

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
 Data File : BM042501.D
 Acq On : 30 Oct 2023 19:31
 Operator : MA/JU
 Sample : 04909-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LCOL-12RE

Quant Time: Oct 31 03:46:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 02:55:18 2023
 Response via : Initial Calibration

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

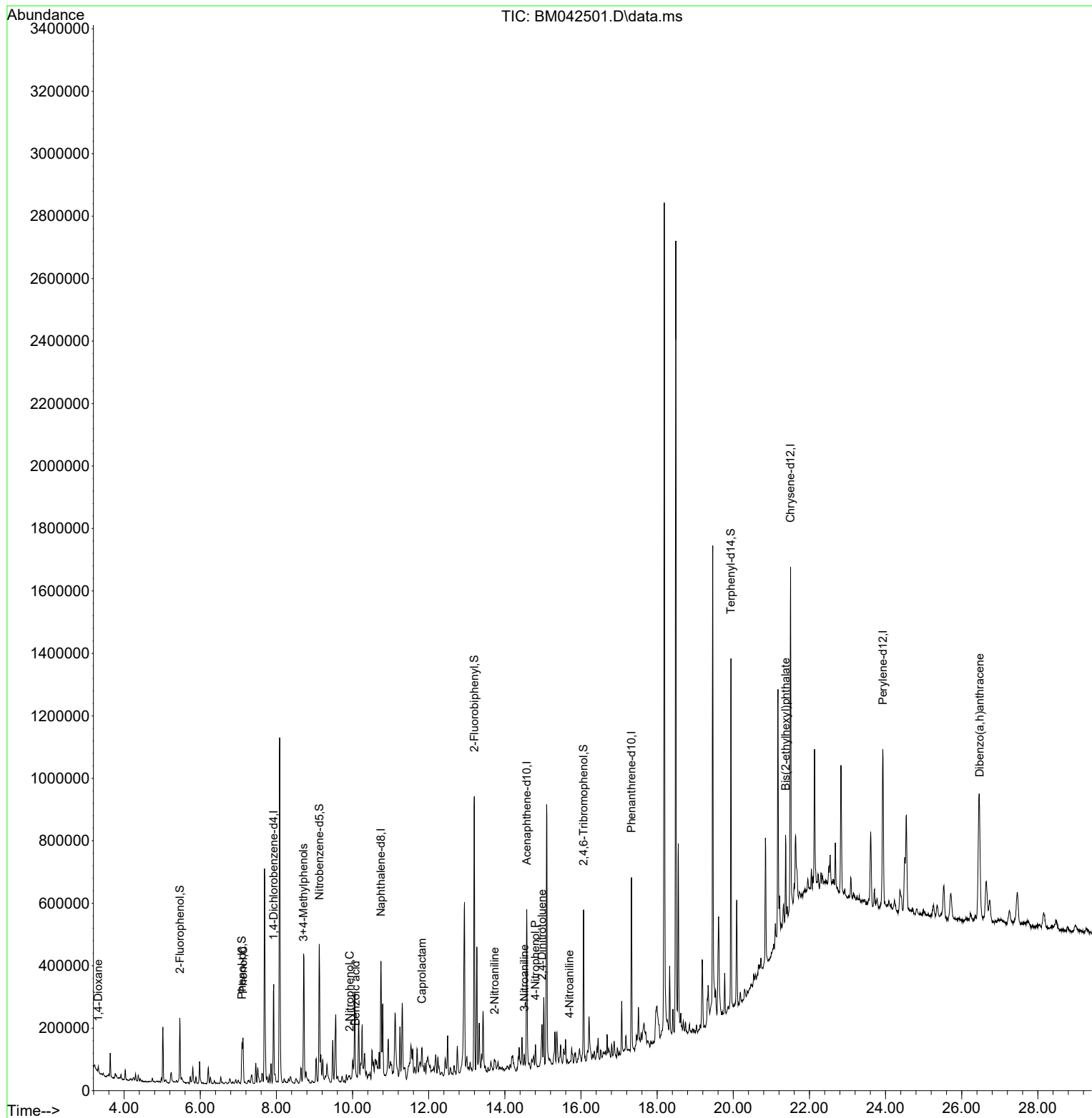
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	69082	20.000	ng	0.00
21) Naphthalene-d8	10.745	136	266388	20.000	ng	0.00
39) Acenaphthene-d10	14.574	164	152563	20.000	ng	0.00
64) Phenanthrene-d10	17.327	188	317590	20.000	ng	0.00
76) Chrysene-d12	21.503	240	316482	20.000	ng	0.00
86) Perylene-d12	23.927	264	380683	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	77668	18.145	ng	0.00
7) Phenol-d6	7.092	99	65656	11.184	ng	0.00
23) Nitrobenzene-d5	9.128	82	241831	42.319	ng	0.00
42) 2,4,6-Tribromophenol	16.068	330	68686	34.484	ng	0.00
45) 2-Fluorobiphenyl	13.198	172	404540	35.680	ng	0.00
79) Terphenyl-d14	19.939	244	471985	25.287	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.322	88	6662	3.266	ng	# 82
10) Phenol	7.122	94	69540	11.664	ng	98
20) 3+4-Methylphenols	8.710	107	50509	8.949	ng	96
26) 2-Nitrophenol	9.928	139	546	3.729	ng	# 69
32) Benzoic acid	10.081	122	118	4.145	ng	# 1
35) Caprolactam	11.822	113	15052	11.190	ng	# 87
48) 2-Nitroaniline	13.727	65	2185	4.926	ng	# 36
53) 3-Nitroaniline	14.516	138	1489	4.865	ng	# 1
56) 4-Nitrophenol	14.804	139	1418	7.560	ng	# 1
57) 2,4-Dinitrotoluene	14.974	165	195	4.021	ng	# 73
62) 4-Nitroaniline	15.698	138	741	6.016	ng	# 35
84) Bis(2-ethylhexyl)phtha...	21.374	149	88979	6.343	ng	97
91) Dibenzo(a,h)anthracene	26.474	278	283	4.150	ng	# 1

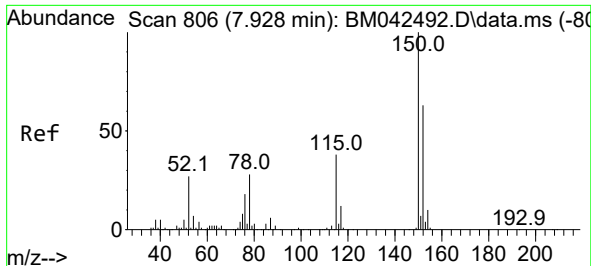
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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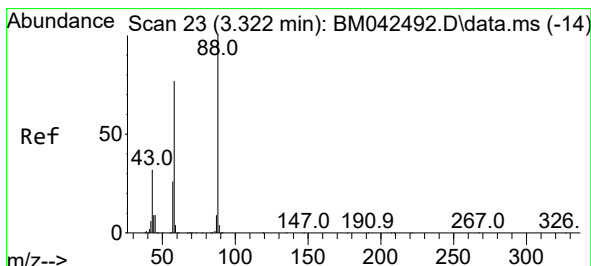
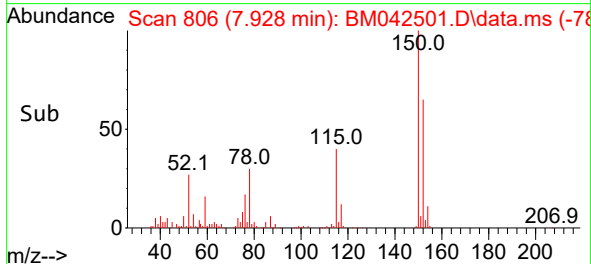
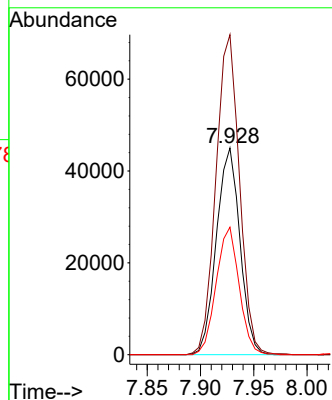
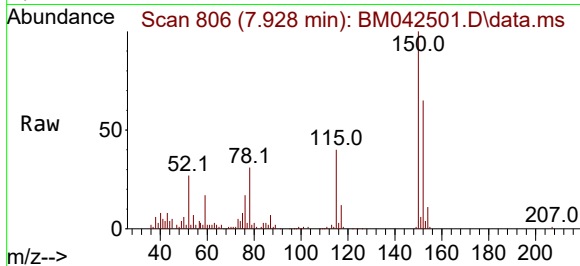




