

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121821\
 Data File : BM033531.D
 Acq On : 18 Dec 2021 22:27
 Operator : CG/JU
 Sample : M4873-04DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

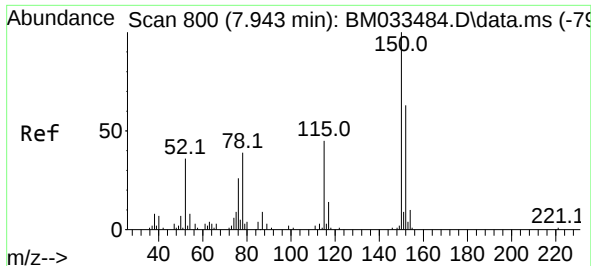
Quant Time: Dec 20 07:09:52 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 17:10:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.931	152	39340	20.000	ng	-0.01
21) Naphthalene-d8	10.742	136	186029	20.000	ng	-0.01
39) Acenaphthene-d10	14.577	164	148411	20.000	ng	-0.01
64) Phenanthrene-d10	17.324	188	314068	20.000	ng	-0.01
76) Chrysene-d12	21.500	240	301864	20.000	ng	-0.01
86) Perylene-d12	23.912	264	247957	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.495	112	18335	8.042	ng	0.00
7) Phenol-d6	7.101	99	28042	9.165	ng	-0.01
23) Nitrobenzene-d5	9.101	82	26522	6.122	ng	-0.01
42) 2,4,6-Tribromophenol	16.071	330	10802	6.470	ng	0.00
45) 2-Fluorobiphenyl	13.201	172	58683	5.470	ng	-0.01
79) Terphenyl-d14	19.942	244	101135	5.275	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.360	88	148	Below Cal		Qvalue # 17
9) Benzaldehyde	7.066	77	17242	5.662	ng	# 1
18) Hexachloroethane	9.036	117	72405	56.394	ng	# 1
19) n-Nitroso-di-n-propyla...	8.795	70	5714	2.369	ng	# 69
22) Acetophenone	8.731	105	115832	22.998	ng	# 55
24) Nitrobenzene	9.119	77	12501	2.937	ng	# 18
31) Naphthalene	10.789	128	397462	39.441	ng	98
32) Benzoic acid	10.048	122	59	2.996	ng	# 1
35) Caprolactam	11.760	113	11765	21.374	ng	# 13
37) 2-Methylnaphthalene	12.401	142	426115	61.127	ng	# 95
38) 1-Methylnaphthalene	12.618	142	211179	30.371	ng	# 99
46) 1,1'-Biphenyl	13.413	154	36508	3.322	ng	98
54) 2,4-Dinitrophenol	14.689	184	56	7.091	ng	# 1
56) 4-Nitrophenol	14.783	139	10739	10.417	ng	# 44
58) Fluorene	15.624	166	26270	2.363	ng	# 81
62) 4-Nitroaniline	15.630	138	206	2.662	ng	# 64
71) Phenanthrene	17.365	178	72423	4.143	ng	97
72) Anthracene	17.365	178	72469	4.241	ng	96

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

Quant Time: Dec 20 07:09:52 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 17:10:15 2021
Response via : Initial Calibration

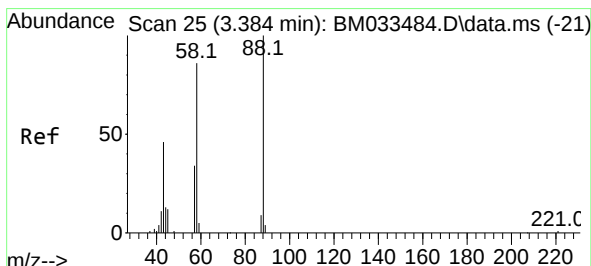
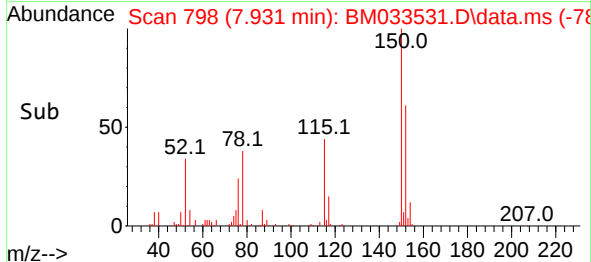
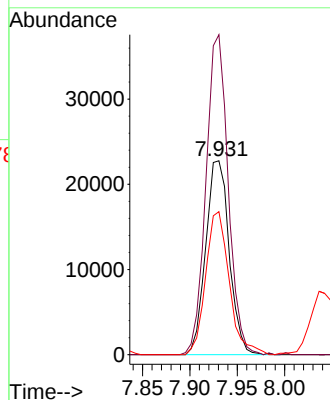
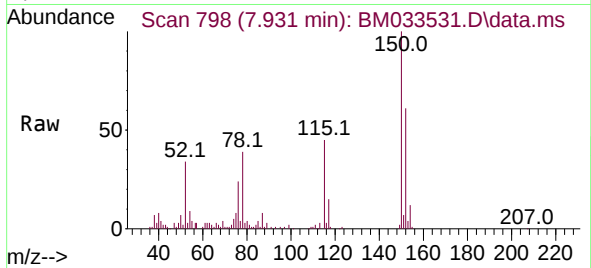




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.931 min Scan# 79
Delta R.T. -0.012 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

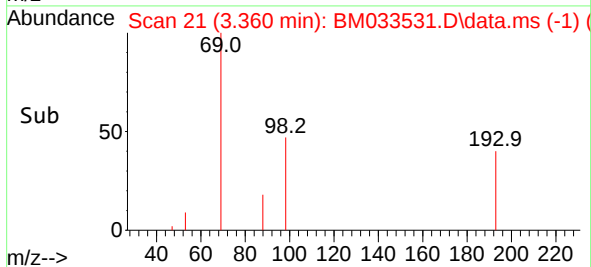
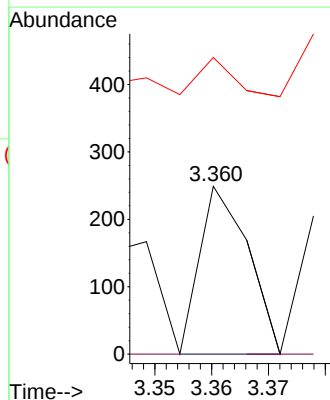
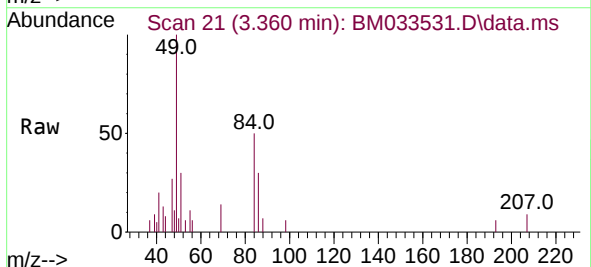
Instrument :
BNA_M
ClientSampleId :

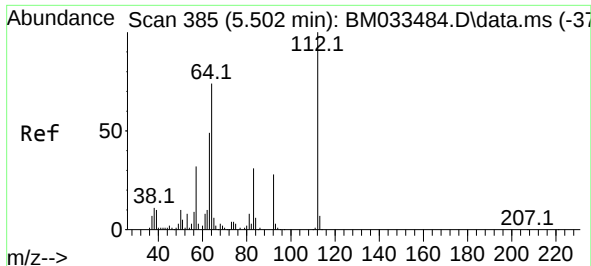
Tgt Ion:152 Resp: 39340
Ion Ratio Lower Upper
152 100
150 165.0 128.9 193.3
115 73.8 53.0 79.6



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.360 min Scan# 21
Delta R.T. -0.024 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

Tgt Ion: 88 Resp: 148
Ion Ratio Lower Upper
88 100
58 0.0 67.0 100.4#
43 0.0 31.6 47.4#

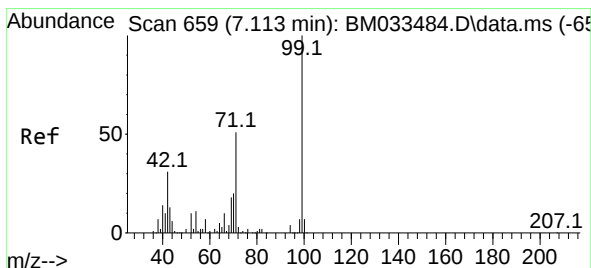
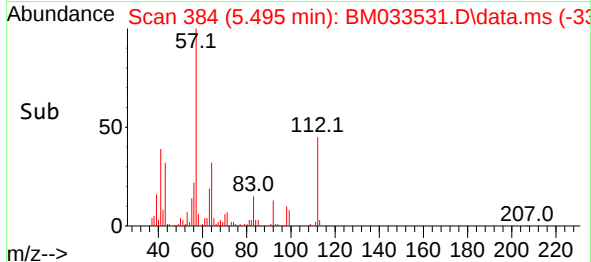
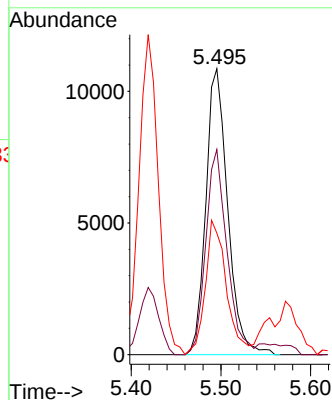
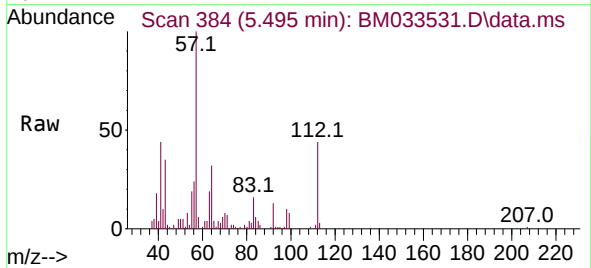




