

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101321\
 Data File : BM032503.D
 Acq On : 13 Oct 2021 19:29
 Operator : CG/JU
 Sample : M4142-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 2087

Quant Time: Oct 14 02:32:07 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)

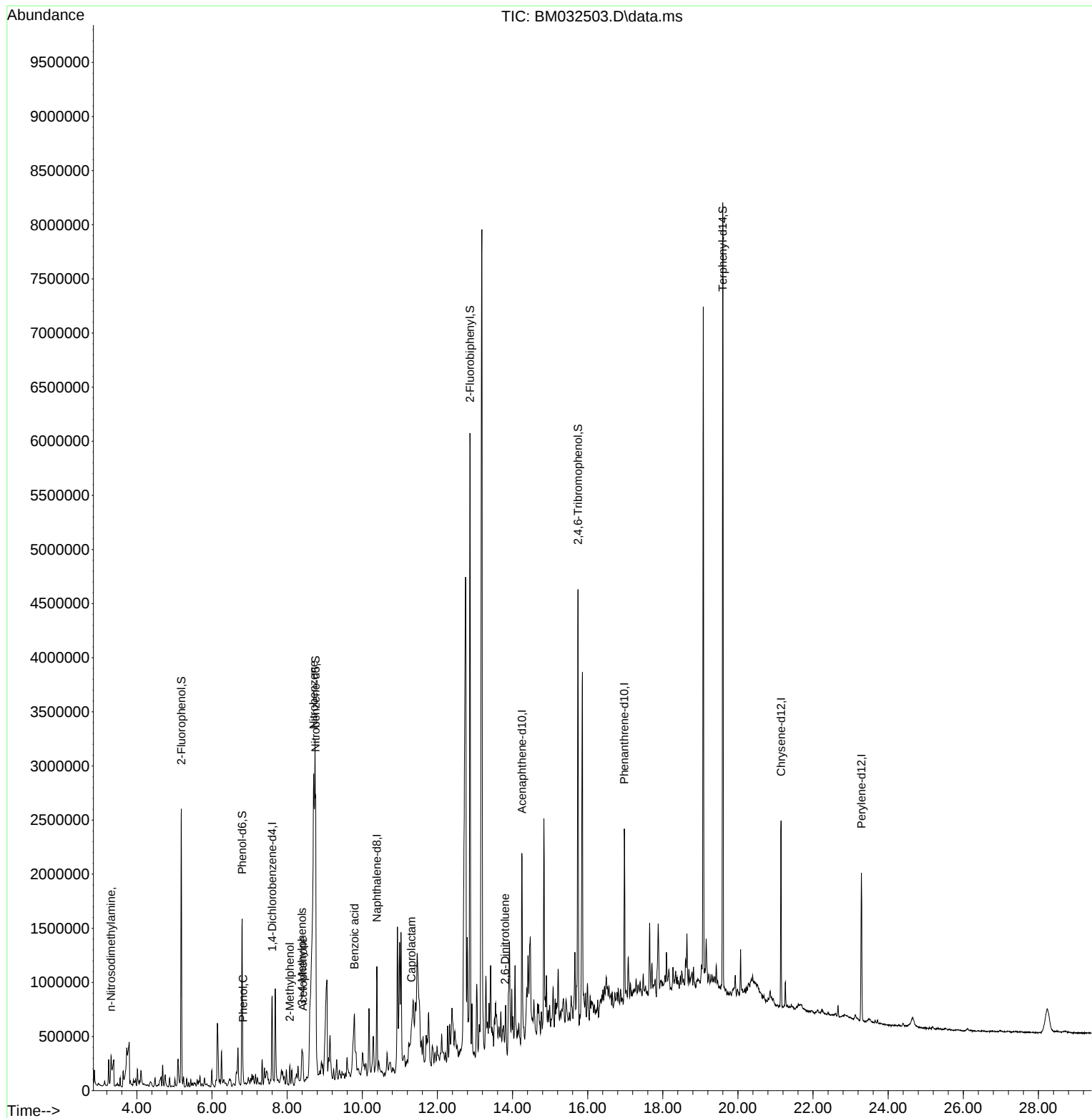
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.601	152	209077	20.000	ng	0.00
21) Naphthalene-d8	10.389	136	797487	20.000	ng	# 0.00
39) Acenaphthene-d10	14.254	164	474714	20.000	ng	# 0.00
64) Phenanthrene-d10	16.977	188	842123	20.000	ng	# 0.00
76) Chrysene-d12	21.148	240	806770	20.000	ng	0.00
86) Perylene-d12	23.289	264	854312	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.184	112	1053596	84.907	ng	0.00
7) Phenol-d6	6.801	99	872679	51.427	ng	0.00
23) Nitrobenzene-d5	8.760	82	1434383	100.036	ng	0.00
42) 2,4,6-Tribromophenol	15.742	330	712347	134.041	ng	0.00
45) 2-Fluorobiphenyl	12.872	172	2944813	92.233	ng	0.00
79) Terphenyl-d14	19.595	244	3471352	90.618	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.313	42	22469	3.921	ng	# 31
10) Phenol	6.825	94	46283	2.833	ng	85
17) 2-Methylphenol	8.072	107	53372	4.834	ng	# 90
20) 3+4-Methylphenols	8.395	107	98995	6.646	ng	94
22) Acetophenone	8.419	105	80573	4.192	ng	# 91
24) Nitrobenzene	8.707	77	96303	6.964	ng	# 57
32) Benzoic acid	9.789	122	348092	43.005	ng	# 82
35) Caprolactam	11.307	113	30004	8.098	ng	# 1
51) 2,6-Dinitrotoluene	13.801	165	22822	3.361	ng	# 33

