp: 246205
Ion Ratio Lower Upper
166 100
165 97.3 79.3 118.9
167 14.3 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.977 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Tgt Ion:188 Resp: 865780
Ion Ratio Lower Upper
188 100
94 9.5 6.3 9.5
80 10.3 7.3 10.9

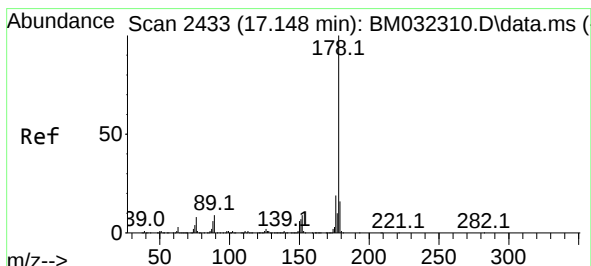
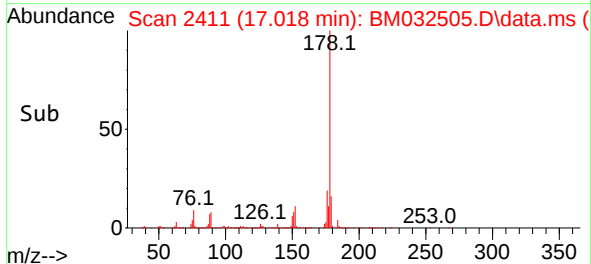
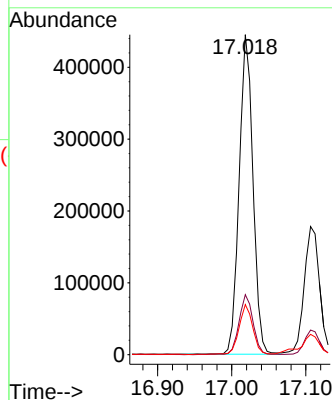
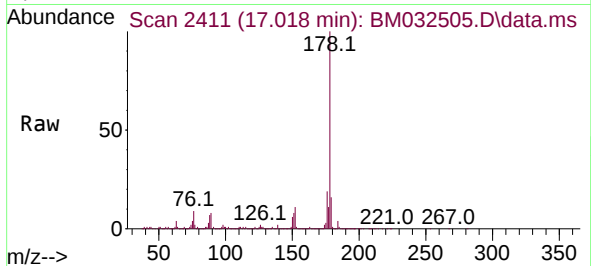




#71
Phenanthrene
Concen: 12.680 ng
RT: 17.018 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

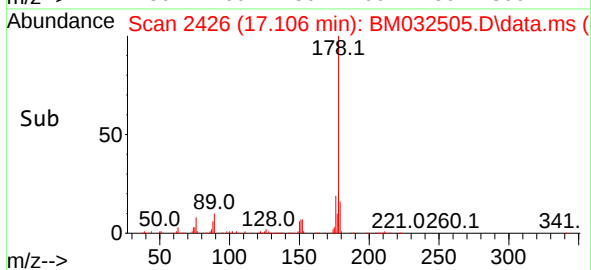
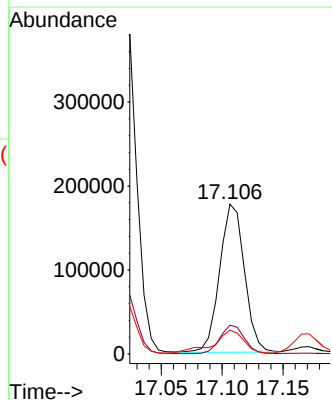
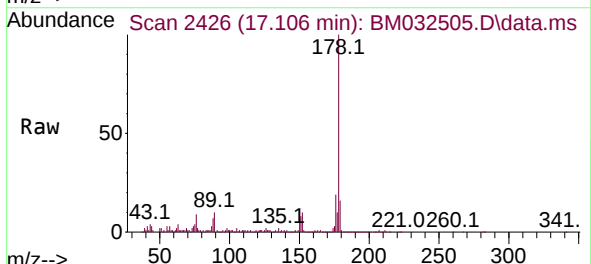
Instrument :
BNA_M
ClientSampleId :
20-20211008-WC