#5
2-Fluorophenol
Concen: 8.042 ng
RT: 5.495 min Scan# 31
Delta R.T. -0.007 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

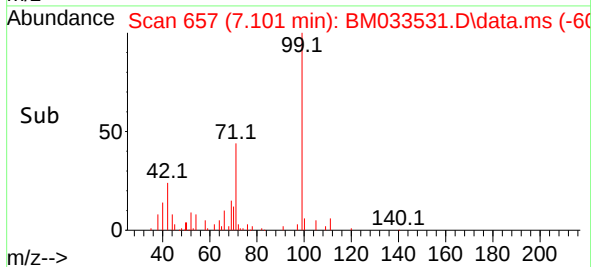
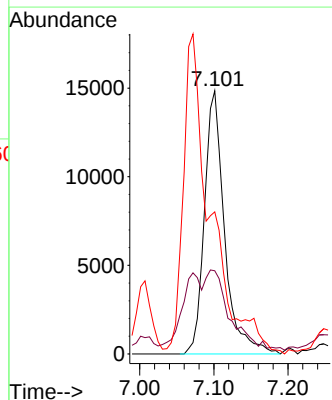
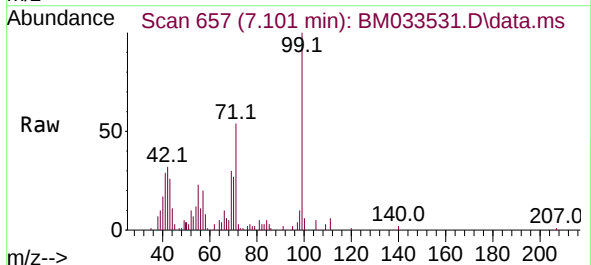
Instrument :
BNA_M
ClientSampleId :

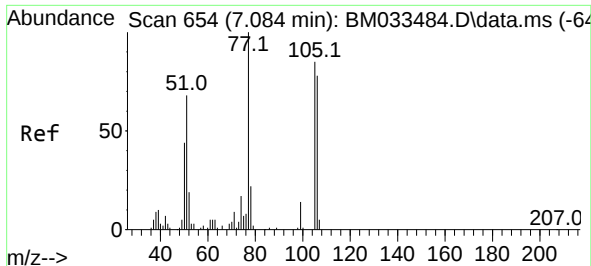
Tgt Ion:112 Resp: 18335
Ion Ratio Lower Upper
112 100
64 71.7 55.5 83.3
63 42.5 31.3 46.9



#7
Phenol-d6
Concen: 9.165 ng
RT: 7.101 min Scan# 657
Delta R.T. -0.012 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

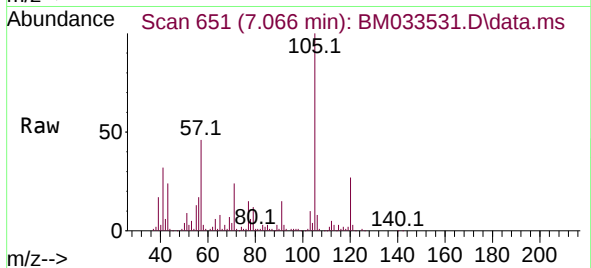
Tgt Ion: 99 Resp: 28042
Ion Ratio Lower Upper
99 100
42 31.6 20.3 30.5#
71 54.0 34.5 51.7#



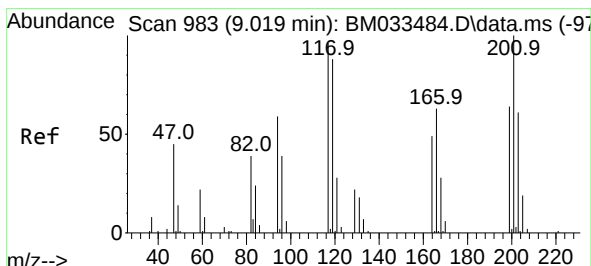
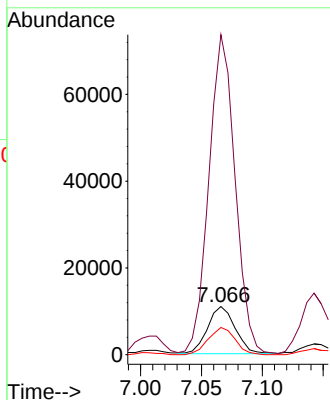
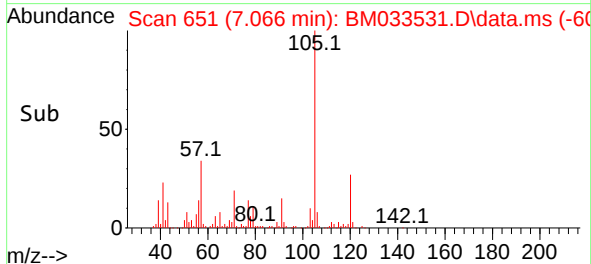


#9
Benzaldehyde
Concen: 5.662 ng
RT: 7.066 min Scan# 611
Delta R.T. -0.018 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

Instrument :
BNA_M
ClientSampleId :

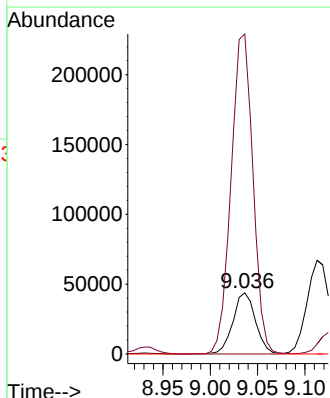
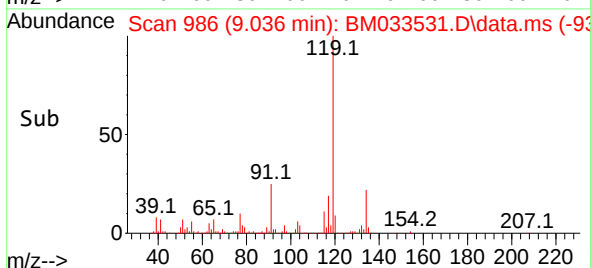
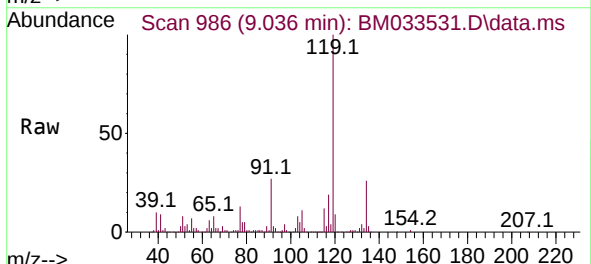


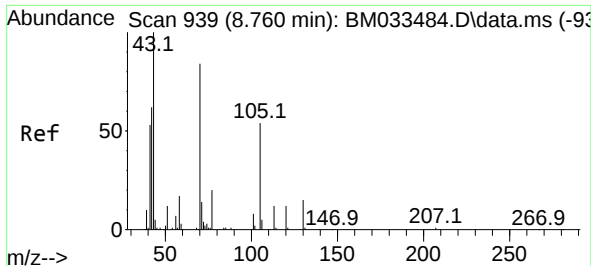
Tgt Ion: 77 Resp: 17242
Ion Ratio Lower Upper
77 100
105 664.8 67.1 107.1#
106 56.4 64.3 104.3#



#18
Hexachloroethane
Concen: 56.394 ng
RT: 9.036 min Scan# 986
Delta R.T. 0.017 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

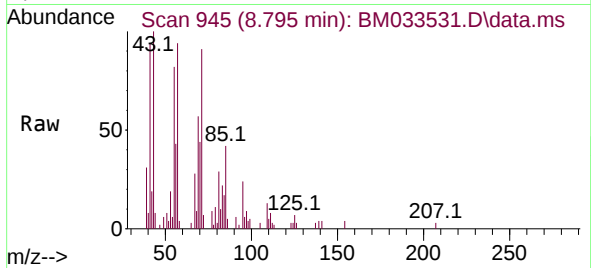
Tgt Ion: 117 Resp: 72405
Ion Ratio Lower Upper
117 100
119 523.5 75.0 112.6#
201 0.0 75.2 112.8#