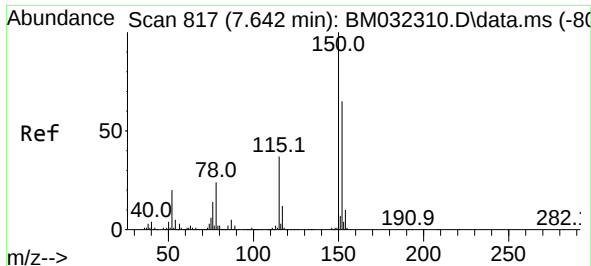
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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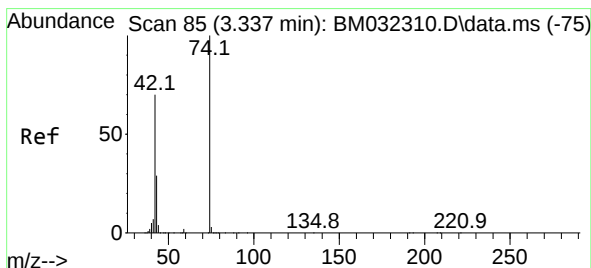
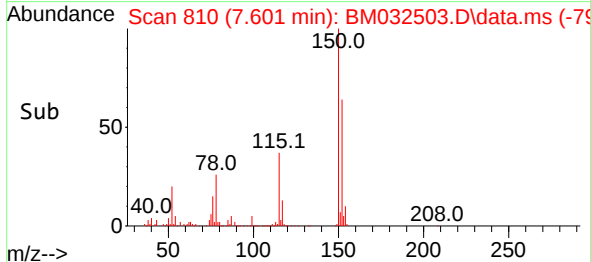
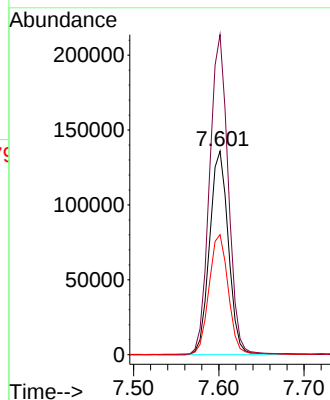
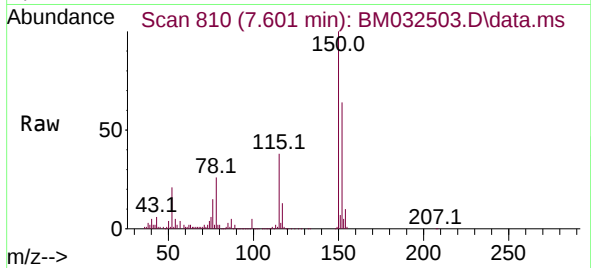




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.601 min Scan# 810
Delta R.T. -0.006 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

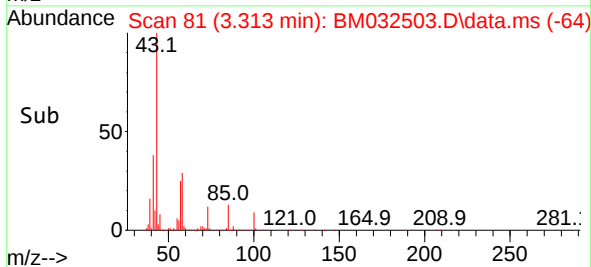
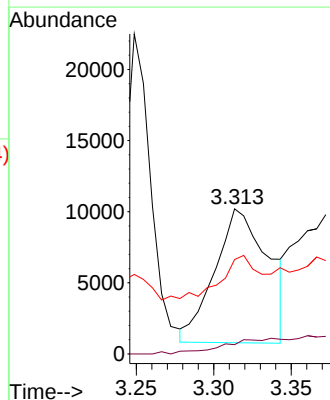
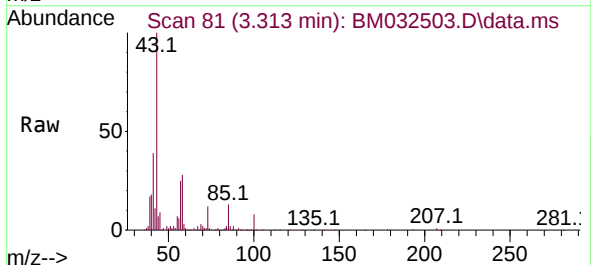
Instrument :
BNA_M
ClientSampleId :
2087

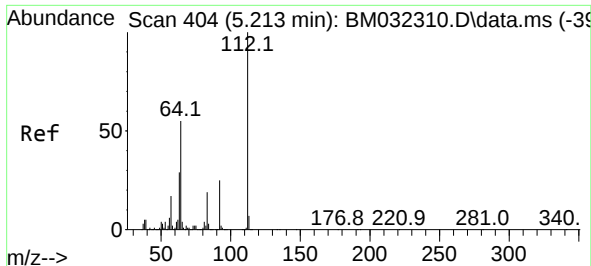
Tgt Ion:152 Resp: 209077
Ion Ratio Lower Upper
152 100
150 157.2 122.4 183.6
115 59.0 53.8 80.8



#4
n-Nitrosodimethylamine
Concen: 3.921 ng
RT: 3.313 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

Tgt Ion: 42 Resp: 22469
Ion Ratio Lower Upper
42 100
74 6.3 99.5 149.3#
44 65.0 57.3 85.9

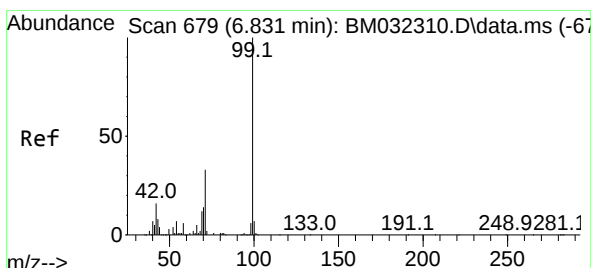
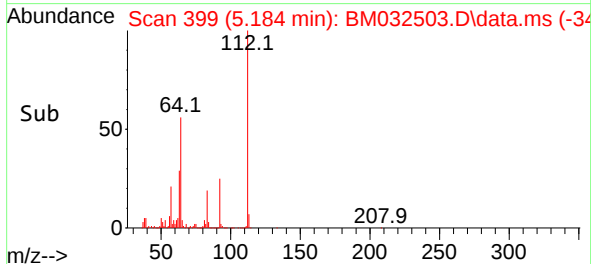
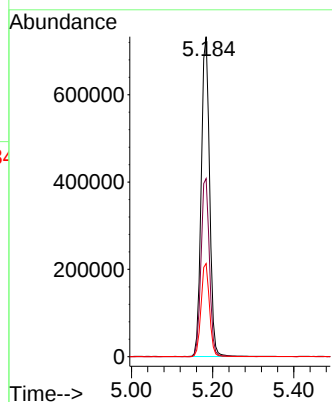
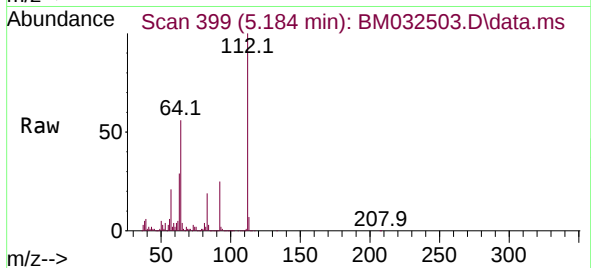




#5
2-Fluorophenol
Concen: 84.907 ng
RT: 5.184 min Scan# 399
Delta R.T. 0.006 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