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.928 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

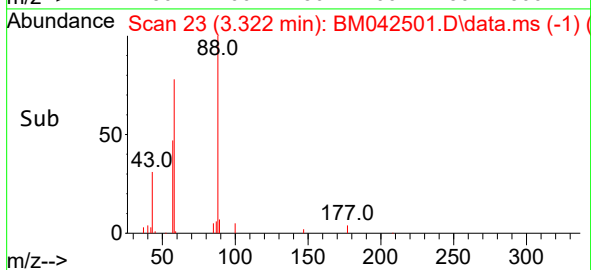
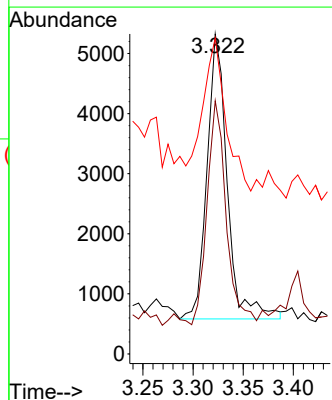
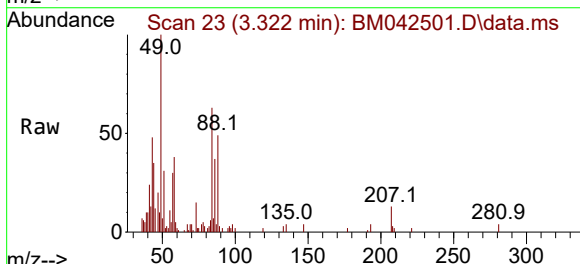
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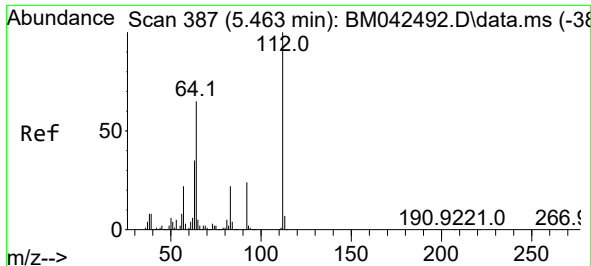
Tgt Ion:152 Resp: 69082
Ion Ratio Lower Upper
152 100
150 154.8 127.4 191.0
115 61.7 47.9 71.9



#2
1,4-Dioxane
Concen: 3.266 ng
RT: 3.322 min Scan# 23
Delta R.T. -0.000 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

Tgt Ion: 88 Resp: 6662
Ion Ratio Lower Upper
88 100
58 74.2 62.6 93.8
43 61.9 26.5 39.7

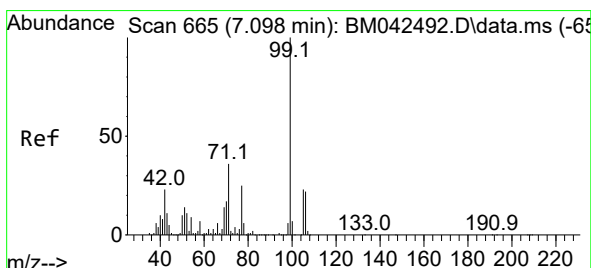
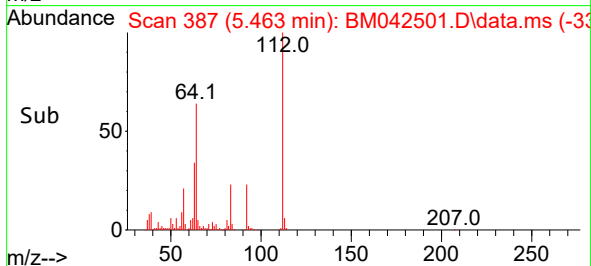
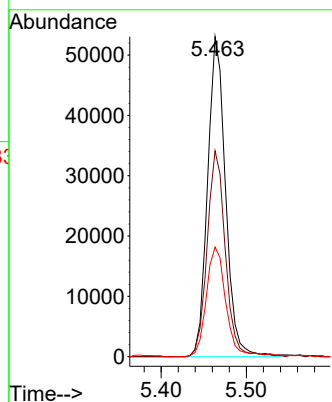
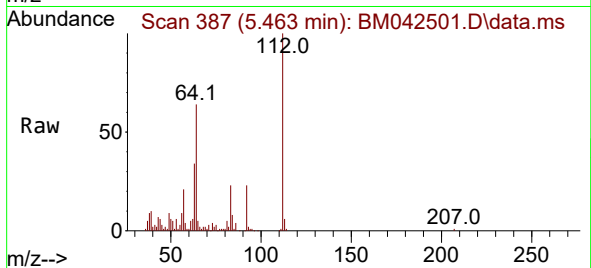




#5
2-Fluorophenol
Concen: 18.145 ng
RT: 5.463 min Scan# 387
Delta R.T. -0.000 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

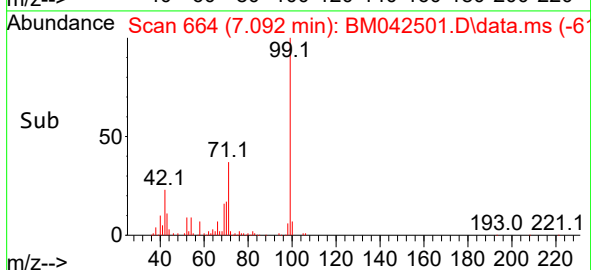
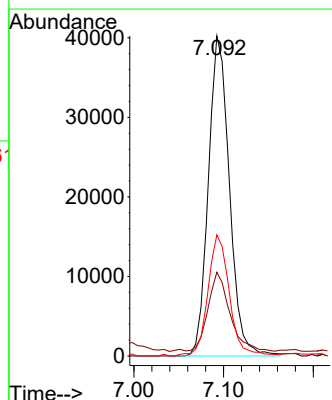
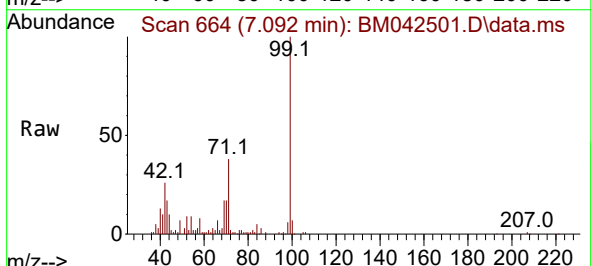
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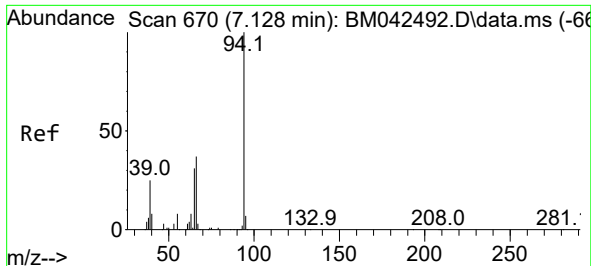
Tgt Ion:	112	Resp:	77668
Ion Ratio	Lower	Upper	
112	100		
64	64.4	52.1	78.1
63	34.3	28.3	42.5



#7
Phenol-d6
Concen: 11.184 ng
RT: 7.092 min Scan# 664
Delta R.T. -0.006 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

Tgt Ion:	99	Resp:	65656
Ion Ratio	Lower	Upper	
99	100		
42	26.2	18.7	28.1
71	37.8	29.1	43.7