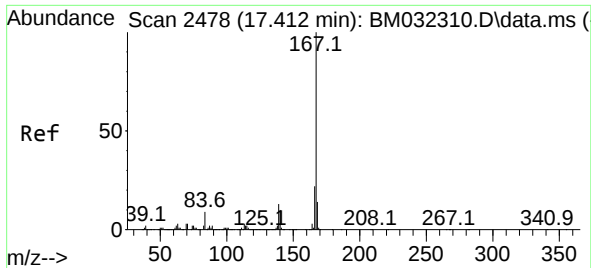
Tgt Ion:178 Resp: 576195
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.6 12.4 18.6



#72
Anthracene
Concen: 5.633 ng
RT: 17.106 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Tgt Ion:178 Resp: 250122
Ion Ratio Lower Upper
178 100
176 19.2 14.8 22.2
179 15.9 12.3 18.5

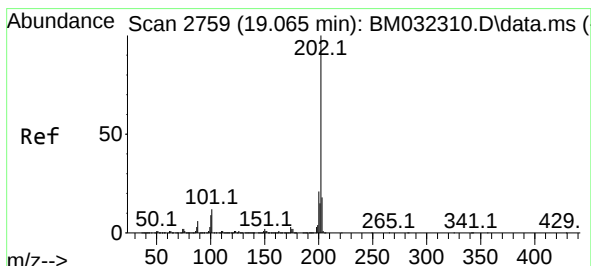
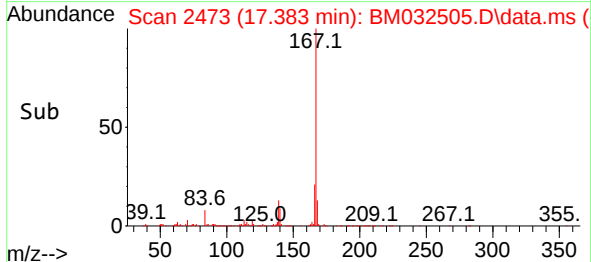
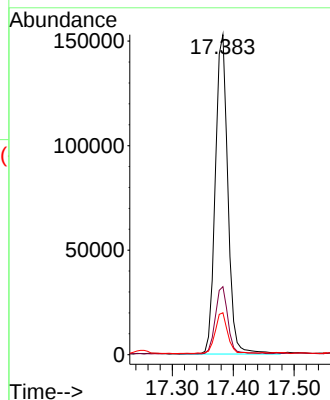
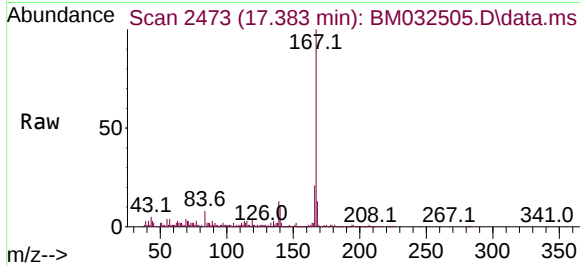




#73
 Carbazole
 Concen: 4.976 ng
 RT: 17.383 min Scan# 2473
 Delta R.T. -0.000 min
 Lab File: BM032505.D
 Acq: 13 Oct 2021 20:41

