

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112621\
 Data File : BM033269.D
 Acq On : 26 Nov 2021 17:41
 Operator : CG/JU
 Sample : M4815-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-6

Quant Time: Nov 26 23:24:09 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)

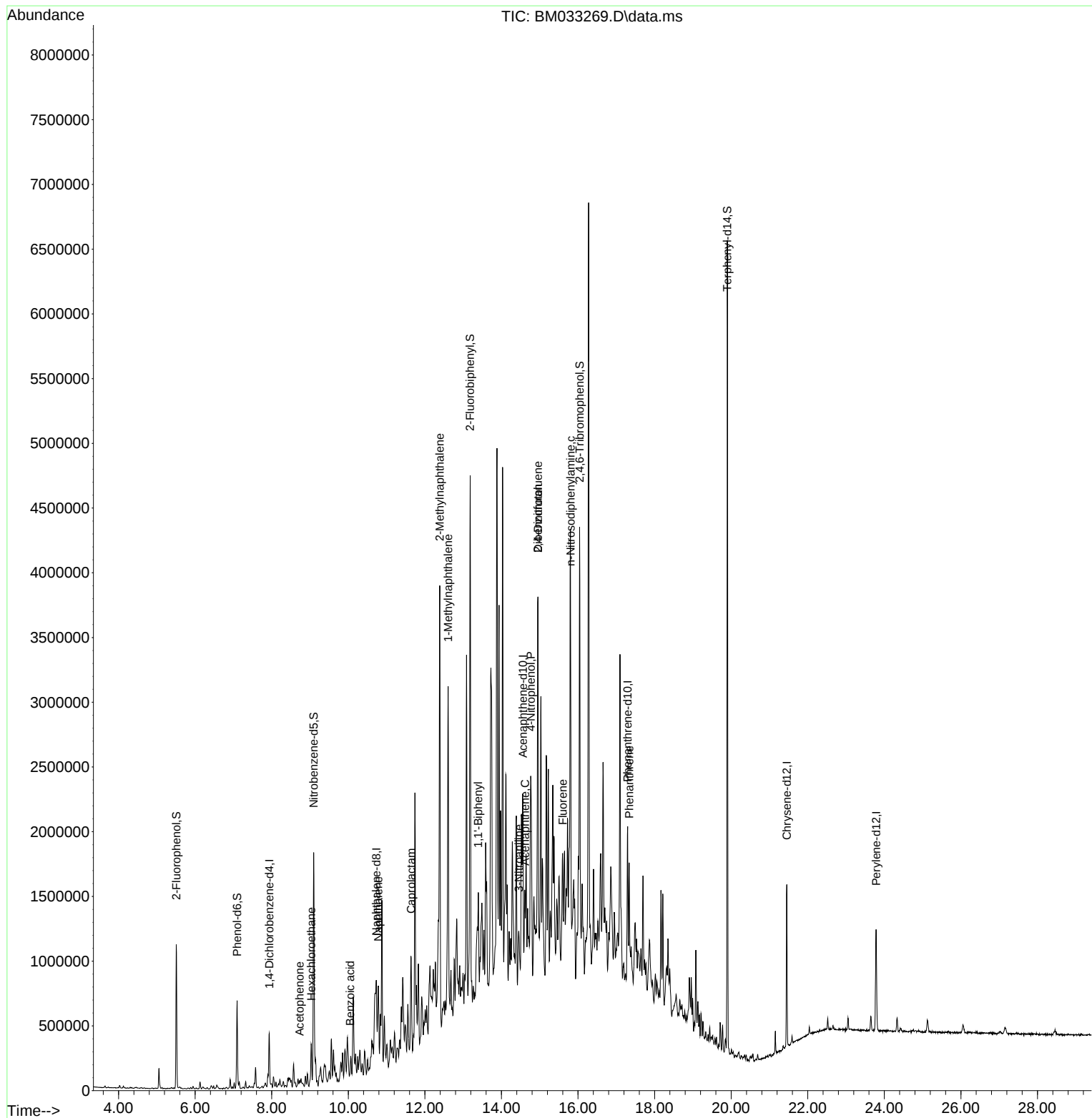
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	109727	20.000	ng	0.00
21) Naphthalene-d8	10.730	136	440260	20.000	ng	# 0.00
39) Acenaphthene-d10	14.560	164	289240	20.000	ng	0.00
64) Phenanthrene-d10	17.295	188	582301	20.000	ng	# 0.00
76) Chrysene-d12	21.453	240	591154	20.000	ng	0.00
86) Perylene-d12	23.788	264	578477	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.507	112	428191	64.442	ng	0.00
7) Phenol-d6	7.095	99	334572	37.597	ng	0.00
23) Nitrobenzene-d5	9.095	82	993249	104.733	ng	0.00
42) 2,4,6-Tribromophenol	16.042	330	452544	143.529	ng	0.00
45) 2-Fluorobiphenyl	13.183	172	2042641	99.597	ng	0.00
79) Terphenyl-d14	19.901	244	2776534	92.874	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.078	77	4880	Below Cal	#	1
18) Hexachloroethane	9.037	117	30981	10.261	ng	# 1
22) Acetophenone	8.731	105	31423	2.773	ng	# 53
31) Naphthalene	10.783	128	265722	11.442	ng	# 93
32) Benzoic acid	10.048	122	578	5.354	ng	# 1
35) Caprolactam	11.642	113	5582	4.424	ng	# 1
37) 2-Methylnaphthalene	12.389	142	1618855	102.389	ng	96
38) 1-Methylnaphthalene	12.607	142	1086701	70.449	ng	99
46) 1,1'-Biphenyl	13.395	154	75495	3.471	ng	96
52) Acenaphthene	14.618	154	95607	5.995	ng	95
53) 3-Nitroaniline	14.460	138	8841	2.016	ng	# 22
55) Dibenzofuran	14.954	168	113106	4.265	ng	# 1
56) 4-Nitrophenol	14.766	139	71020	20.206	ng	# 27
57) 2,4-Dinitrotoluene	14.954	165	44653	8.283	ng	# 57
58) Fluorene	15.601	166	170111	8.193	ng	# 96
66) n-Nitrosodiphenylamine	15.807	169	286376	16.763	ng	# 49
71) Phenanthrene	17.336	178	455571	14.233	ng	# 96

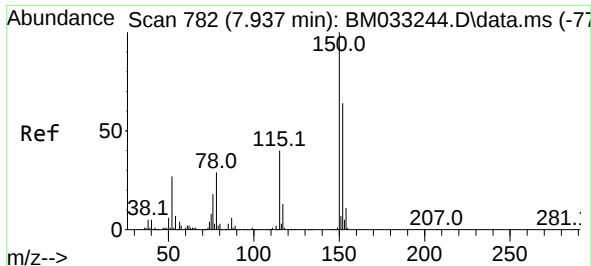
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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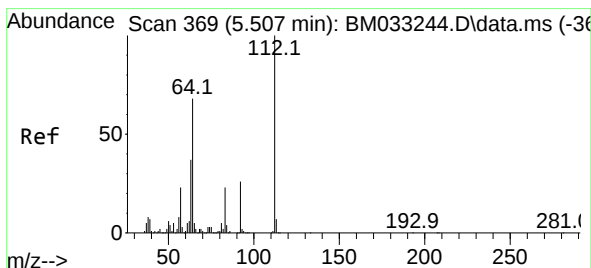
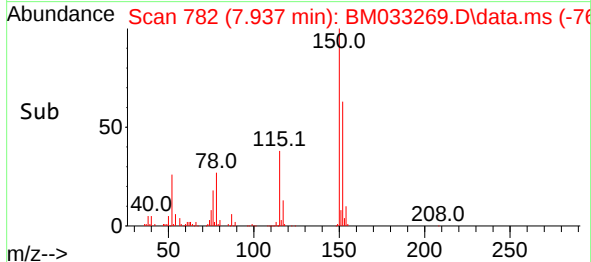
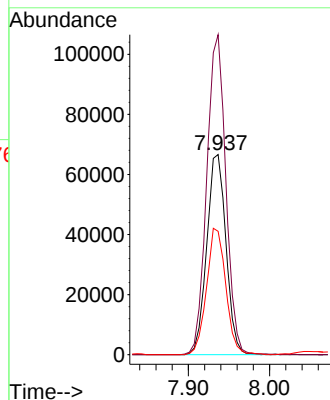
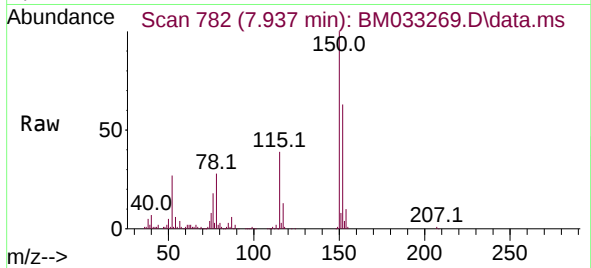




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 782
Delta R.T. -0.000 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

