

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120321\
 Data File : BM033287.D
 Acq On : 03 Dec 2021 15:37
 Operator : CG/JU
 Sample : M4798-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-1-4.5

Quant Time: Dec 03 16:08:13 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)

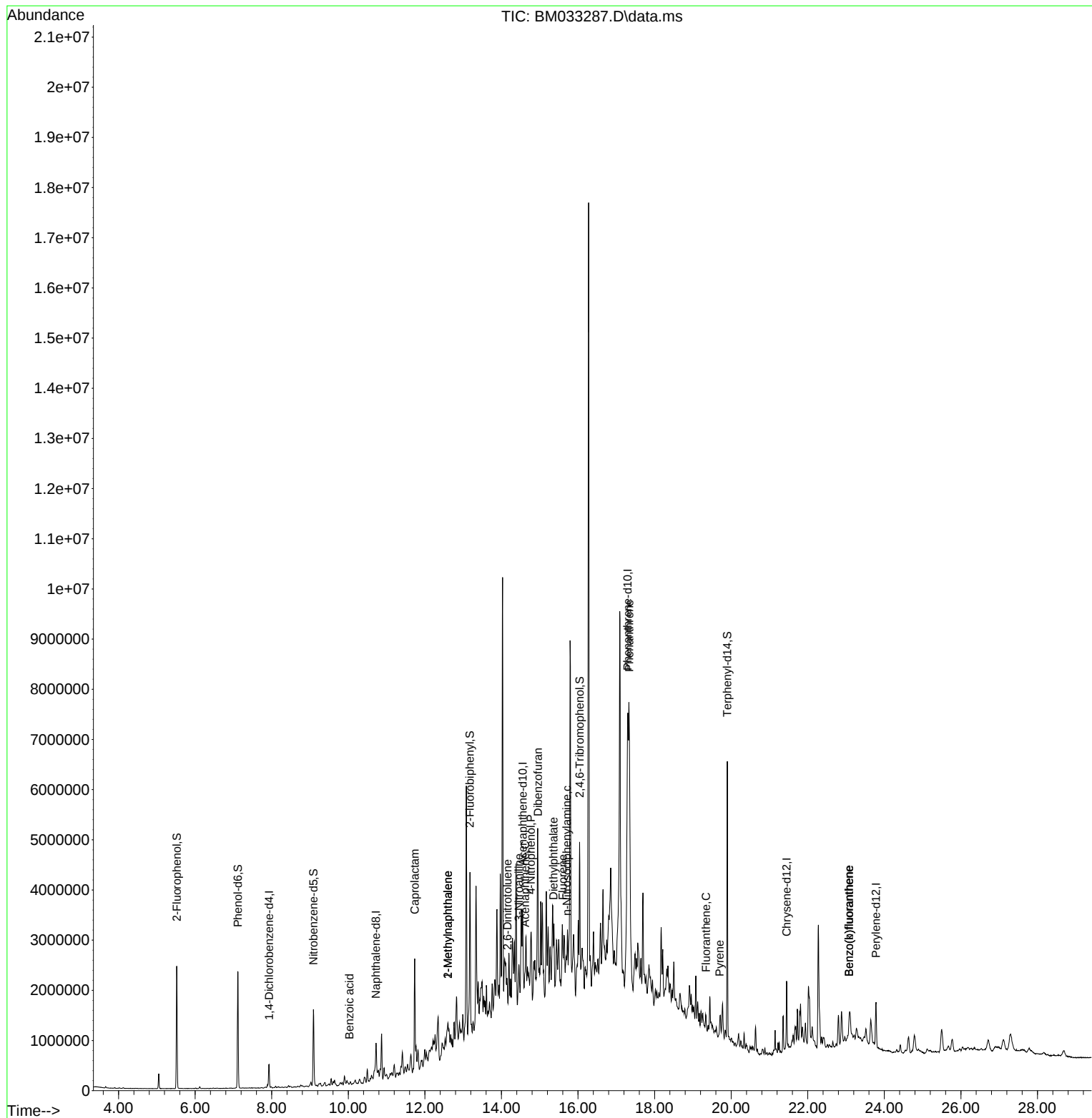
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.931	152	120753	20.000	ng	0.00
21) Naphthalene-d8	10.725	136	489112	20.000	ng	#-0.01
39) Acenaphthene-d10	14.554	164	311052	20.000	ng	0.00
64) Phenanthrene-d10	17.295	188	629249	20.000	ng	# 0.00
76) Chrysene-d12	21.447	240	618923	20.000	ng	# 0.00
86) Perylene-d12	23.783	264	646849	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.519	112	909522	124.383	ng	0.01
7) Phenol-d6	7.119	99	1206826	123.231	ng	0.02
23) Nitrobenzene-d5	9.089	82	862613	81.874	ng	-0.01
42) 2,4,6-Tribromophenol	16.042	330	358458	105.716	ng	0.00
45) 2-Fluorobiphenyl	13.177	172	1599794	72.534	ng	0.00
79) Terphenyl-d14	19.901	244	2378068	75.977	ng	0.00
Target Compounds						
9) Benzaldehyde	7.078	77	542	Below Cal		Qvalue # 43
32) Benzoic acid	10.031	122	391	5.301	ng	# 1
35) Caprolactam	11.736	113	79647	56.814	ng	# 51
37) 2-Methylnaphthalene	12.601	142	209234	11.912	ng	96
38) 1-Methylnaphthalene	12.601	142	209348	12.216	ng	100
51) 2,6-Dinitrotoluene	14.160	165	9741	2.201	ng	# 41
52) Acenaphthene	14.618	154	74992	4.373	ng	95
53) 3-Nitroaniline	14.460	138	20422	4.330	ng	# 20
55) Dibenzofuran	14.954	168	74412	2.609	ng	# 1
56) 4-Nitrophenol	14.766	139	45901	12.144	ng	# 44
58) Fluorene	15.601	166	132226	5.922	ng	# 81
60) Diethylphthalate	15.360	149	66630	3.038	ng	# 66
66) n-Nitrosodiphenylamine	15.707	169	117627	6.372	ng	92
71) Phenanthrene	17.336	178	207413	5.997	ng	# 81
75) Fluoranthene	19.342	202	99897	2.513	ng	83
78) Pyrene	19.701	202	172056	4.223	ng	# 94
88) Benzo(b)fluoranthene	23.077	252	96912	2.467	ng	# 80
89) Benzo(k)fluoranthene	23.077	252	96912	2.458	ng	# 78

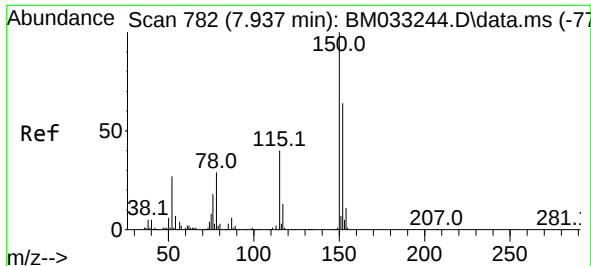
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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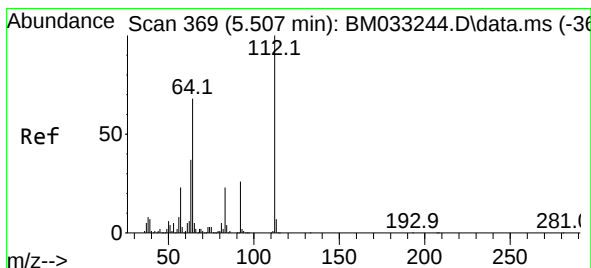
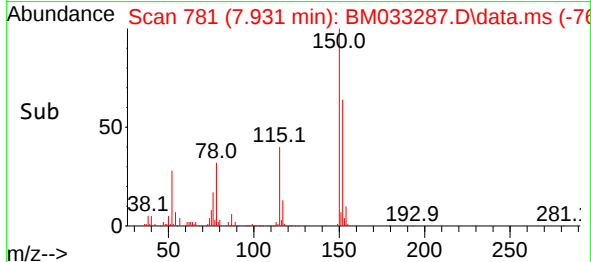
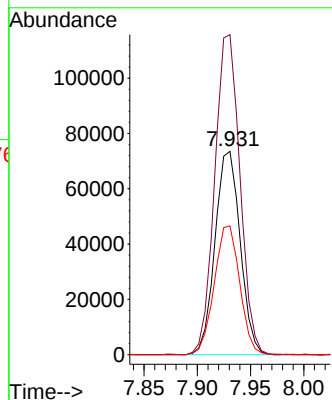
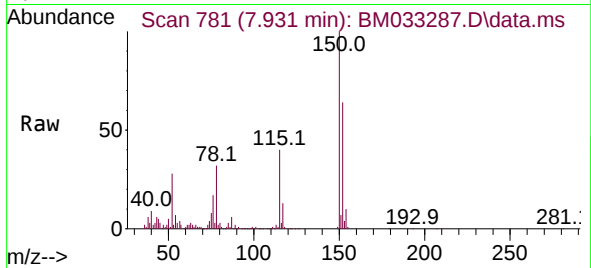




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.931 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

