

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
 Data File : BM044770.D
 Acq On : 26 Mar 2024 16:00
 Operator : MA/JU
 Sample : P1865-03 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-205

Quant Time: Mar 26 16:30:30 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)

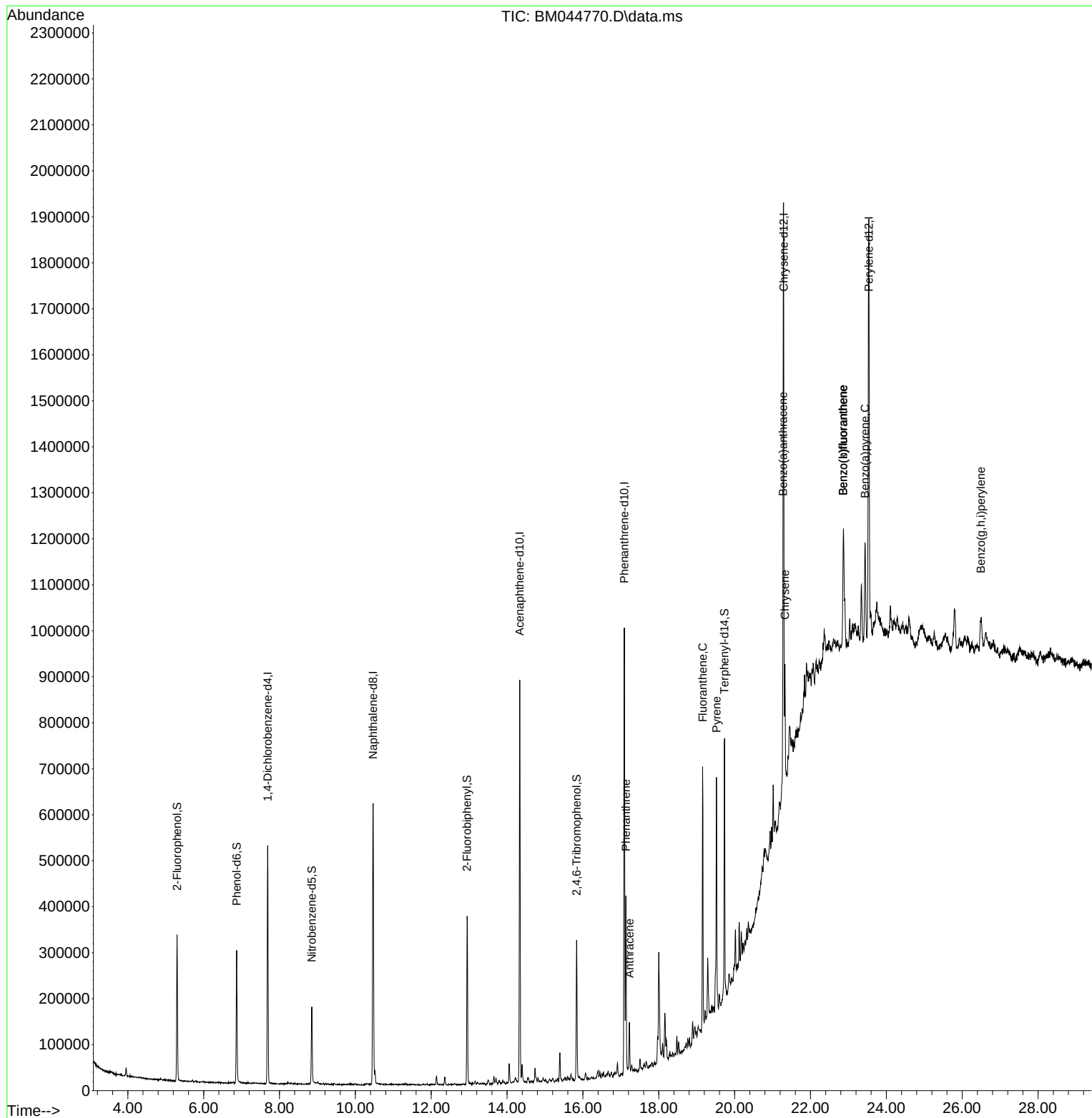
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	134039	20.000	ng	-0.02
21) Naphthalene-d8	10.469	136	519856	20.000	ng	-0.02
39) Acenaphthene-d10	14.333	164	295141	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	586798	20.000	ng	-0.01
76) Chrysene-d12	21.292	240	552042	20.000	ng	-0.01
86) Perylene-d12	23.539	264	651442	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.299	112	133428	14.292	ng	0.00
7) Phenol-d6	6.869	99	165634	13.791	ng	-0.01
23) Nitrobenzene-d5	8.851	82	98935	9.168	ng	-0.01
42) 2,4,6-Tribromophenol	15.833	330	49670	15.258	ng	-0.01
45) 2-Fluorobiphenyl	12.945	172	191479	8.935	ng	-0.02
79) Terphenyl-d14	19.733	244	266817	8.455	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.133	178	217371	6.703	ng	100
72) Anthracene	17.227	178	67011	2.060	ng	99
75) Fluoranthene	19.156	202	319771	8.821	ng	98
78) Pyrene	19.521	202	303485	7.501	ng	99
81) Benzo(a)anthracene	21.274	228	152356	3.966	ng	93
83) Chrysene	21.327	228	139318	3.796	ng	96
88) Benzo(b)fluoranthene	22.862	252	174254	4.552	ng	# 93
89) Benzo(k)fluoranthene	22.862	252	174254	4.428	ng	# 92
90) Benzo(a)pyrene	23.439	252	137293	3.677	ng	# 93
92) Benzo(g,h,i)perylene	26.491	276	87119	2.229	ng	94

