

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112621\
 Data File : BM033270.D
 Acq On : 26 Nov 2021 18:17
 Operator : CG/JU
 Sample : M4815-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-8

Quant Time: Nov 26 23:24:21 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)

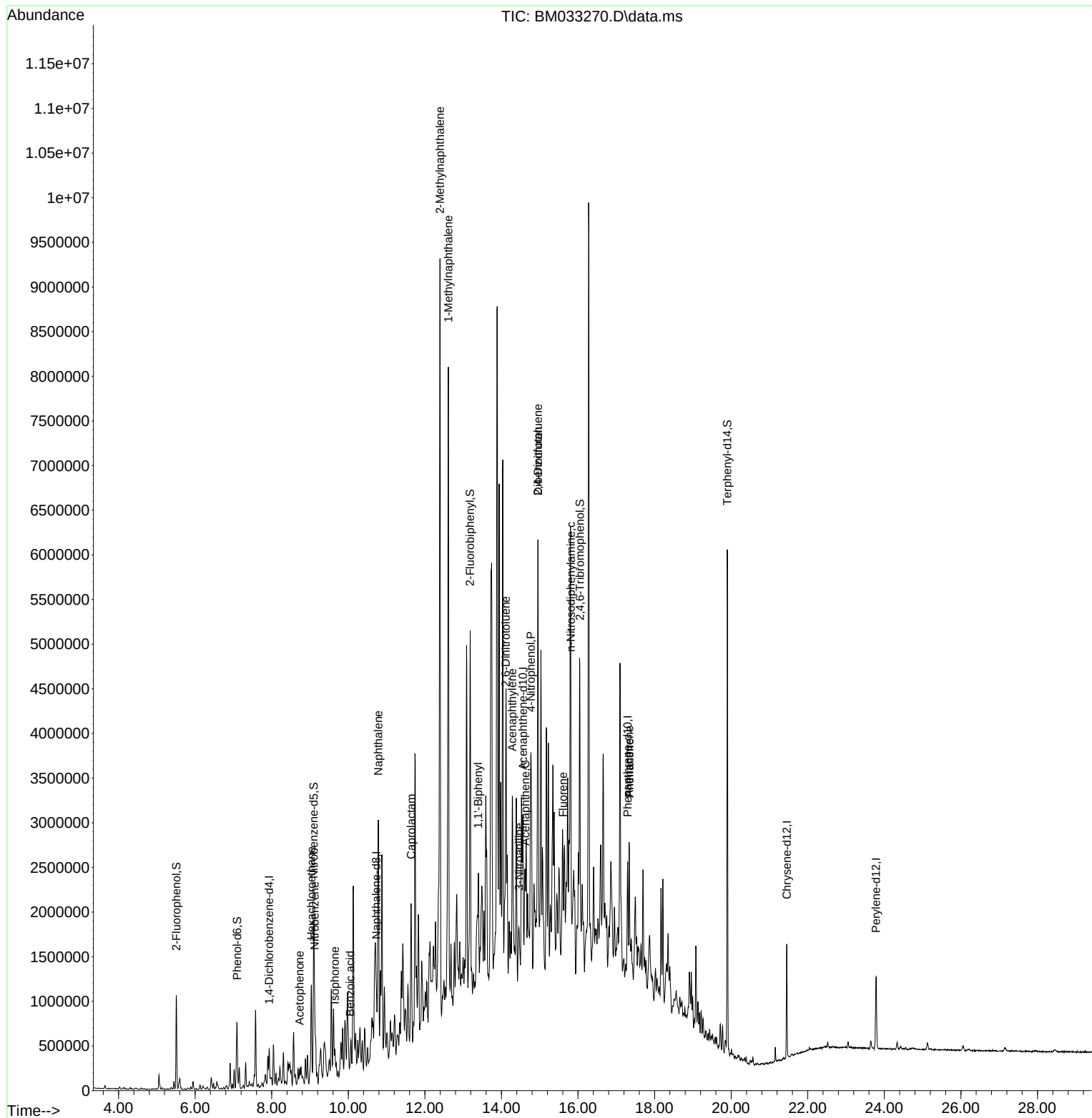
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	111116	20.000	ng	0.00
21) Naphthalene-d8	10.731	136	445459	20.000	ng	# 0.00
39) Acenaphthene-d10	14.560	164	302698	20.000	ng	0.00
64) Phenanthrene-d10	17.295	188	585032	20.000	ng	# 0.00
76) Chrysene-d12	21.453	240	590078	20.000	ng	0.00
86) Perylene-d12	23.783	264	577466	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.507	112	394374	58.611	ng	0.00
7) Phenol-d6	7.096	99	315644	35.026	ng	0.00
23) Nitrobenzene-d5	9.095	82	963732	100.435	ng	0.00
42) 2,4,6-Tribromophenol	16.048	330	429893	130.283	ng	0.00
45) 2-Fluorobiphenyl	13.183	172	2016579	93.955	ng	0.00
79) Terphenyl-d14	19.901	244	2556412	85.667	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.078	77	18108	Below Cal	#	1
18) Hexachloroethane	9.037	117	115155	37.663	ng	# 1
22) Acetophenone	8.731	105	104147	9.084	ng	# 55
24) Nitrobenzene	9.119	77	30001	3.245	ng	# 10
25) Isophorone	9.648	82	32249	2.149	ng	# 1
31) Naphthalene	10.784	128	1525756	64.931	ng	98
32) Benzoic acid	10.048	122	969	5.444	ng	# 1
35) Caprolactam	11.642	113	7842	6.142	ng	# 1
37) 2-Methylnaphthalene	12.395	142	3985618	249.140	ng	96
38) 1-Methylnaphthalene	12.613	142	3172279	203.254	ng	97
46) 1,1'-Biphenyl	13.395	154	176752	7.766	ng	99
49) Acenaphthylene	14.283	152	96419	3.550	ng	# 1
51) 2,6-Dinitrotoluene	14.113	165	9074	2.107	ng	# 1
52) Acenaphthene	14.625	154	214535	12.855	ng	97
53) 3-Nitroaniline	14.466	138	14047	3.061	ng	# 20
55) Dibenzofuran	14.954	168	248052	8.939	ng	# 19
56) 4-Nitrophenol	14.766	139	119814	32.573	ng	# 22
57) 2,4-Dinitrotoluene	14.954	165	74083	13.131	ng	# 58
58) Fluorene	15.607	166	337248	15.520	ng	# 97
66) n-Nitrosodiphenylamine	15.813	169	412171	24.014	ng	# 56
71) Phenanthrene	17.336	178	772730	24.029	ng	98
72) Anthracene	17.336	178	772730	24.908	ng	98

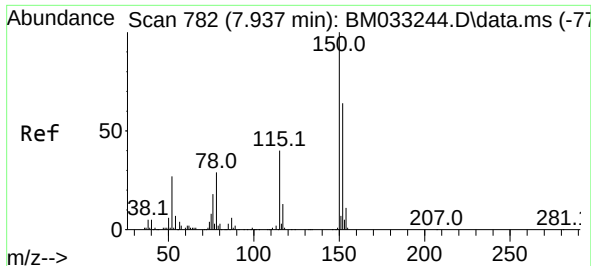
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112621\
Data File : BM033270.D
Acq On : 26 Nov 2021 18:17
Operator : CG/JU
Sample : M4815-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MW-8

Quant Time: Nov 26 23:24:21 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

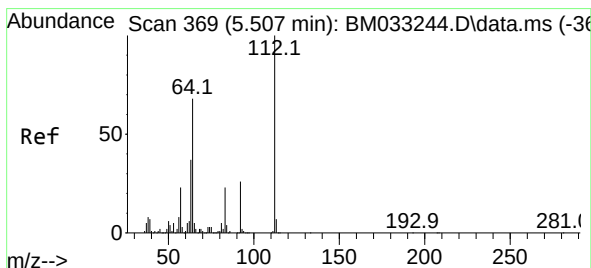
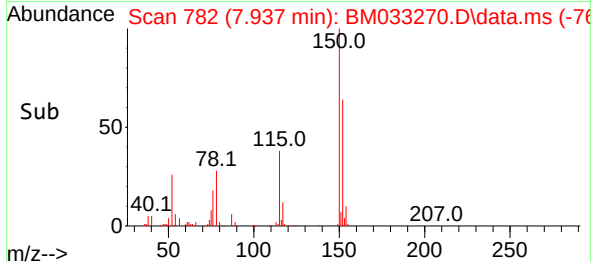
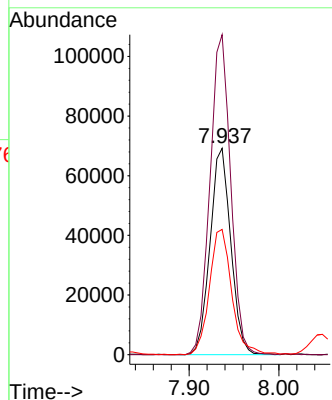
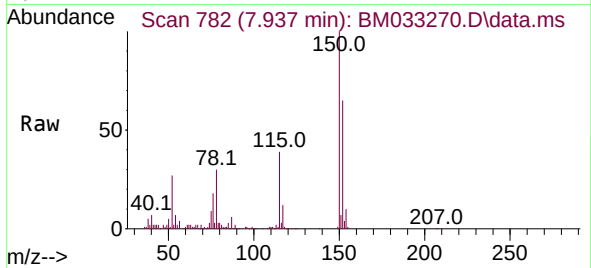




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 782
Delta R.T. -0.000 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

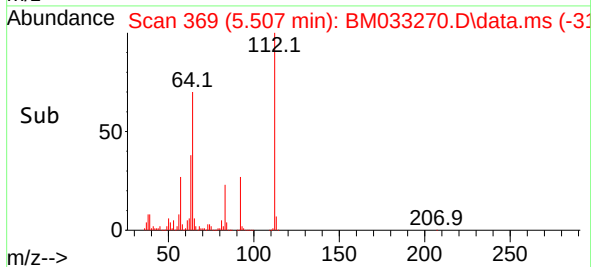
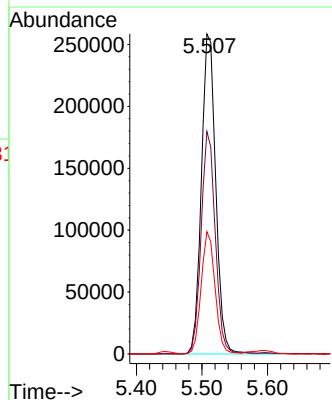
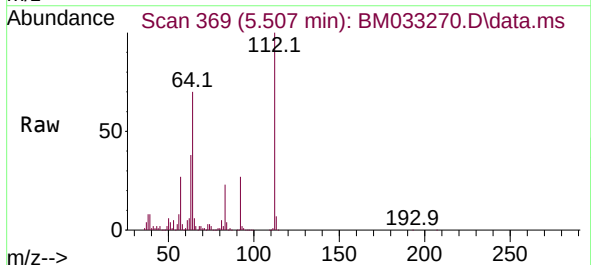
Instrument :
BNA_M
ClientSampleId :
MW-8

