

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112621\
 Data File : BM033275.D
 Acq On : 26 Nov 2021 21:16
 Operator : CG/JU
 Sample : M4809-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 75-78

Quant Time: Nov 26 23:25:18 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM112421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 24 15:16:33 2021
 Response via : Initial Calibration

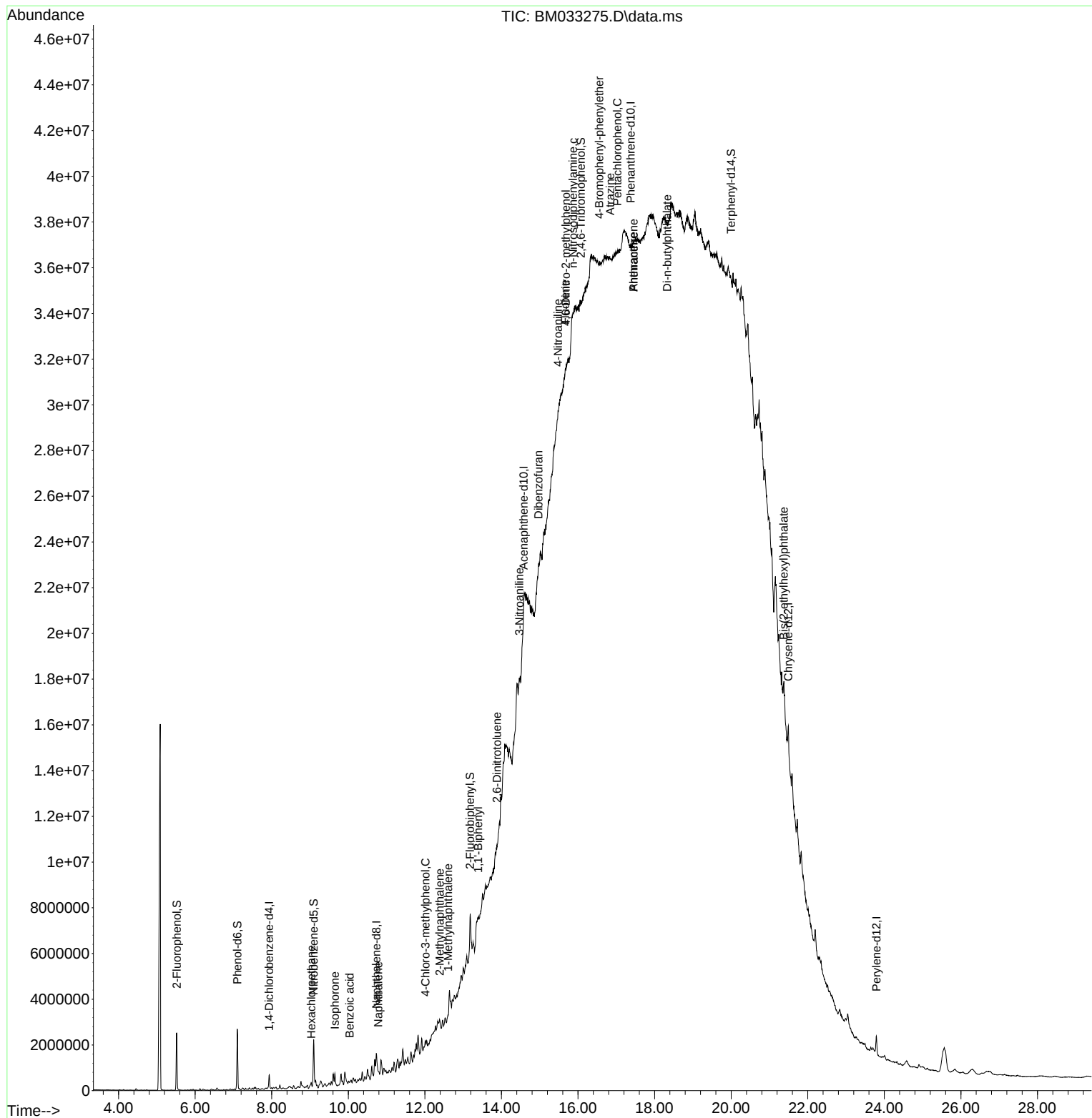
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	165944	20.000	ng	0.00
21) Naphthalene-d8	10.730	136	625235	20.000	ng	# 0.00
39) Acenaphthene-d10	14.577	164	312690	20.000	ng	# 0.02
64) Phenanthrene-d10	17.377	188	83483	20.000	ng	# 0.08
76) Chrysene-d12	21.494	240	491895	20.000	ng	# 0.04
86) Perylene-d12	23.794	264	550935	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.519	112	1029780	102.478	ng	0.01
7) Phenol-d6	7.101	99	1420077	105.517	ng	0.00
23) Nitrobenzene-d5	9.095	82	1208563	89.735	ng	0.00
42) 2,4,6-Tribromophenol	16.077	330	218400	64.073	ng	0.04
45) 2-Fluorobiphenyl	13.183	172	2270018	102.383	ng	0.00
79) Terphenyl-d14	19.995	244	1335292	53.678	ng	0.09
Target Compounds						
9) Benzaldehyde	7.101	77	5022	Below Cal	#	30
18) Hexachloroethane	9.036	117	10038	2.198	ng	# 1
25) Isophorone	9.648	82	53062	2.519	ng	# 1
31) Naphthalene	10.783	128	83086	2.519	ng	# 91
32) Benzoic acid	10.036	122	2164	5.577	ng	# 1
36) 4-Chloro-3-methylphenol	12.019	107	32420	3.046	ng	# 23
37) 2-Methylnaphthalene	12.389	142	261300	11.637	ng	97
38) 1-Methylnaphthalene	12.607	142	118945	5.430	ng	# 92
46) 1,1'-Biphenyl	13.395	154	243634	10.363	ng	73
51) 2,6-Dinitrotoluene	13.883	165	46810	10.521	ng	# 19
53) 3-Nitroaniline	14.471	138	20607	4.347	ng	# 34
55) Dibenzofuran	14.971	168	75921	2.648	ng	# 1
58) Fluorene	15.665	166	107846	4.804	ng	# 1
62) 4-Nitroaniline	15.477	138	49271	10.022	ng	89
65) 4,6-Dinitro-2-methylph...	15.683	198	19021	43.989	ng	# 1
66) n-Nitrosodiphenylamine	15.871	169	91041	37.172	ng	# 68
67) 4-Bromophenyl-phenylether	16.554	248	5536	6.344	ng	# 1
69) Atrazine	16.842	200	3250	6.352	ng	# 1
70) Pentachlorophenol	17.030	266	5104	9.043	ng	# 1
71) Phenanthrene	17.454	178	84713	18.461	ng	# 1
72) Anthracene	17.454	178	84713	19.136	ng	# 1
74) Di-n-butylphthalate	18.330	149	13487	2.948	ng	# 32
84) Bis(2-ethylhexyl)phtha...	21.371	149	257486	15.097	ng	# 79

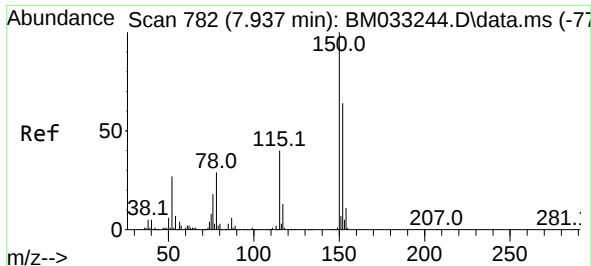
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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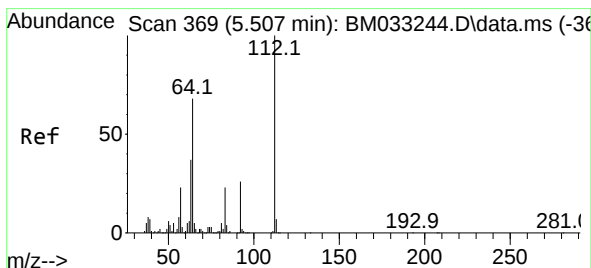
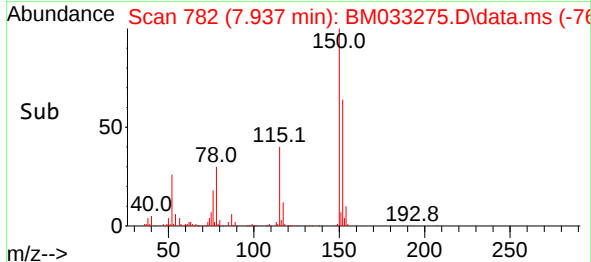
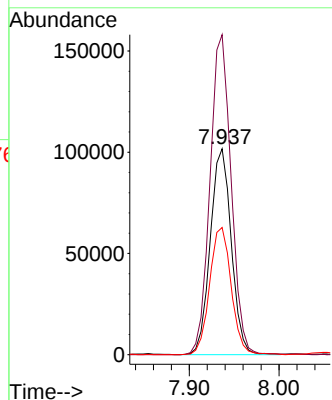
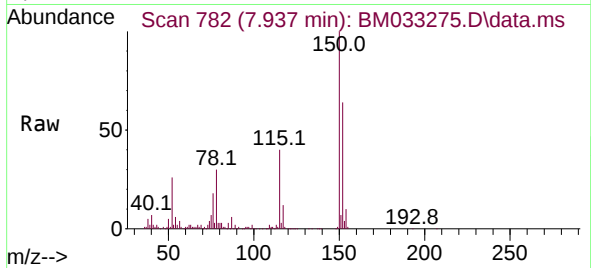




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

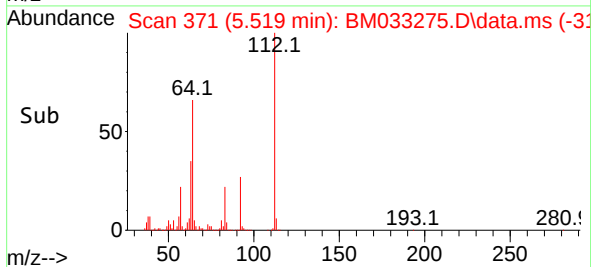
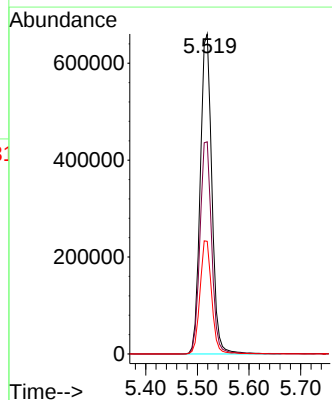
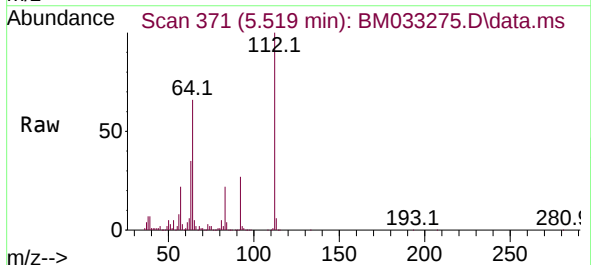
Instrument :
BNA_M
ClientSampleId :
75-78