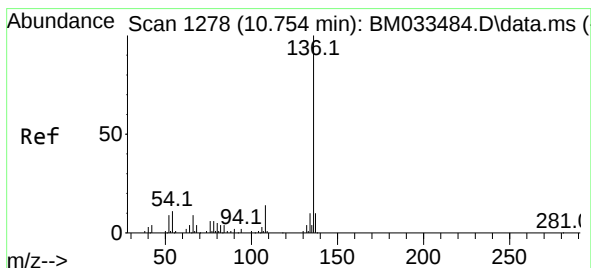
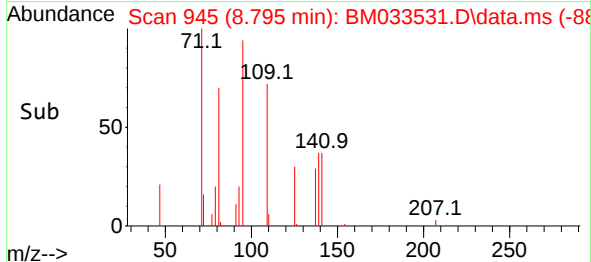
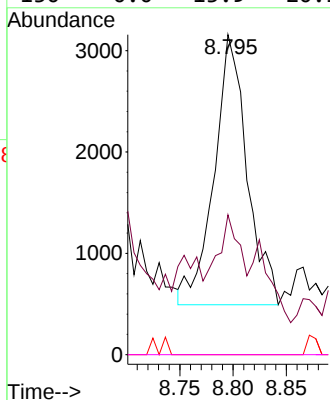


#19
n-Nitroso-di-n-propylamine
Concen: 2.369 ng
RT: 8.795 min Scan# 941
Delta R.T. 0.035 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

Instrument :
BNA_M
ClientSampleId :

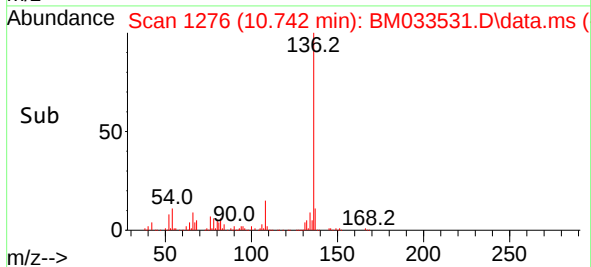
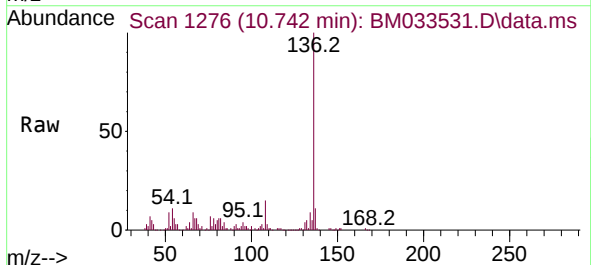
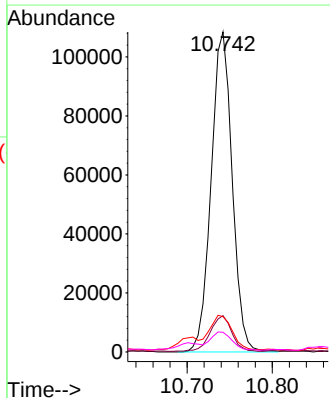


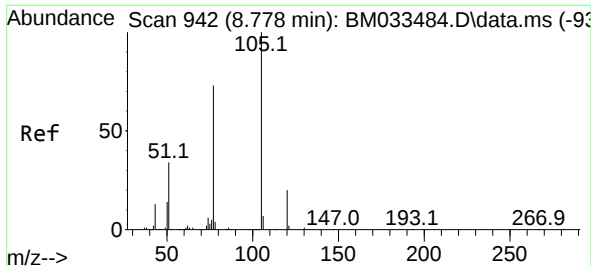
Tgt Ion: 70 Resp: 5714
Ion Ratio Lower Upper
70 100
42 43.7 54.1 81.1#
101 0.0 7.8 11.6#
130 0.0 13.9 20.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.742 min Scan# 1276
Delta R.T. -0.012 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

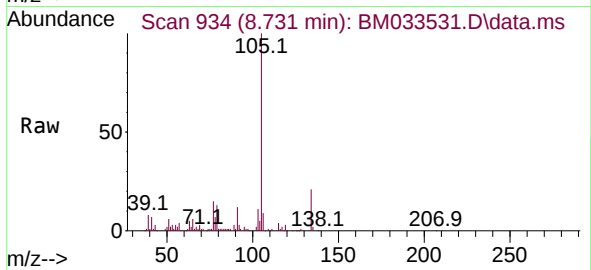
Tgt Ion: 136 Resp: 186029
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 11.1 8.3 12.5
68 6.2 5.0 7.6



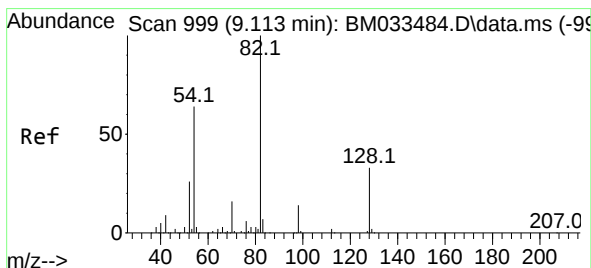
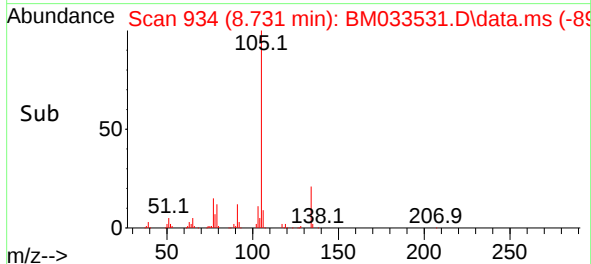
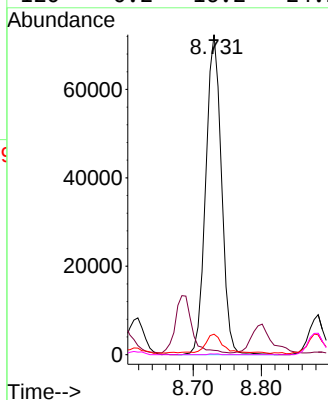


#22
Acetophenone
Concen: 22.998 ng
RT: 8.731 min Scan# 911
Delta R.T. -0.047 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

Instrument :
BNA_M
ClientSampleId :

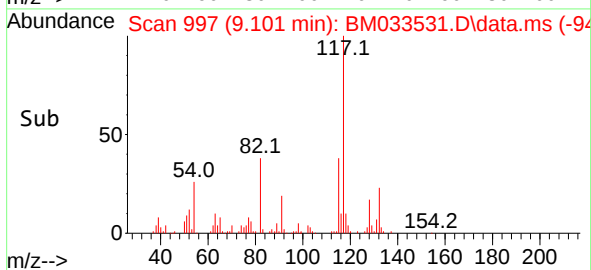
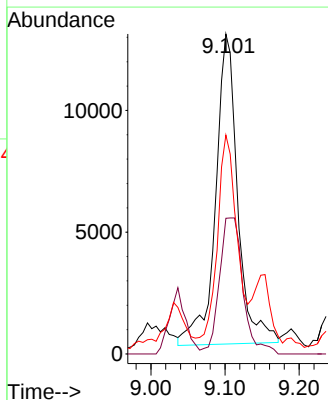
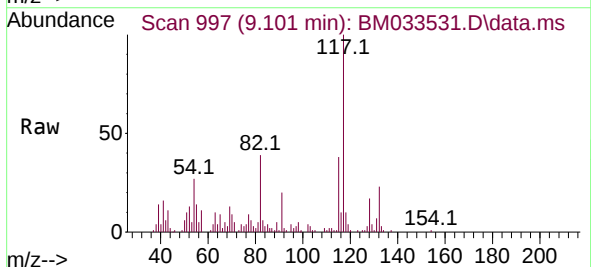


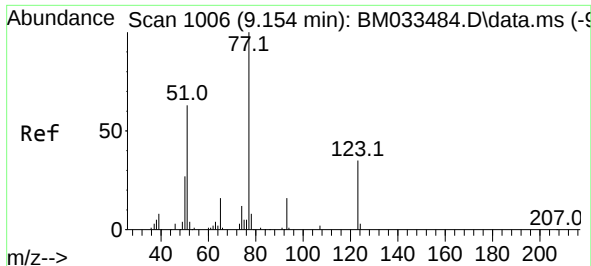
Tgt Ion:105 Resp: 115832
Ion Ratio Lower Upper
105 100
71 1.3 1.6 2.4#
51 6.4 27.7 41.5#
120 0.2 16.2 24.2#



#23
Nitrobenzene-d5
Concen: 6.122 ng
RT: 9.101 min Scan# 997
Delta R.T. -0.012 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

