

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120821\
 Data File : BM033346.D
 Acq On : 08 Dec 2021 16:48
 Operator : CG/JU
 Sample : PB141259TB
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 09 07:21:21 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM120821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 09 07:11:07 2021
 Response via : Initial Calibration

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

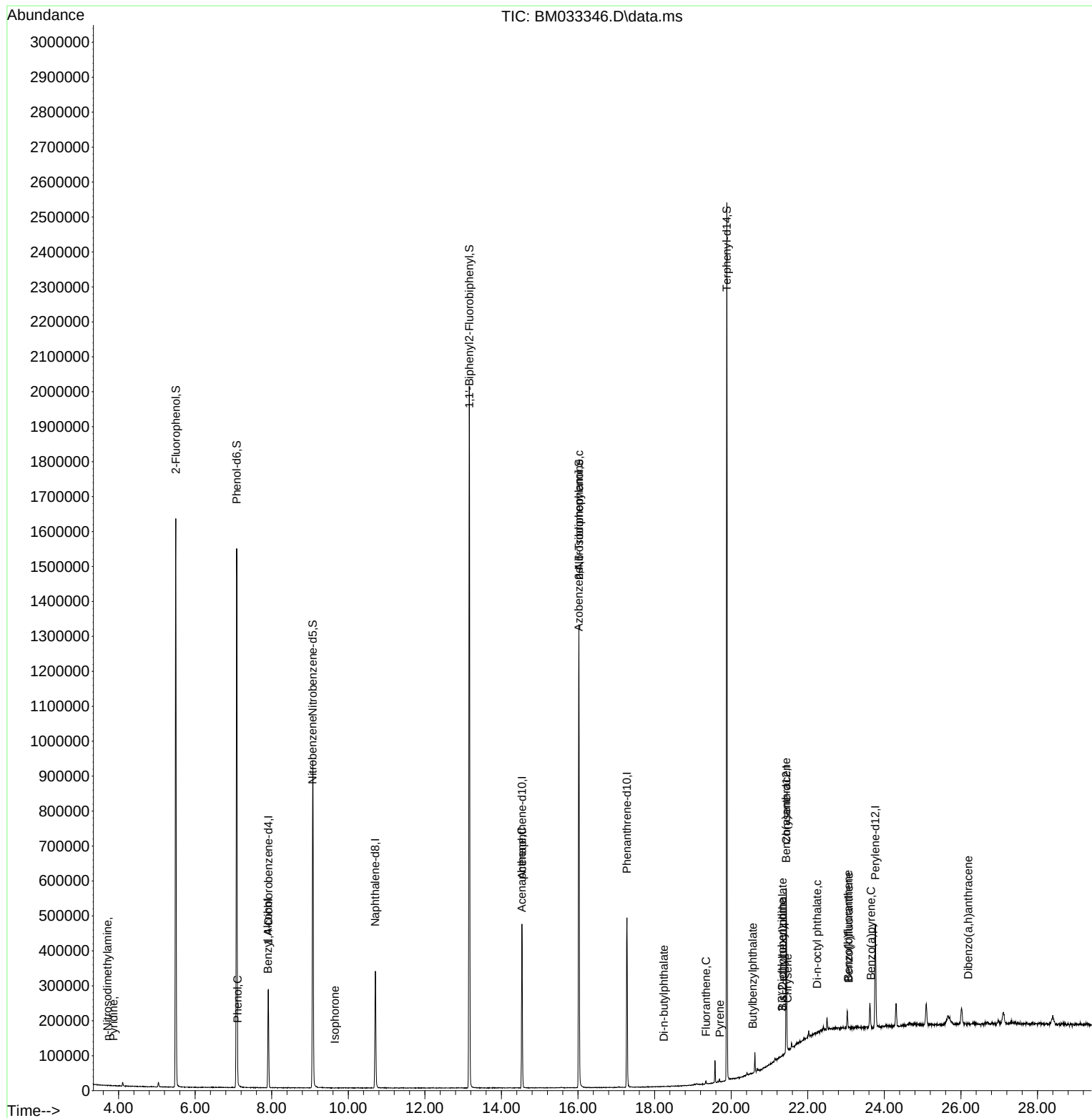
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	69907	20.000	ng	0.00
21) Naphthalene-d8	10.707	136	262182	20.000	ng	0.00
39) Acenaphthene-d10	14.536	164	154041	20.000	ng	0.00
64) Phenanthrene-d10	17.277	188	280410	20.000	ng	0.00
76) Chrysene-d12	21.442	240	216619	20.000	ng	0.00
86) Perylene-d12	23.765	264	210416	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	575821	135.130	ng	0.00
7) Phenol-d6	7.084	99	739745	124.503	ng	0.00
23) Nitrobenzene-d5	9.072	82	531910	86.143	ng	0.00
42) 2,4,6-Tribromophenol	16.024	330	187108	113.549	ng	0.00
45) 2-Fluorobiphenyl	13.160	172	973429	87.411	ng	0.00
79) Terphenyl-d14	19.889	244	1066704	91.232	ng	0.00
Target Compounds						Qvalue
3) Pyridine	3.866	79	121	0.025	ng	# 1
4) n-Nitrosodimethylamine	3.713	42	234	0.083	ng	# 1
9) Benzaldehyde	7.084	77	2039	Below Cal		# 7
10) Phenol	7.113	94	57	0.010	ng	# 1
15) Benzyl Alcohol	7.901	79	2666	0.542	ng	# 59
24) Nitrobenzene	9.066	77	2026	0.343	ng	# 52
25) Isophorone	9.654	82	60	0.006	ng	# 68
46) 1,1'-Biphenyl	13.166	154	2077	0.177	ng	# 1
52) Acenaphthene	14.530	154	640	0.075	ng	# 4
63) Azobenzene	16.018	77	1725	0.132	ng	# 7
66) n-Nitrosodiphenylamine	16.024	169	7645	0.900	ng	# 51
74) Di-n-butylphthalate	18.242	149	126	0.008	ng	# 78
75) Fluoranthene	19.342	202	159	0.009	ng	# 30
78) Pyrene	19.706	202	197	0.013	ng	# 58
80) Butylbenzylphthalate	20.565	149	187	0.031	ng	# 19
81) Benzo(a)anthracene	21.436	228	946	0.066	ng	# 52
82) 3,3'-Dichlorobenzidine	21.330	252	188	0.029	ng	# 26
83) Chrysene	21.471	228	435	0.032	ng	# 46
84) Bis(2-ethylhexyl)phtha...	21.342	149	468	0.056	ng	# 53
85) Di-n-octyl phthalate	22.247	149	276	0.020	ng	# 1
88) Benzo(b)fluoranthene	23.053	252	319	0.024	ng	# 1
89) Benzo(k)fluoranthene	23.071	252	163	0.012	ng	# 1
90) Benzo(a)pyrene	23.653	252	662	0.061	ng	# 1
91) Dibenzo(a,h)anthracene	26.194	278	53	0.004	ng	# 58

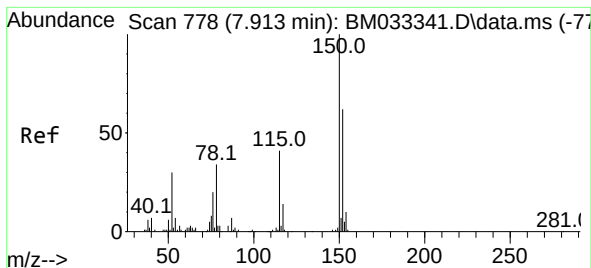
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.913 min Scan# 71

Delta R.T. 0.000 min

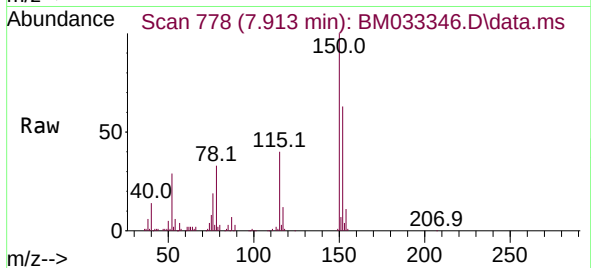
Lab File: BM033346.D

Acq: 08 Dec 2021 16:48

Instrument :

BNA_M

ClientSampleId :



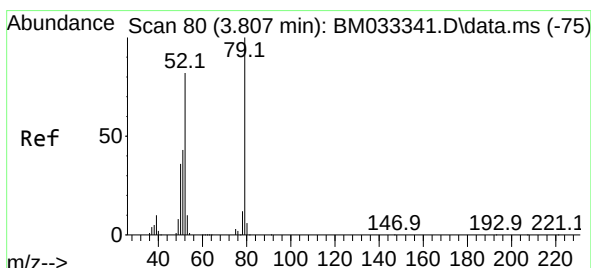
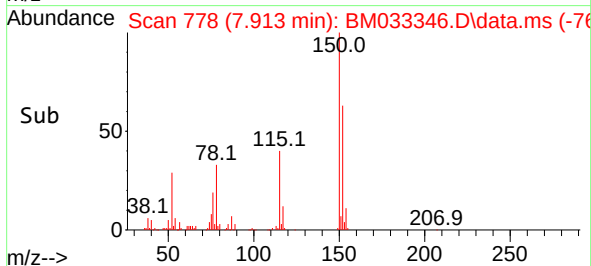
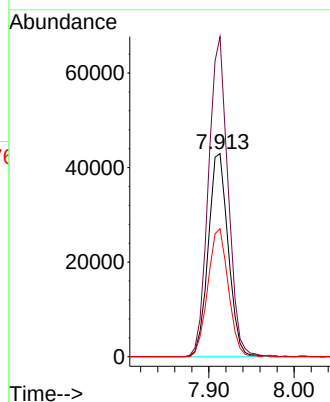
Tgt Ion:152 Resp: 69907

Ion Ratio Lower Upper

152 100

150 157.6 128.9 193.3

115 63.1 53.0 79.6



#3

Pyridine

Concen: 0.025 ng

RT: 3.866 min Scan# 90

Delta R.T. 0.059 min

Lab File: BM033346.D

Acq: 08 Dec 2021 16:48

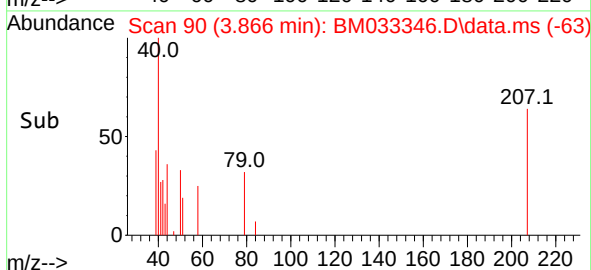
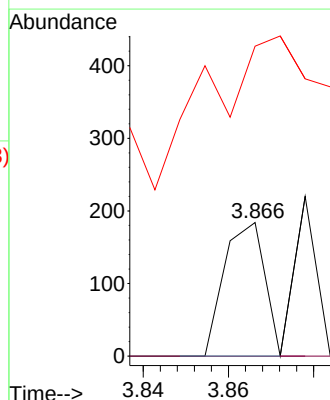
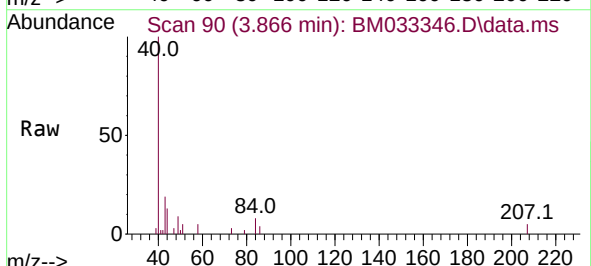
Tgt Ion: 79 Resp: 121