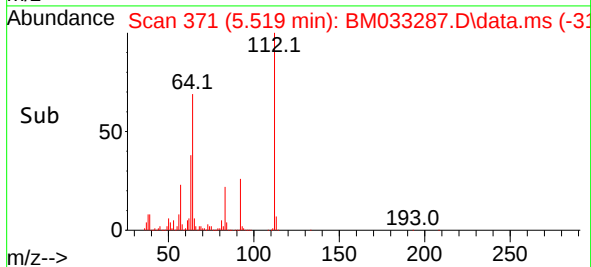
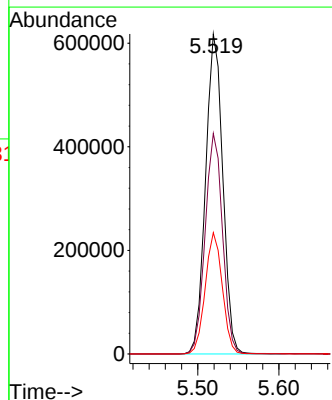
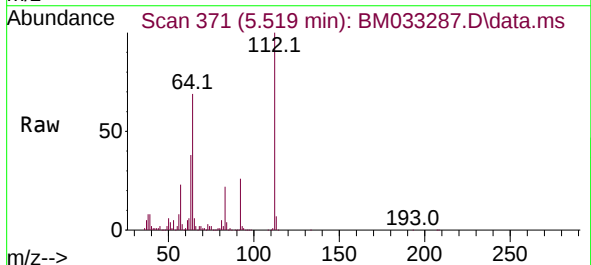
Instrument :
BNA_M
ClientSampleId :
SB-1-4.5

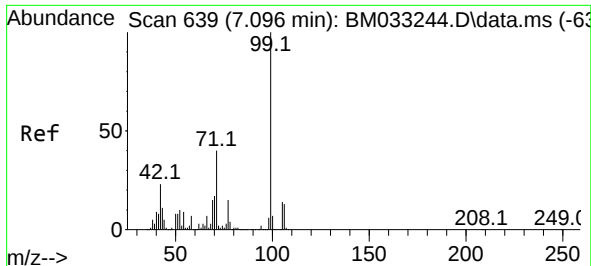
Tgt Ion:152 Resp: 120753
Ion Ratio Lower Upper
152 100
150 157.3 122.4 183.6
115 63.3 53.8 80.8



#5
2-Fluorophenol
Concen: 124.383 ng
RT: 5.519 min Scan# 371
Delta R.T. 0.012 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

Tgt Ion:112 Resp: 909522
Ion Ratio Lower Upper
112 100
64 68.9 53.7 80.5
63 37.9 33.9 50.9

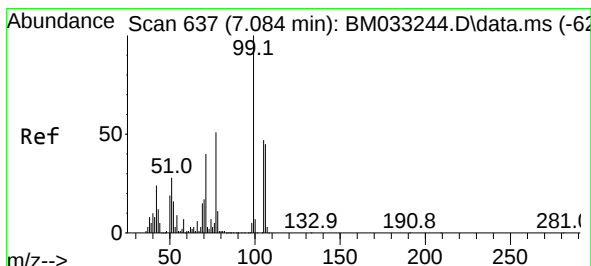
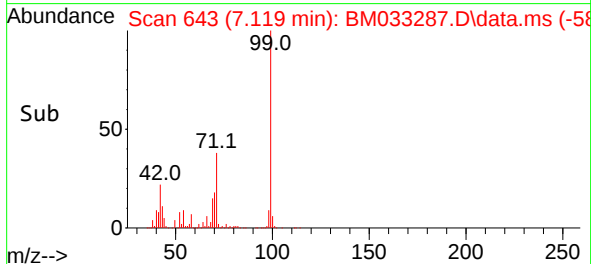
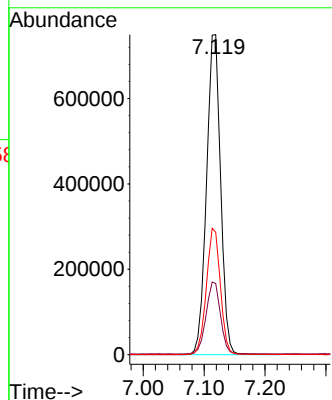
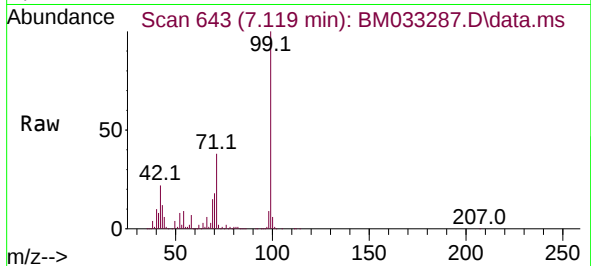




#7
Phenol-d6
Concen: 123.231 ng
RT: 7.119 min Scan# 643
Delta R.T. 0.023 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

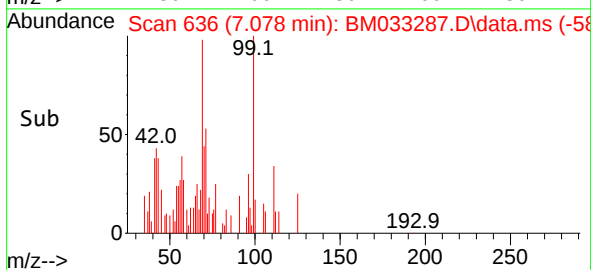
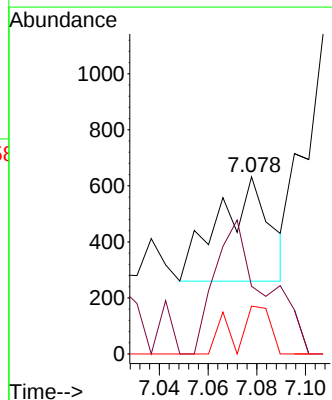
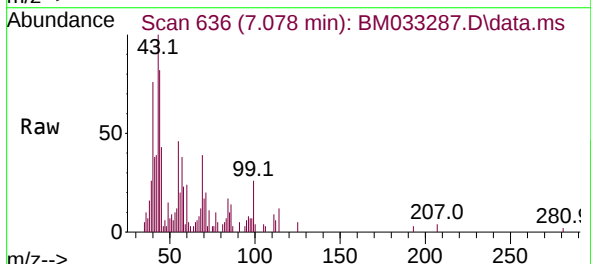
Instrument :
BNA_M
ClientSampleId :
SB-1-4.5

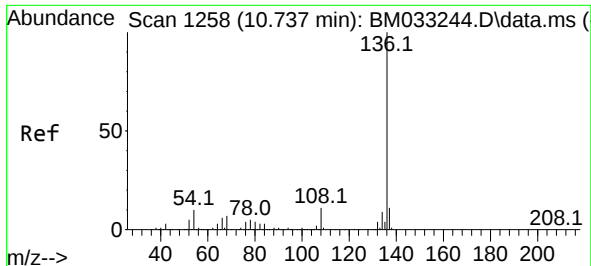
Tgt Ion: 99 Resp: 1206826
Ion Ratio Lower Upper
99 100
42 22.3 23.0 34.6#
71 38.3 37.8 56.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.078 min Scan# 636
Delta R.T. -0.006 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

Tgt Ion: 77 Resp: 542
Ion Ratio Lower Upper
77 100
105 38.3 68.9 108.9#
106 27.1 61.2 101.2#

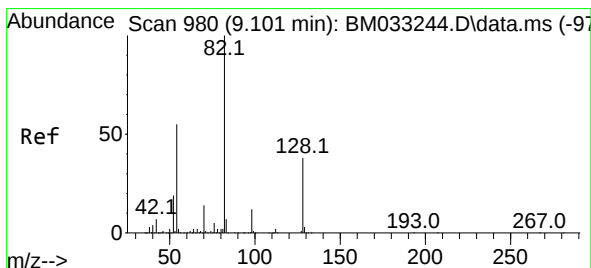
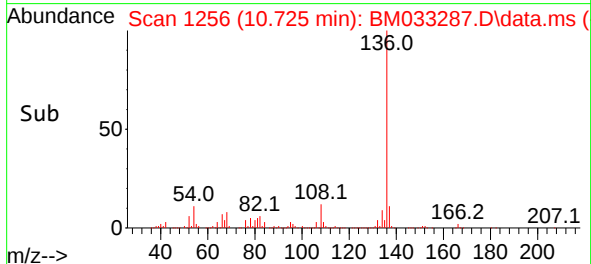
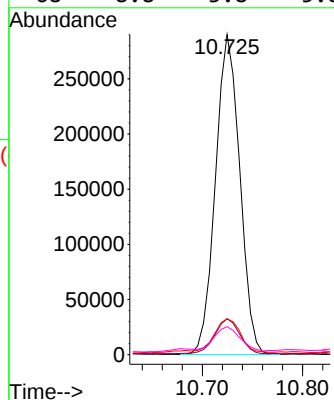
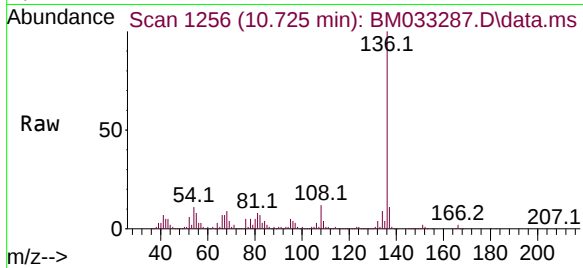