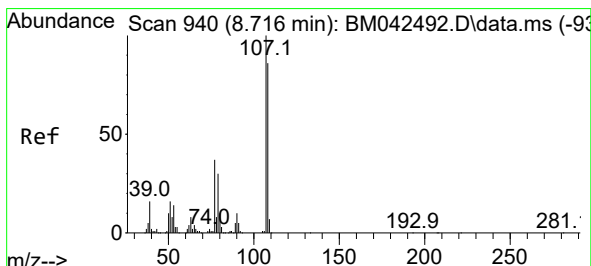
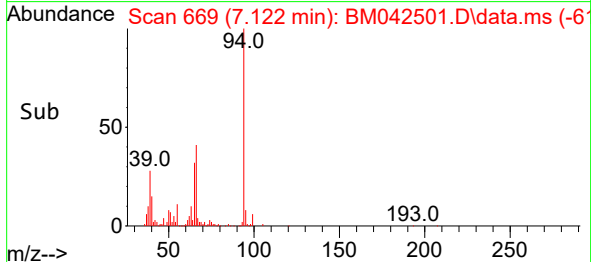
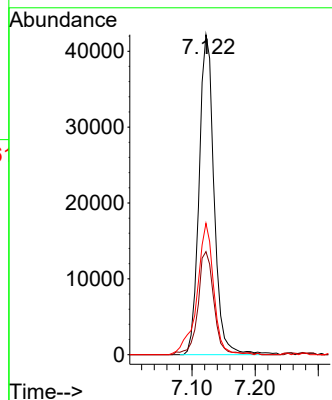
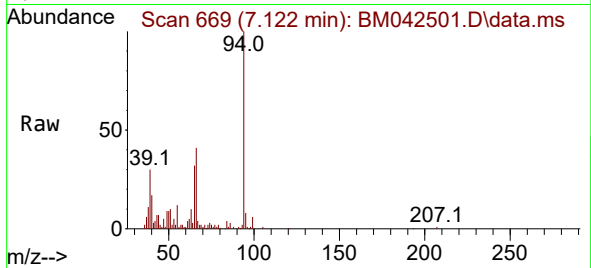




#10
Phenol
Concen: 11.664 ng
RT: 7.122 min Scan# 669
Delta R.T. -0.006 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

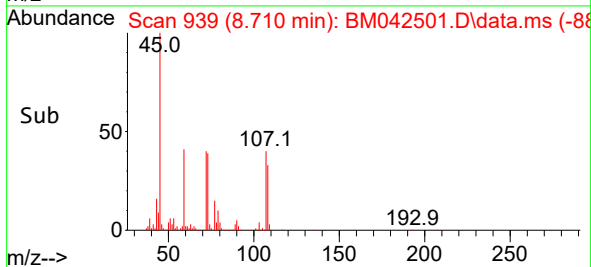
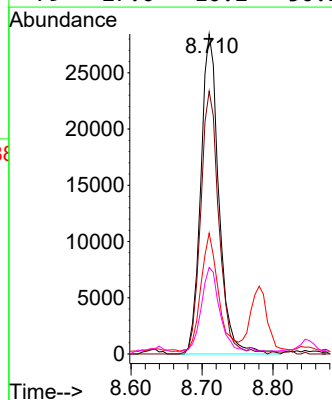
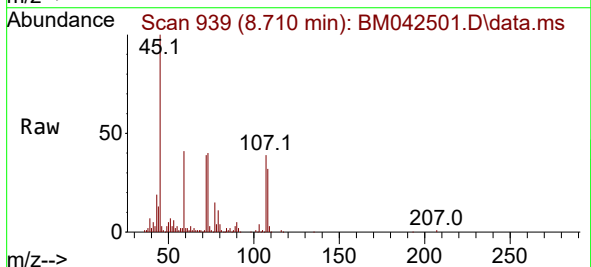
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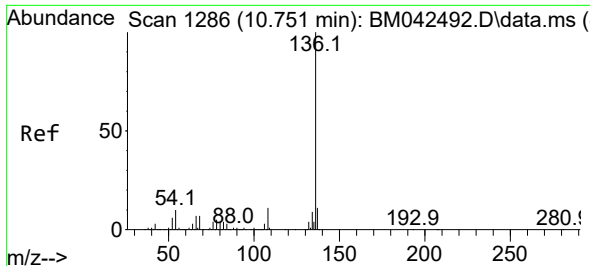
Tgt Ion: 94 Resp: 69540
Ion Ratio Lower Upper
94 100
65 32.2 11.5 51.5
66 41.1 20.0 60.0



#20
3+4-Methylphenols
Concen: 8.949 ng
RT: 8.710 min Scan# 939
Delta R.T. -0.006 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

Tgt Ion: 107 Resp: 50509
Ion Ratio Lower Upper
107 100
108 82.1 66.4 106.4
77 37.8 17.6 57.6
79 27.0 10.2 50.2

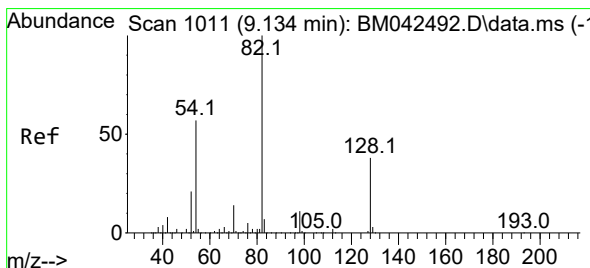
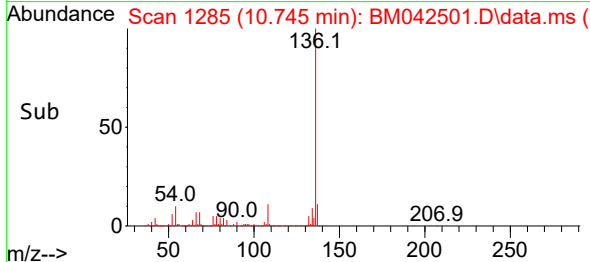
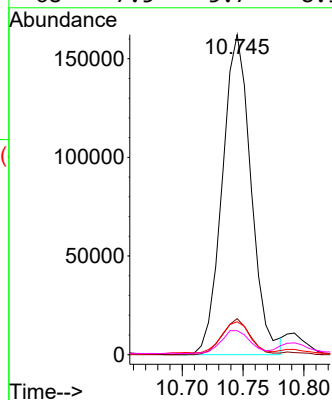
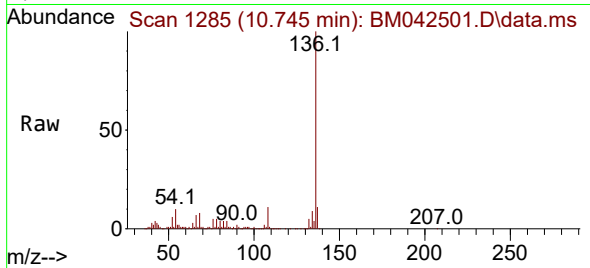




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

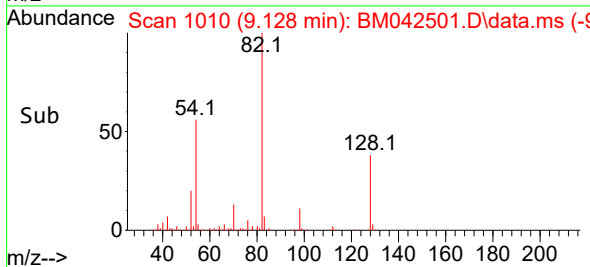
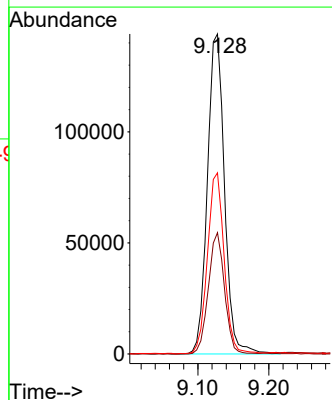
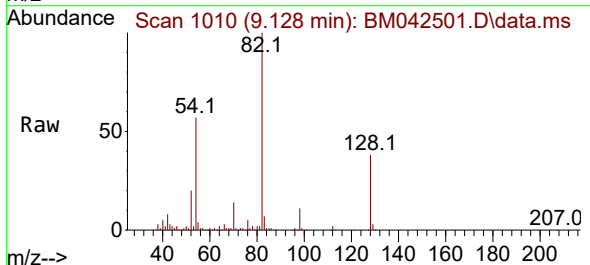
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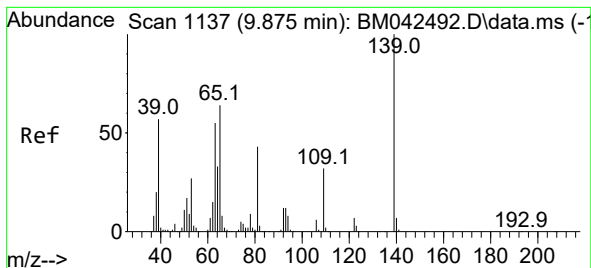
Tgt Ion:	136	Resp:	266388
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.6
54	10.3	8.0	12.0
68	7.5	5.7	8.5