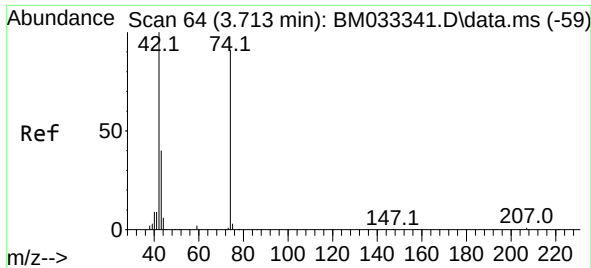
Ion Ratio Lower Upper

79 100

52 0.0 65.4 98.2#

51 232.1 34.8 52.2#





#4

n-Nitrosodimethylamine

Concen: 0.083 ng

RT: 3.713 min Scan# 64

Delta R.T. 0.000 min

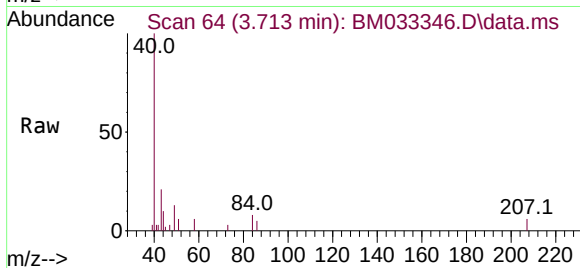
Lab File: BM033346.D

Acq: 08 Dec 2021 16:48

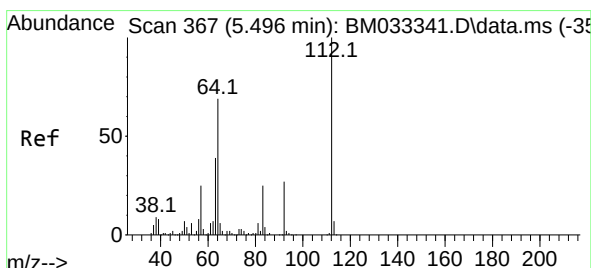
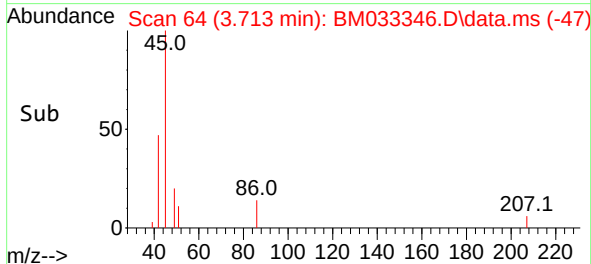
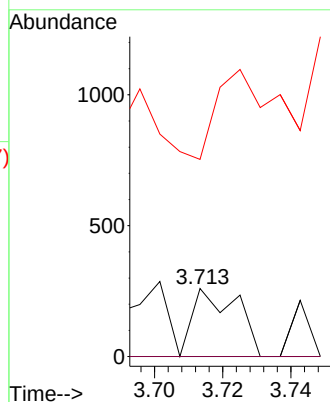
Instrument :

BNA_M

ClientSampleId :



Tgt Ion:	42	Resp:	234
Ion	Ratio	Lower	Upper
42	100		
74	0.0	72.5	108.7#
44	289.6	5.4	8.2#



#5

2-Fluorophenol

Concen: 135.130 ng

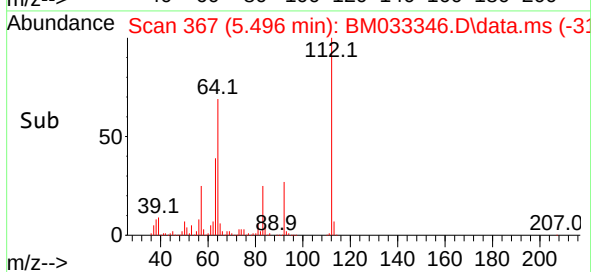
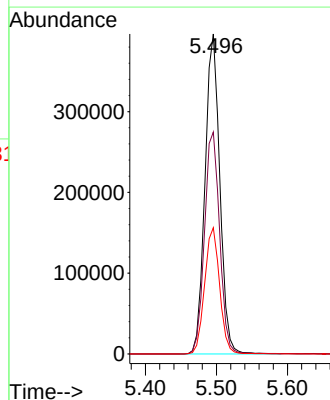
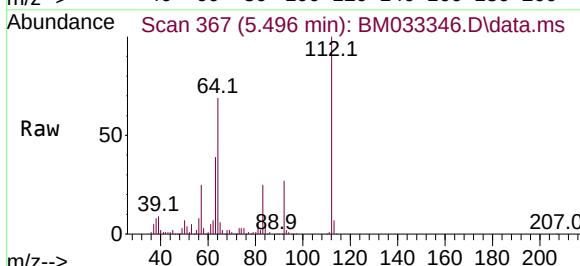
RT: 5.496 min Scan# 367

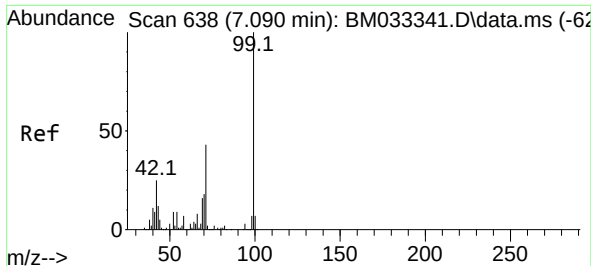
Delta R.T. 0.000 min

Lab File: BM033346.D

Acq: 08 Dec 2021 16:48

Tgt Ion:	112	Resp:	575821
Ion	Ratio	Lower	Upper
112	100		
64	69.4	55.5	83.3
63	39.4	31.3	46.9

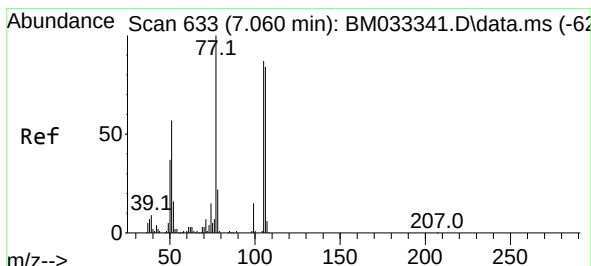
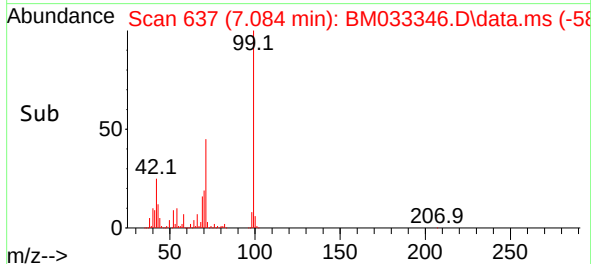
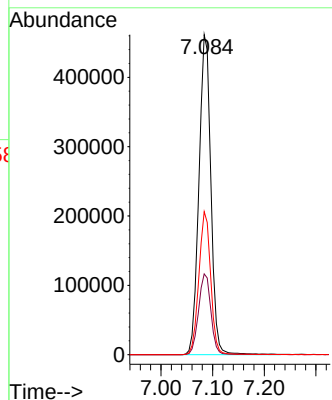
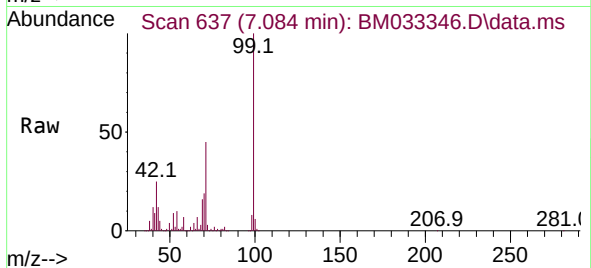




#7
Phenol-d6
Concen: 124.503 ng
RT: 7.084 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

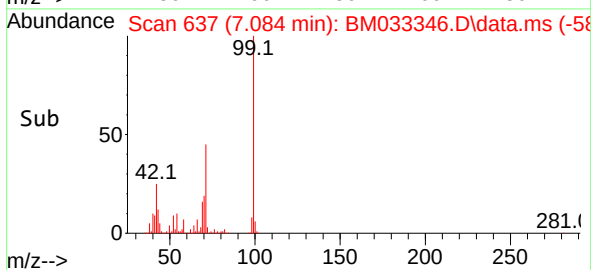
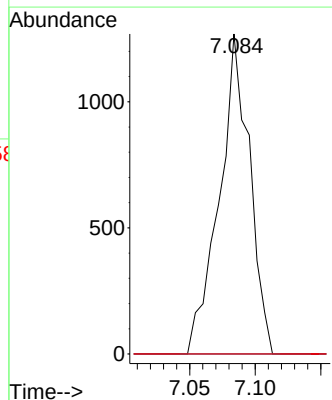
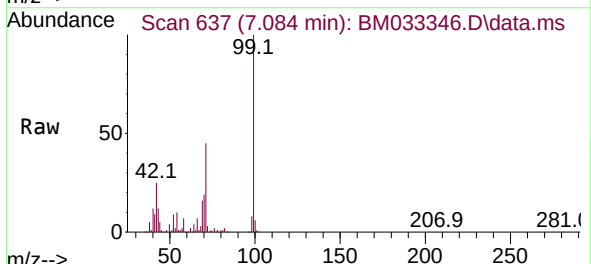
Instrument :
BNA_M
ClientSampleId :

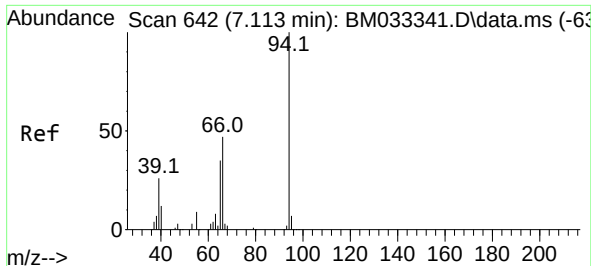
Tgt Ion: 99 Resp: 739745
Ion Ratio Lower Upper
99 100
42 25.2 20.3 30.5
71 44.7 34.5 51.7



#9
Benzaldehyde
Concen: Below Cal
RT: 7.084 min Scan# 637
Delta R.T. 0.024 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

Tgt Ion: 77 Resp: 2039
Ion Ratio Lower Upper
77 100
105 0.0 67.1 107.1#
106 0.0 64.3 104.3#