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

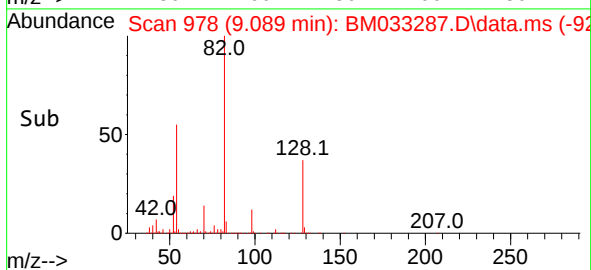
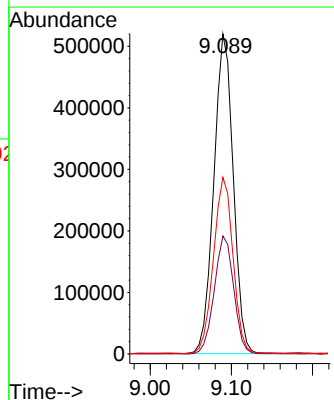
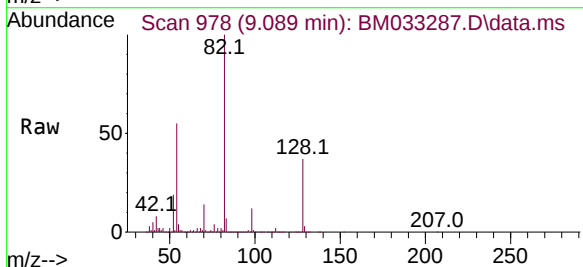
Instrument :
BNA_M
ClientSampleId :
SB-1-4.5

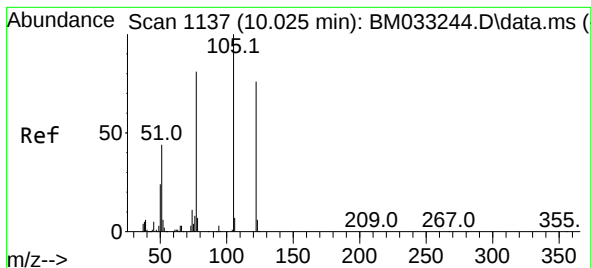
Tgt Ion:136 Resp: 489112
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 11.2 7.4 11.0#
68 8.8 3.8 5.8#



#23
Nitrobenzene-d5
Concen: 81.874 ng
RT: 9.089 min Scan# 978
Delta R.T. -0.012 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

Tgt Ion: 82 Resp: 862613
Ion Ratio Lower Upper
82 100
128 36.9 29.0 43.6
54 55.2 45.8 68.8





#32

Benzoic acid

Concen: 5.301 ng

RT: 10.031 min Scan# 1137

Delta R.T. 0.006 min

Lab File: BM033287.D

Acq: 03 Dec 2021 15:37

Instrument :

BNA_M

ClientSampleId :

SB-1-4.5

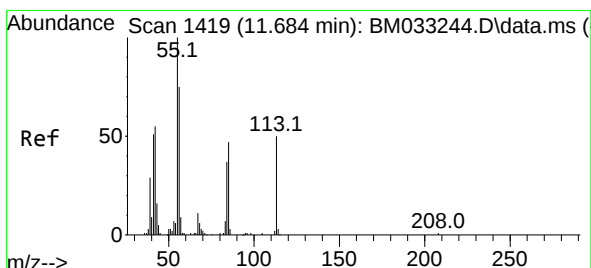
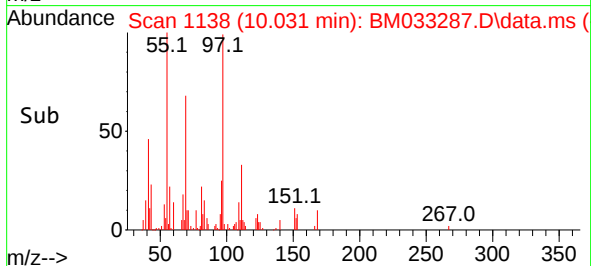
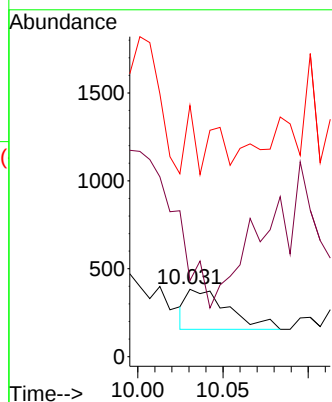
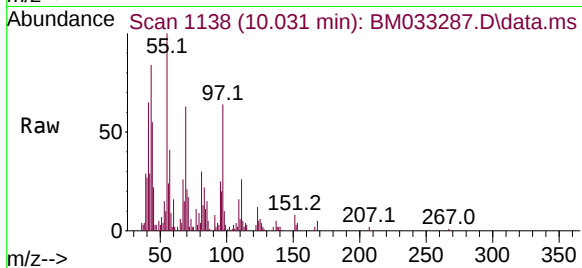
Tgt Ion:122 Resp: 391

Ion Ratio Lower Upper

122 100

105 113.1 120.3 160.3#

77 373.1 100.0 140.0#



#35

Caprolactam

Concen: 56.814 ng

RT: 11.736 min Scan# 1428

Delta R.T. 0.053 min

Lab File: BM033287.D

Acq: 03 Dec 2021 15:37

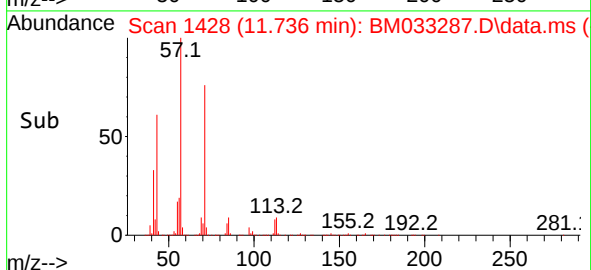
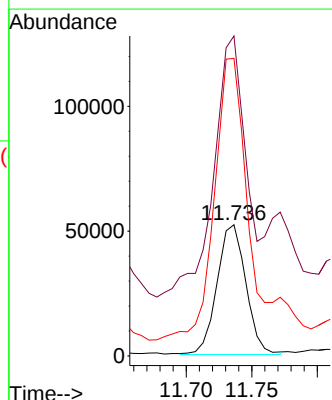
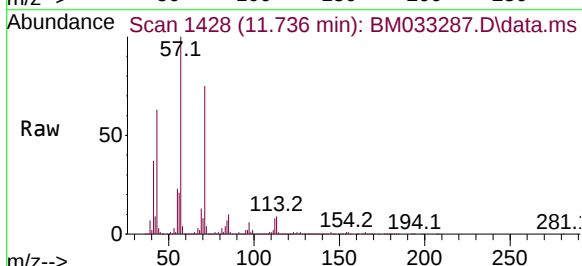
Tgt Ion:113 Resp: 79647

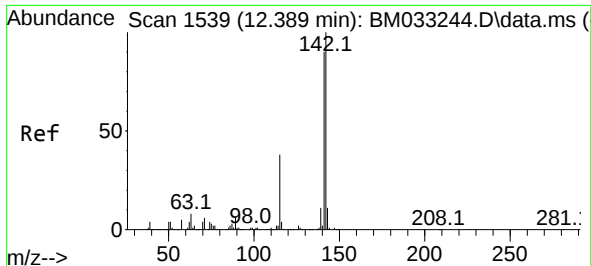
Ion Ratio Lower Upper

113 100

55 243.8 170.5 210.5#

56 226.8 125.2 165.2#





#37

2-Methylnaphthalene

Concen: 11.912 ng

RT: 12.601 min Scan# 1575

Delta R.T. 0.212 min

Lab File: BM033287.D

Acq: 03 Dec 2021 15:37

Instrument :

BNA_M

ClientSampleId :

SB-1-4.5

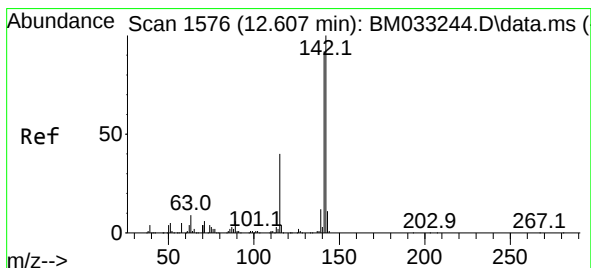
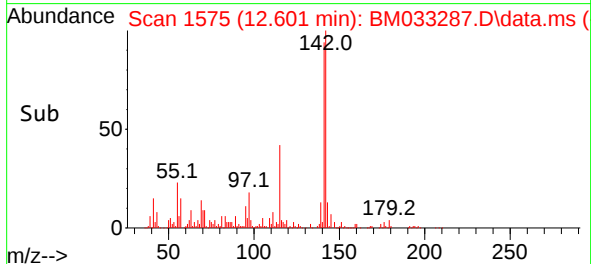
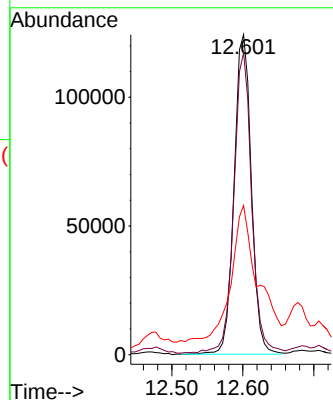
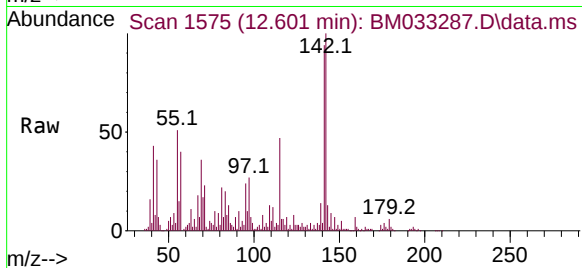
Tgt Ion:142 Resp: 209234