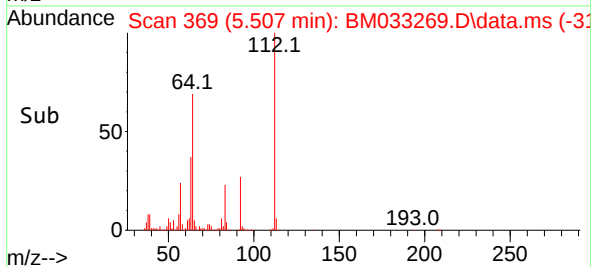
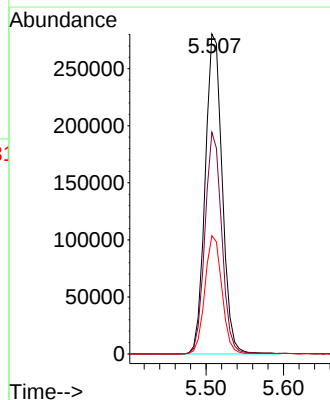
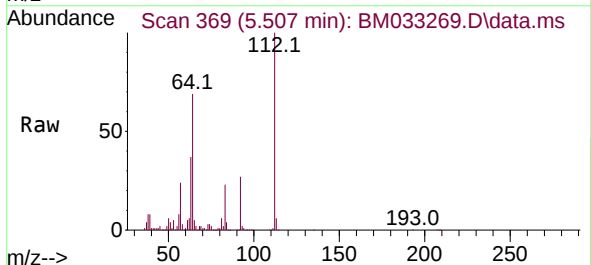
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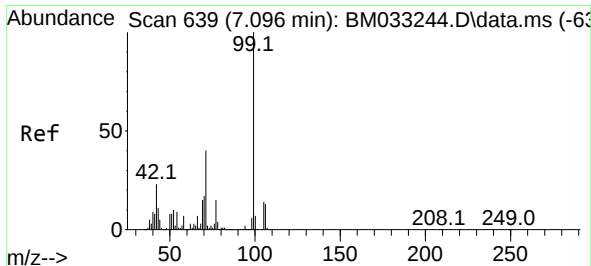
Tgt Ion:152 Resp: 109727
Ion Ratio Lower Upper
152 100
150 159.8 122.4 183.6
115 61.6 53.8 80.8



#5
2-Fluorophenol
Concen: 64.442 ng
RT: 5.507 min Scan# 369
Delta R.T. -0.000 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

Tgt Ion:112 Resp: 428191
Ion Ratio Lower Upper
112 100
64 69.2 53.7 80.5
63 37.0 33.9 50.9

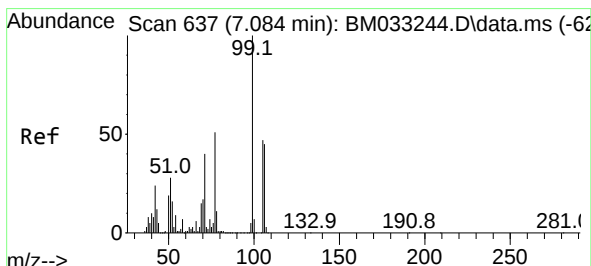
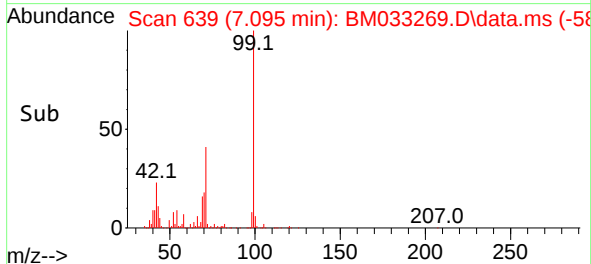
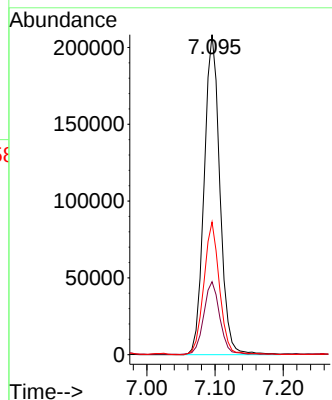
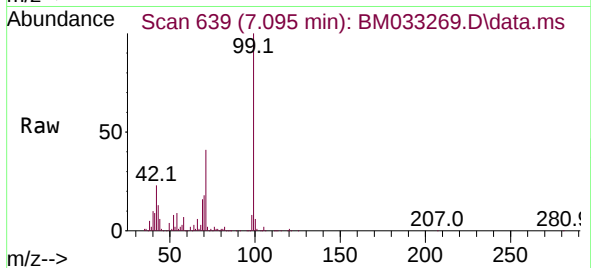




#7
Phenol-d6
Concen: 37.597 ng
RT: 7.095 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

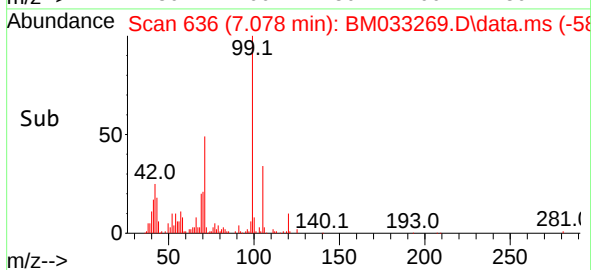
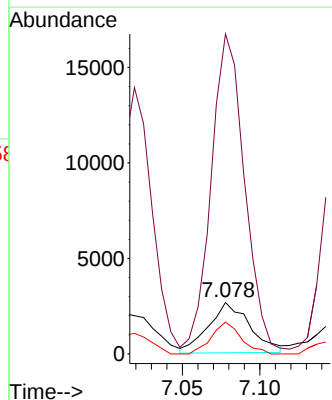
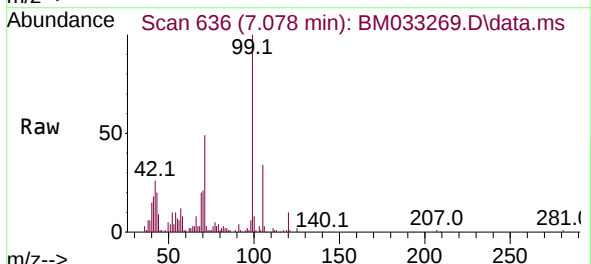
Instrument :
BNA_M
ClientSampleId :
MW-6

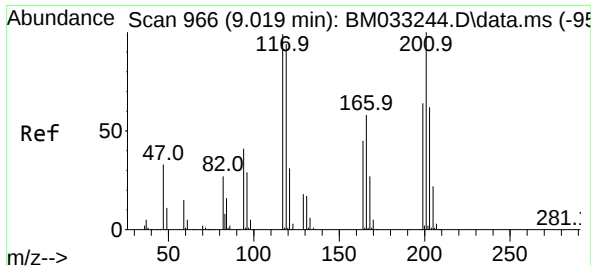
Tgt Ion: 99 Resp: 334572
Ion Ratio Lower Upper
99 100
42 22.8 23.0 34.6#
71 41.5 37.8 56.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.078 min Scan# 636
Delta R.T. -0.006 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

Tgt Ion: 77 Resp: 4880
Ion Ratio Lower Upper
77 100
105 621.1 68.9 108.9#
106 61.9 61.2 101.2

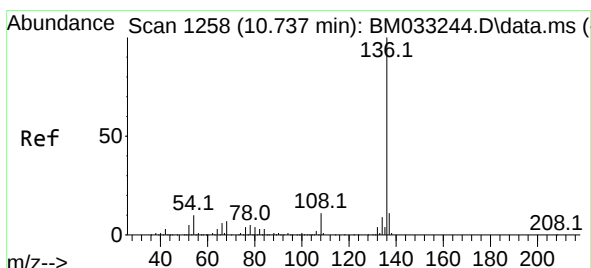
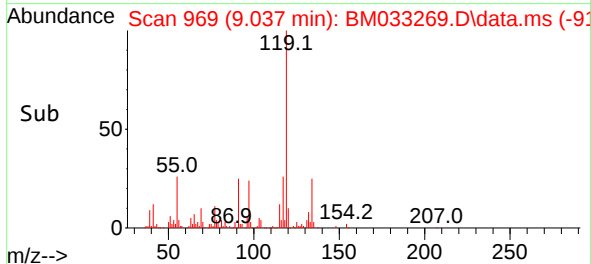
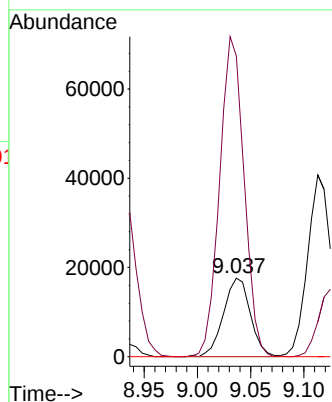
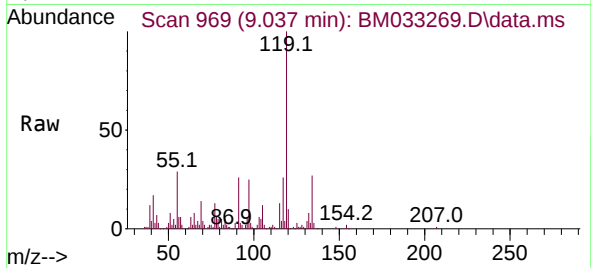




#18
Hexachloroethane
Concen: 10.261 ng
RT: 9.037 min Scan# 90
Delta R.T. 0.018 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