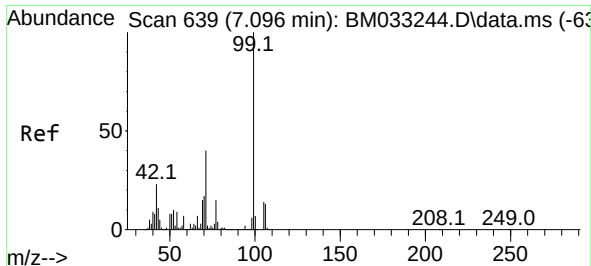
Tgt Ion:152 Resp: 111116
Ion Ratio Lower Upper
152 100
150 155.0 122.4 183.6
115 60.6 53.8 80.8



#5
2-Fluorophenol
Concen: 58.611 ng
RT: 5.507 min Scan# 369
Delta R.T. 0.000 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

Tgt Ion:112 Resp: 394374
Ion Ratio Lower Upper
112 100
64 69.5 53.7 80.5
63 38.2 33.9 50.9

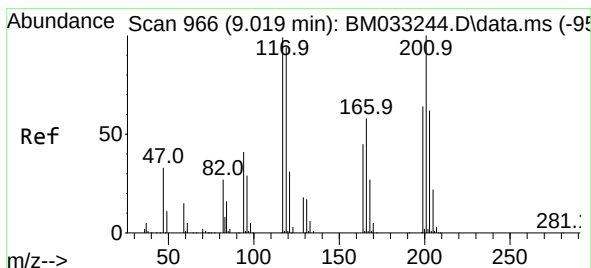
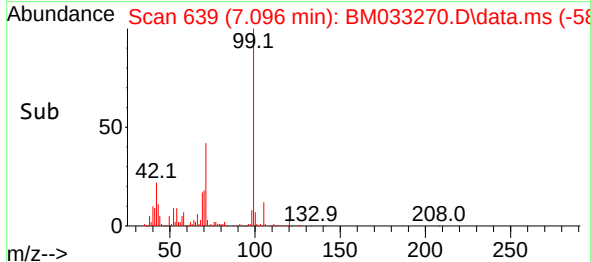
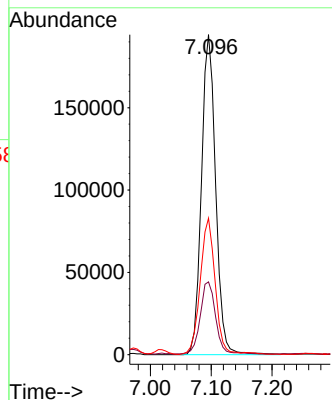
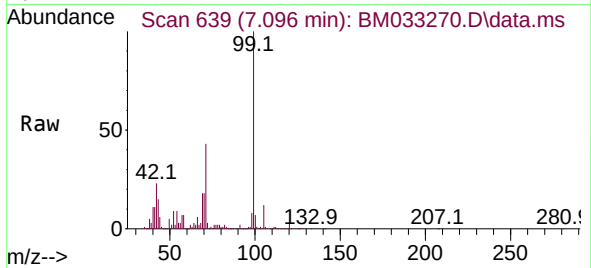




#7
Phenol-d6
Concen: 35.026 ng
RT: 7.096 min Scan# 611
Delta R.T. 0.000 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

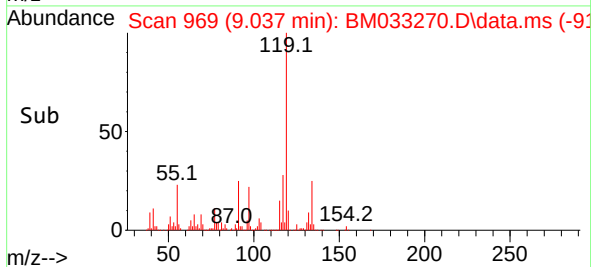
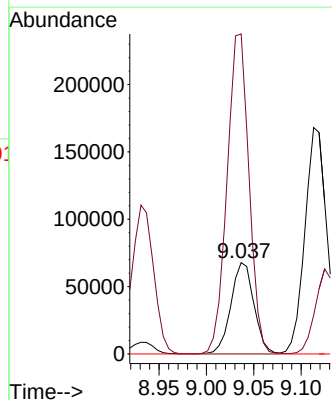
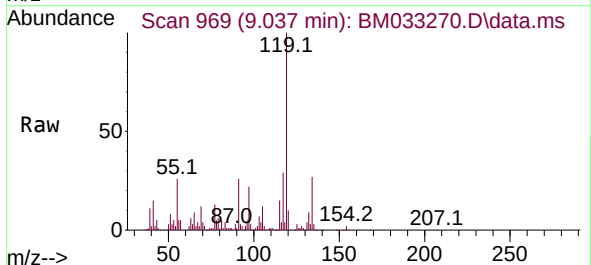
Instrument :
BNA_M
ClientSampleId :
MW-8

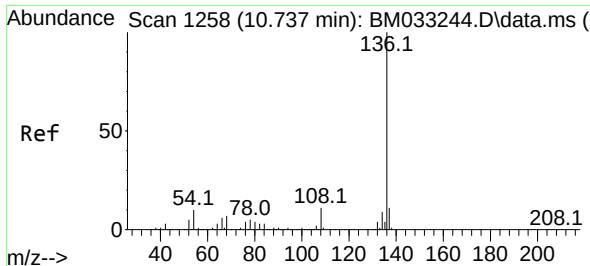
Tgt Ion: 99 Resp: 315644
Ion Ratio Lower Upper
99 100
42 22.8 23.0 34.6#
71 42.7 37.8 56.8



#18
Hexachloroethane
Concen: 37.663 ng
RT: 9.037 min Scan# 969
Delta R.T. 0.018 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

Tgt Ion: 117 Resp: 115155
Ion Ratio Lower Upper
117 100
119 349.9 77.7 116.5#
201 0.0 70.2 105.2#

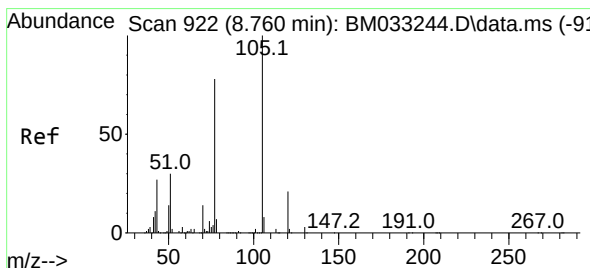
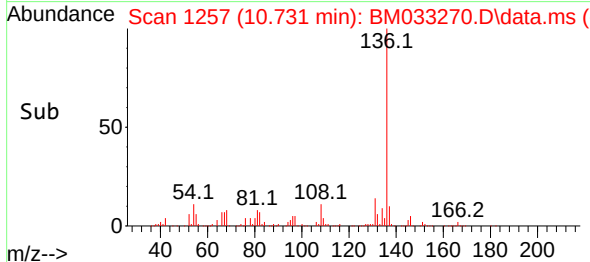
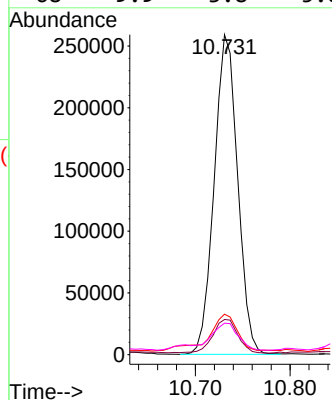
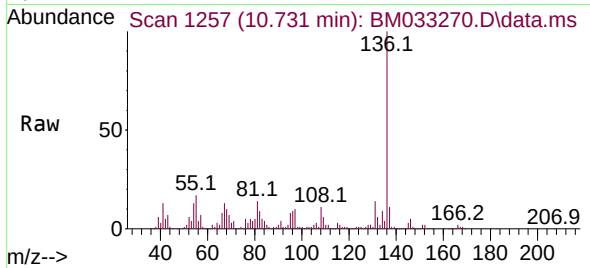




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

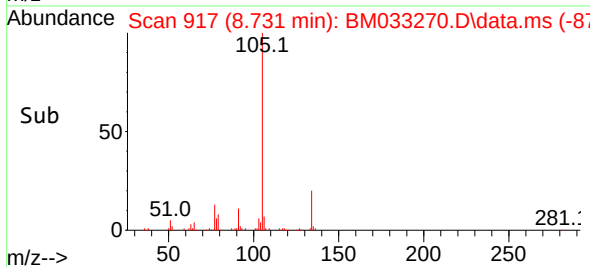
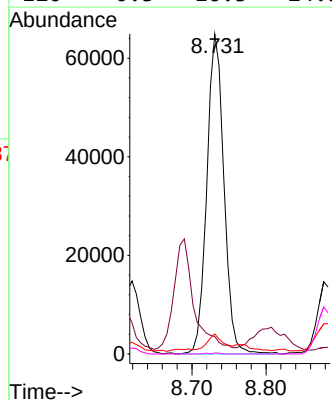
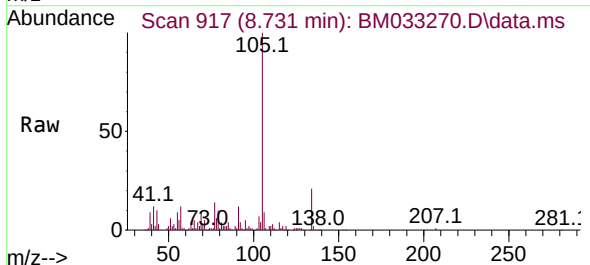
Instrument :
BNA_M
ClientSampleId :
MW-8

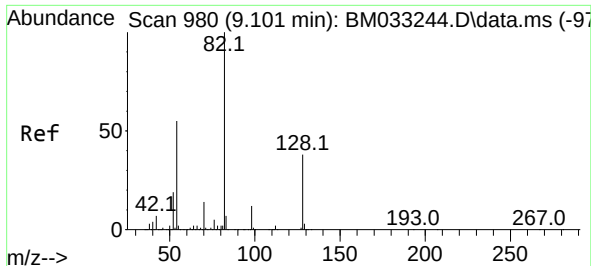
Tgt Ion:136 Resp: 445459
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 12.7 7.4 11.0#
68 9.9 3.8 5.8#



