

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)

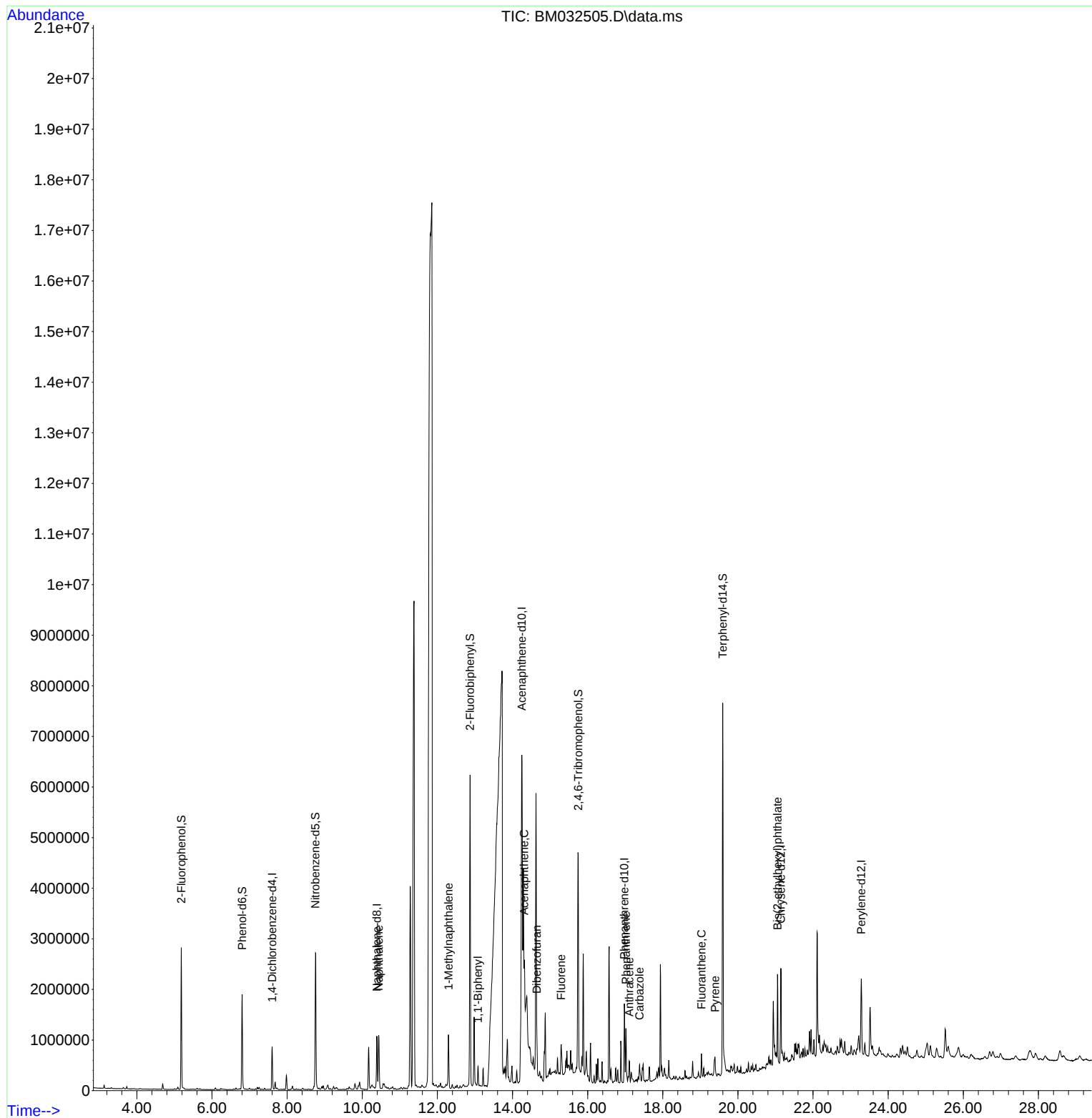
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.601	152	221516	20.00	ng	0.00
21) Naphthalene-d8	10.389	136	840682	20.00	ng	# 0.00
39) Acenaphthene-d10	14.248	164	412067	20.00	ng	0.00
64) Phenanthrene-d10	16.977	188	865780	20.00	ng	0.00
76) Chrysene-d12	21.142	240	804201	20.00	ng	# 0.00
86) Perylene-d12	23.283	264	850117	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.184	112	1178521	89.64	ng	0.00
7) Phenol-d6	6.801	99	1057950	58.84	ng	0.00
23) Nitrobenzene-d5	8.754	82	1575196	104.21	ng	0.00
42) 2,4,6-Tribromophenol	15.748	330	750655	162.72	ng	0.00
45) 2-Fluorobiphenyl	12.871	172	3135797	113.15	ng	0.00
79) Terphenyl-d14	19.595	244	3319863	86.94	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.436	128	847474	19.65	ng	100
38) 1-Methylnaphthalene	12.295	142	416412	14.54	ng	97
46) 1,1'-Biphenyl	13.077	154	87464	2.88	ng	99
52) Acenaphthene	14.313	154	436063	18.26	ng	98
55) Dibenzofuran	14.648	168	263523	7.25	ng	92
58) Fluorene	15.295	166	246205	8.90	ng	98
71) Phenanthrene	17.018	178	576195	12.68	ng	99
72) Anthracene	17.106	178	250122	5.63	ng	99
73) Carbazole	17.383	167	219392	4.98	ng	98
75) Fluoranthene	19.030	202	245446	4.87	ng	97
78) Pyrene	19.389	202	217273	3.98	ng	98
84) Bis(2-ethylhexyl)phtha...	21.053	149	572606	20.50	ng	# 95

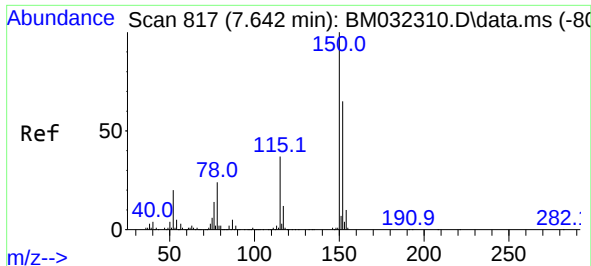
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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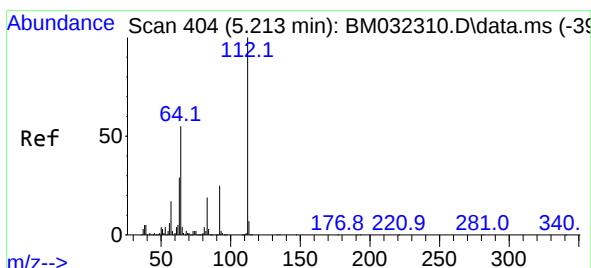
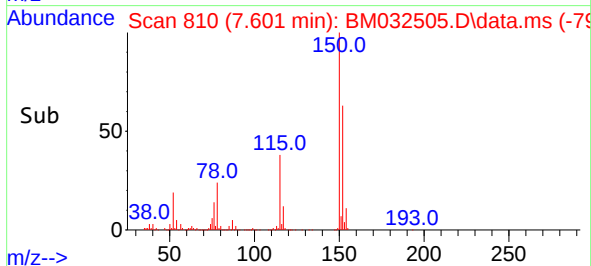
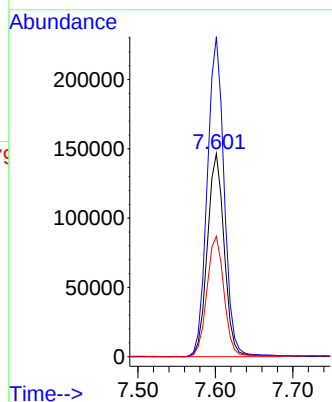
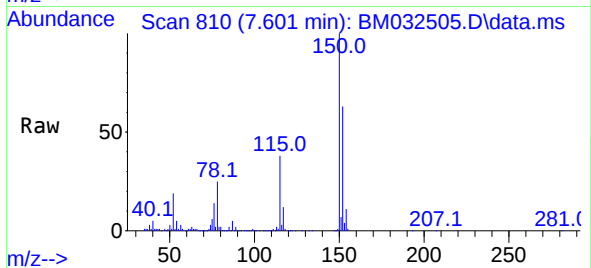




