

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060122\
 Data File : BM035348.D
 Acq On : 01 Jun 2022 15:49
 Operator : CG/JU
 Sample : N3107-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MS-6

Quant Time: Jun 02 08:49:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 31 15:35:47 2022
 Response via : Initial Calibration

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

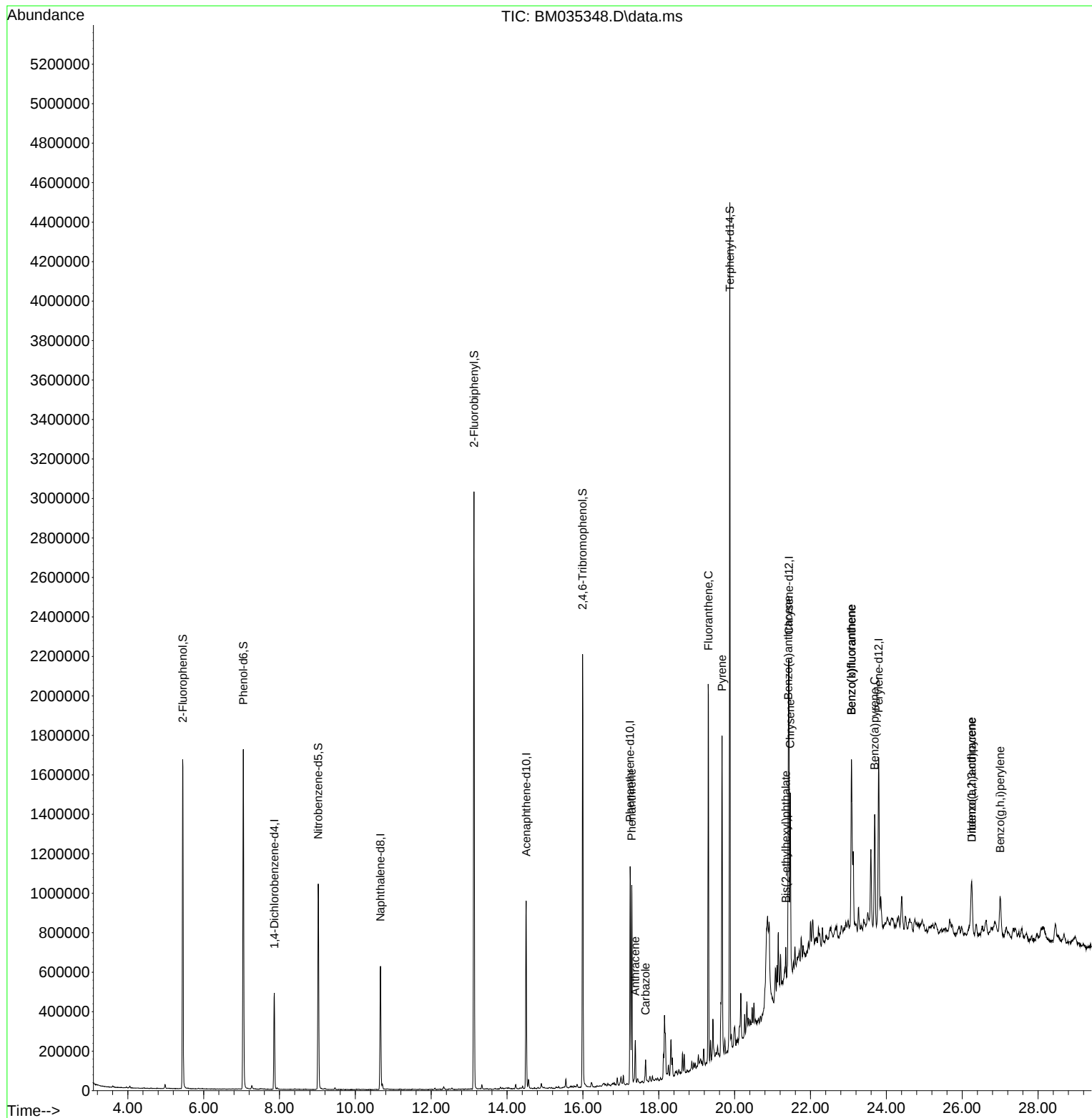
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	144489	20.000	ng	-0.01
21) Naphthalene-d8	10.663	136	547931	20.000	ng	#-0.01
39) Acenaphthene-d10	14.504	164	335933	20.000	ng	-0.01
64) Phenanthrene-d10	17.245	188	677796	20.000	ng	-0.01
76) Chrysene-d12	21.433	240	597910	20.000	ng	# 0.00
86) Perylene-d12	23.797	264	636182	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	754048	96.357	ng	0.00
7) Phenol-d6	7.045	99	996719	98.363	ng	0.00
23) Nitrobenzene-d5	9.022	82	603253	60.606	ng	-0.01
42) 2,4,6-Tribromophenol	15.992	330	451690	103.645	ng	-0.01
45) 2-Fluorobiphenyl	13.127	172	1582594	65.330	ng	-0.01
79) Terphenyl-d14	19.874	244	2016462	59.761	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.286	178	634497	18.220	ng	99
72) Anthracene	17.380	178	140835	4.143	ng	98
73) Carbazole	17.651	167	72797	2.252	ng	99
75) Fluoranthene	19.309	202	1171625	28.724	ng	96
78) Pyrene	19.668	202	1007692	25.689	ng	99
81) Benzo(a)anthracene	21.415	228	543593	14.377	ng	99
83) Chrysene	21.468	228	518544	14.528	ng	98
84) Bis(2-ethylhexyl)phtha...	21.350	149	62246	2.934	ng	# 94
87) Indeno(1,2,3-cd)pyrene	26.250	276	283336	6.537	ng	# 92
88) Benzo(b)fluoranthene	23.080	252	647974	16.882	ng	97
89) Benzo(k)fluoranthene	23.080	252	647974	17.088	ng	96
90) Benzo(a)pyrene	23.691	252	430659	13.538	ng	95
91) Dibenzo(a,h)anthracene	26.256	278	81252	2.257	ng	# 89
92) Benzo(g,h,i)perylene	27.003	276	276577	7.702	ng	95

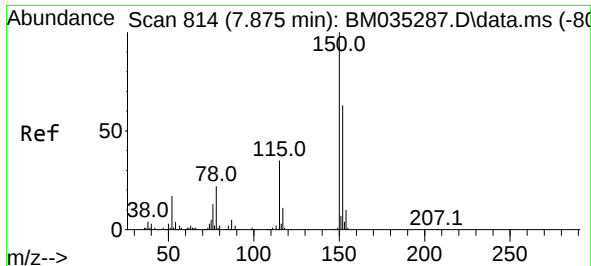
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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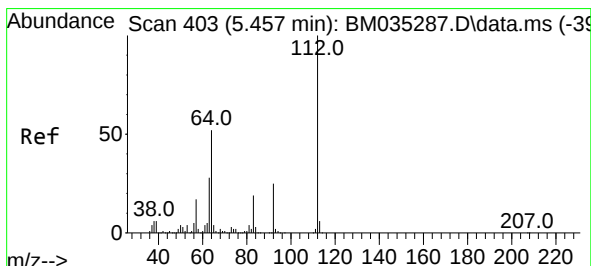
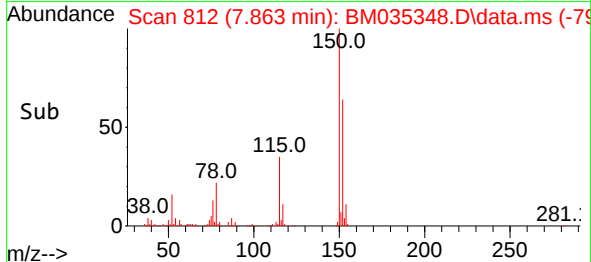
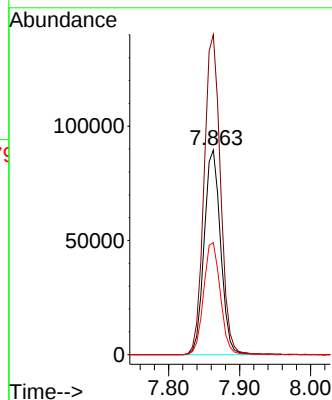
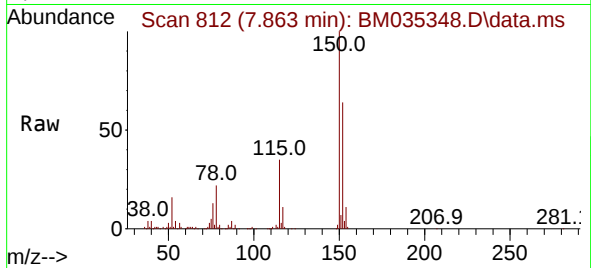