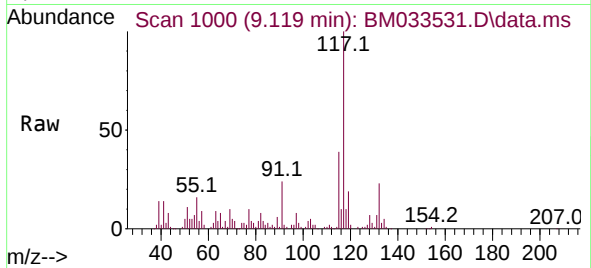
Tgt Ion: 82 Resp: 26522
Ion Ratio Lower Upper
82 100
128 42.4 28.1 42.1#
54 68.4 46.1 69.1



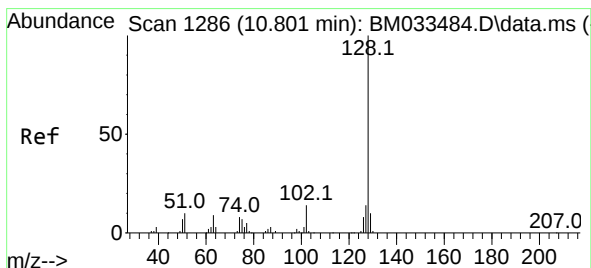
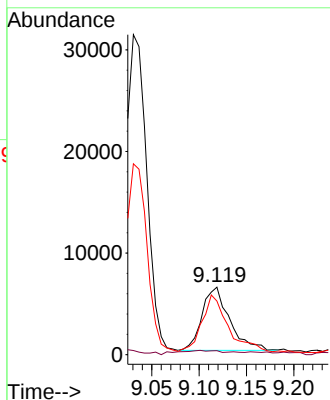
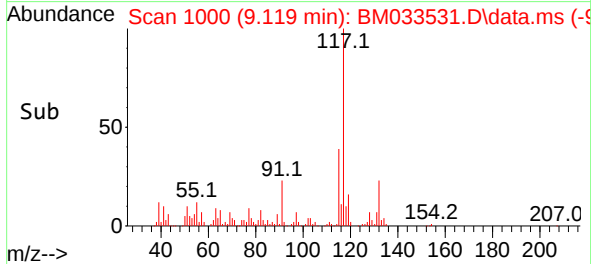


#24
Nitrobenzene
Concen: 2.937 ng
RT: 9.119 min Scan# 1006
Delta R.T. -0.035 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

Instrument :
BNA_M
ClientSampleId :

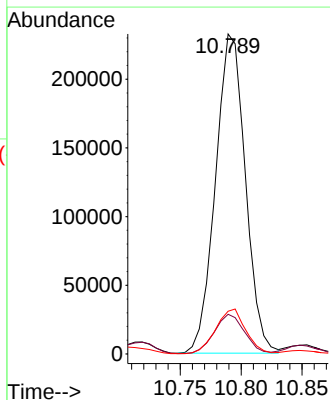
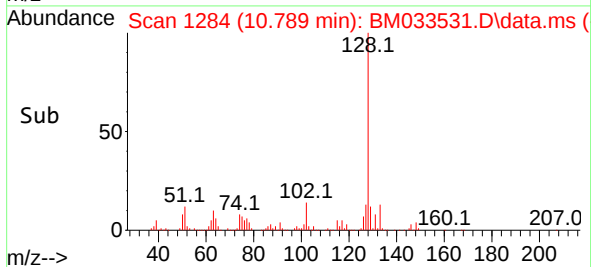
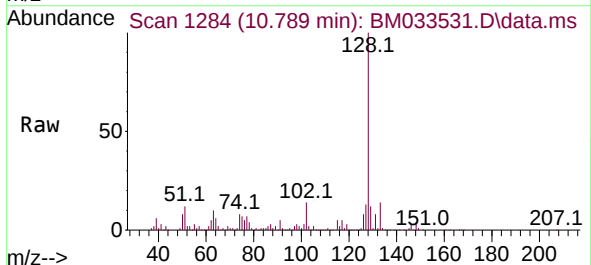


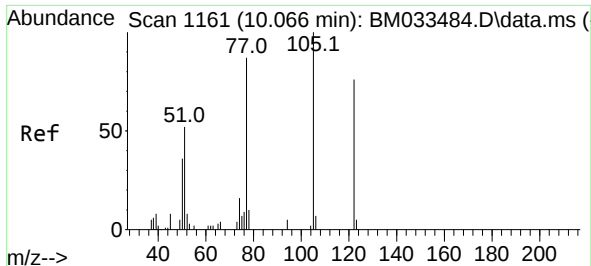
Tgt Ion: 77 Resp: 12501
Ion Ratio Lower Upper
77 100
123 6.0 29.8 44.8#
65 79.5 11.5 17.3#



#31
Naphthalene
Concen: 39.441 ng
RT: 10.789 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

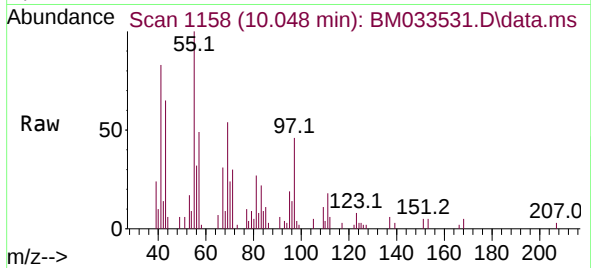
Tgt Ion: 128 Resp: 397462
Ion Ratio Lower Upper
128 100
129 12.4 8.5 12.7
127 13.4 10.8 16.2



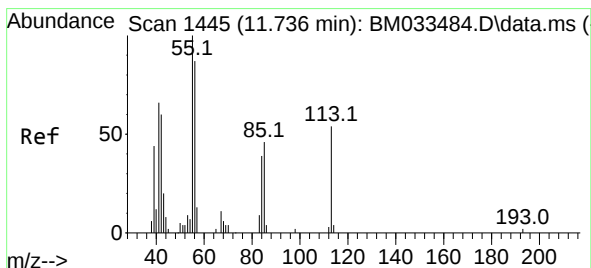
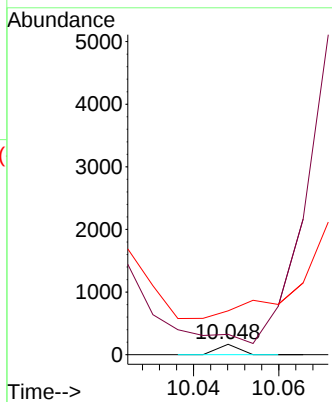
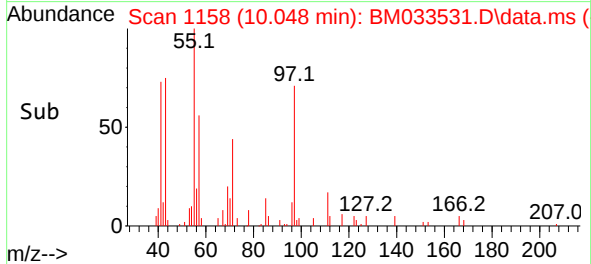


#32
Benzoic acid
Concen: 2.996 ng
RT: 10.048 min Scan# 1161
Delta R.T. -0.018 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

Instrument :
BNA_M
ClientSampleId :

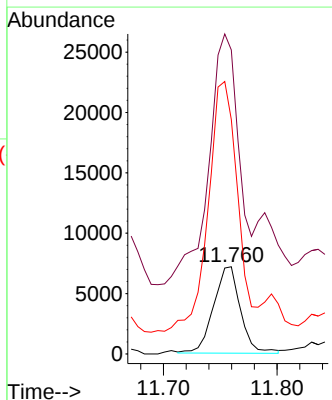
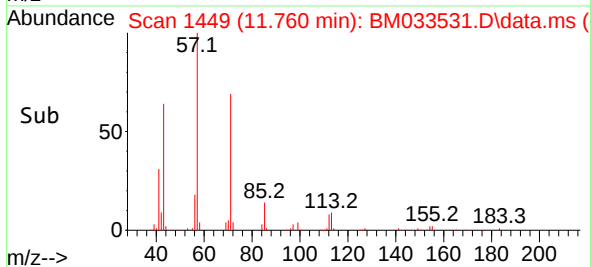
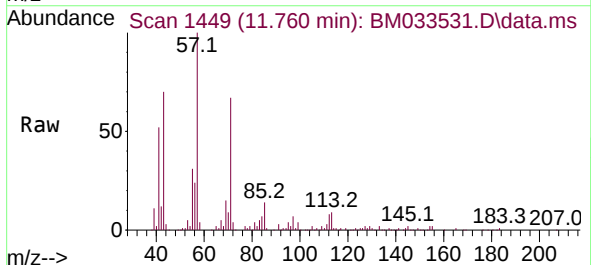


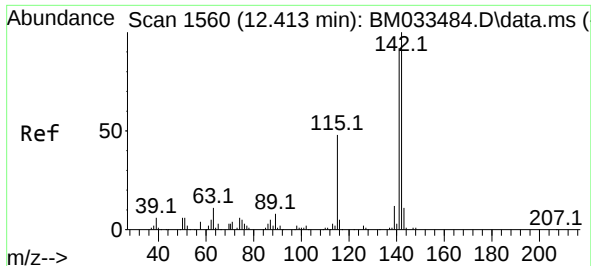
Tgt Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 194.0 119.6 159.6#
77 419.2 101.0 141.0#



