

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121721\
 Data File : BM033514.D
 Acq On : 17 Dec 2021 20:06
 Operator : CG/JU
 Sample : M5084-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C1

Quant Time: Dec 18 04:56:08 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

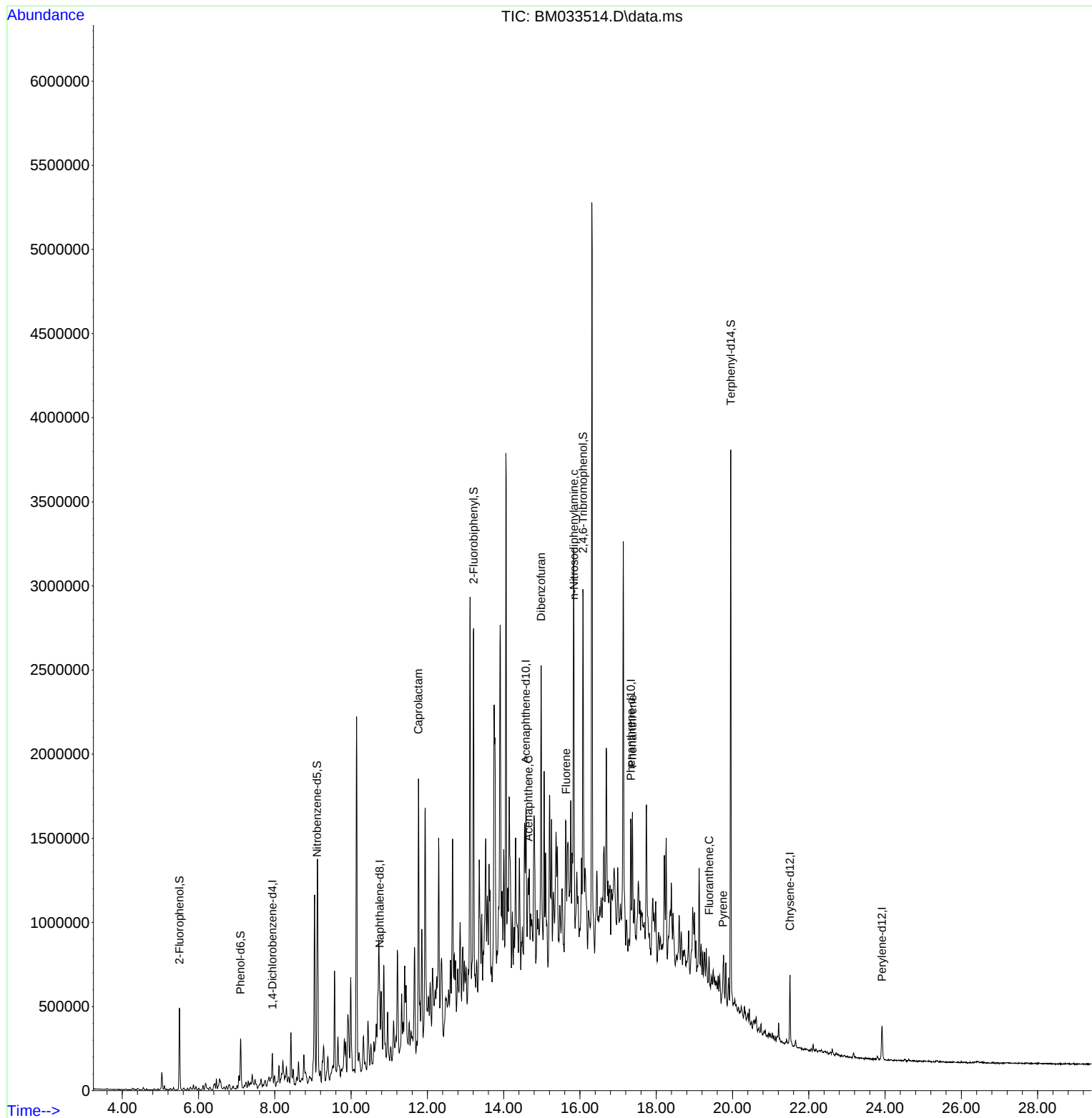
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	43023	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	192928	20.000	ng	# 0.00
39) Acenaphthene-d10	14.583	164	151221	20.000	ng	0.00
64) Phenanthrene-d10	17.336	188	294334	20.000	ng	0.00
76) Chrysene-d12	21.506	240	186542	20.000	ng	# 0.00
86) Perylene-d12	23.918	264	148102	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.501	112	165068	66.204	ng	0.00
7) Phenol-d6	7.101	99	133527	39.906	ng	-0.01
23) Nitrobenzene-d5	9.107	82	436551	97.158	ng	0.00
42) 2,4,6-Tribromophenol	16.083	330	245875	144.541	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	1029637	94.187	ng	0.00
79) Terphenyl-d14	19.953	244	1365372	115.231	ng	0.00
Target Compounds						
35) Caprolactam	11.766	113	50552	88.555	ng	# 48
52) Acenaphthene	14.648	154	84487	10.144	ng	94
55) Dibenzofuran	14.983	168	93545	6.627	ng	# 23
58) Fluorene	15.636	166	187001	16.509	ng	# 95
66) n-Nitrosodiphenylamine	15.842	169	149768	17.140	ng	# 57
71) Phenanthrene	17.377	178	366530	22.375	ng	# 95
75) Fluoranthene	19.389	202	68046	3.611	ng	92
78) Pyrene	19.747	202	101087	6.868	ng	# 91