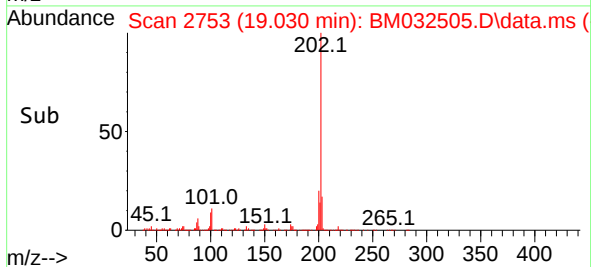
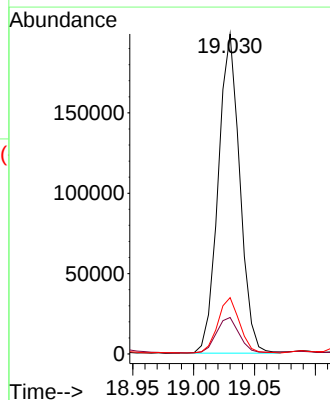
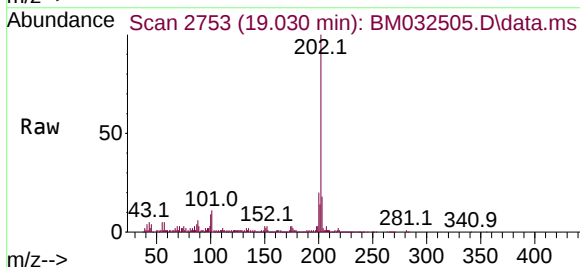
Instrument :
 BNA_M
 ClientSampleId :
 20-20211008-WC

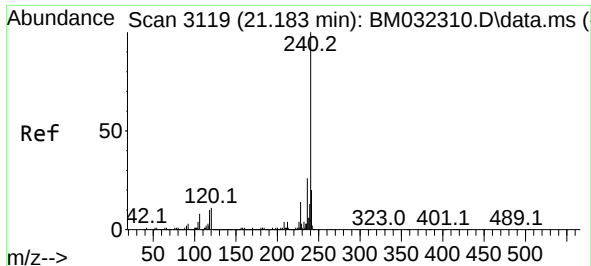
Tgt Ion:167	Resp: 219392
Ion Ratio	Lower Upper
167 100	
166 21.3	17.4 26.0
139 13.1	11.9 17.9



#75
 Fluoranthene
 Concen: 4.871 ng
 RT: 19.030 min Scan# 2753
 Delta R.T. -0.006 min
 Lab File: BM032505.D
 Acq: 13 Oct 2021 20:41

Tgt	Ion:202	Resp:	245446
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	29.9
203	17.6	0.0	36.8

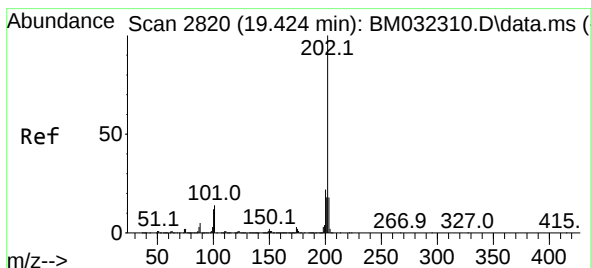
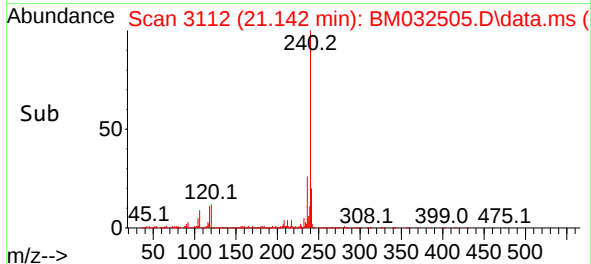
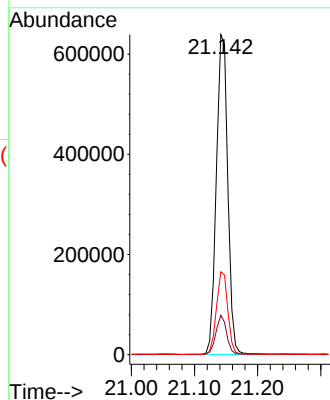
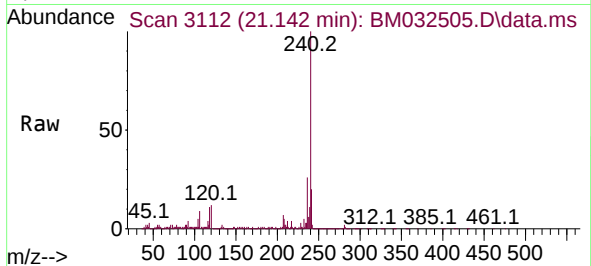