#35
Caprolactam
Concen: 21.374 ng
RT: 11.760 min Scan# 1449
Delta R.T. 0.024 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

Tgt Ion:113 Resp: 11765
Ion Ratio Lower Upper
113 100
55 348.3 183.6 223.6#
56 268.5 143.7 183.7#





#37

2-Methylnaphthalene

Concen: 61.127 ng

RT: 12.401 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM033531.D

Acq: 18 Dec 2021 22:27

Instrument :

BNA_M

ClientSampleId :

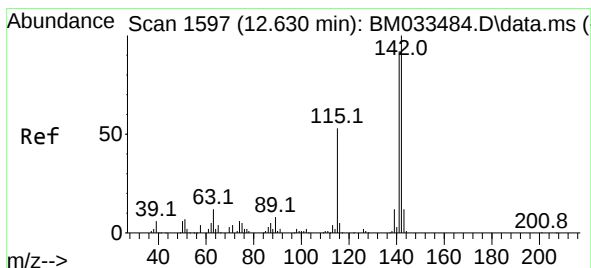
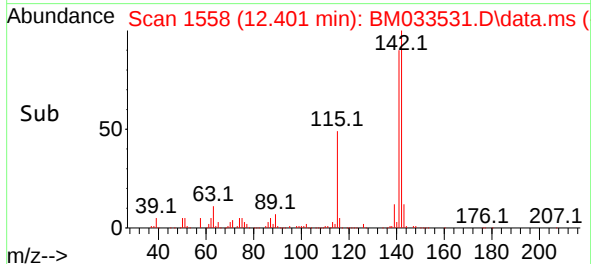
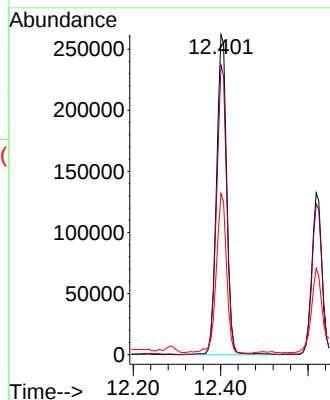
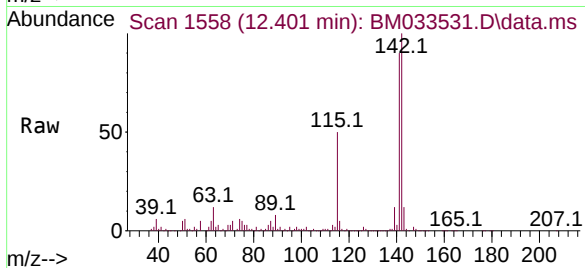
Tgt Ion:142 Resp: 426115

Ion Ratio Lower Upper

142 100

141 90.5 72.2 108.2

115 50.4 33.0 49.6#



#38

1-Methylnaphthalene

Concen: 30.371 ng

RT: 12.618 min Scan# 1595

Delta R.T. -0.012 min

Lab File: BM033531.D

Acq: 18 Dec 2021 22:27

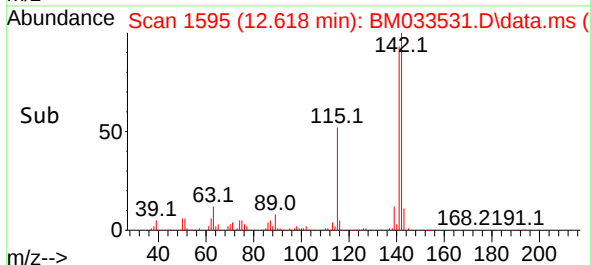
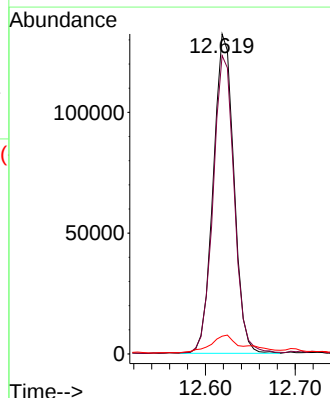
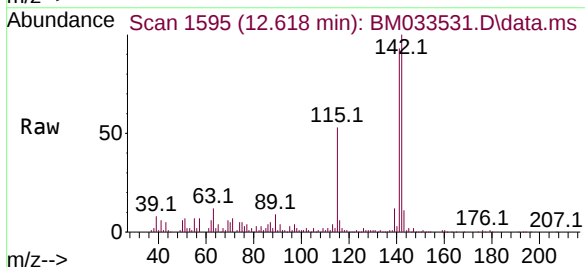
Tgt Ion:142 Resp: 211179

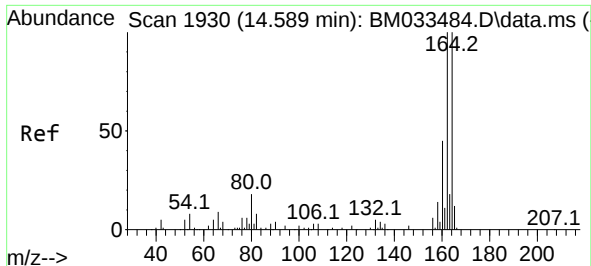
Ion Ratio Lower Upper

142 100

141 93.3 75.0 112.4

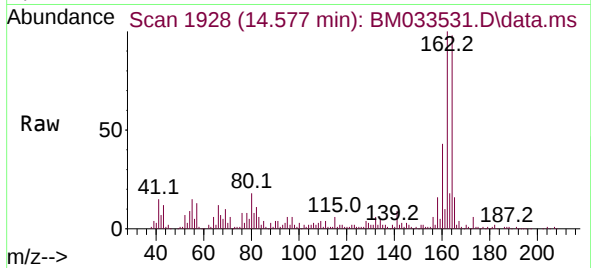
116 5.6 3.5 5.3#



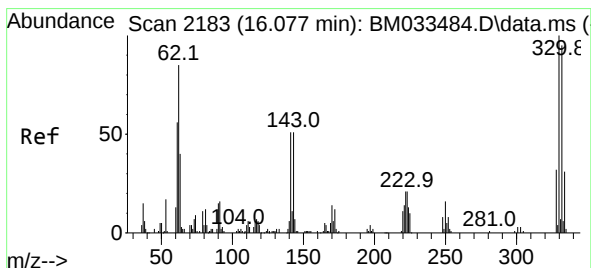
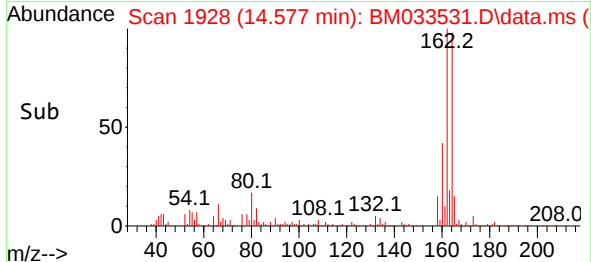
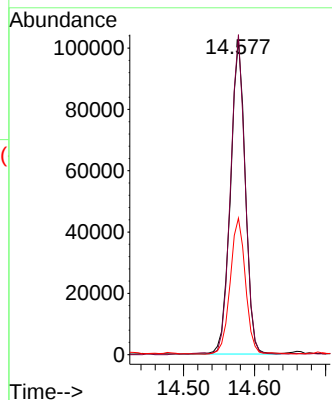


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1930
Delta R.T. -0.012 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

Instrument :
BNA_M
ClientSampleId :

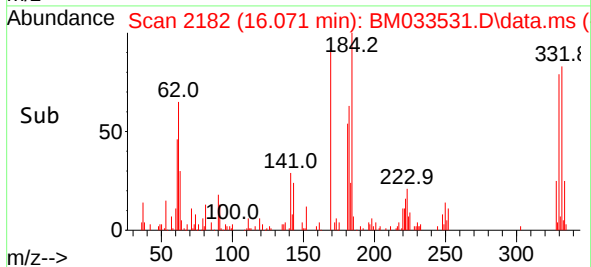
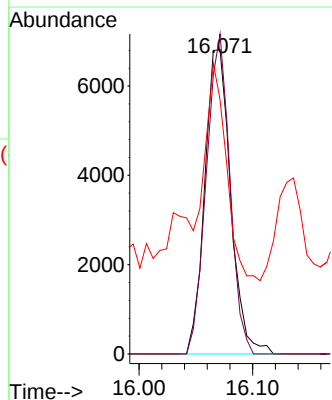
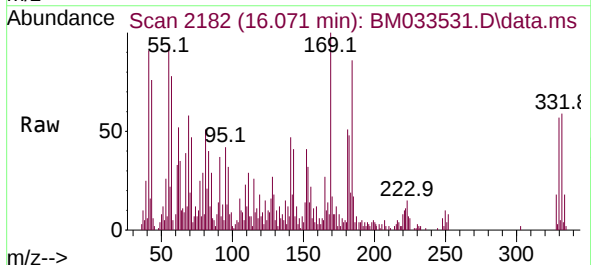