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.601 min Scan# 810
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

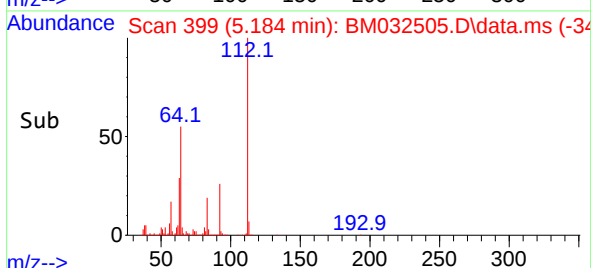
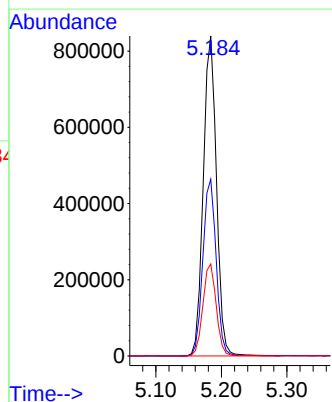
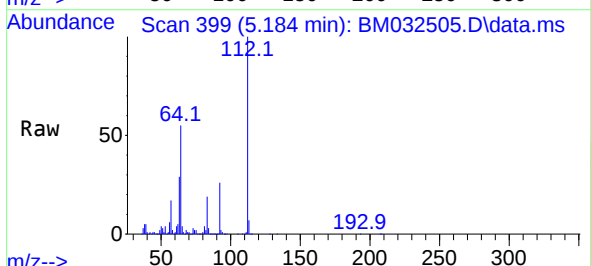
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BNA_M
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20-20211008-WC

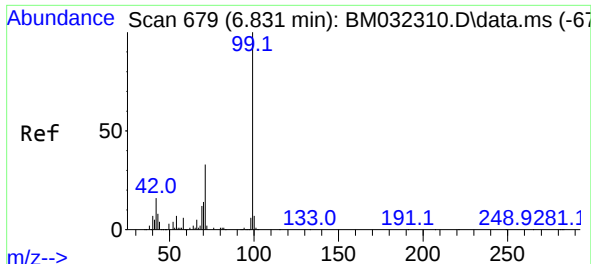
Tgt Ion:152 Resp: 221516
Ion Ratio Lower Upper
152 100
150 157.6 122.4 183.6
115 59.3 53.8 80.8



#5
2-Fluorophenol
Concen: 89.64 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#

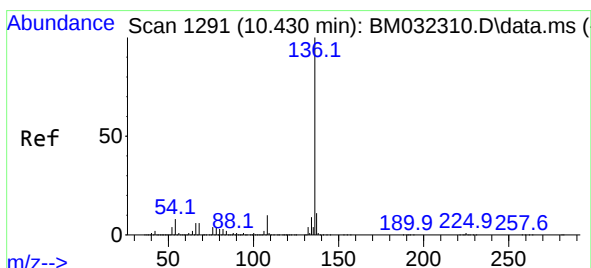
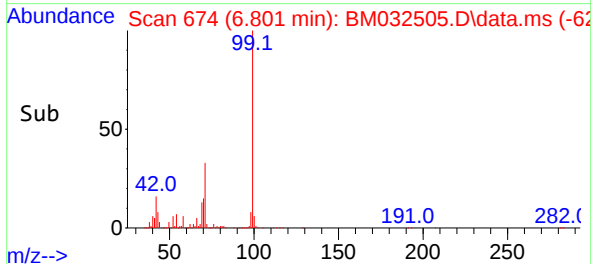
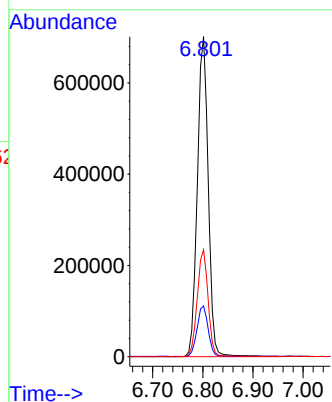
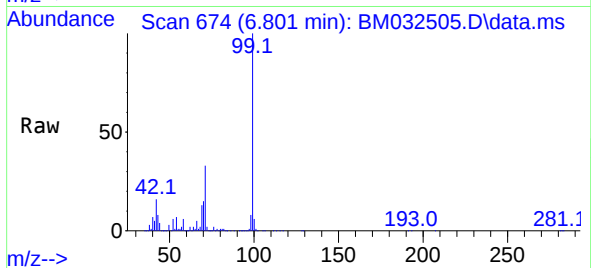




#7
Phenol-d6
Concen: 58.84 ng
RT: 6.801 min Scan# 674
Delta R.T. -0.000 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

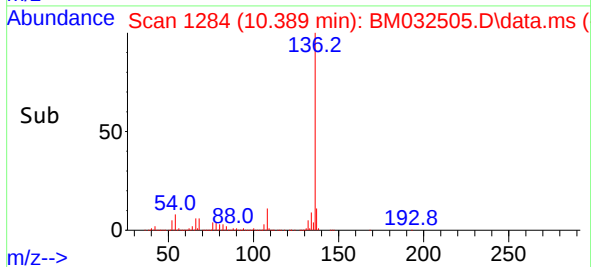
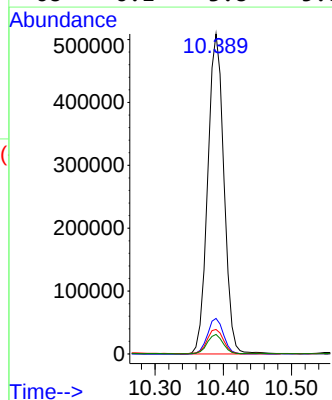
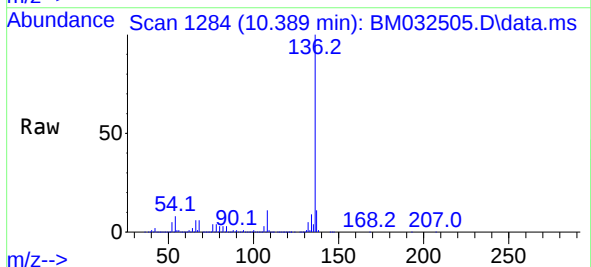
Instrument :
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ClientSampleId :
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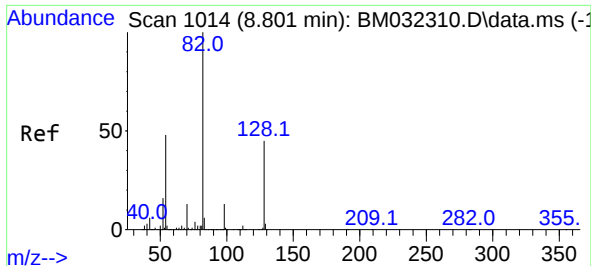
Tgt Ion: 99 Resp: 1057950
Ion Ratio Lower Upper
99 100
42 15.8 23.0 34.6#
71 33.4 37.8 56.8#