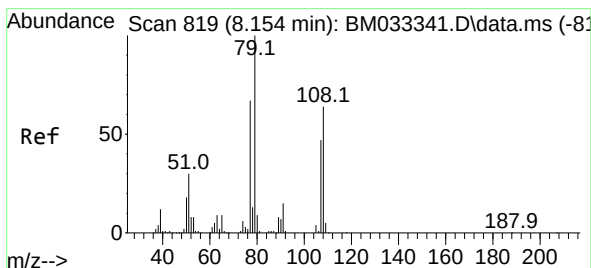
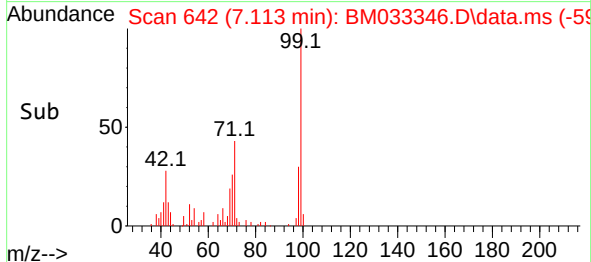
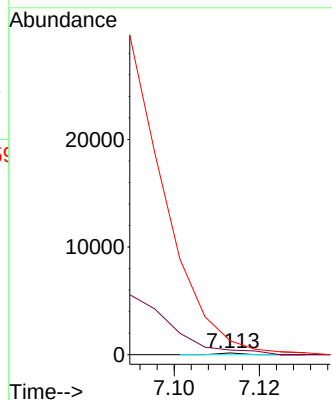
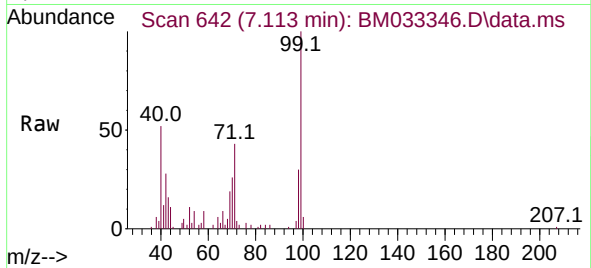




#10
Phenol
Concen: 0.010 ng
RT: 7.113 min Scan# 64
Delta R.T. 0.000 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

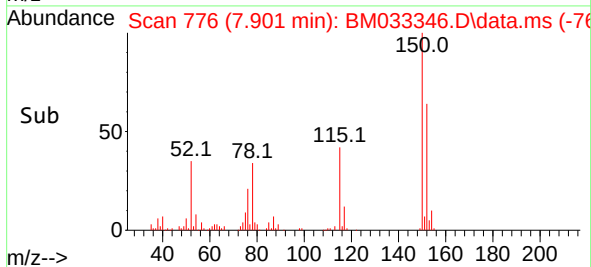
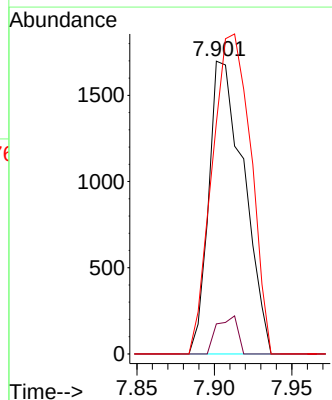
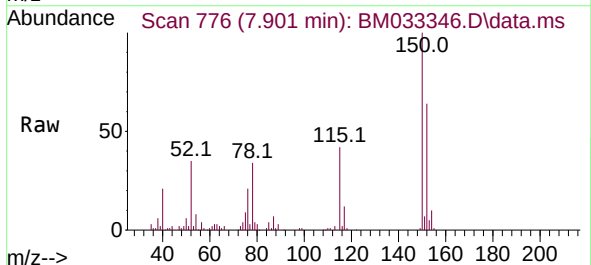
Instrument :
BNA_M
ClientSampleId :

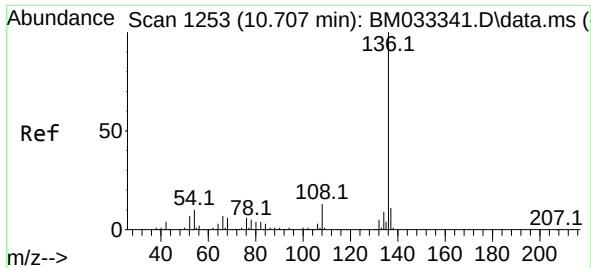
Tgt Ion: 94 Resp: 57
Ion Ratio Lower Upper
94 100
65 262.3 15.5 55.5#
66 796.9 28.5 68.5#



#15
Benzyl Alcohol
Concen: 0.542 ng
RT: 7.901 min Scan# 776
Delta R.T. -0.253 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

Tgt Ion: 79 Resp: 2666
Ion Ratio Lower Upper
79 100
108 10.2 51.1 76.7#
77 78.9 53.8 80.8

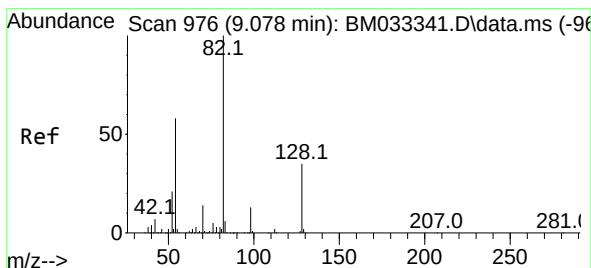
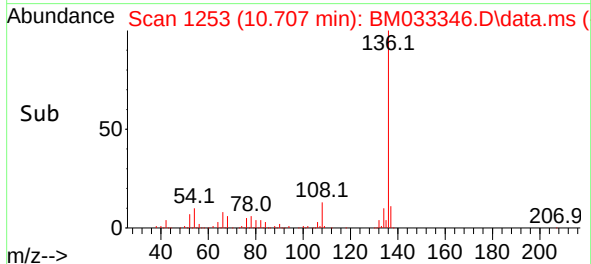
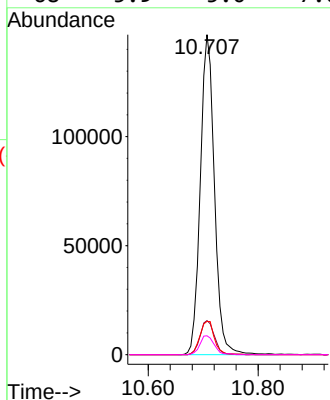
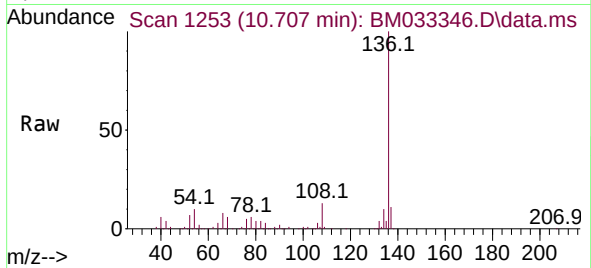




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.707 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

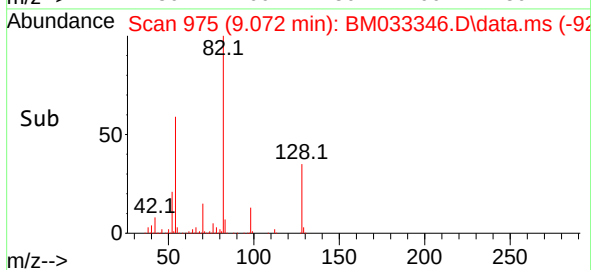
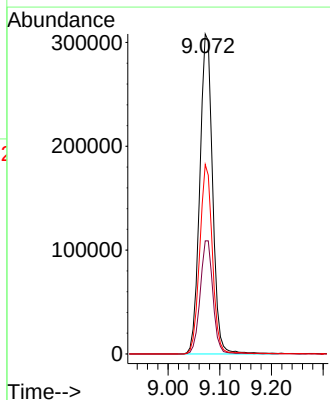
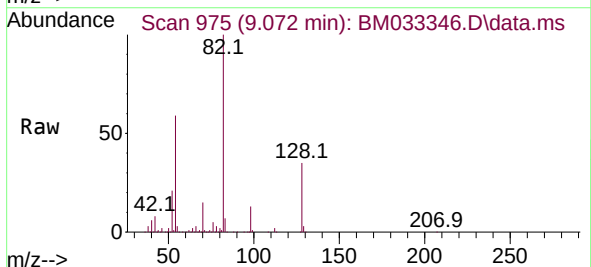
Instrument :
BNA_M
ClientSampleId :

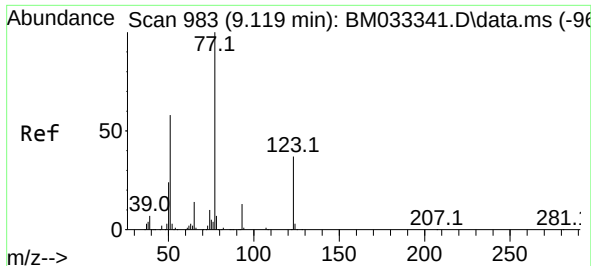
Tgt Ion:	136	Resp:	262182
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	10.4	8.3	12.5
68	5.9	5.0	7.6



#23
Nitrobenzene-d5
Concen: 86.143 ng
RT: 9.072 min Scan# 975
Delta R.T. -0.006 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

Tgt Ion:	82	Resp:	531910
Ion	Ratio	Lower	Upper
82	100		
128	35.4	28.1	42.1
54	59.2	46.1	69.1

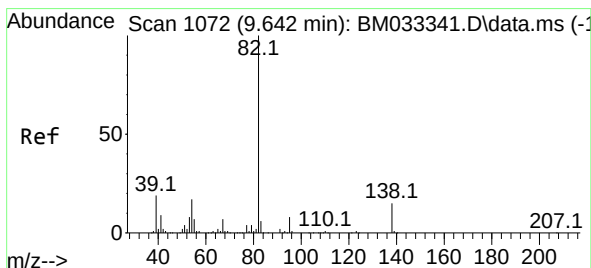
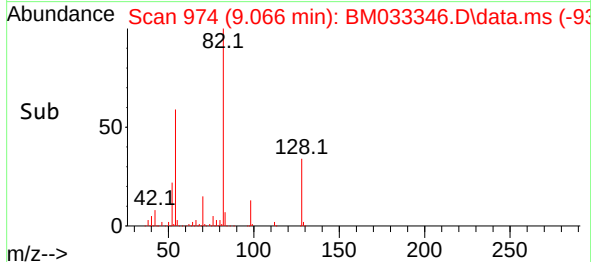
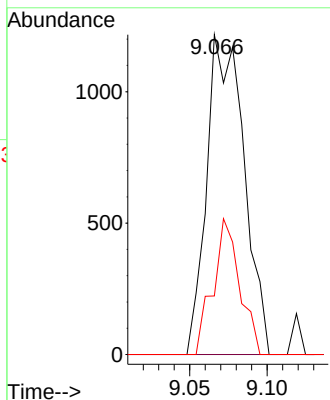
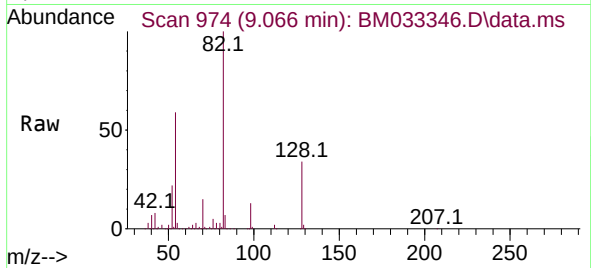




#24
Nitrobenzene
Concen: 0.343 ng
RT: 9.066 min Scan# 91
Delta R.T. -0.053 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