#23
Nitrobenzene-d5
Concen: 42.319 ng
RT: 9.128 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

Tgt Ion:	82	Resp:	241831
Ion Ratio	Lower	Upper	
82	100		
128	37.9	30.7	46.1
54	56.6	45.3	67.9

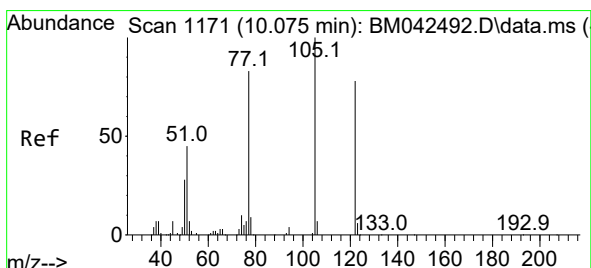
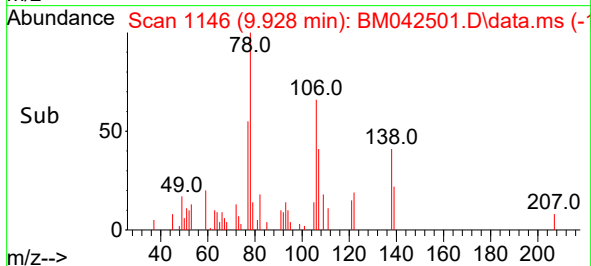
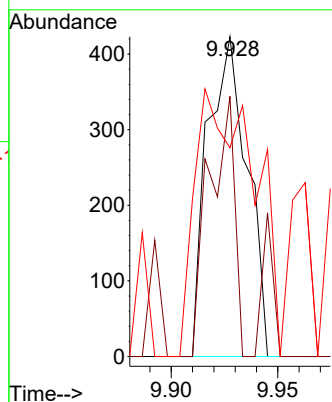
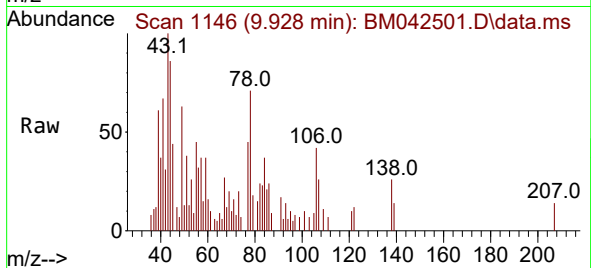




#26
2-Nitrophenol
Concen: 3.729 ng
RT: 9.928 min Scan# 1146
Delta R.T. 0.053 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

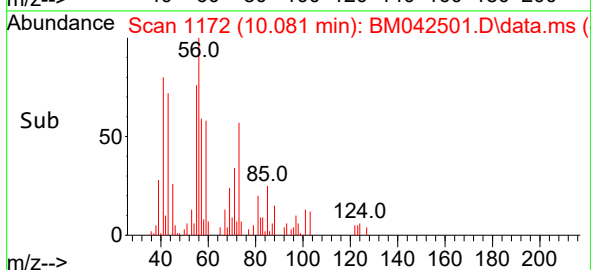
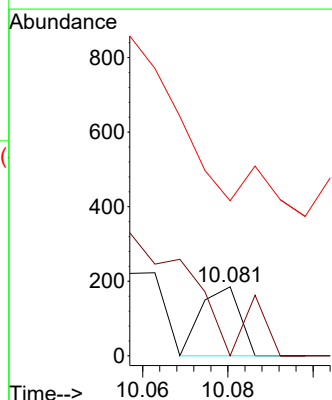
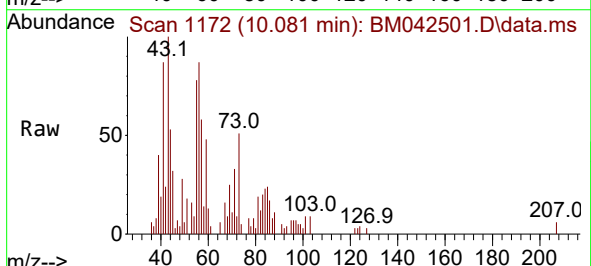
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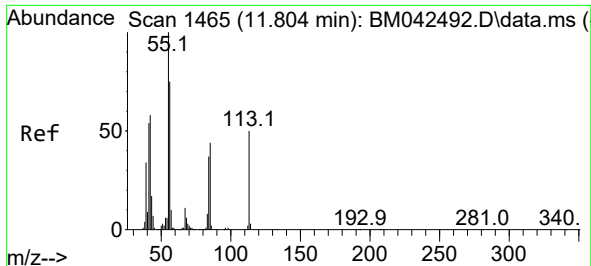
Tgt Ion:139 Resp: 546
Ion Ratio Lower Upper
139 100
109 81.3 25.2 37.8#
65 65.2 51.4 77.0



#32
Benzoic acid
Concen: 4.145 ng
RT: 10.081 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

Tgt Ion:122 Resp: 118
Ion Ratio Lower Upper
122 100
105 0.0 105.2 145.2#
77 224.9 84.8 124.8#

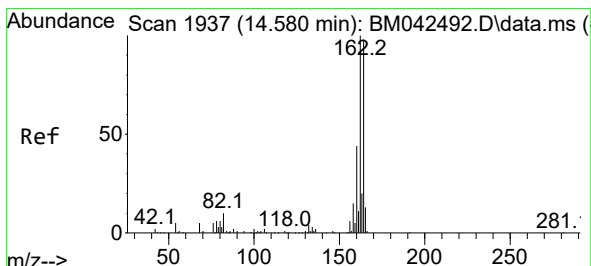
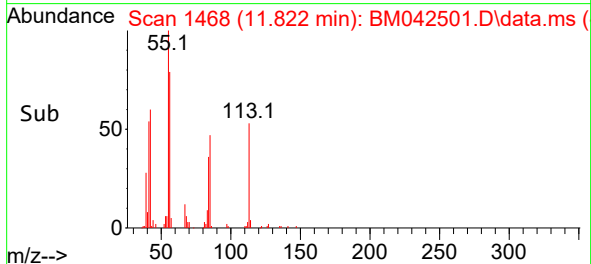
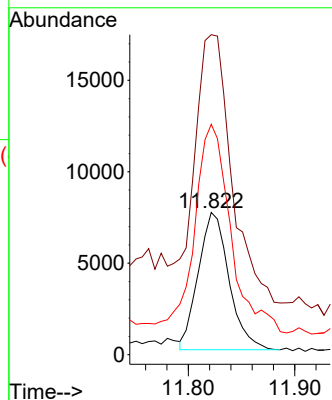
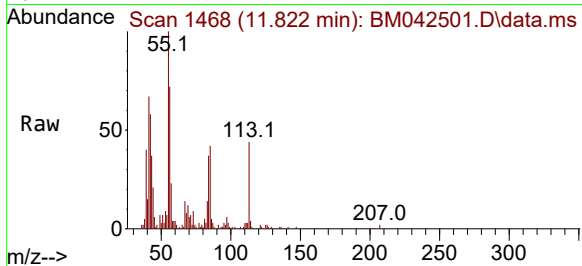