#21
Naphthalene-d8
Concen: 20.00 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#

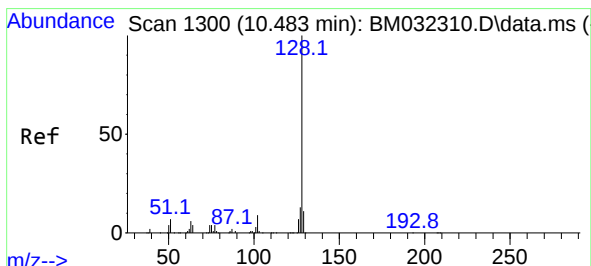
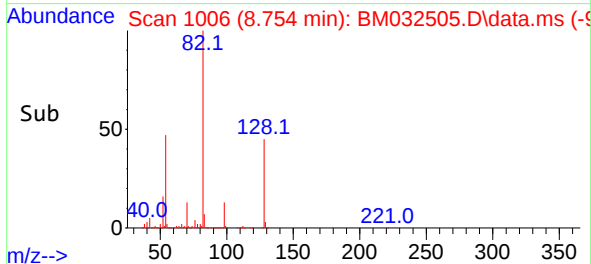
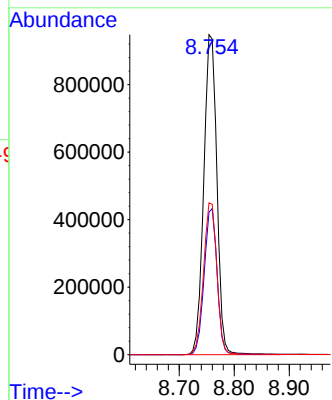
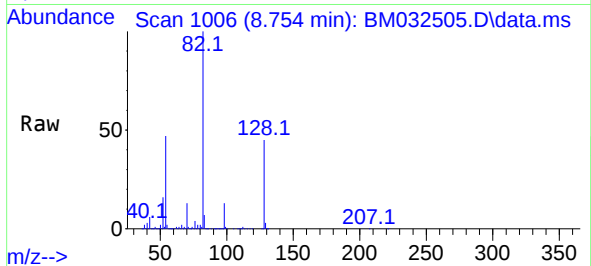




#23
Nitrobenzene-d5
Concen: 104.21 ng
RT: 8.754 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

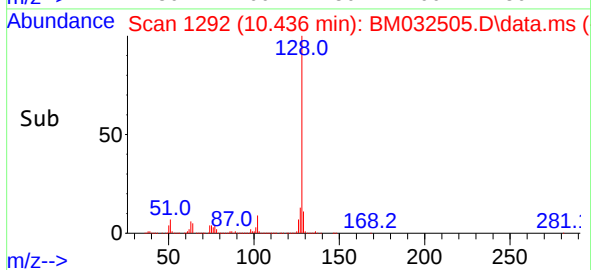
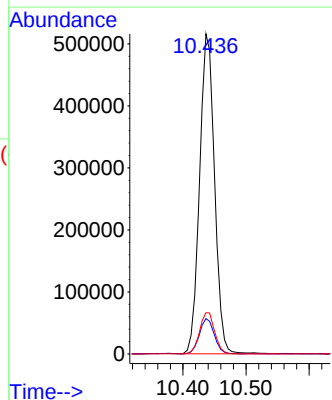
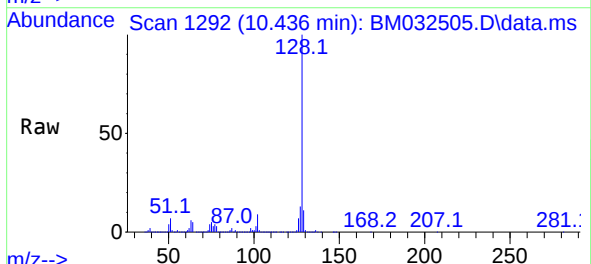
Instrument :
BNA_M
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20-20211008-WC

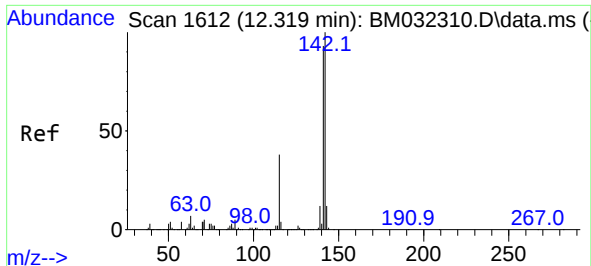
Tgt Ion: 82 Resp: 1575196
Ion Ratio Lower Upper
82 100
128 44.5 29.0 43.6#
54 47.4 45.8 68.8



#31
Naphthalene
Concen: 19.65 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



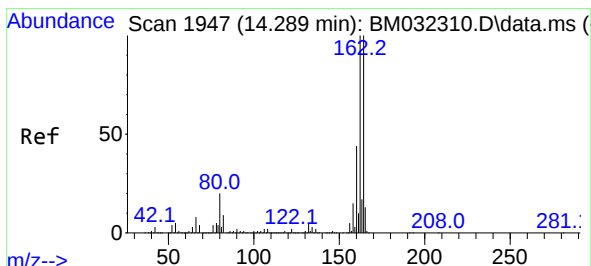
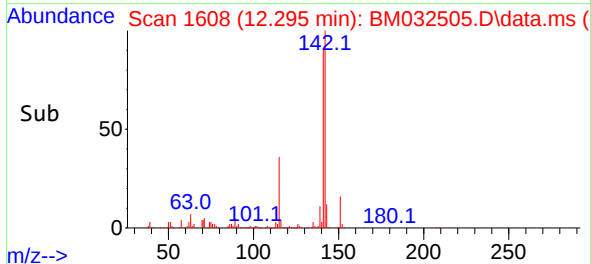
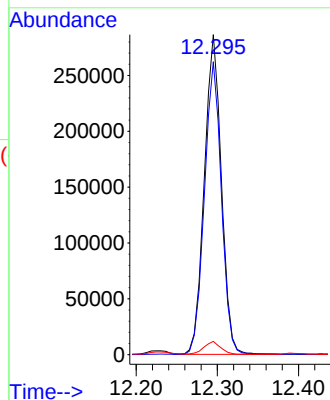
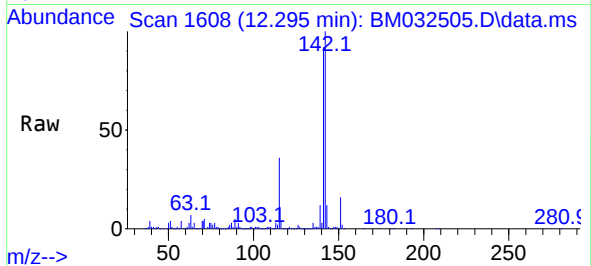


#38
1-Methylnaphthalene
Concen: 14.54 ng
RT: 12.295 min Scan# 1608
Delta R.T. 0.012 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Instrument :
BNA_M
ClientSampleId :
20-20211008-WC