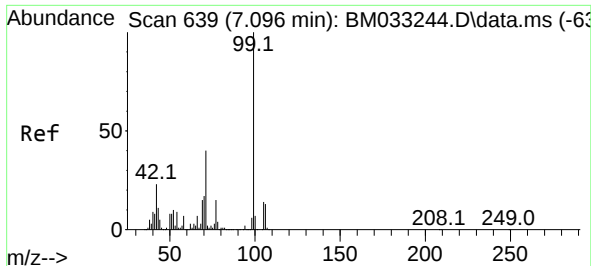
Tgt Ion:152 Resp: 165944
Ion Ratio Lower Upper
152 100
150 155.4 122.4 183.6
115 61.8 53.8 80.8



#5
2-Fluorophenol
Concen: 102.478 ng
RT: 5.519 min Scan# 371
Delta R.T. 0.012 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

Tgt Ion:112 Resp: 1029780
Ion Ratio Lower Upper
112 100
64 66.3 53.7 80.5
63 35.2 33.9 50.9

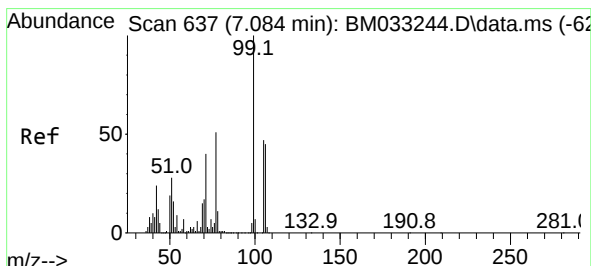
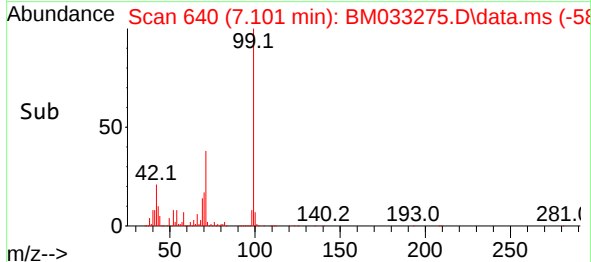
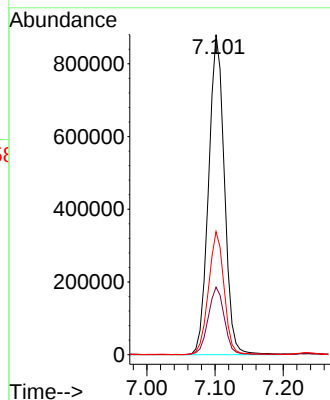
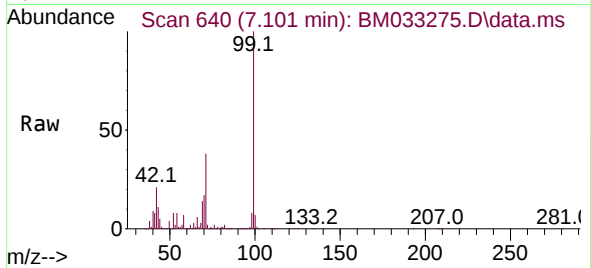




#7
Phenol-d6
Concen: 105.517 ng
RT: 7.101 min Scan# 640
Delta R.T. 0.006 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

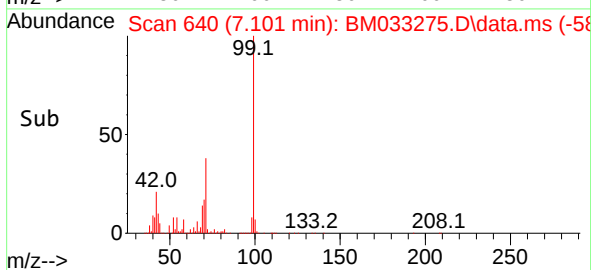
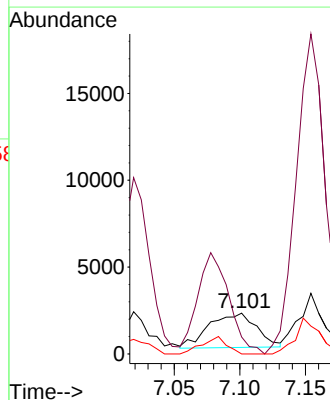
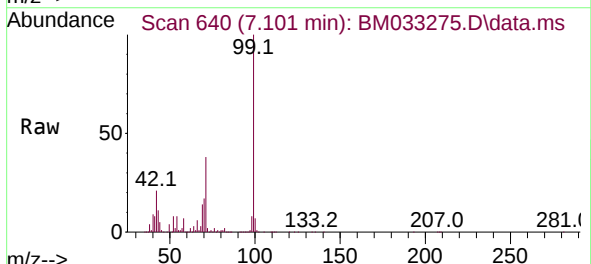
Instrument :
BNA_M
ClientSampleId :
75-78

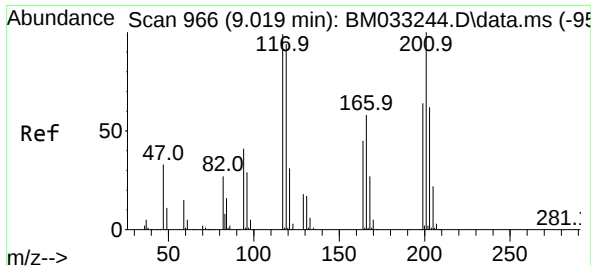
Tgt Ion: 99 Resp: 1420077
Ion Ratio Lower Upper
99 100
42 21.1 23.0 34.6#
71 38.5 37.8 56.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.101 min Scan# 640
Delta R.T. 0.017 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

Tgt Ion: 77 Resp: 5022
Ion Ratio Lower Upper
77 100
105 41.4 68.9 108.9#
106 0.0 61.2 101.2#

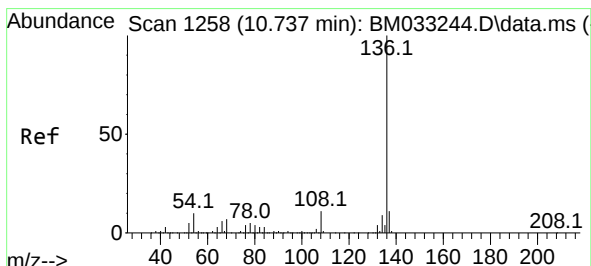
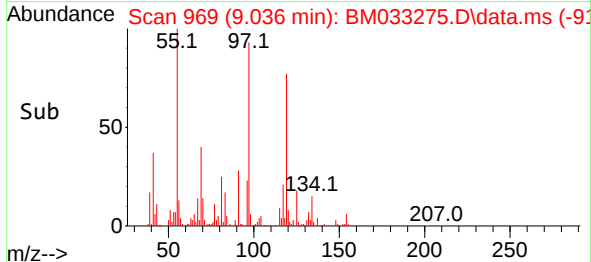
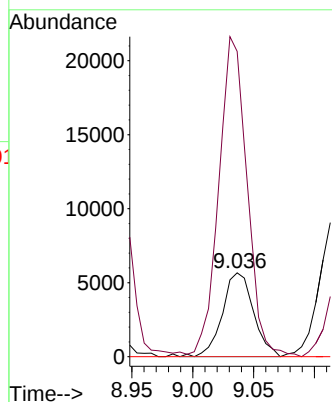
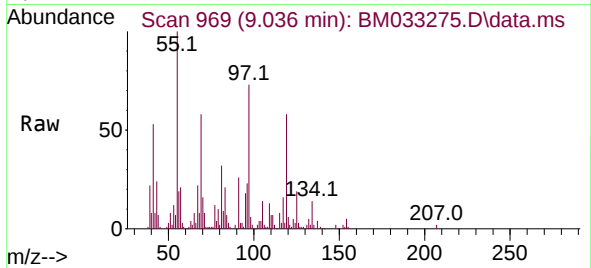




#18
Hexachloroethane
Concen: 2.198 ng
RT: 9.036 min Scan# 90
Delta R.T. 0.017 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

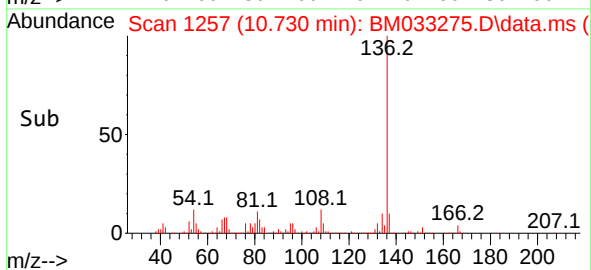
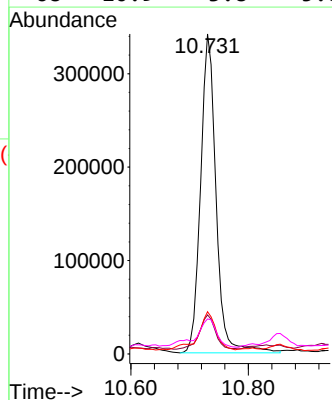
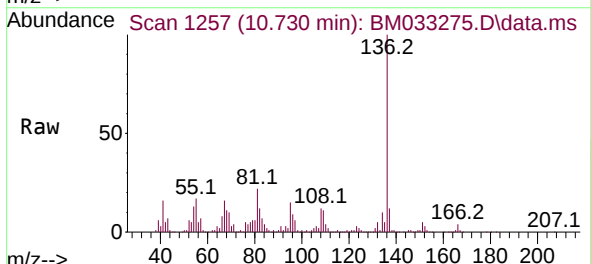
Instrument :
BNA_M
ClientSampleId :
75-78

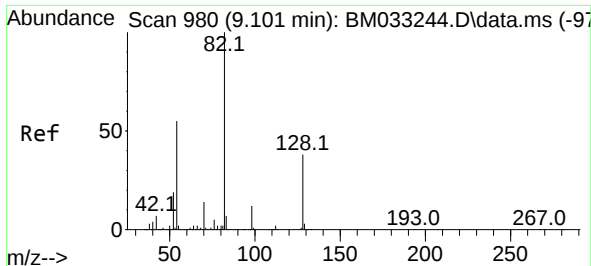
Tgt Ion:117 Resp: 10038
Ion Ratio Lower Upper
117 100
119 363.9 77.7 116.5#
201 0.0 70.2 105.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.730 min Scan# 1257
Delta R.T. -0.007 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

Tgt Ion:136 Resp: 625235
Ion Ratio Lower Upper
136 100
137 12.2 8.7 13.1
54 13.2 7.4 11.0#
68 10.9 3.8 5.8#





#23

Nitrobenzene-d5

Concen: 89.735 ng

RT: 9.095 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM033275.D

Acq: 26 Nov 2021 21:16

Instrument :