Ion Ratio Lower Upper

142 100

141 94.4 71.8 107.6

115 46.6 36.3 54.5



#38

1-Methylnaphthalene

Concen: 12.216 ng

RT: 12.601 min Scan# 1575

Delta R.T. -0.006 min

Lab File: BM033287.D

Acq: 03 Dec 2021 15:37

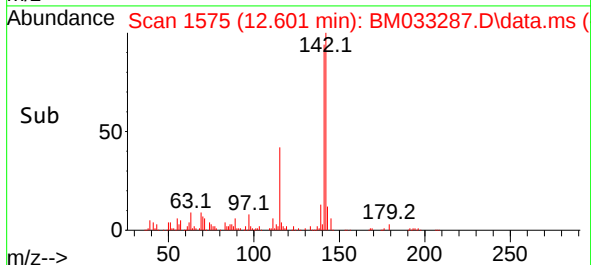
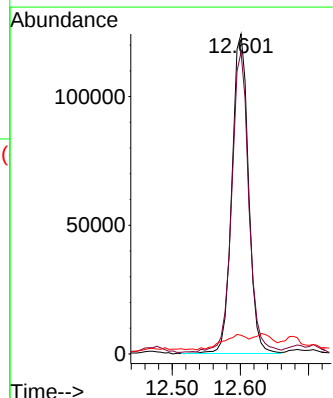
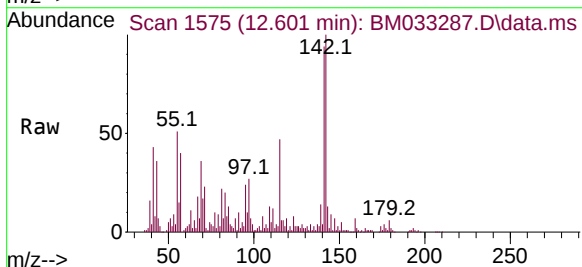
Tgt Ion:142 Resp: 209348

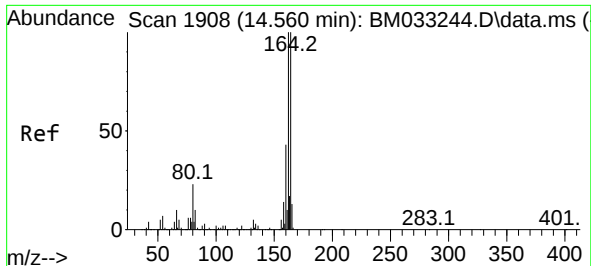
Ion Ratio Lower Upper

142 100

141 94.4 75.6 113.4

116 5.8 4.0 6.0

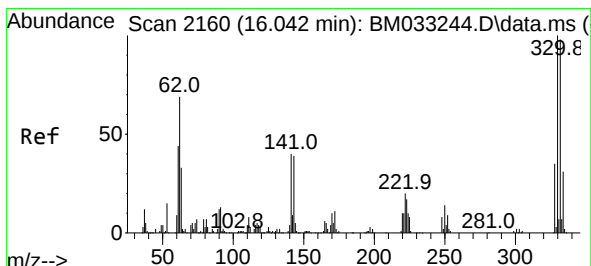
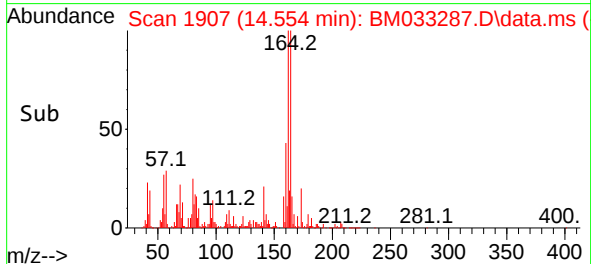
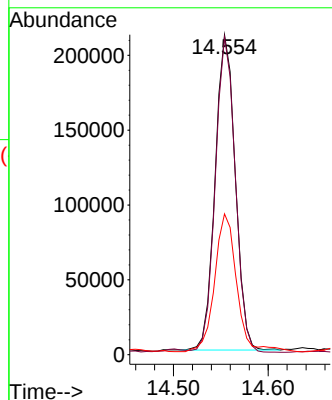
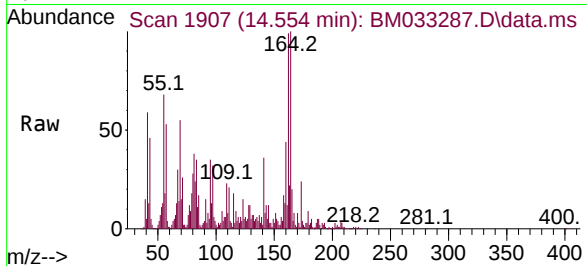




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.554 min Scan# 1908
Delta R.T. -0.006 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

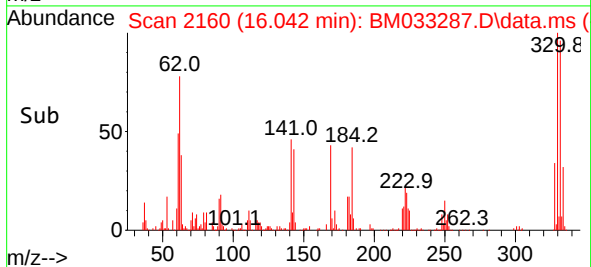
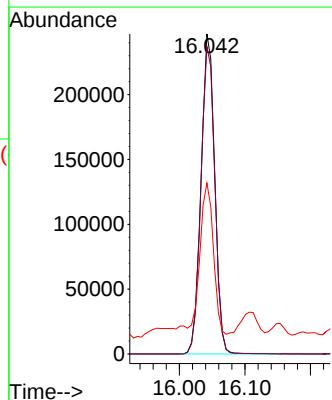
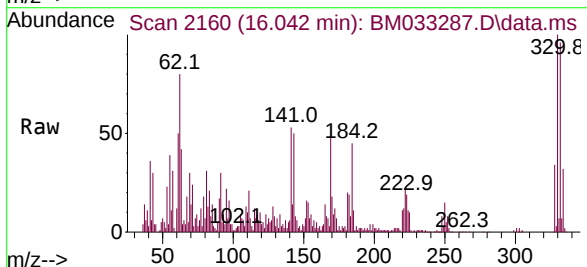
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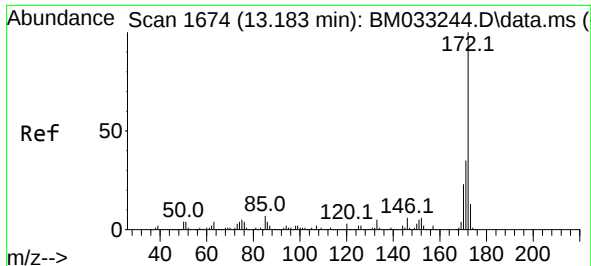
Tgt Ion:164 Resp: 311052
Ion Ratio Lower Upper
164 100
162 99.3 80.6 121.0
160 44.0 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 105.716 ng
RT: 16.042 min Scan# 2160
Delta R.T. -0.000 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

Tgt Ion:330 Resp: 358458
Ion Ratio Lower Upper
330 100
332 97.7 75.7 113.5
141 49.6 50.7 76.1#

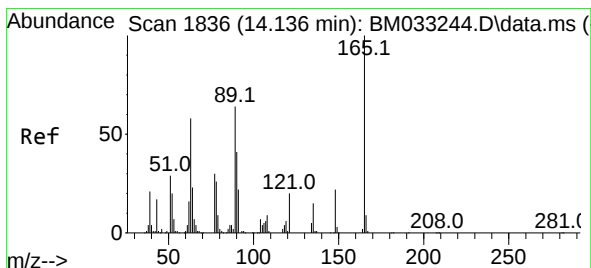
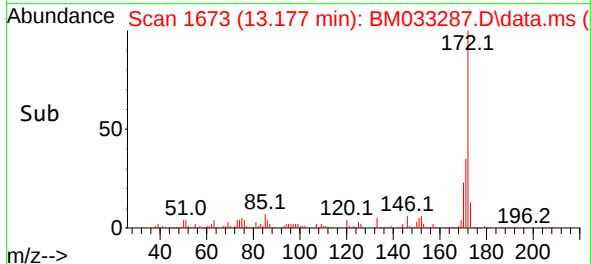
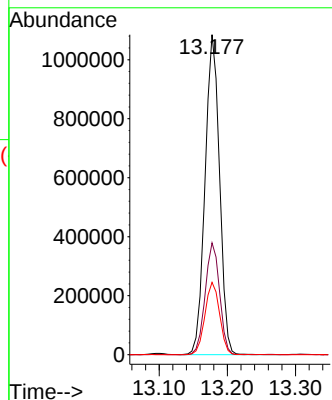
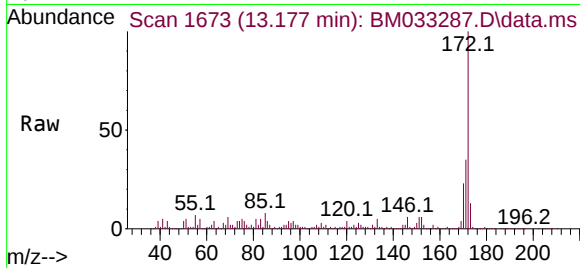




#45
2-Fluorobiphenyl
Concen: 72.534 ng
RT: 13.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