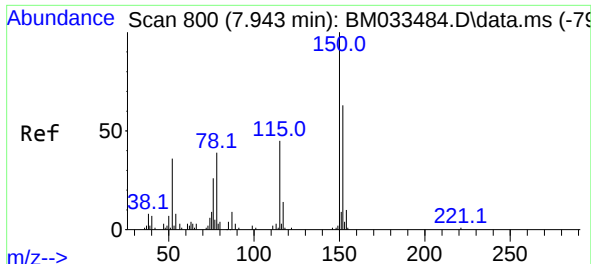
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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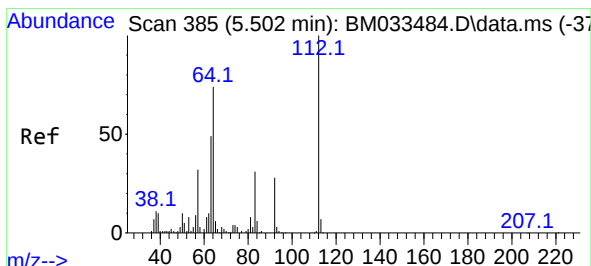
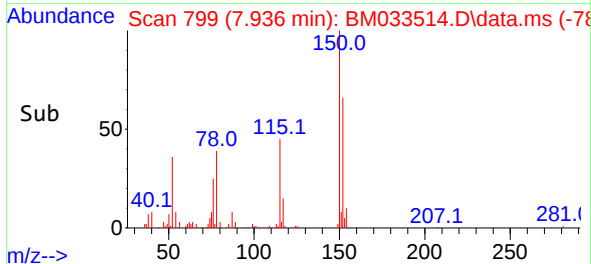
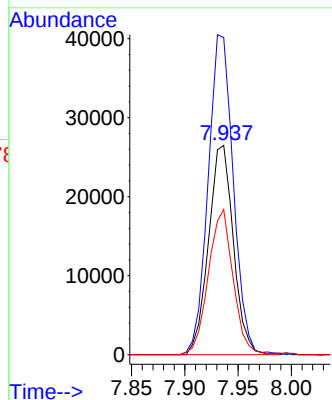
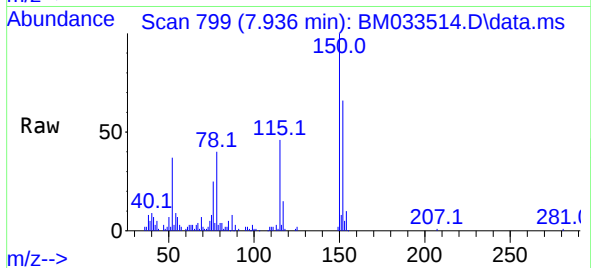




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.936 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

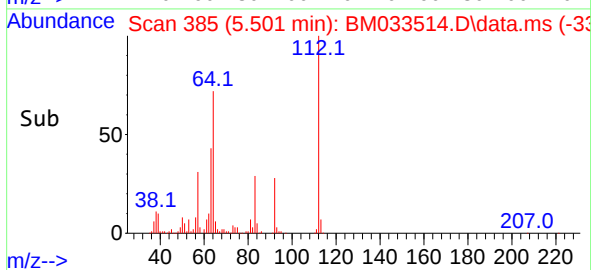
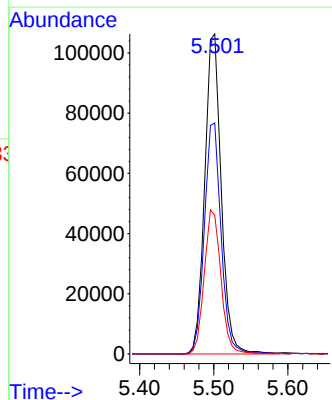
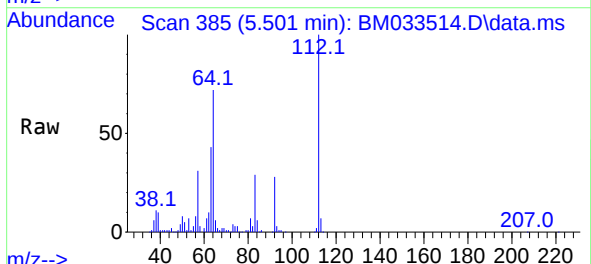
Instrument :
BNA_M
ClientSampleId :
C1

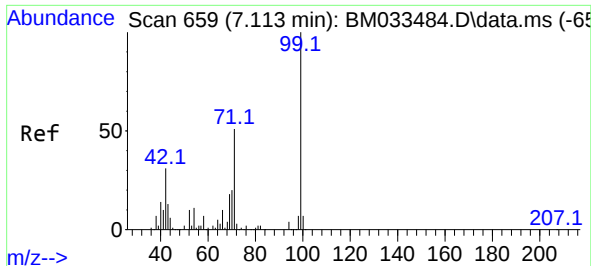
Tgt Ion:152 Resp: 43023
Ion Ratio Lower Upper
152 100
150 151.5 128.9 193.3
115 69.4 53.0 79.6



#5
2-Fluorophenol
Concen: 66.204 ng
RT: 5.501 min Scan# 385
Delta R.T. -0.001 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:112 Resp: 165068
Ion Ratio Lower Upper
112 100
64 72.2 55.5 83.3
63 43.4 31.3 46.9

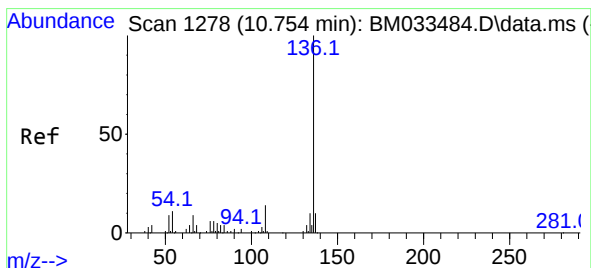
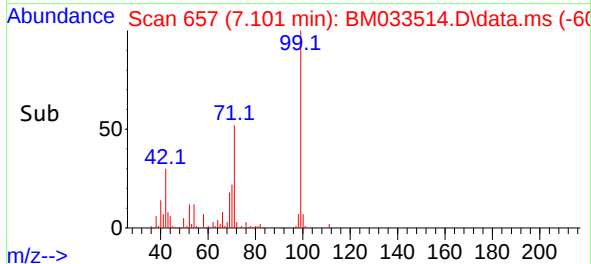
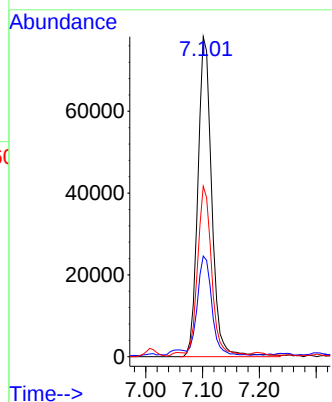
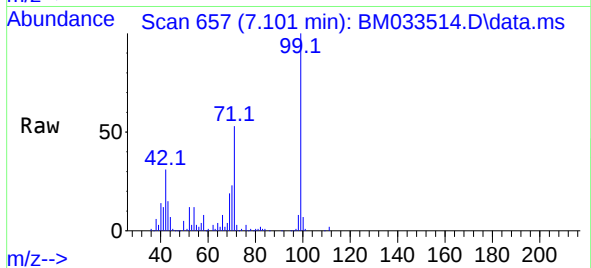