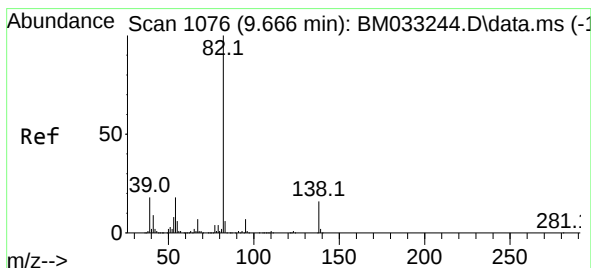
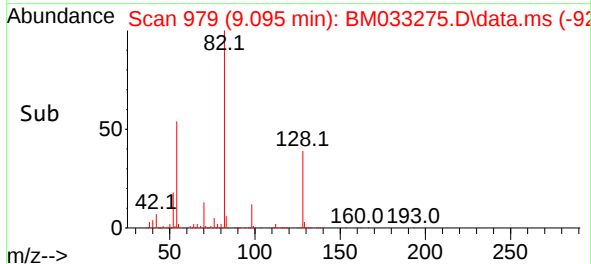
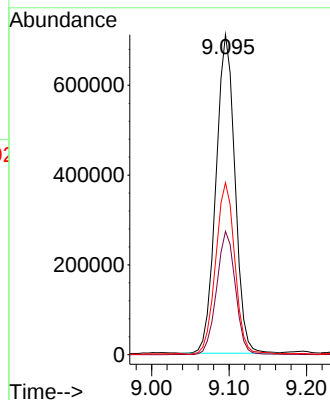
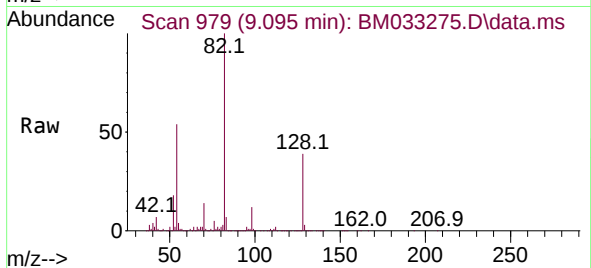
BNA_M

ClientSampleId :

75-78

Tgt Ion: 82 Resp: 1208563

Ion	Ratio	Lower	Upper
82	100		
128	38.6	29.0	43.6
54	53.7	45.8	68.8



#25

Isophorone

Concen: 2.519 ng

RT: 9.648 min Scan# 1073

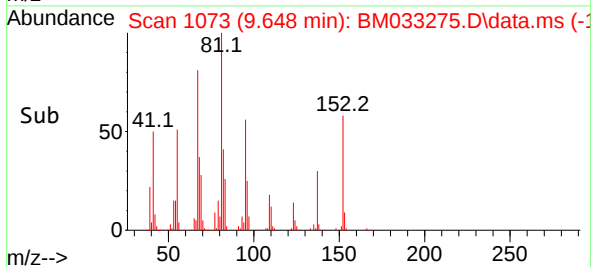
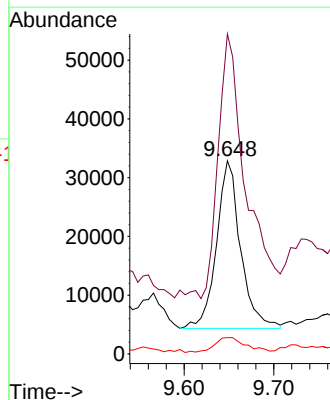
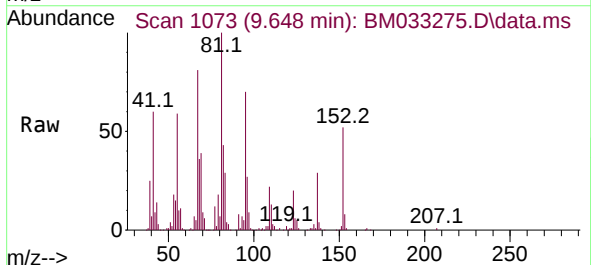
Delta R.T. -0.018 min

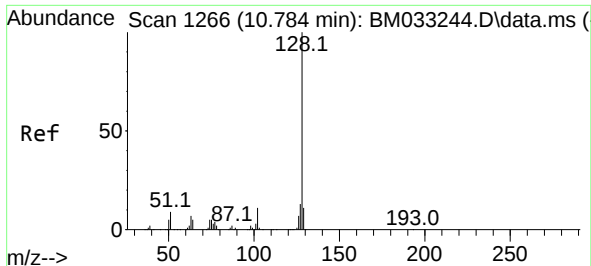
Lab File: BM033275.D

Acq: 26 Nov 2021 21:16

Tgt Ion: 82 Resp: 53062

Ion	Ratio	Lower	Upper
82	100		
95	165.7	6.4	9.6#
138	8.5	12.4	18.6#

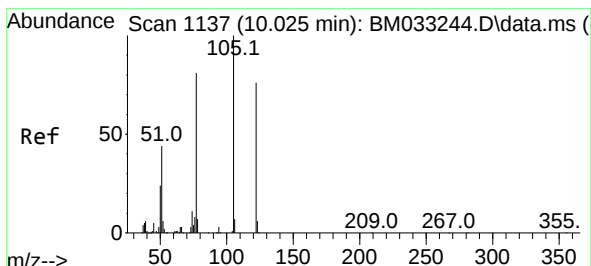
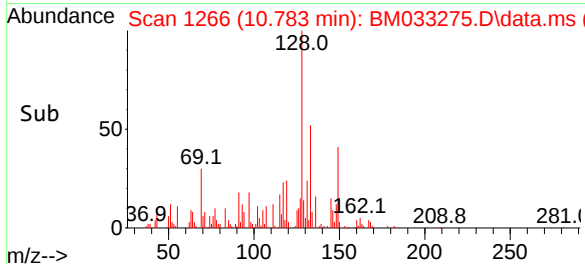
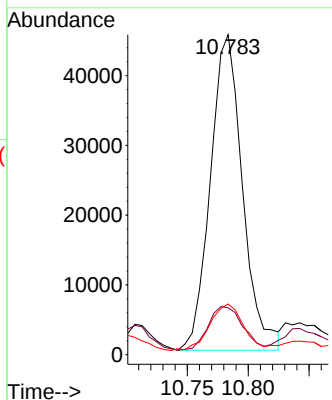
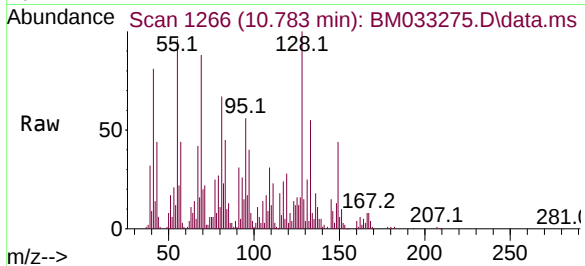




#31
Naphthalene
Concen: 2.519 ng
RT: 10.783 min Scan# 111
Delta R.T. -0.000 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

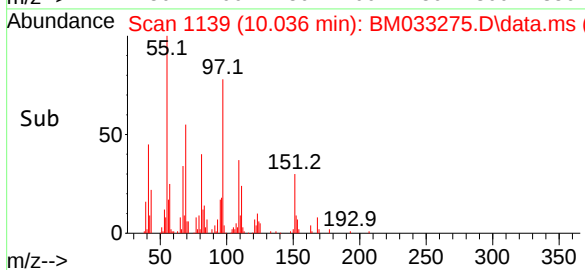
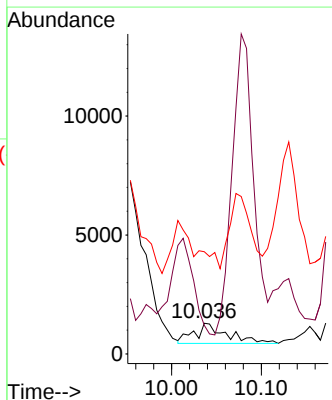
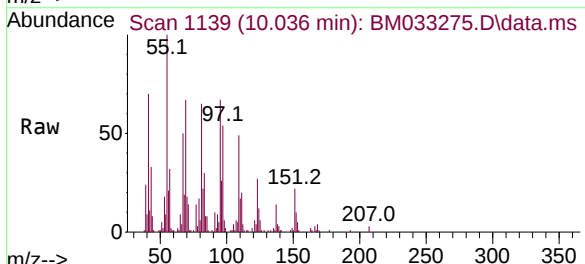
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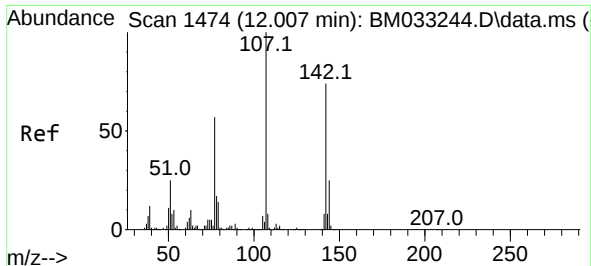
Tgt Ion:128 Resp: 83086
Ion Ratio Lower Upper
128 100
129 14.7 8.6 13.0#
127 15.9 10.4 15.6#



#32
Benzoic acid
Concen: 5.577 ng
RT: 10.036 min Scan# 1139
Delta R.T. 0.011 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

Tgt Ion:122 Resp: 2164
Ion Ratio Lower Upper
122 100
105 93.4 120.3 160.3#
77 333.3 100.0 140.0#

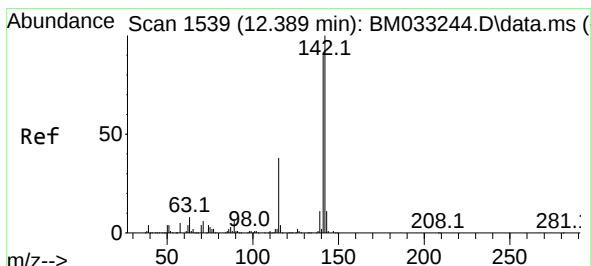
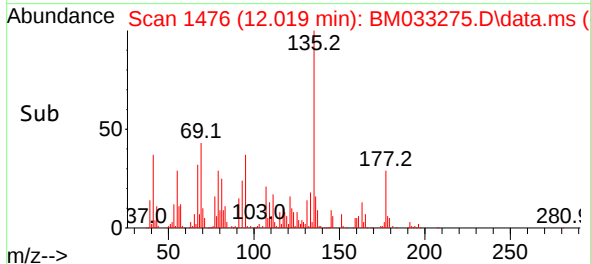
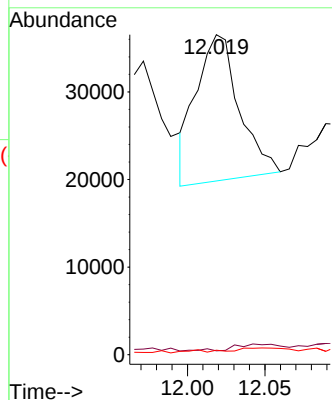
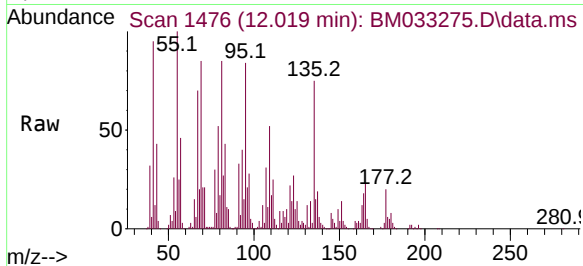




#36
4-Chloro-3-methylphenol
Concen: 3.046 ng
RT: 12.019 min Scan# 1474
Delta R.T. 0.012 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

