

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032724\
 Data File : BM044791.D
 Acq On : 27 Mar 2024 22:22
 Operator : MA/JU
 Sample : P1874-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-209

Quant Time: Mar 28 01:02:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 02:28:24 2024
 Response via : Initial Calibration

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

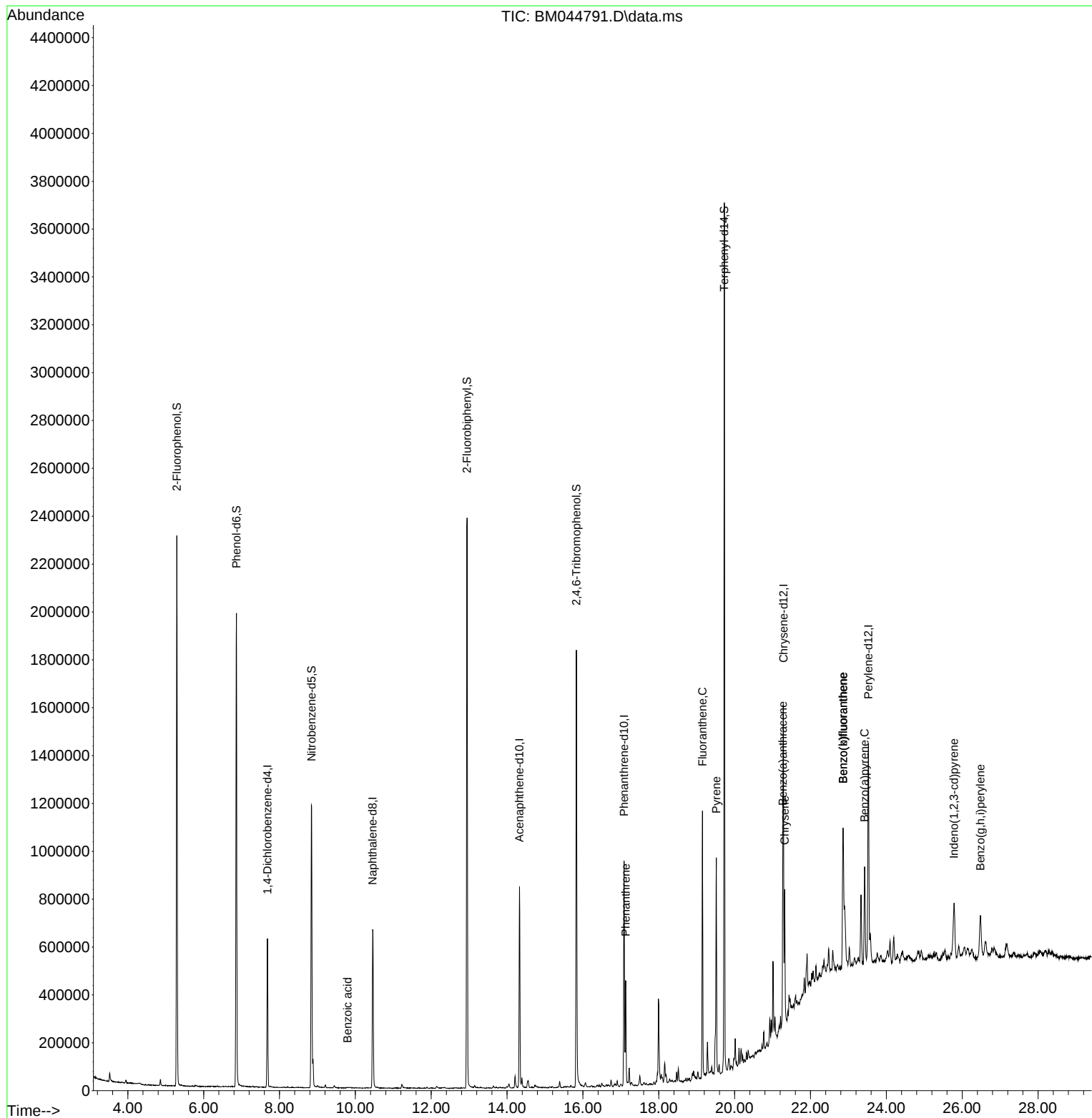
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	155923	20.000	ng	-0.02
21) Naphthalene-d8	10.457	136	556850	20.000	ng	-0.03
39) Acenaphthene-d10	14.327	164	292701	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	554563	20.000	ng	-0.02
76) Chrysene-d12	21.286	240	515540	20.000	ng	-0.02
86) Perylene-d12	23.527	264	632669	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	904208	83.262	ng	-0.01
7) Phenol-d6	6.863	99	1083061	77.521	ng	-0.02
23) Nitrobenzene-d5	8.845	82	684588	59.227	ng	-0.02
42) 2,4,6-Tribromophenol	15.827	330	298068	92.327	ng	-0.02
45) 2-Fluorobiphenyl	12.945	172	1236964	58.202	ng	-0.02
79) Terphenyl-d14	19.727	244	1565086	53.107	ng	-0.02
Target Compounds						
						Qvalue
32) Benzoic acid	9.792	122	947	3.746	ng	# 61
71) Phenanthrene	17.127	178	256880	8.382	ng	100
75) Fluoranthene	19.151	202	615570	17.969	ng	97
78) Pyrene	19.515	202	529795	14.021	ng	99
81) Benzo(a)anthracene	21.268	228	276200	7.700	ng	99
83) Chrysene	21.321	228	288466	8.416	ng	97
87) Indeno(1,2,3-cd)pyrene	25.785	276	210170	4.595	ng	94
88) Benzo(b)fluoranthene	22.856	252	429682	11.557	ng	99
89) Benzo(k)fluoranthene	22.856	252	429682	11.242	ng	98
90) Benzo(a)pyrene	23.427	252	276365	7.621	ng	98
92) Benzo(g,h,i)perylene	26.480	276	209457	5.518	ng	98

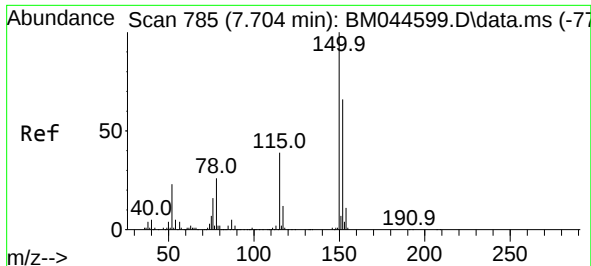
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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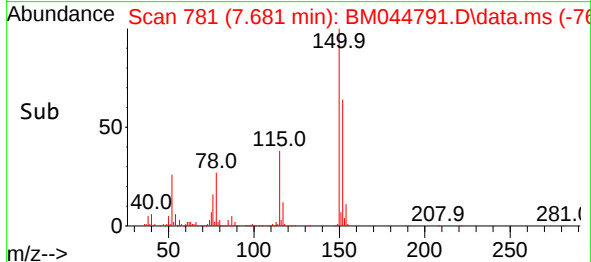
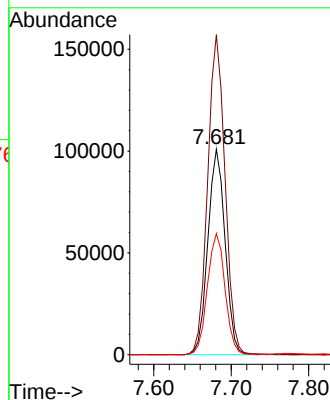
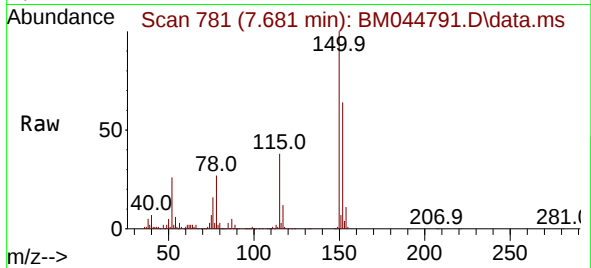