#7
Phenol-d6
Concen: 39.906 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

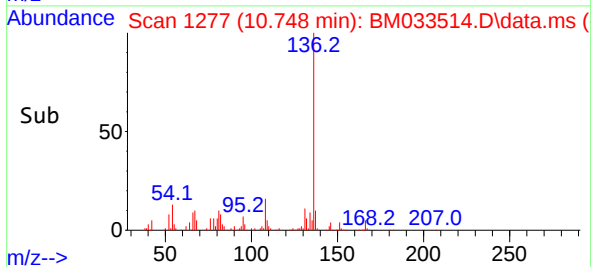
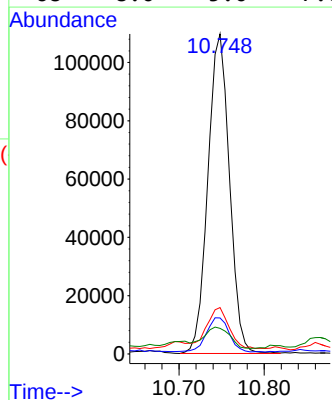
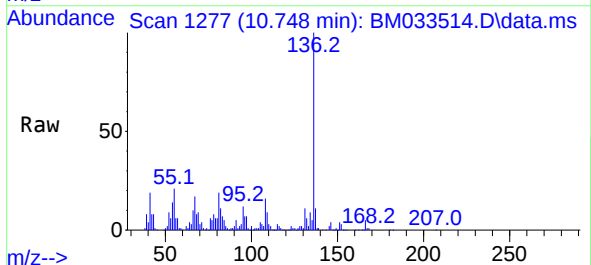
Instrument :
BNA_M
ClientSampleId :
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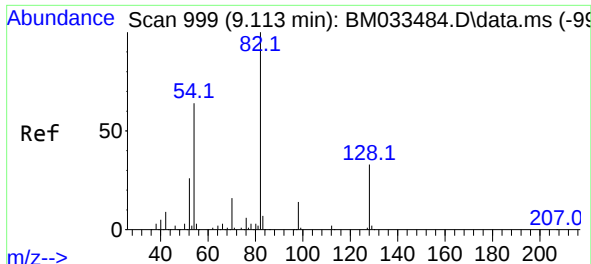
Tgt Ion: 99 Resp: 133527
Ion Ratio Lower Upper
99 100
42 31.5 20.3 30.5#
71 53.3 34.5 51.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:136 Resp: 192928
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 14.5 8.3 12.5#
68 8.0 5.0 7.6#

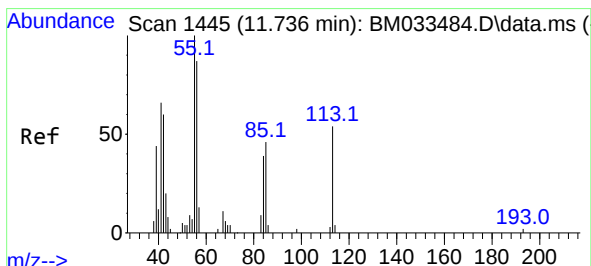
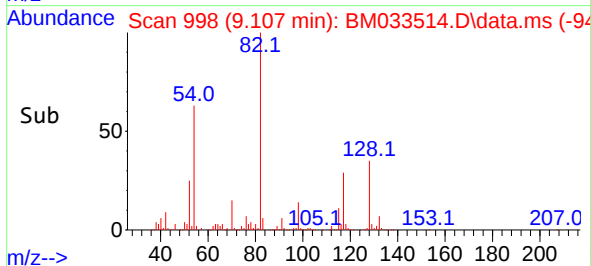
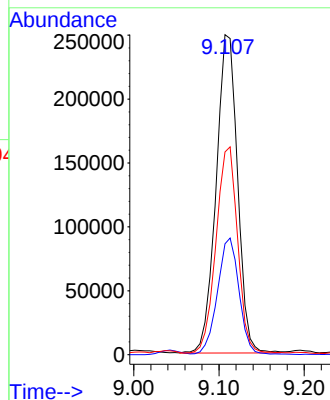
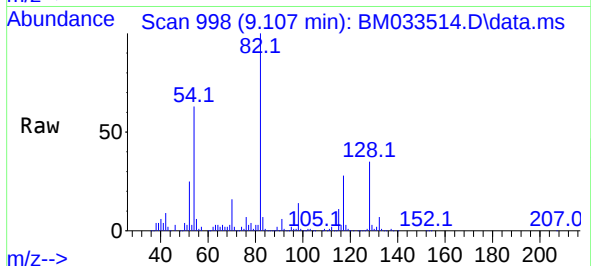




#23
Nitrobenzene-d5
Concen: 97.158 ng
RT: 9.107 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

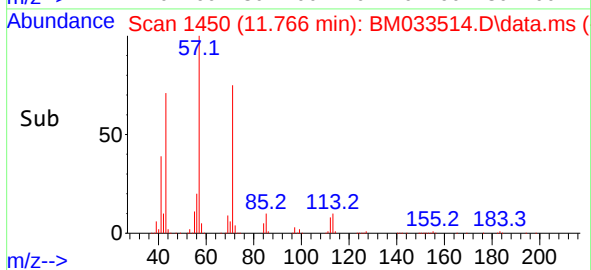
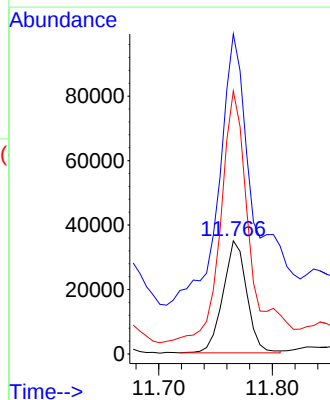
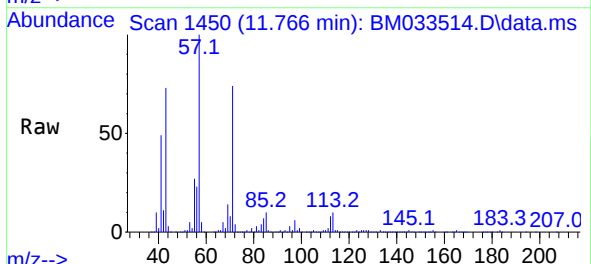
Instrument :
BNA_M
ClientSampleId :
C1