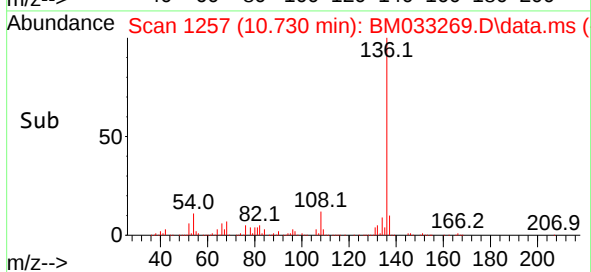
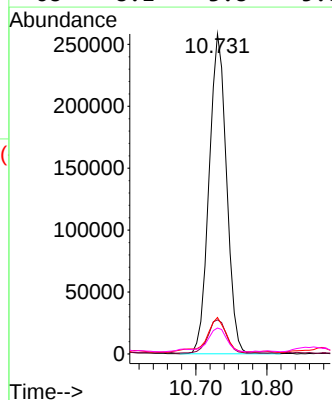
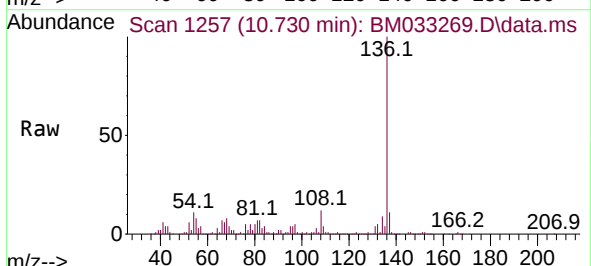
Instrument :
BNA_M
ClientSampleId :
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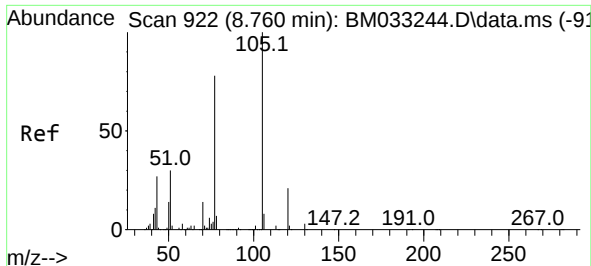
Tgt Ion:117 Resp: 30981
Ion Ratio Lower Upper
117 100
119 382.4 77.7 116.5#
201 0.0 70.2 105.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.730 min Scan# 1257
Delta R.T. -0.007 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

Tgt Ion:136 Resp: 440260
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 11.4 7.4 11.0#
68 8.1 3.8 5.8#

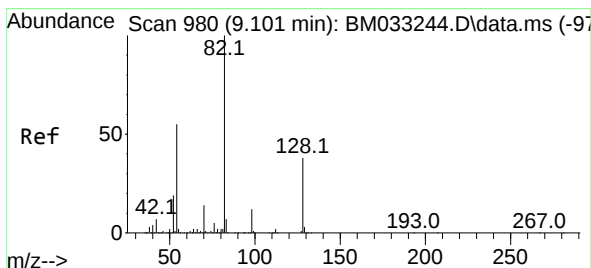
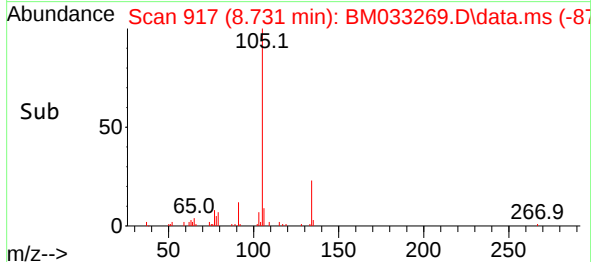
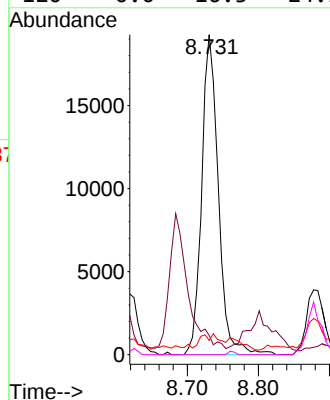
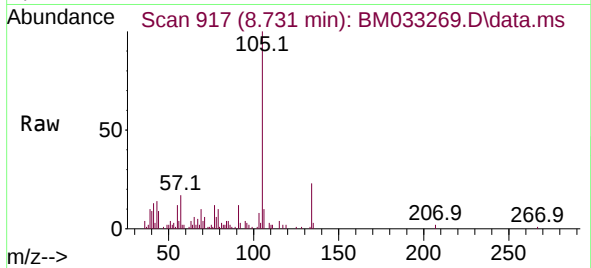




#22
 Acetophenone
 Concen: 2.773 ng
 RT: 8.731 min Scan# 917
 Delta R.T. -0.030 min
 Lab File: BM033269.D
 Acq: 26 Nov 2021 17:41

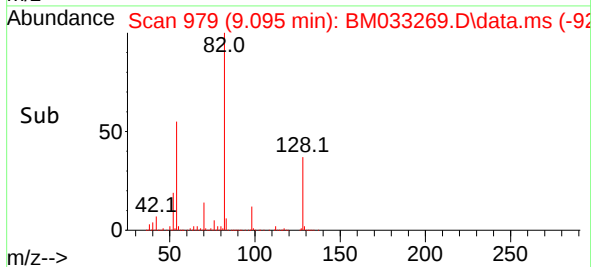
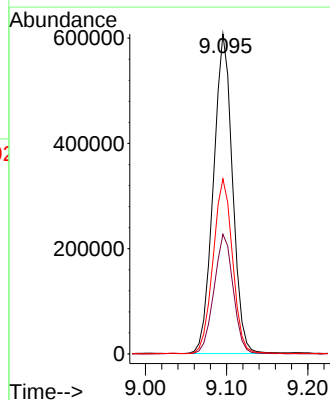
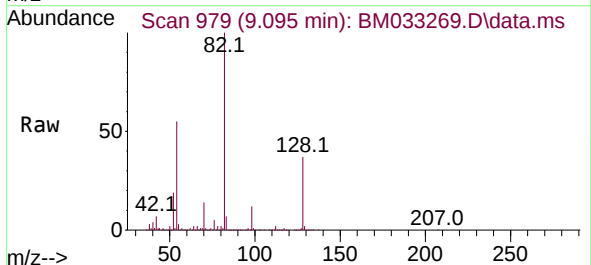
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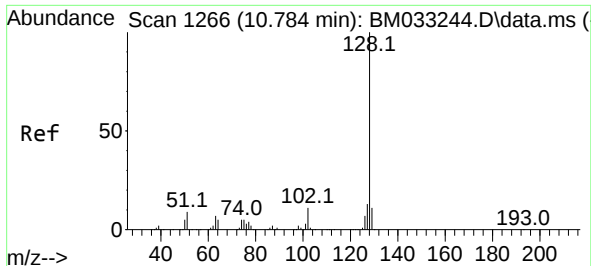
Tgt Ion: 105 Resp: 31423
 Ion Ratio Lower Upper
 105 100
 71 6.0 3.8 5.6#
 51 4.5 29.5 44.3#
 120 0.0 16.3 24.5#



#23
 Nitrobenzene-d5
 Concen: 104.733 ng
 RT: 9.095 min Scan# 979
 Delta R.T. -0.006 min
 Lab File: BM033269.D
 Acq: 26 Nov 2021 17:41

Tgt Ion: 82 Resp: 993249
 Ion Ratio Lower Upper
 82 100
 128 37.4 29.0 43.6
 54 54.7 45.8 68.8

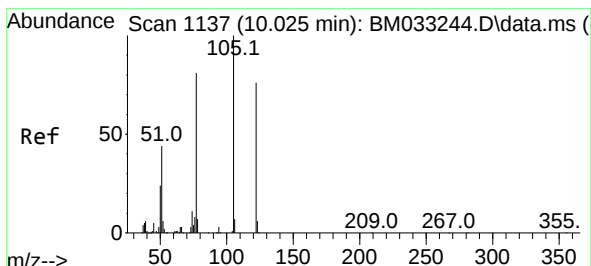
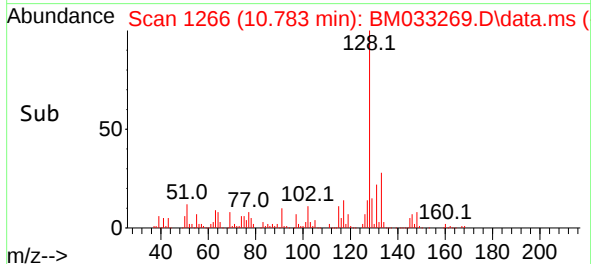
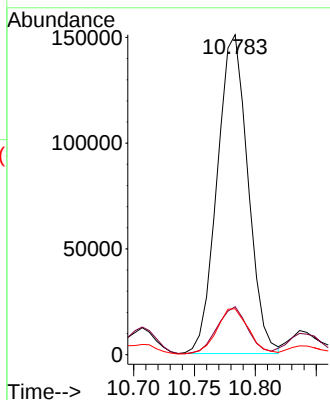
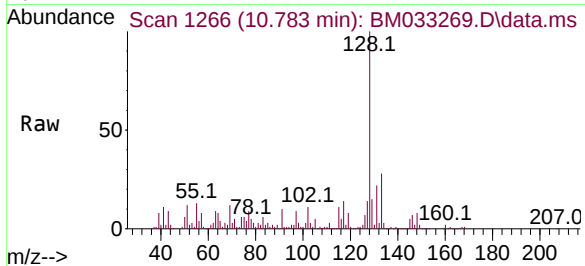