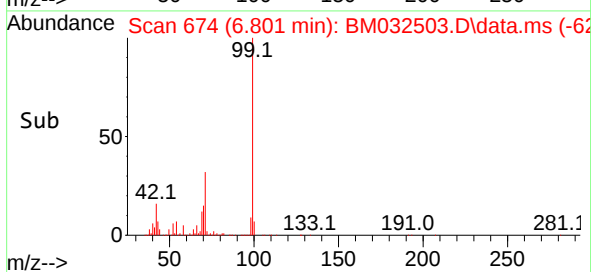
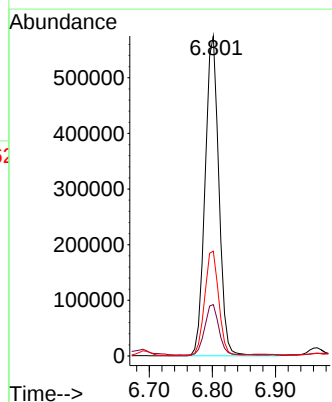
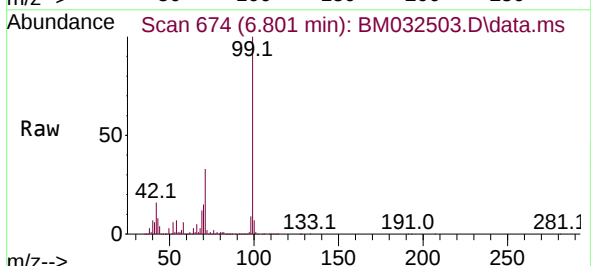
Instrument :
BNA_M
ClientSampleId :
2087

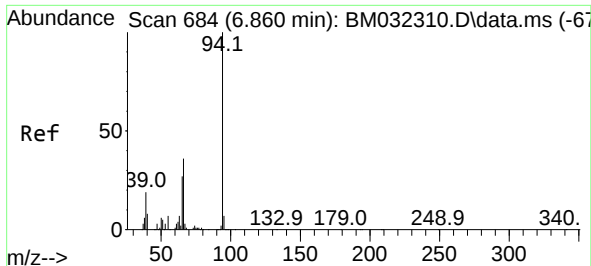
Tgt Ion:112 Resp: 1053596
Ion Ratio Lower Upper
112 100
64 55.7 53.7 80.5
63 29.1 33.9 50.9#



#7
Phenol-d6
Concen: 51.427 ng
RT: 6.801 min Scan# 674
Delta R.T. 0.000 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

Tgt Ion: 99 Resp: 872679
Ion Ratio Lower Upper
99 100
42 16.0 23.0 34.6#
71 32.8 37.8 56.8#

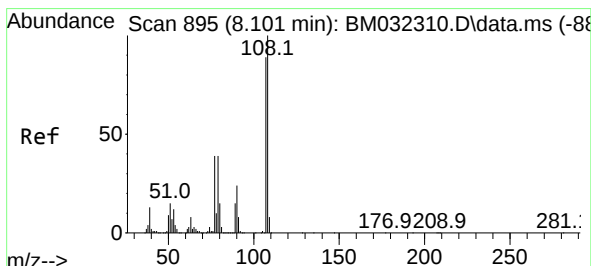
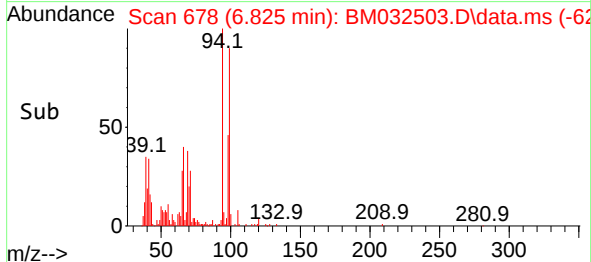
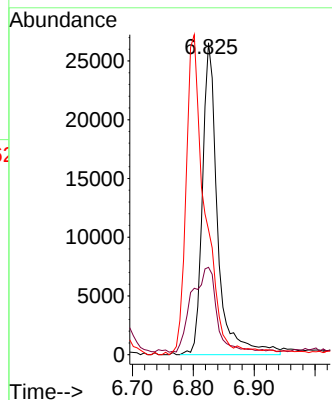
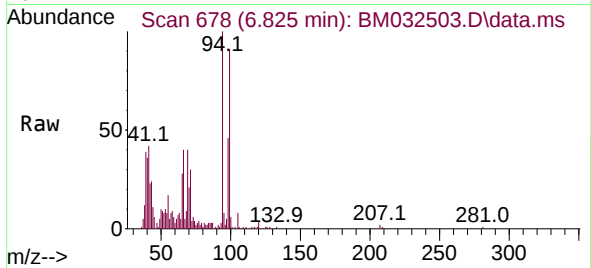




#10
Phenol
Concen: 2.833 ng
RT: 6.825 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

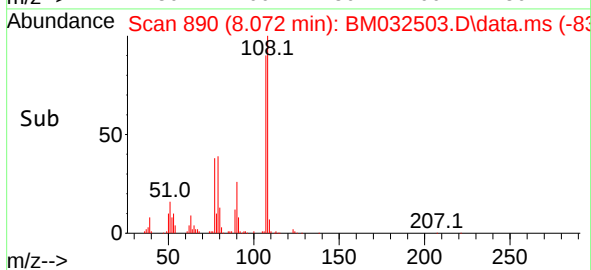
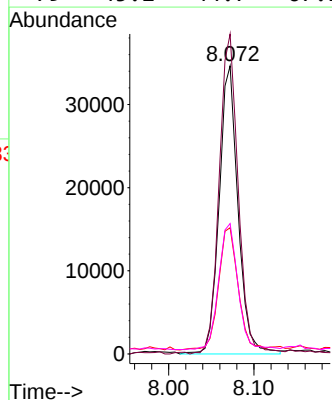
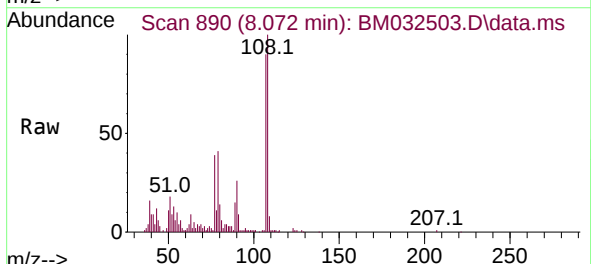
Instrument :
BNA_M
ClientSampleId :
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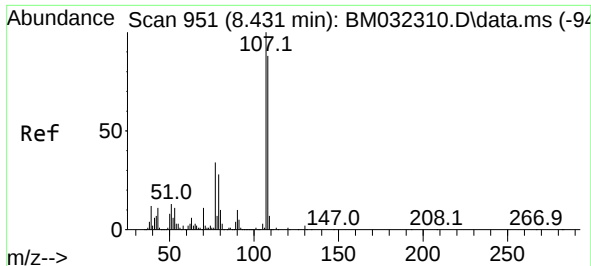
Tgt Ion: 94 Resp: 46283
Ion Ratio Lower Upper
94 100
65 28.0 16.9 56.9
66 40.1 30.0 70.0



#17
2-Methylphenol
Concen: 4.834 ng
RT: 8.072 min Scan# 890
Delta R.T. 0.000 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