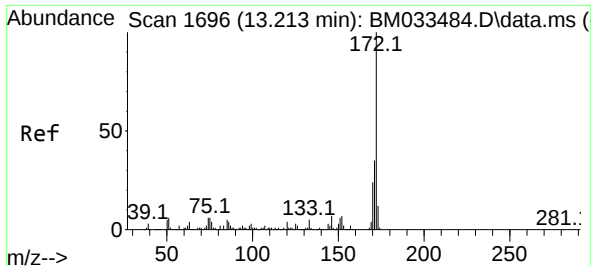
Tgt Ion:164 Resp: 148411
Ion Ratio Lower Upper
164 100
162 101.8 79.7 119.5
160 43.4 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 6.470 ng
RT: 16.071 min Scan# 2182
Delta R.T. -0.006 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

Tgt Ion:330 Resp: 10802
Ion Ratio Lower Upper
330 100
332 94.8 76.5 114.7
141 58.8 35.9 53.9#

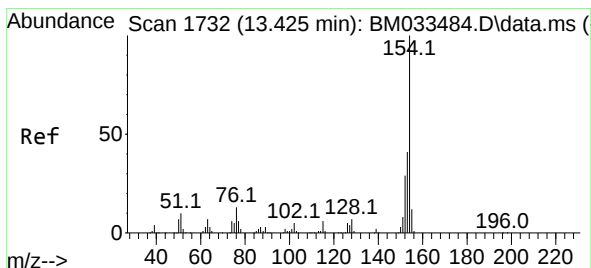
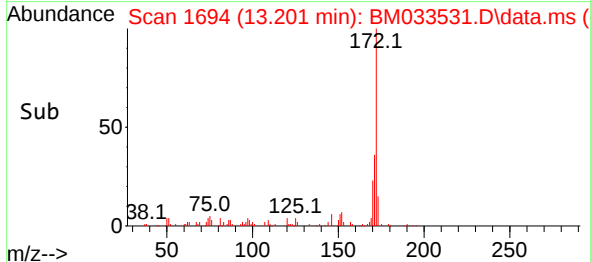
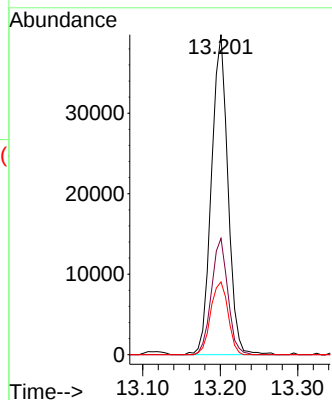
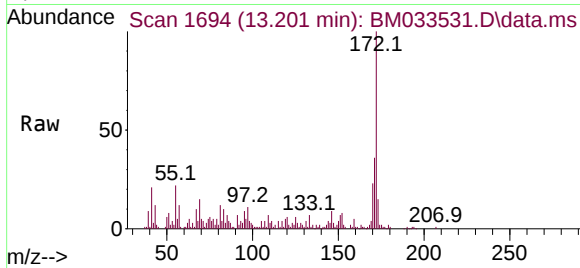




#45
2-Fluorobiphenyl
Concen: 5.470 ng
RT: 13.201 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

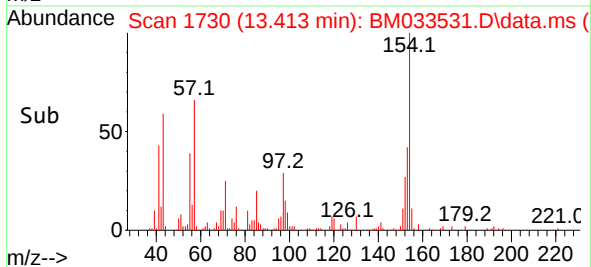
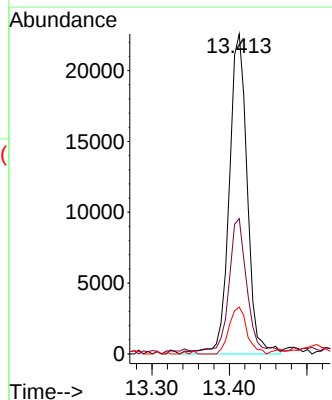
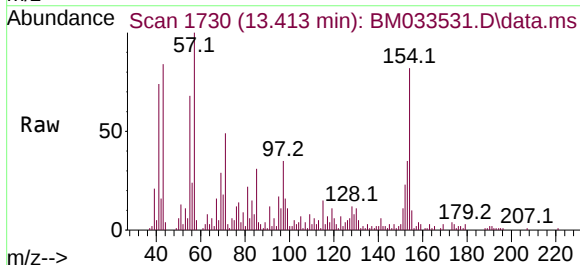
Instrument :
BNA_M
ClientSampleId :

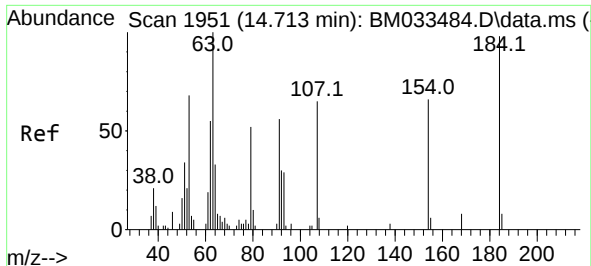
Tgt Ion:172	Resp:	58683
Ion Ratio	Lower	Upper
172	100	
171	36.4	27.2 40.8
170	22.7	18.7 28.1



#46
1,1'-Biphenyl
Concen: 3.322 ng
RT: 13.413 min Scan# 1730
Delta R.T. -0.012 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

Tgt Ion:154	Resp:	36508
Ion Ratio	Lower	Upper
154	100	
153	42.3	20.7 60.7
76	14.7	0.0 34.4

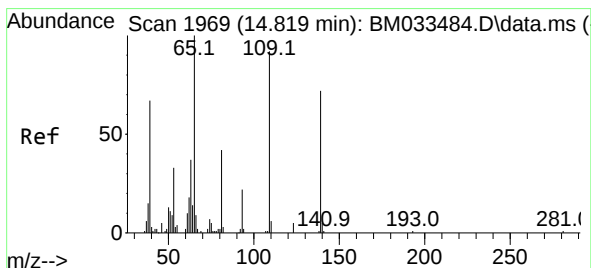
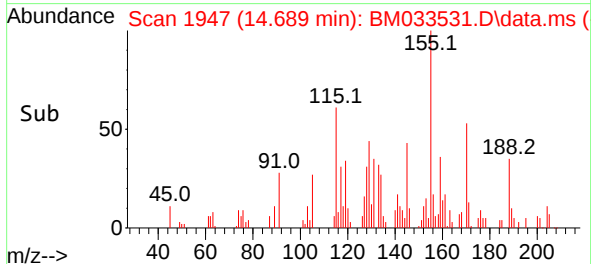
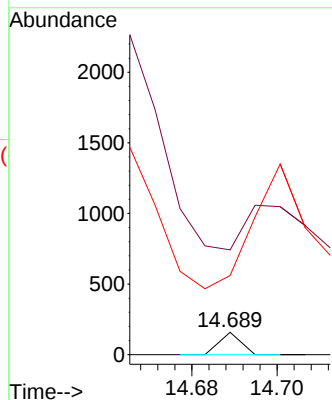
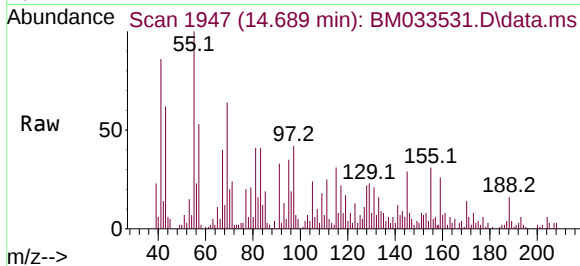




#54
2,4-Dinitrophenol
Concen: 7.091 ng
RT: 14.689 min Scan# 1947
Delta R.T. -0.024 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

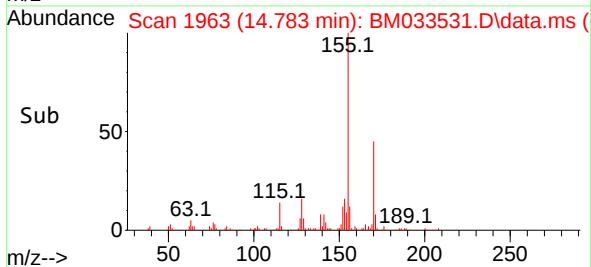
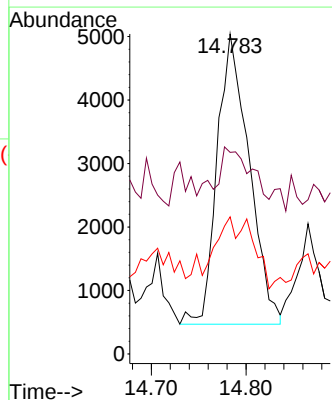
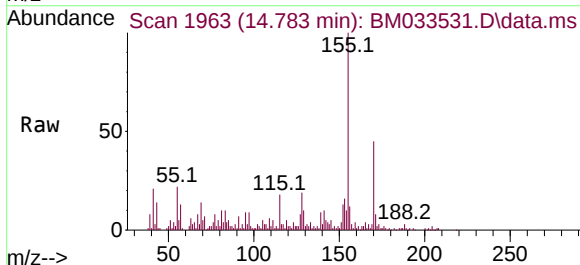
Instrument :
BNA_M
ClientSampleId :