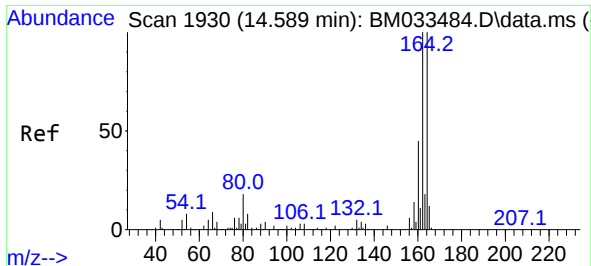
Tgt Ion: 82 Resp: 436551
Ion Ratio Lower Upper
82 100
128 34.6 28.1 42.1
54 63.3 46.1 69.1



#35
Caprolactam
Concen: 88.555 ng
RT: 11.766 min Scan# 1450
Delta R.T. 0.030 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion: 113 Resp: 50552
Ion Ratio Lower Upper
113 100
55 282.9 183.6 223.6#
56 232.6 143.7 183.7#

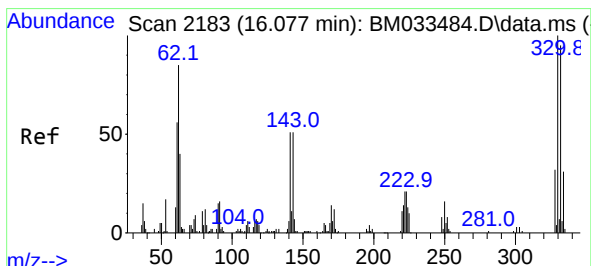
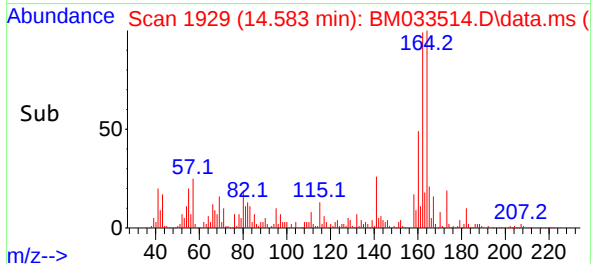
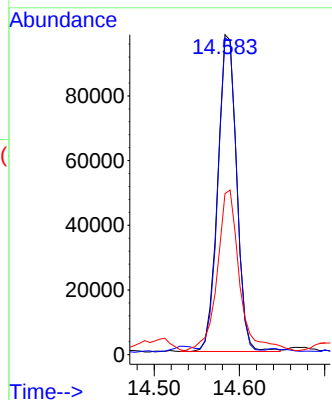
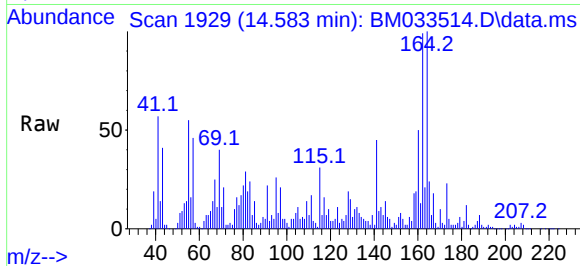




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

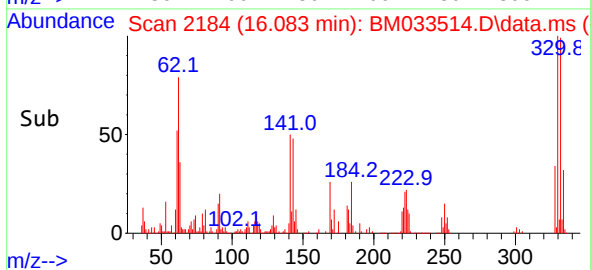
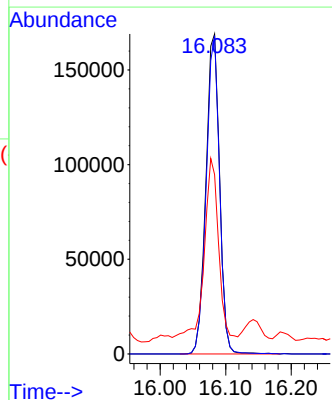
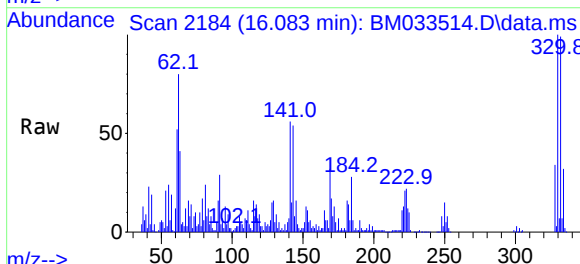
Instrument :
BNA_M
ClientSampleId :
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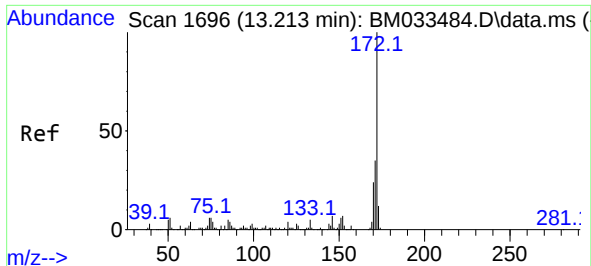
Tgt Ion:164 Resp: 151221
Ion Ratio Lower Upper
164 100
162 99.0 79.7 119.5
160 50.4 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 144.541 ng
RT: 16.083 min Scan# 2184
Delta R.T. 0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:330 Resp: 245875
Ion Ratio Lower Upper
330 100
332 96.9 76.5 114.7
141 56.8 35.9 53.9#