Tgt Ion: 107 Resp: 53372
Ion Ratio Lower Upper
107 100
108 111.1 87.9 131.9
77 43.8 48.2 72.2#
79 45.2 44.7 67.1

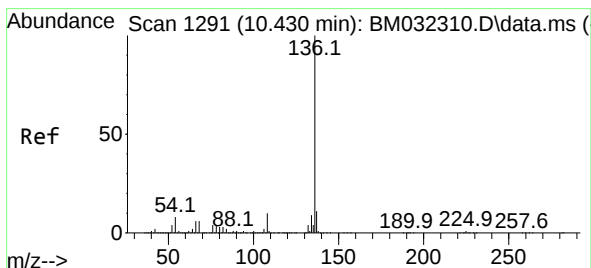
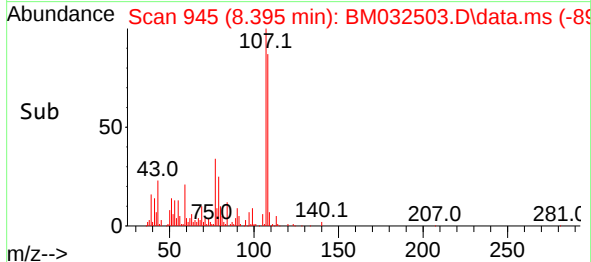
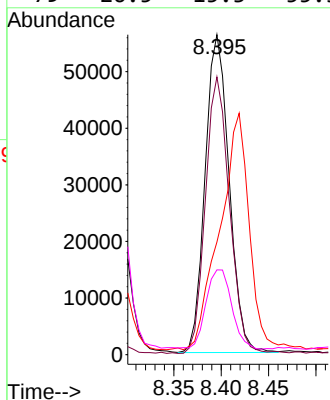
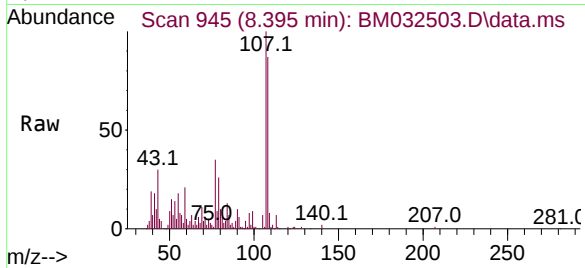




#20
3+4-Methylphenols
Concen: 6.646 ng
RT: 8.395 min Scan# 945
Delta R.T. -0.006 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

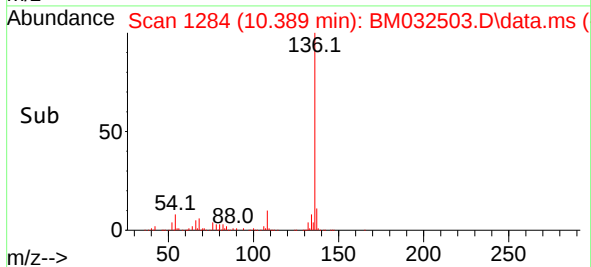
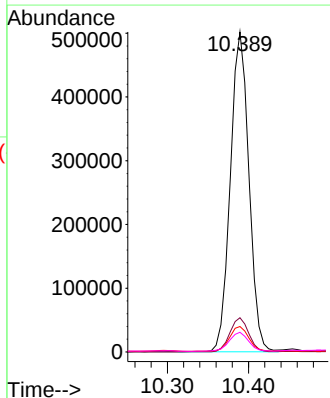
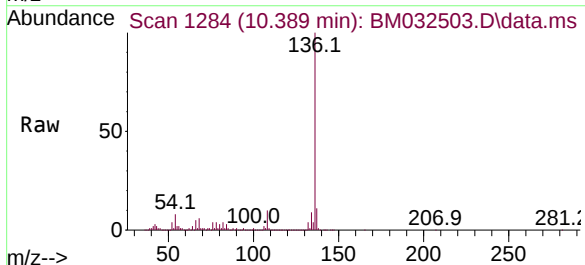
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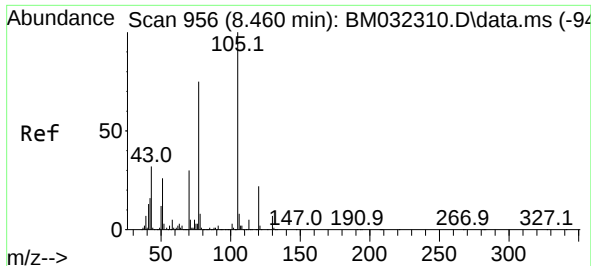
Tgt Ion:	107	Resp:	98995
Ion	Ratio	Lower	Upper
107	100		
108	86.8	67.6	107.6
77	35.2	21.9	61.9
79	26.5	15.3	55.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.389 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

Tgt Ion:	136	Resp:	797487
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	7.9	7.4	11.0
68	6.2	3.8	5.8

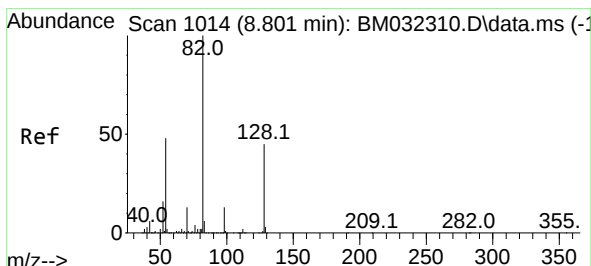
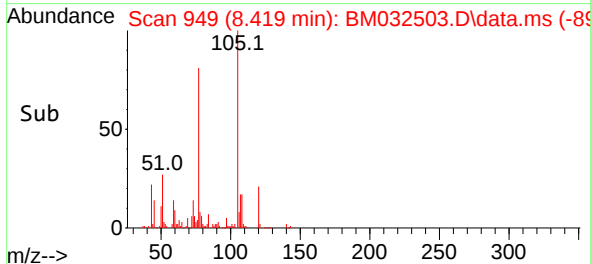
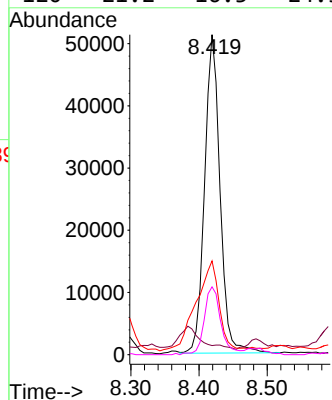
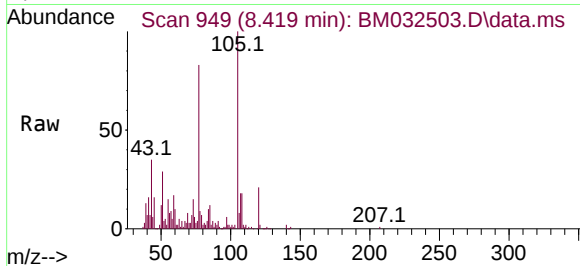