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.681 min Scan# 71
Delta R.T. -0.023 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

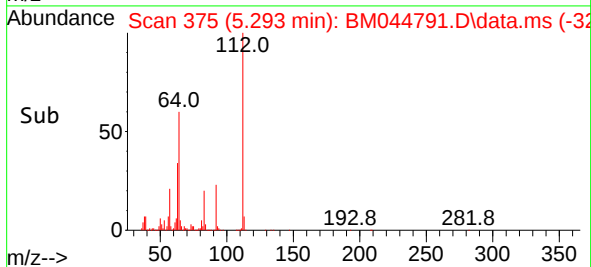
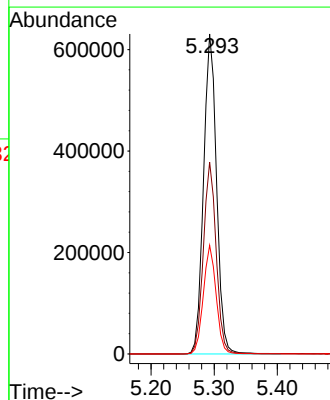
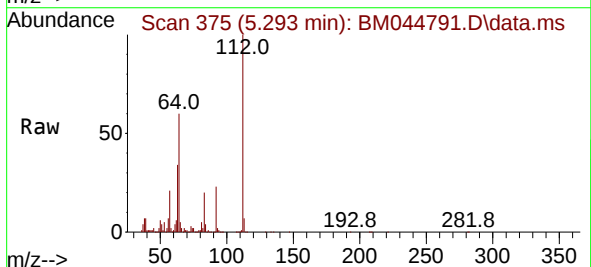
Instrument :
BNA_M
ClientSampleId :
VNJ-209

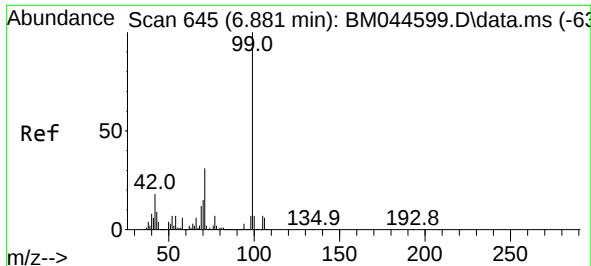
Tgt Ion:152 Resp: 155923
Ion Ratio Lower Upper
152 100
150 155.7 121.9 182.9
115 58.9 47.1 70.7



#5
2-Fluorophenol
Concen: 83.262 ng
RT: 5.293 min Scan# 375
Delta R.T. -0.012 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

Tgt Ion:112 Resp: 904208
Ion Ratio Lower Upper
112 100
64 59.9 47.9 71.9
63 34.0 25.0 37.4

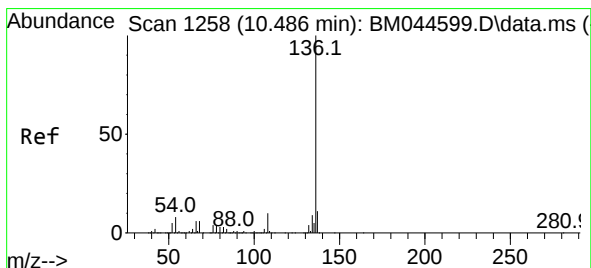
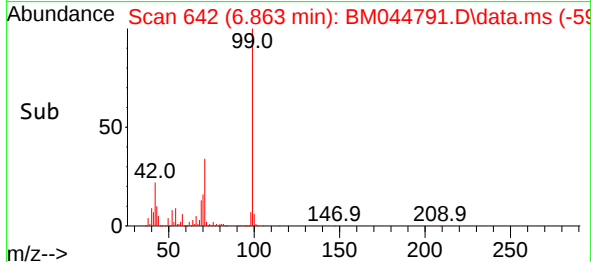
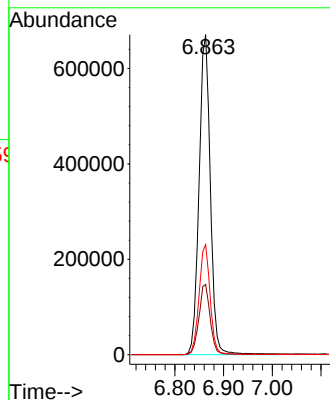
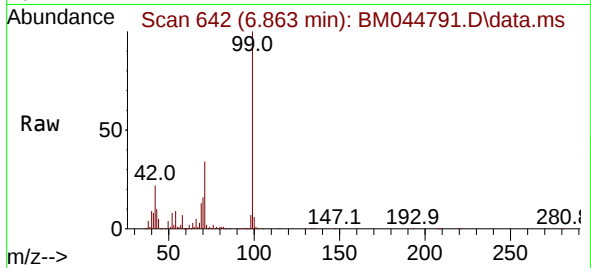




#7
Phenol-d6
Concen: 77.521 ng
RT: 6.863 min Scan# 64
Delta R.T. -0.018 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

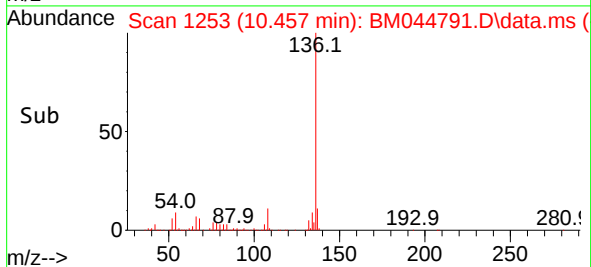
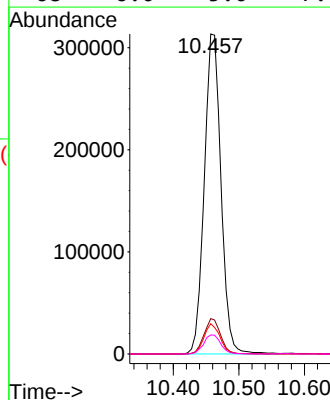
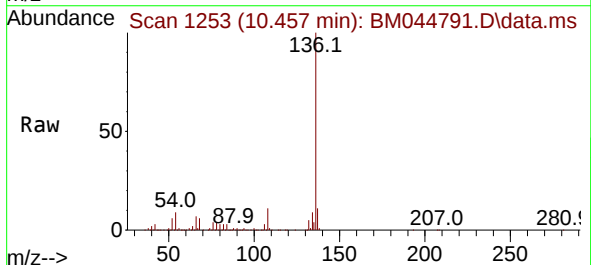
Instrument :
BNA_M
ClientSampleId :
VNJ-209