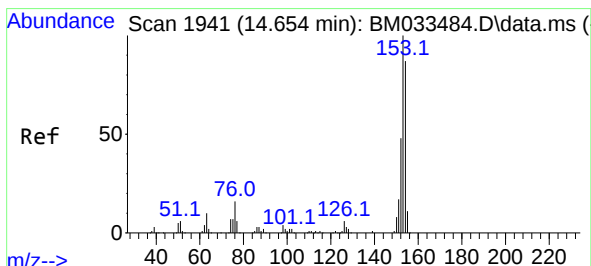
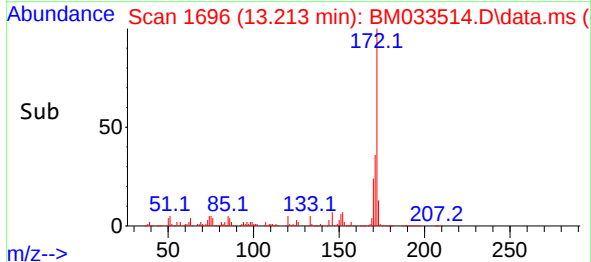
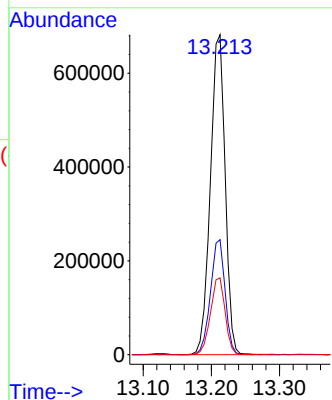
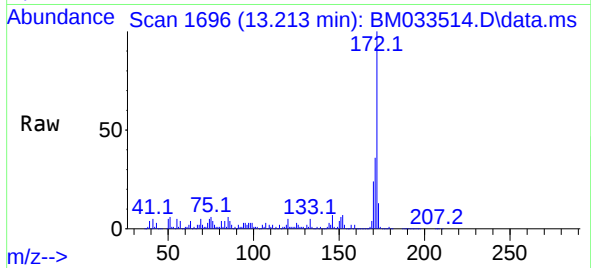




#45
2-Fluorobiphenyl
Concen: 94.187 ng
RT: 13.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

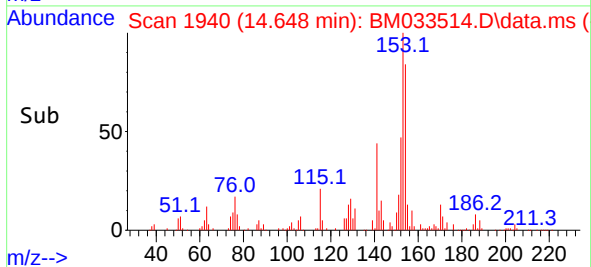
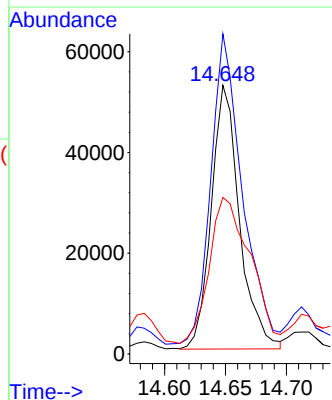
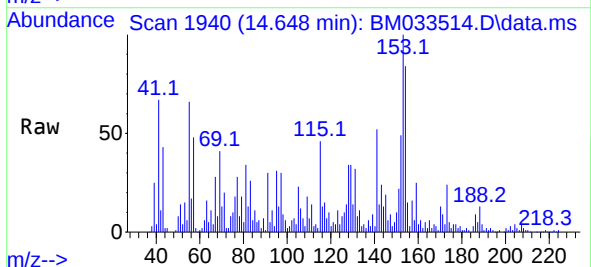
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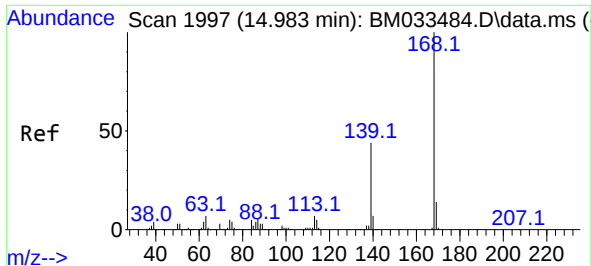
Tgt Ion:172 Resp: 1029637
Ion Ratio Lower Upper
172 100
171 36.0 27.2 40.8
170 24.0 18.7 28.1



#52
Acenaphthene
Concen: 10.144 ng
RT: 14.648 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:154 Resp: 84487
Ion Ratio Lower Upper
154 100
153 119.1 90.2 135.4
152 58.2 43.5 65.3

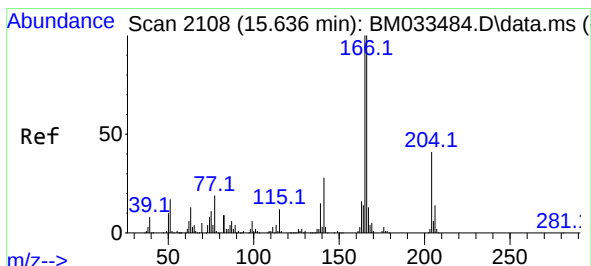
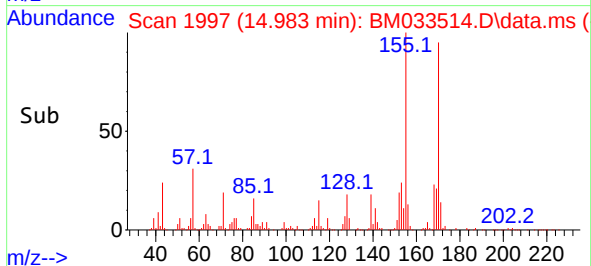
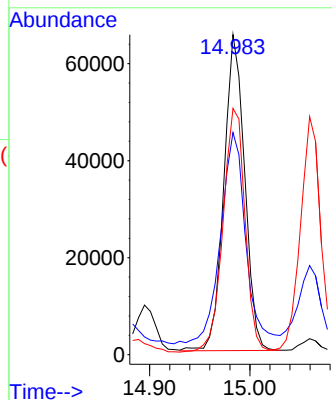
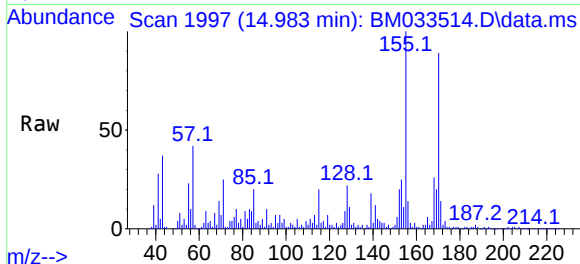




#55
Dibenzenofuran
Concen: 6.627 ng
RT: 14.983 min Scan# 1997
Delta R.T. -0.000 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