Tgt Ion:142 Resp: 416412

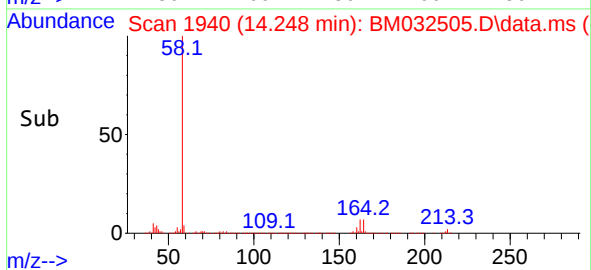
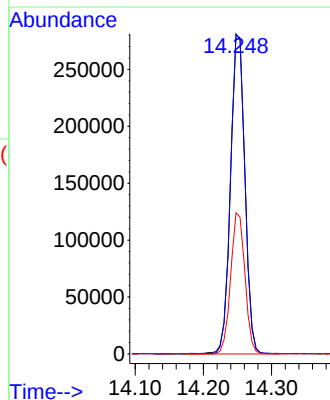
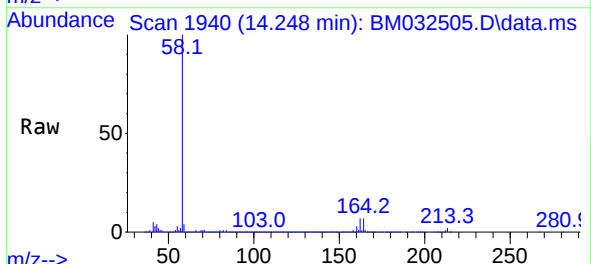
Ion	Ratio	Lower	Upper
142	100		
141	91.6	75.6	113.4
116	4.1	4.0	6.0

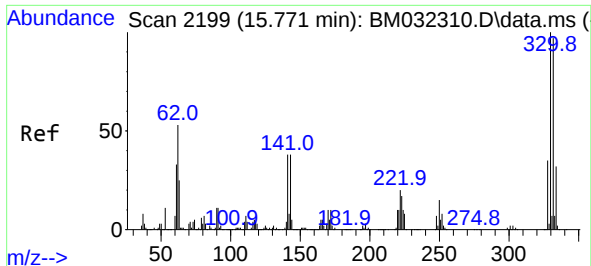


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.248 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

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

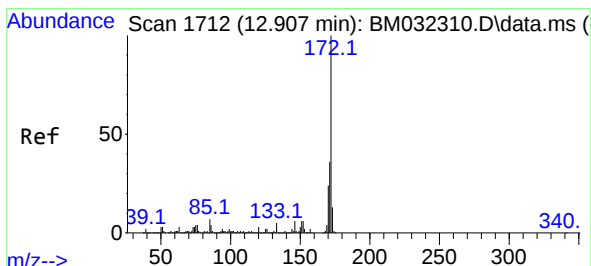
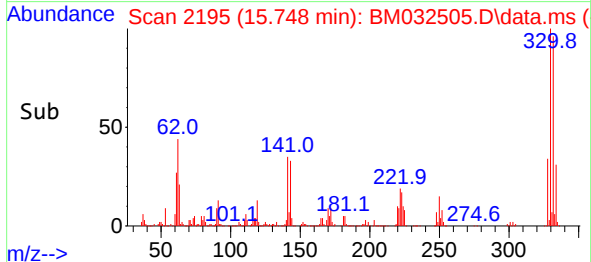
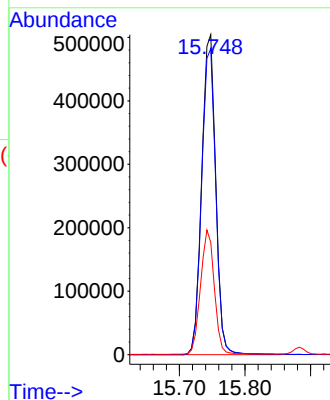
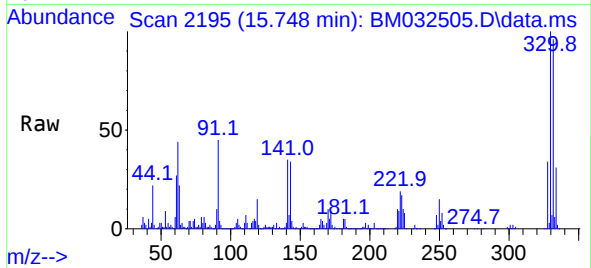




#42
2,4,6-Tribromophenol
Concen: 162.72 ng
RT: 15.748 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

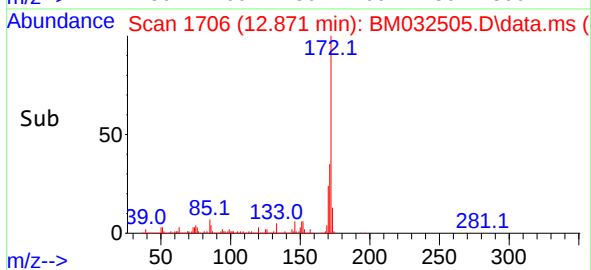
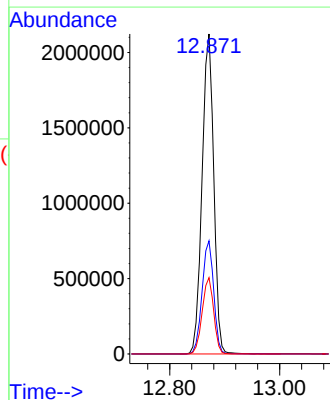
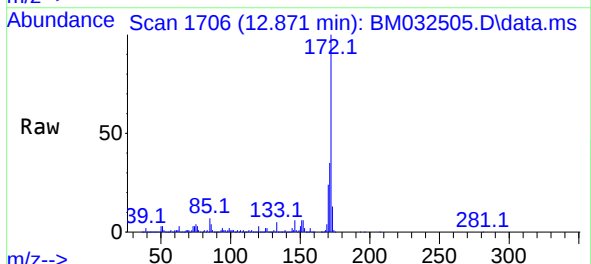
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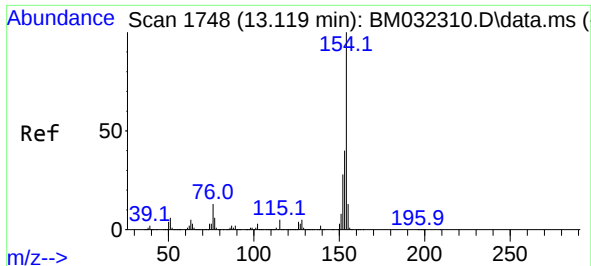
Tgt Ion:330 Resp: 750655
Ion Ratio Lower Upper
330 100
332 96.3 75.7 113.5
141 38.5 50.7 76.1#



#45
2-Fluorobiphenyl
Concen: 113.15 ng
RT: 12.871 min Scan# 1706
Delta R.T. -0.000 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Tgt Ion:172 Resp: 3135797
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 23.8 18.6 27.8