Tgt Ion: 99 Resp: 1083061
Ion Ratio Lower Upper
99 100
42 21.9 14.3 21.5#
71 34.4 24.5 36.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.457 min Scan# 1253
Delta R.T. -0.029 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

Tgt Ion: 136 Resp: 556850
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.4 6.6 10.0
68 6.0 5.0 7.4

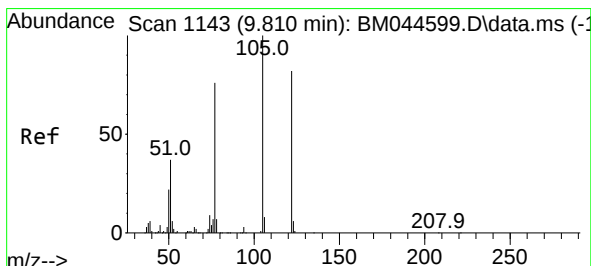
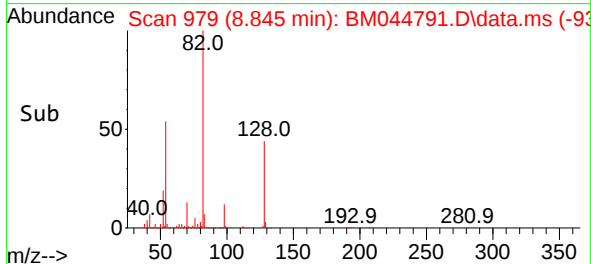
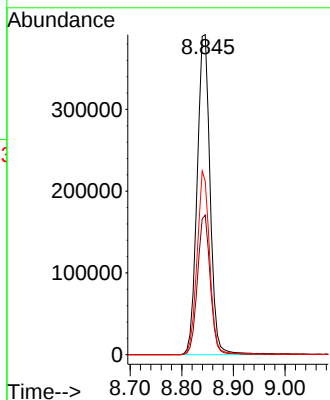
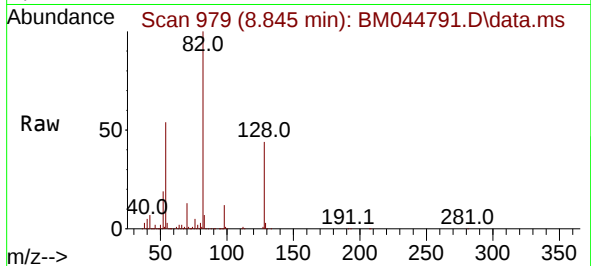




#23
Nitrobenzene-d5
Concen: 59.227 ng
RT: 8.845 min Scan# 91
Delta R.T. -0.017 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

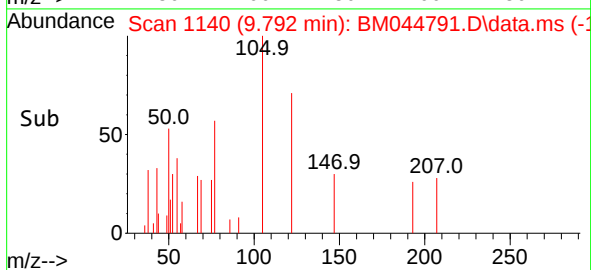
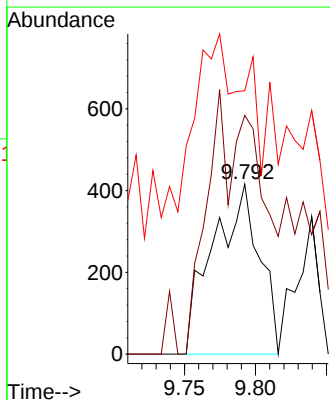
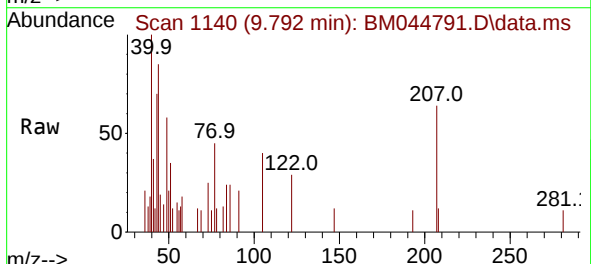
Instrument :
BNA_M
ClientSampleId :
VNJ-209

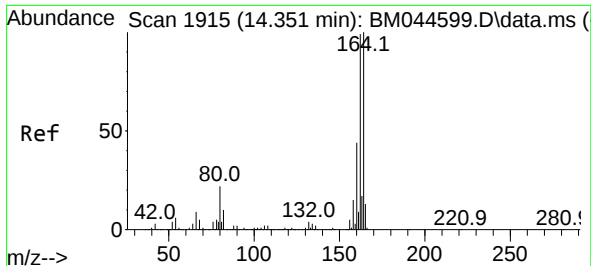
Tgt Ion: 82 Resp: 684588
Ion Ratio Lower Upper
82 100
128 43.6 34.2 51.4
54 54.2 41.3 61.9



#32
Benzoic acid
Concen: 3.746 ng
RT: 9.792 min Scan# 1140
Delta R.T. -0.018 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

Tgt Ion:122 Resp: 947
Ion Ratio Lower Upper
122 100
105 140.4 100.0 140.0#
77 154.8 72.5 112.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.327 min Scan# 1915

Delta R.T. -0.023 min

Lab File: BM044791.D

Acq: 27 Mar 2024 22:22

Instrument :

BNA_M

ClientSampleId :

VNJ-209

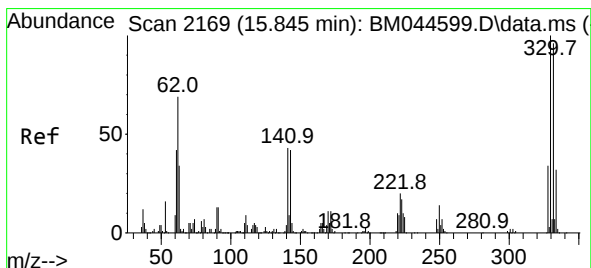
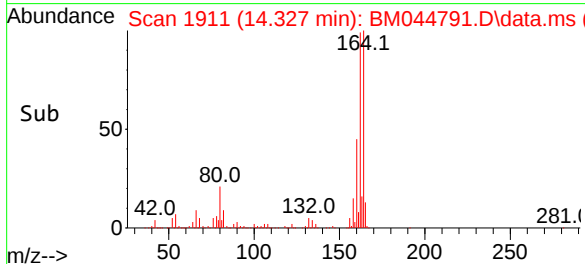
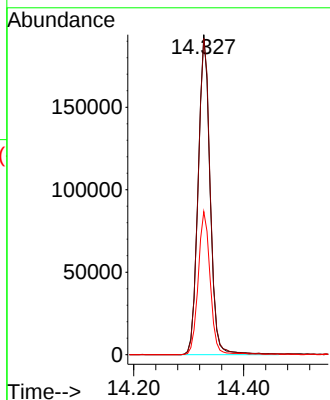
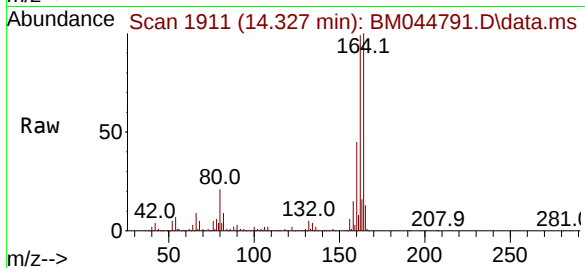
Tgt Ion:164 Resp: 292701