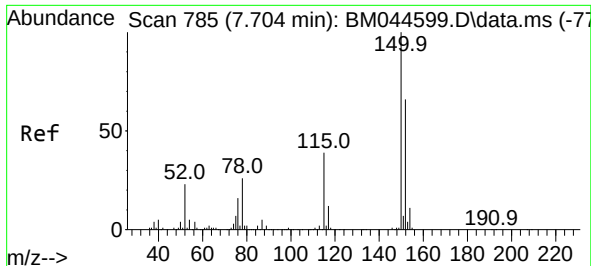
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
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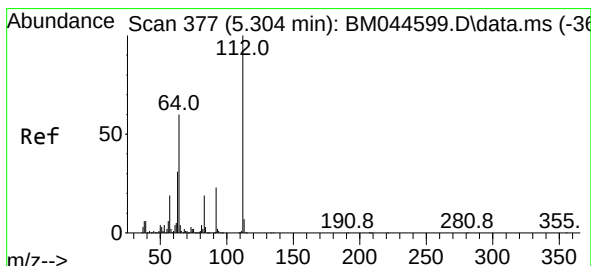
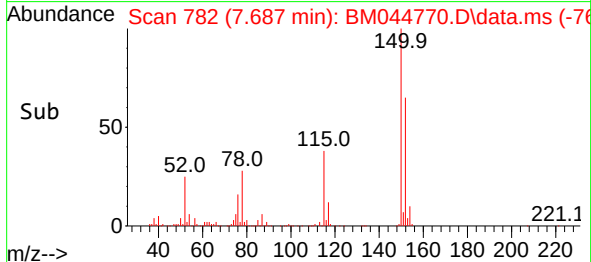
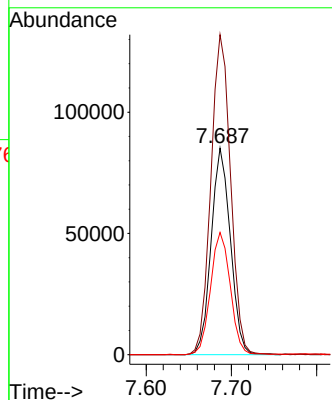
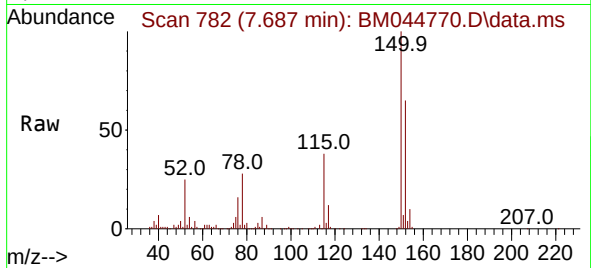




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.687 min Scan# 71
Delta R.T. -0.017 min
Lab File: BM044770.D
Acq: 26 Mar 2024 16:00

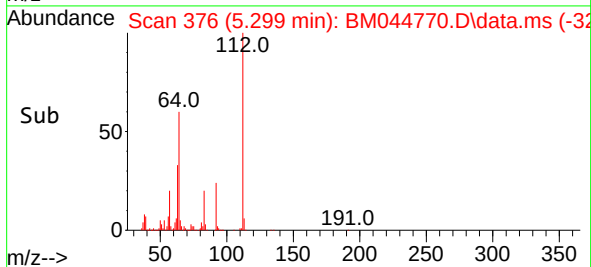
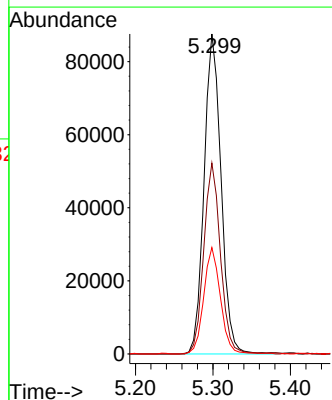
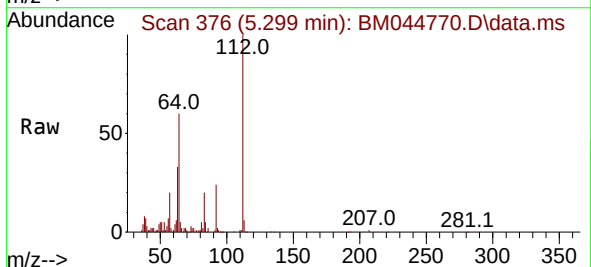
Instrument :
BNA_M
ClientSampleId :
VNJ-205