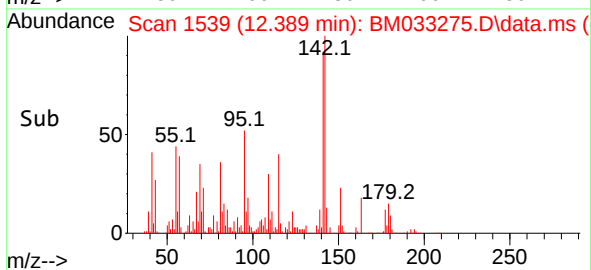
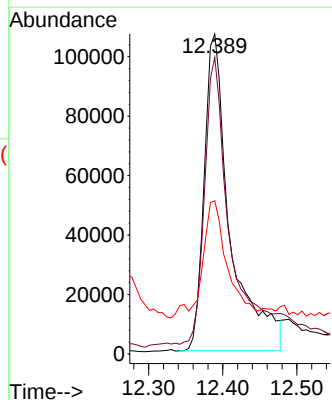
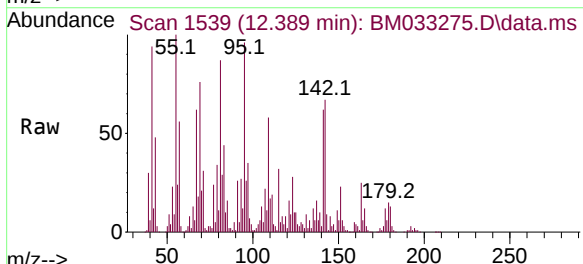
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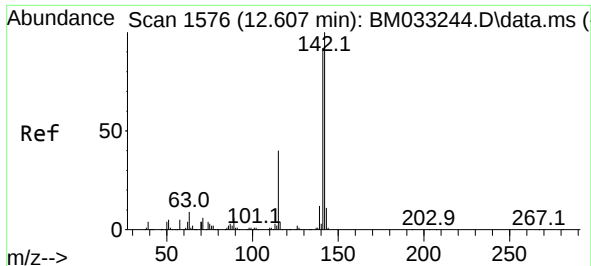
Tgt Ion:107 Resp: 32420
Ion Ratio Lower Upper
107 100
144 1.2 19.3 28.9#
142 1.4 60.5 90.7#



#37
2-Methylnaphthalene
Concen: 11.637 ng
RT: 12.389 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

Tgt Ion:142 Resp: 261300
Ion Ratio Lower Upper
142 100
141 92.7 71.8 107.6
115 47.9 36.3 54.5

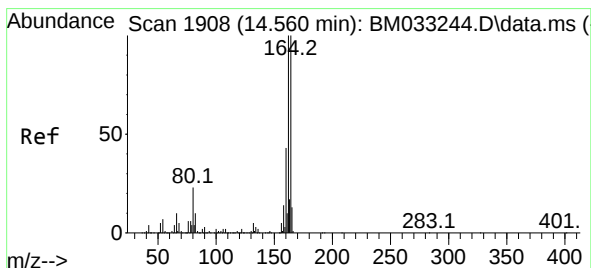
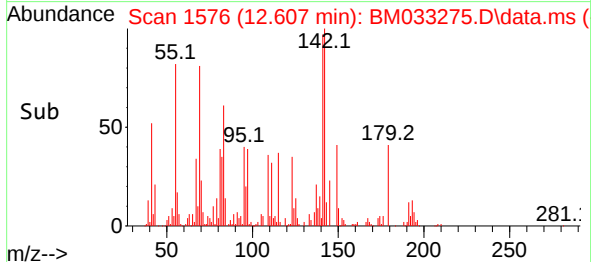
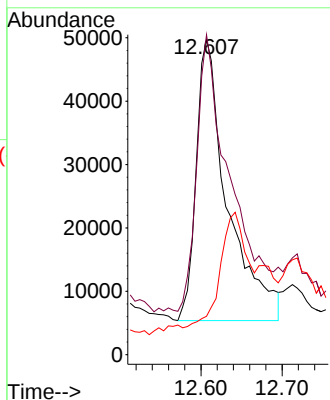
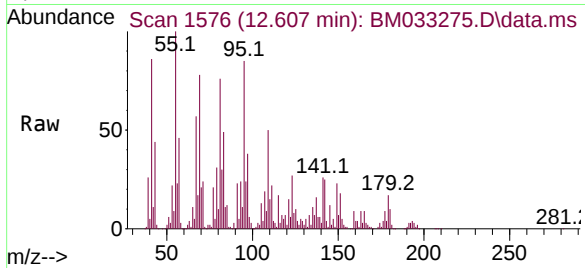




#38
1-Methylnaphthalene
Concen: 5.430 ng
RT: 12.607 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

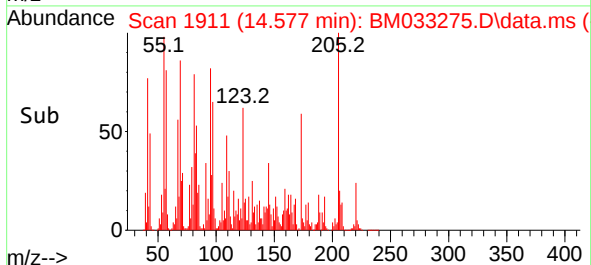
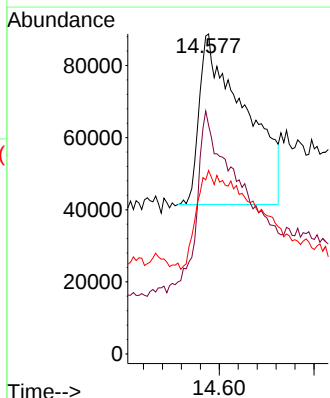
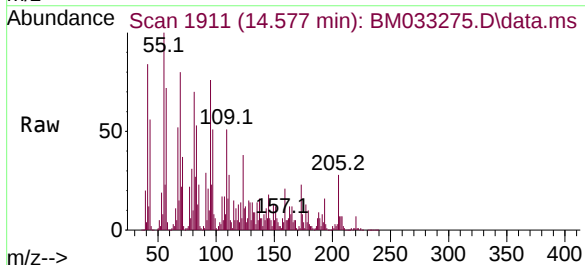
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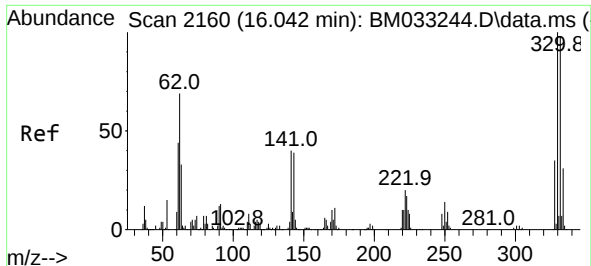
Tgt Ion:142 Resp: 118945
Ion Ratio Lower Upper
142 100
141 101.4 75.6 113.4
116 12.2 4.0 6.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1911
Delta R.T. 0.017 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

Tgt Ion:164 Resp: 312690
Ion Ratio Lower Upper
164 100
162 71.5 80.6 121.0#
160 57.3 35.1 52.7#

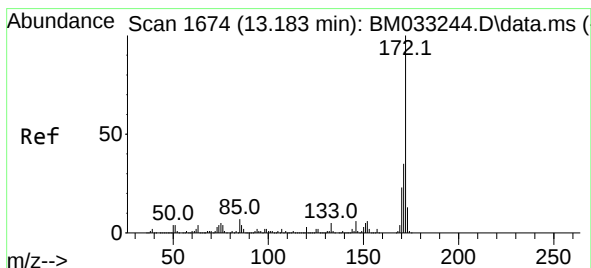
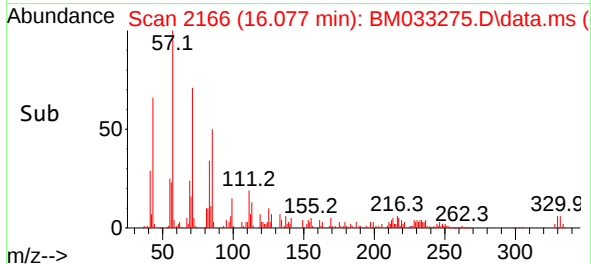
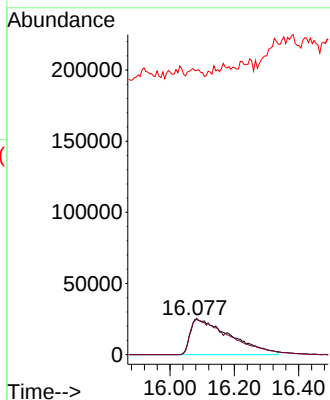
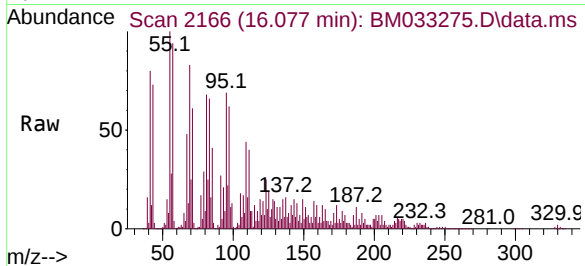




#42
2,4,6-Tribromophenol
Concen: 64.073 ng
RT: 16.077 min Scan# 2160
Delta R.T. 0.035 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

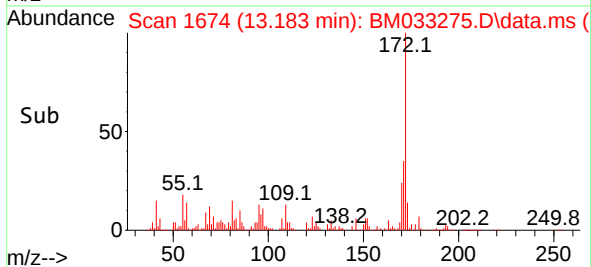
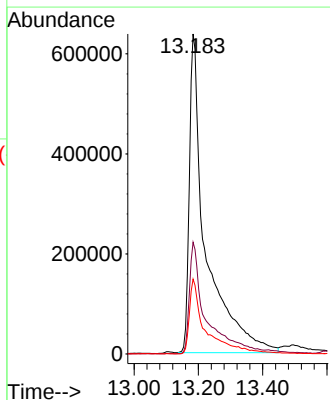
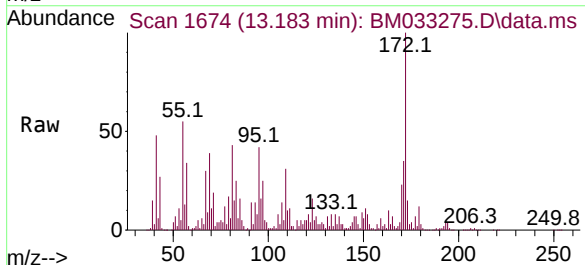
Instrument :
BNA_M
ClientSampleId :
75-78

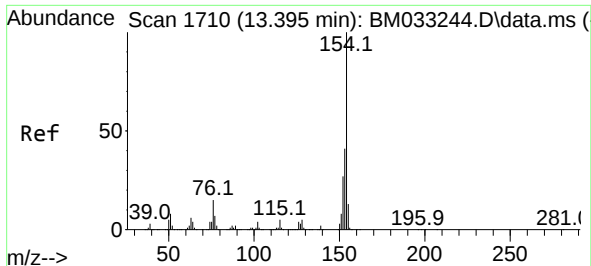
Tgt Ion:330 Resp: 218400
Ion Ratio Lower Upper
330 100
332 96.3 75.7 113.5
141 0.0 50.7 76.1#