Ion Ratio Lower Upper

164 100

162 98.8 79.3 118.9

160 44.7 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 92.327 ng

RT: 15.827 min Scan# 2166

Delta R.T. -0.017 min

Lab File: BM044791.D

Acq: 27 Mar 2024 22:22

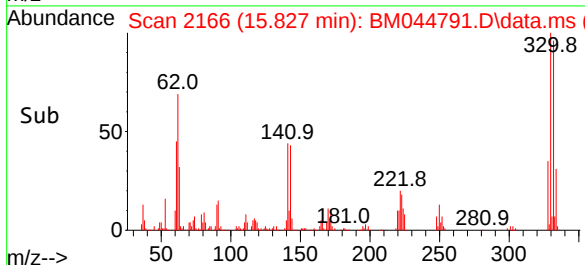
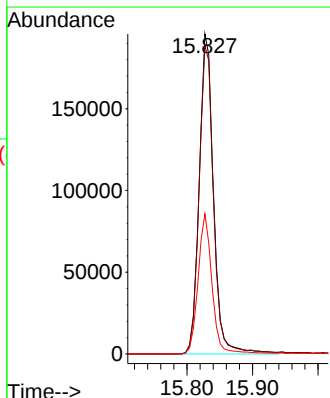
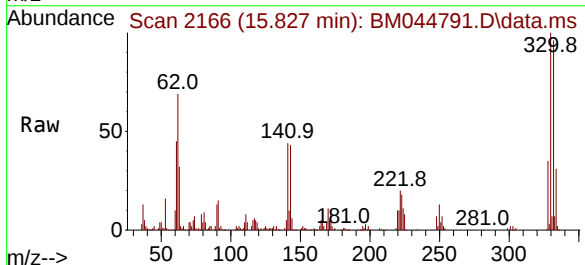
Tgt Ion:330 Resp: 298068

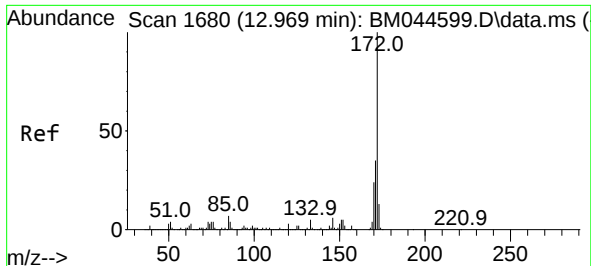
Ion Ratio Lower Upper

330 100

332 98.0 77.8 116.8

141 42.9 33.4 50.0

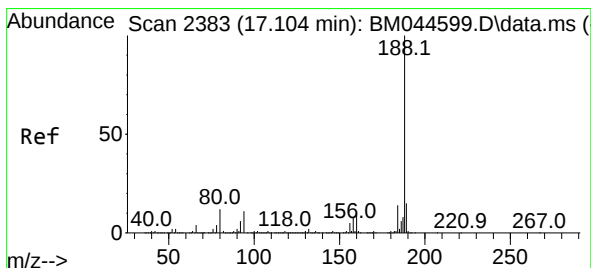
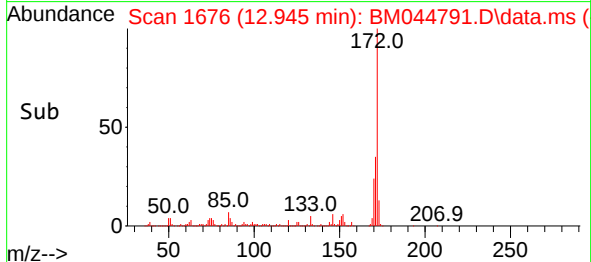
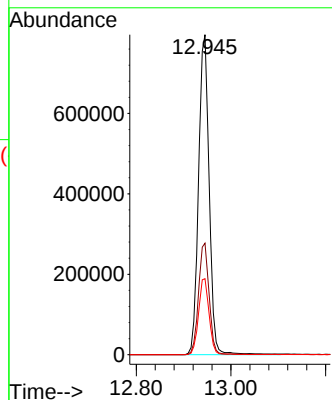
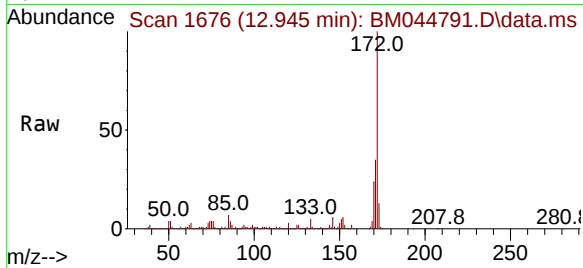




#45
2-Fluorobiphenyl
Concen: 58.202 ng
RT: 12.945 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

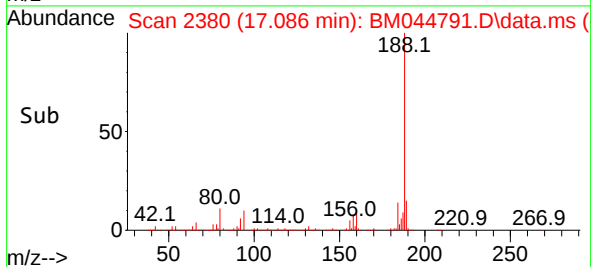
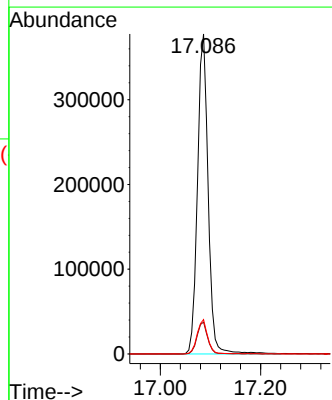
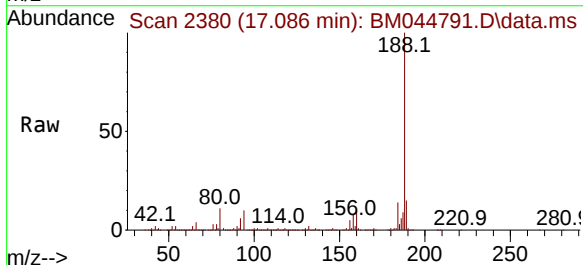
Instrument :
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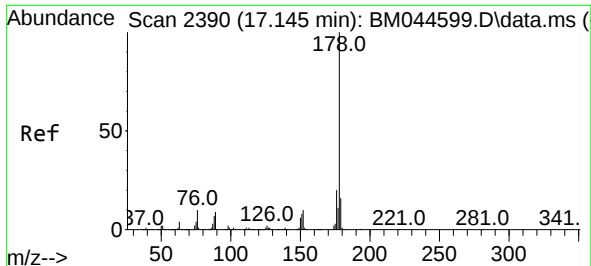
Tgt Ion:172 Resp: 1236964
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.8 19.0 28.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.017 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

Tgt Ion:188 Resp: 554563
Ion Ratio Lower Upper
188 100
94 9.9 8.4 12.6
80 10.7 9.4 14.0