#22
Acetophenone
Concen: 9.084 ng
RT: 8.731 min Scan# 917
Delta R.T. -0.029 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

Tgt Ion:105 Resp: 104147
Ion Ratio Lower Upper
105 100
71 5.4 3.8 5.6
51 6.3 29.5 44.3#
120 0.3 16.3 24.5#





#23

Nitrobenzene-d5

Concen: 100.435 ng

RT: 9.095 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM033270.D

Acq: 26 Nov 2021 18:17

Instrument :

BNA_M

ClientSampleId :

MW-8

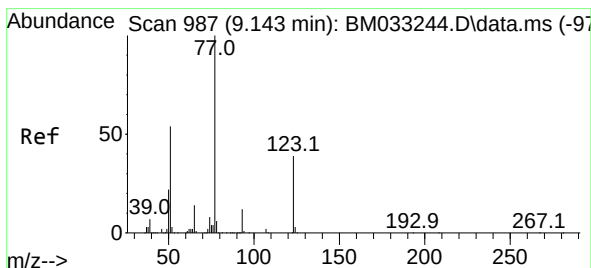
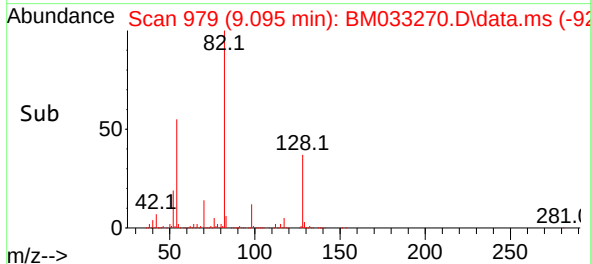
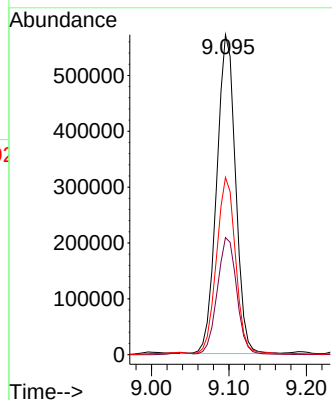
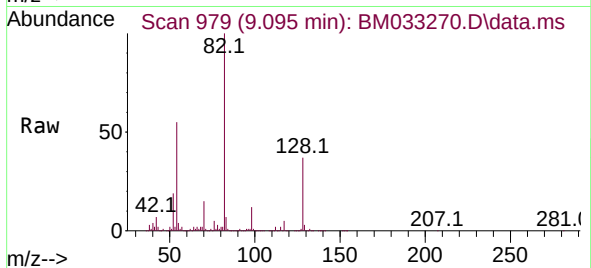
Tgt Ion: 82 Resp: 963732

Ion Ratio Lower Upper

82 100

128 36.6 29.0 43.6

54 55.4 45.8 68.8



#24

Nitrobenzene

Concen: 3.245 ng

RT: 9.119 min Scan# 983

Delta R.T. -0.024 min

Lab File: BM033270.D

Acq: 26 Nov 2021 18:17

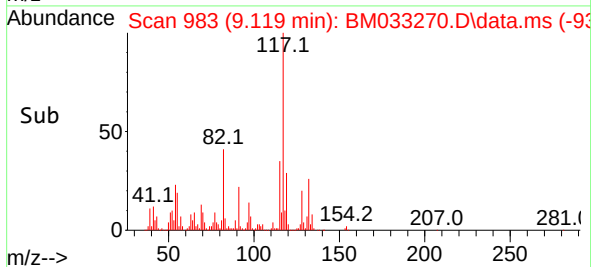
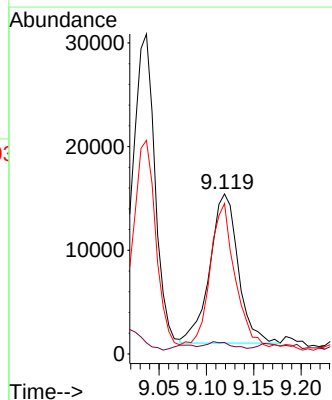
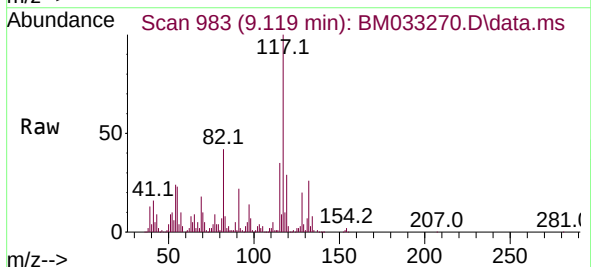
Tgt Ion: 77 Resp: 30001

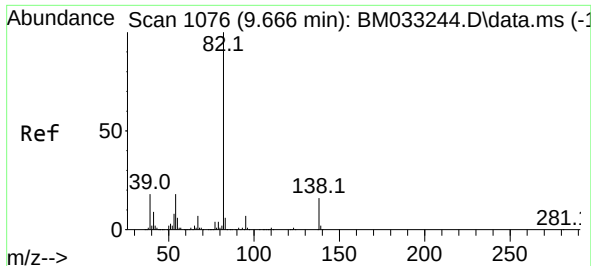
Ion Ratio Lower Upper

77 100

123 7.2 30.1 45.1#

65 94.0 11.7 17.5#

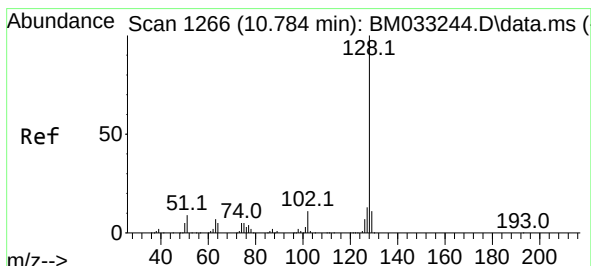
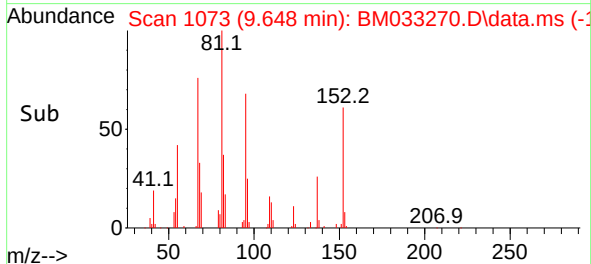
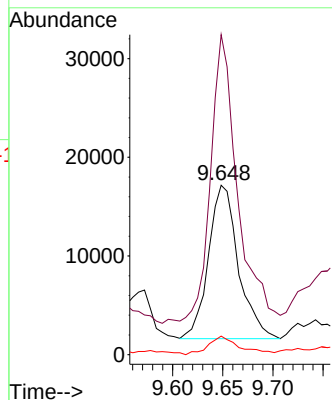
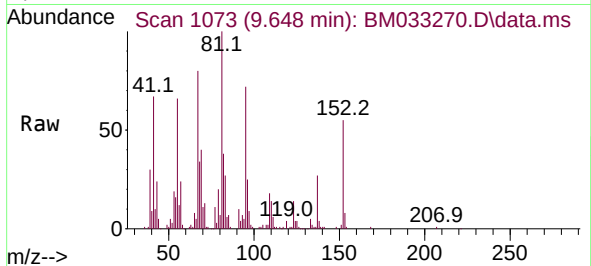




#25
Isophorone
Concen: 2.149 ng
RT: 9.648 min Scan# 1076
Delta R.T. -0.018 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

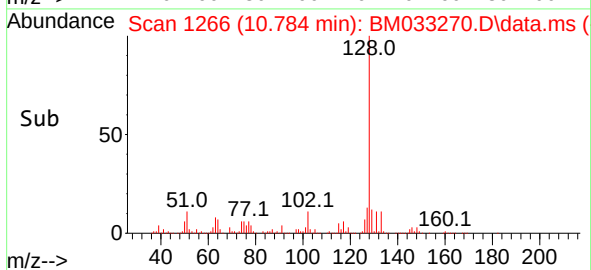
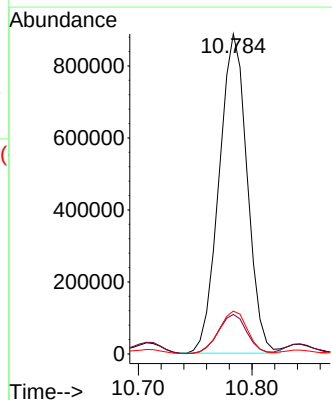
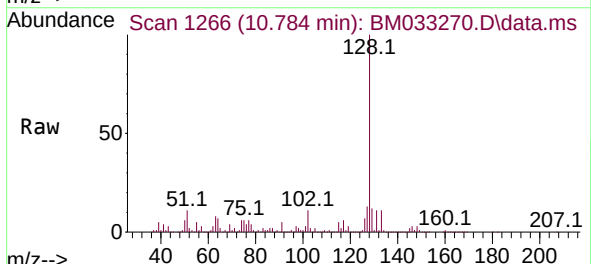
Instrument :
BNA_M
ClientSampleId :
MW-8

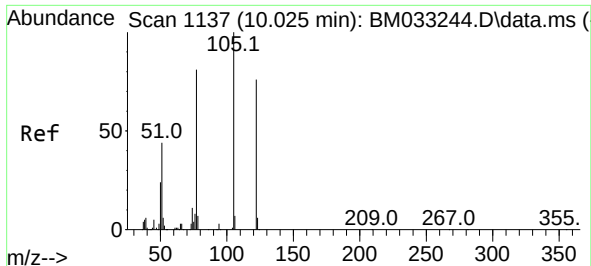
Tgt Ion: 82 Resp: 32249
Ion Ratio Lower Upper
82 100
95 188.8 6.4 9.6#
138 11.0 12.4 18.6#



#31
Naphthalene
Concen: 64.931 ng
RT: 10.784 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

Tgt Ion:128 Resp: 1525756
Ion Ratio Lower Upper
128 100
129 12.3 8.6 13.0
127 13.4 10.4 15.6