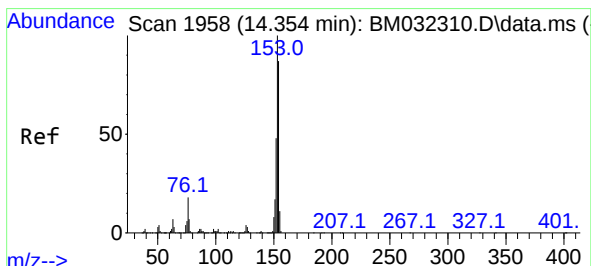
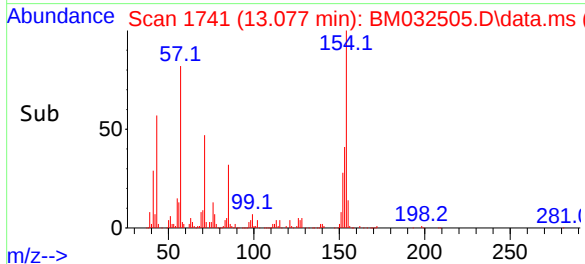
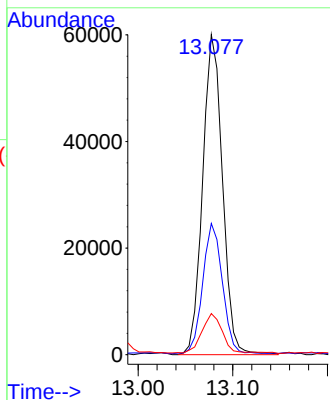
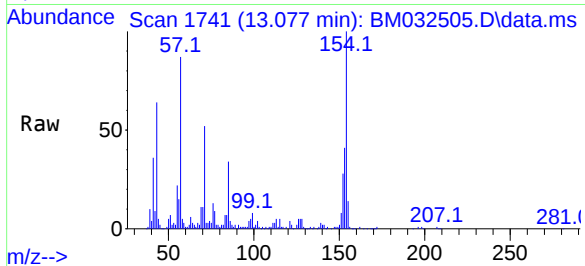


#46
1,1'-Biphenyl
Concen: 2.88 ng
RT: 13.077 min Scan# 1741
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Instrument :
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ClientSampleId :
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Tgt Ion:154 Resp: 87464

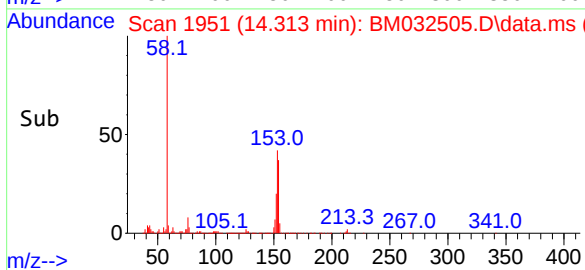
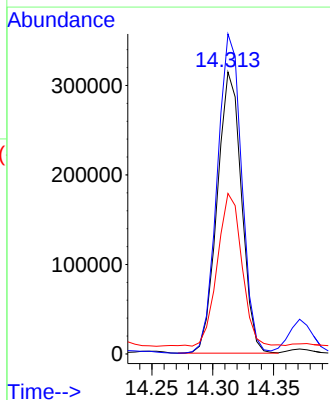
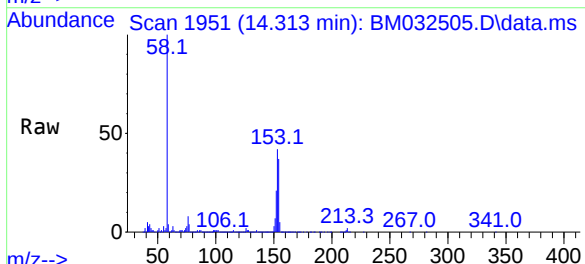
Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.3	60.3
76	12.9	0.0	33.5

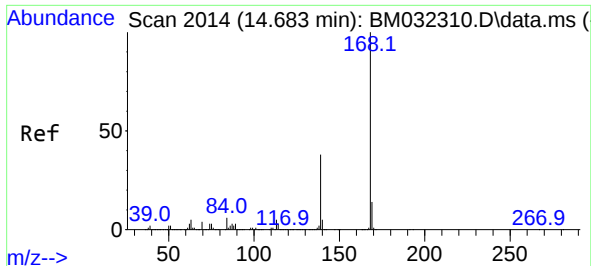


#52
Acenaphthene
Concen: 18.26 ng
RT: 14.313 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

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

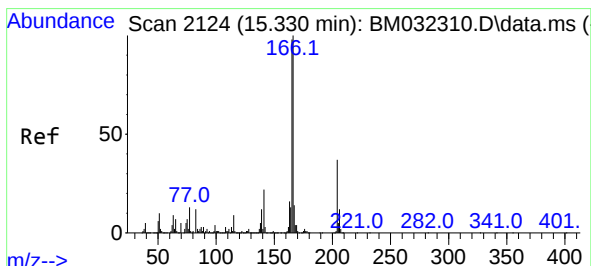
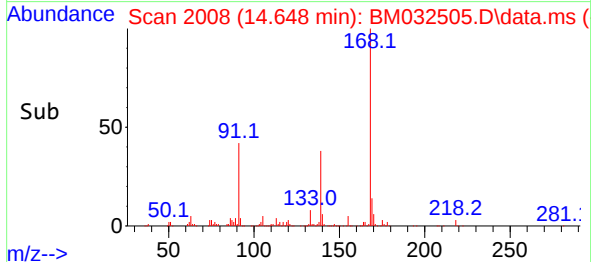
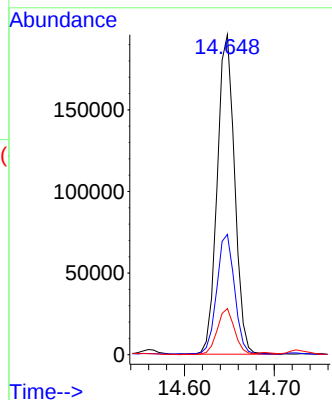
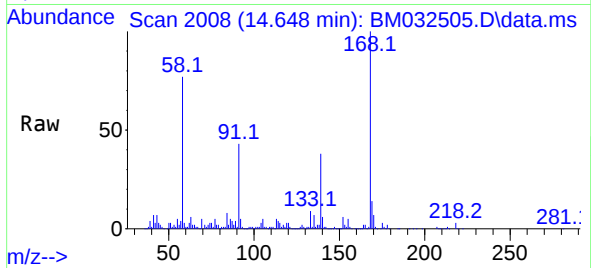




#55
Dibenzenofuran
Concen: 7.25 ng
RT: 14.648 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