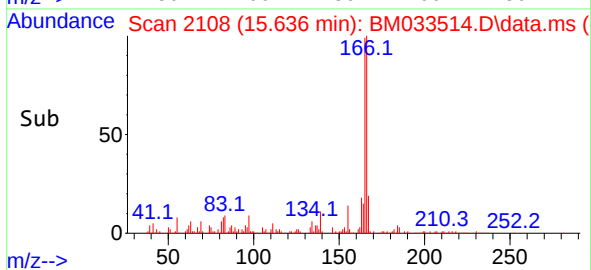
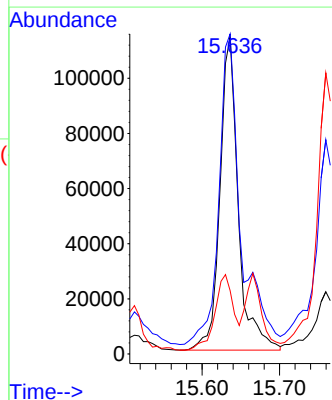
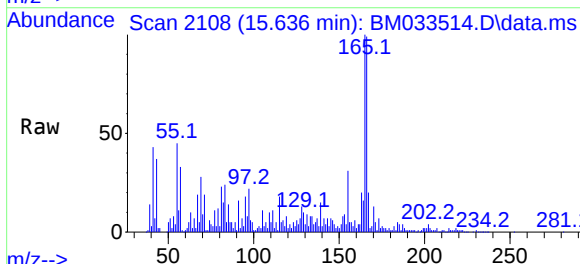
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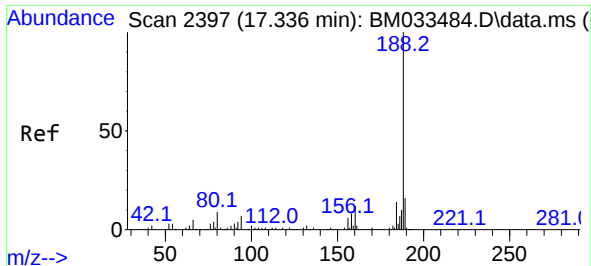
Tgt Ion:168 Resp: 93545
Ion Ratio Lower Upper
168 100
139 69.4 31.4 47.2#
169 77.0 10.6 15.8#



#58
Fluorene
Concen: 16.509 ng
RT: 15.636 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:166 Resp: 187001
Ion Ratio Lower Upper
166 100
165 100.9 78.1 117.1
167 20.0 10.6 15.8#

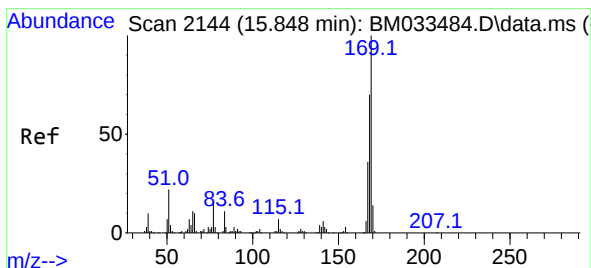
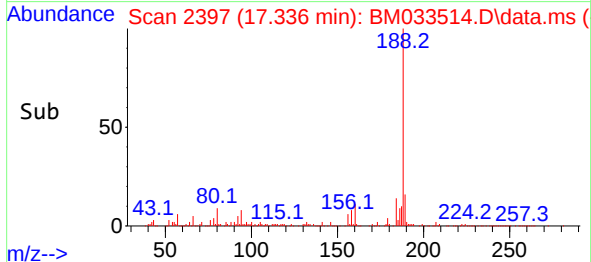
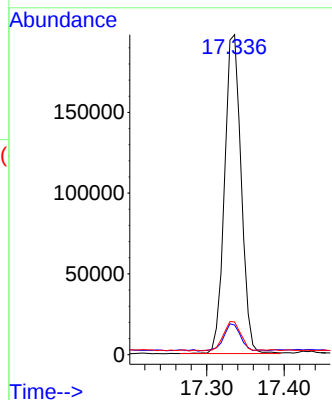
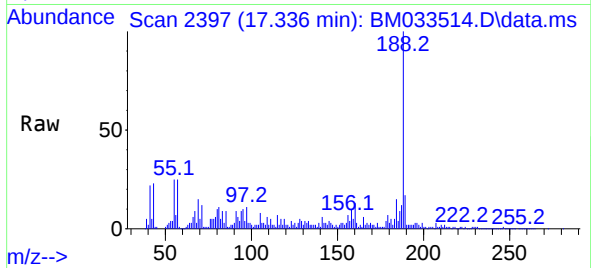




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.336 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

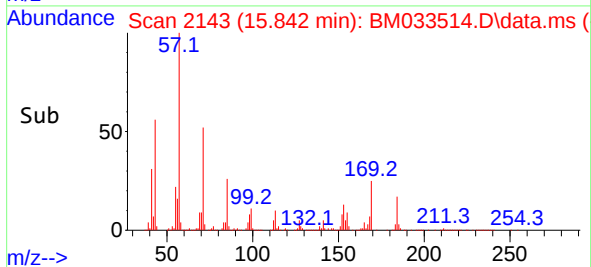
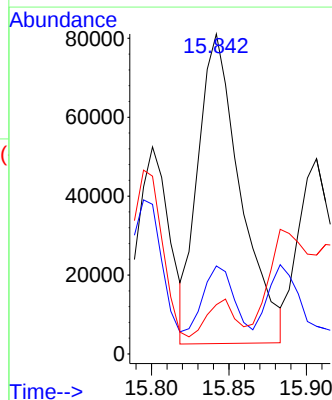
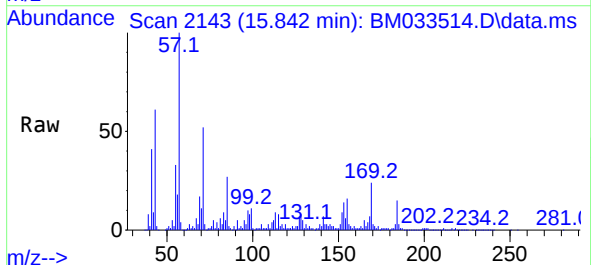
Instrument :
BNA_M
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C1