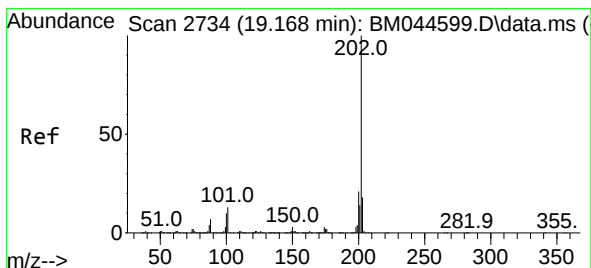
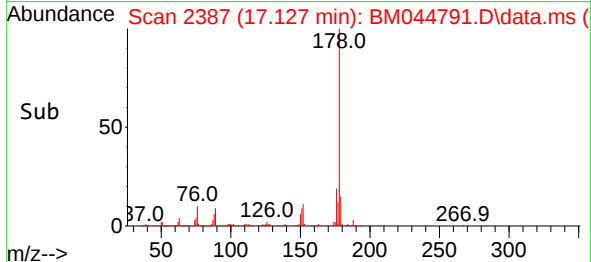
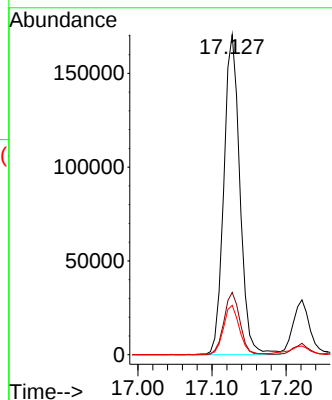
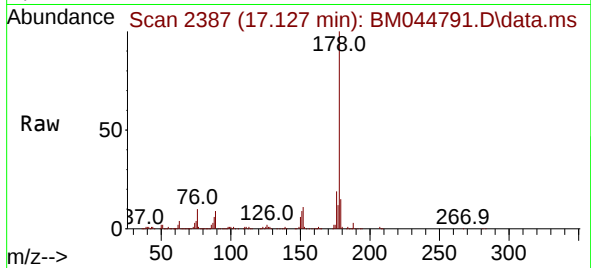




#71
Phenanthrene
Concen: 8.382 ng
RT: 17.127 min Scan# 21
Delta R.T. -0.017 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

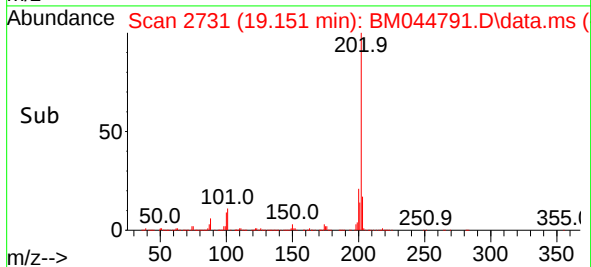
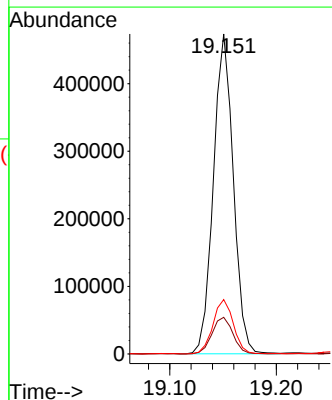
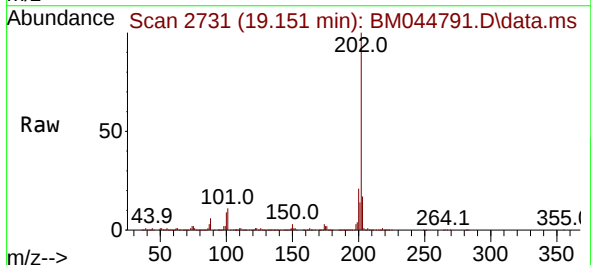
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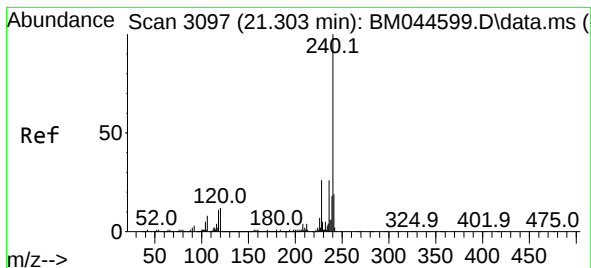
Tgt Ion:178 Resp: 256880
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.4 12.4 18.6



#75
Fluoranthene
Concen: 17.969 ng
RT: 19.151 min Scan# 2731
Delta R.T. -0.017 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

Tgt Ion:202 Resp: 615570
Ion Ratio Lower Upper
202 100
101 11.5 0.0 33.3
203 17.0 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.286 min Scan# 3094

Delta R.T. -0.017 min

Lab File: BM044791.D

Acq: 27 Mar 2024 22:22

Instrument :

BNA_M

ClientSampleId :

VNJ-209

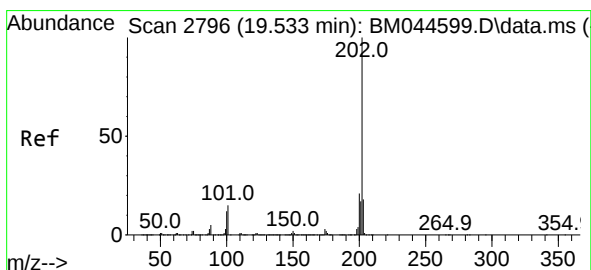
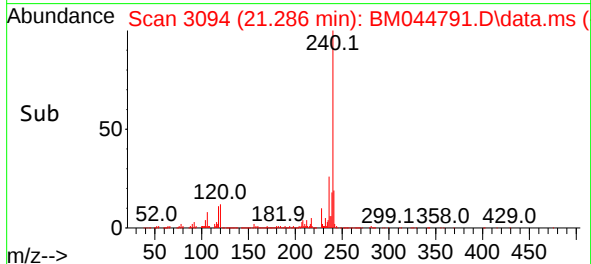
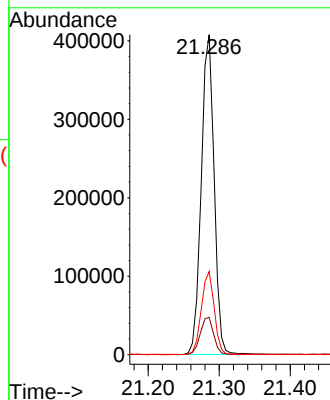
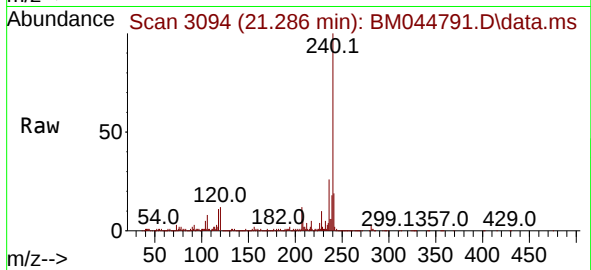
Tgt Ion:240 Resp: 515540