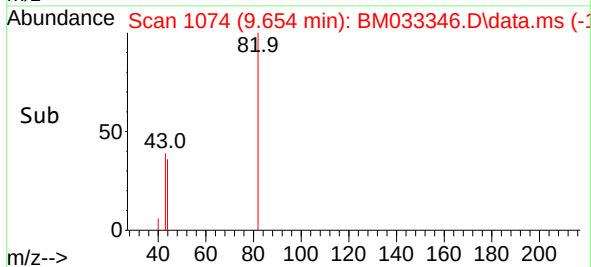
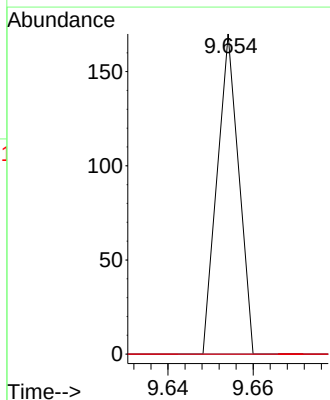
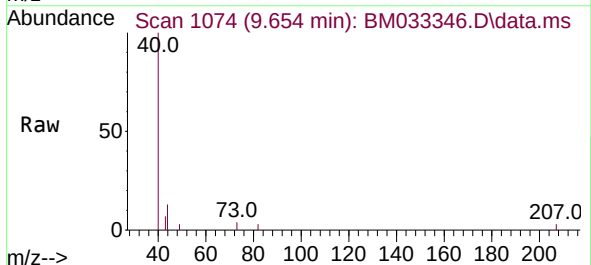
Instrument :
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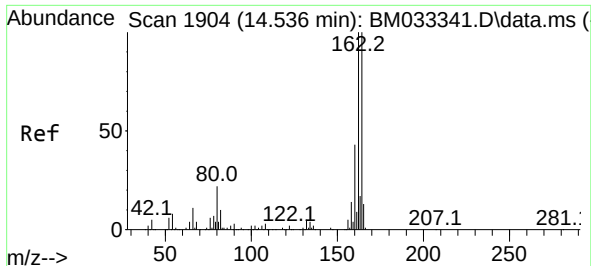
Tgt Ion: 77 Resp: 2026
Ion Ratio Lower Upper
77 100
123 0.0 29.8 44.8#
65 18.3 11.5 17.3#



#25
Isophorone
Concen: 0.006 ng
RT: 9.654 min Scan# 1074
Delta R.T. 0.012 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

Tgt Ion: 82 Resp: 60
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 12.4 18.6#

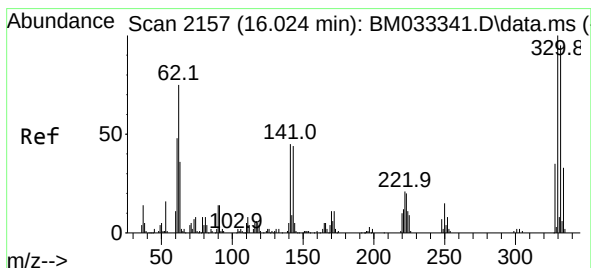
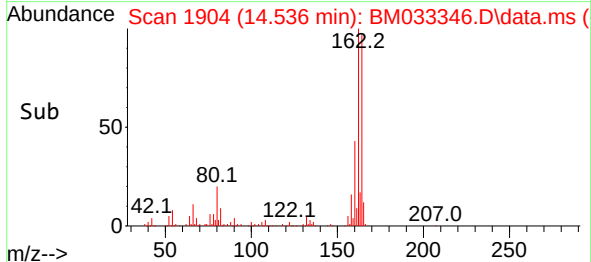
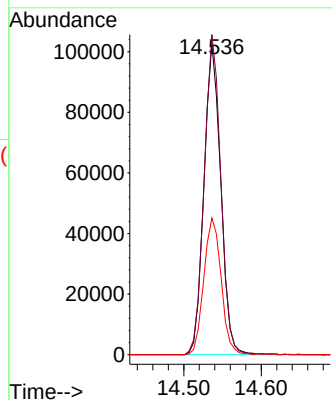
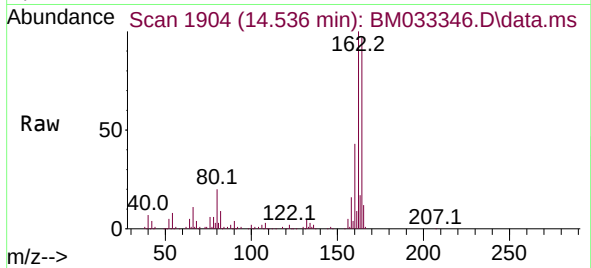




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.536 min Scan# 1904
Delta R.T. 0.000 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

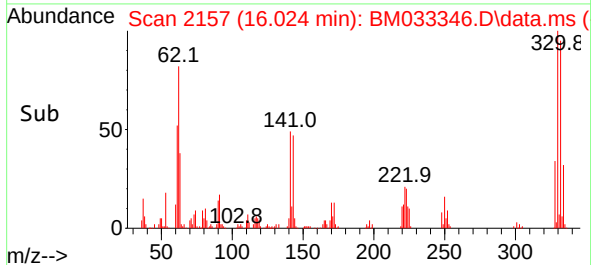
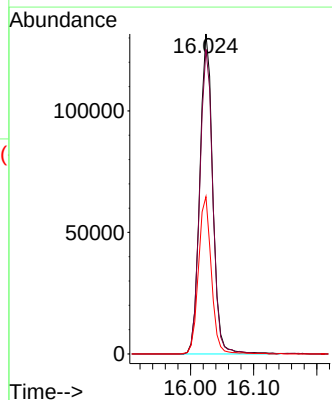
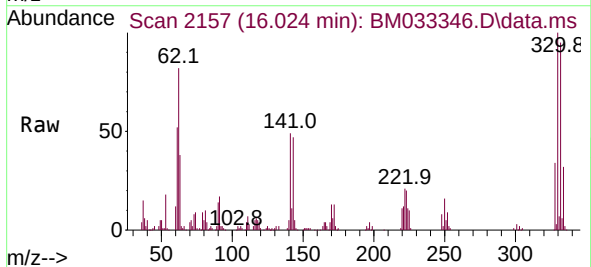
Instrument :
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ClientSampleId :

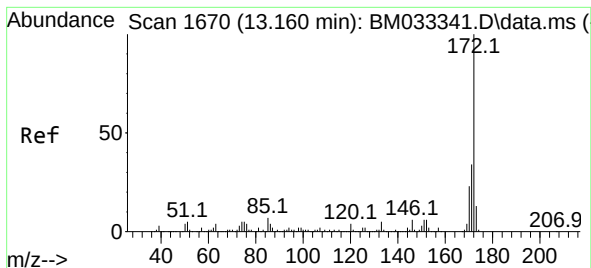
Tgt Ion:164 Resp: 154041
Ion Ratio Lower Upper
164 100
162 102.8 79.7 119.5
160 43.9 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 113.549 ng
RT: 16.024 min Scan# 2157
Delta R.T. 0.000 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

Tgt Ion:330 Resp: 187108
Ion Ratio Lower Upper
330 100
332 96.2 76.5 114.7
141 48.7 35.9 53.9

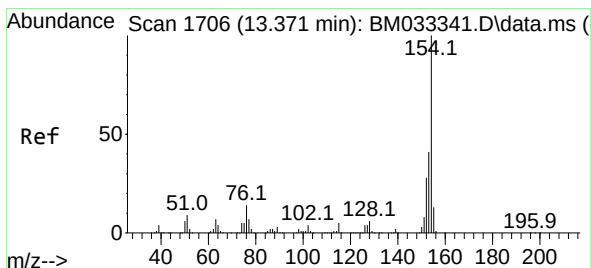
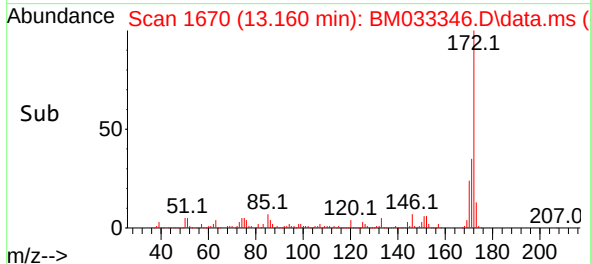
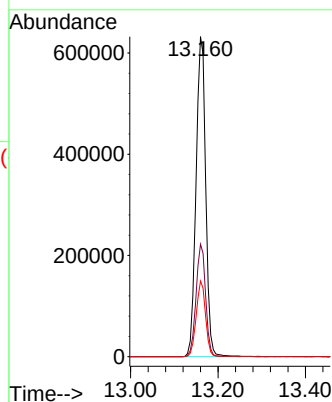
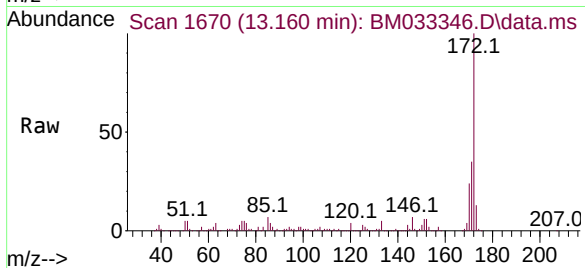




#45
2-Fluorobiphenyl
Concen: 87.411 ng
RT: 13.160 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

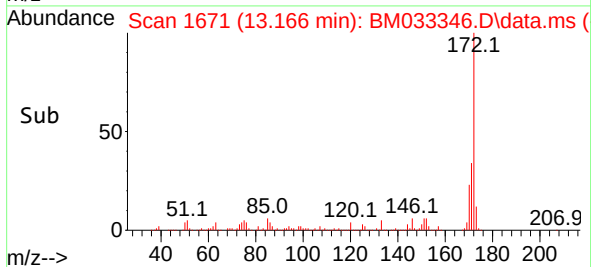
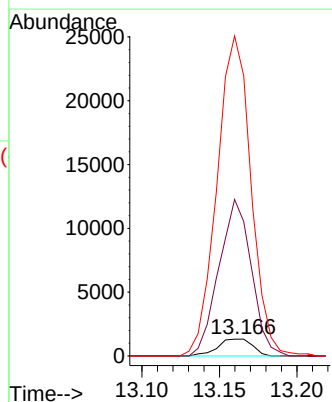
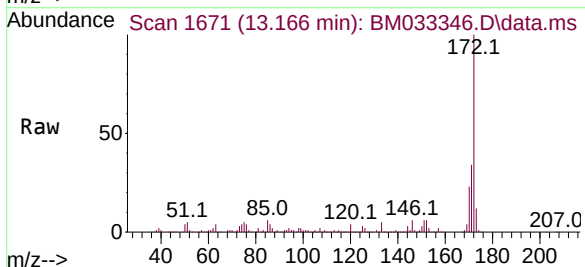
Instrument :
BNA_M
ClientSampleId :

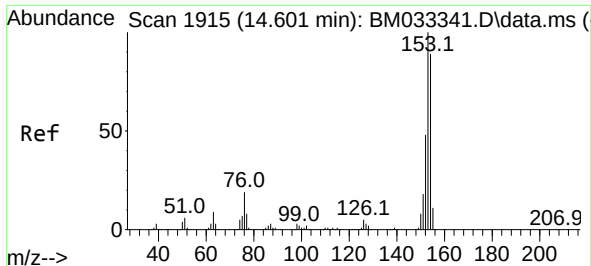
Tgt Ion:172 Resp: 973429
Ion Ratio Lower Upper
172 100
171 35.2 27.2 40.8
170 23.6 18.7 28.1



#46
1,1'-Biphenyl
Concen: 0.177 ng
RT: 13.166 min Scan# 1671
Delta R.T. -0.206 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