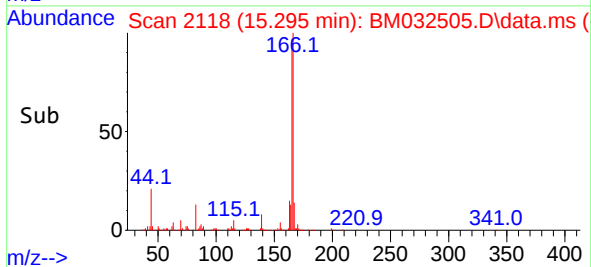
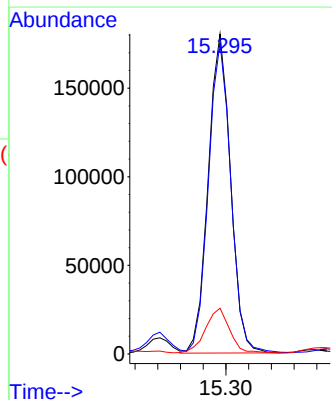
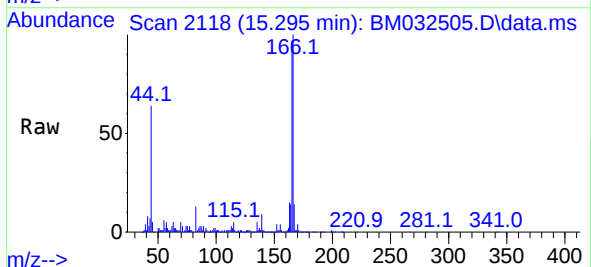
Instrument :
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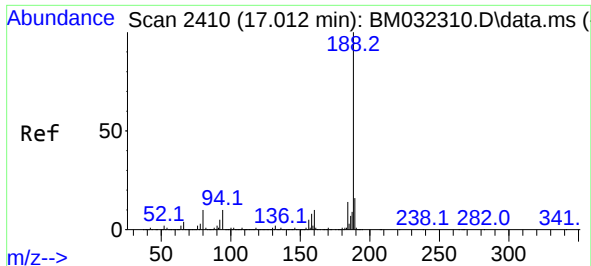
Tgt Ion:168 Resp: 263523
Ion Ratio Lower Upper
168 100
139 37.6 35.0 52.4
169 14.4 10.8 16.2



#58
Fluorene
Concen: 8.90 ng
RT: 15.295 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

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

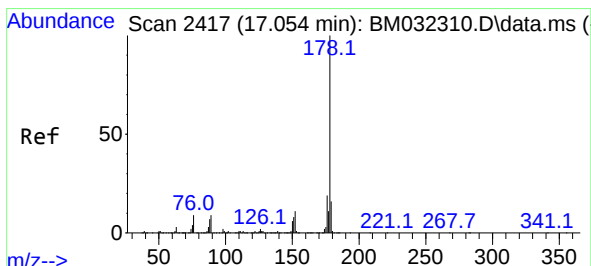
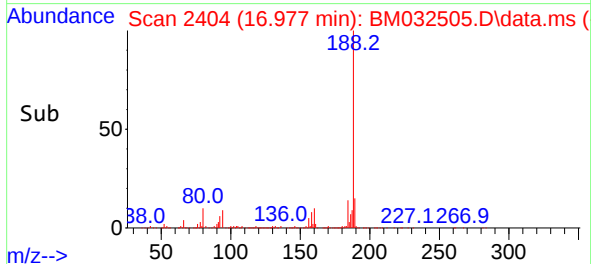
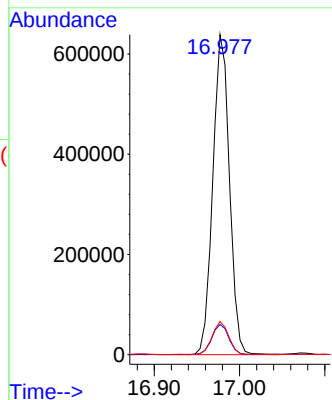
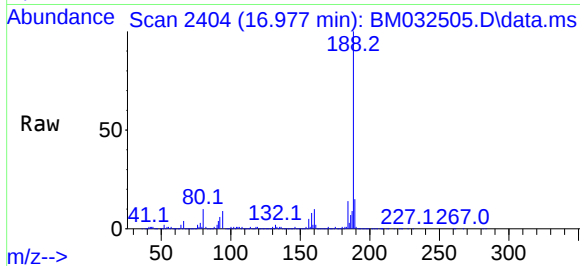




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.977 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

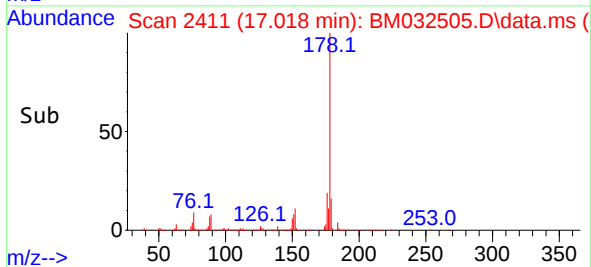
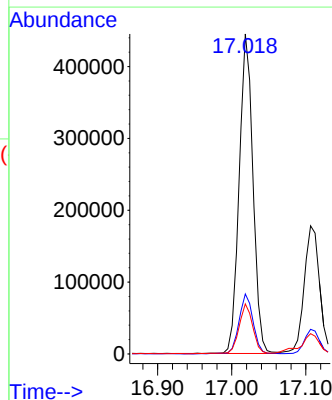
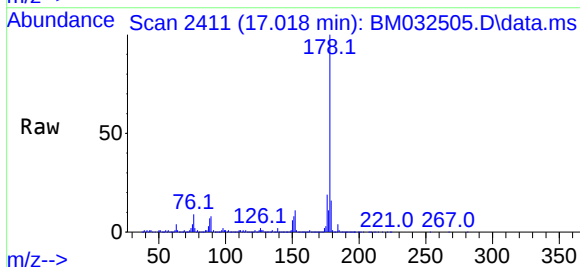
Instrument :
BNA_M
ClientSampleId :
20-20211008-WC

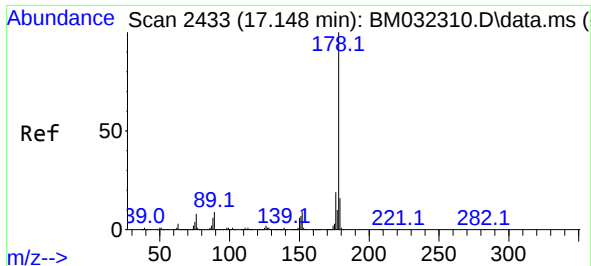
Tgt Ion:188 Resp: 865780
Ion Ratio Lower Upper
188 100
94 9.5 6.3 9.5
80 10.3 7.3 10.9



#71
Phenanthrene
Concen: 12.68 ng
RT: 17.018 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

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

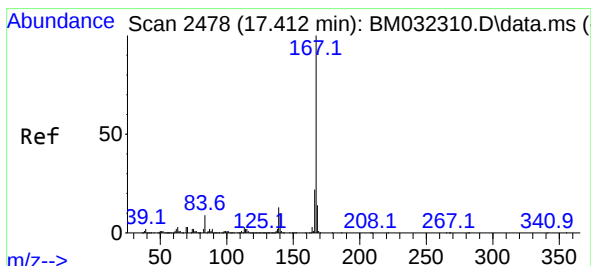
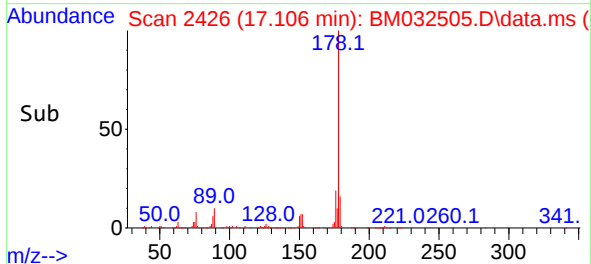
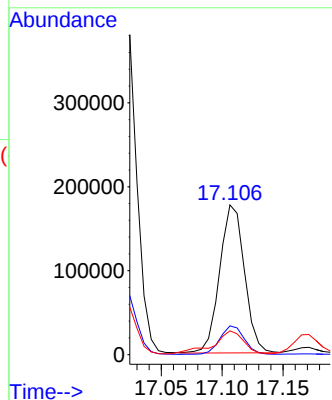
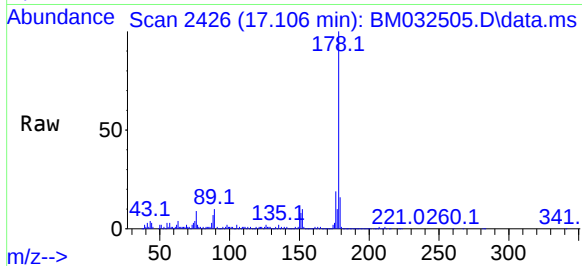