#22
Acetophenone
Concen: 4.192 ng
RT: 8.419 min Scan# 949
Delta R.T. -0.006 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

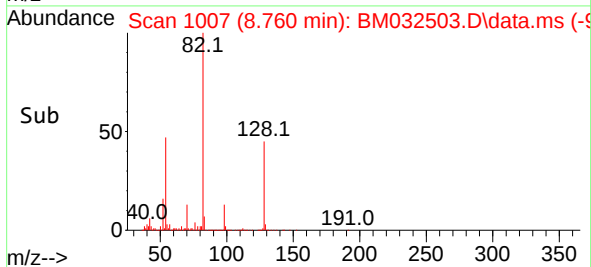
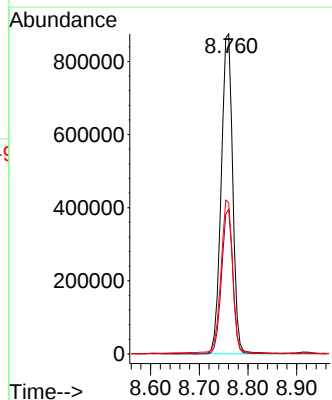
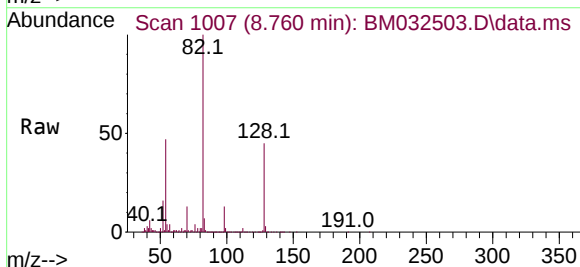
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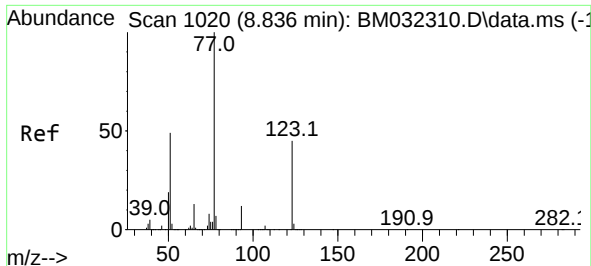
Tgt Ion:	105	Resp:	80573
Ion Ratio	Lower	Upper	
105	100		
71	2.9	3.8	5.6#
51	29.3	29.5	44.3#
120	21.2	16.3	24.5



#23
Nitrobenzene-d5
Concen: 100.036 ng
RT: 8.760 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

Tgt Ion:	82	Resp:	1434383
Ion Ratio	Lower	Upper	
82	100		
128	45.2	29.0	43.6#
54	47.3	45.8	68.8

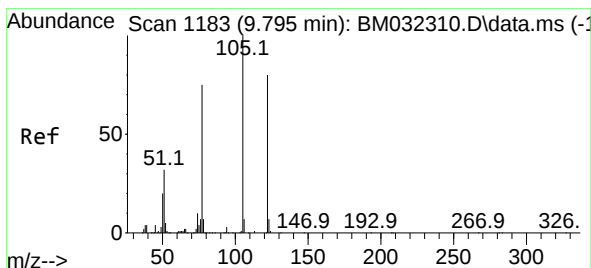
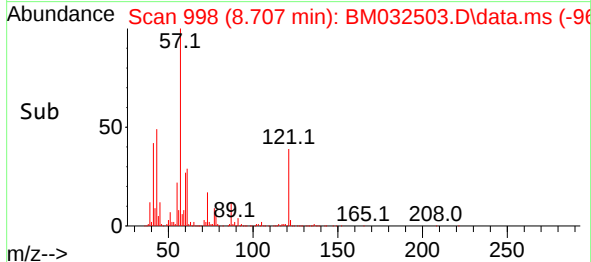
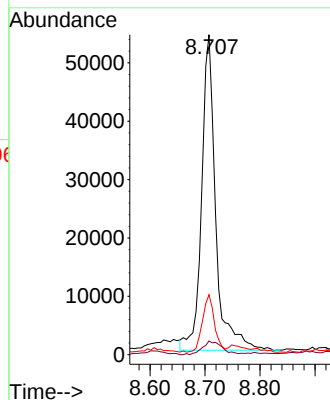
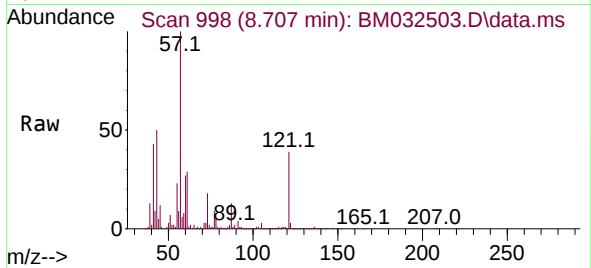




#24
Nitrobenzene
Concen: 6.964 ng
RT: 8.707 min Scan# 998
Delta R.T. -0.094 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

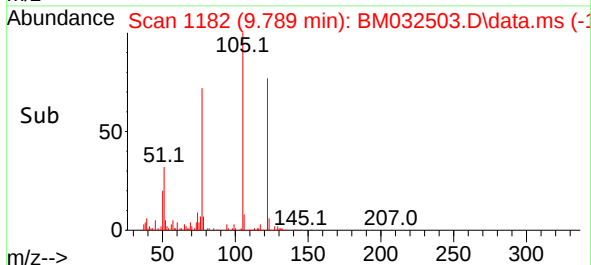
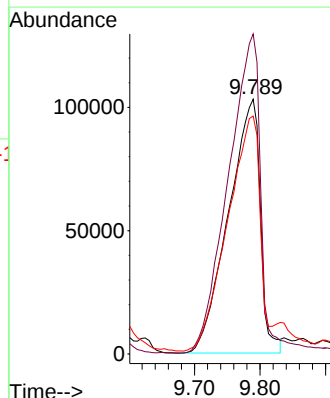
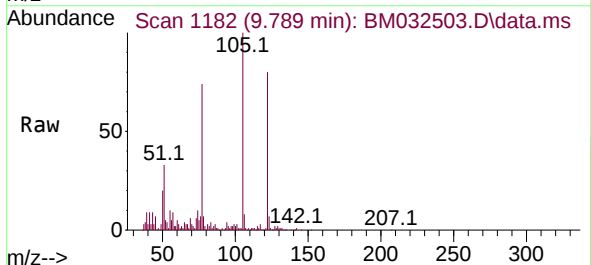
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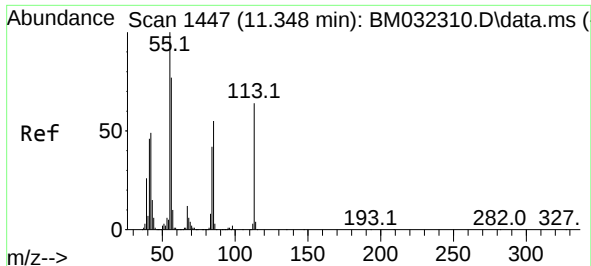
Tgt Ion: 77 Resp: 96303
Ion Ratio Lower Upper
77 100
123 4.3 30.1 45.1#
65 18.8 11.7 17.5#