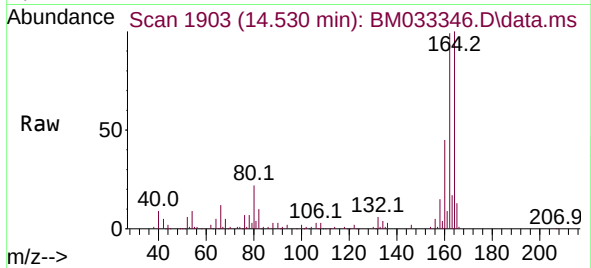
Tgt Ion:154 Resp: 2077
Ion Ratio Lower Upper
154 100
153 799.3 20.7 60.7#
76 1666.2 0.0 34.4#



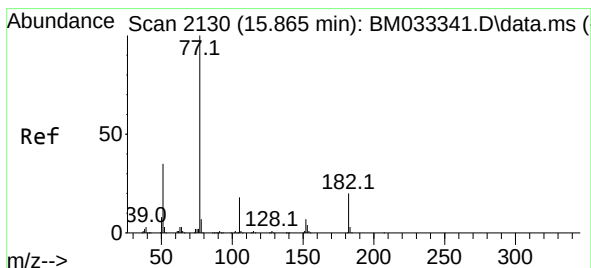
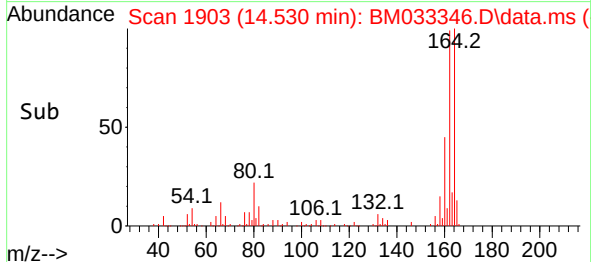
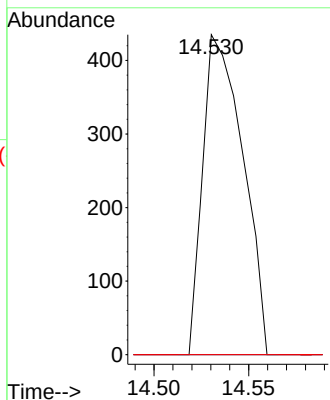


#52
Acenaphthene
Concen: 0.075 ng
RT: 14.530 min Scan# 1915
Delta R.T. -0.071 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

Instrument :
BNA_M
ClientSampleId :

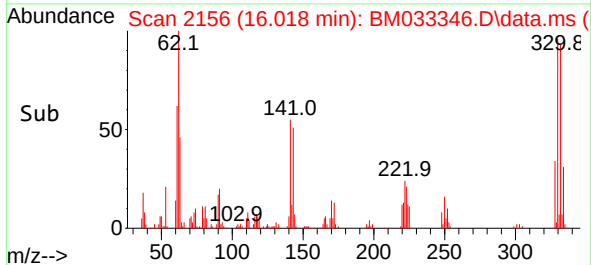
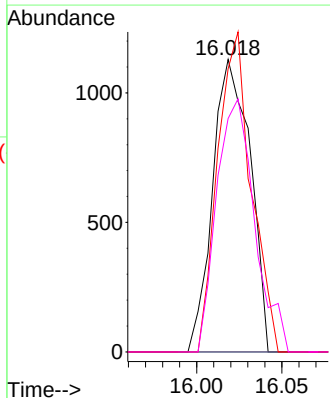
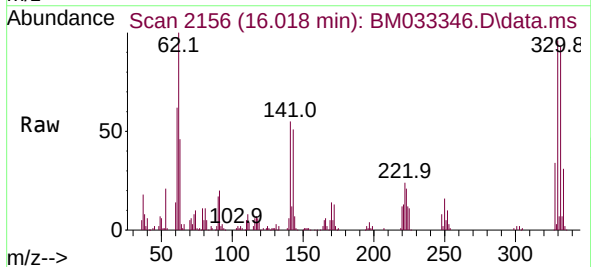


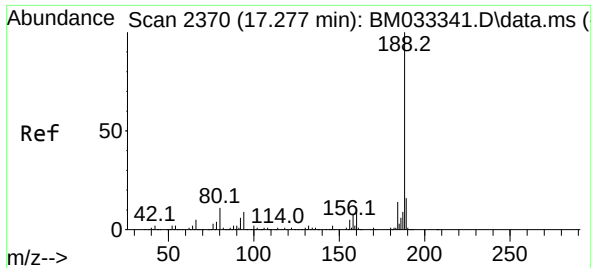
Tgt Ion:154 Resp: 640
Ion Ratio Lower Upper
154 100
153 0.0 90.2 135.4#
152 0.0 43.5 65.3#



#63
Azobenzene
Concen: 0.132 ng
RT: 16.018 min Scan# 2156
Delta R.T. 0.153 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

Tgt Ion: 77 Resp: 1725
Ion Ratio Lower Upper
77 100
182 0.0 0.3 40.3#
105 96.8 0.0 38.3#
51 79.8 15.1 55.1#

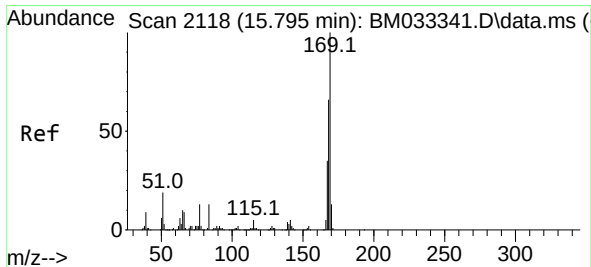
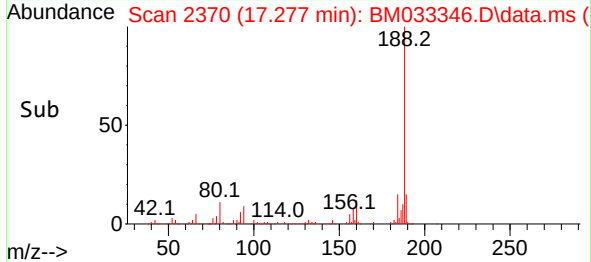
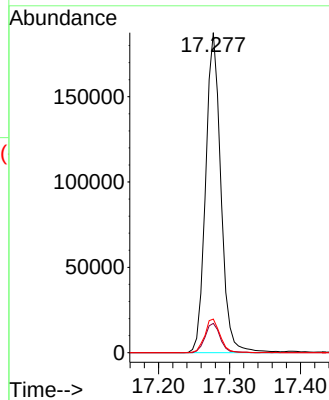
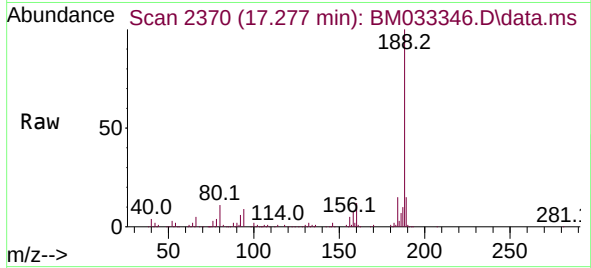




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.277 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

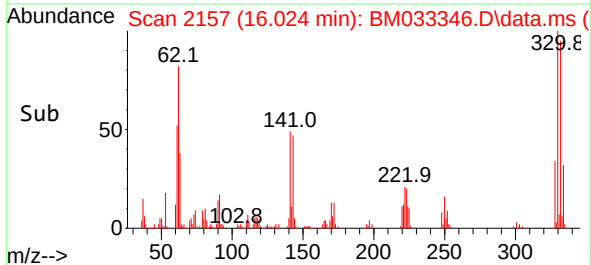
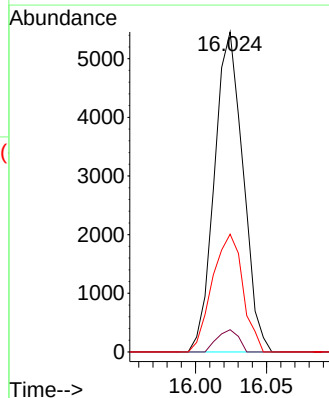
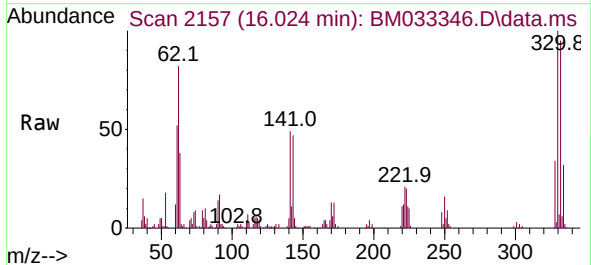
Instrument :
BNA_M
ClientSampleId :

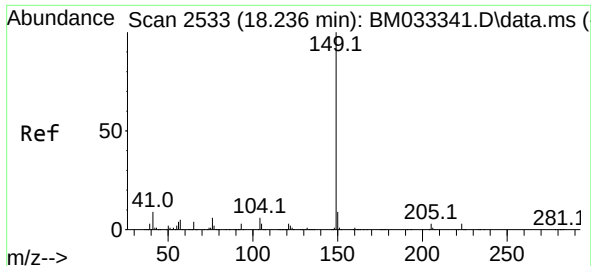
Tgt Ion:188 Resp: 280410
Ion Ratio Lower Upper
188 100
94 9.2 7.5 11.3
80 10.5 8.9 13.3



#66
n-Nitrosodiphenylamine
Concen: 0.900 ng
RT: 16.024 min Scan# 2157
Delta R.T. 0.229 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

Tgt Ion:169 Resp: 7645
Ion Ratio Lower Upper
169 100
168 6.9 52.5 78.7#
167 36.8 28.4 42.6

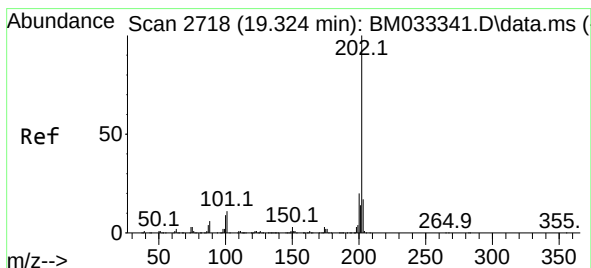
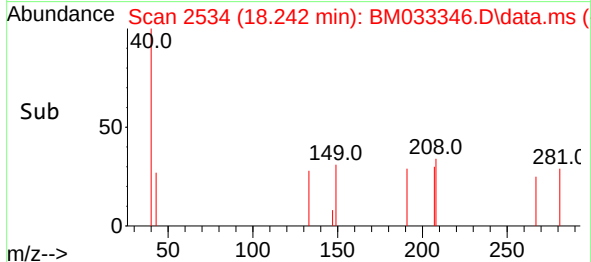
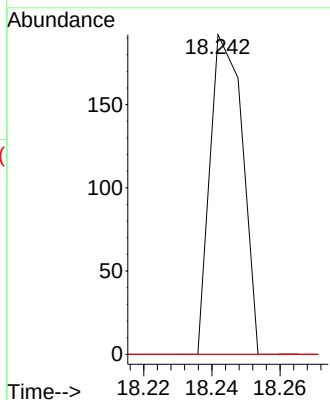
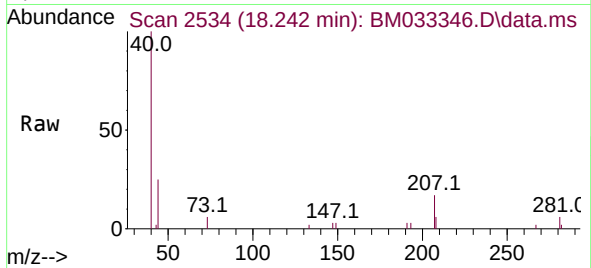