#45
2-Fluorobiphenyl
Concen: 102.383 ng
RT: 13.183 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

Tgt Ion:172 Resp: 2270018
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.4 18.6 27.8

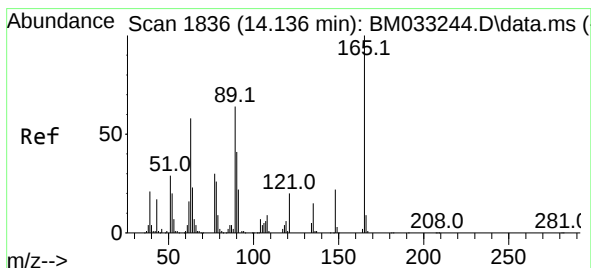
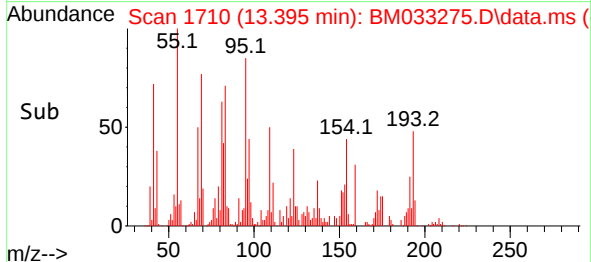
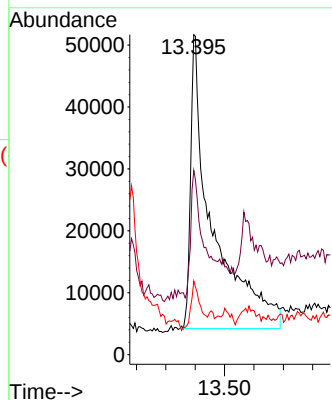
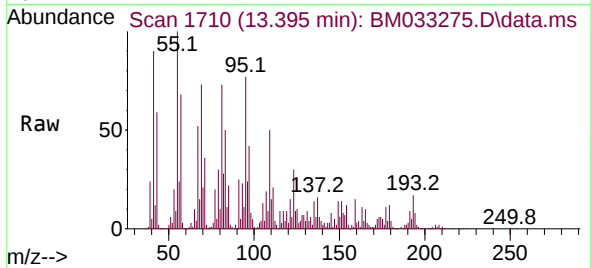




#46
1,1'-Biphenyl
Concen: 10.363 ng
RT: 13.395 min Scan# 1710
Delta R.T. -0.000 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

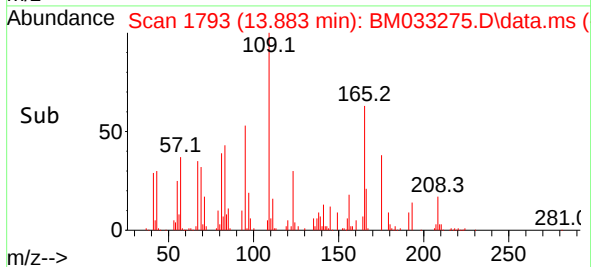
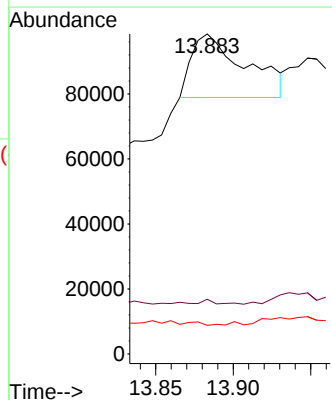
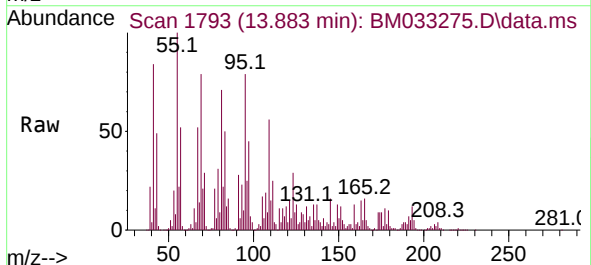
Instrument :
BNA_M
ClientSampleId :
75-78

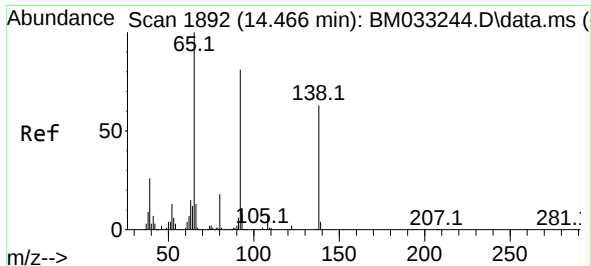
Tgt Ion:154 Resp: 243634
Ion Ratio Lower Upper
154 100
153 57.6 20.3 60.3
76 23.0 0.0 33.5



#51
2,6-Dinitrotoluene
Concen: 10.521 ng
RT: 13.883 min Scan# 1793
Delta R.T. -0.253 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

Tgt Ion:165 Resp: 46810
Ion Ratio Lower Upper
165 100
63 17.1 72.4 108.6#
89 9.0 69.3 103.9#

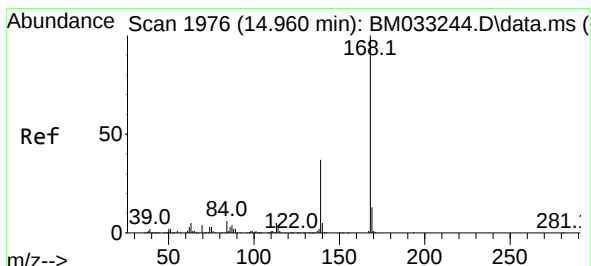
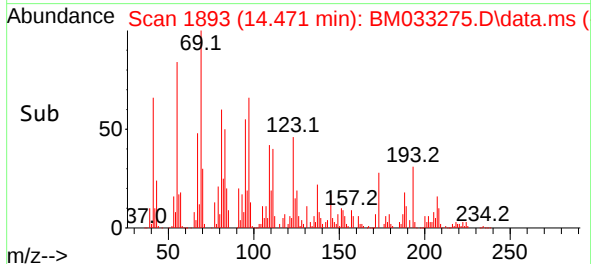
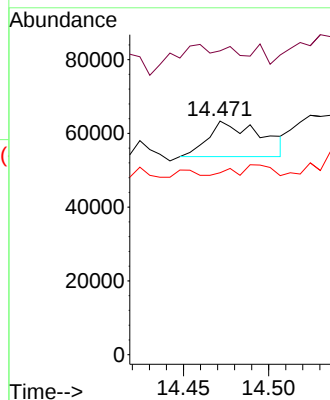
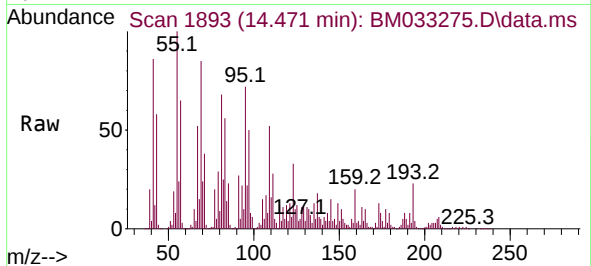




#53
3-Nitroaniline
Concen: 4.347 ng
RT: 14.471 min Scan# 1893
Delta R.T. 0.006 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

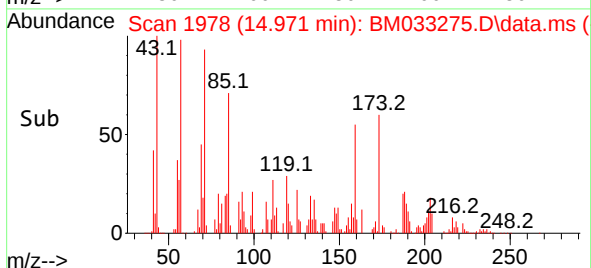
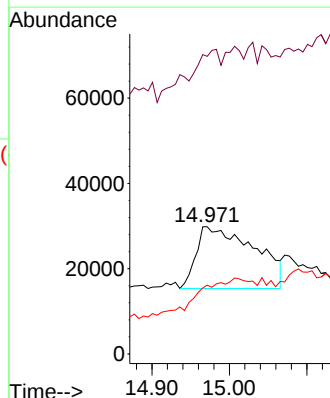
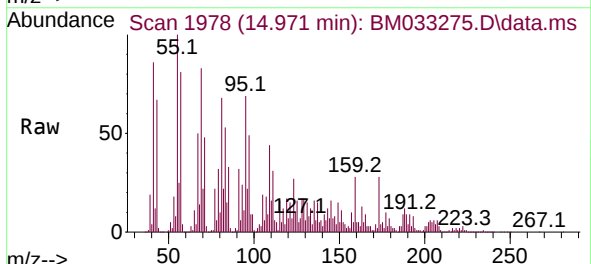
Instrument :
BNA_M
ClientSampleId :
75-78

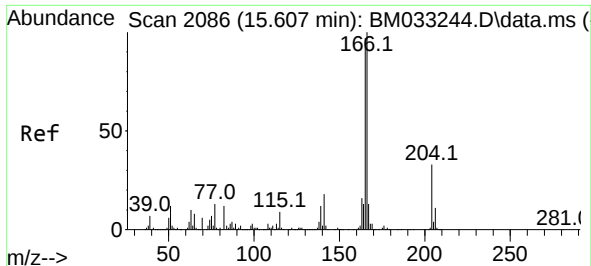
Tgt Ion:138 Resp: 20607
Ion Ratio Lower Upper
138 100
108 130.0 8.3 12.5#
92 77.8 105.2 157.8#



#55
Dibenzofuran
Concen: 2.648 ng
RT: 14.971 min Scan# 1978
Delta R.T. 0.012 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

Tgt Ion:168 Resp: 75921
Ion Ratio Lower Upper
168 100
139 233.9 35.0 52.4#
169 54.1 10.8 16.2#

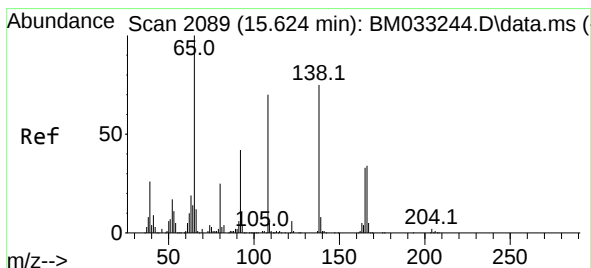
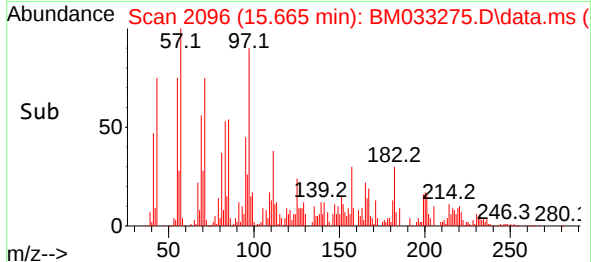
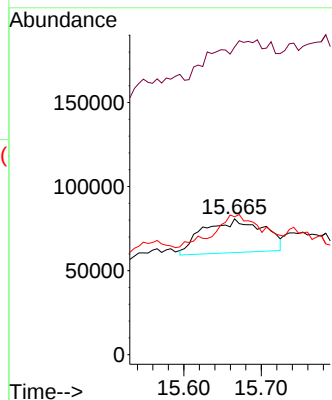
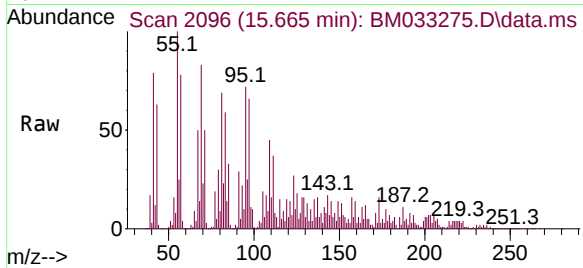