#31
Naphthalene
Concen: 11.442 ng
RT: 10.783 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

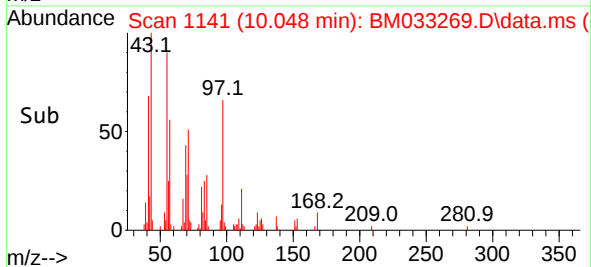
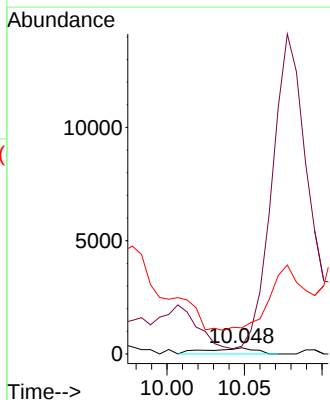
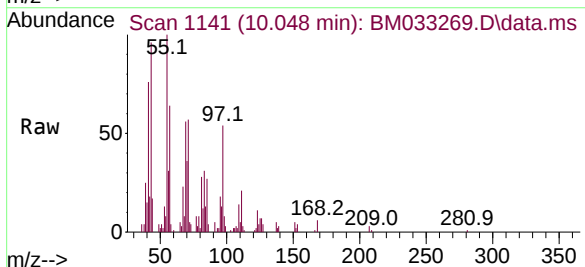
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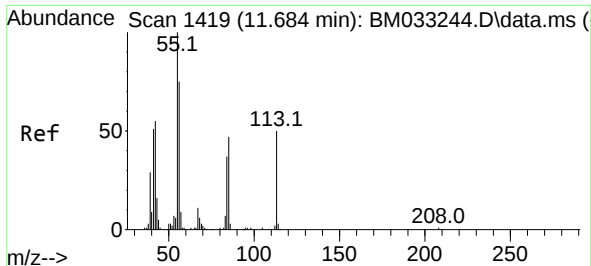
Tgt Ion:128 Resp: 265722
Ion Ratio Lower Upper
128 100
129 15.0 8.6 13.0#
127 14.4 10.4 15.6



#32
Benzoic acid
Concen: 5.354 ng
RT: 10.048 min Scan# 1141
Delta R.T. 0.023 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

Tgt Ion:122 Resp: 578
Ion Ratio Lower Upper
122 100
105 122.4 120.3 160.3
77 414.8 100.0 140.0#

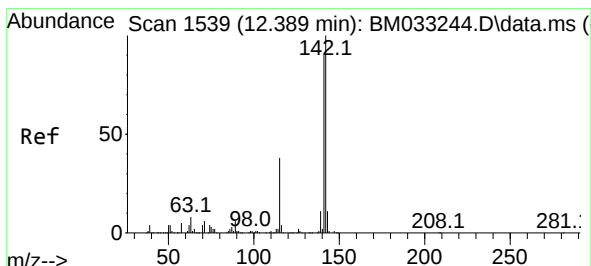
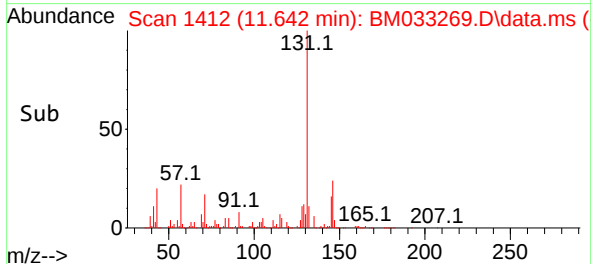
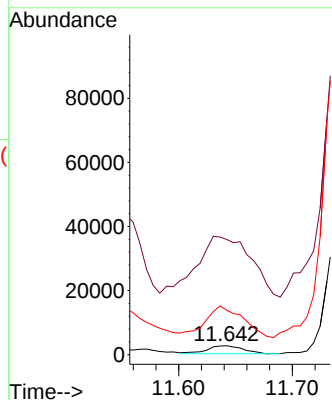
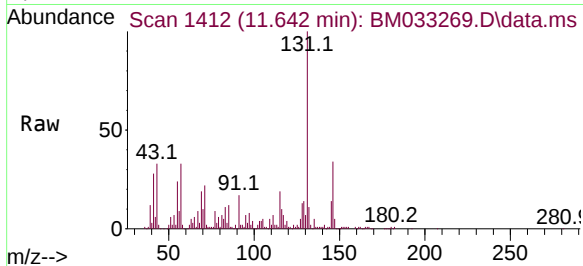




#35
Caprolactam
Concen: 4.424 ng
RT: 11.642 min Scan# 1419
Delta R.T. -0.041 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

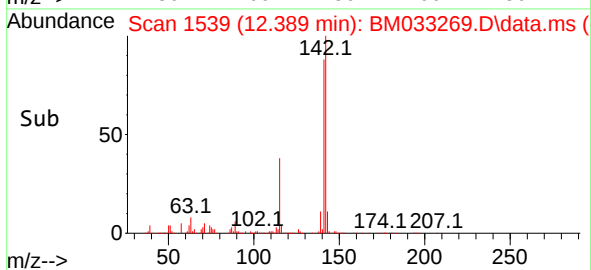
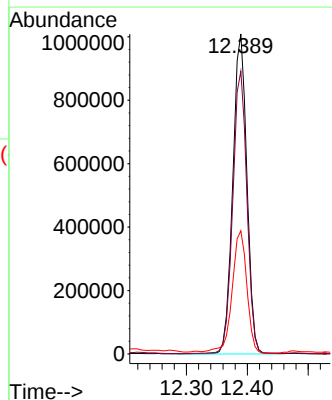
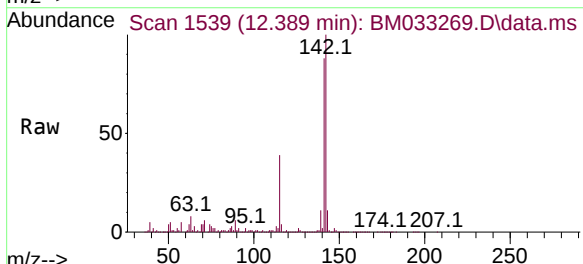
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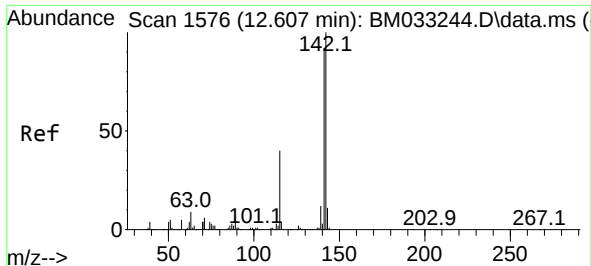
Tgt Ion:113 Resp: 5582
Ion Ratio Lower Upper
113 100
55 1291.1 170.5 210.5#
56 499.4 125.2 165.2#



#37
2-Methylnaphthalene
Concen: 102.389 ng
RT: 12.389 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

Tgt Ion:142 Resp: 1618855
Ion Ratio Lower Upper
142 100
141 88.4 71.8 107.6
115 38.5 36.3 54.5

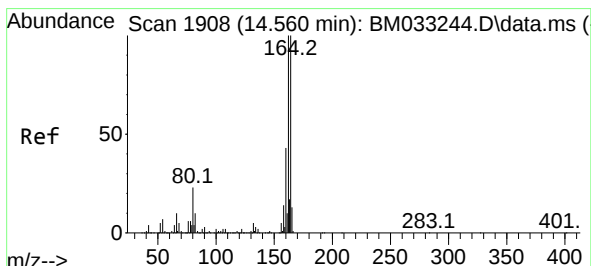
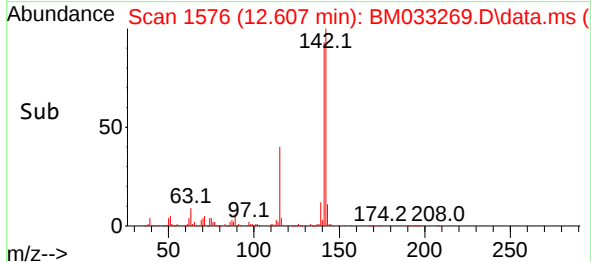
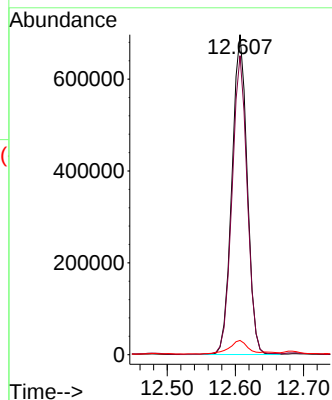
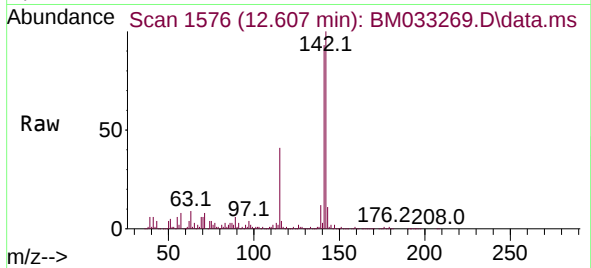