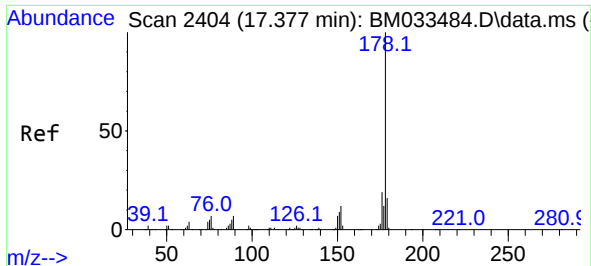
Tgt Ion:188 Resp: 294334
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 10.3 8.9 13.3



#66
n-Nitrosodiphenylamine
Concen: 17.140 ng
RT: 15.842 min Scan# 2143
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:169 Resp: 149768
Ion Ratio Lower Upper
169 100
168 27.5 52.5 78.7#
167 15.4 28.4 42.6#

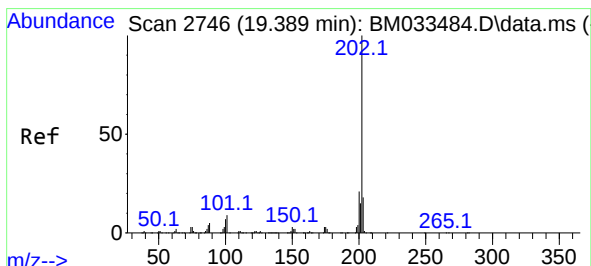
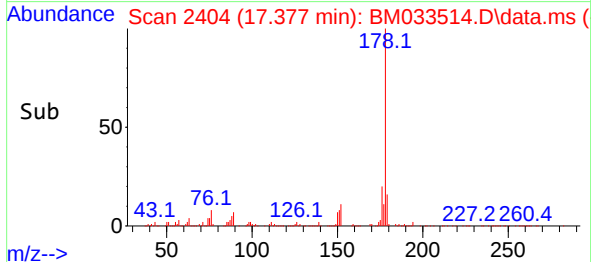
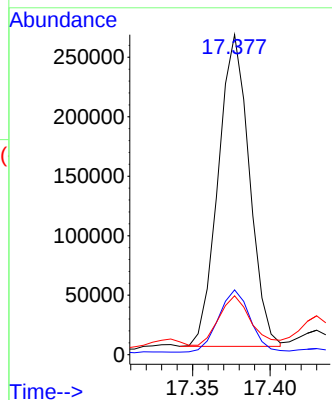
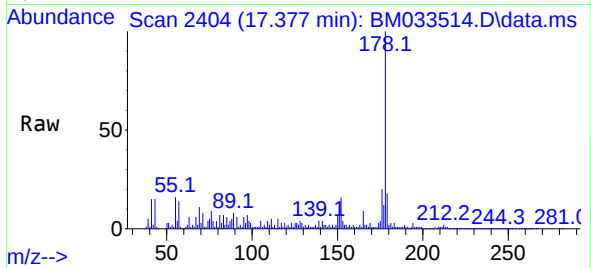




#71
Phenanthrene
Concen: 22.375 ng
RT: 17.377 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

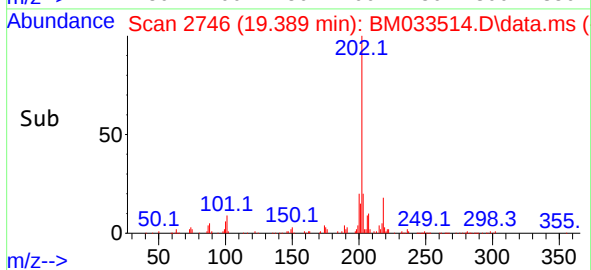
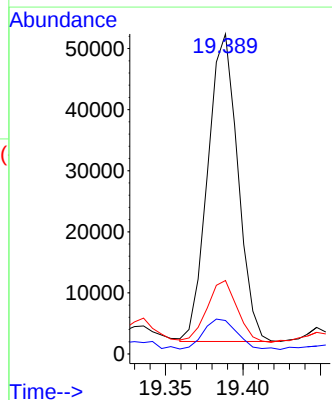
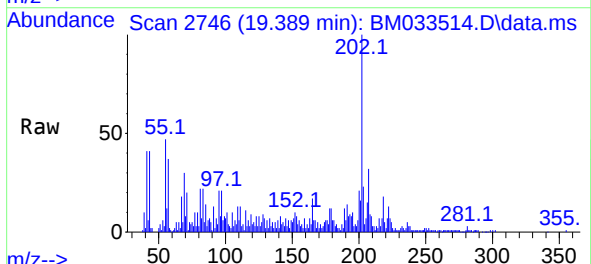
Instrument :
BNA_M
ClientSampleId :
C1

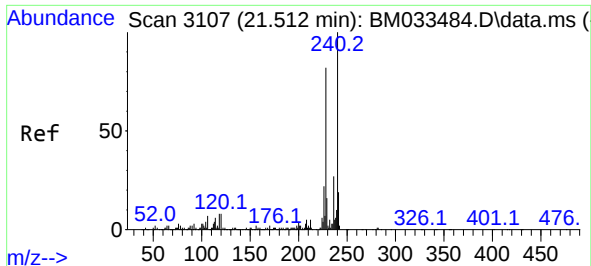
Tgt Ion:178 Resp: 366530
Ion Ratio Lower Upper
178 100
176 20.3 15.1 22.7
179 18.4 12.0 18.0#



#75
Fluoranthene
Concen: 3.611 ng
RT: 19.389 min Scan# 2746
Delta R.T. -0.000 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:202 Resp: 68046
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.8
203 23.0 0.0 37.2

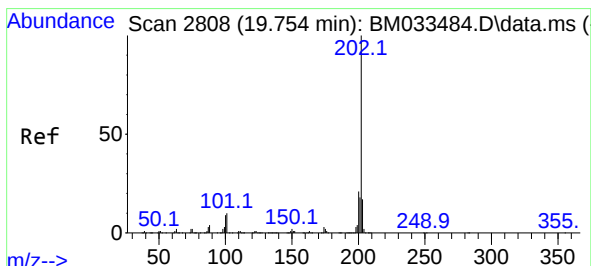
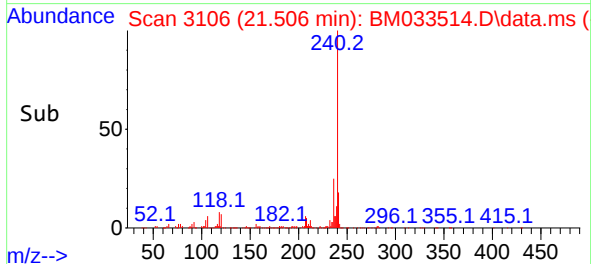
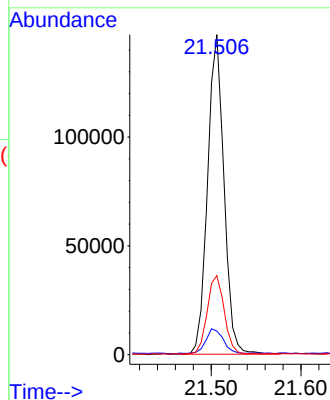
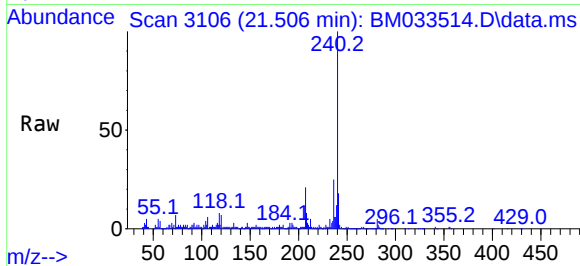