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 814
Delta R.T. -0.012 min
Lab File: BM035348.D
Acq: 01 Jun 2022 15:49

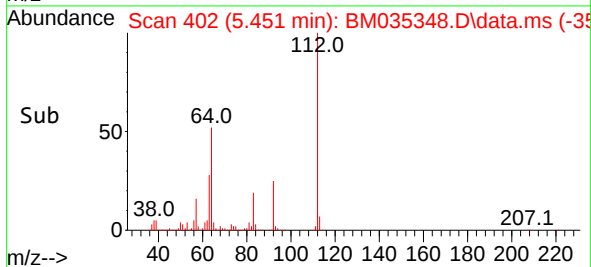
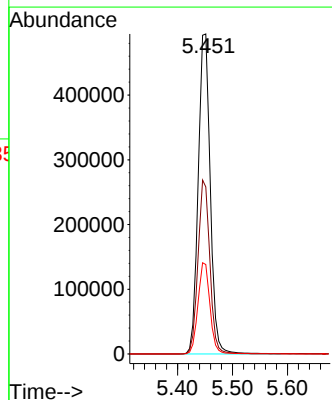
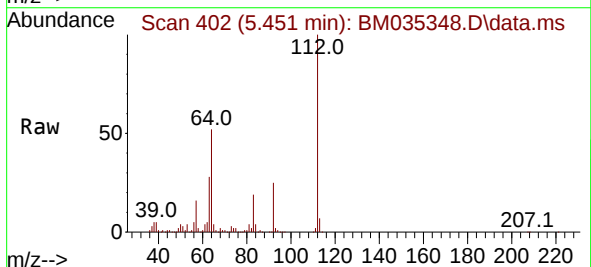
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BNA_M
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MS-6

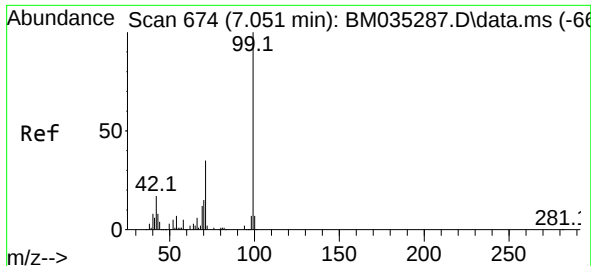
Tgt Ion:152 Resp: 144489
Ion Ratio Lower Upper
152 100
150 156.4 124.9 187.3
115 54.7 47.9 71.9



#5
2-Fluorophenol
Concen: 96.357 ng
RT: 5.451 min Scan# 402
Delta R.T. -0.006 min
Lab File: BM035348.D
Acq: 01 Jun 2022 15:49

Tgt Ion:112 Resp: 754048
Ion Ratio Lower Upper
112 100
64 52.2 47.8 71.6
63 27.9 26.6 40.0

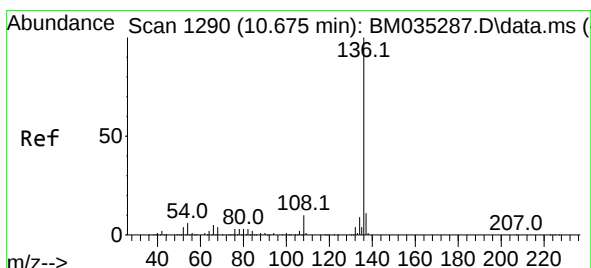
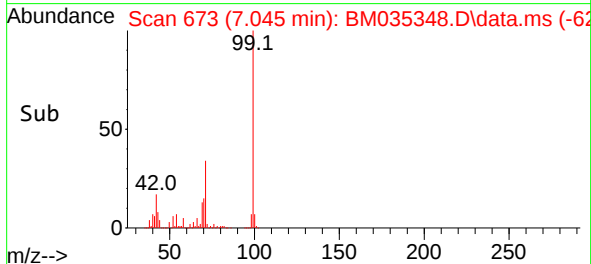
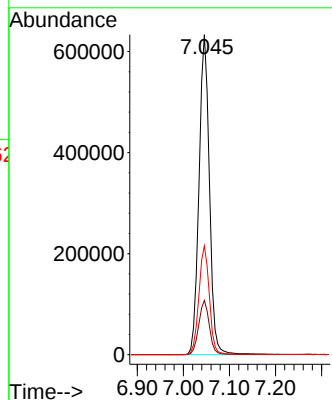
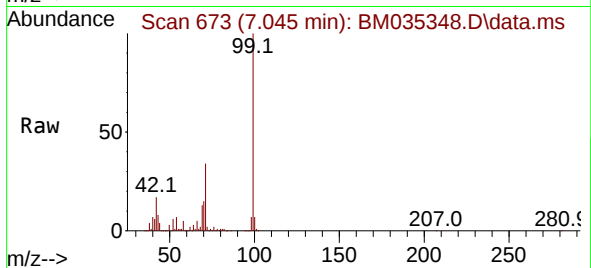




#7
Phenol-d6
Concen: 98.363 ng
RT: 7.045 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035348.D
Acq: 01 Jun 2022 15:49

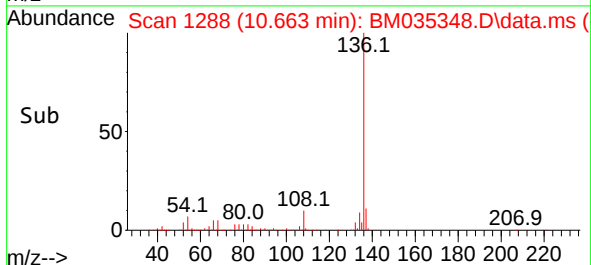
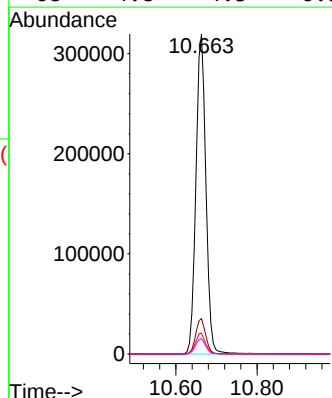
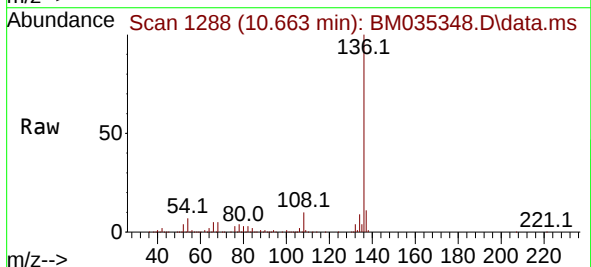
Instrument :
BNA_M
ClientSampleId :
MS-6

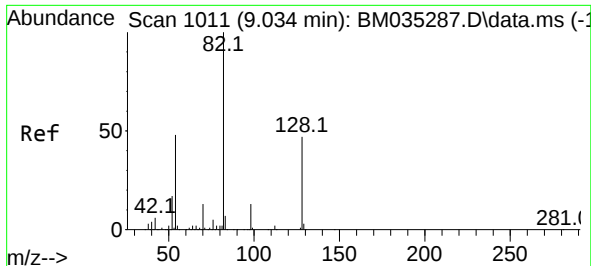
Tgt Ion: 99 Resp: 996719
Ion Ratio Lower Upper
99 100
42 17.0 18.8 28.2#
71 34.0 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BM035348.D
Acq: 01 Jun 2022 15:49

Tgt Ion: 136 Resp: 547931
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.6 7.0 10.4#
68 4.8 4.3 6.5