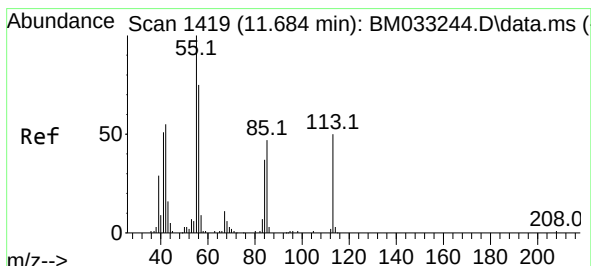
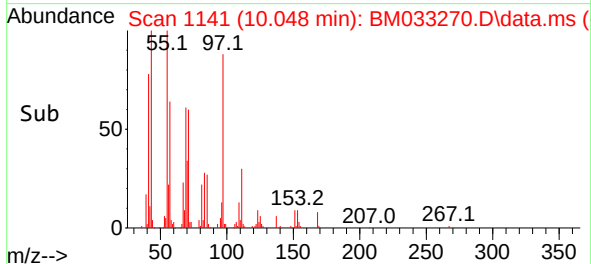
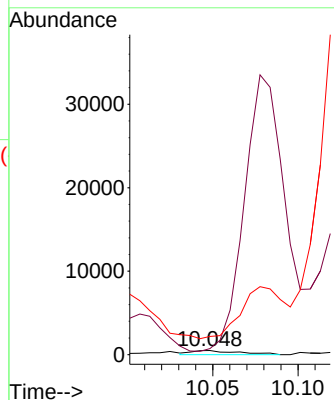
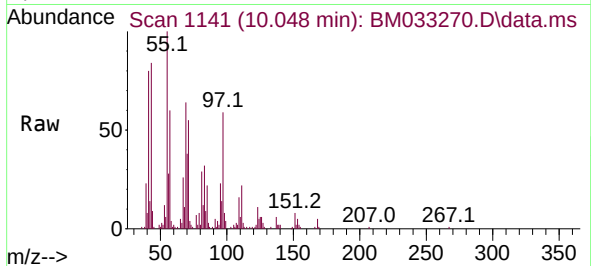




#32
Benzoic acid
Concen: 5.444 ng
RT: 10.048 min Scan# 1137
Delta R.T. 0.023 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

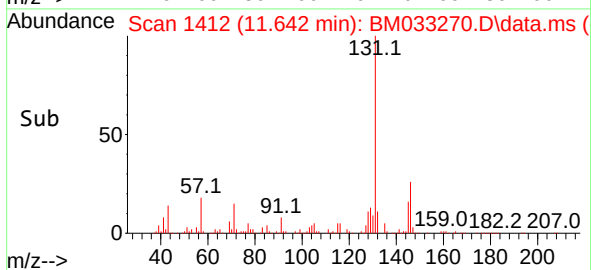
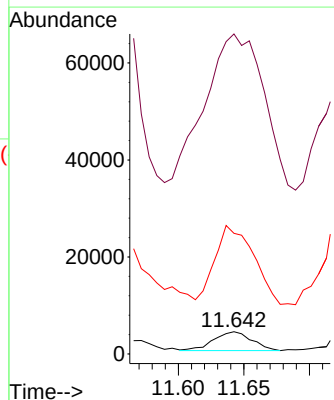
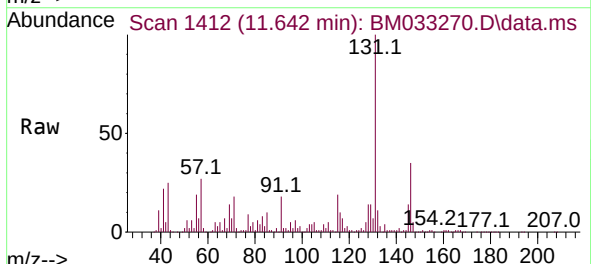
Instrument :
BNA_M
ClientSampleId :
MW-8

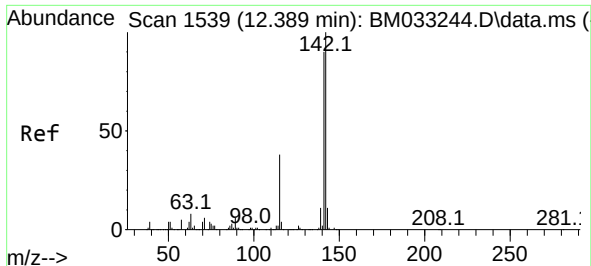
Tgt Ion:122 Resp: 969
Ion Ratio Lower Upper
122 100
105 144.3 120.3 160.3
77 433.8 100.0 140.0#



#35
Caprolactam
Concen: 6.142 ng
RT: 11.642 min Scan# 1412
Delta R.T. -0.041 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

Tgt Ion:113 Resp: 7842
Ion Ratio Lower Upper
113 100
55 1440.1 170.5 210.5#
56 542.8 125.2 165.2#

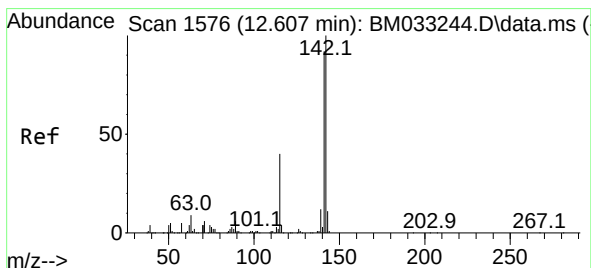
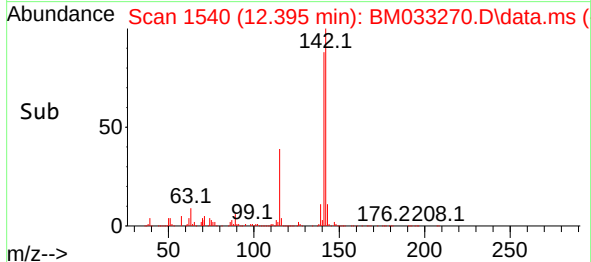
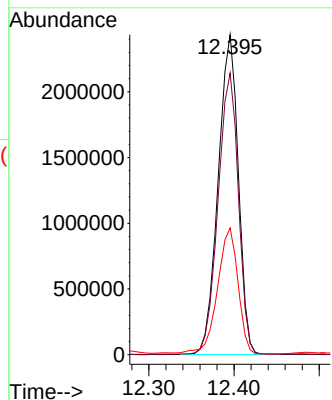
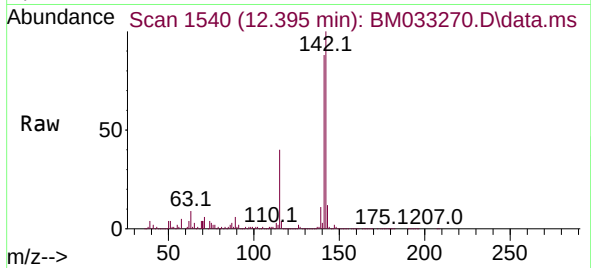




#37
2-Methylnaphthalene
Concen: 249.140 ng
RT: 12.395 min Scan# 1539
Delta R.T. 0.006 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

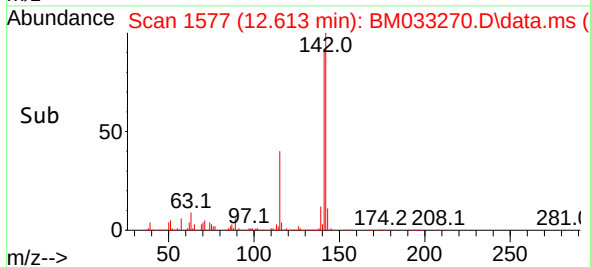
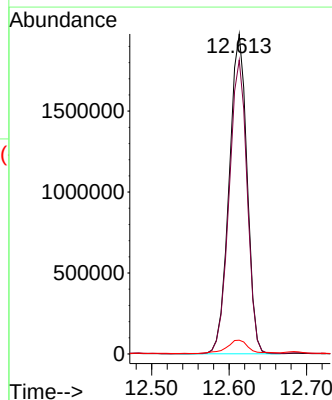
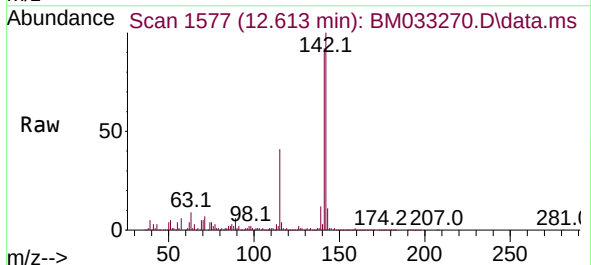
Instrument :
BNA_M
ClientSampleId :
MW-8

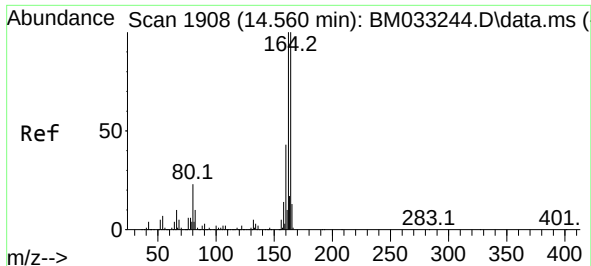
Tgt Ion:142 Resp: 3985618
Ion Ratio Lower Upper
142 100
141 88.0 71.8 107.6
115 39.6 36.3 54.5



#38
1-Methylnaphthalene
Concen: 203.254 ng
RT: 12.613 min Scan# 1577
Delta R.T. 0.006 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

Tgt Ion:142 Resp: 3172279
Ion Ratio Lower Upper
142 100
141 91.8 75.6 113.4
116 4.3 4.0 6.0