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.506 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

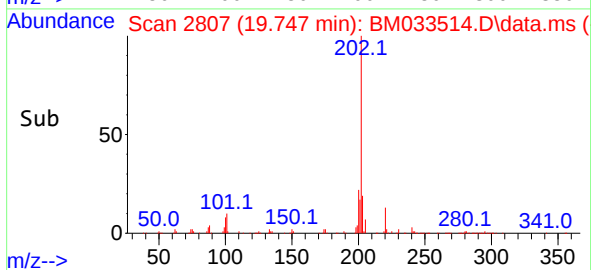
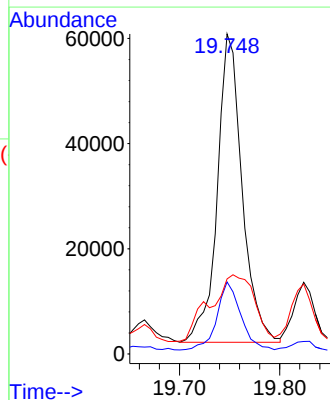
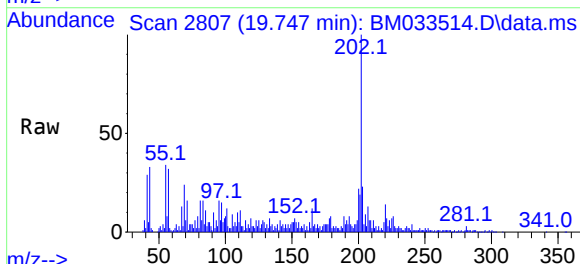
Instrument :
BNA_M
ClientSampleId :
C1

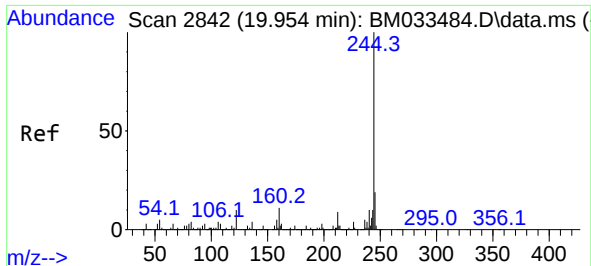
Tgt Ion:240 Resp: 186542
Ion Ratio Lower Upper
240 100
120 7.4 7.8 11.6#
236 24.7 20.3 30.5



#78
Pyrene
Concen: 6.868 ng
RT: 19.747 min Scan# 2807
Delta R.T. -0.007 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:202 Resp: 101087
Ion Ratio Lower Upper
202 100
200 22.5 16.4 24.6
203 23.4 13.5 20.3#

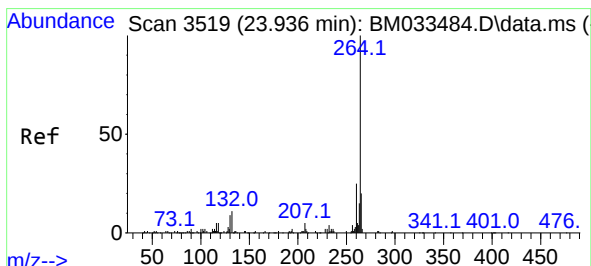
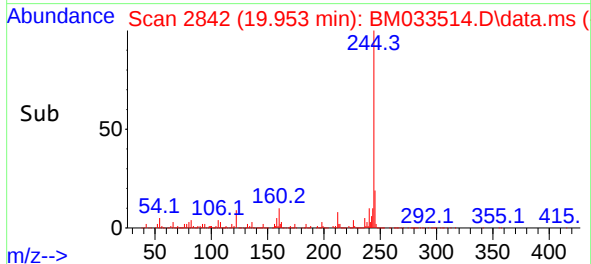
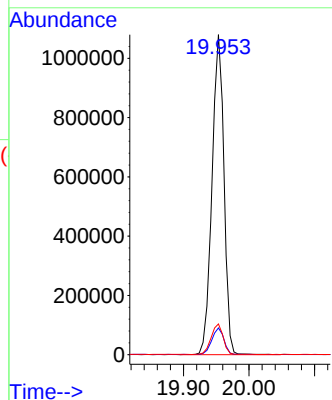
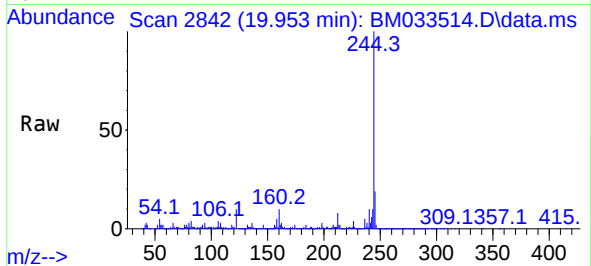




#79
 Terphenyl-d14
 Concen: 115.231 ng
 RT: 19.953 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BM033514.D
 Acq: 17 Dec 2021 20:06

Instrument :
 BNA_M
 ClientSampleId :
 C1

Tgt Ion:244 Resp: 1365372
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.9 8.9
 122 9.6 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.918 min Scan# 3516
 Delta R.T. -0.018 min
 Lab File: BM033514.D
 Acq: 17 Dec 2021 20:06

Tgt Ion:264 Resp: 148102
 Ion Ratio Lower Upper
 264 100
 260 25.0 17.7 26.5
 265 22.9 17.7 26.5