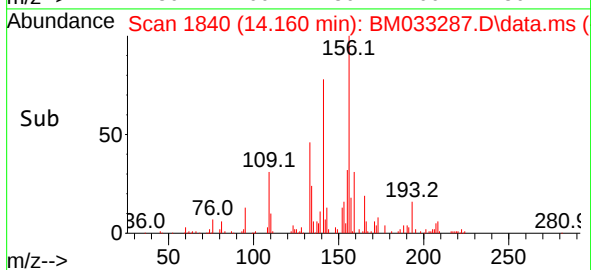
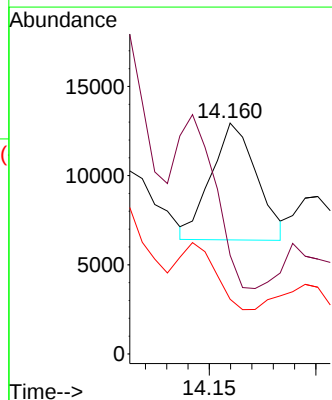
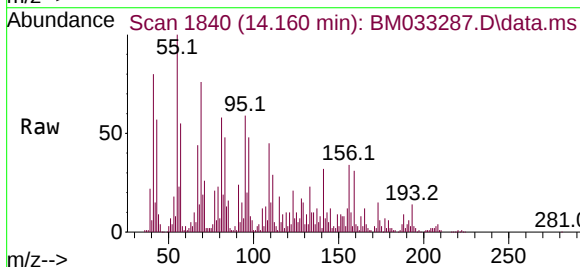
Instrument :
BNA_M
ClientSampleId :
SB-1-4.5

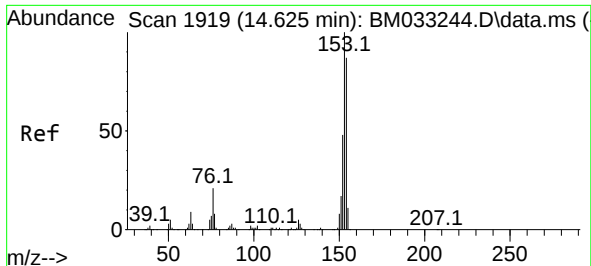
Tgt Ion:172 Resp: 1599794
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 22.6 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 2.201 ng
RT: 14.160 min Scan# 1840
Delta R.T. 0.023 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

Tgt Ion:165 Resp: 9741
Ion Ratio Lower Upper
165 100
63 42.8 72.4 108.6#
89 23.7 69.3 103.9#

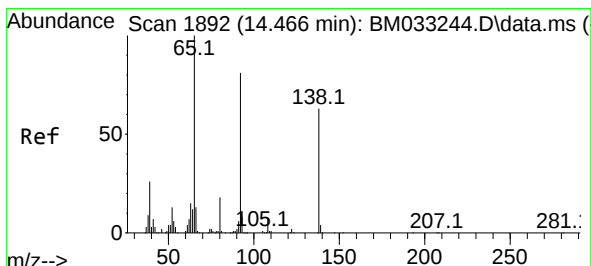
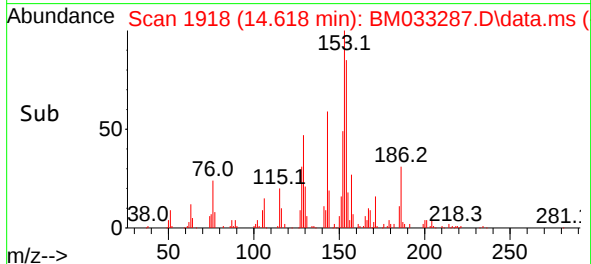
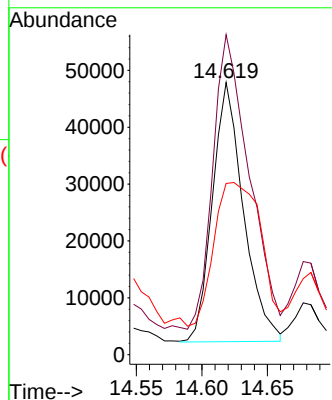
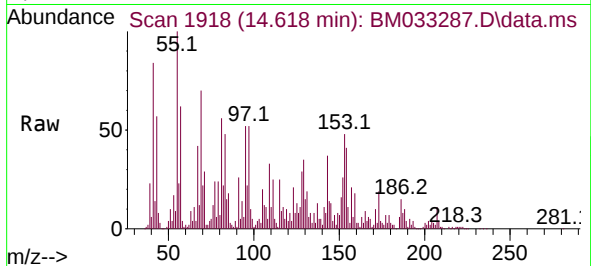




#52
Acenaphthene
Concen: 4.373 ng
RT: 14.618 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

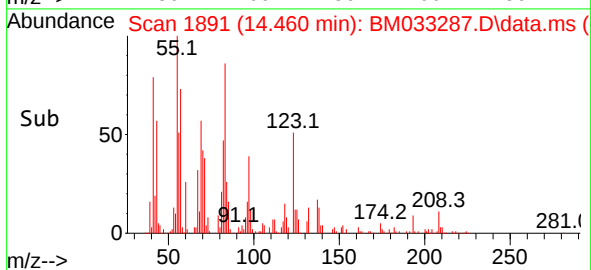
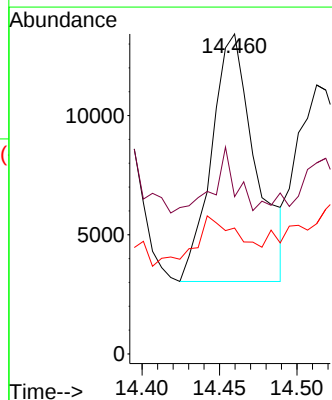
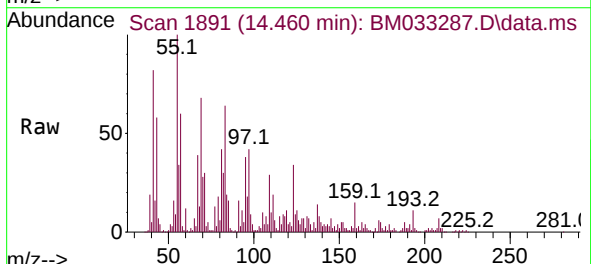
Instrument :
BNA_M
ClientSampleId :
SB-1-4.5

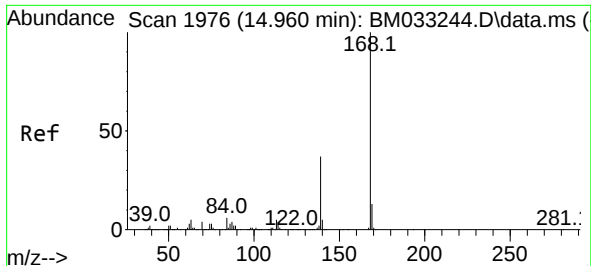
Tgt Ion:154 Resp: 74992
Ion Ratio Lower Upper
154 100
153 117.5 92.4 138.6
152 62.9 43.7 65.5



#53
3-Nitroaniline
Concen: 4.330 ng
RT: 14.460 min Scan# 1891
Delta R.T. -0.006 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

Tgt Ion:138 Resp: 20422
Ion Ratio Lower Upper
138 100
108 49.1 8.3 12.5#
92 39.4 105.2 157.8#

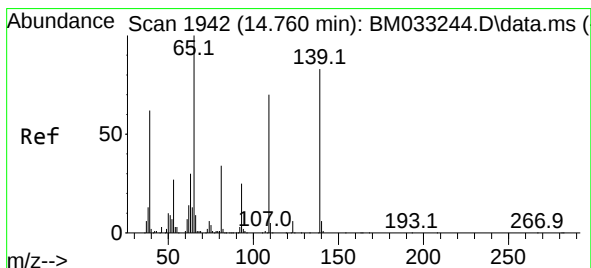
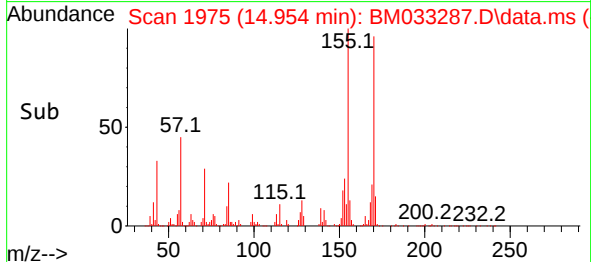
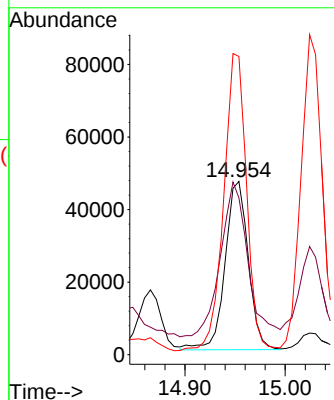
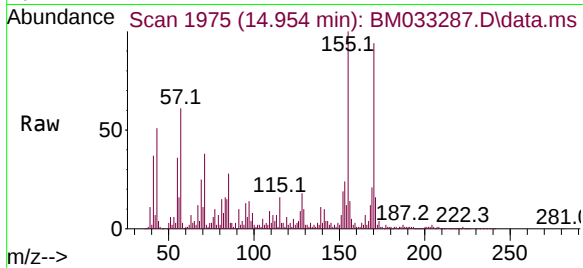




#55
Dibenzenofuran
Concen: 2.609 ng
RT: 14.954 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

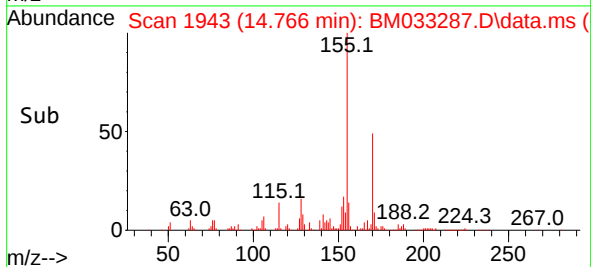
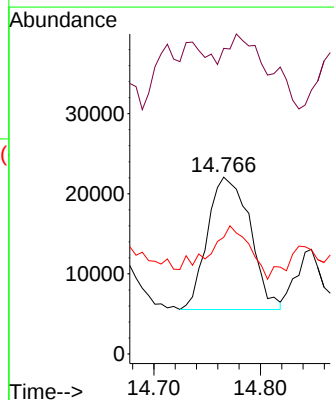
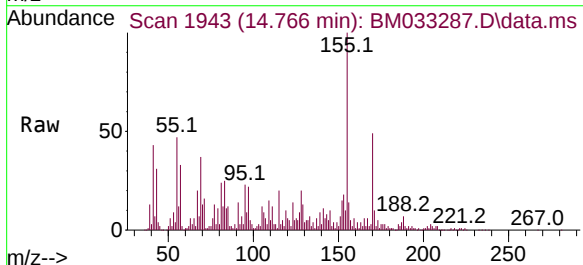
Instrument :
BNA_M
ClientSampleId :
SB-1-4.5