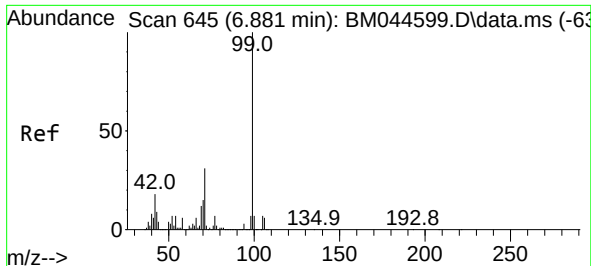
Tgt Ion:152 Resp: 134039
Ion Ratio Lower Upper
152 100
150 154.9 121.9 182.9
115 59.1 47.1 70.7



#5
2-Fluorophenol
Concen: 14.292 ng
RT: 5.299 min Scan# 376
Delta R.T. -0.006 min
Lab File: BM044770.D
Acq: 26 Mar 2024 16:00

Tgt Ion:112 Resp: 133428
Ion Ratio Lower Upper
112 100
64 59.7 47.9 71.9
63 33.3 25.0 37.4

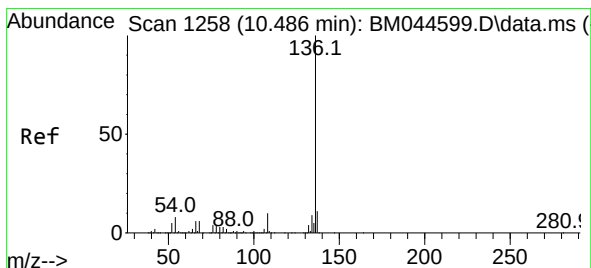
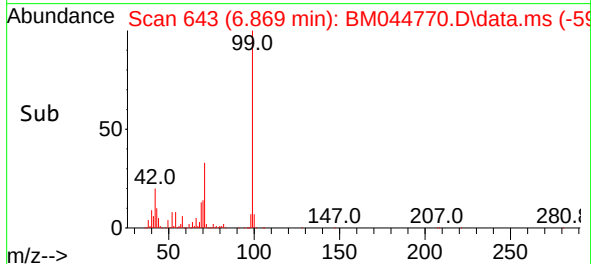
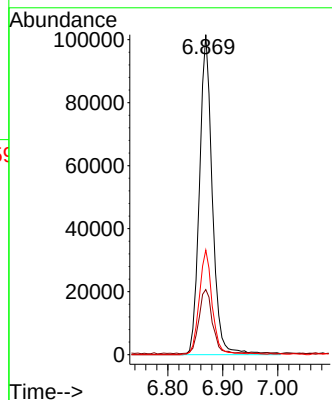
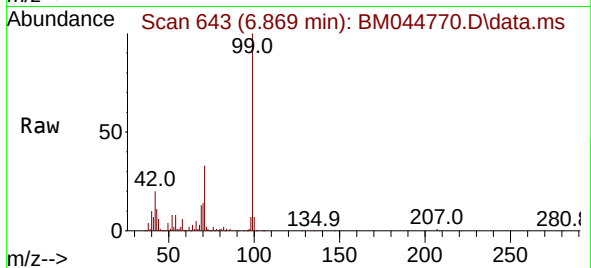




#7
Phenol-d6
Concen: 13.791 ng
RT: 6.869 min Scan# 64
Delta R.T. -0.012 min
Lab File: BM044770.D
Acq: 26 Mar 2024 16:00