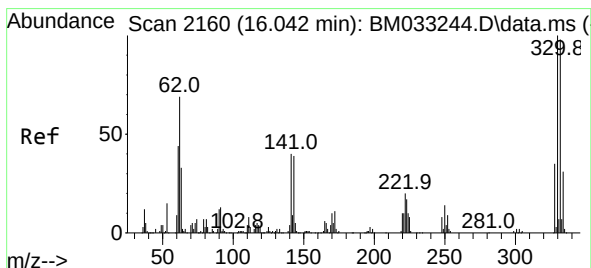
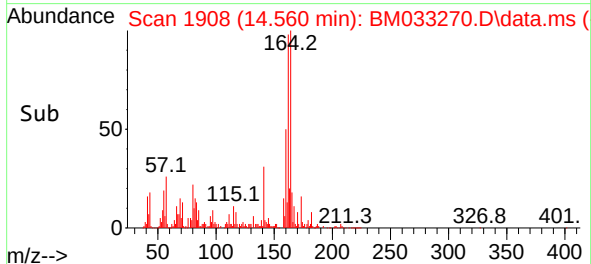
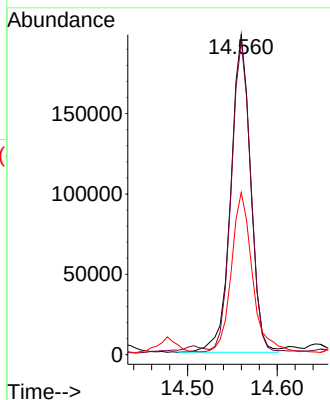
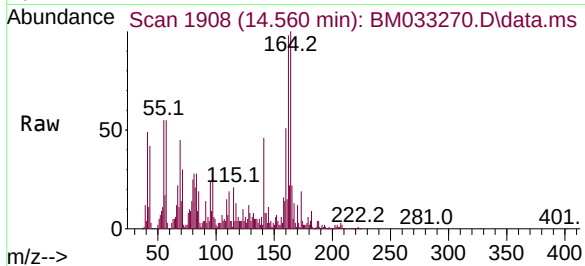




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.560 min Scan# 1908
Delta R.T. 0.000 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

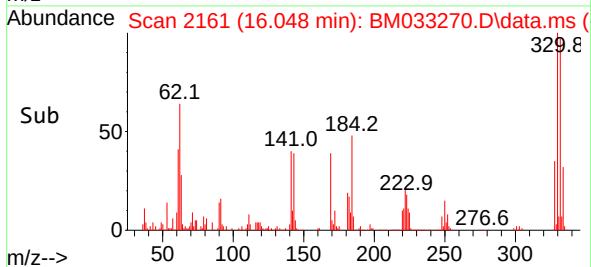
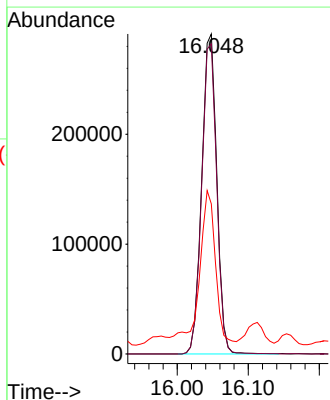
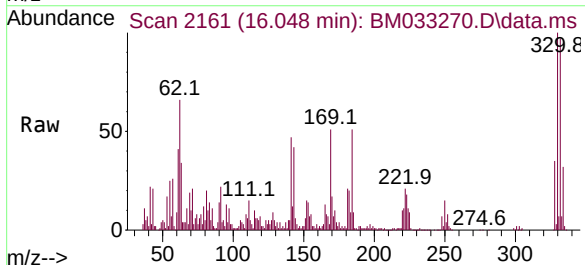
Instrument :
BNA_M
ClientSampleId :
MW-8

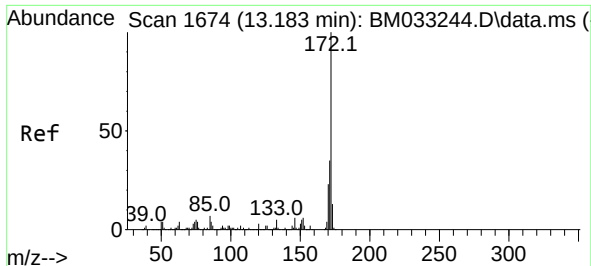
Tgt Ion:164 Resp: 302698
Ion Ratio Lower Upper
164 100
162 98.0 80.6 121.0
160 50.7 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 130.283 ng
RT: 16.048 min Scan# 2161
Delta R.T. 0.006 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

Tgt Ion:330 Resp: 429893
Ion Ratio Lower Upper
330 100
332 96.9 75.7 113.5
141 47.7 50.7 76.1#

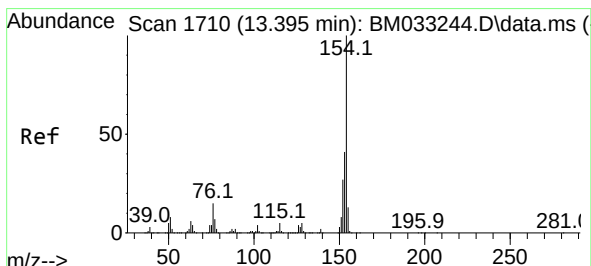
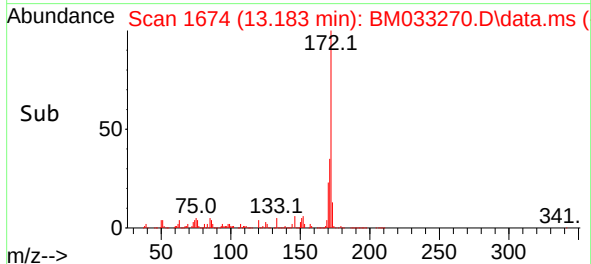
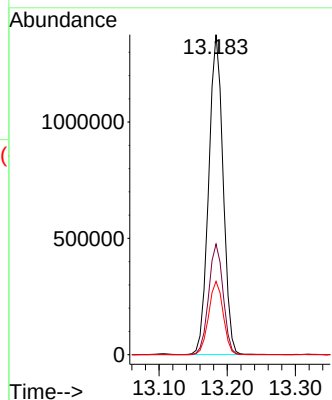
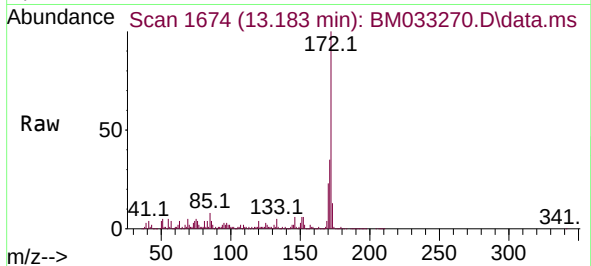




#45
2-Fluorobiphenyl
Concen: 93.955 ng
RT: 13.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

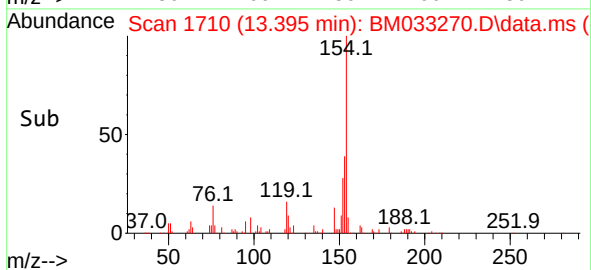
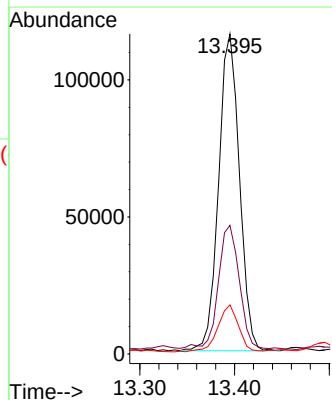
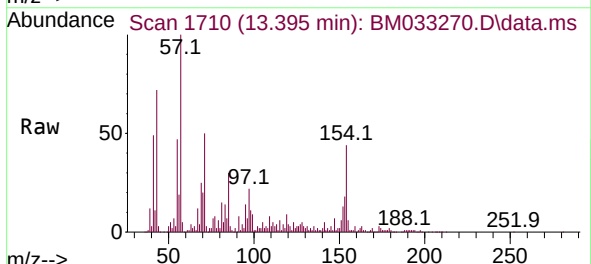
Instrument :
BNA_M
ClientSampleId :
MW-8

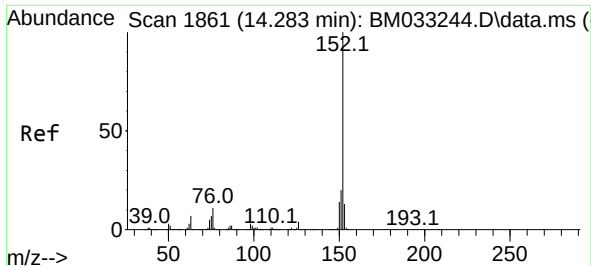
Tgt Ion:172 Resp: 2016579
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 22.9 18.6 27.8



#46
1,1'-Biphenyl
Concen: 7.766 ng
RT: 13.395 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

Tgt Ion:154 Resp: 176752
Ion Ratio Lower Upper
154 100
153 40.2 20.3 60.3
76 15.4 0.0 33.5

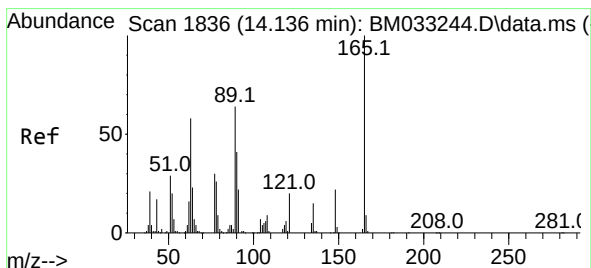
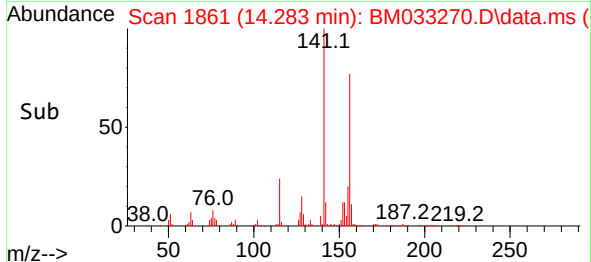
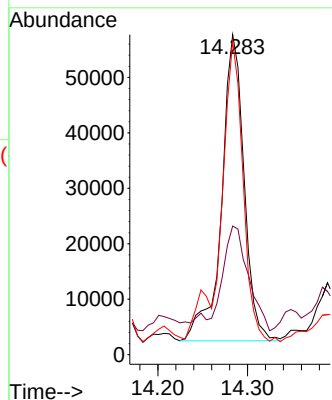
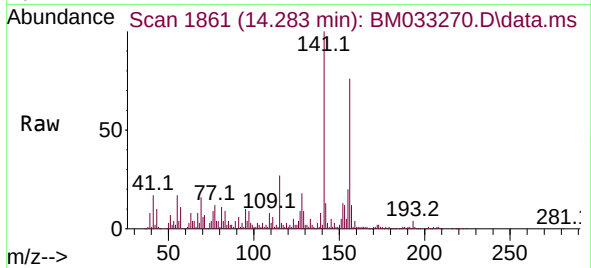