Ion Ratio Lower Upper

240 100

120 11.7 9.7 14.5

236 26.0 21.0 31.4



#78

Pyrene

Concen: 14.021 ng

RT: 19.515 min Scan# 2793

Delta R.T. -0.018 min

Lab File: BM044791.D

Acq: 27 Mar 2024 22:22

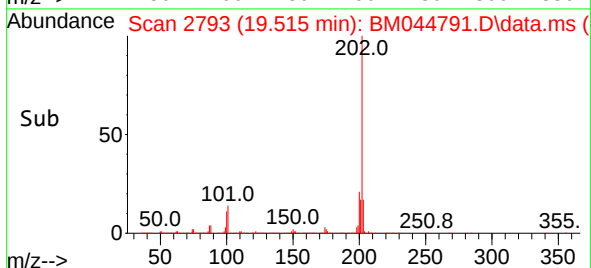
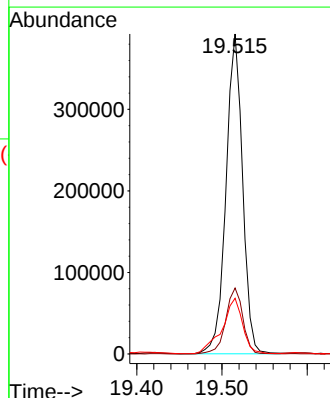
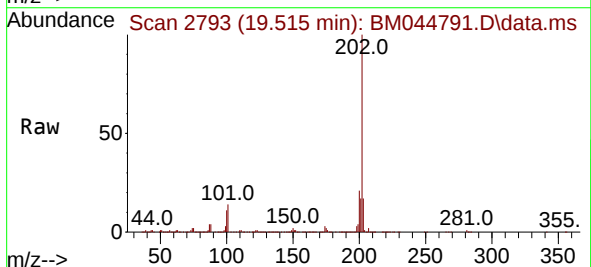
Tgt Ion:202 Resp: 529795

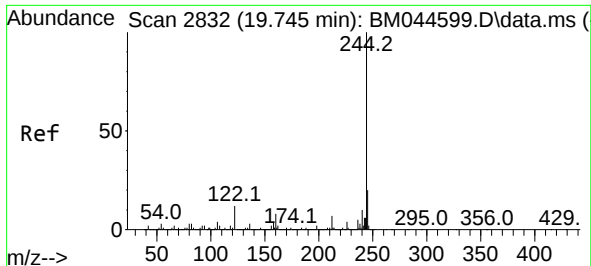
Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

203 17.4 14.1 21.1

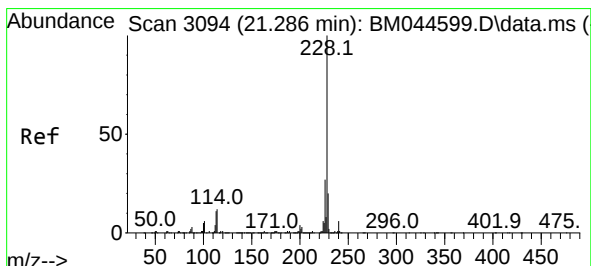
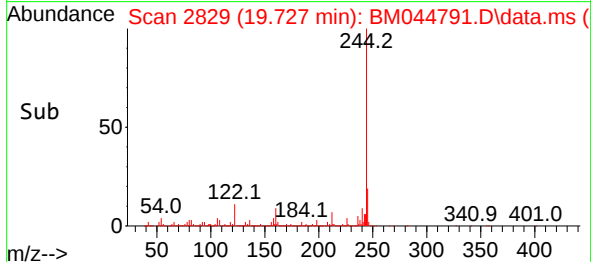
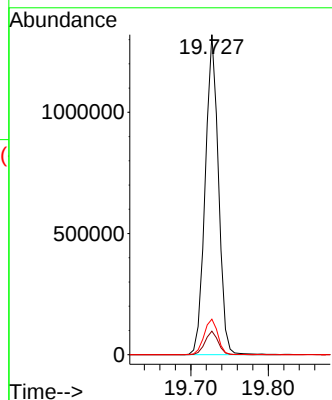
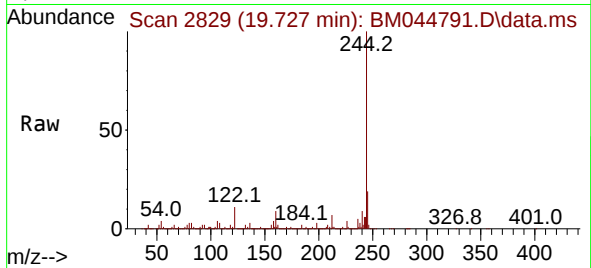




#79
 Terphenyl-d14
 Concen: 53.107 ng
 RT: 19.727 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM044791.D
 Acq: 27 Mar 2024 22:22

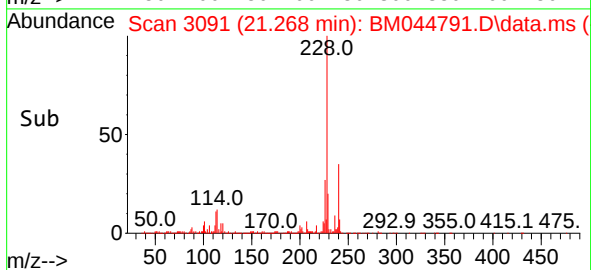
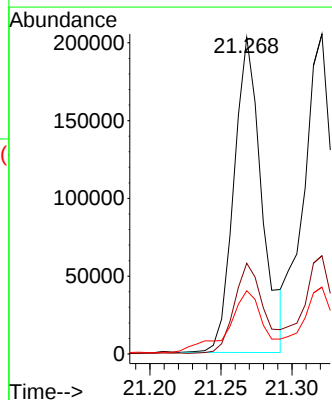
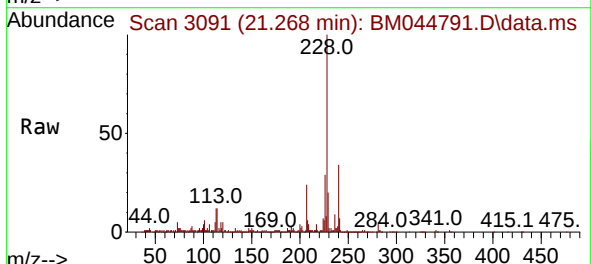
Instrument :
 BNA_M
 ClientSampleId :
 VNJ-209

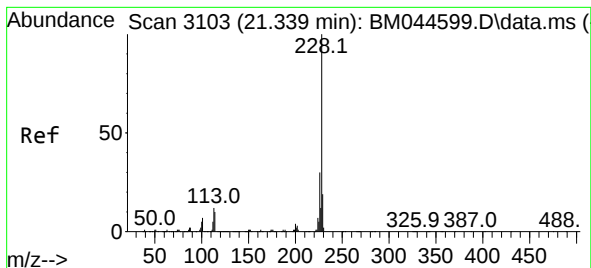
Tgt Ion:244 Resp: 1565086
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.5 8.3
 122 11.1 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 7.700 ng
 RT: 21.268 min Scan# 3091
 Delta R.T. -0.017 min
 Lab File: BM044791.D
 Acq: 27 Mar 2024 22:22

Tgt Ion:228 Resp: 276200
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.9 32.9
 229 20.0 15.9 23.9





#83

Chrysene

Concen: 8.416 ng

RT: 21.321 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM044791.D

Acq: 27 Mar 2024 22:22

Instrument :

BNA_M

ClientSampleId :