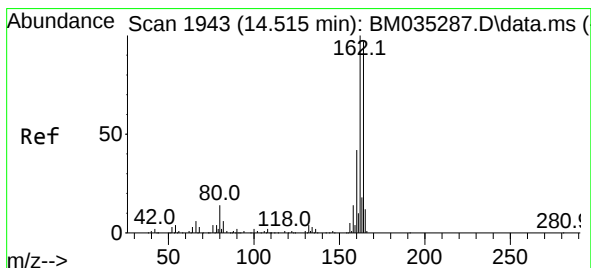
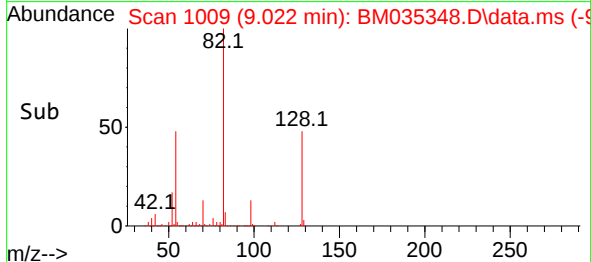
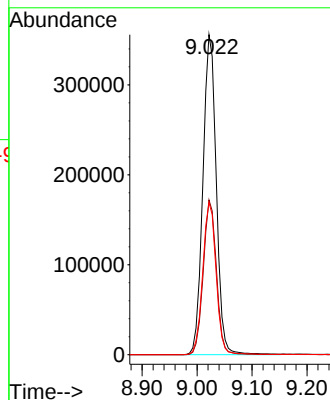
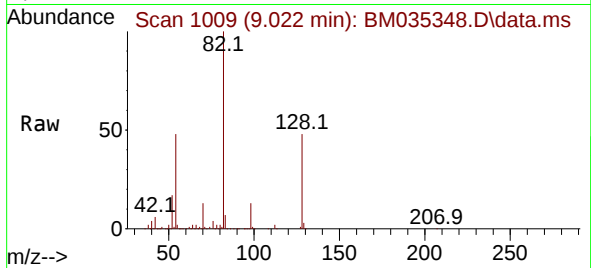




#23
Nitrobenzene-d5
Concen: 60.606 ng
RT: 9.022 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM035348.D
Acq: 01 Jun 2022 15:49

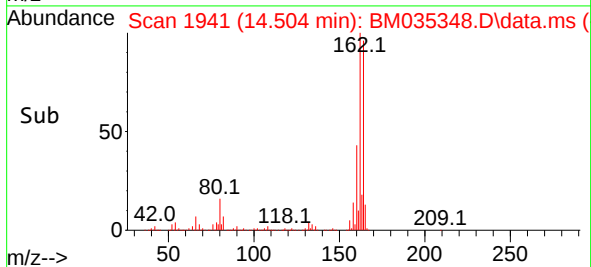
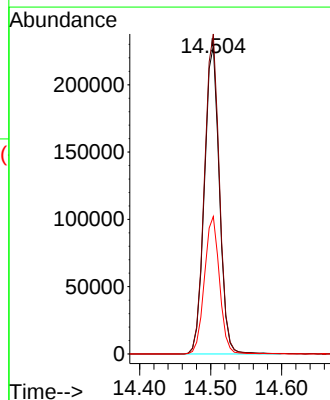
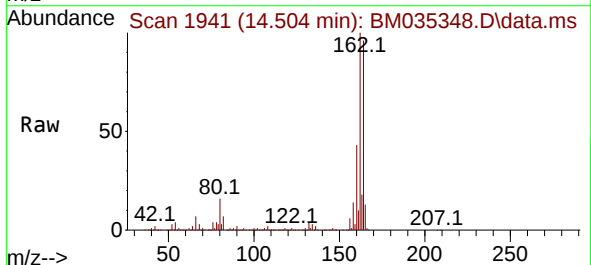
Instrument :
BNA_M
ClientSampleId :
MS-6

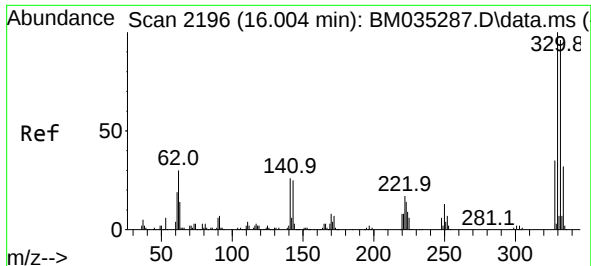
Tgt Ion: 82 Resp: 603253
Ion Ratio Lower Upper
82 100
128 48.3 33.7 50.5
54 47.5 43.2 64.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1941
Delta R.T. -0.011 min
Lab File: BM035348.D
Acq: 01 Jun 2022 15:49

Tgt Ion: 164 Resp: 335933
Ion Ratio Lower Upper
164 100
162 103.8 83.0 124.6
160 44.6 37.0 55.4

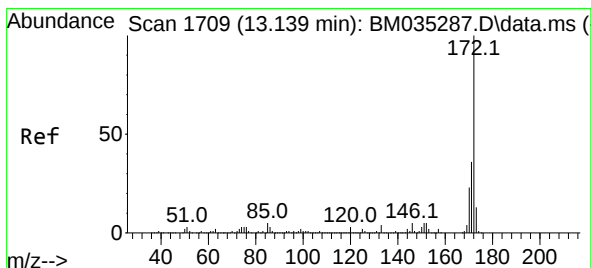
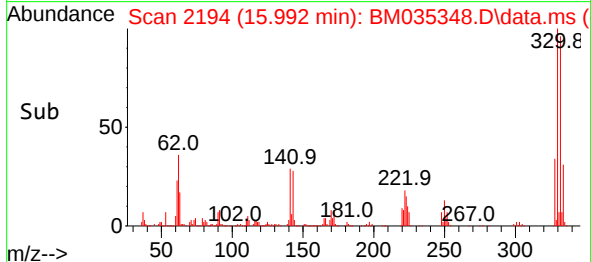
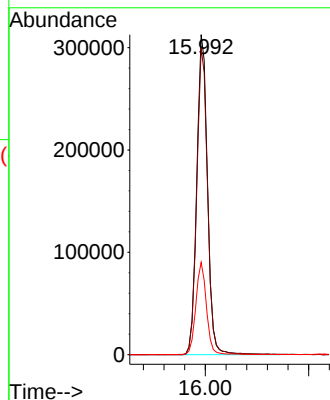
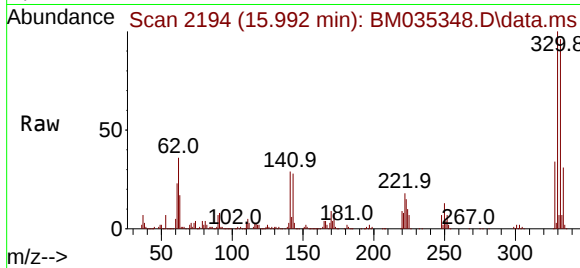




#42
2,4,6-Tribromophenol
Concen: 103.645 ng
RT: 15.992 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM035348.D
Acq: 01 Jun 2022 15:49

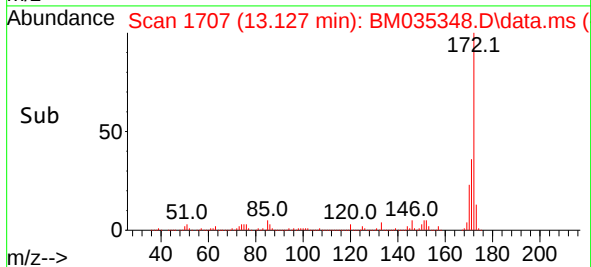
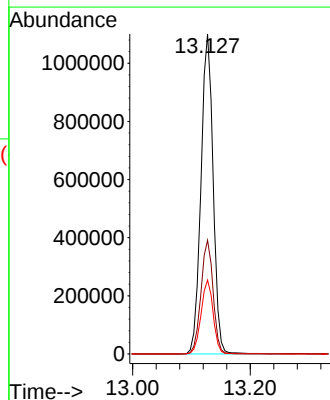
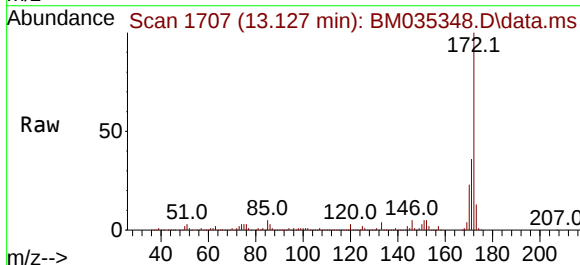
Instrument :
BNA_M
ClientSampleId :
MS-6