#32
Benzoic acid
Concen: 43.005 ng
RT: 9.789 min Scan# 1182
Delta R.T. 0.029 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

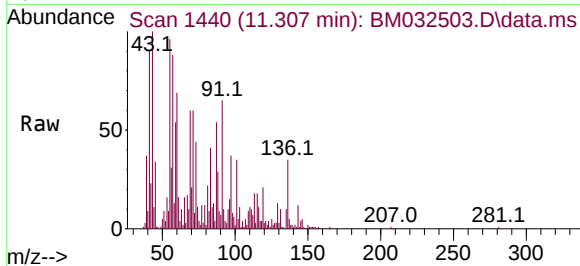
Tgt Ion: 122 Resp: 348092
Ion Ratio Lower Upper
122 100
105 125.6 120.3 160.3
77 93.4 100.0 140.0#



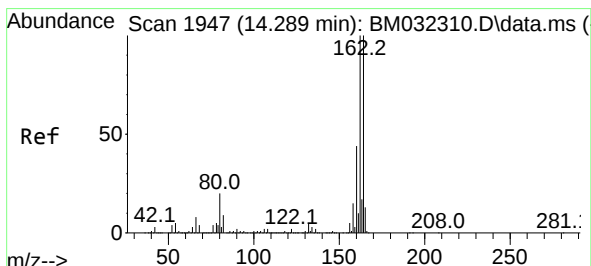
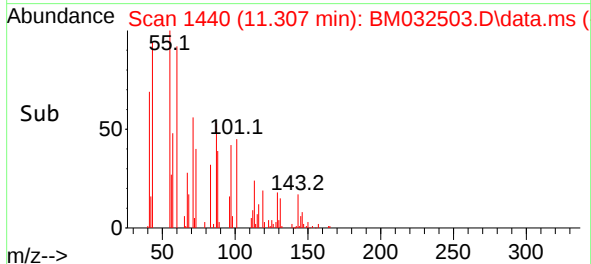
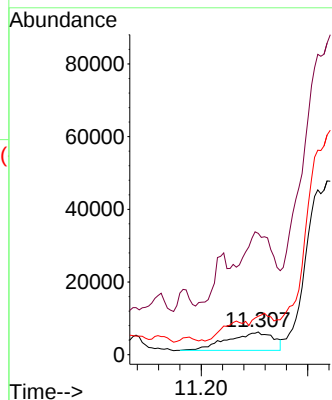


#35
Caprolactam
Concen: 8.098 ng
RT: 11.307 min Scan# 1440
Delta R.T. -0.018 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

Instrument :
BNA_M
ClientSampled :
2087

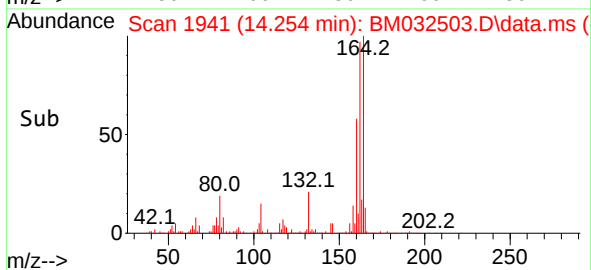
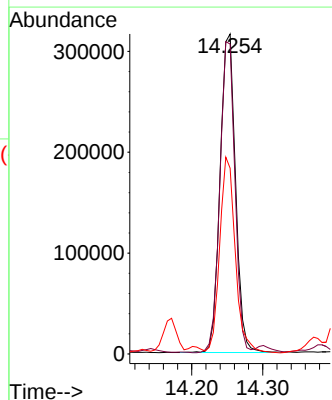
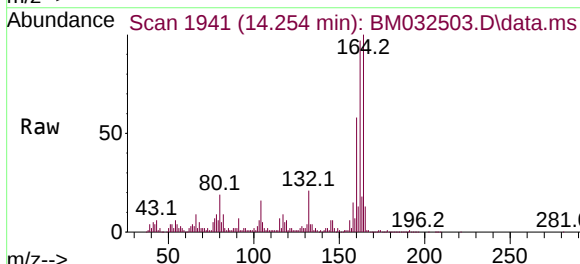


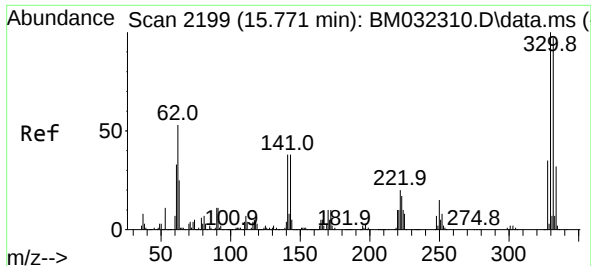
Tgt Ion:113 Resp: 30004
Ion Ratio Lower Upper
113 100
55 533.5 170.5 210.5#
56 168.8 125.2 165.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

Tgt Ion:164 Resp: 474714
Ion Ratio Lower Upper
164 100
162 96.8 80.6 121.0
160 58.0 35.1 52.7#

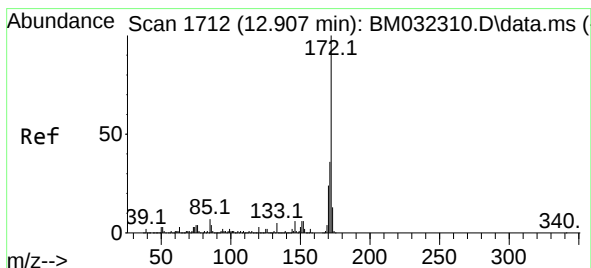
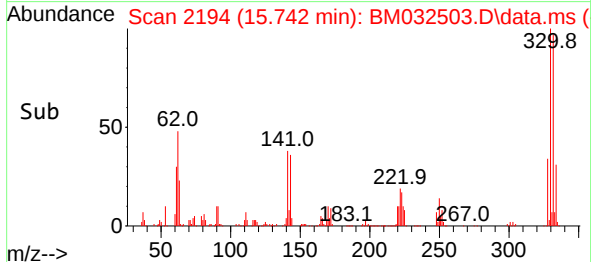
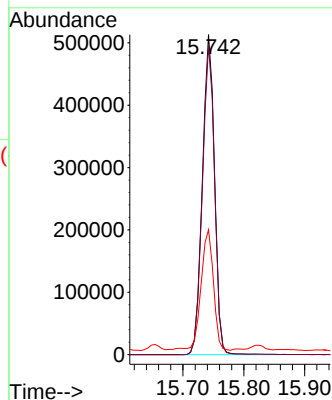
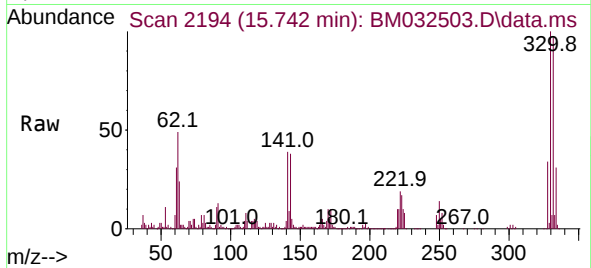