#72
 Anthracene
 Concen: 5.63 ng
 RT: 17.106 min Scan# 2426
 Delta R.T. -0.006 min
 Lab File: BM032505.D
 Acq: 13 Oct 2021 20:41

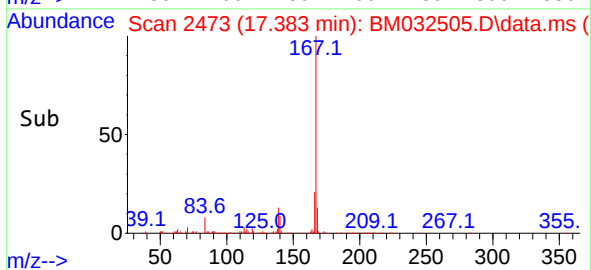
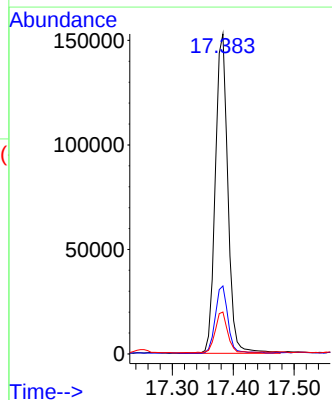
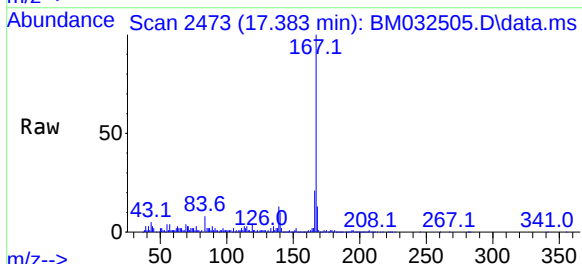
Instrument :
 BNA_M
 ClientSampleId :
 20-20211008-WC

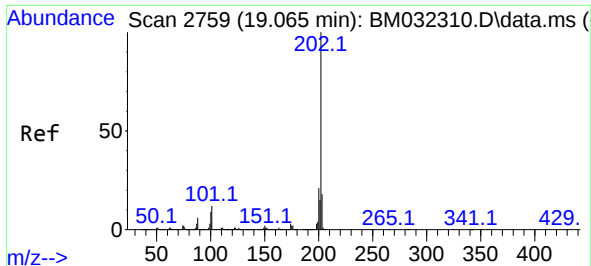
Tgt Ion:178 Resp: 250122
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.8 22.2
 179 15.9 12.3 18.5



#73
 Carbazole
 Concen: 4.98 ng
 RT: 17.383 min Scan# 2473
 Delta R.T. -0.000 min
 Lab File: BM032505.D
 Acq: 13 Oct 2021 20:41

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

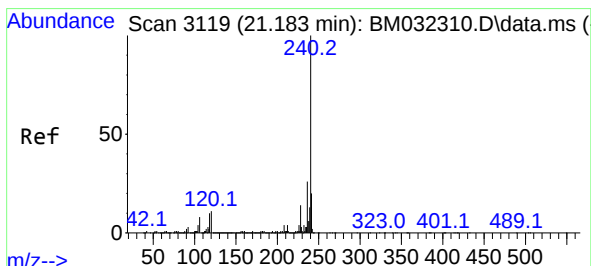
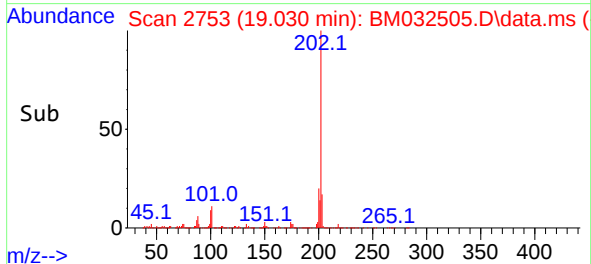
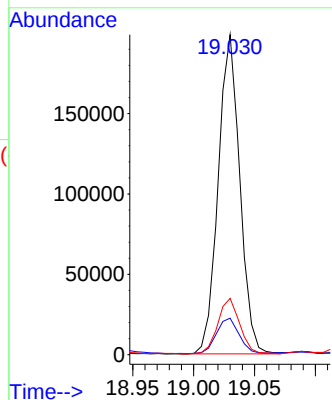
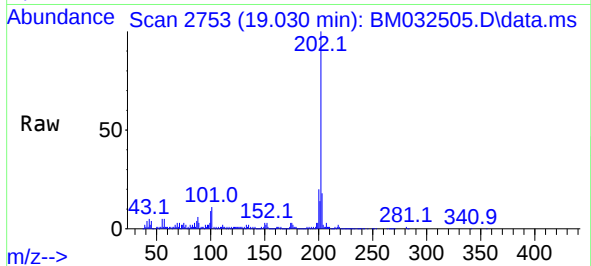




#75
Fluoranthene
Concen: 4.87 ng
RT: 19.030 min Scan# 2753
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

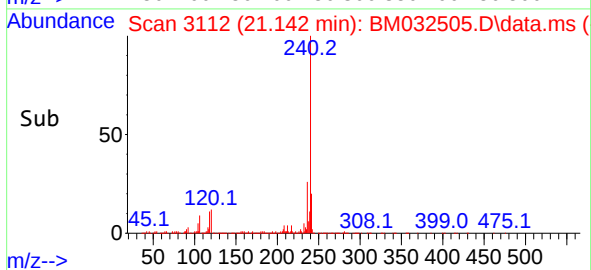
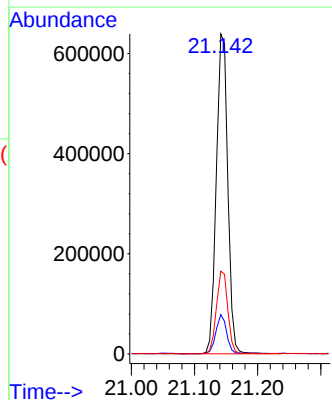
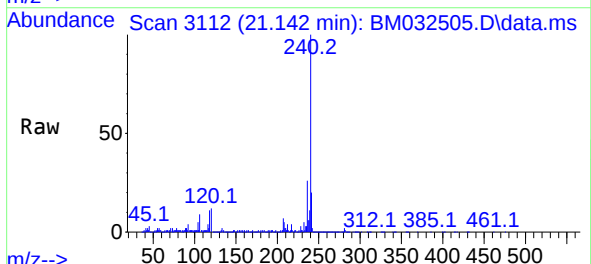
Instrument :
BNA_M
ClientSampleId :
20-20211008-WC