#38
1-Methylnaphthalene
Concen: 70.449 ng
RT: 12.607 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

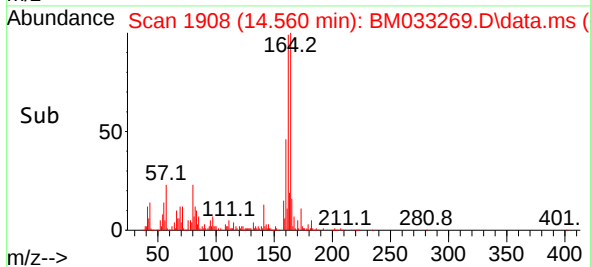
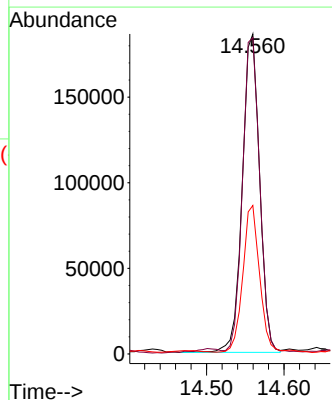
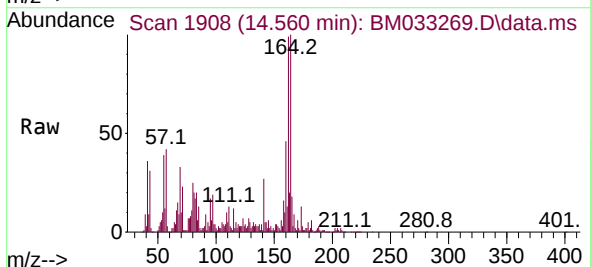
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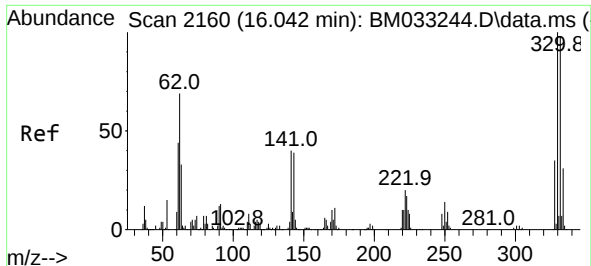
Tgt Ion:142 Resp: 1086701
Ion Ratio Lower Upper
142 100
141 93.5 75.6 113.4
116 4.4 4.0 6.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.560 min Scan# 1908
Delta R.T. -0.000 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

Tgt Ion:164 Resp: 289240
Ion Ratio Lower Upper
164 100
162 98.8 80.6 121.0
160 46.4 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 143.529 ng

RT: 16.042 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM033269.D

Acq: 26 Nov 2021 17:41

Instrument :

BNA_M

ClientSampleId :

MW-6

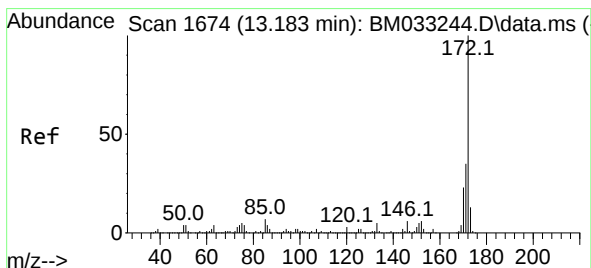
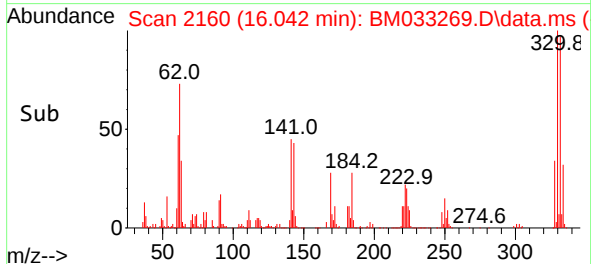
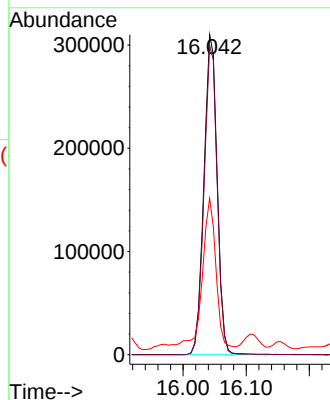
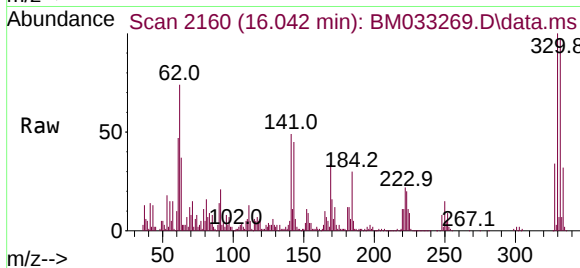
Tgt Ion:330 Resp: 452544

Ion Ratio Lower Upper

330 100

332 96.0 75.7 113.5

141 45.7 50.7 76.1#



#45

2-Fluorobiphenyl

Concen: 99.597 ng

RT: 13.183 min Scan# 1674

Delta R.T. -0.000 min

Lab File: BM033269.D

Acq: 26 Nov 2021 17:41

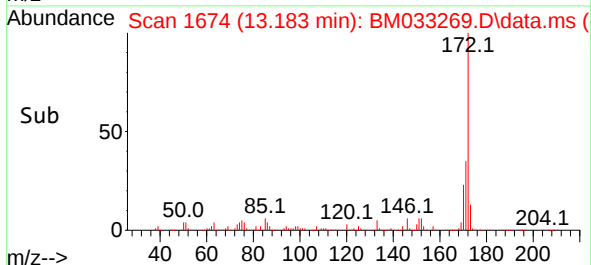
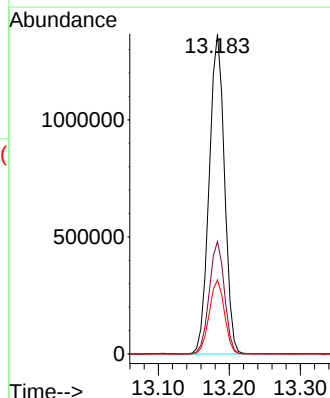
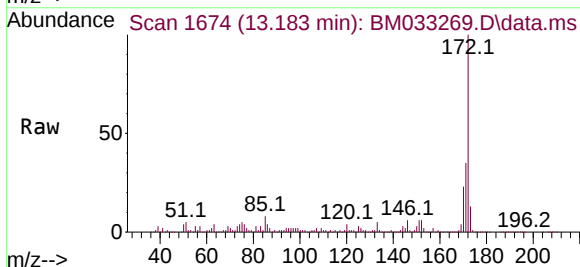
Tgt Ion:172 Resp: 2042641

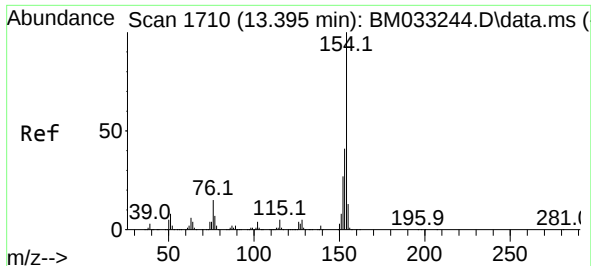
Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

170 23.2 18.6 27.8

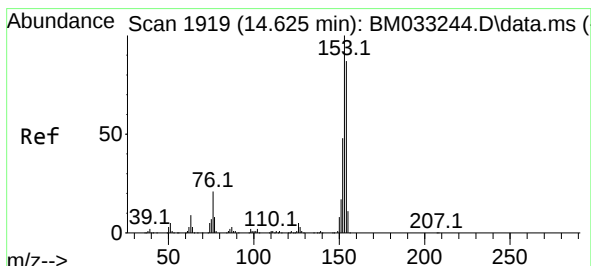
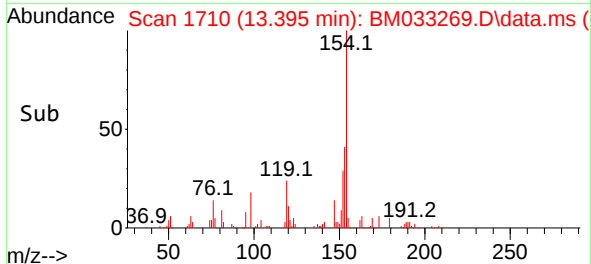
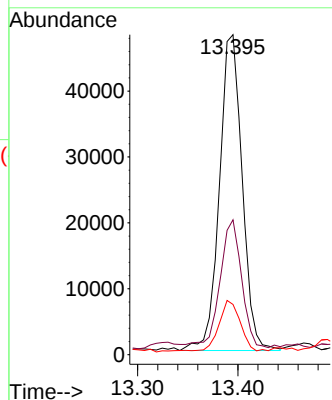
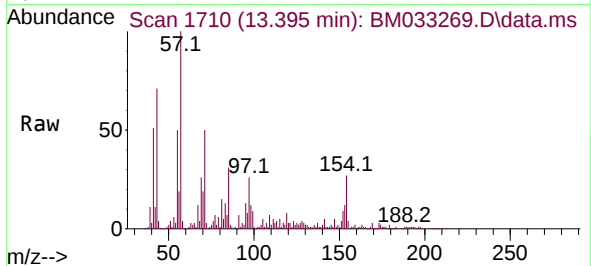