#58
 Fluorene
 Concen: 4.804 ng
 RT: 15.665 min Scan# 2096
 Delta R.T. 0.059 min
 Lab File: BM033275.D
 Acq: 26 Nov 2021 21:16

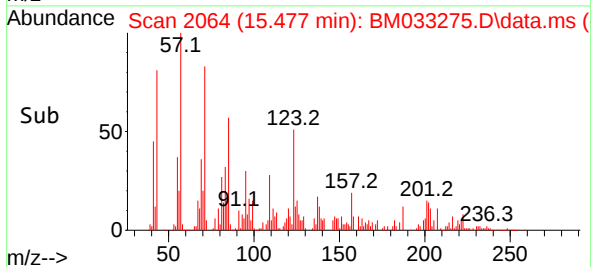
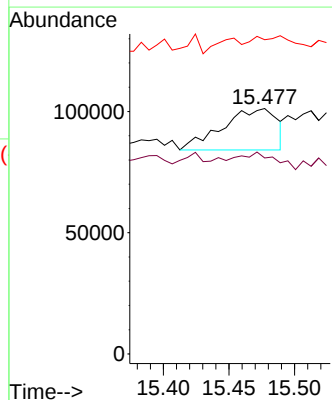
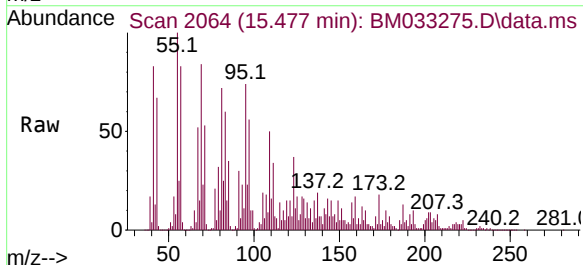
Instrument :
 BNA_M
 ClientSampleId :
 75-78

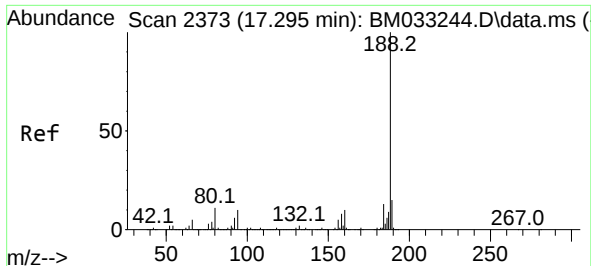
Tgt Ion:166 Resp: 107846
 Ion Ratio Lower Upper
 166 100
 165 226.5 79.3 118.9#
 167 101.6 10.6 16.0#



#62
 4-Nitroaniline
 Concen: 10.022 ng
 RT: 15.477 min Scan# 2064
 Delta R.T. -0.147 min
 Lab File: BM033275.D
 Acq: 26 Nov 2021 21:16

Tgt Ion:138 Resp: 49271
 Ion Ratio Lower Upper
 138 100
 92 79.9 40.6 80.6
 108 128.0 103.8 143.8

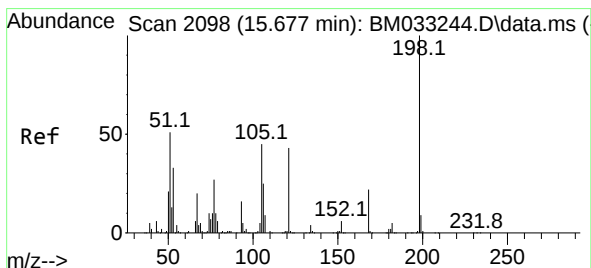
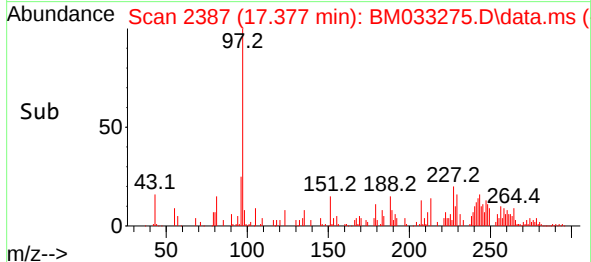
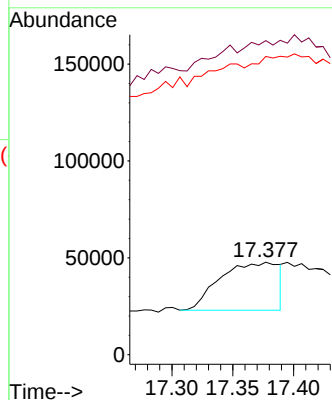
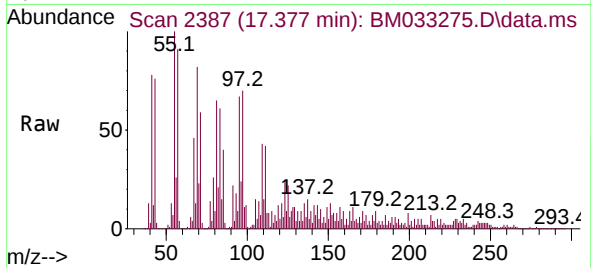




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.377 min Scan# 21
Delta R.T. 0.082 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

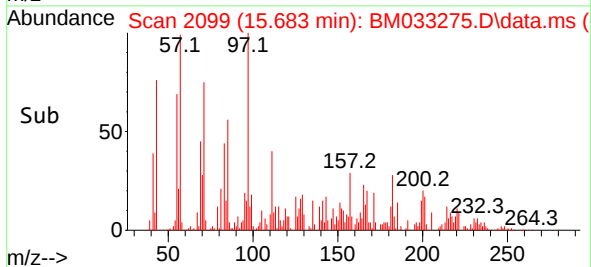
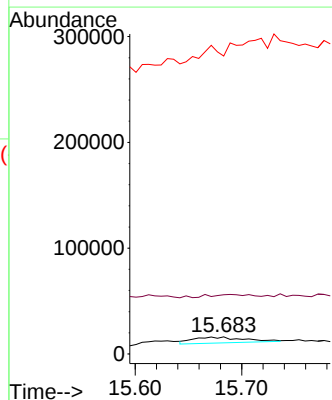
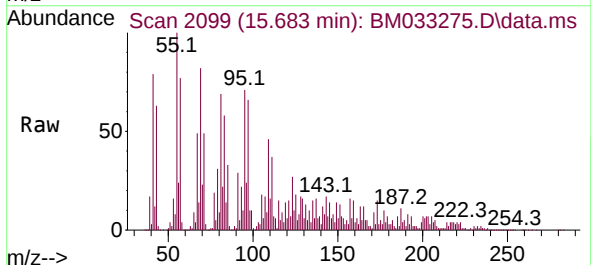
Instrument :
BNA_M
ClientSampleId :
75-78

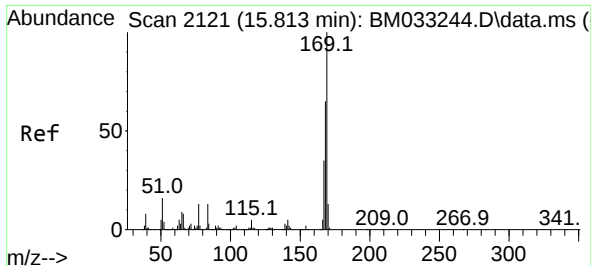
Tgt Ion:188 Resp: 83483
Ion Ratio Lower Upper
188 100
94 339.3 6.3 9.5#
80 322.1 7.3 10.9#



#65
4,6-Dinitro-2-methylphenol
Concen: 43.989 ng
RT: 15.683 min Scan# 2099
Delta R.T. 0.006 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

Tgt Ion:198 Resp: 19021
Ion Ratio Lower Upper
198 100
51 346.4 49.7 89.7#
105 1741.2 34.9 74.9#

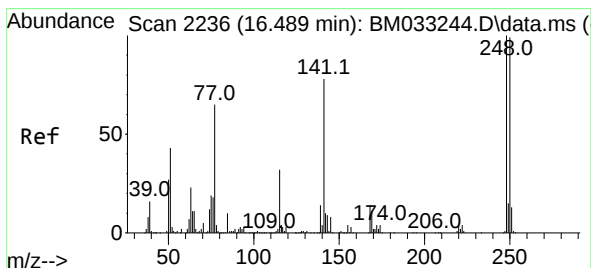
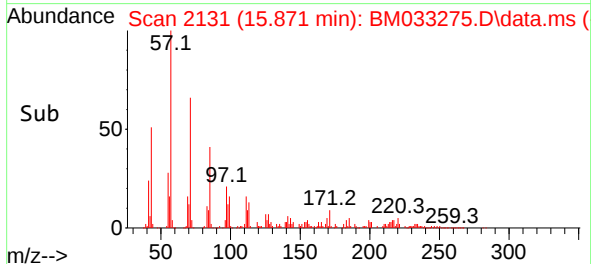
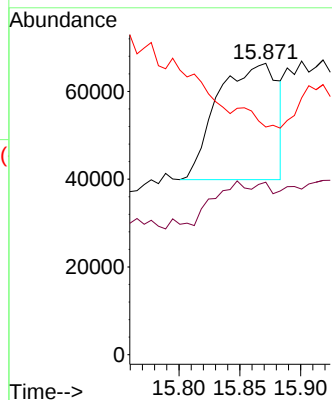
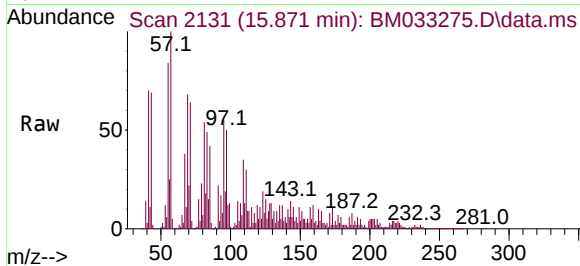




#66
n-Nitrosodiphenylamine
Concen: 37.172 ng
RT: 15.871 min Scan# 21
Delta R.T. 0.059 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