#74
Di-n-butylphthalate
Concen: 0.008 ng
RT: 18.242 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

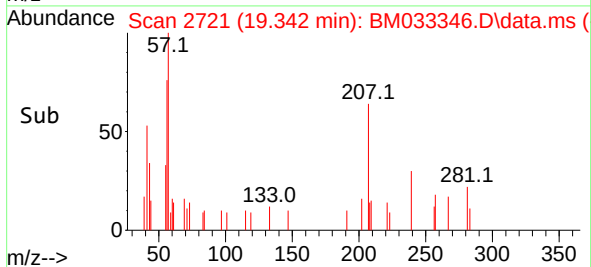
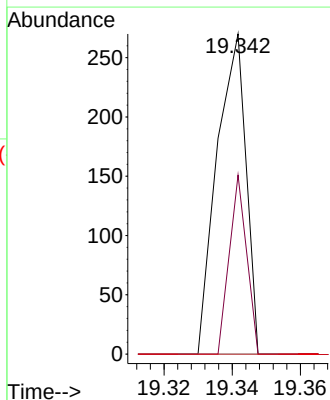
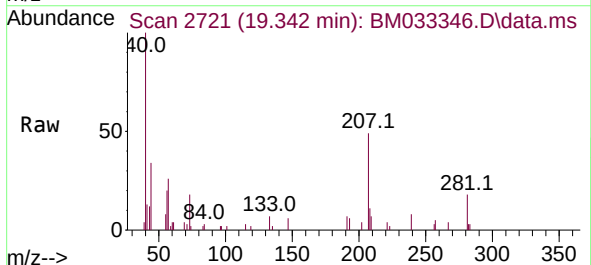
Instrument :
BNA_M
ClientSampleId :

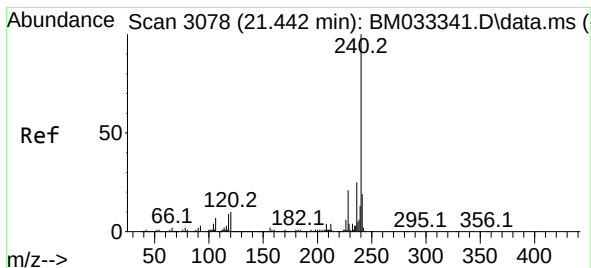
Tgt Ion:149 Resp: 126
Ion Ratio Lower Upper
149 100
150 0.0 7.3 10.9#
104 0.0 4.6 6.8#



#75
Fluoranthene
Concen: 0.009 ng
RT: 19.342 min Scan# 2721
Delta R.T. 0.018 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

Tgt Ion:202 Resp: 159
Ion Ratio Lower Upper
202 100
101 55.9 0.0 30.8#
203 0.0 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.442 min Scan# 3078

Delta R.T. 0.000 min

Lab File: BM033346.D

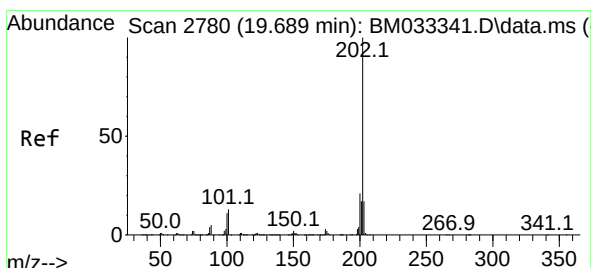
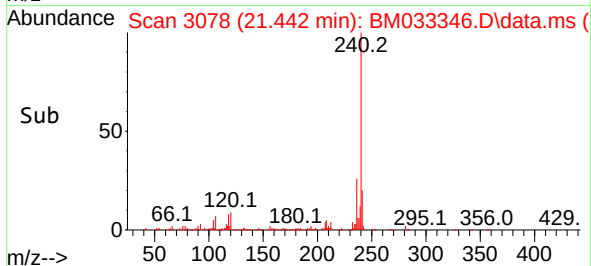
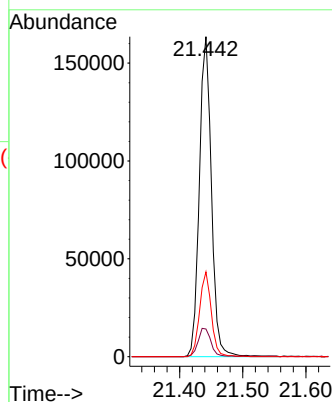
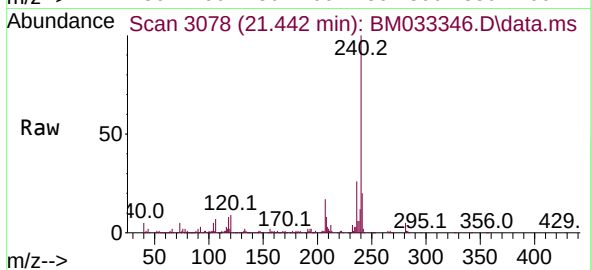
Acq: 08 Dec 2021 16:48

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	240	Resp:	216619
Ion Ratio	Lower	Upper	
240	100		
120	8.7	7.8	11.6
236	26.5	20.3	30.5



#78

Pyrene

Concen: 0.013 ng

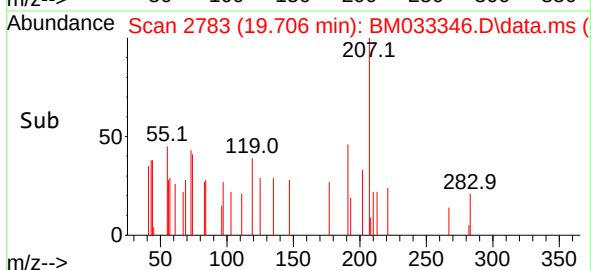
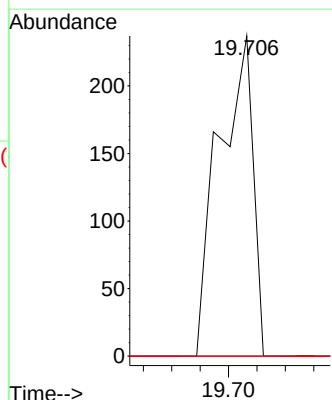
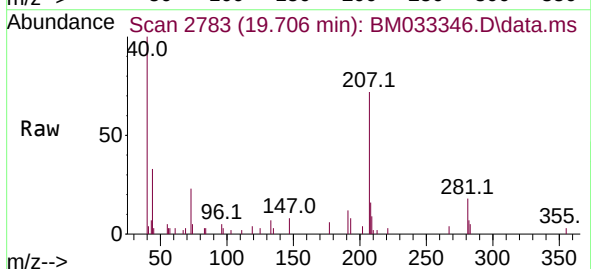
RT: 19.706 min Scan# 2783

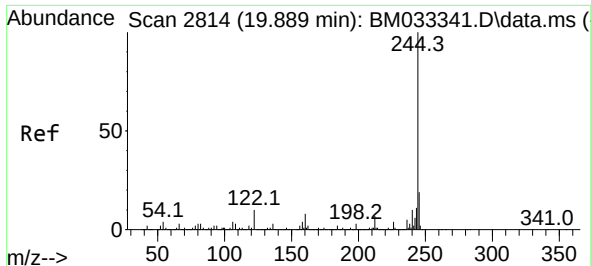
Delta R.T. 0.018 min

Lab File: BM033346.D

Acq: 08 Dec 2021 16:48

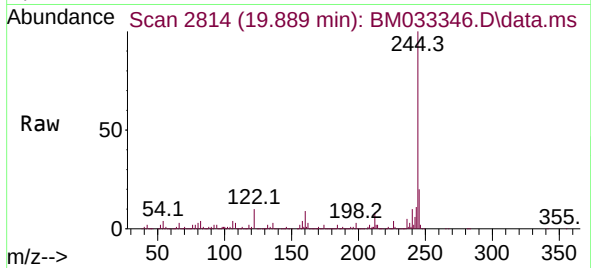
Tgt Ion:	202	Resp:	197
Ion Ratio	Lower	Upper	
202	100		
200	0.0	16.4	24.6#
203	0.0	13.5	20.3#



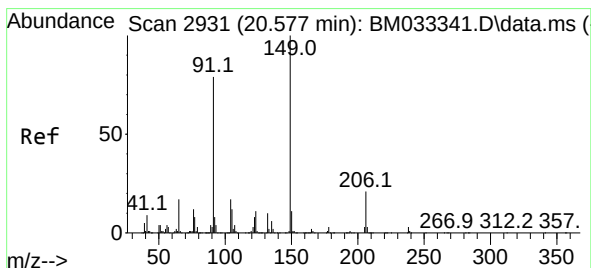
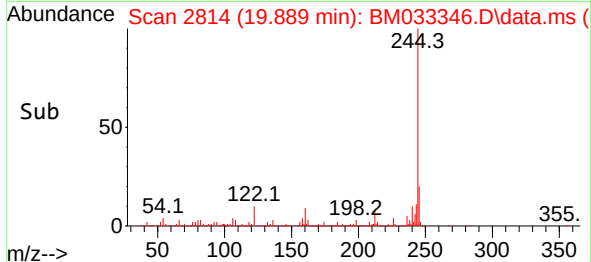
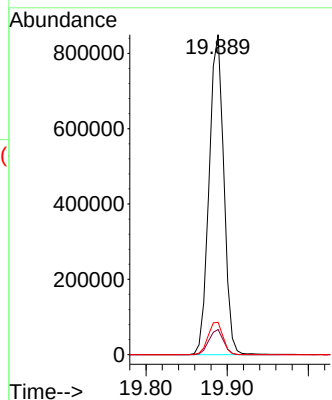


#79
 Terphenyl-d14
 Concen: 91.232 ng
 RT: 19.889 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM033346.D
 Acq: 08 Dec 2021 16:48

Instrument :
 BNA_M
 ClientSampleId :

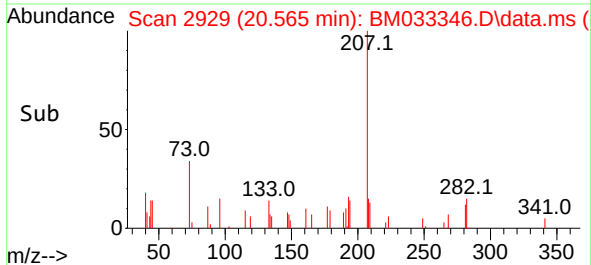
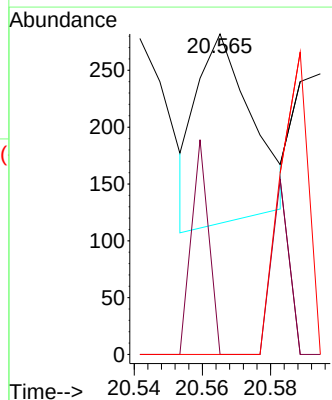
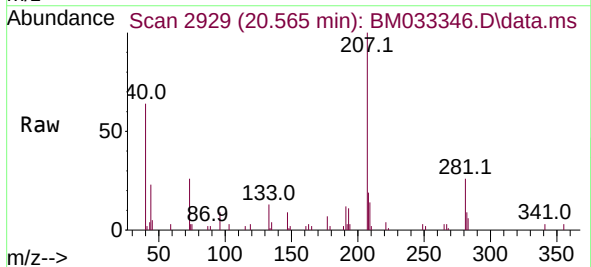