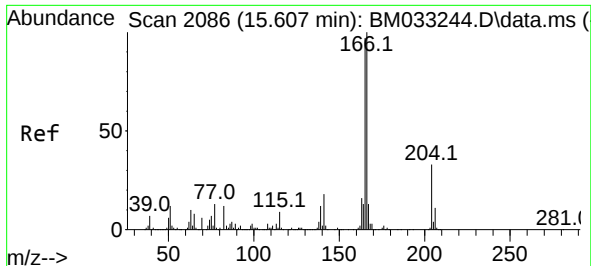
Tgt Ion:168 Resp: 74412
Ion Ratio Lower Upper
168 100
139 90.5 35.0 52.4#
169 172.2 10.8 16.2#



#56
4-Nitrophenol
Concen: 12.144 ng
RT: 14.766 min Scan# 1943
Delta R.T. 0.006 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

Tgt Ion:139 Resp: 45901
Ion Ratio Lower Upper
139 100
109 172.8 92.3 132.3#
65 66.0 110.5 150.5#

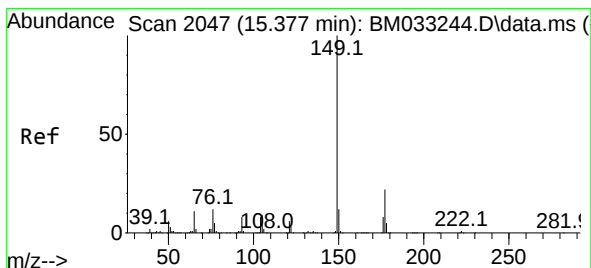
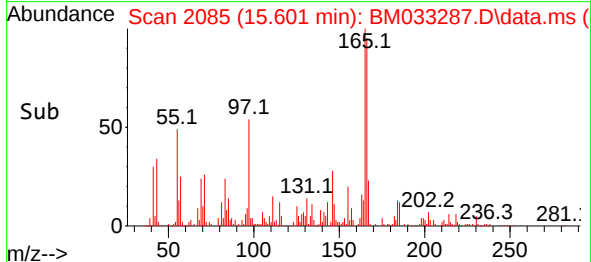
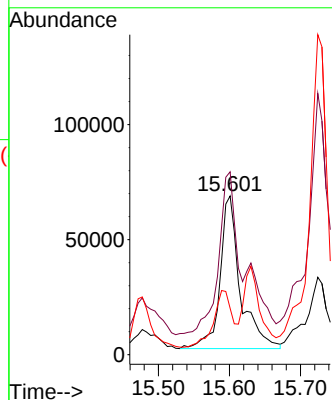
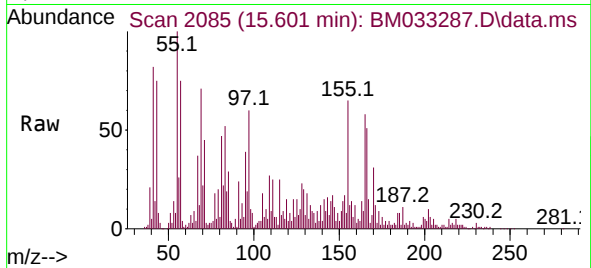




#58
Fluorene
Concen: 5.922 ng
RT: 15.601 min Scan# 2086
Delta R.T. -0.006 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

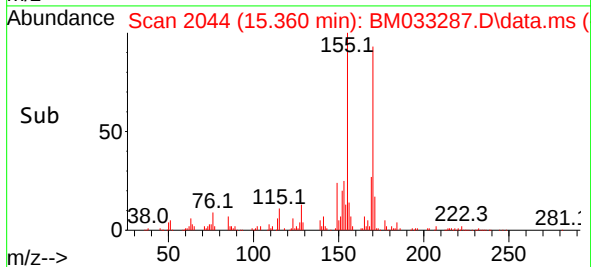
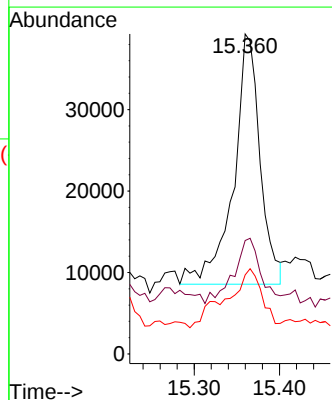
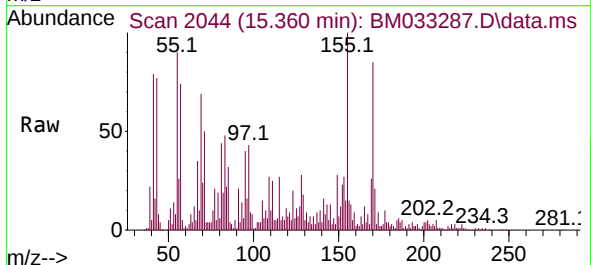
Instrument :
BNA_M
ClientSampleId :
SB-1-4.5

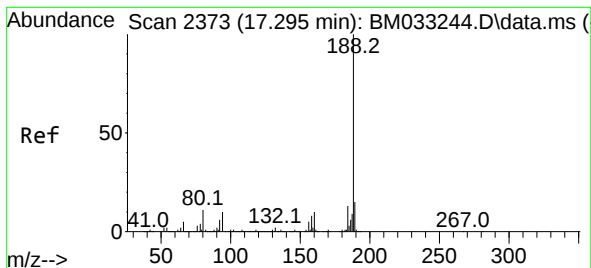
Tgt Ion:166 Resp: 132226
Ion Ratio Lower Upper
166 100
165 115.3 79.3 118.9
167 29.3 10.6 16.0#



#60
Diethylphthalate
Concen: 3.038 ng
RT: 15.360 min Scan# 2044
Delta R.T. -0.018 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

Tgt Ion:149 Resp: 66630
Ion Ratio Lower Upper
149 100
177 35.5 15.7 23.5#
150 24.7 9.6 14.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.295 min Scan# 2103

Delta R.T. -0.000 min

Lab File: BM033287.D

Acq: 03 Dec 2021 15:37

Instrument :

BNA_M

ClientSampleId :

SB-1-4.5

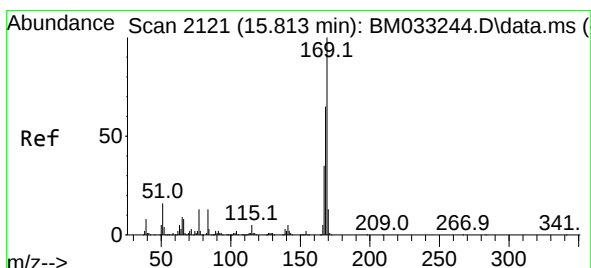
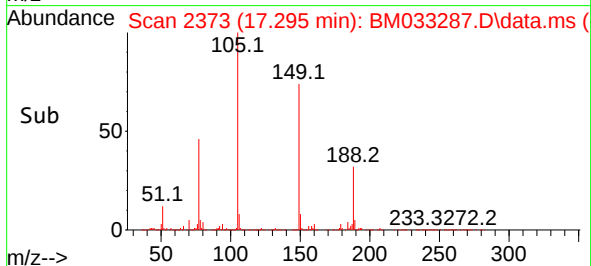
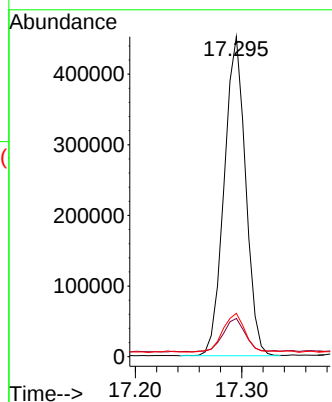
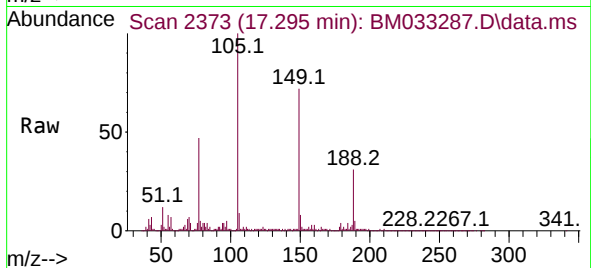
Tgt Ion:188 Resp: 629249