#49
Acenaphthylene
Concen: 3.550 ng
RT: 14.283 min Scan# 1861
Delta R.T. 0.000 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

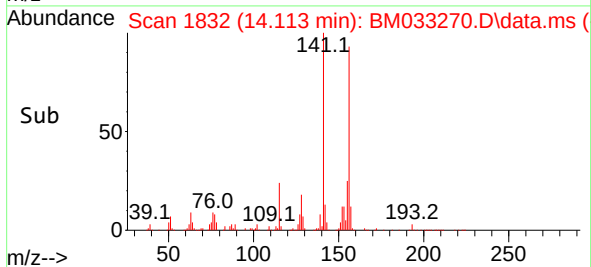
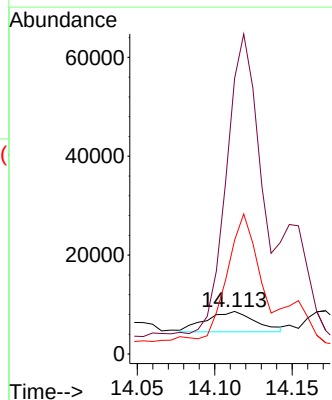
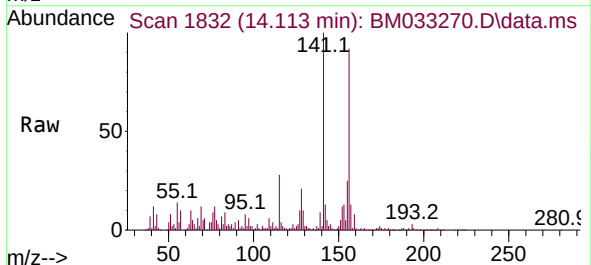
Instrument :
BNA_M
ClientSampleId :
MW-8

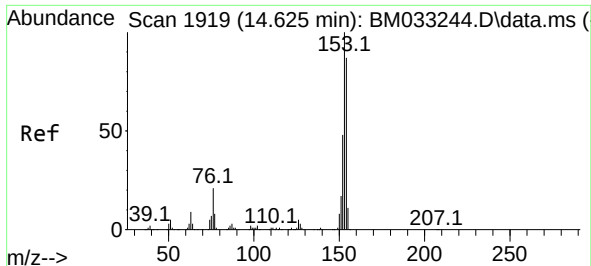
Tgt Ion:152 Resp: 96419
Ion Ratio Lower Upper
152 100
151 40.2 15.7 23.5#
153 98.0 10.6 15.8#



#51
2,6-Dinitrotoluene
Concen: 2.107 ng
RT: 14.113 min Scan# 1832
Delta R.T. -0.024 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

Tgt Ion:165 Resp: 9074
Ion Ratio Lower Upper
165 100
63 647.6 72.4 108.6#
89 267.4 69.3 103.9#

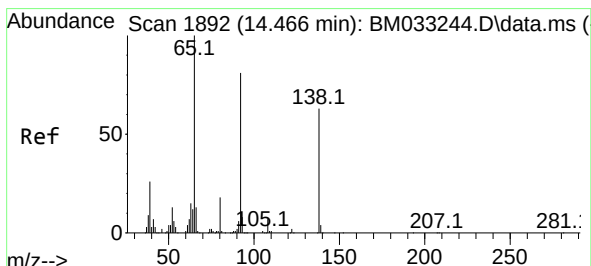
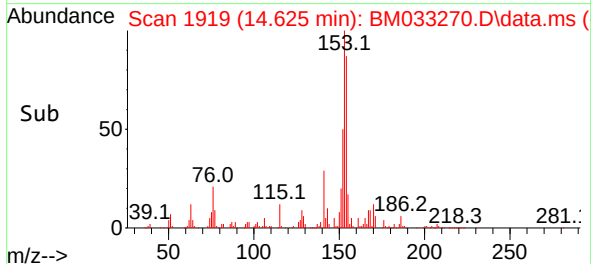
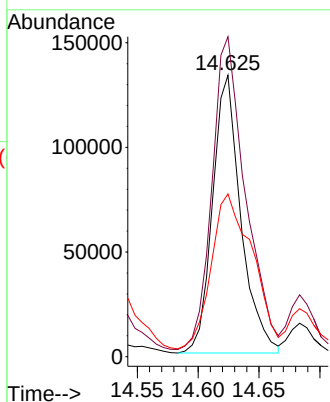
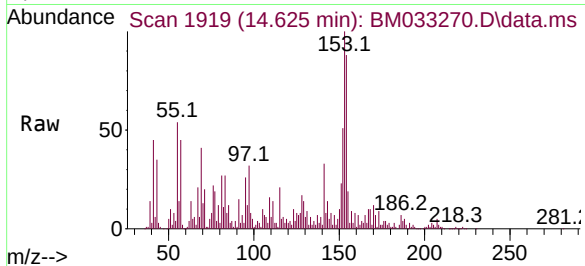




#52
Acenaphthene
Concen: 12.855 ng
RT: 14.625 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

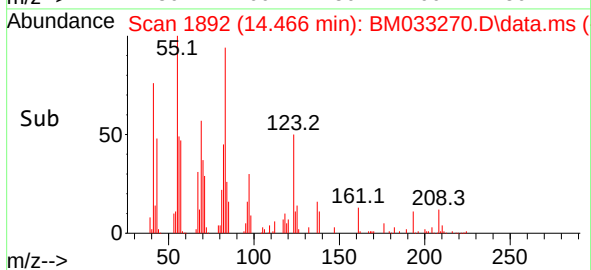
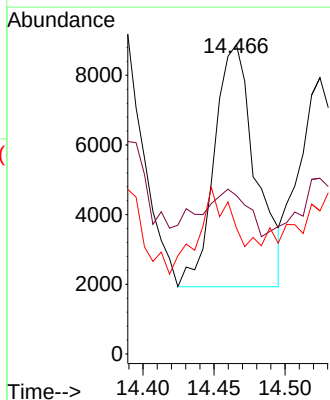
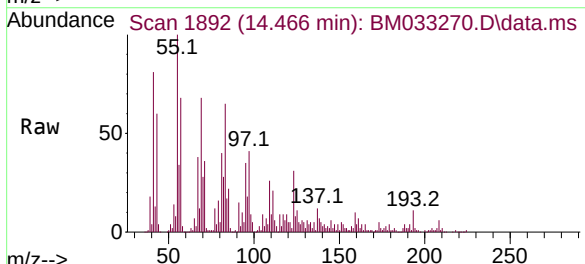
Instrument :
BNA_M
ClientSampleId :
MW-8

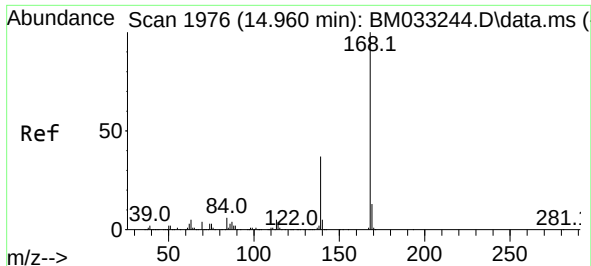
Tgt Ion:154 Resp: 214535
Ion Ratio Lower Upper
154 100
153 113.7 92.4 138.6
152 57.8 43.7 65.5



#53
3-Nitroaniline
Concen: 3.061 ng
RT: 14.466 min Scan# 1892
Delta R.T. 0.000 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

Tgt Ion:138 Resp: 14047
Ion Ratio Lower Upper
138 100
108 51.2 8.3 12.5#
92 40.7 105.2 157.8#

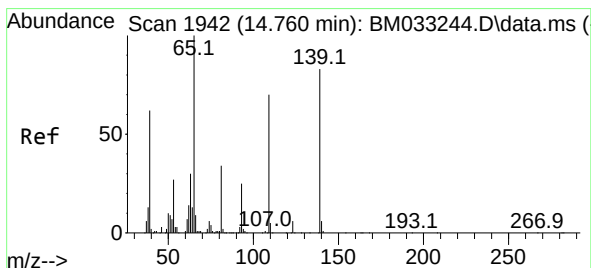
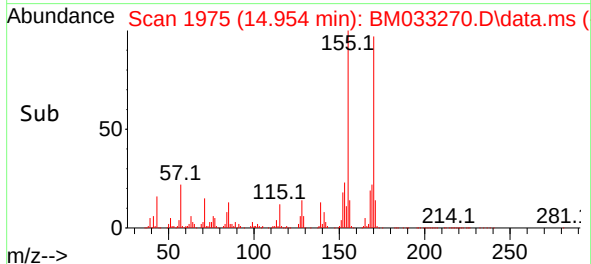
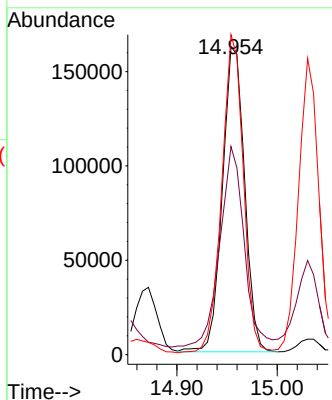
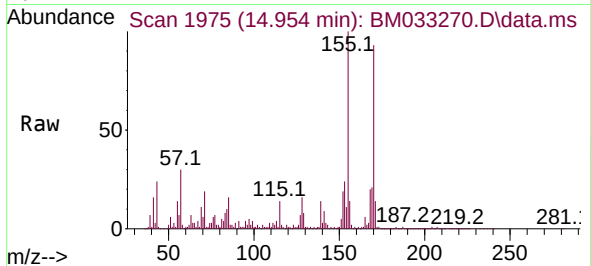




#55
Dibenzenofuran
Concen: 8.939 ng
RT: 14.954 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

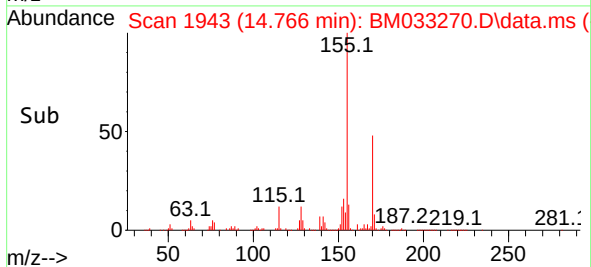
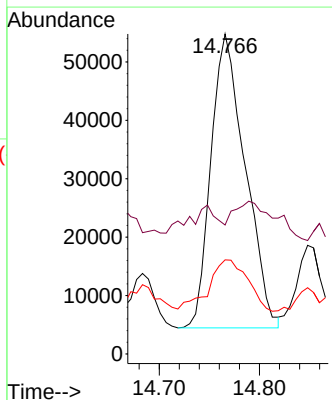
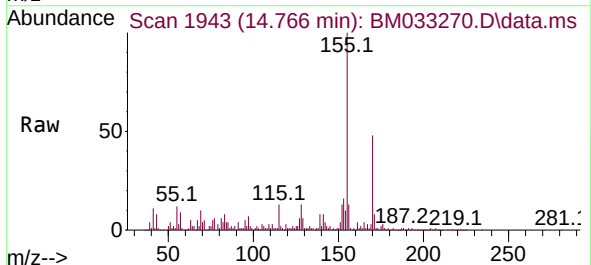
Instrument :
BNA_M
ClientSampleId :
MW-8