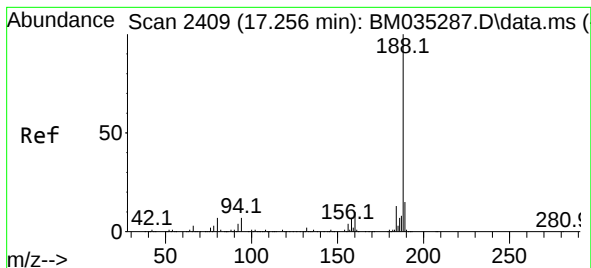
Tgt Ion:330 Resp: 451690
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.4
141 28.3 35.3 52.9#



#45
2-Fluorobiphenyl
Concen: 65.330 ng
RT: 13.127 min Scan# 1707
Delta R.T. -0.012 min
Lab File: BM035348.D
Acq: 01 Jun 2022 15:49

Tgt Ion:172 Resp: 1582594
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.1 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.245 min Scan# 2409

Delta R.T. -0.012 min

Lab File: BM035348.D

Acq: 01 Jun 2022 15:49

Instrument :

BNA_M

ClientSampleId :

MS-6

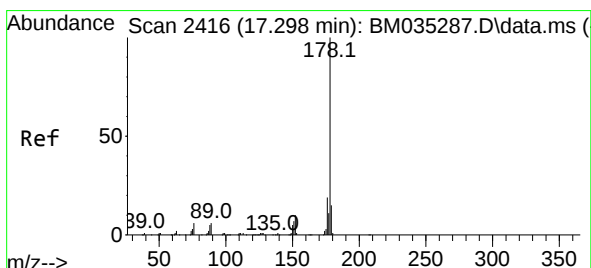
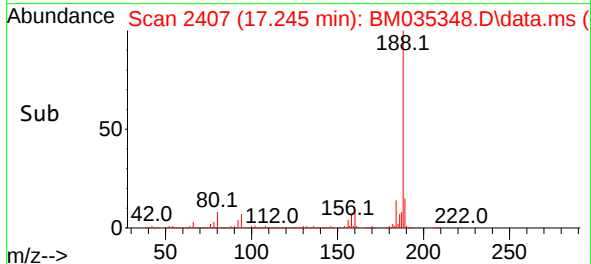
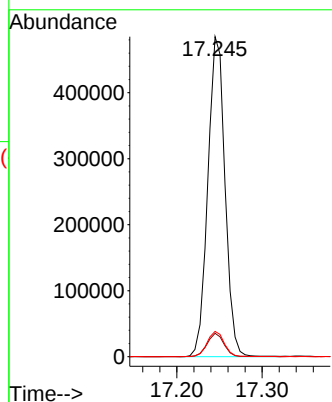
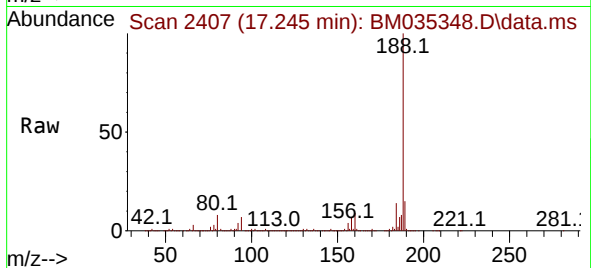
Tgt Ion:188 Resp: 677796

Ion Ratio Lower Upper

188 100

94 7.3 7.0 10.4

80 7.9 7.6 11.4



#71

Phenanthrene

Concen: 18.220 ng

RT: 17.286 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BM035348.D

Acq: 01 Jun 2022 15:49

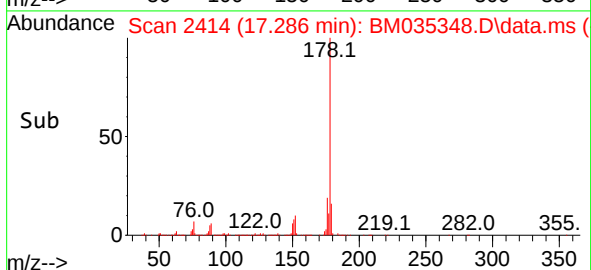
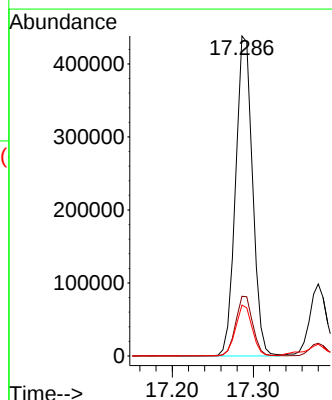
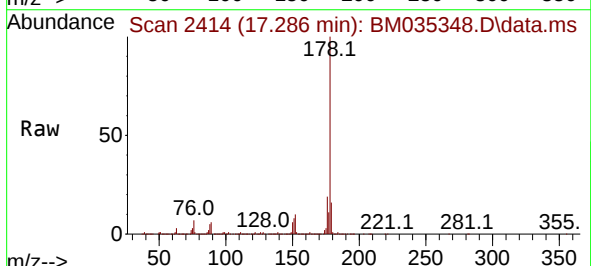
Tgt Ion:178 Resp: 634497

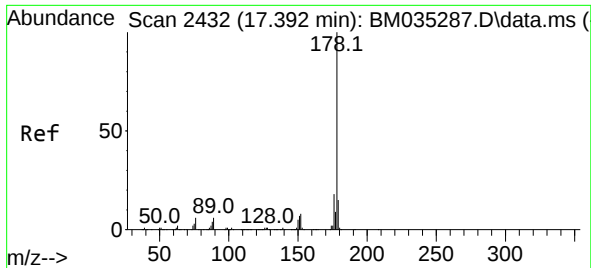
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

179 15.9 12.4 18.6

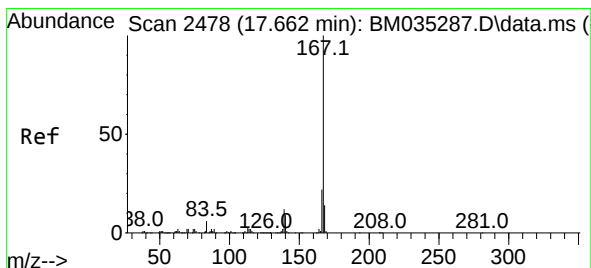
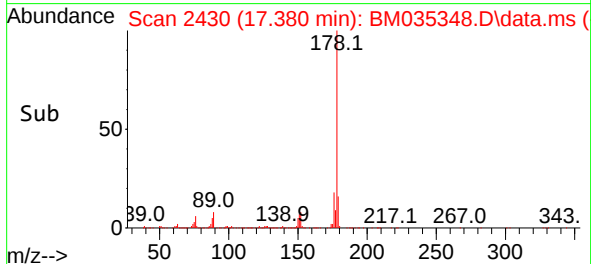
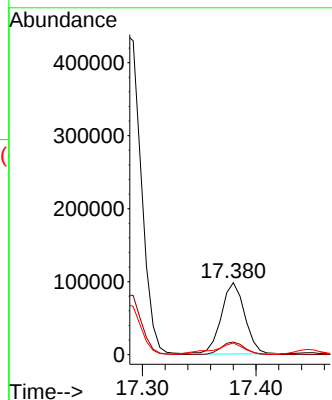
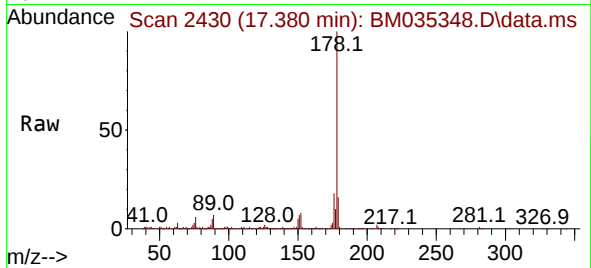




#72
 Anthracene
 Concen: 4.143 ng
 RT: 17.380 min Scan# 2432
 Delta R.T. -0.012 min
 Lab File: BM035348.D
 Acq: 01 Jun 2022 15:49