#46
1,1'-Biphenyl
Concen: 3.471 ng
RT: 13.395 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

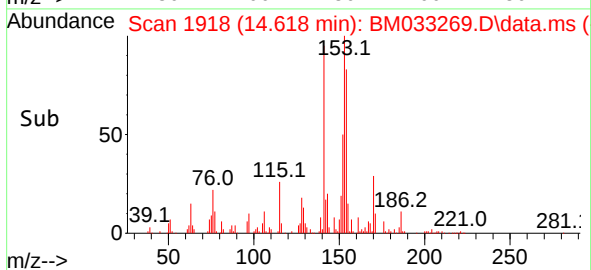
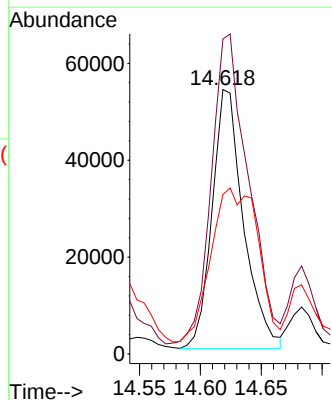
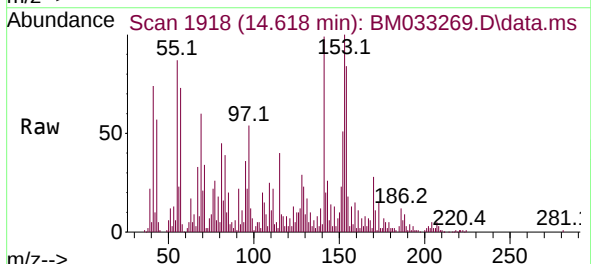
Instrument :
BNA_M
ClientSampleId :
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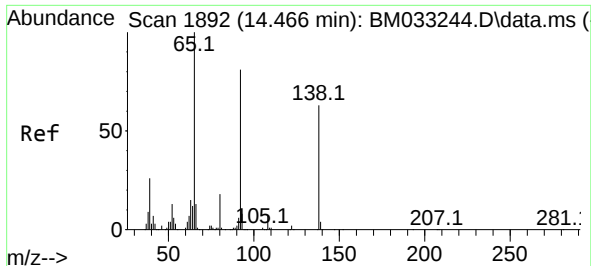
Tgt Ion:154 Resp: 75495
Ion Ratio Lower Upper
154 100
153 42.2 20.3 60.3
76 15.7 0.0 33.5



#52
Acenaphthene
Concen: 5.995 ng
RT: 14.618 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

Tgt Ion:154 Resp: 95607
Ion Ratio Lower Upper
154 100
153 119.1 92.4 138.6
152 60.2 43.7 65.5

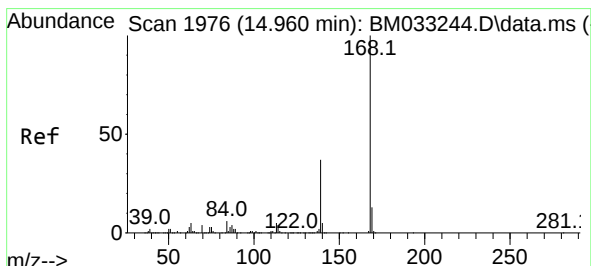
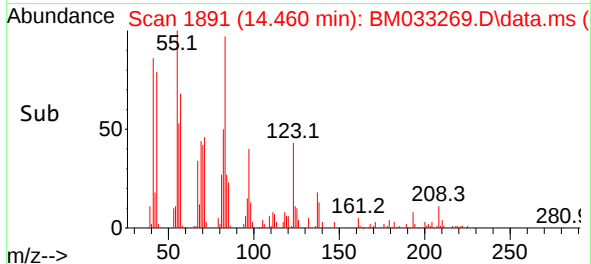
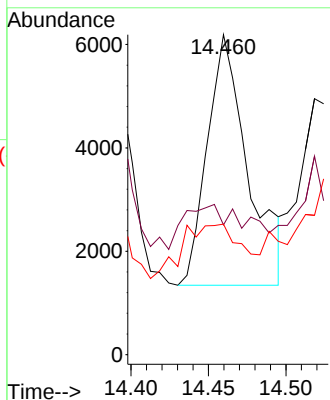
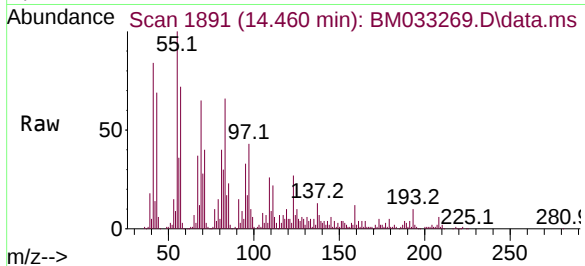




#53
3-Nitroaniline
Concen: 2.016 ng
RT: 14.460 min Scan# 1892
Delta R.T. -0.006 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

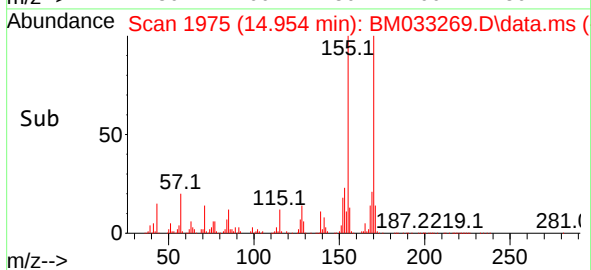
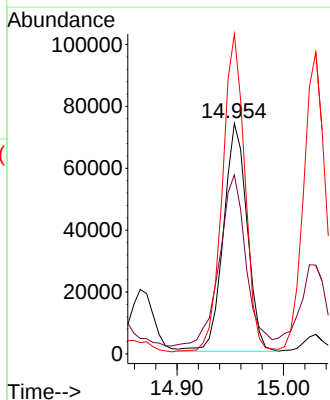
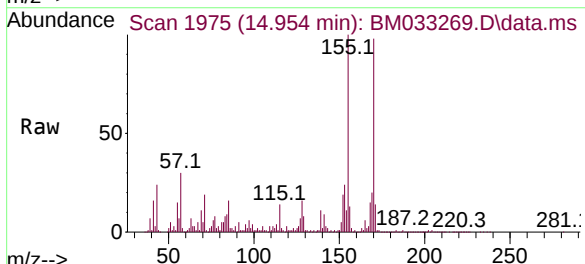
Instrument :
BNA_M
ClientSampleId :
MW-6

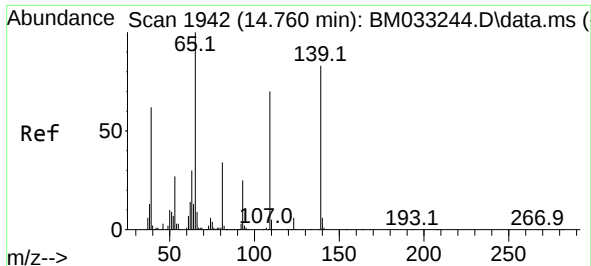
Tgt Ion:138 Resp: 8841
Ion Ratio Lower Upper
138 100
108 40.5 8.3 12.5#
92 40.8 105.2 157.8#



#55
Dibenzofuran
Concen: 4.265 ng
RT: 14.954 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

Tgt Ion:168 Resp: 113106
Ion Ratio Lower Upper
168 100
139 77.7 35.0 52.4#
169 138.8 10.8 16.2#