Ion Ratio Lower Upper

188 100

94 12.0 6.3 9.5#

80 13.5 7.3 10.9#



#66

n-Nitrosodiphenylamine

Concen: 6.372 ng

RT: 15.707 min Scan# 2103

Delta R.T. -0.106 min

Lab File: BM033287.D

Acq: 03 Dec 2021 15:37

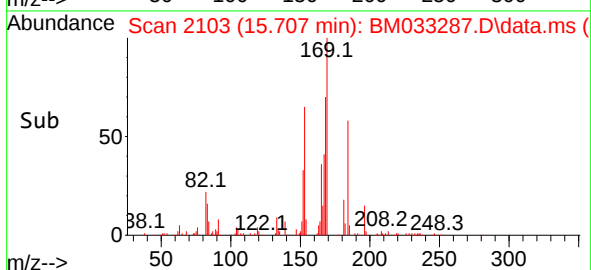
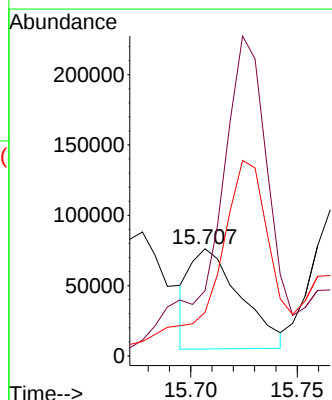
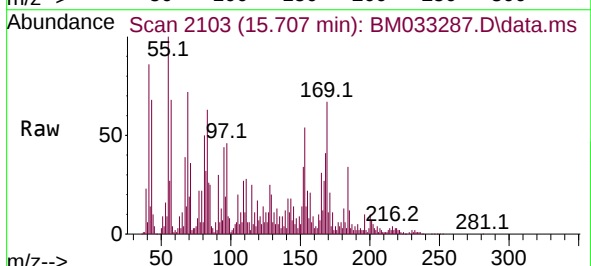
Tgt Ion:169 Resp: 117627

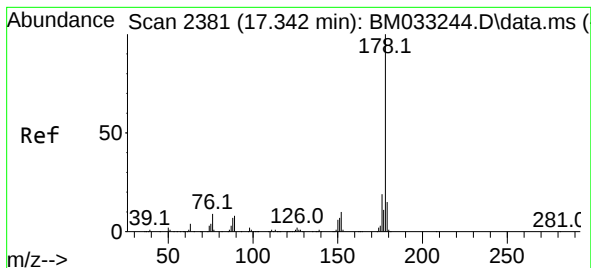
Ion Ratio Lower Upper

169 100

168 60.8 55.0 82.4

167 40.5 29.8 44.8





#71

Phenanthrene

Concen: 5.997 ng

RT: 17.336 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM033287.D

Acq: 03 Dec 2021 15:37

Instrument :

BNA_M

ClientSampleId :

SB-1-4.5

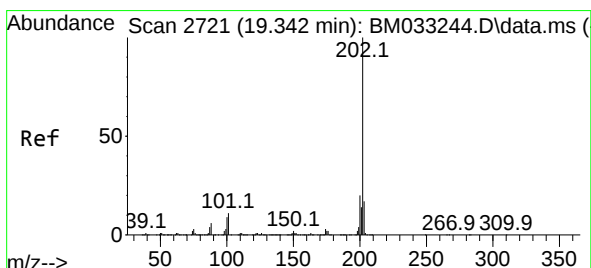
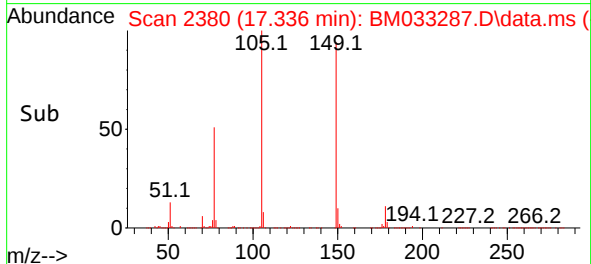
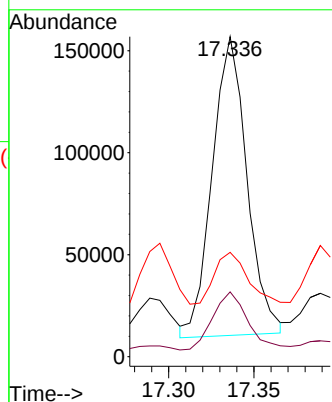
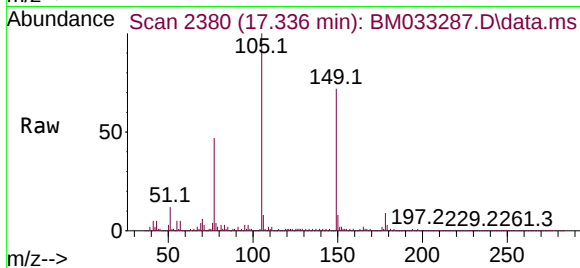
Tgt Ion:178 Resp: 207413

Ion Ratio Lower Upper

178 100

176 20.3 15.6 23.4

179 32.6 12.4 18.6#



#75

Fluoranthene

Concen: 2.513 ng

RT: 19.342 min Scan# 2721

Delta R.T. -0.000 min

Lab File: BM033287.D

Acq: 03 Dec 2021 15:37

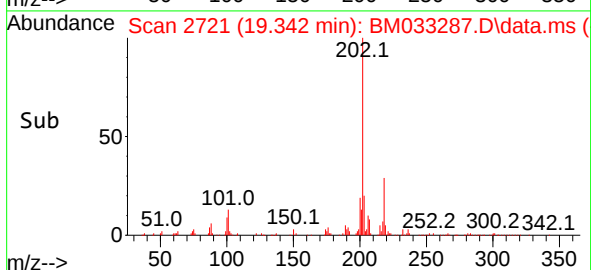
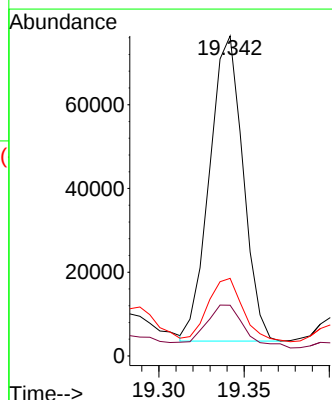
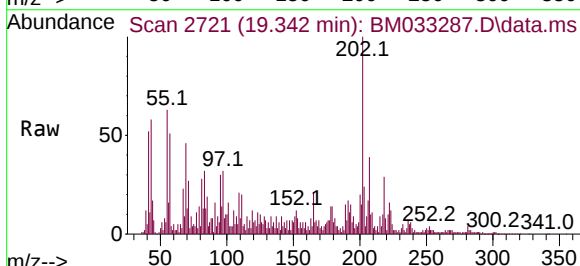
Tgt Ion:202 Resp: 99897

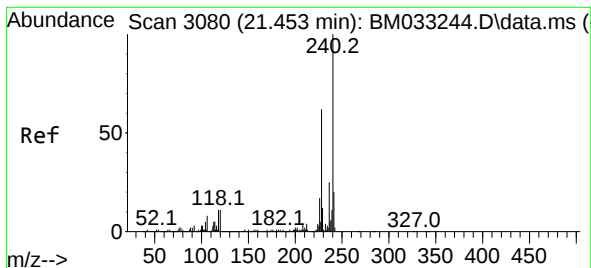
Ion Ratio Lower Upper

202 100

101 15.8 0.0 29.9

203 24.3 0.0 36.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.447 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM033287.D

Acq: 03 Dec 2021 15:37

Instrument :

BNA_M

ClientSampleId :

SB-1-4.5

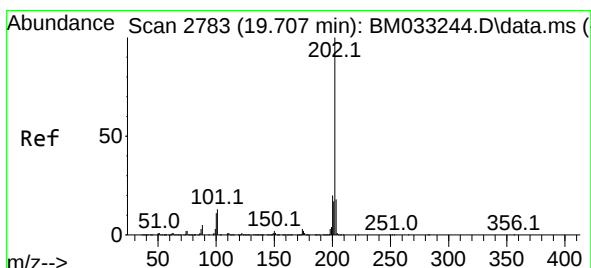
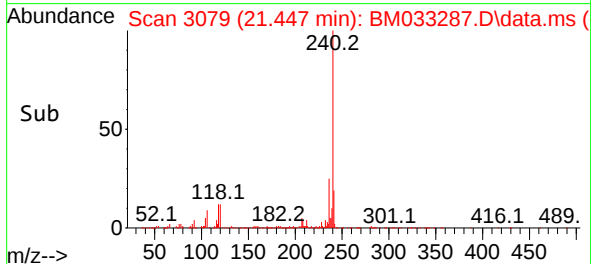
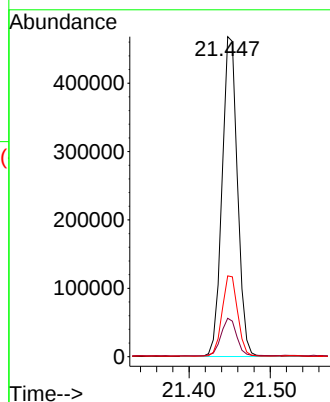
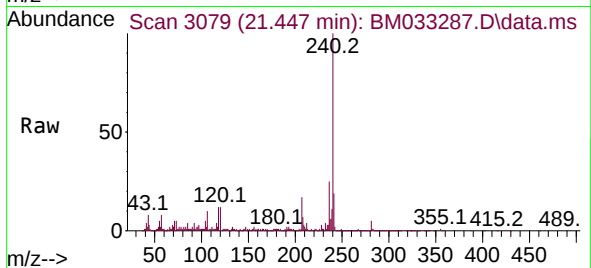
Tgt Ion:240 Resp: 618923