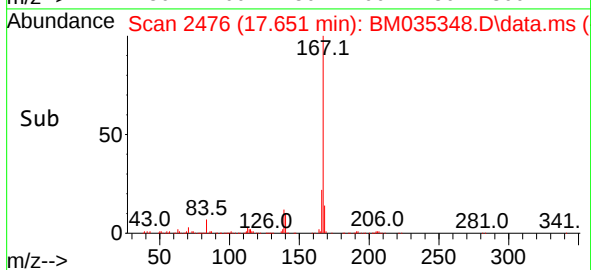
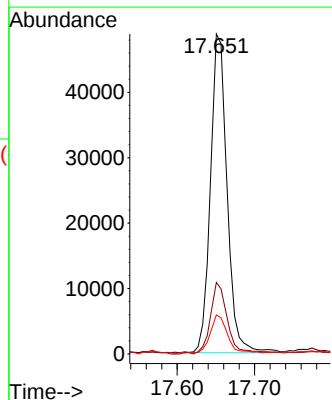
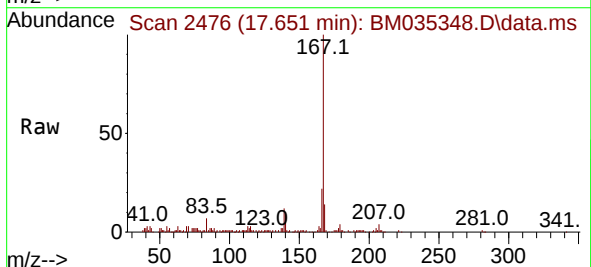
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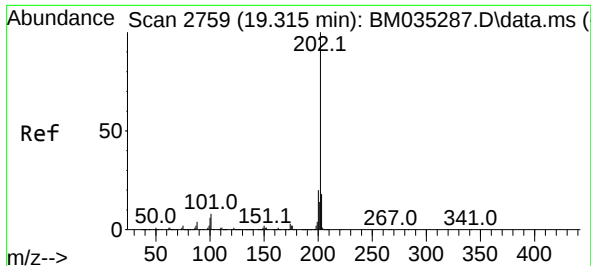
Tgt Ion:178 Resp: 140835
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.0 22.4
 179 16.2 12.2 18.2



#73
 Carbazole
 Concen: 2.252 ng
 RT: 17.651 min Scan# 2476
 Delta R.T. -0.012 min
 Lab File: BM035348.D
 Acq: 01 Jun 2022 15:49

Tgt Ion:167 Resp: 72797
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.8 26.8
 139 12.2 10.9 16.3

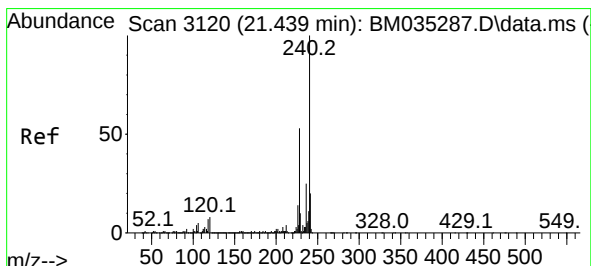
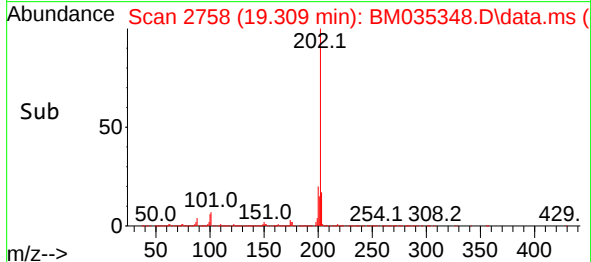
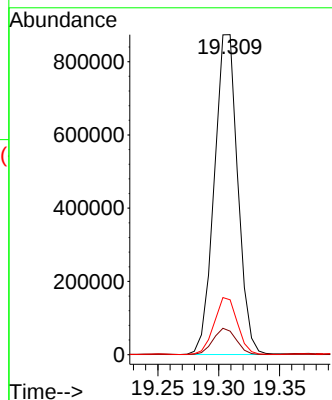
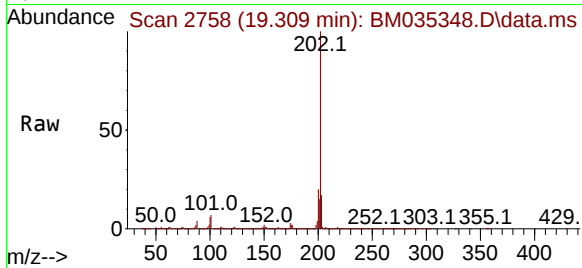




#75
Fluoranthene
Concen: 28.724 ng
RT: 19.309 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035348.D
Acq: 01 Jun 2022 15:49

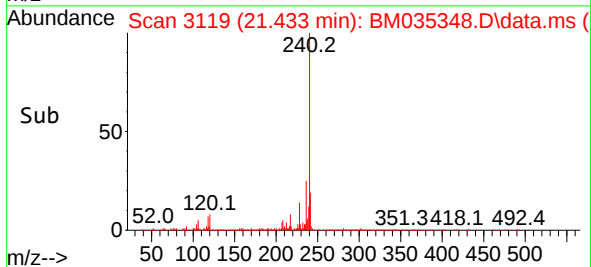
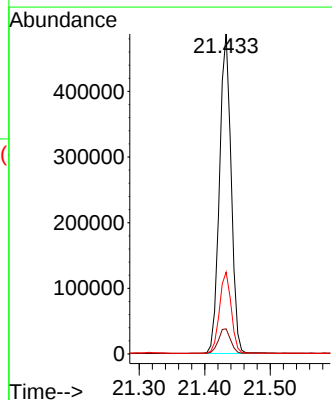
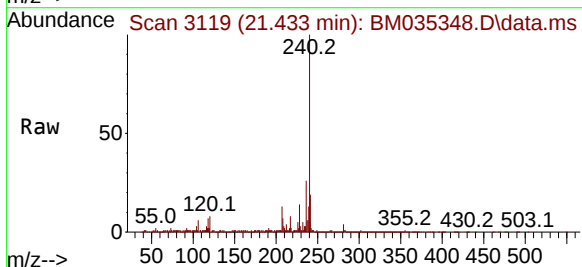
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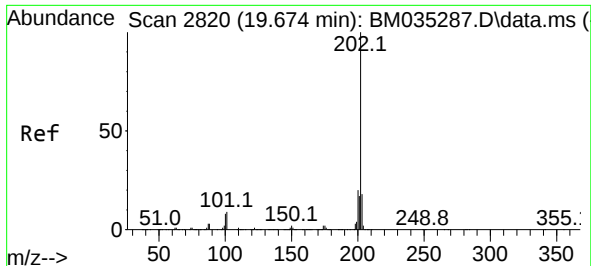
Tgt Ion:202 Resp: 1171625
Ion Ratio Lower Upper
202 100
101 7.4 0.0 30.6
203 17.2 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM035348.D
Acq: 01 Jun 2022 15:49

Tgt Ion:240 Resp: 597910
Ion Ratio Lower Upper
240 100
120 7.8 9.4 14.0#
236 25.6 20.6 30.8

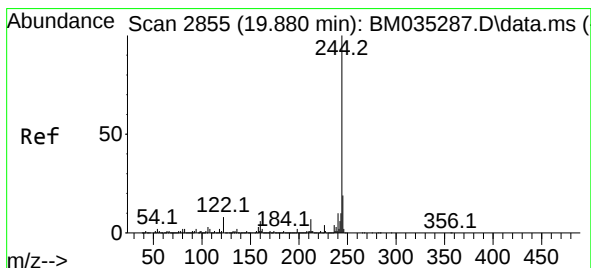
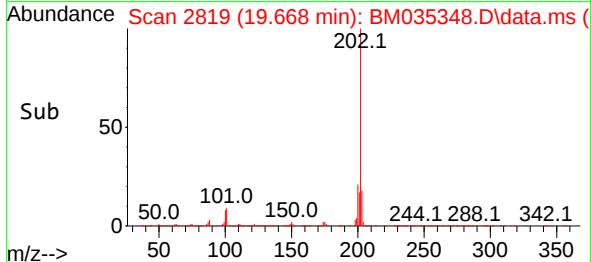
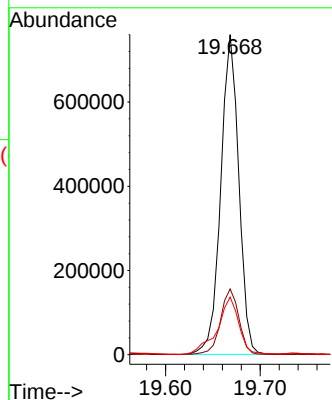
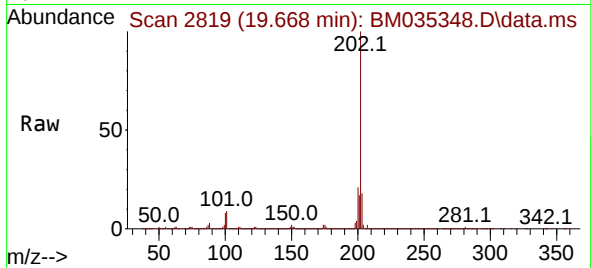