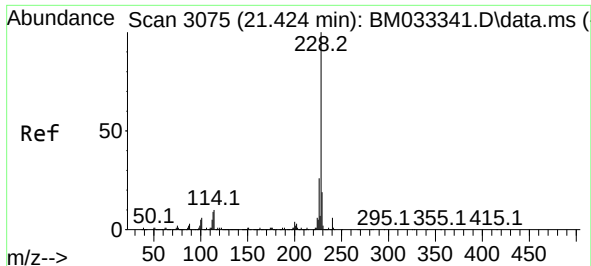
Tgt Ion:244 Resp: 1066704
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 10.1 8.4 12.6



#80
 Butylbenzylphthalate
 Concen: 0.031 ng
 RT: 20.565 min Scan# 2929
 Delta R.T. -0.012 min
 Lab File: BM033346.D
 Acq: 08 Dec 2021 16:48

Tgt Ion:149 Resp: 187
 Ion Ratio Lower Upper
 149 100
 91 0.0 63.4 95.0#
 206 0.0 16.8 25.2#

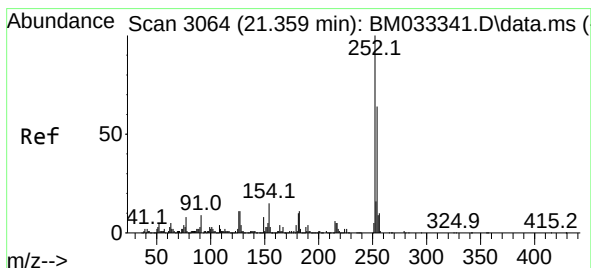
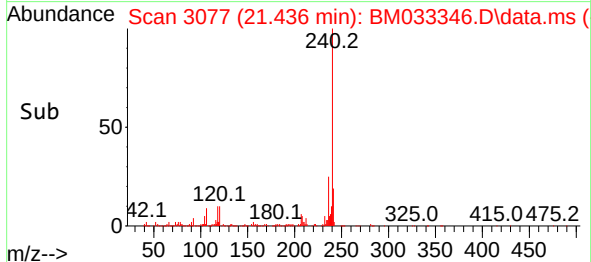
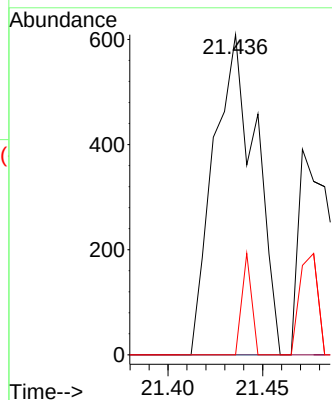
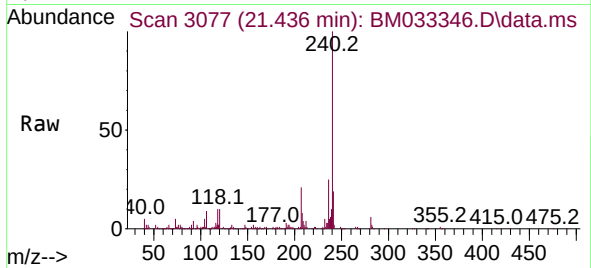




#81
Benzo(a)anthracene
Concen: 0.066 ng
RT: 21.436 min Scan# 3075
Delta R.T. 0.012 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

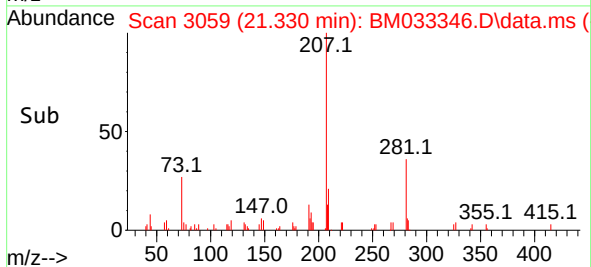
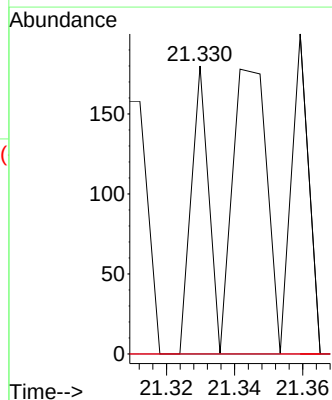
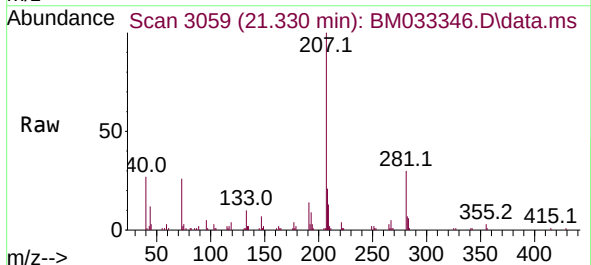
Instrument :
BNA_M
ClientSampleId :

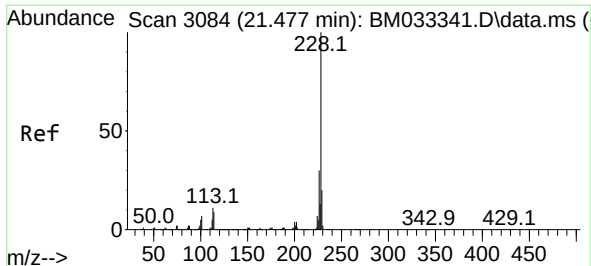
Tgt Ion:228 Resp: 946
Ion Ratio Lower Upper
228 100
226 0.0 21.0 31.6#
229 0.0 15.5 23.3#



#82
3,3'-Dichlorobenzidine
Concen: 0.029 ng
RT: 21.330 min Scan# 3059
Delta R.T. -0.029 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

Tgt Ion:252 Resp: 188
Ion Ratio Lower Upper
252 100
254 0.0 50.9 76.3#
126 0.0 8.8 13.2#

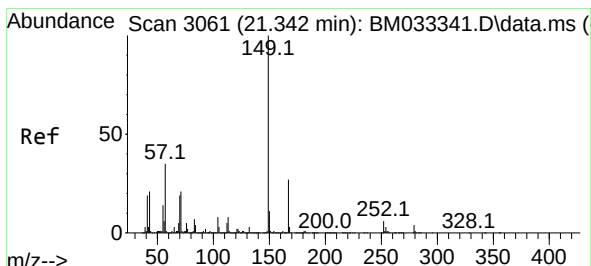
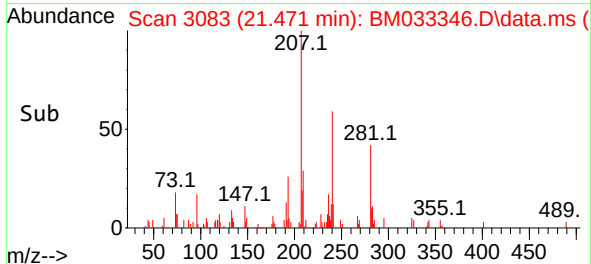
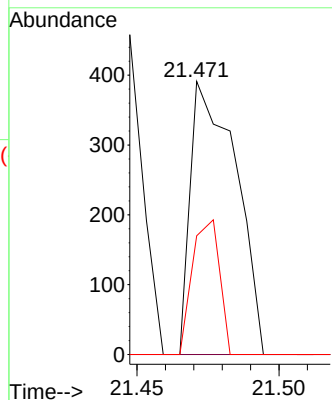
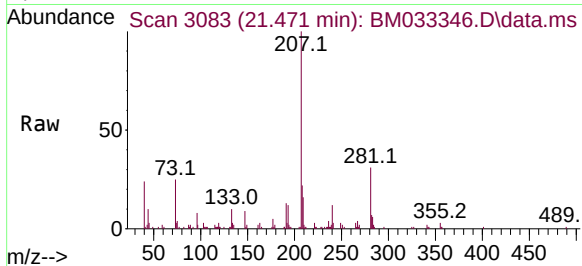




#83
Chrysene
Concen: 0.032 ng
RT: 21.471 min Scan# 3083
Delta R.T. -0.006 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

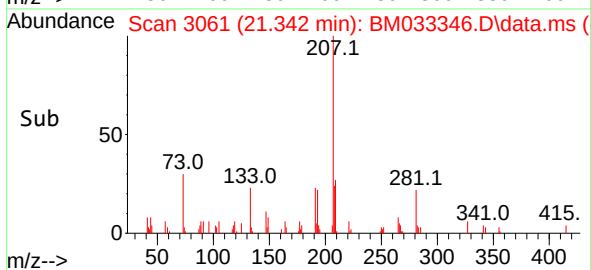
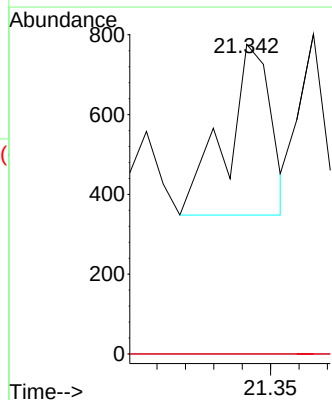
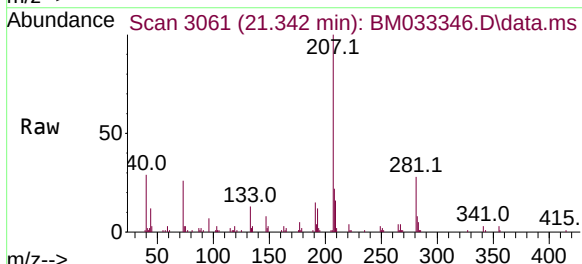
Instrument :
BNA_M
ClientSampleId :

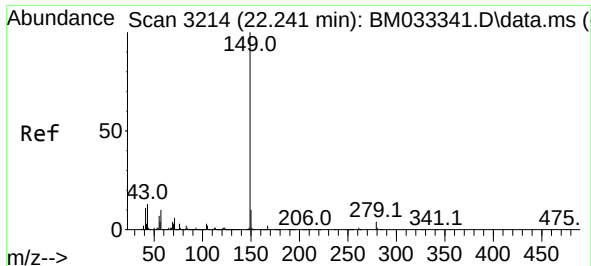
Tgt Ion:228 Resp: 435
Ion Ratio Lower Upper
228 100
226 0.0 23.8 35.8#
229 43.5 15.8 23.8#



#84
Bis(2-ethylhexyl)phthalate
Concen: 0.056 ng
RT: 21.342 min Scan# 3061
Delta R.T. 0.000 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

Tgt Ion:149 Resp: 468
Ion Ratio Lower Upper
149 100
167 0.0 21.4 32.0#
279 0.0 3.0 4.6#