Ion Ratio Lower Upper

240 100

120 12.0 7.8 11.6#

236 25.2 20.9 31.3



#78

Pyrene

Concen: 4.223 ng

RT: 19.701 min Scan# 2782

Delta R.T. -0.006 min

Lab File: BM033287.D

Acq: 03 Dec 2021 15:37

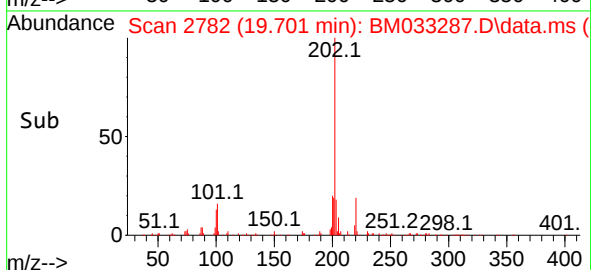
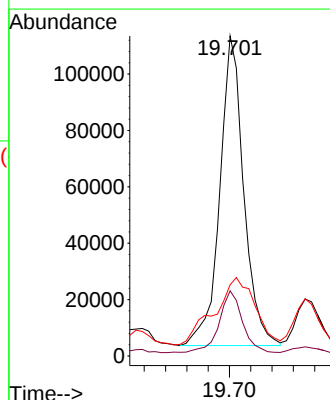
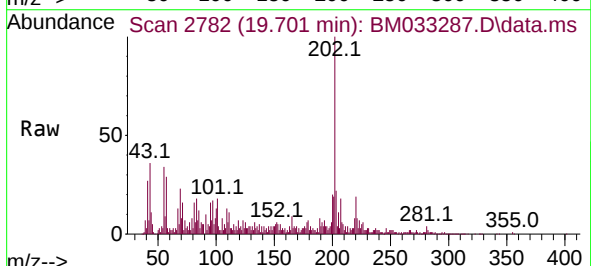
Tgt Ion:202 Resp: 172056

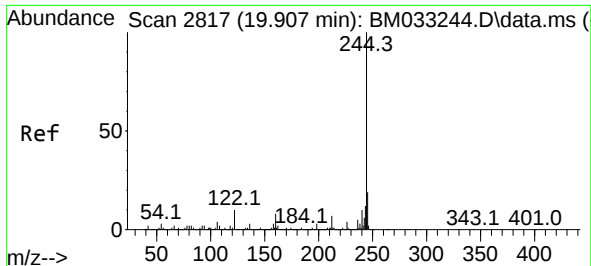
Ion Ratio Lower Upper

202 100

200 20.3 16.6 25.0

203 22.3 13.7 20.5#

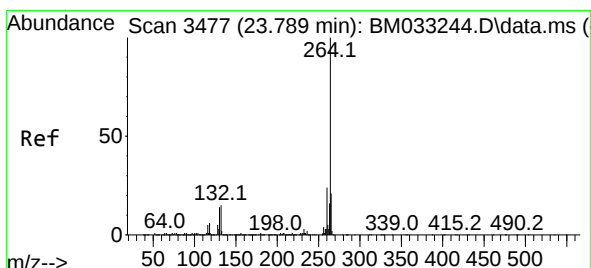
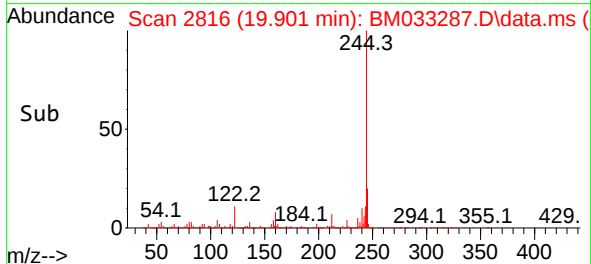
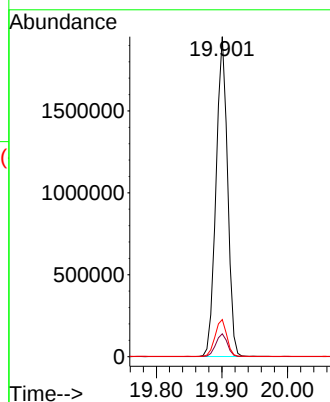
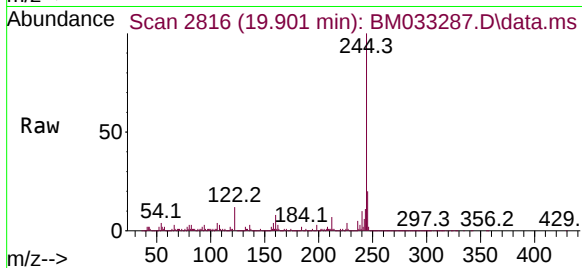




#79
 Terphenyl-d14
 Concen: 75.977 ng
 RT: 19.901 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM033287.D
 Acq: 03 Dec 2021 15:37

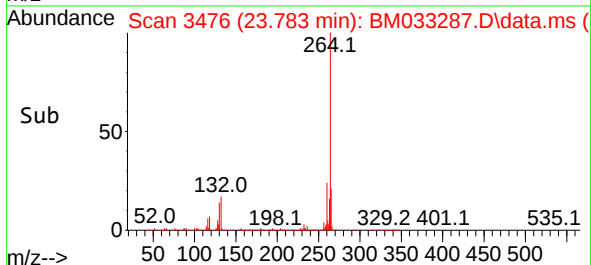
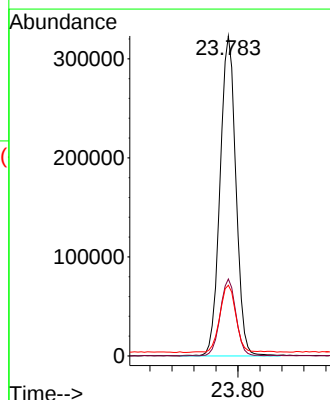
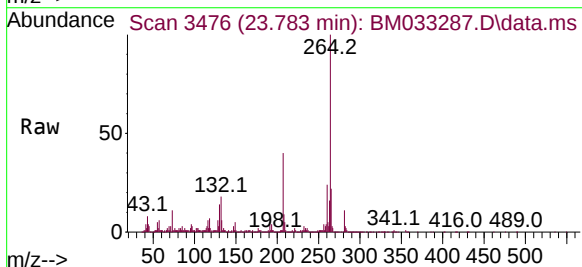
Instrument :
 BNA_M
 ClientSampleId :
 SB-1-4.5

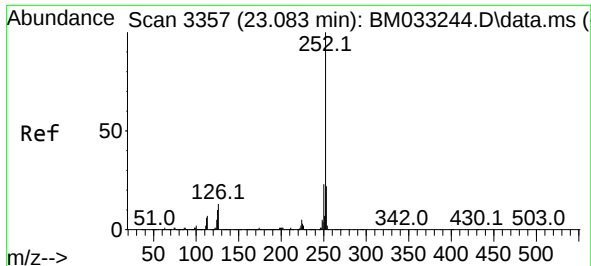
Tgt Ion:244 Resp: 2378068
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 11.6 8.7 13.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.783 min Scan# 3476
 Delta R.T. -0.006 min
 Lab File: BM033287.D
 Acq: 03 Dec 2021 15:37

Tgt Ion:264 Resp: 646849
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.3 28.9
 265 22.1 18.3 27.5

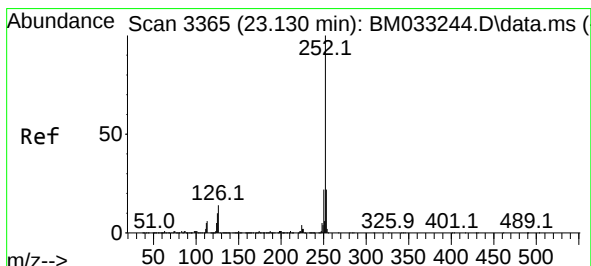
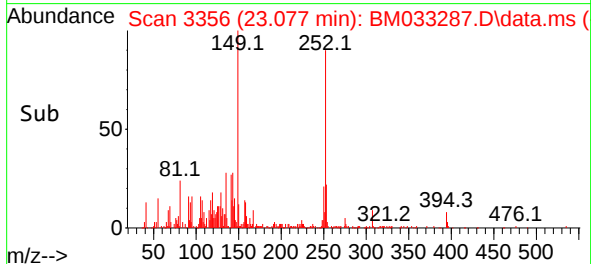
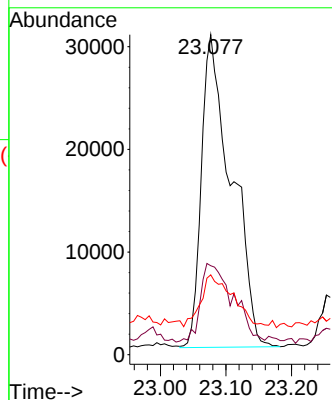
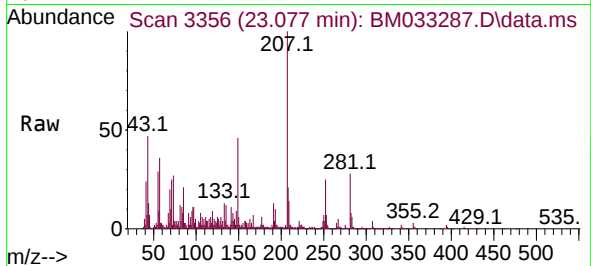




#88
Benzo(b)fluoranthene
Concen: 2.467 ng
RT: 23.077 min Scan# 3356
Delta R.T. -0.006 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

Instrument :
BNA_M
ClientSampleId :
SB-1-4.5

Tgt Ion:252 Resp: 96912
Ion Ratio Lower Upper
252 100
253 27.8 18.0 27.0#
125 25.0 7.5 11.3#



#89
Benzo(k)fluoranthene
Concen: 2.458 ng
RT: 23.077 min Scan# 3356
Delta R.T. -0.053 min
Lab File: BM033287.D
Acq: 03 Dec 2021 15:37

Tgt Ion:252 Resp: 96912
Ion Ratio Lower Upper
252 100
253 27.8 17.3 25.9#
125 25.0 7.5 11.3#