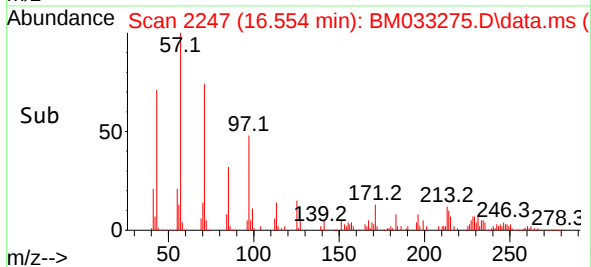
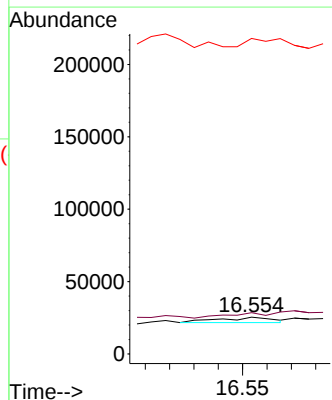
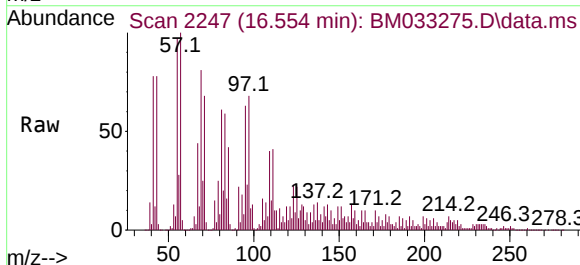
Instrument :
BNA_M
ClientSampleId :
75-78

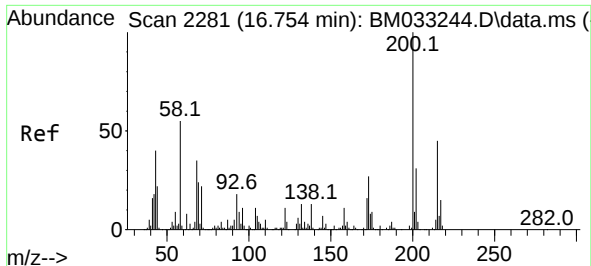
Tgt Ion:169 Resp: 91041
Ion Ratio Lower Upper
169 100
168 59.2 55.0 82.4
167 78.2 29.8 44.8#



#67
4-Bromophenyl-phenylether
Concen: 6.344 ng
RT: 16.554 min Scan# 2247
Delta R.T. 0.065 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

Tgt Ion:248 Resp: 5536
Ion Ratio Lower Upper
248 100
250 112.4 77.4 116.2
141 858.7 74.1 111.1#

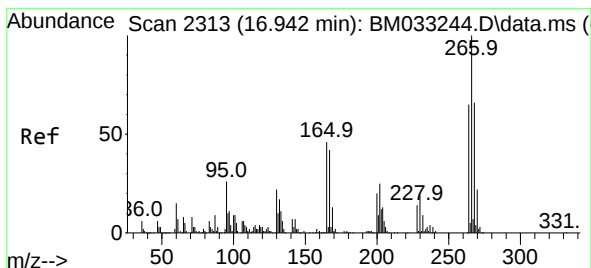
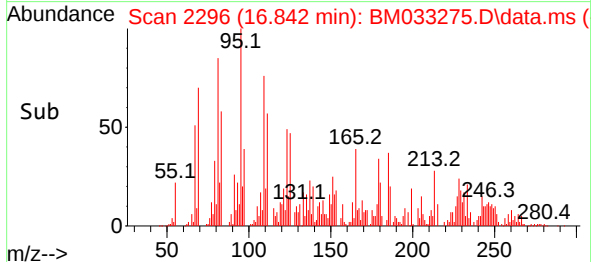
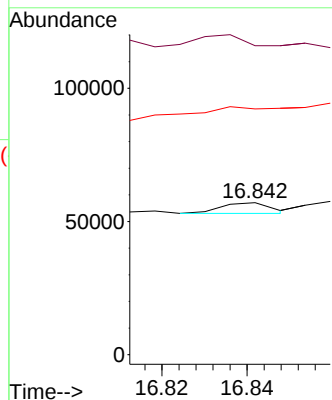
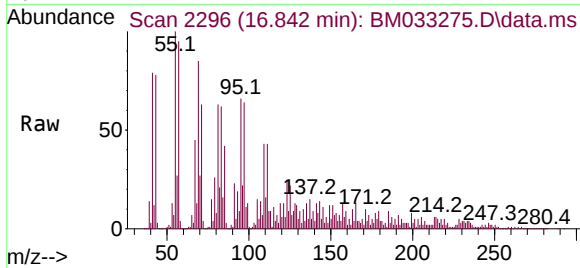




#69
 Atrazine
 Concen: 6.352 ng
 RT: 16.842 min Scan# 21
 Delta R.T. 0.088 min
 Lab File: BM033275.D
 Acq: 26 Nov 2021 21:16

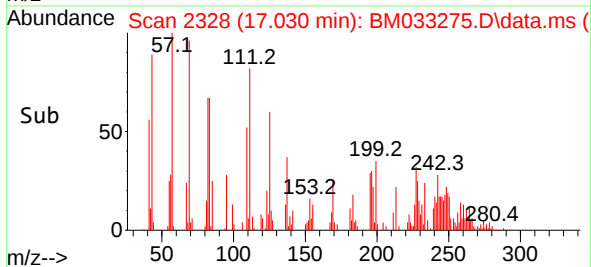
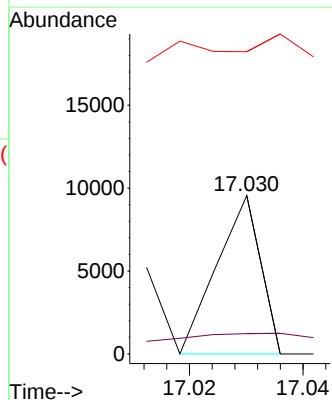
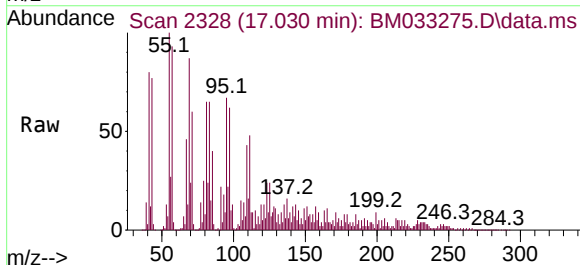
Instrument :
 BNA_M
 ClientSampleId :
 75-78

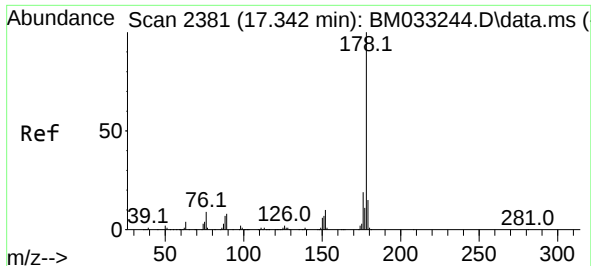
Tgt Ion:200 Resp: 3250
 Ion Ratio Lower Upper
 200 100
 173 203.3 5.8 45.8#
 215 161.7 23.6 63.6#



#70
 Pentachlorophenol
 Concen: 9.043 ng
 RT: 17.030 min Scan# 2328
 Delta R.T. 0.088 min
 Lab File: BM033275.D
 Acq: 26 Nov 2021 21:16

Tgt Ion:266 Resp: 5104
 Ion Ratio Lower Upper
 266 100
 268 12.8 50.3 75.5#
 264 190.9 52.1 78.1#

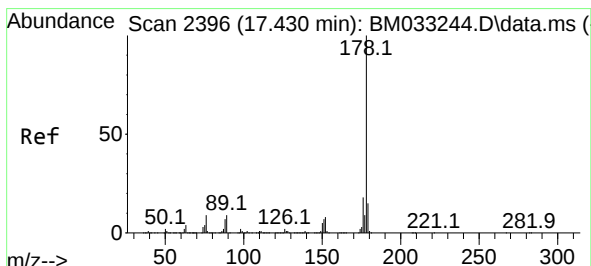
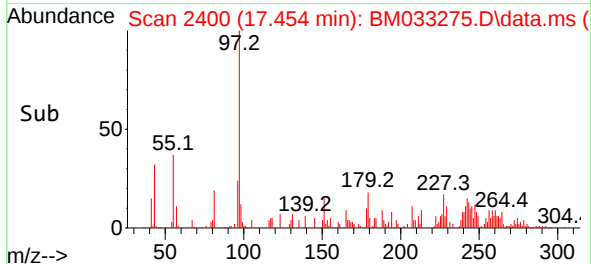
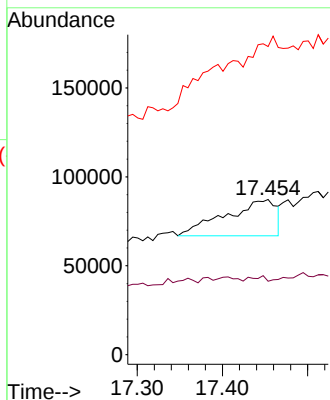
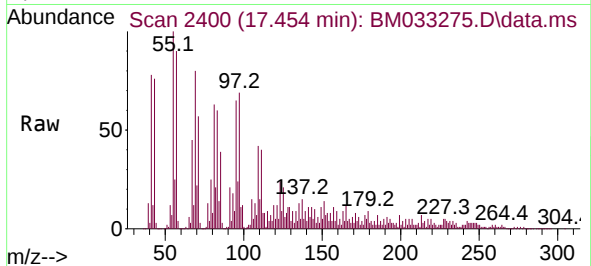




#71
 Phenanthrene
 Concen: 18.461 ng
 RT: 17.454 min Scan# 2400
 Delta R.T. 0.112 min
 Lab File: BM033275.D
 Acq: 26 Nov 2021 21:16

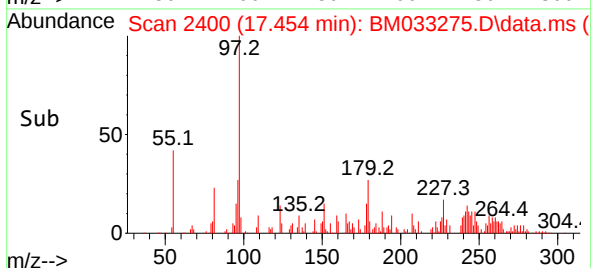
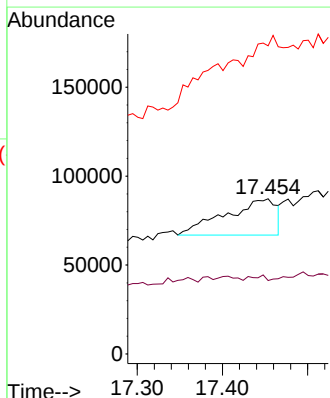
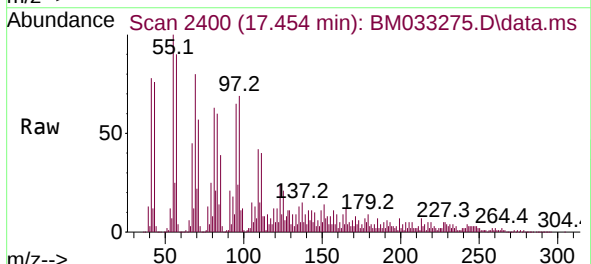
Instrument :
 BNA_M
 ClientSampleId :
 75-78