#42
2,4,6-Tribromophenol
Concen: 134.041 ng
RT: 15.742 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

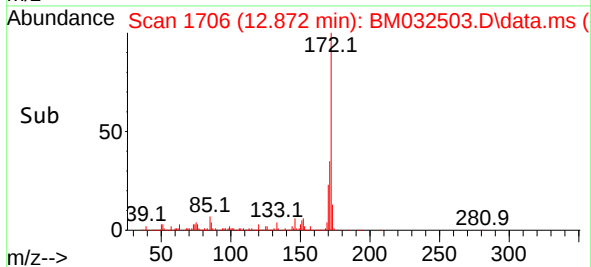
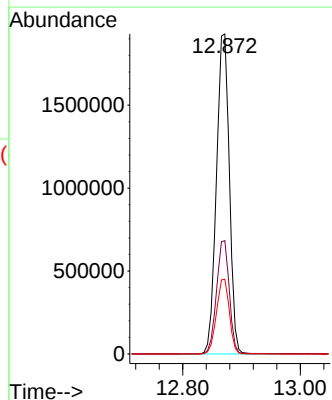
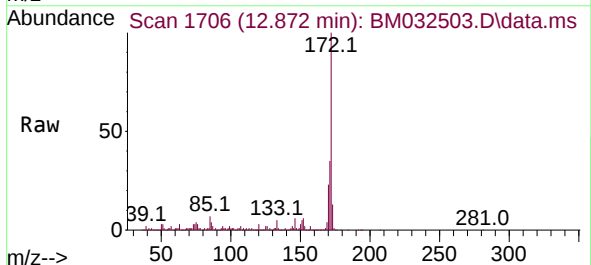
Instrument :
BNA_M
ClientSampleId :
2087

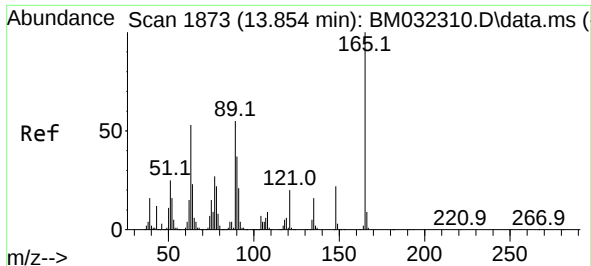
Tgt Ion:330 Resp: 712347
Ion Ratio Lower Upper
330 100
332 96.3 75.7 113.5
141 38.7 50.7 76.1#



#45
2-Fluorobiphenyl
Concen: 92.233 ng
RT: 12.872 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

Tgt Ion:172 Resp: 2944813
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 23.4 18.6 27.8

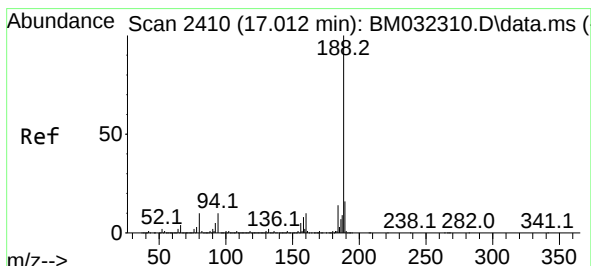
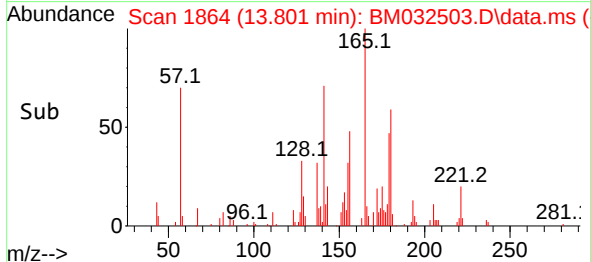
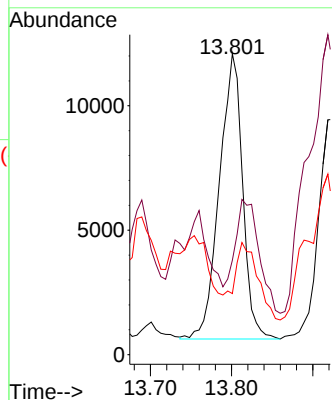
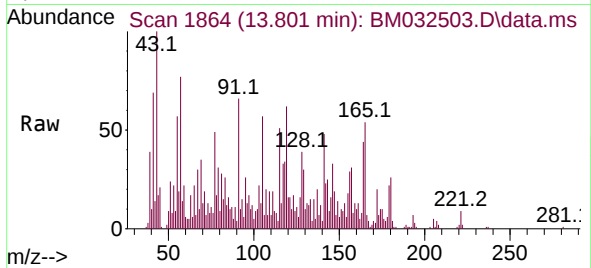




#51
2,6-Dinitrotoluene
Concen: 3.361 ng
RT: 13.801 min Scan# 1864
Delta R.T. -0.024 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

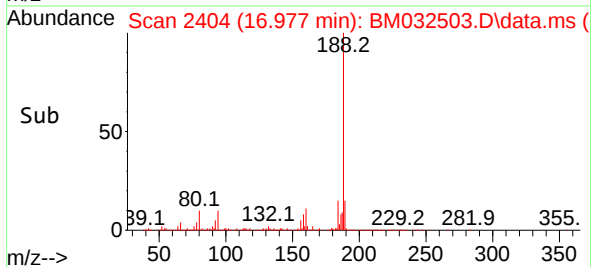
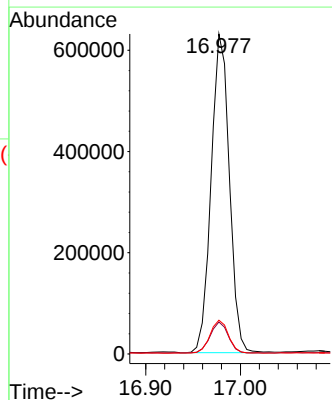
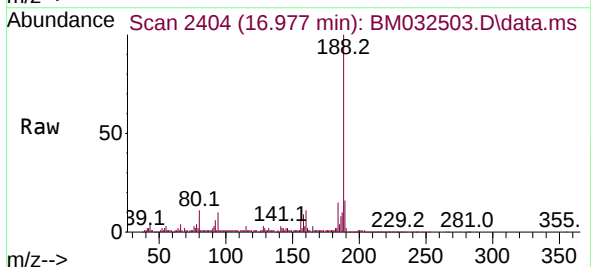
Instrument :
BNA_M
ClientSampled :
2087