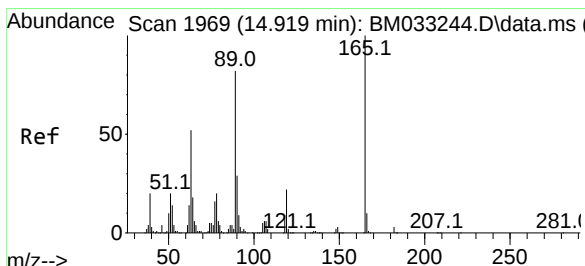
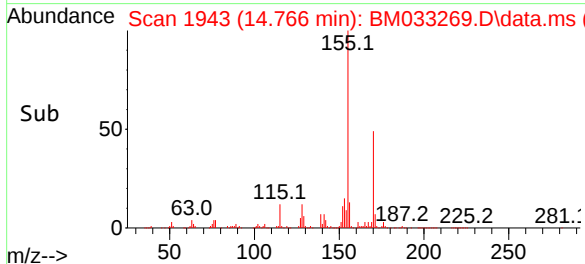
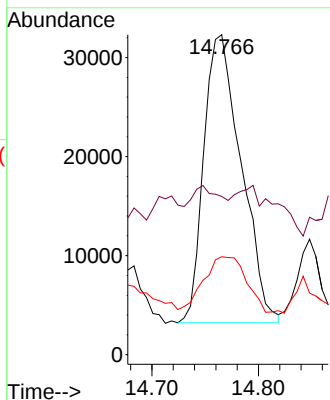
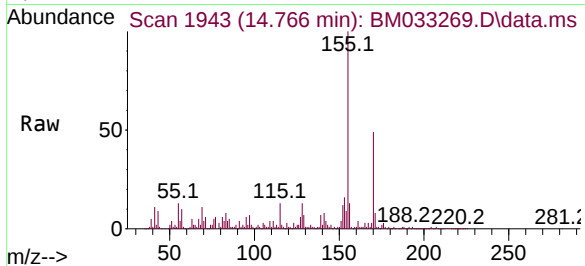




#56
4-Nitrophenol
Concen: 20.206 ng
RT: 14.766 min Scan# 1942
Delta R.T. 0.006 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

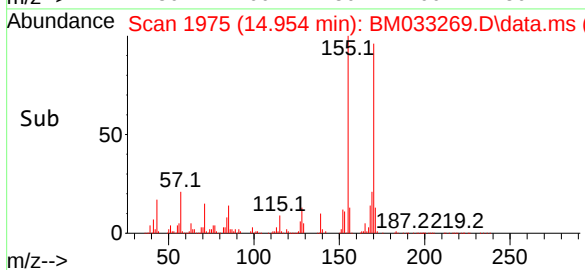
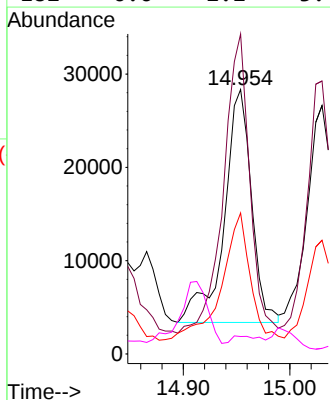
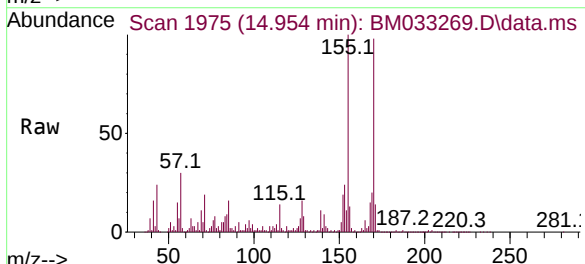
Instrument :
BNA_M
ClientSampleId :
MW-6

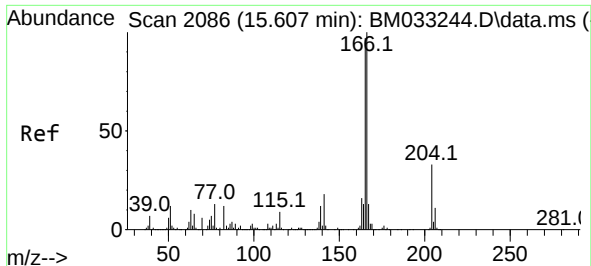
Tgt Ion:139 Resp: 71020
Ion Ratio Lower Upper
139 100
109 49.5 92.3 132.3#
65 30.6 110.5 150.5#



#57
2,4-Dinitrotoluene
Concen: 8.283 ng
RT: 14.954 min Scan# 1975
Delta R.T. 0.035 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

Tgt Ion:165 Resp: 44653
Ion Ratio Lower Upper
165 100
63 121.0 70.3 105.5#
89 53.3 83.1 124.7#
182 6.6 2.2 3.4#

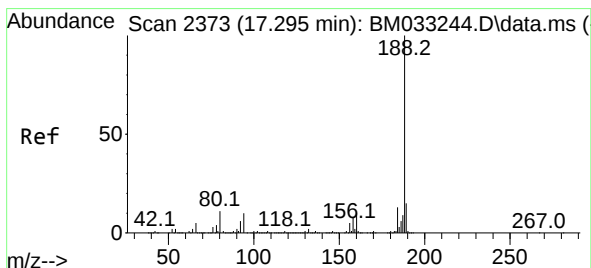
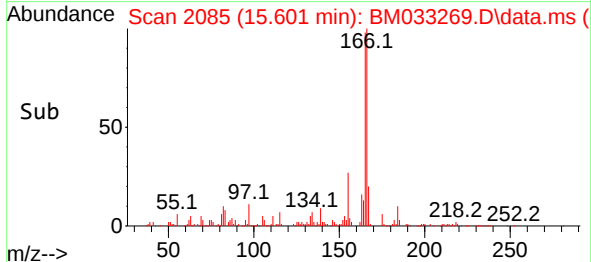
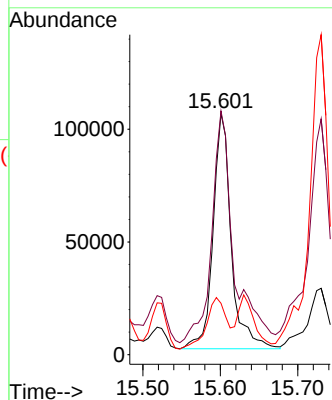
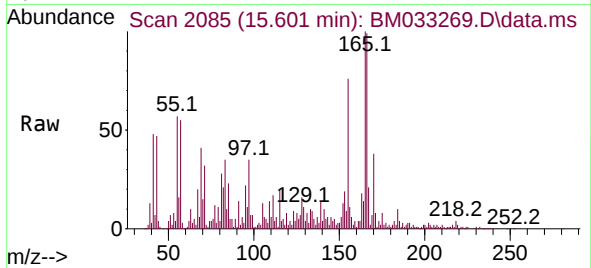




#58
Fluorene
Concen: 8.193 ng
RT: 15.601 min Scan# 2086
Delta R.T. -0.006 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

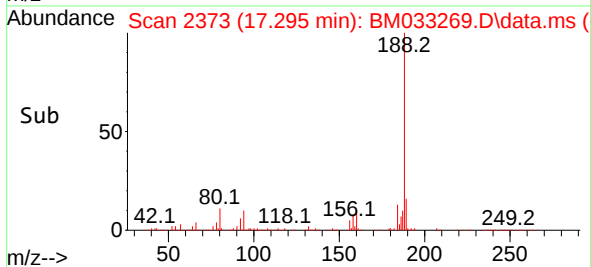
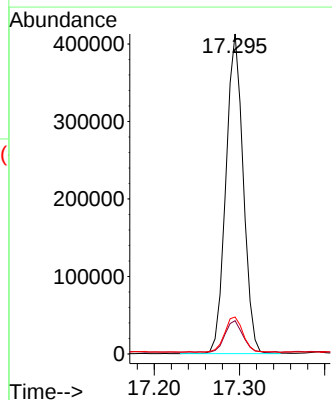
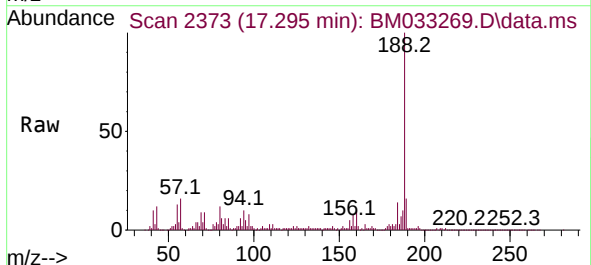
Instrument :
BNA_M
ClientSampleId :
MW-6

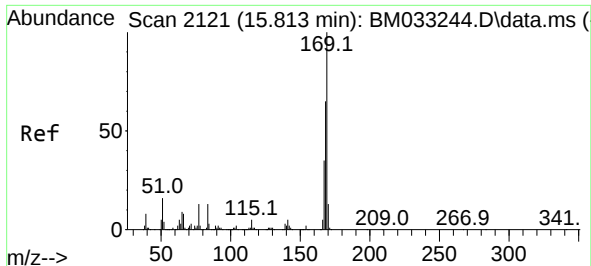
Tgt Ion:166 Resp: 170111
Ion Ratio Lower Upper
166 100
165 101.0 79.3 118.9
167 21.3 10.6 16.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.295 min Scan# 2373
Delta R.T. -0.000 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

Tgt Ion:188 Resp: 582301
Ion Ratio Lower Upper
188 100
94 10.4 6.3 9.5#
80 11.6 7.3 10.9#