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.142 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

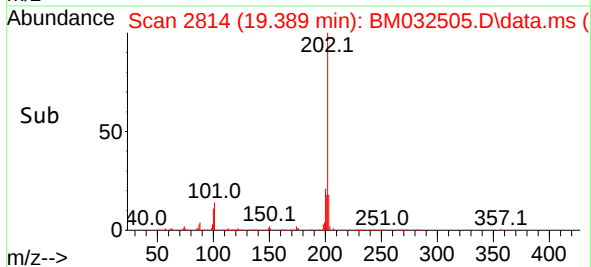
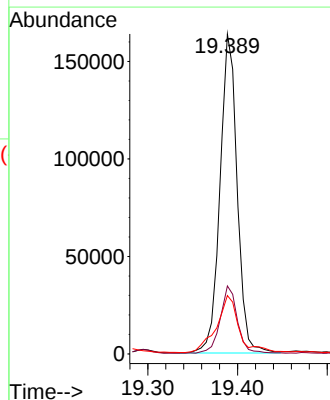
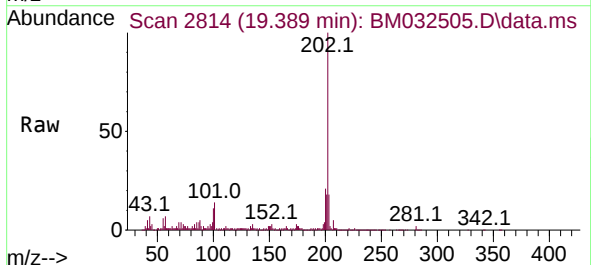
Instrument :
BNA_M
ClientSampleId :
20-20211008-WC

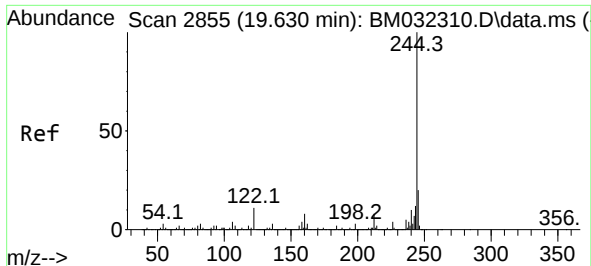
Tgt Ion:240 Resp: 804201
Ion Ratio Lower Upper
240 100
120 12.3 7.8 11.6#
236 25.9 20.9 31.3



#78
Pyrene
Concen: 3.984 ng
RT: 19.389 min Scan# 2814
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Tgt Ion:202 Resp: 217273
Ion Ratio Lower Upper
202 100
200 21.3 16.6 25.0
203 18.3 13.7 20.5

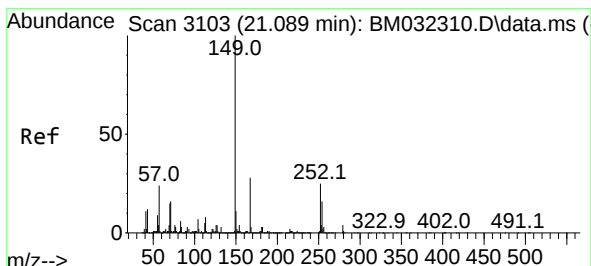
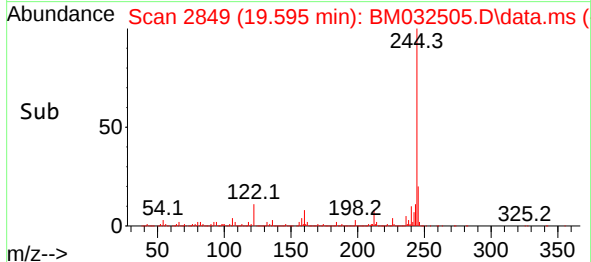
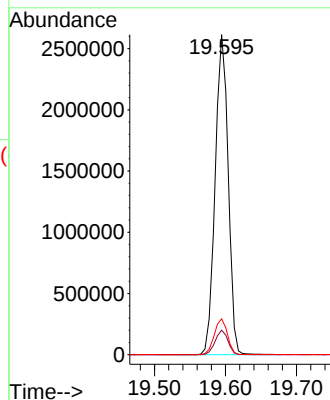
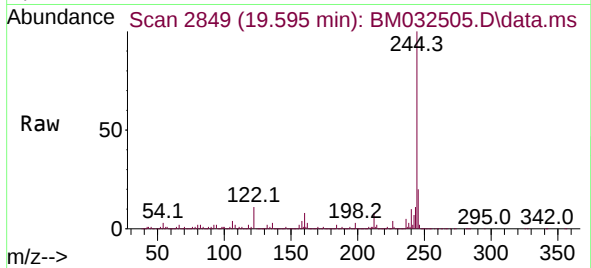