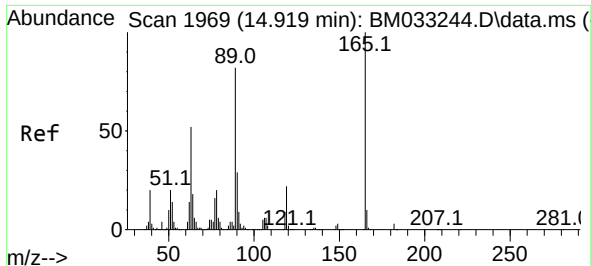
Tgt Ion:168 Resp: 248052
Ion Ratio Lower Upper
168 100
139 67.6 35.0 52.4#
169 104.0 10.8 16.2#



#56
4-Nitrophenol
Concen: 32.573 ng
RT: 14.766 min Scan# 1943
Delta R.T. 0.006 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

Tgt Ion:139 Resp: 119814
Ion Ratio Lower Upper
139 100
109 40.3 92.3 132.3#
65 29.4 110.5 150.5#

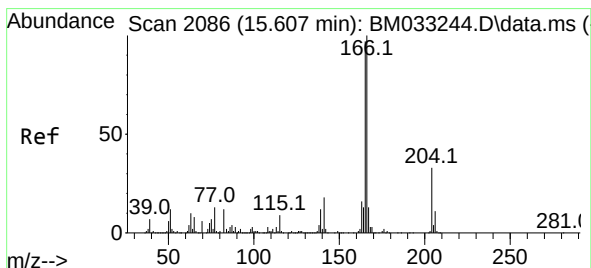
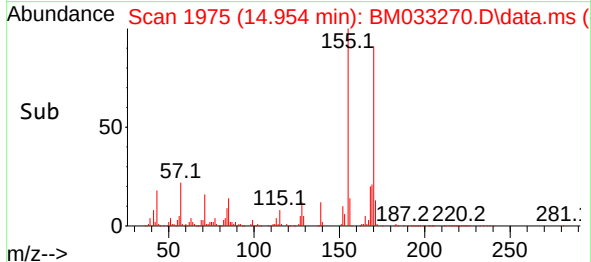
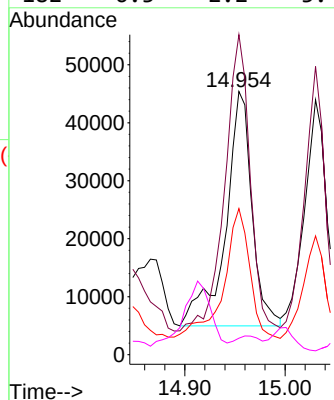
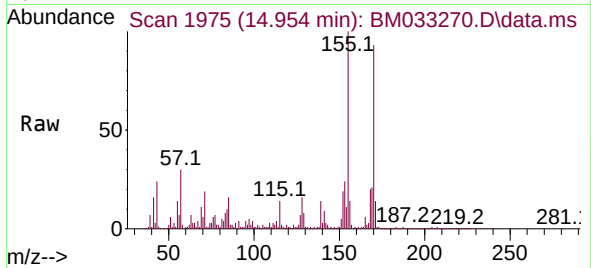




#57
2,4-Dinitrotoluene
Concen: 13.131 ng
RT: 14.954 min Scan# 1969
Delta R.T. 0.035 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

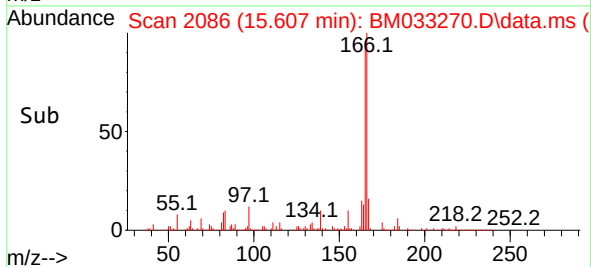
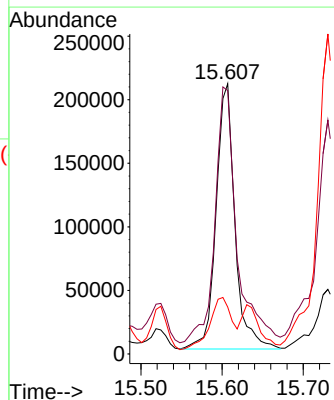
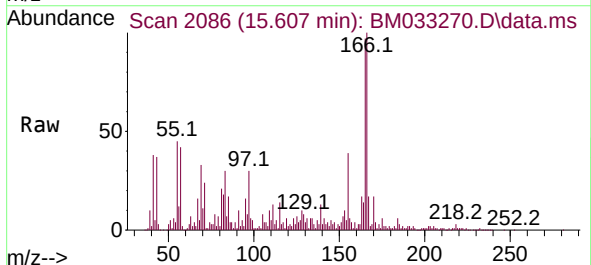
Instrument :
BNA_M
ClientSampleId :
MW-8

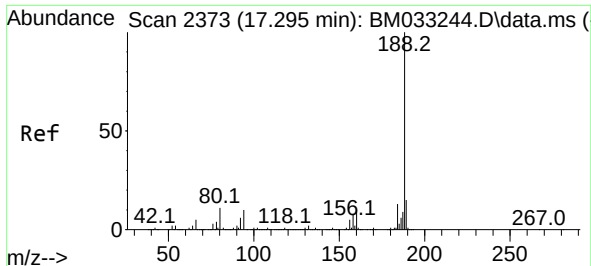
Tgt Ion:165 Resp: 74083
Ion Ratio Lower Upper
165 100
63 121.6 70.3 105.5#
89 55.5 83.1 124.7#
182 6.3 2.2 3.4#



#58
Fluorene
Concen: 15.520 ng
RT: 15.607 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

Tgt Ion:166 Resp: 337248
Ion Ratio Lower Upper
166 100
165 97.4 79.3 118.9
167 17.4 10.6 16.0#

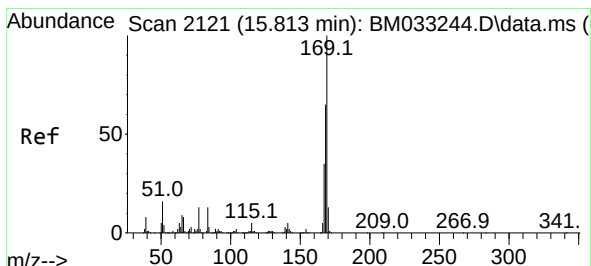
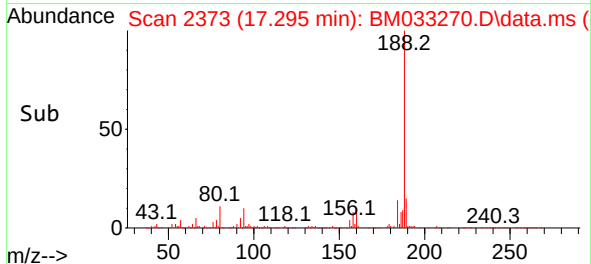
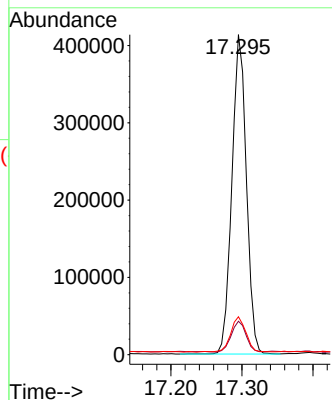
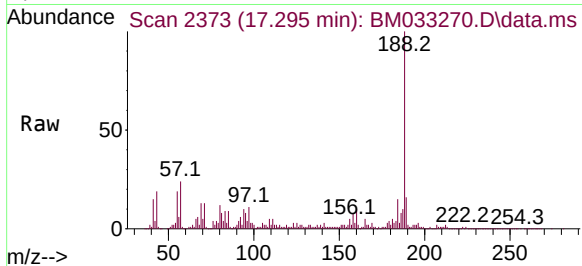




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.295 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

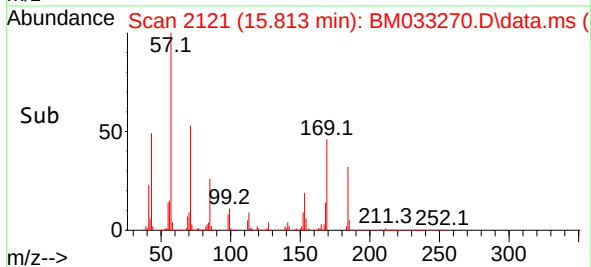
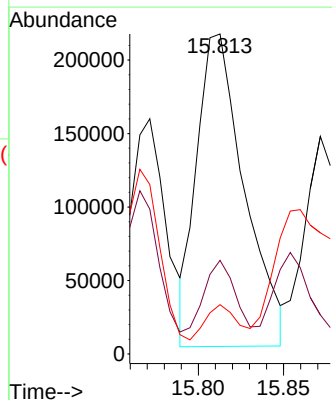
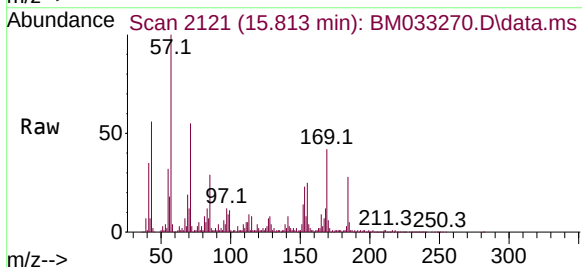
Instrument :
BNA_M
ClientSampleId :
MW-8