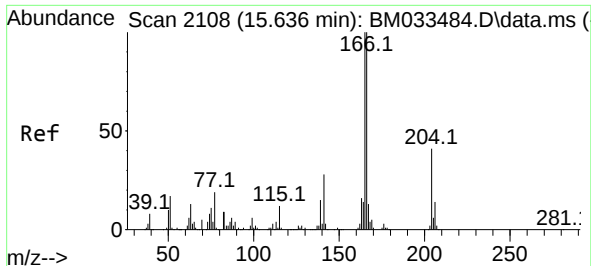
Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 466.7 71.8 107.6#
154 352.8 55.7 83.5#



#56
4-Nitrophenol
Concen: 10.417 ng
RT: 14.783 min Scan# 1963
Delta R.T. -0.036 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

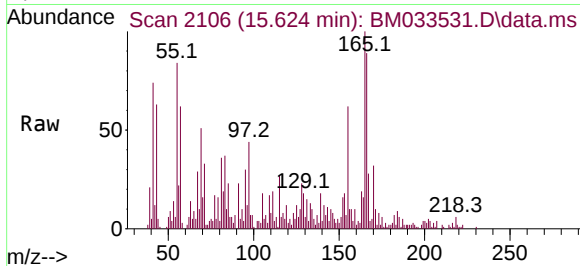
Tgt Ion:139 Resp: 10739
Ion Ratio Lower Upper
139 100
109 63.0 75.3 115.3#
65 42.9 107.4 147.4#



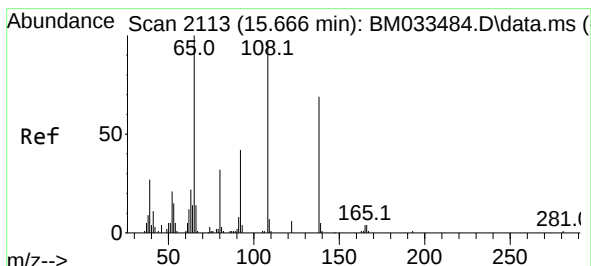
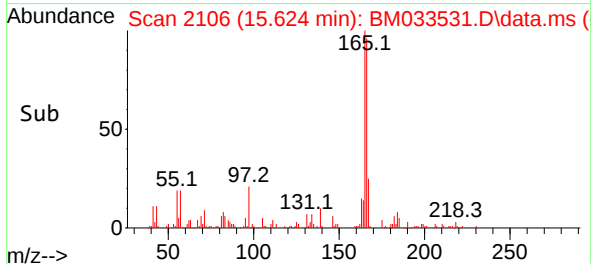
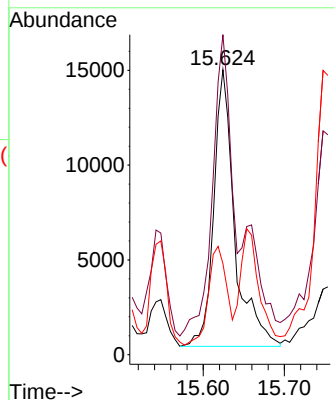


#58
Fluorene
Concen: 2.363 ng
RT: 15.624 min Scan# 2106
Delta R.T. -0.012 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

Instrument :
BNA_M
ClientSampleId :

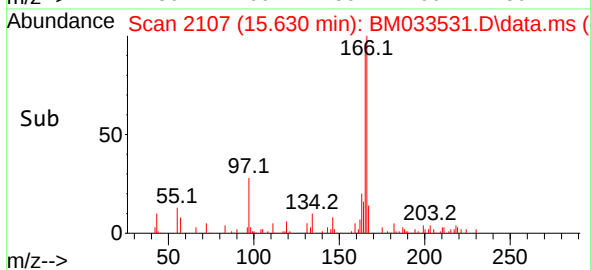
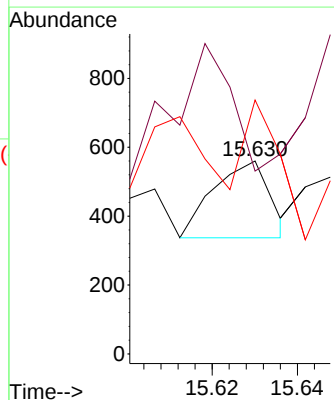
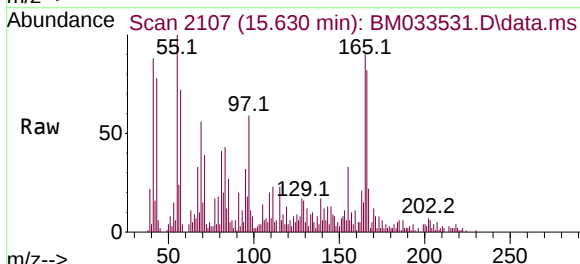


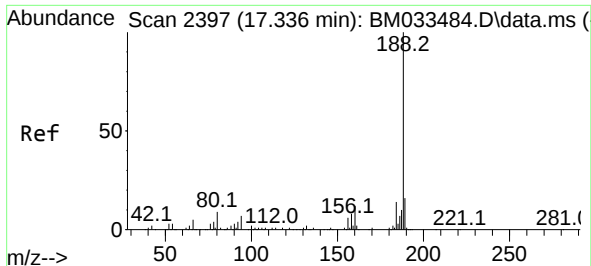
Tgt Ion:166 Resp: 26270
Ion Ratio Lower Upper
166 100
165 112.3 78.1 117.1
167 32.0 10.6 15.8#



#62
4-Nitroaniline
Concen: 2.662 ng
RT: 15.630 min Scan# 2107
Delta R.T. -0.036 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

Tgt Ion:138 Resp: 206
Ion Ratio Lower Upper
138 100
92 94.8 38.7 78.7#
108 131.6 81.9 121.9#

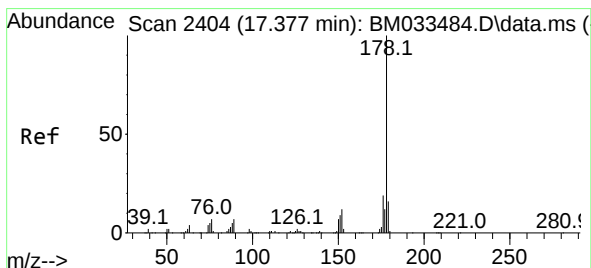
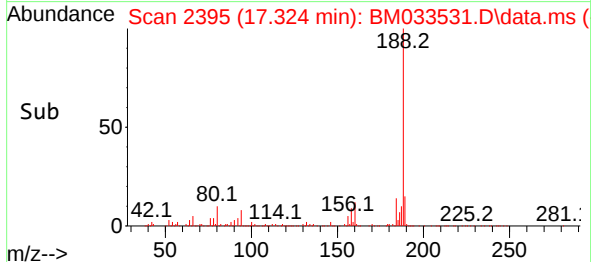
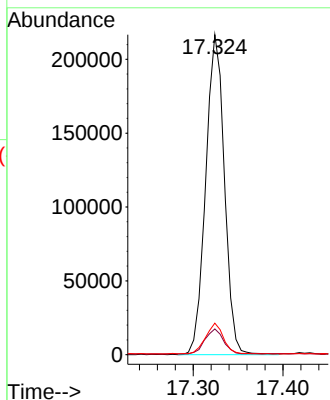
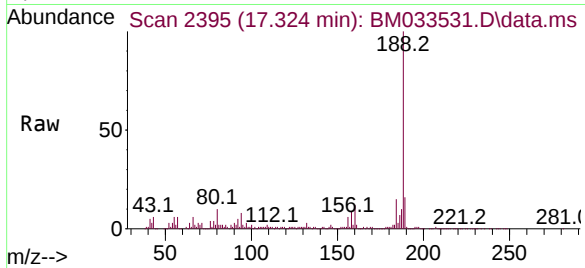




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

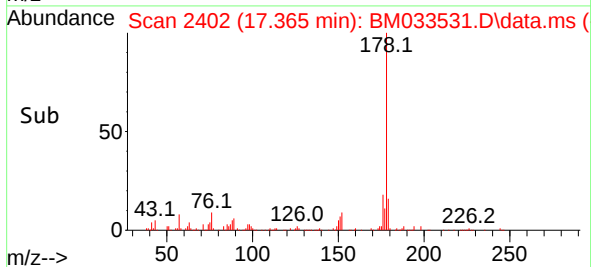
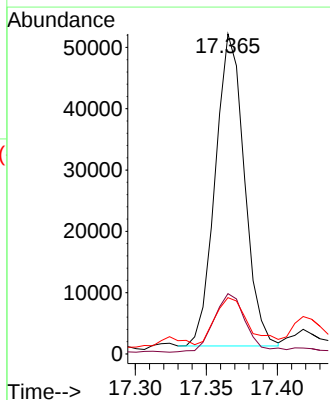
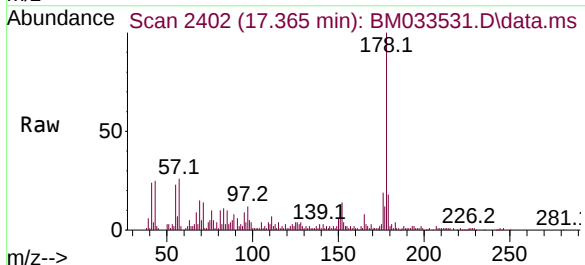
Instrument :
BNA_M
ClientSampleId :