VNJ-209

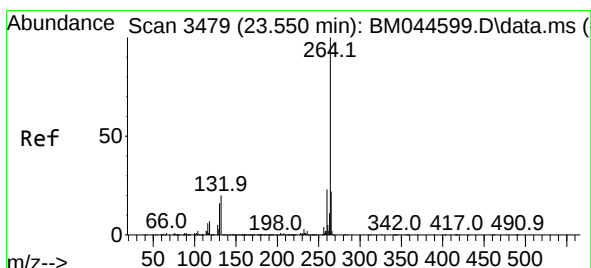
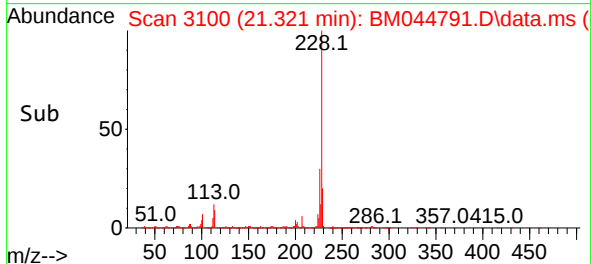
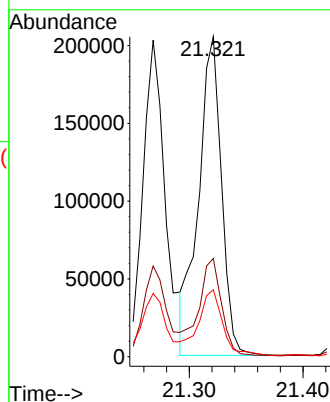
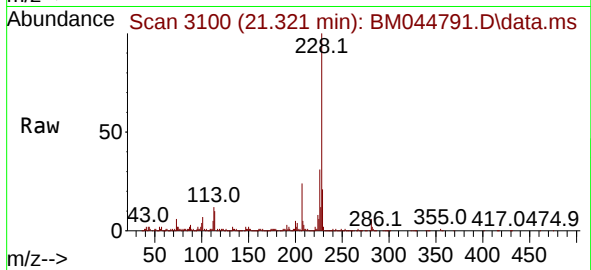
Tgt Ion:228 Resp: 288466

Ion Ratio Lower Upper

228 100

226 30.7 23.6 35.4

229 20.9 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.527 min Scan# 3475

Delta R.T. -0.023 min

Lab File: BM044791.D

Acq: 27 Mar 2024 22:22

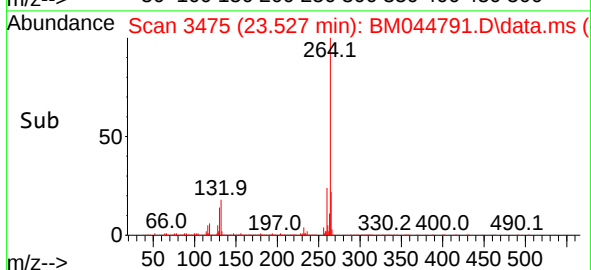
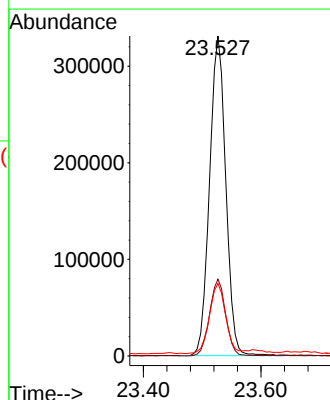
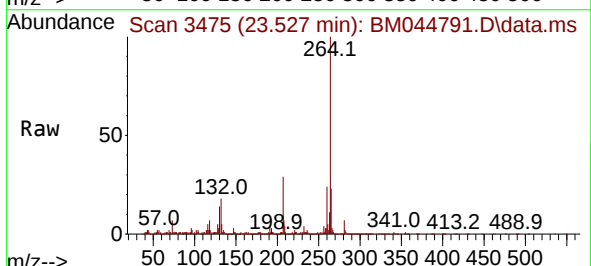
Tgt Ion:264 Resp: 632669

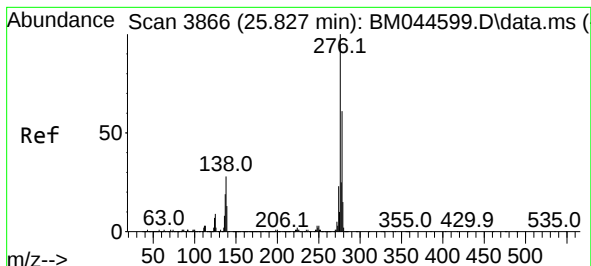
Ion Ratio Lower Upper

264 100

260 24.0 18.3 27.5

265 22.7 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.595 ng

RT: 25.785 min Scan# 3

Delta R.T. -0.041 min

Lab File: BM044791.D

Acq: 27 Mar 2024 22:22

Instrument :

BNA_M

ClientSampleId :

VNJ-209

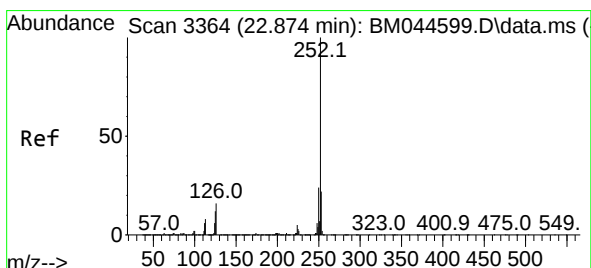
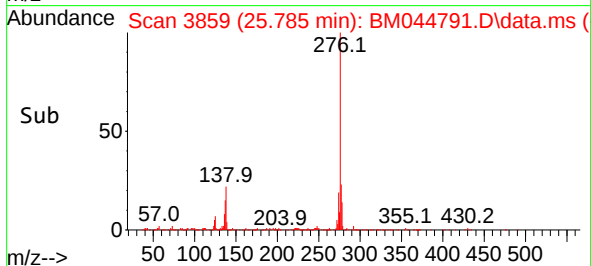
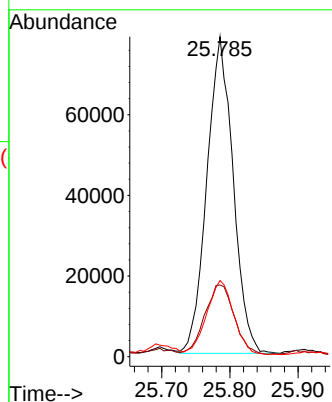
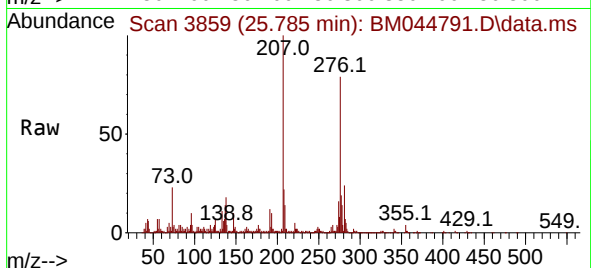
Tgt Ion:276 Resp: 210170