#78
 Pyrene
 Concen: 25.689 ng
 RT: 19.668 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM035348.D
 Acq: 01 Jun 2022 15:49

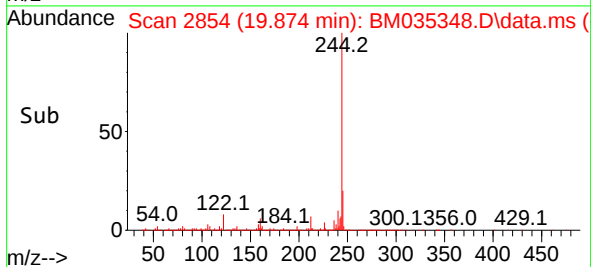
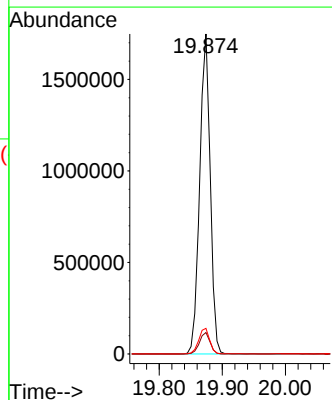
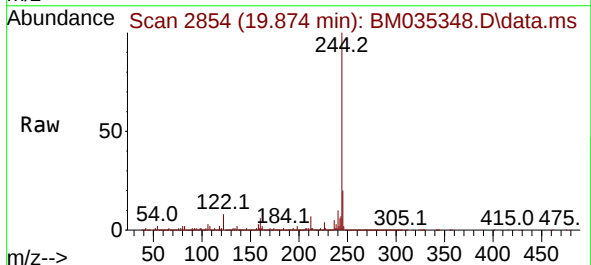
Instrument :
 BNA_M
 ClientSampleId :
 MS-6

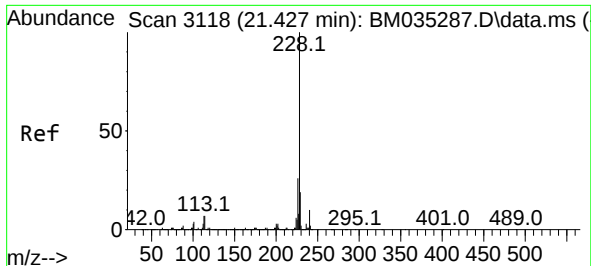
Tgt Ion:202 Resp: 1007692
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.7 25.1
 203 18.0 13.9 20.9



#79
 Terphenyl-d14
 Concen: 59.761 ng
 RT: 19.874 min Scan# 2854
 Delta R.T. -0.006 min
 Lab File: BM035348.D
 Acq: 01 Jun 2022 15:49

Tgt Ion:244 Resp: 2016462
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.2 9.4
 122 8.0 8.3 12.5#

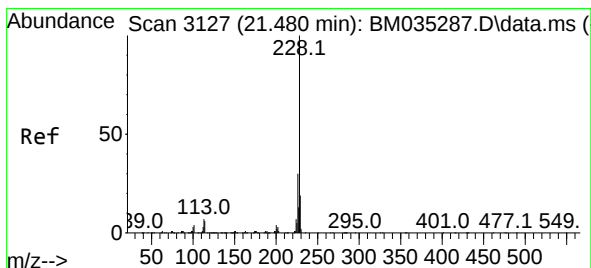
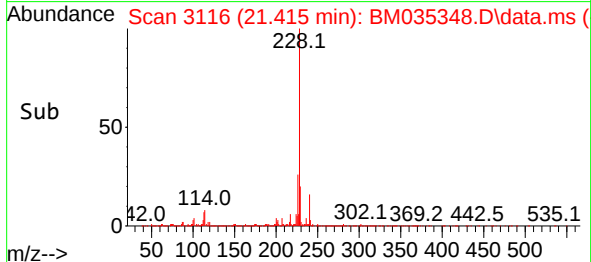
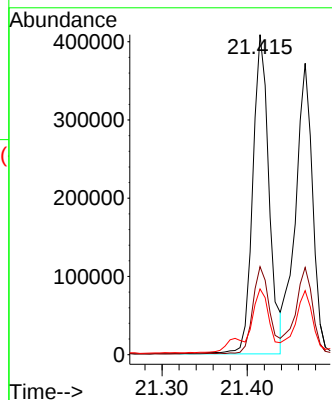
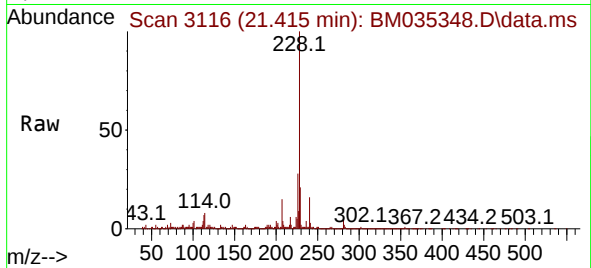




#81
Benzo(a)anthracene
Concen: 14.377 ng
RT: 21.415 min Scan# 3116
Delta R.T. -0.012 min
Lab File: BM035348.D
Acq: 01 Jun 2022 15:49

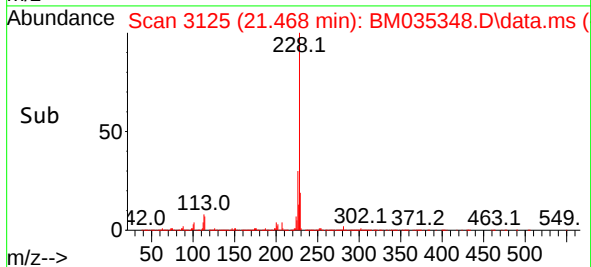
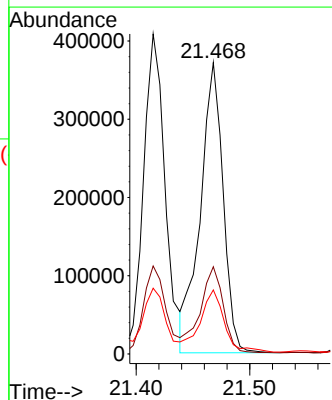
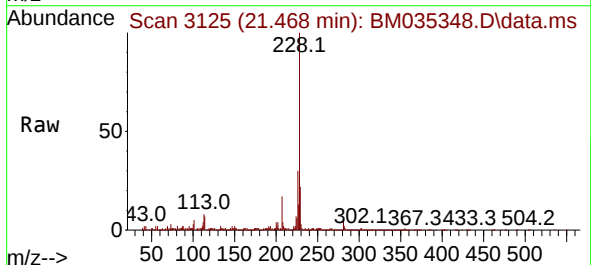
Instrument :
BNA_M
ClientSampleId :
MS-6

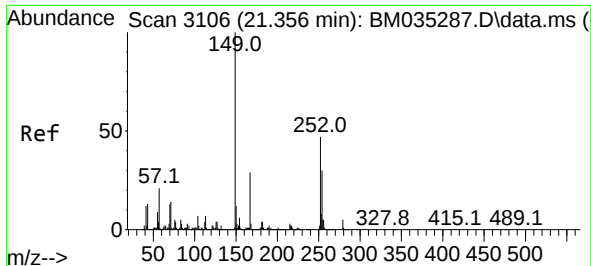
Tgt Ion:228 Resp: 543593
Ion Ratio Lower Upper
228 100
226 27.5 22.3 33.5
229 20.5 15.8 23.6



#83
Chrysene
Concen: 14.528 ng
RT: 21.468 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM035348.D
Acq: 01 Jun 2022 15:49

Tgt Ion:228 Resp: 518544
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 22.0 15.8 23.8