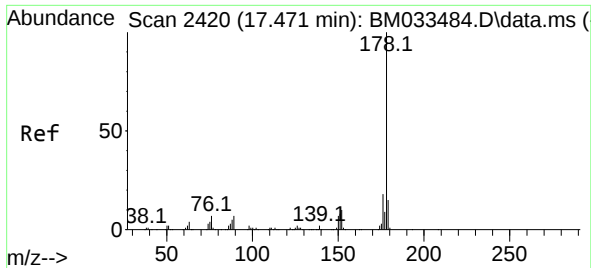
Tgt Ion:188 Resp: 314068
Ion Ratio Lower Upper
188 100
94 8.0 7.5 11.3
80 9.9 8.9 13.3



#71
Phenanthrene
Concen: 4.143 ng
RT: 17.365 min Scan# 2402
Delta R.T. -0.012 min
Lab File: BM033531.D
Acq: 18 Dec 2021 22:27

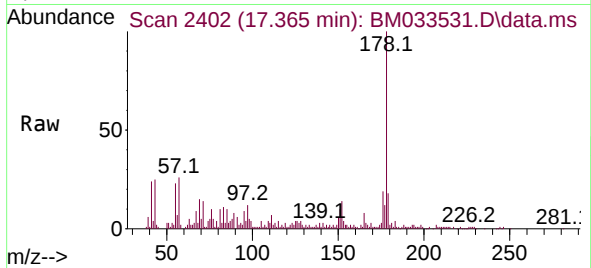
Tgt Ion:178 Resp: 72423
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 17.6 12.0 18.0



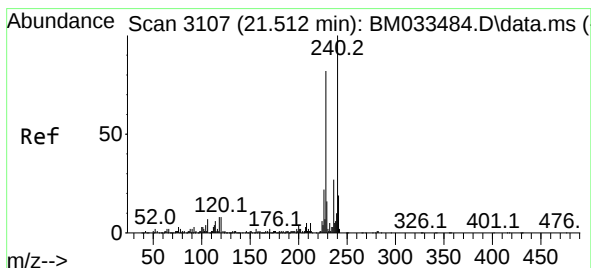
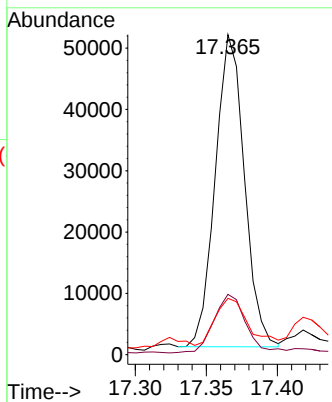
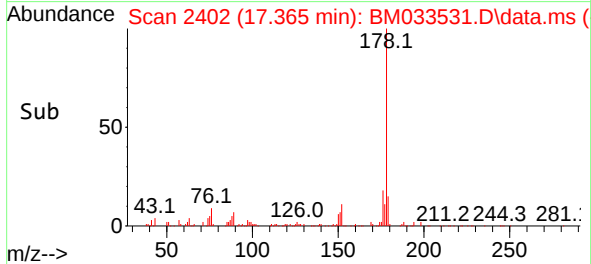


#72
 Anthracene
 Concen: 4.241 ng
 RT: 17.365 min Scan# 24
 Delta R.T. -0.106 min
 Lab File: BM033531.D
 Acq: 18 Dec 2021 22:27

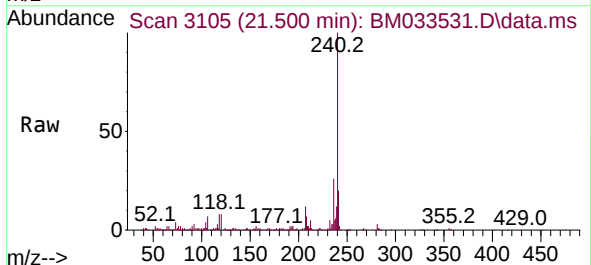
Instrument :
 BNA_M
 ClientSampleId :



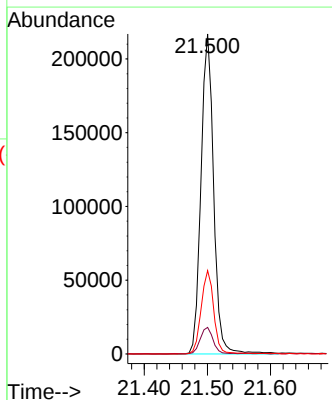
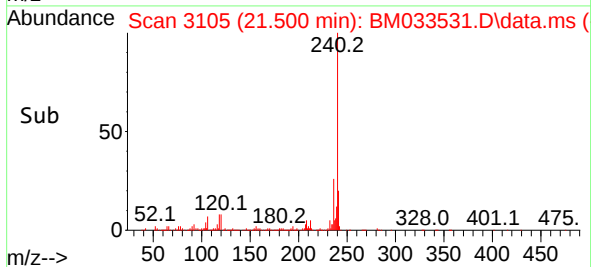
Tgt Ion:178 Resp: 72469
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.5 21.7
 179 17.6 11.9 17.9

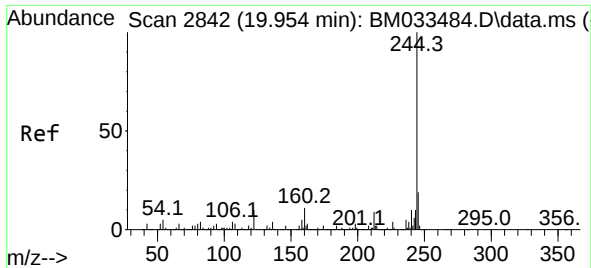


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.500 min Scan# 3105
 Delta R.T. -0.012 min
 Lab File: BM033531.D
 Acq: 18 Dec 2021 22:27



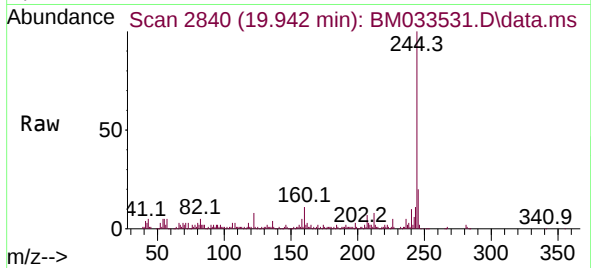
Tgt Ion:240 Resp: 301864
 Ion Ratio Lower Upper
 240 100
 120 8.3 7.8 11.6
 236 26.0 20.3 30.5



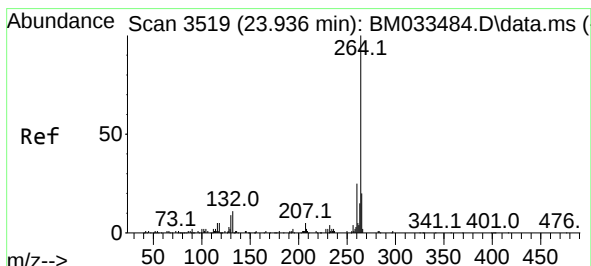
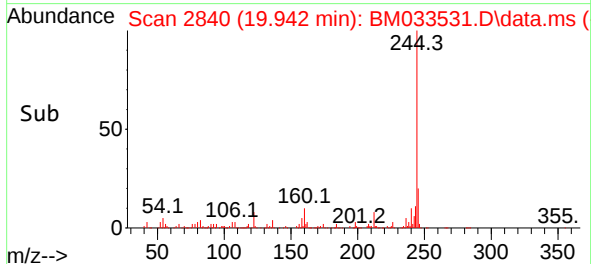
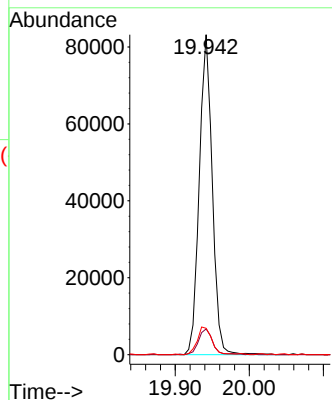


#79
 Terphenyl-d14
 Concen: 5.275 ng
 RT: 19.942 min Scan# 2842
 Delta R.T. -0.012 min
 Lab File: BM033531.D
 Acq: 18 Dec 2021 22:27

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:244 Resp: 101135
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.9 8.9
 122 8.2 8.4 12.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.912 min Scan# 3515
 Delta R.T. -0.024 min
 Lab File: BM033531.D
 Acq: 18 Dec 2021 22:27

Tgt Ion:264 Resp: 247957
 Ion Ratio Lower Upper
 264 100
 260 24.4 17.7 26.5
 265 21.0 17.7 26.5