#35
Caprolactam
Concen: 11.190 ng
RT: 11.822 min Scan# 1468
Delta R.T. 0.018 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

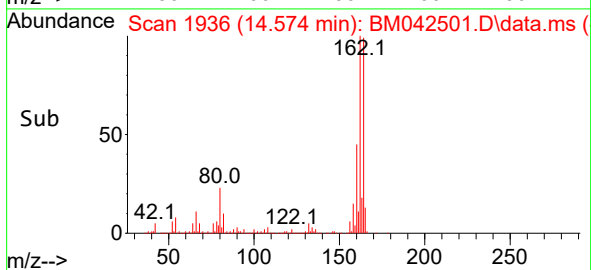
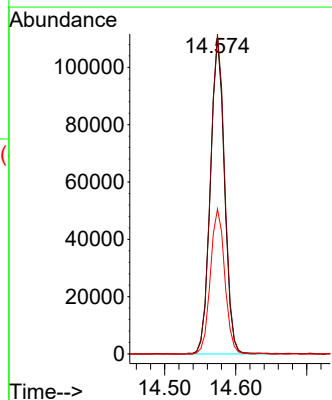
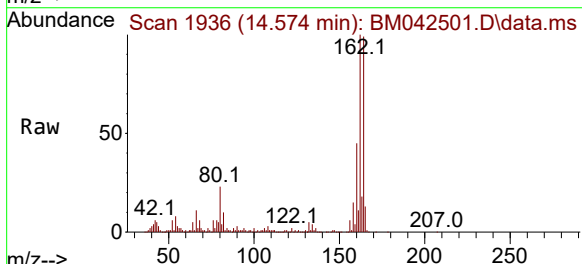
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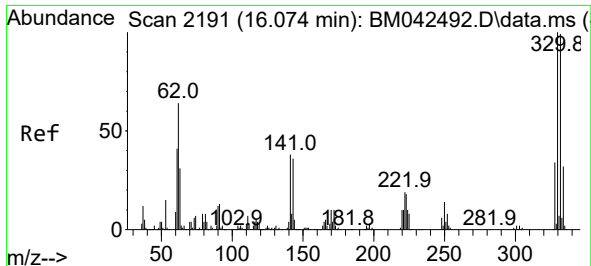
Tgt Ion:113 Resp: 15052
Ion Ratio Lower Upper
113 100
55 225.1 180.9 220.9#
56 162.1 130.0 170.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.574 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

Tgt Ion:164 Resp: 152563
Ion Ratio Lower Upper
164 100
162 101.2 81.6 122.4
160 45.9 36.2 54.4

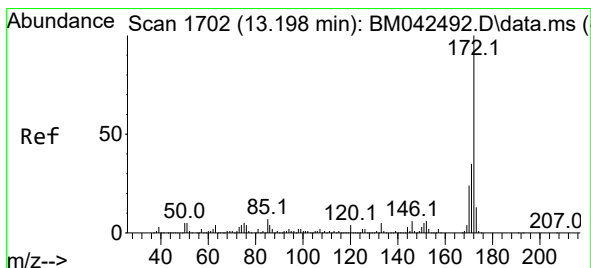
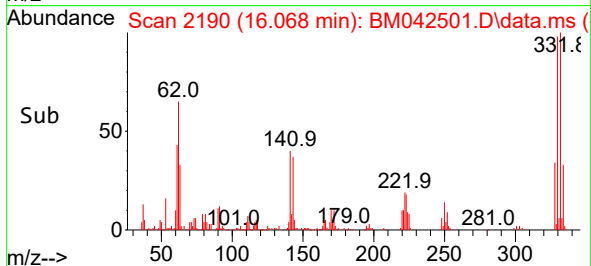
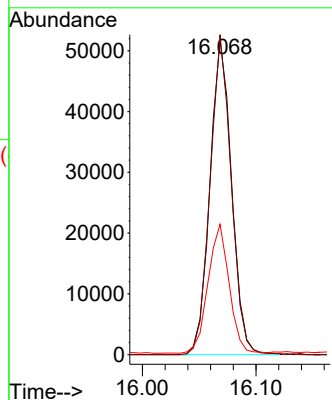
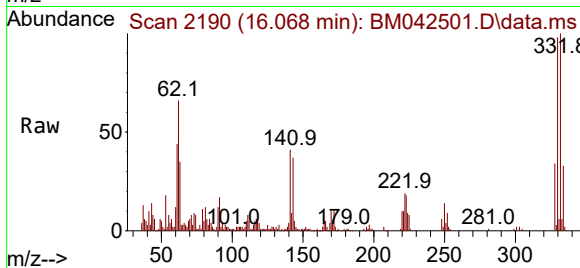




#42
2,4,6-Tribromophenol
Concen: 34.484 ng
RT: 16.068 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

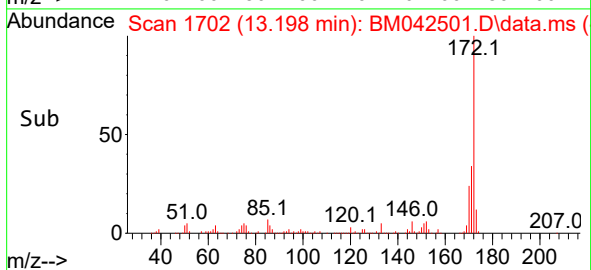
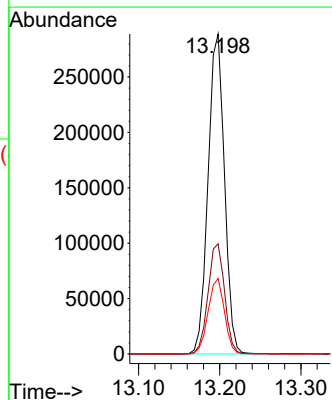
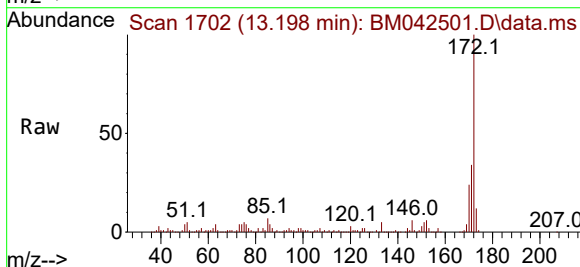
Instrument :
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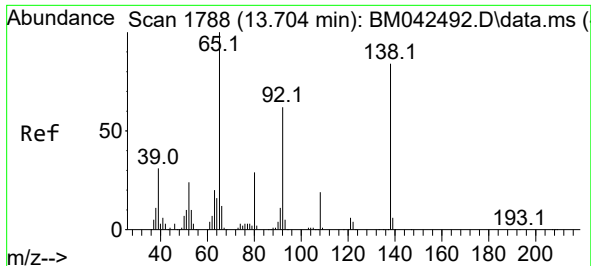
Tgt Ion:330 Resp: 68686
Ion Ratio Lower Upper
330 100
332 98.8 78.8 118.2
141 39.7 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 35.680 ng
RT: 13.198 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

Tgt Ion:172 Resp: 404540
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 23.6 19.0 28.4