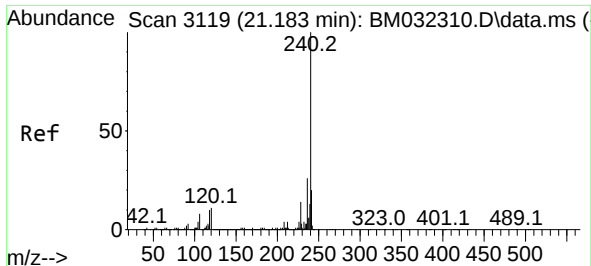
Tgt Ion:165 Resp: 22822
Ion Ratio Lower Upper
165 100
63 31.4 72.4 108.6#
89 20.3 69.3 103.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.977 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

Tgt Ion:188 Resp: 842123
Ion Ratio Lower Upper
188 100
94 10.0 6.3 9.5#
80 10.5 7.3 10.9

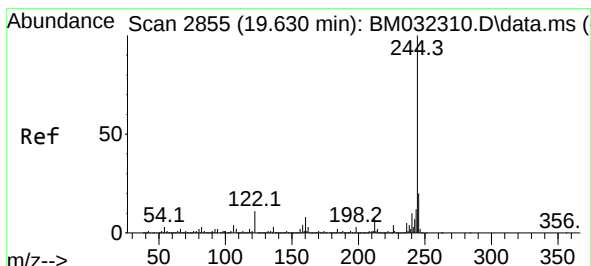
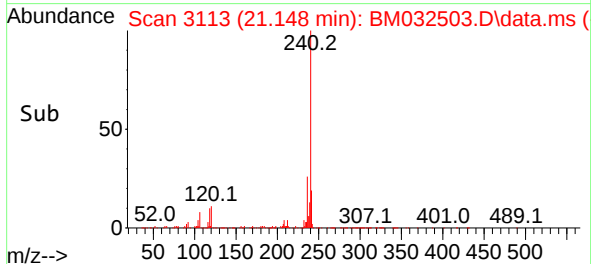
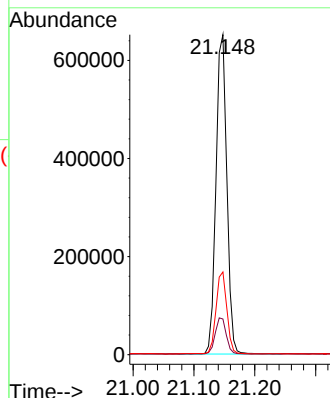
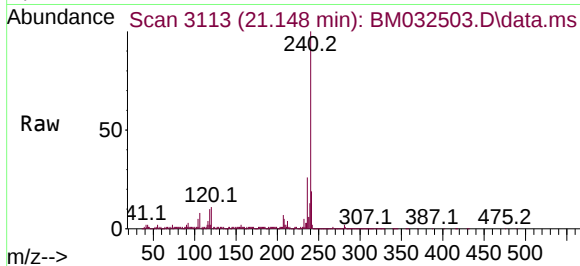




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.148 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

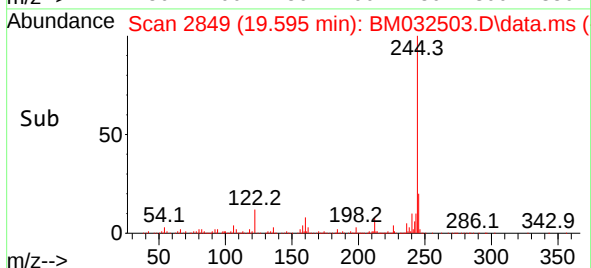
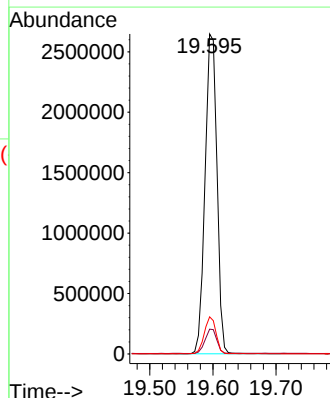
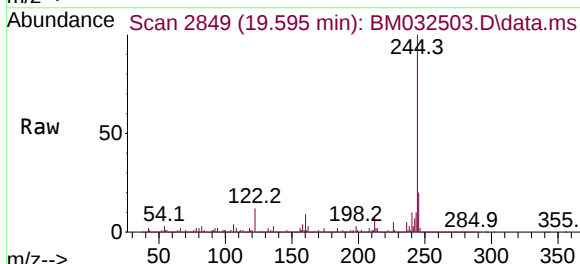
Instrument :
BNA_M
ClientSampleId :
2087

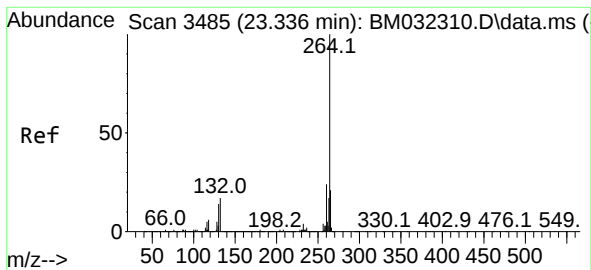
Tgt Ion:240 Resp: 806770
Ion Ratio Lower Upper
240 100
120 11.1 7.8 11.6
236 25.8 20.9 31.3



#79
Terphenyl-d14
Concen: 90.618 ng
RT: 19.595 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

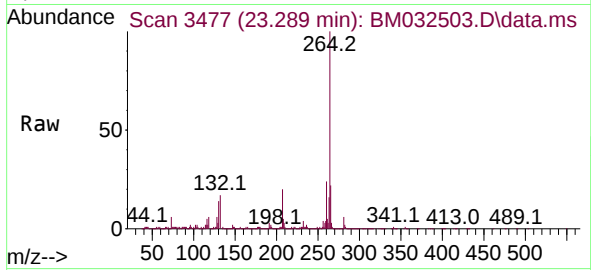
Tgt Ion:244 Resp: 3471352
Ion Ratio Lower Upper
244 100
212 7.8 6.5 9.7
122 11.6 8.7 13.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.289 min Scan# 3477
Delta R.T. 0.000 min
Lab File: BM032503.D
Acq: 13 Oct 2021 19:29

Instrument :
BNA_M
ClientSampleId :
2087



Tgt Ion:	264	Resp:	854312
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.3	28.9
265	22.0	18.3	27.5