Ion Ratio Lower Upper

276 100

138 24.7 23.6 35.4

277 24.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 11.557 ng

RT: 22.856 min Scan# 3361

Delta R.T. -0.018 min

Lab File: BM044791.D

Acq: 27 Mar 2024 22:22

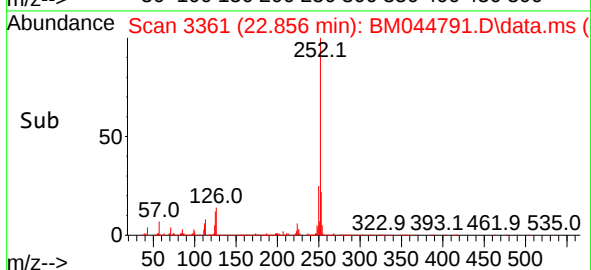
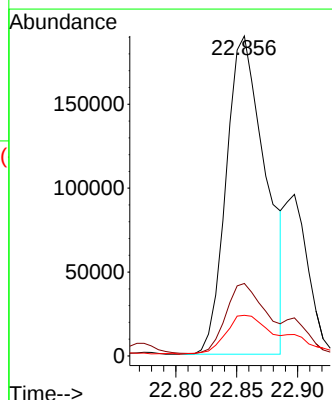
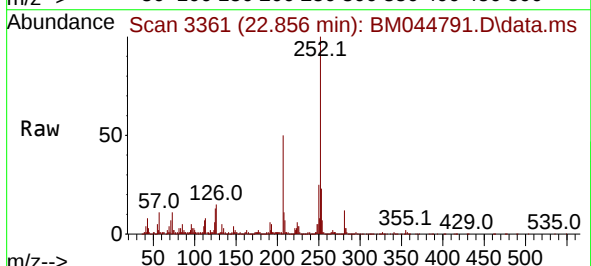
Tgt Ion:252 Resp: 429682

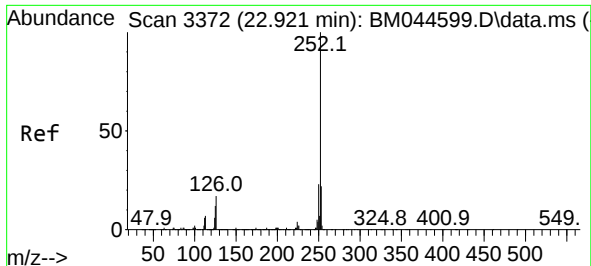
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 12.7 9.6 14.4

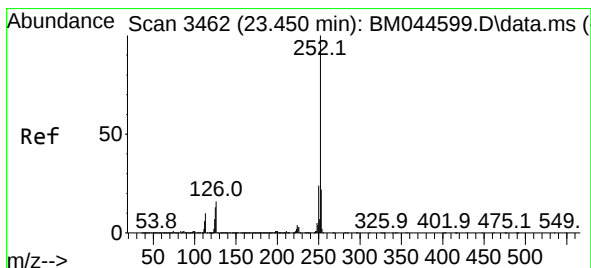
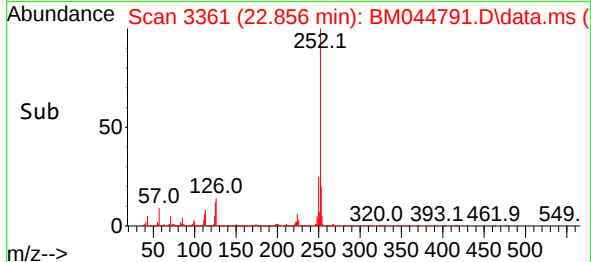
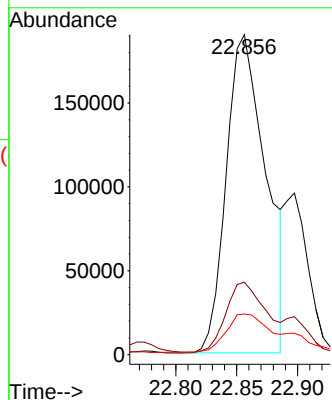
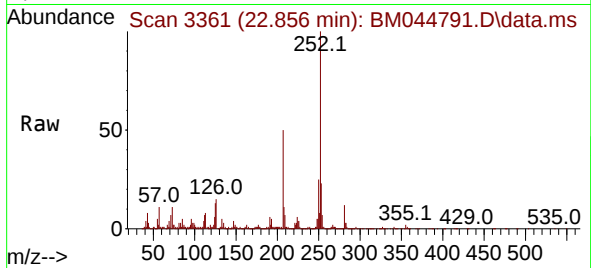




#89
Benzo(k)fluoranthene
Concen: 11.242 ng
RT: 22.856 min Scan# 31
Delta R.T. -0.065 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

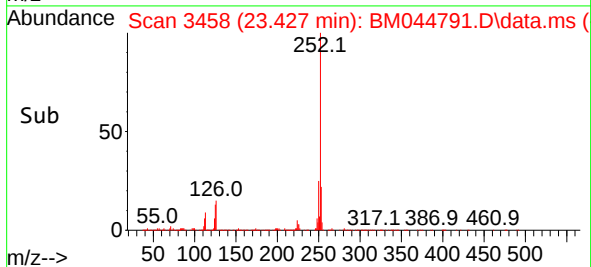
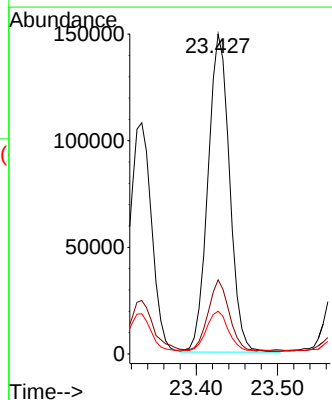
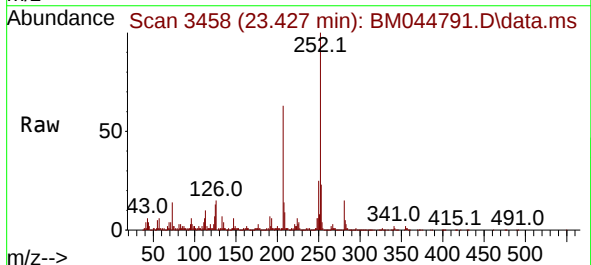
Instrument :
BNA_M
ClientSampleId :
VNJ-209

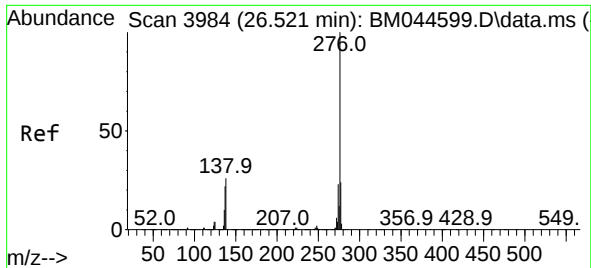
Tgt Ion:252 Resp: 429682
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 12.7 9.4 14.0



#90
Benzo(a)pyrene
Concen: 7.621 ng
RT: 23.427 min Scan# 3458
Delta R.T. -0.023 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

Tgt Ion:252 Resp: 276365
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 13.4 10.5 15.7





#92
Benzo(g,h,i)perylene
Concen: 5.518 ng
RT: 26.480 min Scan# 3984
Delta R.T. -0.041 min
Lab File: BM044791.D
Acq: 27 Mar 2024 22:22

Instrument :
BNA_M
ClientSampleId :
VNJ-209

Tgt Ion:276 Resp: 209457
Ion Ratio Lower Upper
276 100
277 22.8 19.3 28.9
138 25.2 20.7 31.1