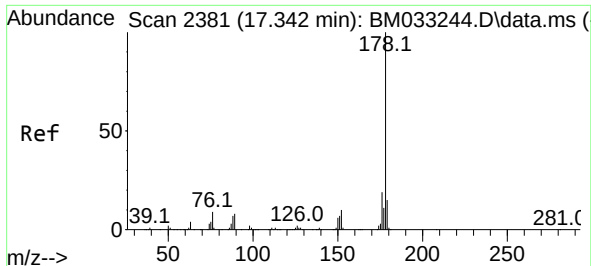
Tgt Ion:188 Resp: 585032
Ion Ratio Lower Upper
188 100
94 10.5 6.3 9.5#
80 11.9 7.3 10.9#



#66
n-Nitrosodiphenylamine
Concen: 24.014 ng
RT: 15.813 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

Tgt Ion:169 Resp: 412171
Ion Ratio Lower Upper
169 100
168 29.3 55.0 82.4#
167 15.4 29.8 44.8#

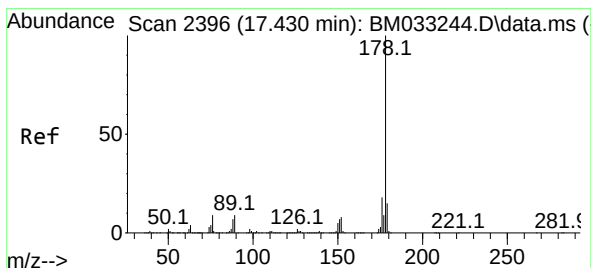
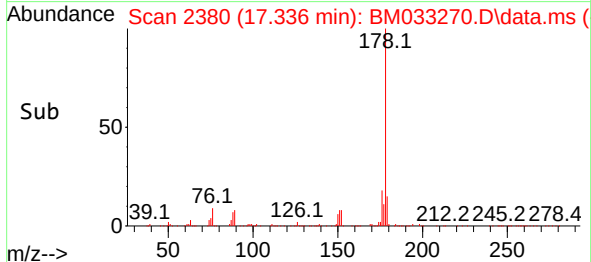
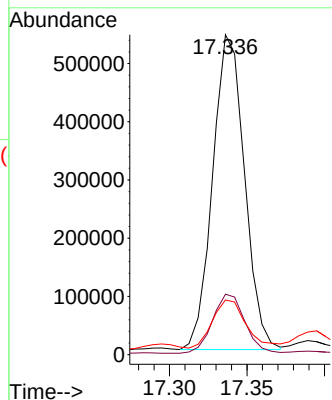
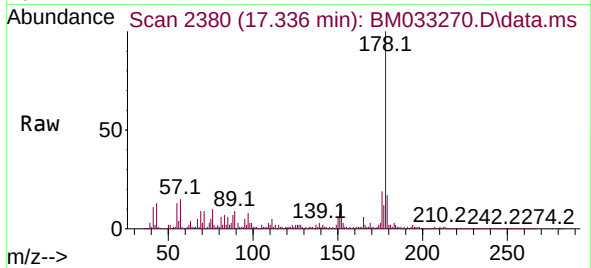




#71
Phenanthrene
Concen: 24.029 ng
RT: 17.336 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

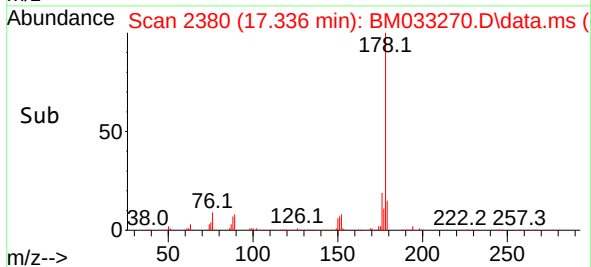
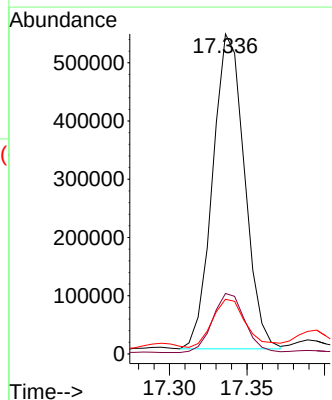
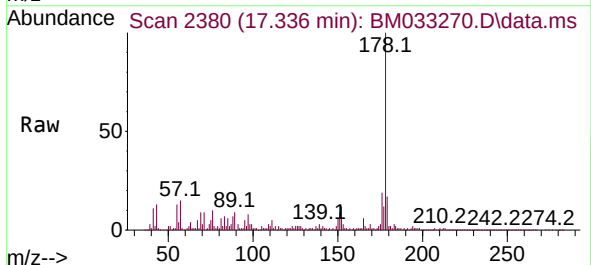
Instrument :
BNA_M
ClientSampleId :
MW-8

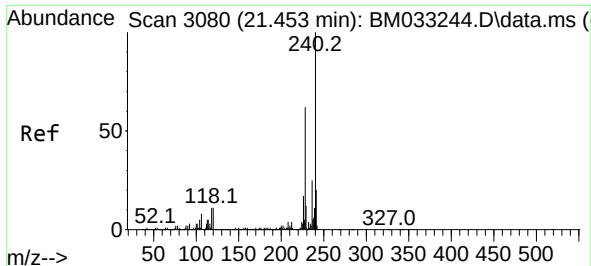
Tgt Ion:178 Resp: 772730
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 17.1 12.4 18.6



#72
Anthracene
Concen: 24.908 ng
RT: 17.336 min Scan# 2380
Delta R.T. -0.094 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

Tgt Ion:178 Resp: 772730
Ion Ratio Lower Upper
178 100
176 18.9 14.8 22.2
179 17.1 12.3 18.5

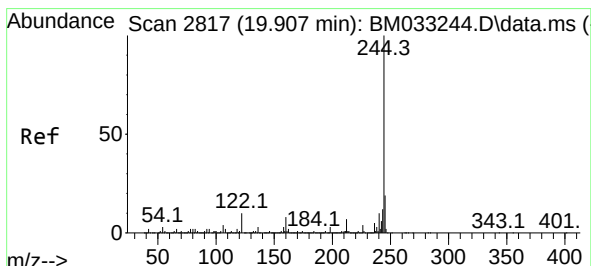
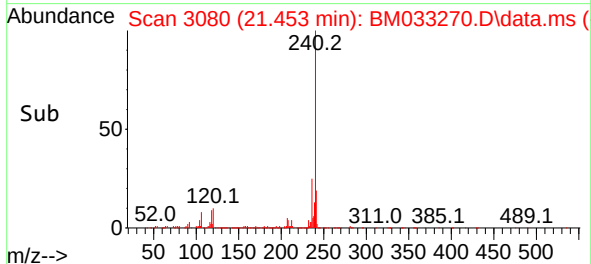
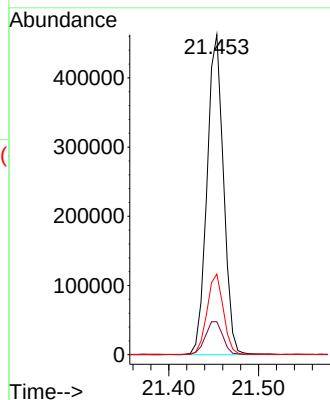
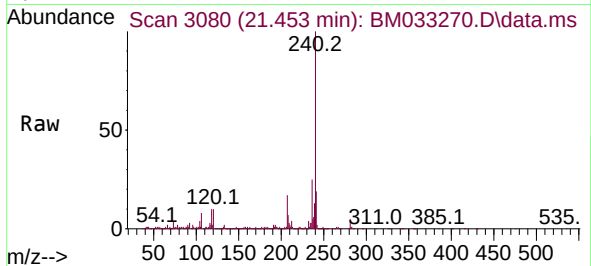




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.453 min Scan# 3080
Delta R.T. 0.000 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

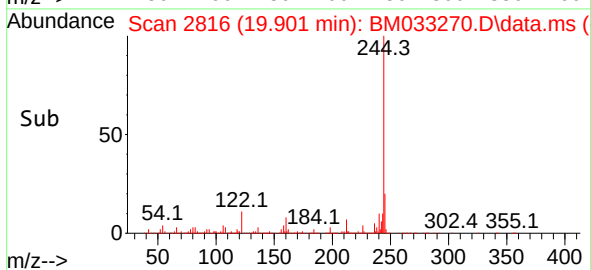
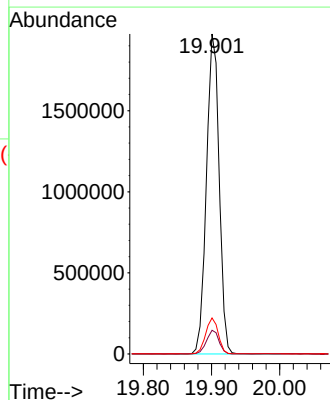
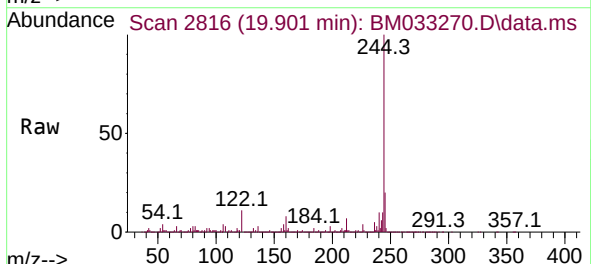
Instrument :
BNA_M
ClientSampleId :
MW-8

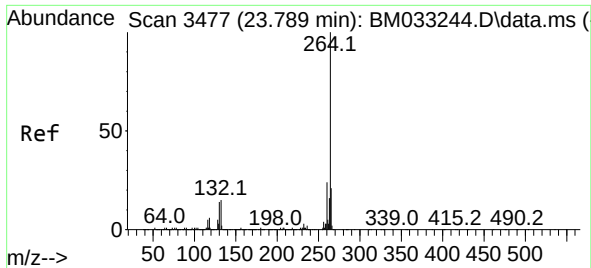
Tgt Ion:240 Resp: 590078
Ion Ratio Lower Upper
240 100
120 10.3 7.8 11.6
236 25.2 20.9 31.3



#79
Terphenyl-d14
Concen: 85.667 ng
RT: 19.901 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

Tgt Ion:244 Resp: 2556412
Ion Ratio Lower Upper
244 100
212 7.4 6.5 9.7
122 11.3 8.7 13.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.783 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM033270.D
Acq: 26 Nov 2021 18:17

Instrument :
BNA_M
ClientSampleId :
MW-8

Tgt Ion:264 Resp: 577466
Ion Ratio Lower Upper
264 100
260 23.3 19.3 28.9
265 21.7 18.3 27.5