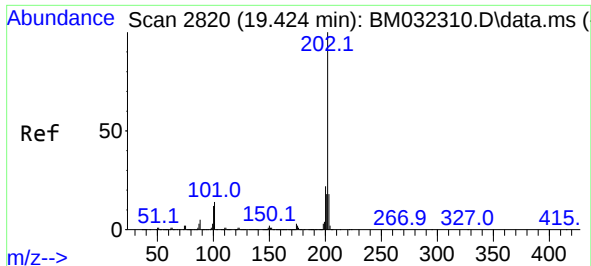
Tgt Ion:202 Resp: 245446
Ion Ratio Lower Upper
202 100
101 11.4 0.0 29.9
203 17.6 0.0 36.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.142 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

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



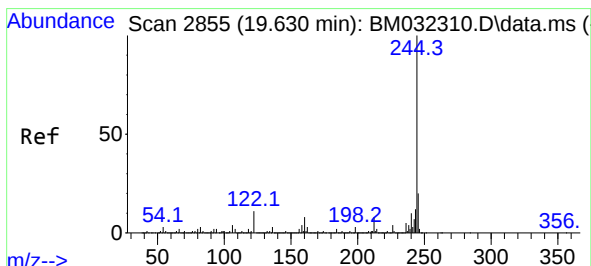
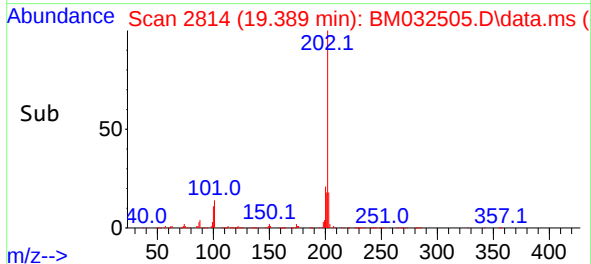
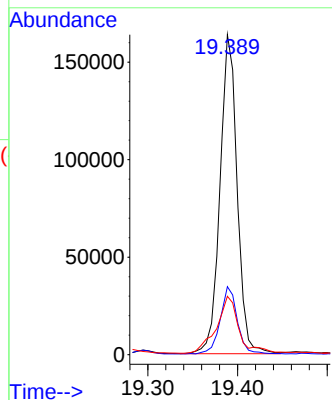
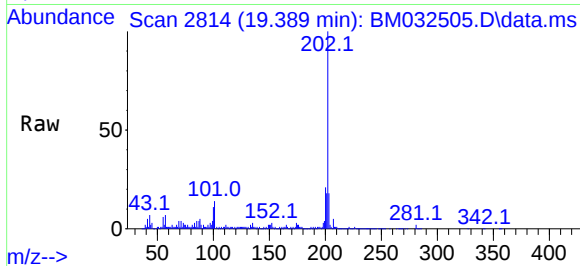


#78
Pyrene
Concen: 3.98 ng
RT: 19.389 min Scan# 2814
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Instrument :
BNA_M
ClientSampleId :
20-20211008-WC

Tgt Ion:202 Resp: 217273

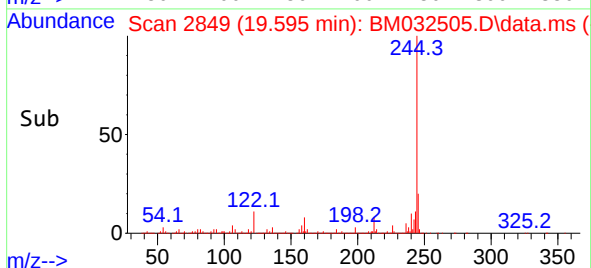
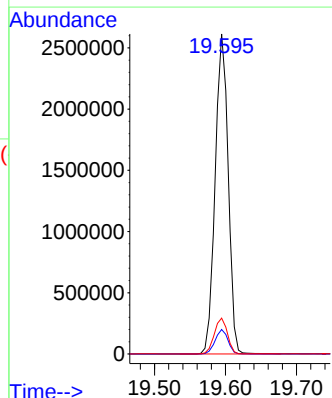
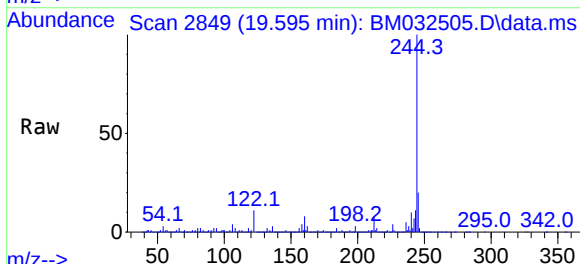
Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	25.0
203	18.3	13.7	20.5

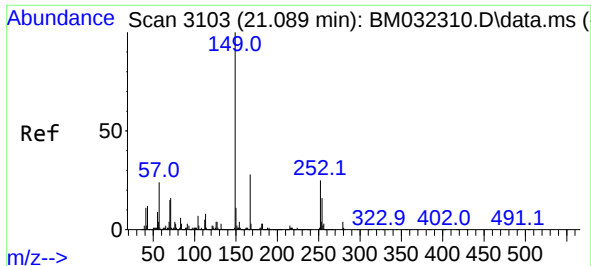


#79
Terphenyl-d14
Concen: 86.94 ng
RT: 19.595 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

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

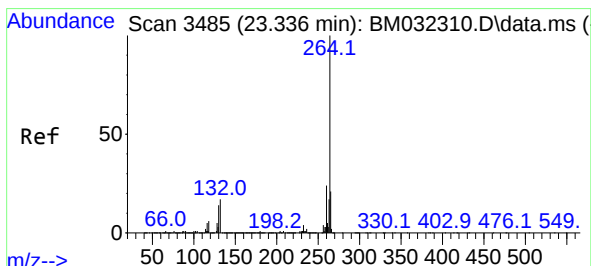
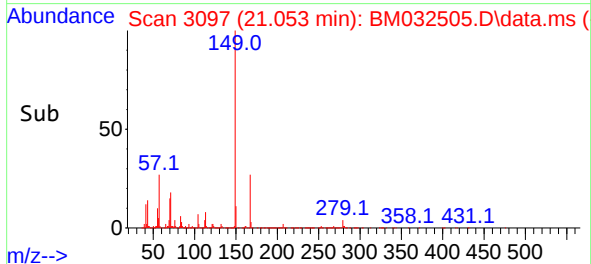
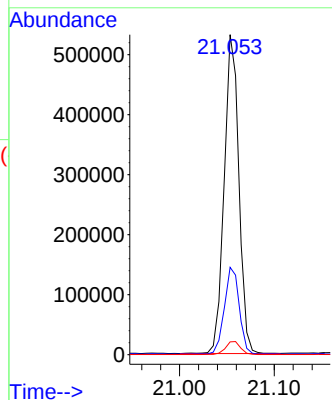
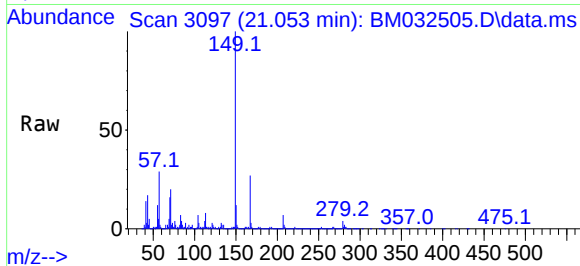




#84
Bis(2-ethylhexyl)phthalate
Concen: 20.50 ng
RT: 21.053 min Scan# 3097
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

Instrument :
BNA_M
ClientSampleId :
20-20211008-WC

Tgt Ion: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: 20.00 ng
RT: 23.283 min Scan# 3476
Delta R.T. -0.006 min
Lab File: BM032505.D
Acq: 13 Oct 2021 20:41

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