#79
 Terphenyl-d14
 Concen: 86.940 ng
 RT: 19.595 min Scan# 2849
 Delta R.T. -0.006 min
 Lab File: BM032505.D
 Acq: 13 Oct 2021 20:41

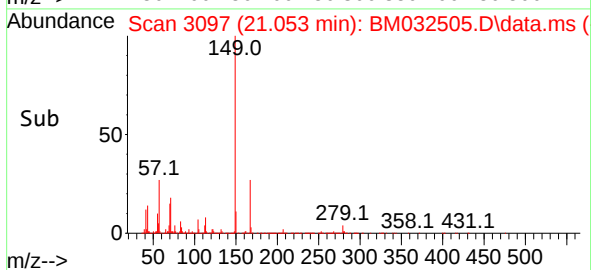
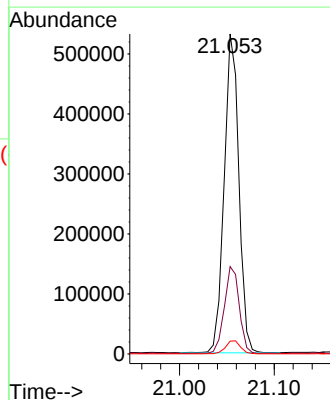
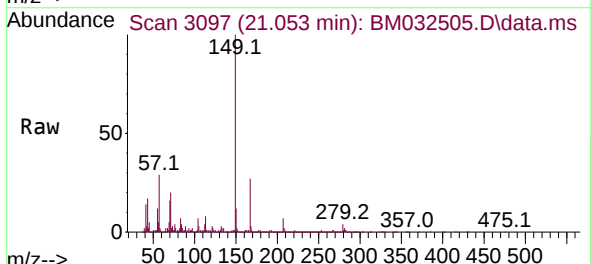
Instrument :
 BNA_M
 ClientSampleId :
 20-20211008-WC

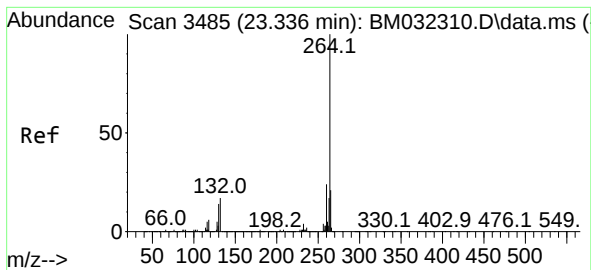
Tgt Ion:244 Resp: 3319863
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 11.2 8.7 13.1



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 20.504 ng
 RT: 21.053 min Scan# 3097
 Delta R.T. -0.006 min
 Lab File: BM032505.D
 Acq: 13 Oct 2021 20:41

Tgt Ion:149 Resp: 572606
 Ion Ratio Lower Upper
 149 100
 167 27.3 19.7 29.5
 279 4.0 2.6 4.0#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.283 min Scan# 3476
 Delta R.T. -0.006 min
 Lab File: BM032505.D
 Acq: 13 Oct 2021 20:41

Instrument :
 BNA_M
 ClientSampleId :
 20-20211008-WC

Tgt Ion:	264	Resp:	850117
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.3	28.9
265	22.1	18.3	27.5