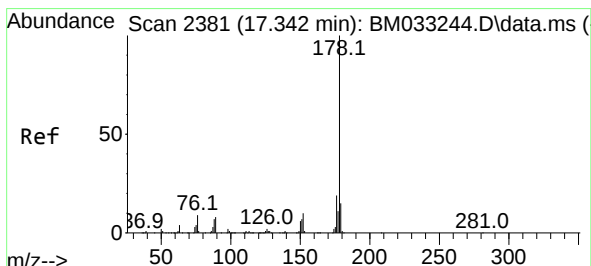
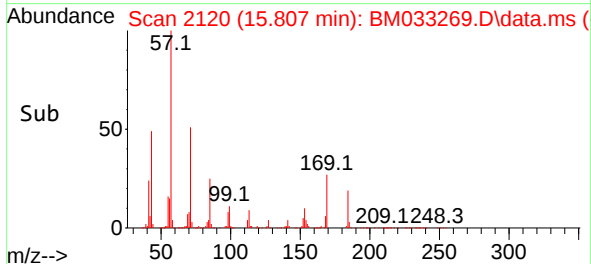
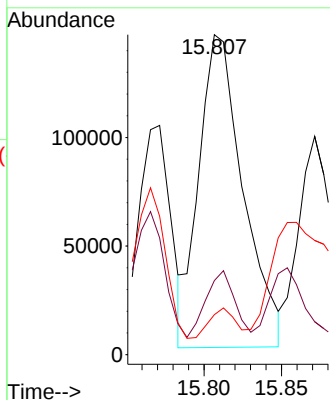
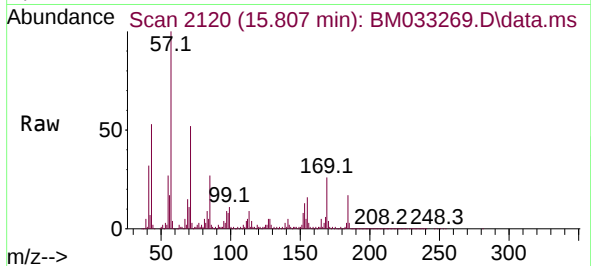




#66
n-Nitrosodiphenylamine
Concen: 16.763 ng
RT: 15.807 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

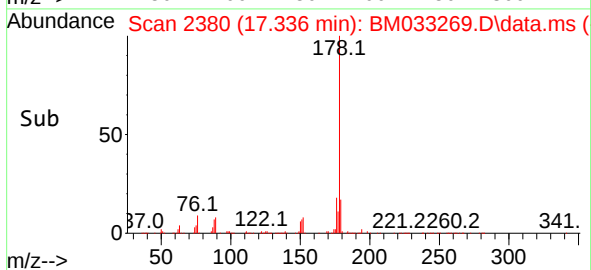
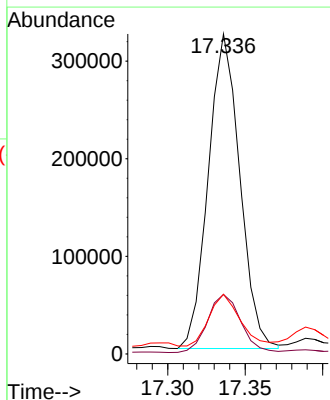
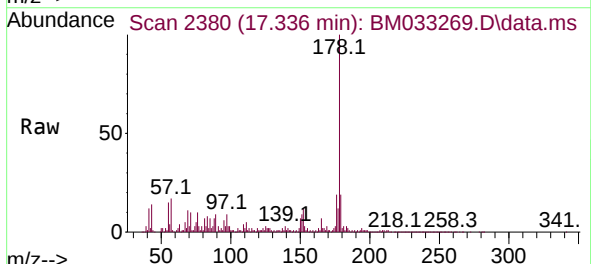
Instrument :
BNA_M
ClientSampleId :
MW-6

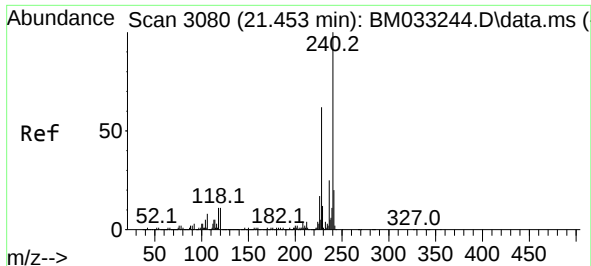
Tgt Ion:169 Resp: 286376
Ion Ratio Lower Upper
169 100
168 23.1 55.0 82.4#
167 12.5 29.8 44.8#



#71
Phenanthrene
Concen: 14.233 ng
RT: 17.336 min Scan# 2380
Delta R.T. -0.006 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

Tgt Ion:178 Resp: 455571
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 18.7 12.4 18.6#

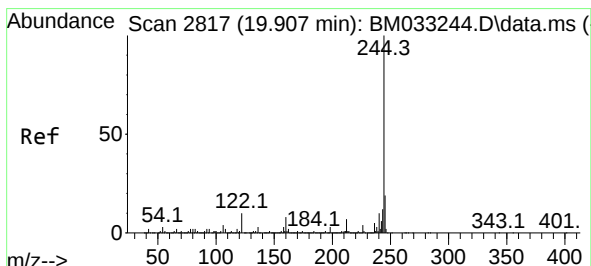
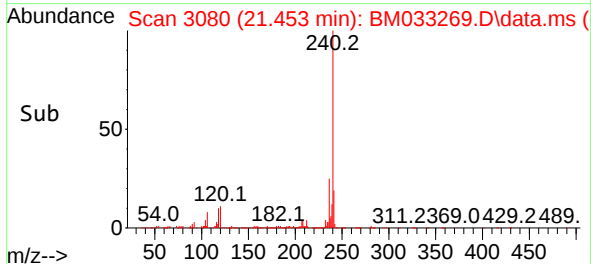
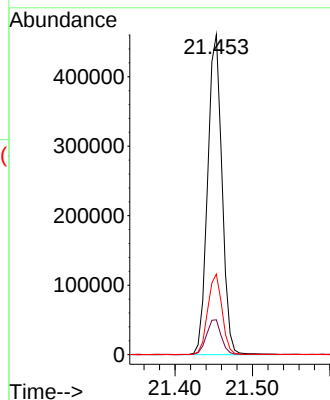
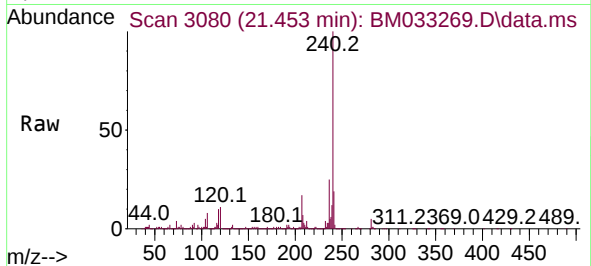




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.453 min Scan# 3080
Delta R.T. -0.000 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

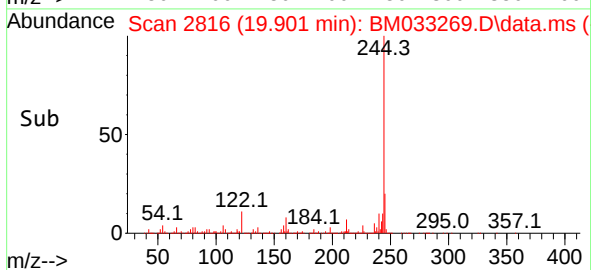
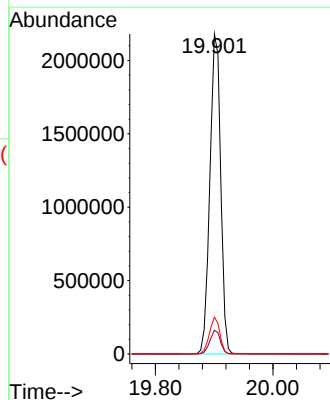
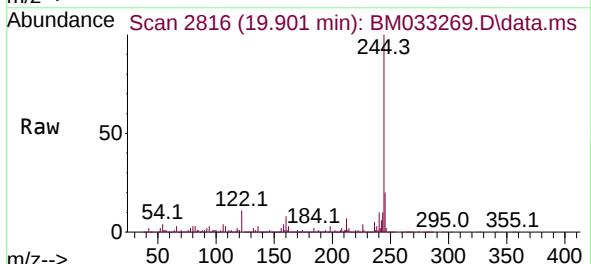
Instrument :
BNA_M
ClientSampleId :
MW-6

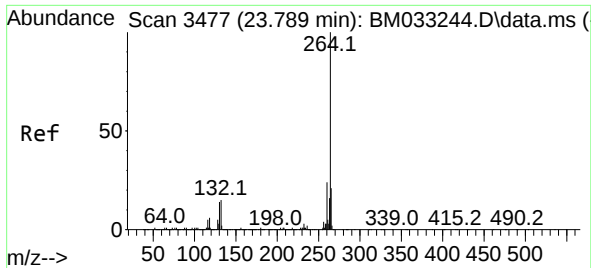
Tgt Ion:240 Resp: 591154
Ion Ratio Lower Upper
240 100
120 10.9 7.8 11.6
236 25.2 20.9 31.3



#79
Terphenyl-d14
Concen: 92.874 ng
RT: 19.901 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BM033269.D
Acq: 26 Nov 2021 17:41

Tgt Ion:244 Resp: 2776534
Ion Ratio Lower Upper
244 100
212 7.4 6.5 9.7
122 11.5 8.7 13.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.788 min Scan# 34
 Delta R.T. -0.000 min
 Lab File: BM033269.D
 Acq: 26 Nov 2021 17:41

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion:264	Resp: 578477
Ion Ratio	Lower Upper
264	100
260	23.2 19.3 28.9
265	20.8 18.3 27.5