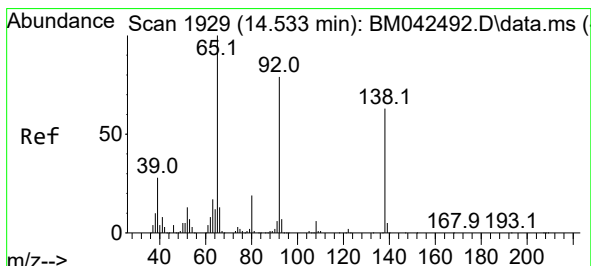
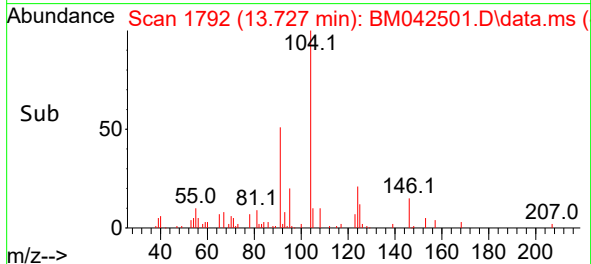
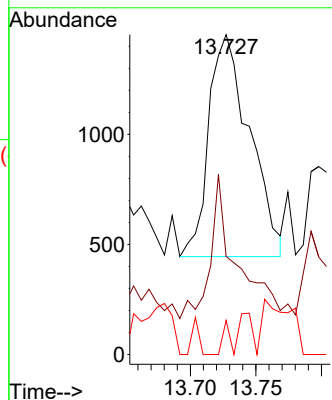
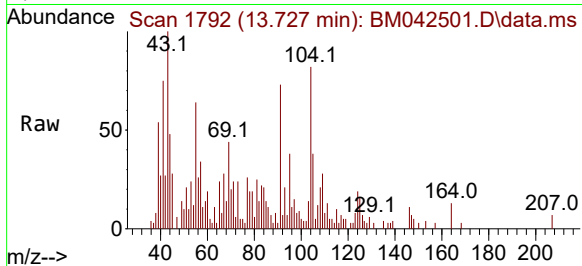




#48
2-Nitroaniline
Concen: 4.926 ng
RT: 13.727 min Scan# 11
Delta R.T. 0.023 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

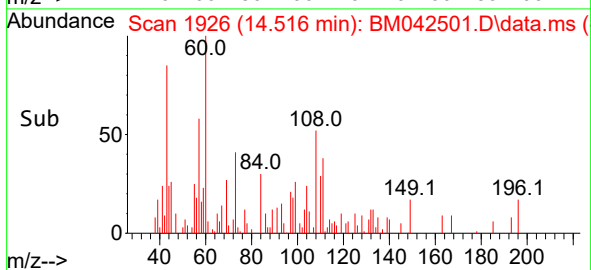
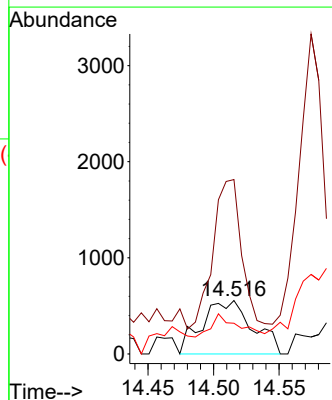
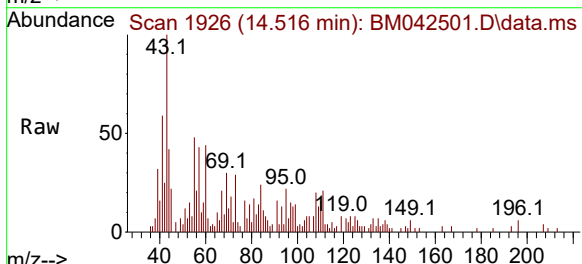
Instrument :
BNA_M
ClientSampleId :
LCOL-12RE

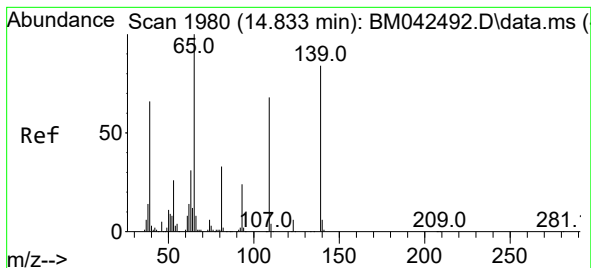
Tgt Ion: 65 Resp: 2185
Ion Ratio Lower Upper
65 100
92 30.7 49.4 74.2#
138 10.7 66.9 100.3#



#53
3-Nitroaniline
Concen: 4.865 ng
RT: 14.516 min Scan# 1926
Delta R.T. -0.017 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

Tgt Ion: 138 Resp: 1489
Ion Ratio Lower Upper
138 100
108 326.3 7.9 11.9#
92 57.6 100.7 151.1#

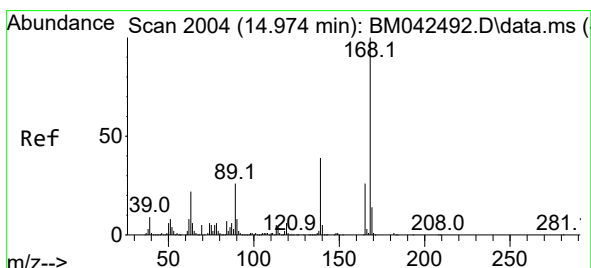
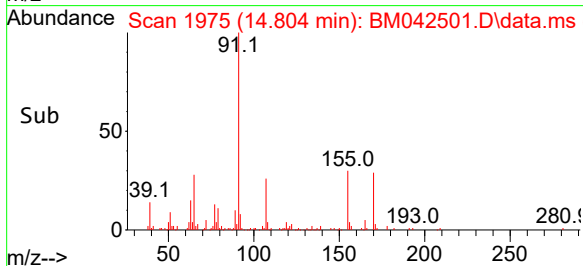
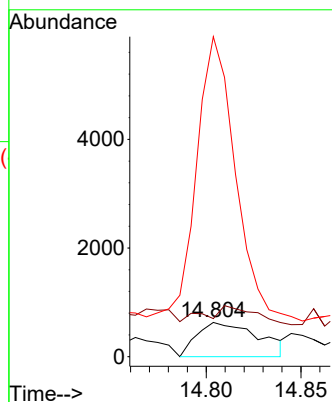
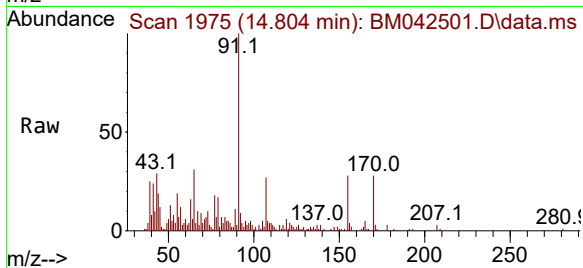




#56
4-Nitrophenol
Concen: 7.560 ng
RT: 14.804 min Scan# 1980
Delta R.T. -0.029 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

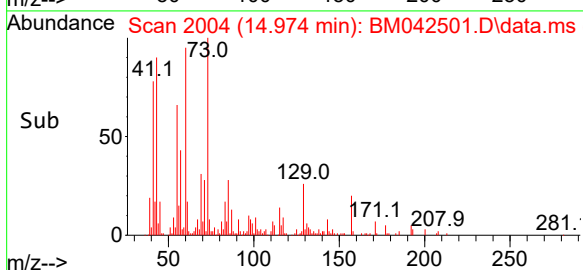
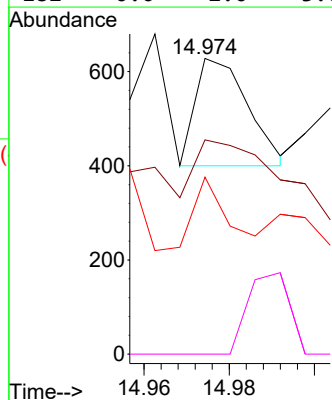
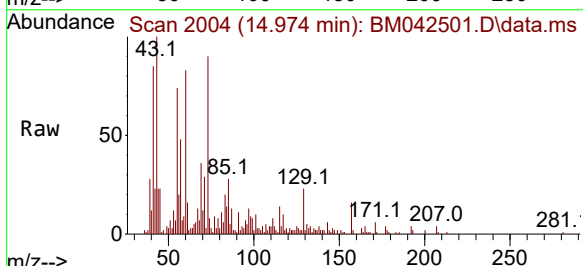
Instrument :
BNA_M
ClientSampleId :
LCOL-12RE