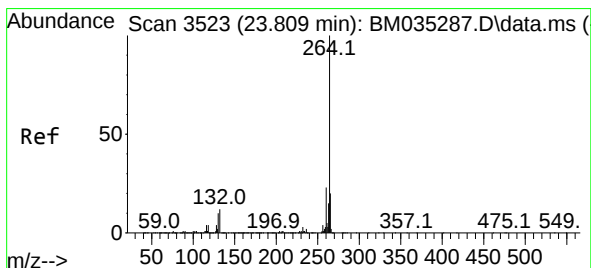
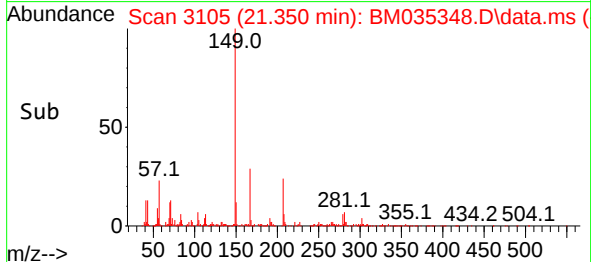
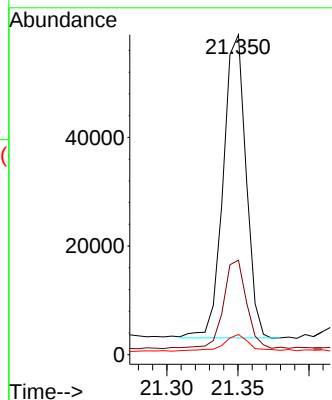
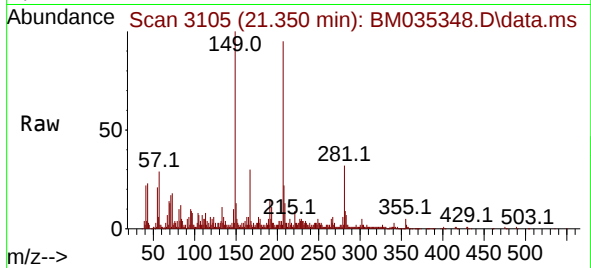




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.934 ng
RT: 21.350 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM035348.D
Acq: 01 Jun 2022 15:49

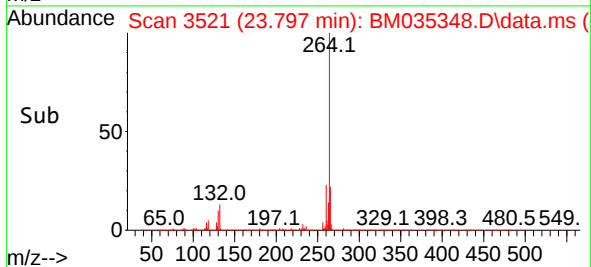
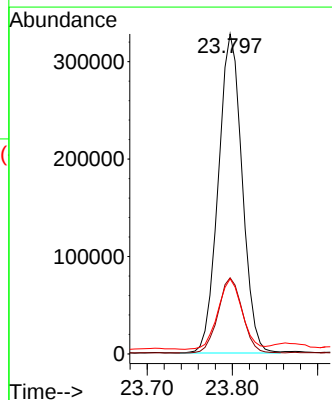
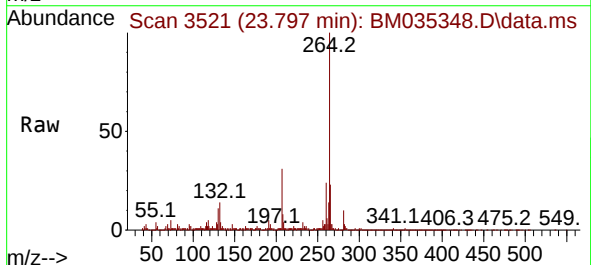
Instrument :
BNA_M
ClientSampleId :
MS-6

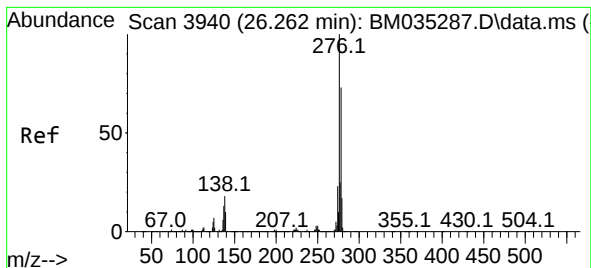
Tgt Ion:149 Resp: 62246
Ion Ratio Lower Upper
149 100
167 29.6 21.1 31.7
279 6.3 2.8 4.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.797 min Scan# 3521
Delta R.T. -0.012 min
Lab File: BM035348.D
Acq: 01 Jun 2022 15:49

Tgt Ion:264 Resp: 636182
Ion Ratio Lower Upper
264 100
260 23.8 18.9 28.3
265 23.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.537 ng

RT: 26.250 min Scan# 3940

Delta R.T. -0.012 min

Lab File: BM035348.D

Acq: 01 Jun 2022 15:49

Instrument :

BNA_M

ClientSampleId :

MS-6

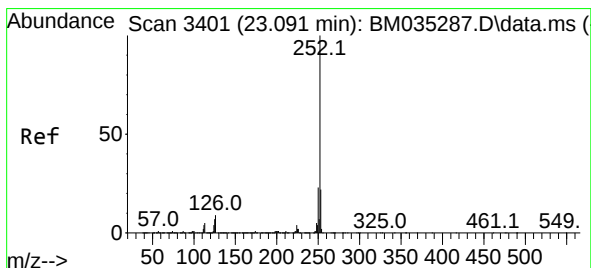
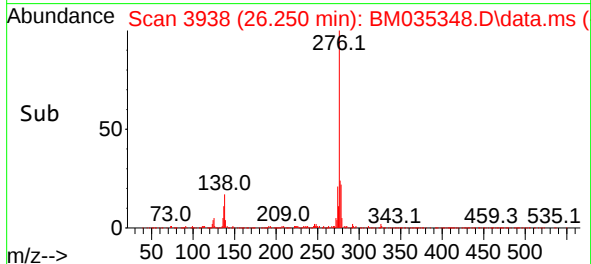
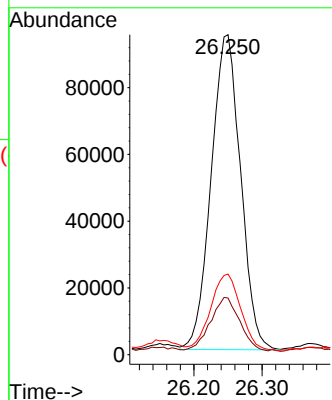
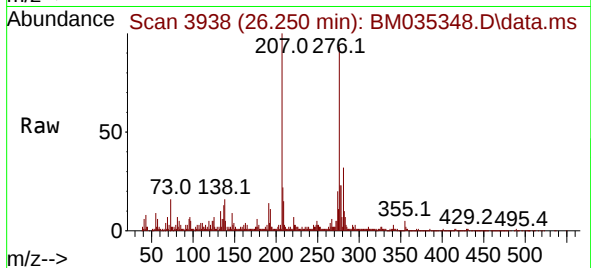
Tgt Ion:276 Resp: 283336

Ion Ratio Lower Upper

276 100

138 17.0 20.2 30.4#

277 25.0 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 16.882 ng

RT: 23.080 min Scan# 3399

Delta R.T. -0.012 min

Lab File: BM035348.D

Acq: 01 Jun 2022 15:49

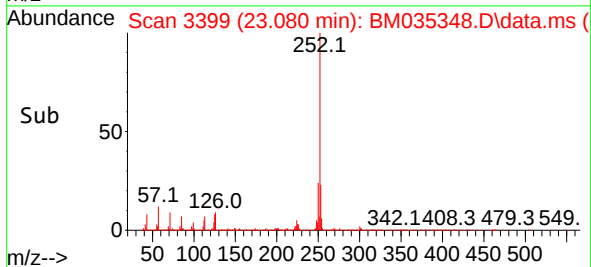
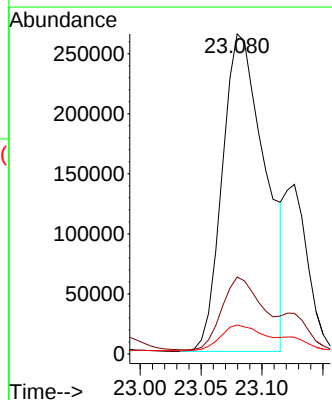
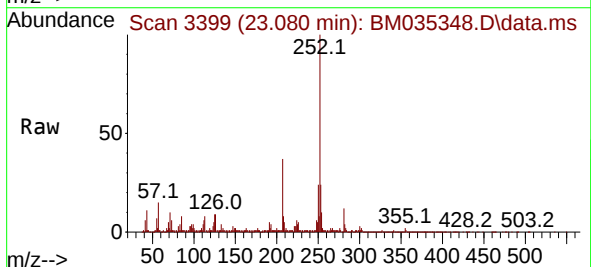
Tgt Ion:252 Resp: 647974