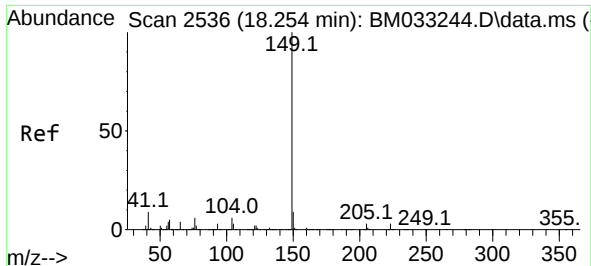
Tgt Ion:178 Resp: 84713
 Ion Ratio Lower Upper
 178 100
 176 47.3 15.6 23.4#
 179 198.6 12.4 18.6#



#72
 Anthracene
 Concen: 19.136 ng
 RT: 17.454 min Scan# 2400
 Delta R.T. 0.023 min
 Lab File: BM033275.D
 Acq: 26 Nov 2021 21:16

Tgt Ion:178 Resp: 84713
 Ion Ratio Lower Upper
 178 100
 176 47.3 14.8 22.2#
 179 198.6 12.3 18.5#

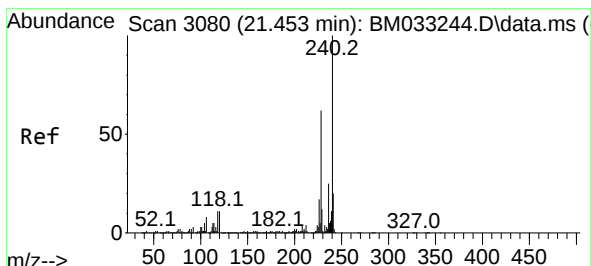
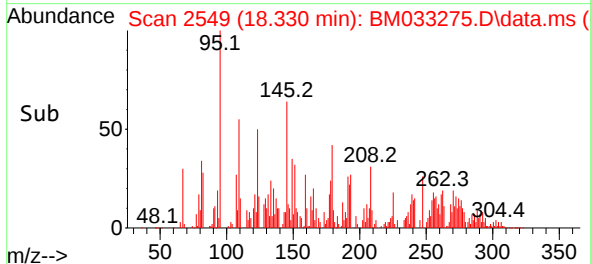
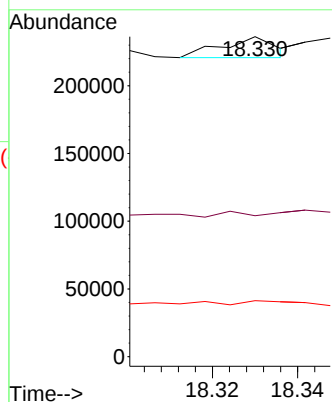
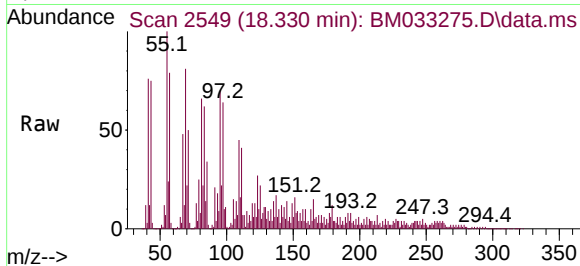




#74
Di-n-butylphthalate
Concen: 2.948 ng
RT: 18.330 min Scan# 21
Delta R.T. 0.076 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

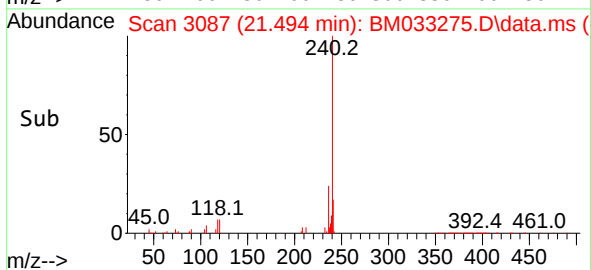
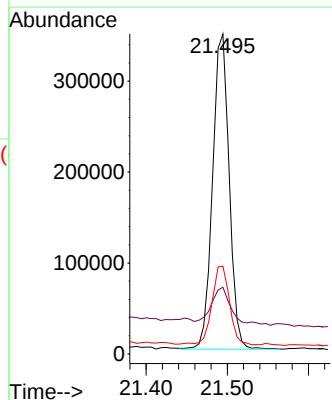
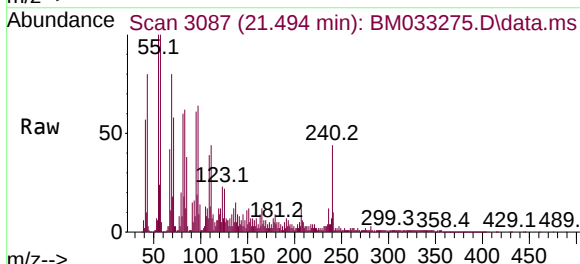
Instrument :
BNA_M
ClientSampleId :
75-78

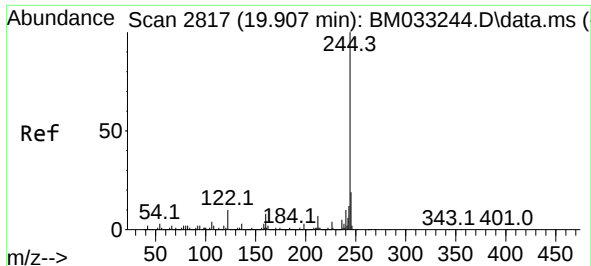
Tgt Ion:149 Resp: 13487
Ion Ratio Lower Upper
149 100
150 44.0 7.3 10.9#
104 17.5 5.6 8.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.494 min Scan# 3087
Delta R.T. 0.041 min
Lab File: BM033275.D
Acq: 26 Nov 2021 21:16

Tgt Ion:240 Resp: 491895
Ion Ratio Lower Upper
240 100
120 20.9 7.8 11.6#
236 27.5 20.9 31.3

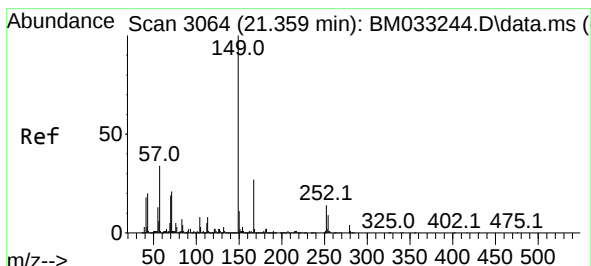
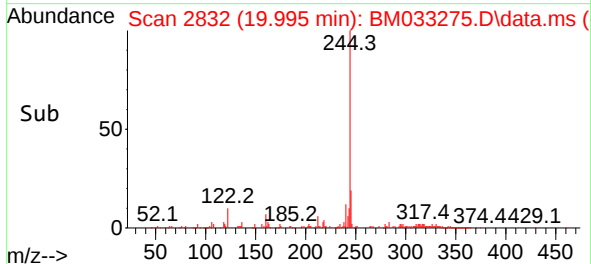
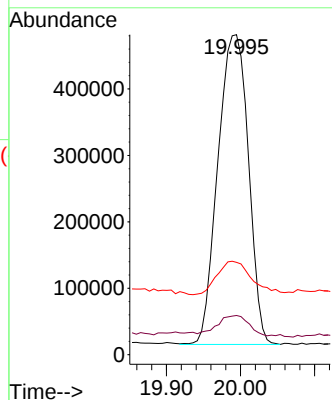
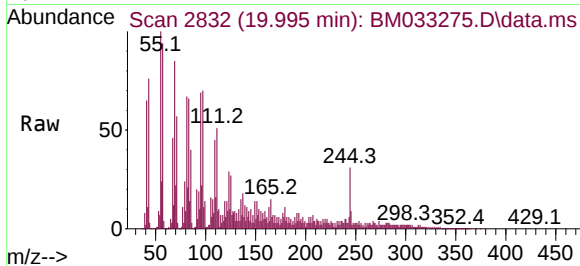




#79
 Terphenyl-d14
 Concen: 53.678 ng
 RT: 19.995 min Scan# 21
 Delta R.T. 0.088 min
 Lab File: BM033275.D
 Acq: 26 Nov 2021 21:16

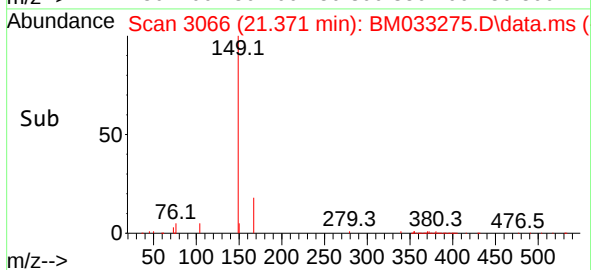
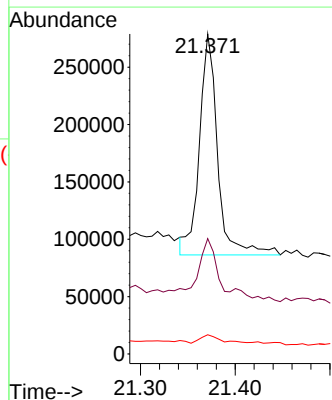
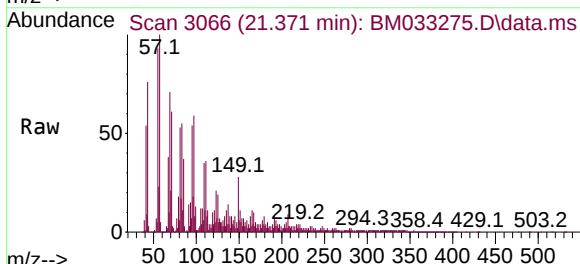
Instrument :
 BNA_M
 ClientSampleId :
 75-78

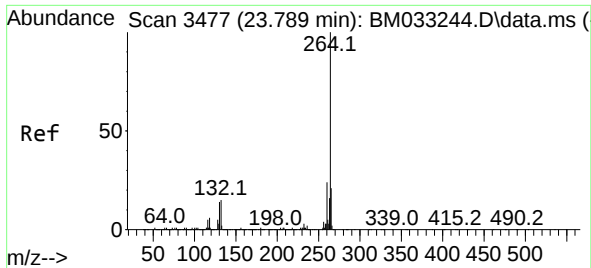
Tgt Ion:244 Resp: 1335292
 Ion Ratio Lower Upper
 244 100
 212 12.3 6.5 9.7#
 122 28.8 8.7 13.1#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 15.097 ng
 RT: 21.371 min Scan# 3066
 Delta R.T. 0.012 min
 Lab File: BM033275.D
 Acq: 26 Nov 2021 21:16

Tgt Ion:149 Resp: 257486
 Ion Ratio Lower Upper
 149 100
 167 36.0 19.7 29.5#
 279 6.0 2.6 4.0#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.794 min Scan# 34
 Delta R.T. 0.006 min
 Lab File: BM033275.D
 Acq: 26 Nov 2021 21:16

Instrument :
 BNA_M
 ClientSampleId :
 75-78

Tgt Ion:264 Resp: 550935
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.3 28.9
 265 23.0 18.3 27.5