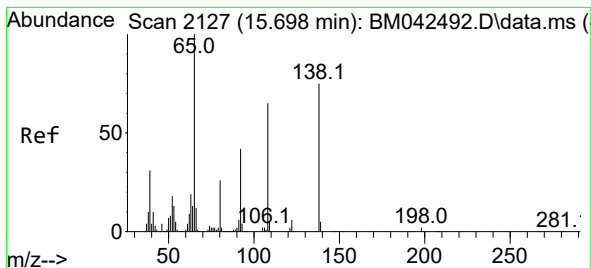
Tgt Ion:139 Resp: 1418
Ion Ratio Lower Upper
139 100
109 111.3 61.3 101.3#
65 934.9 100.2 140.2#



#57
2,4-Dinitrotoluene
Concen: 4.021 ng
RT: 14.974 min Scan# 2004
Delta R.T. 0.000 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

Tgt Ion:165 Resp: 195
Ion Ratio Lower Upper
165 100
63 72.5 66.7 100.1
89 59.9 80.2 120.4#
182 0.0 2.0 3.0#

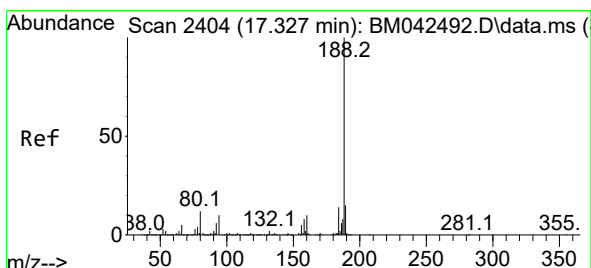
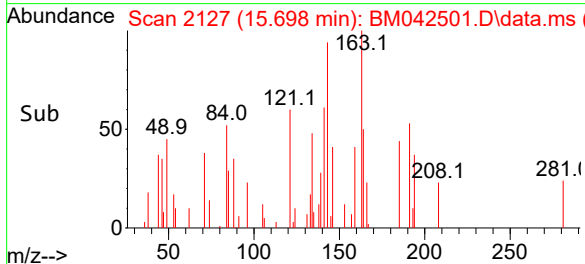
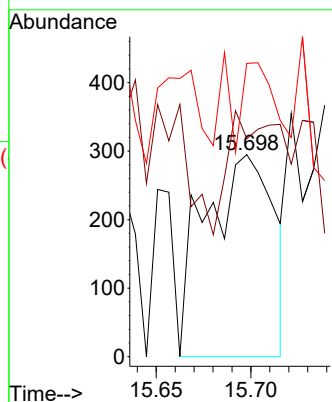
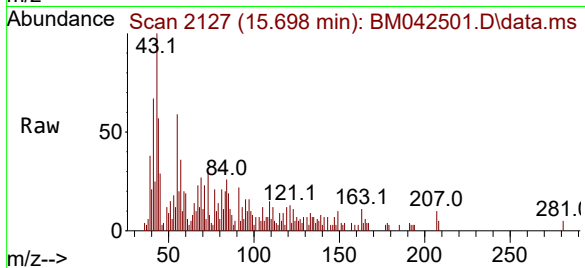




#62
4-Nitroaniline
Concen: 6.016 ng
RT: 15.698 min Scan# 2127
Delta R.T. -0.000 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

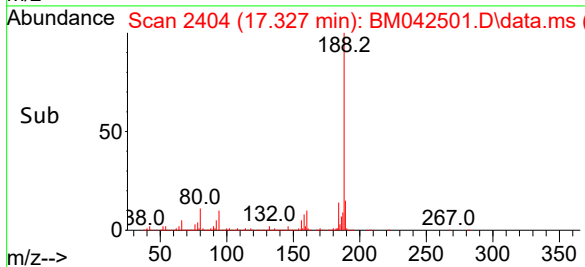
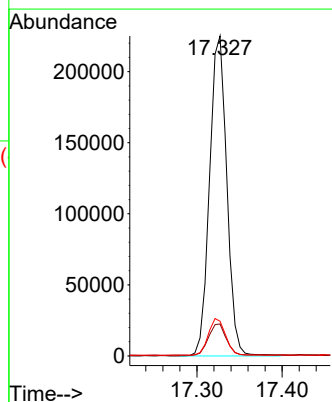
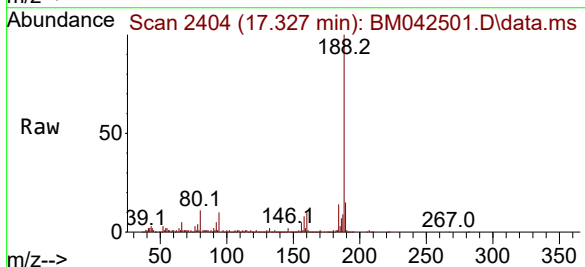
Instrument :
BNA_M
ClientSampleId :
LCOL-12RE

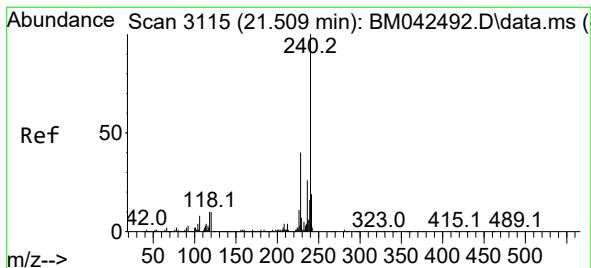
Tgt Ion:138 Resp: 741
Ion Ratio Lower Upper
138 100
92 107.8 37.0 77.0#
108 145.1 67.2 107.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.327 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

Tgt Ion:188 Resp: 317590
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.4
80 10.9 9.4 14.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.503 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BM042501.D

Acq: 30 Oct 2023 19:31

Instrument :

BNA_M

ClientSampleId :

LCOL-12RE

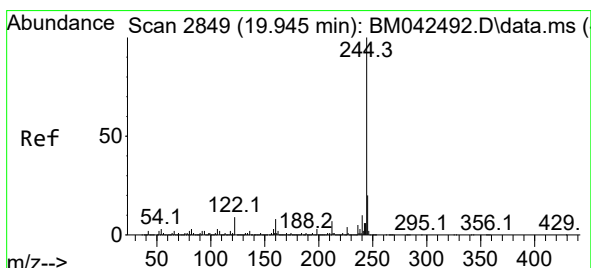
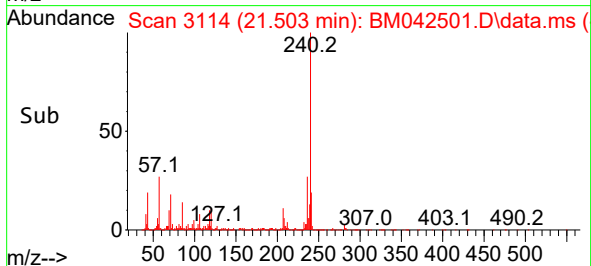
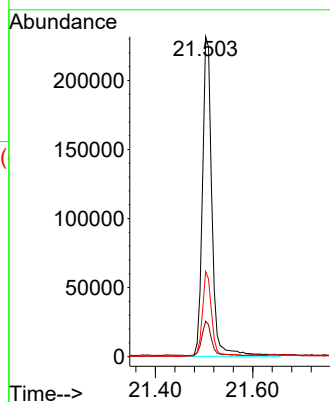
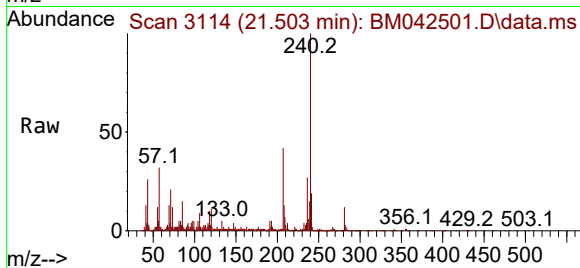
Tgt Ion:240 Resp: 316482