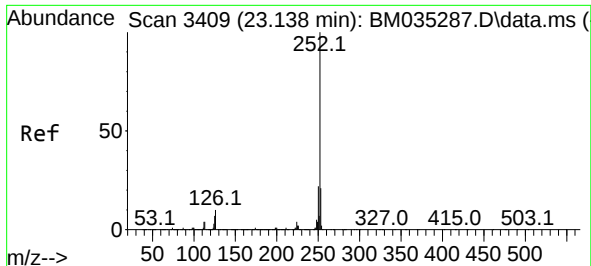
Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 9.0 7.6 11.4

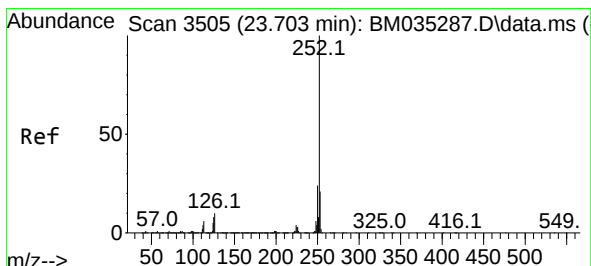
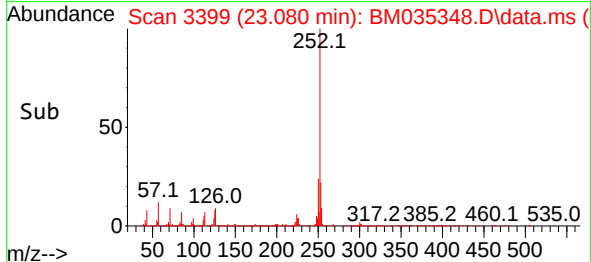
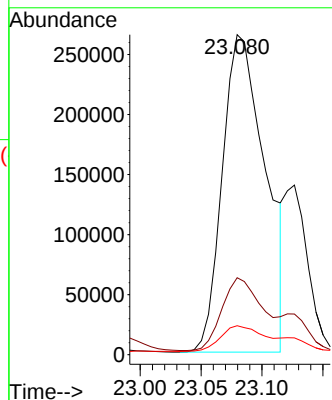
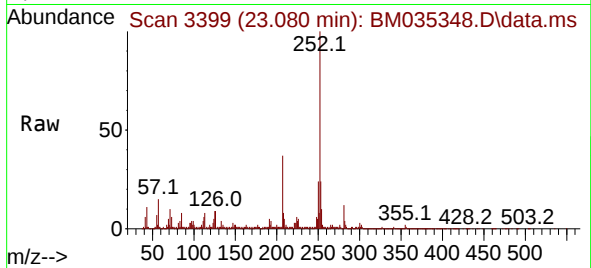




#89
Benzo(k)fluoranthene
Concen: 17.088 ng
RT: 23.080 min Scan# 31
Delta R.T. -0.059 min
Lab File: BM035348.D
Acq: 01 Jun 2022 15:49

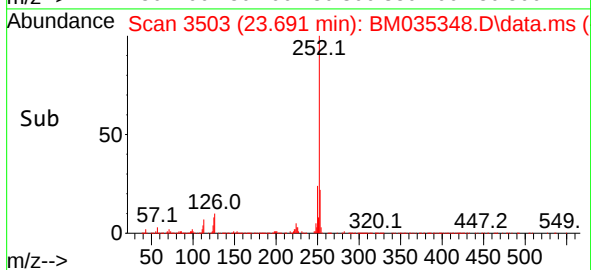
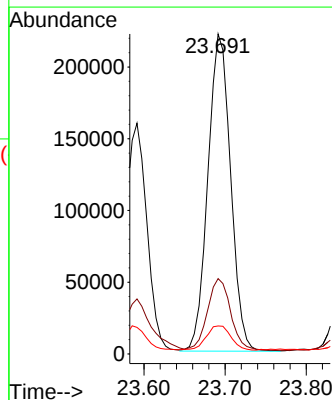
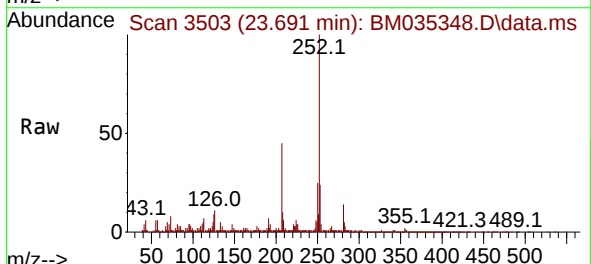
Instrument :
BNA_M
ClientSampleId :
MS-6

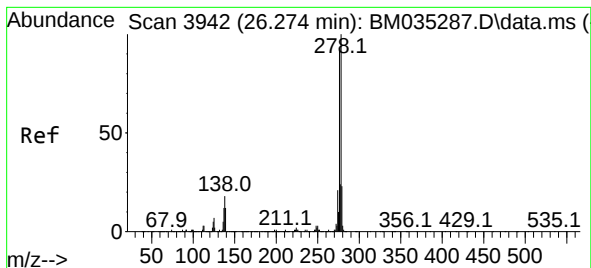
Tgt Ion:252 Resp: 647974
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 9.0 7.6 11.4



#90
Benzo(a)pyrene
Concen: 13.538 ng
RT: 23.691 min Scan# 3503
Delta R.T. -0.012 min
Lab File: BM035348.D
Acq: 01 Jun 2022 15:49

Tgt Ion:252 Resp: 430659
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 8.7 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 2.257 ng

RT: 26.256 min Scan# 3942

Delta R.T. -0.018 min

Lab File: BM035348.D

Acq: 01 Jun 2022 15:49

Instrument :

BNA_M

ClientSampleId :

MS-6

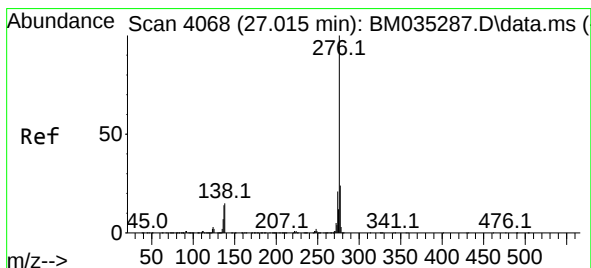
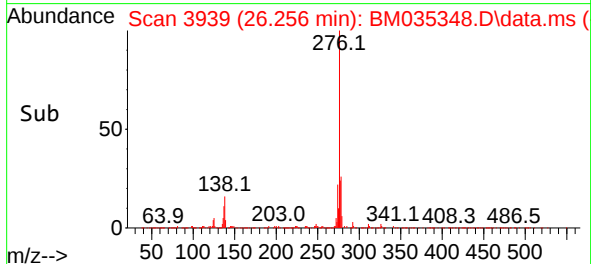
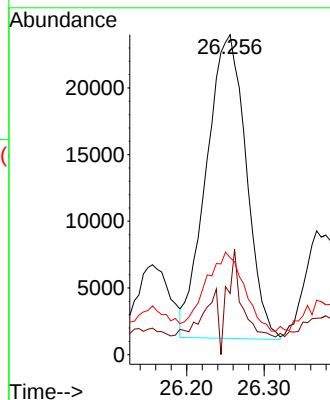
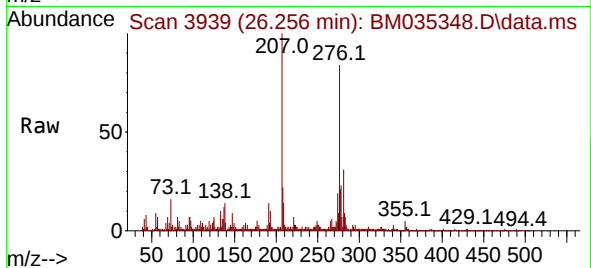
Tgt Ion:278 Resp: 81252

Ion Ratio Lower Upper

278 100

139 19.2 12.9 19.3

279 30.3 18.7 28.1#



#92

Benzo(g,h,i)perylene

Concen: 7.702 ng

RT: 27.003 min Scan# 4066

Delta R.T. -0.012 min

Lab File: BM035348.D

Acq: 01 Jun 2022 15:49

Tgt Ion:276 Resp: 276577

Ion Ratio Lower Upper

276 100

277 24.7 18.7 28.1

138 18.0 17.6 26.4