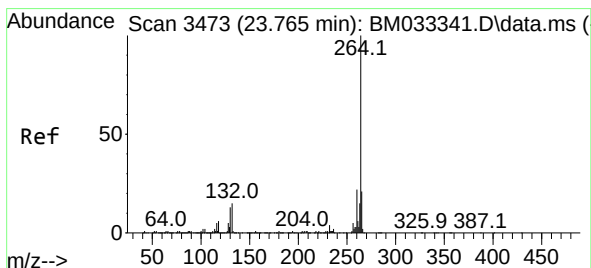
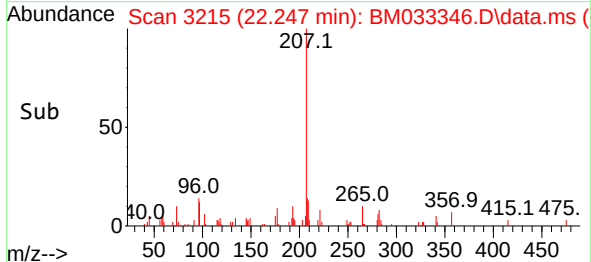
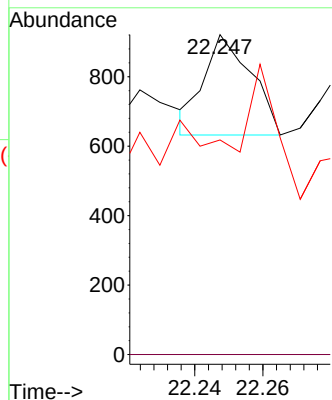
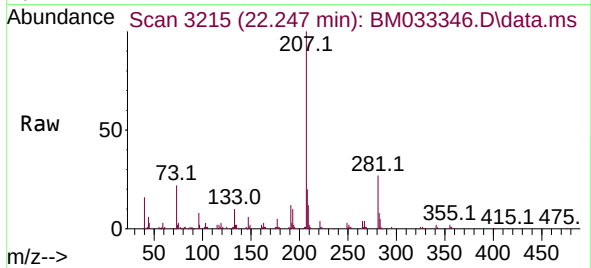




#85
Di-n-octyl phthalate
Concen: 0.020 ng
RT: 22.247 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

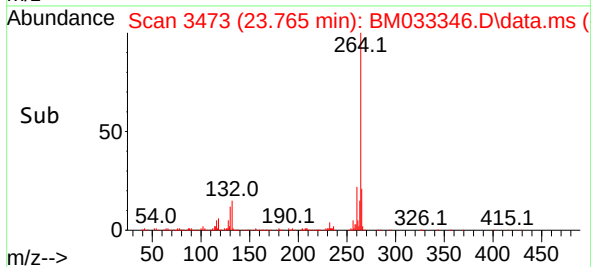
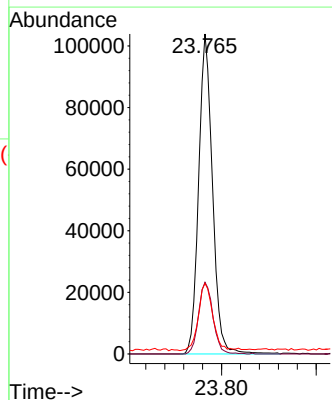
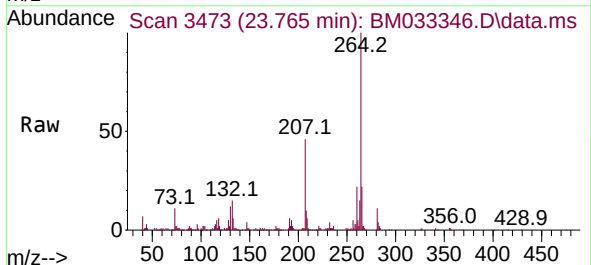
Instrument :
BNA_M
ClientSampleId :

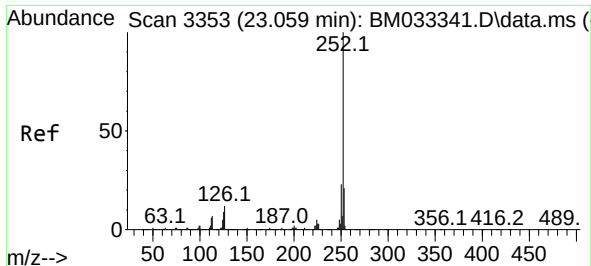
Tgt Ion:149 Resp: 276
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 72.5 10.4 15.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.765 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

Tgt Ion:264 Resp: 210416
Ion Ratio Lower Upper
264 100
260 22.4 17.7 26.5
265 22.0 17.7 26.5

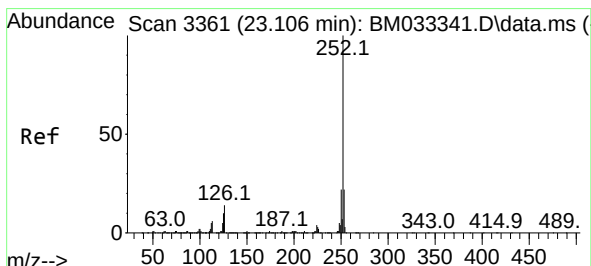
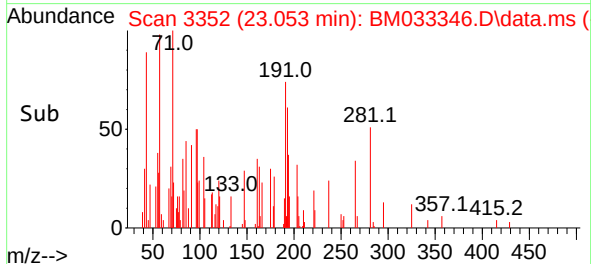
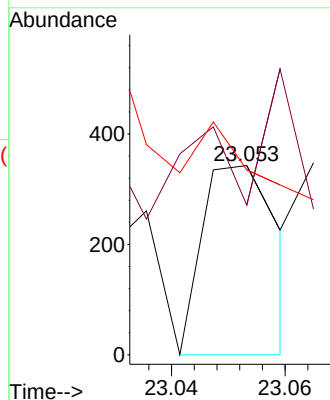
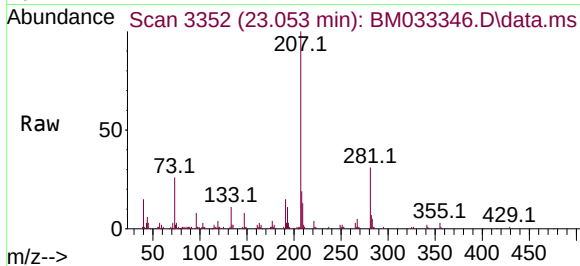




#88
Benzo(b)fluoranthene
Concen: 0.024 ng
RT: 23.053 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

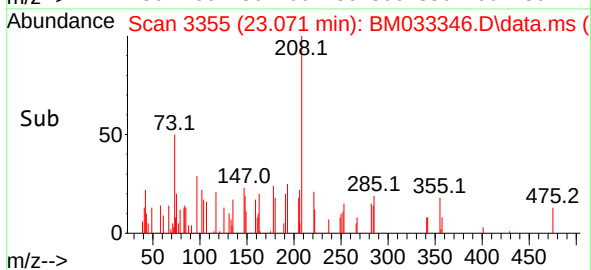
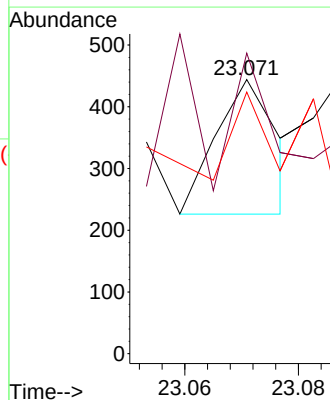
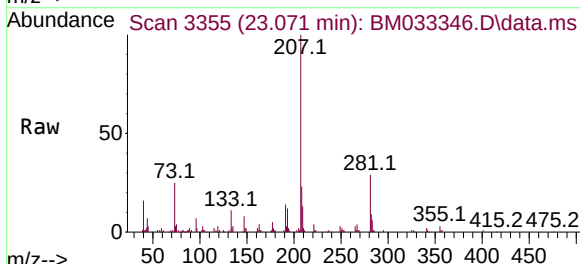
Instrument :
BNA_M
ClientSampleId :

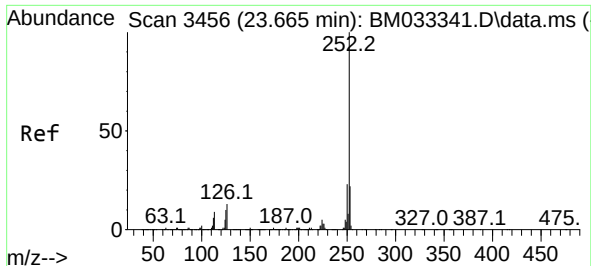
Tgt Ion:252 Resp: 319
Ion Ratio Lower Upper
252 100
253 79.0 17.1 25.7#
125 97.7 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 0.012 ng
RT: 23.071 min Scan# 3355
Delta R.T. -0.035 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

Tgt Ion:252 Resp: 163
Ion Ratio Lower Upper
252 100
253 109.7 17.8 26.8#
125 95.5 8.1 12.1#

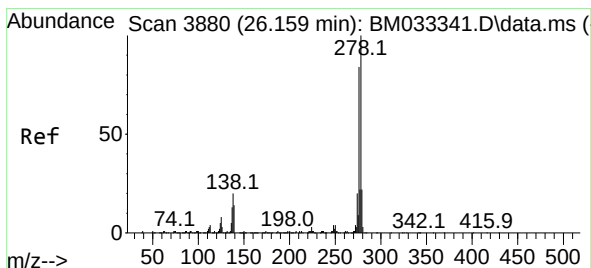
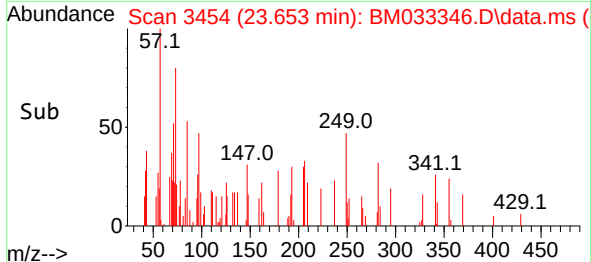
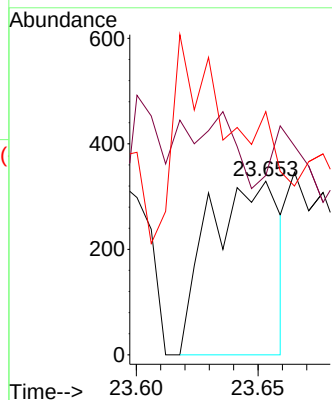
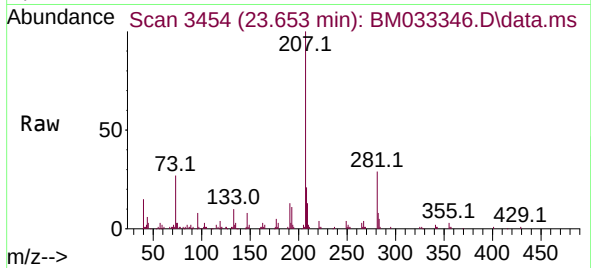




#90
Benzo(a)pyrene
Concen: 0.061 ng
RT: 23.653 min Scan# 3454
Delta R.T. -0.012 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 662
Ion Ratio Lower Upper
252 100
253 103.3 17.5 26.3#
125 140.1 7.8 11.8#



#91
Dibenzo(a,h)anthracene
Concen: 0.004 ng
RT: 26.194 min Scan# 3886
Delta R.T. 0.035 min
Lab File: BM033346.D
Acq: 08 Dec 2021 16:48

Tgt Ion:278 Resp: 53
Ion Ratio Lower Upper
278 100
139 0.0 10.9 16.3#
279 0.0 17.7 26.5#