Ion Ratio Lower Upper

240 100

120 11.1 8.3 12.5

236 26.6 20.8 31.2



#79

Terphenyl-d14

Concen: 25.287 ng

RT: 19.939 min Scan# 2848

Delta R.T. -0.006 min

Lab File: BM042501.D

Acq: 30 Oct 2023 19:31

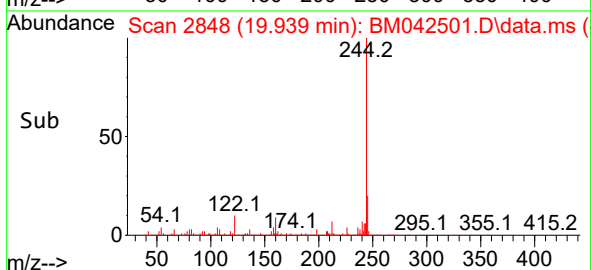
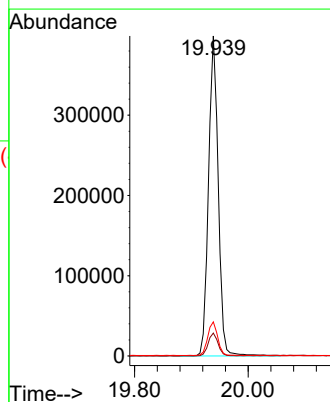
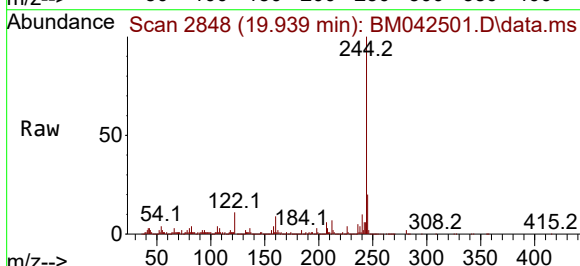
Tgt Ion:244 Resp: 471985

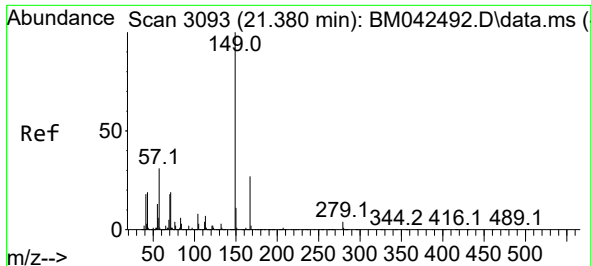
Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 10.7 7.2 10.8

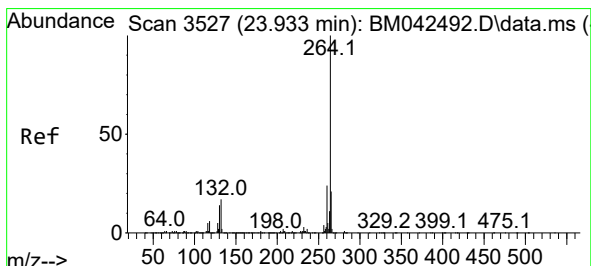
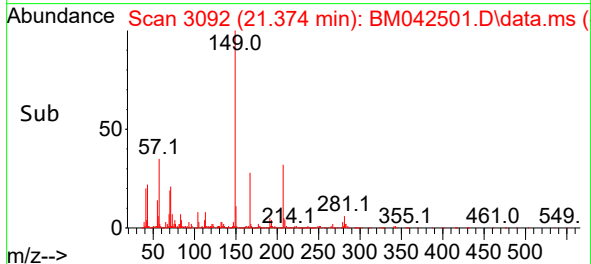
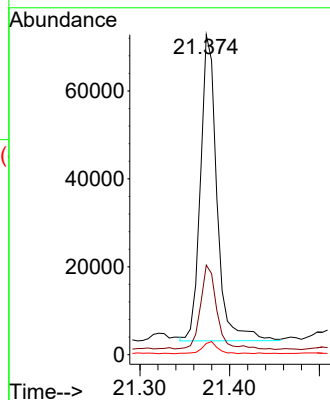
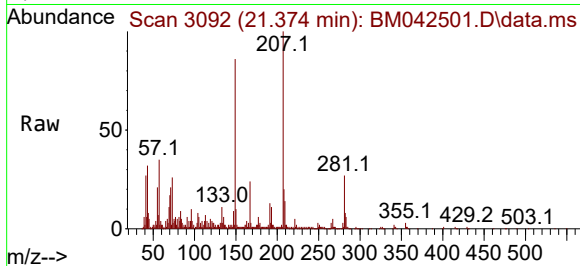




#84
Bis(2-ethylhexyl)phthalate
Concen: 6.343 ng
RT: 21.374 min Scan# 3092
Delta R.T. -0.006 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

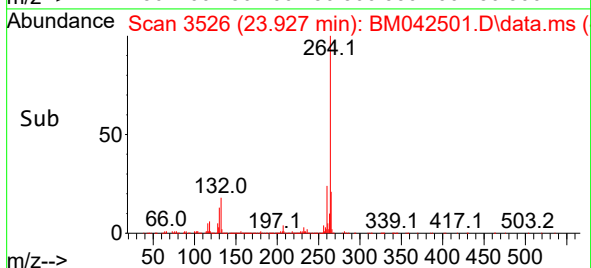
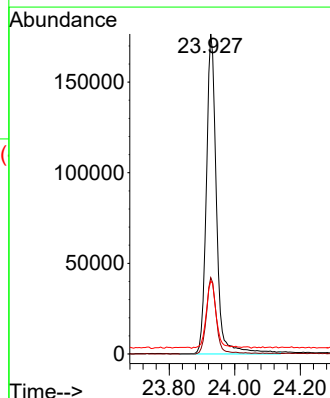
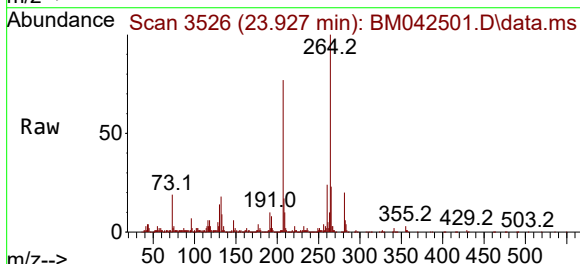
Instrument :
BNA_M
ClientSampleId :
LCOL-12RE

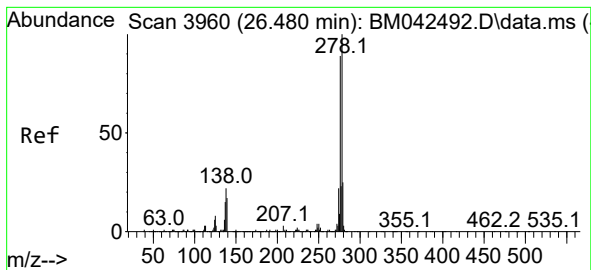
Tgt Ion:149 Resp: 88979
Ion Ratio Lower Upper
149 100
167 28.0 21.4 32.0
279 3.5 3.4 5.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.927 min Scan# 3526
Delta R.T. -0.006 min
Lab File: BM042501.D
Acq: 30 Oct 2023 19:31

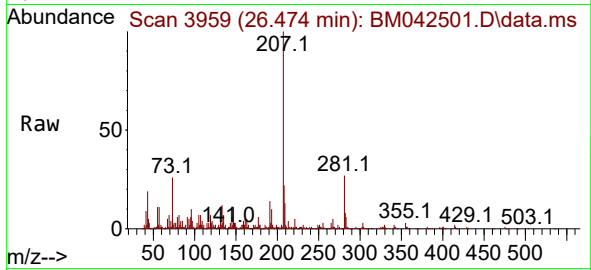
Tgt Ion:264 Resp: 380683
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.4
265 22.7 18.7 28.1





#91
 Dibenzo(a,h)anthracene
 Concen: 4.150 ng
 RT: 26.474 min Scan# 3959
 Delta R.T. -0.006 min
 Lab File: BM042501.D
 Acq: 30 Oct 2023 19:31

Instrument :
 BNA_M
 ClientSampleId :
 LCOL-12RE



Tgt Ion:	278	Resp:	283
Ion	Ratio	Lower	Upper
278	100		
139	214.4	13.4	20.2#
279	134.2	19.7	29.5#