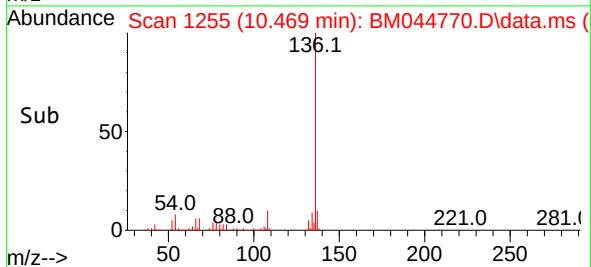
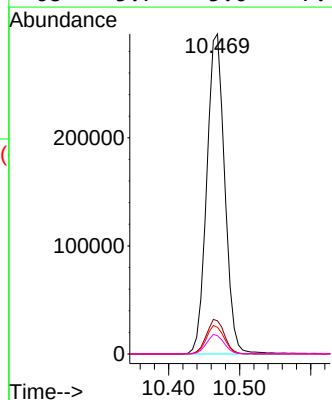
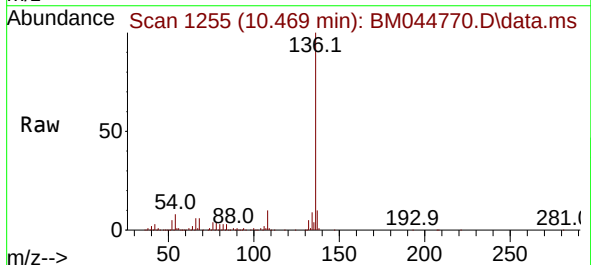
Instrument :
BNA_M
ClientSampleId :
VNJ-205

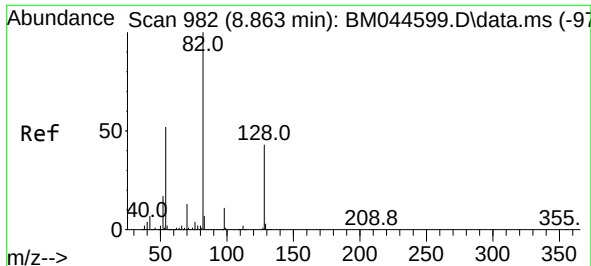
Tgt Ion: 99 Resp: 165634
Ion Ratio Lower Upper
99 100
42 20.4 14.3 21.5
71 32.7 24.5 36.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.469 min Scan# 1255
Delta R.T. -0.018 min
Lab File: BM044770.D
Acq: 26 Mar 2024 16:00

Tgt Ion: 136 Resp: 519856
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 8.3 6.6 10.0
68 5.7 5.0 7.4

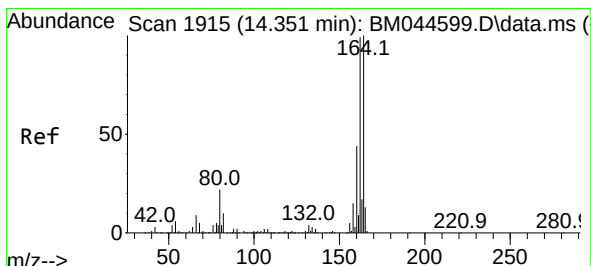
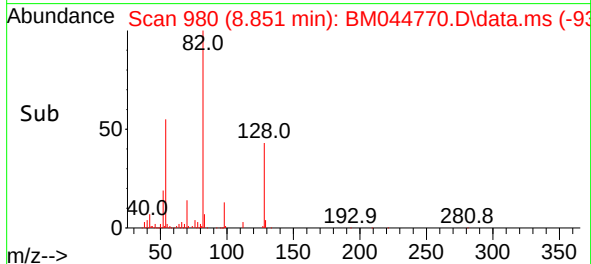
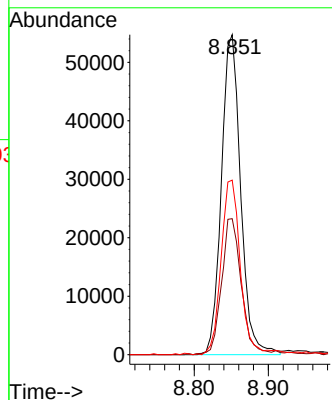
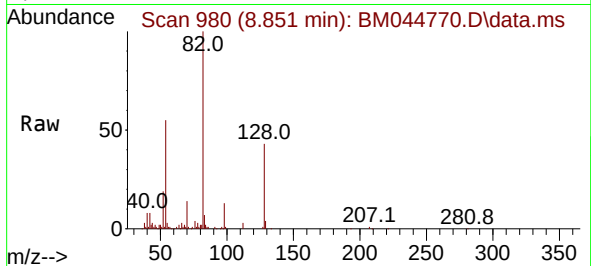




#23
Nitrobenzene-d5
Concen: 9.168 ng
RT: 8.851 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM044770.D
Acq: 26 Mar 2024 16:00

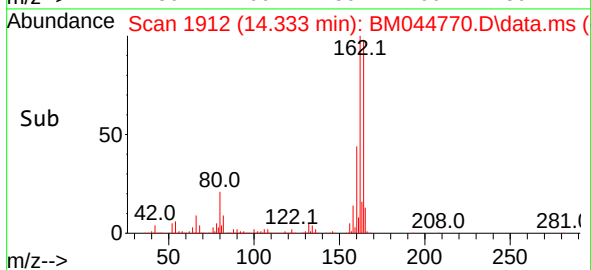
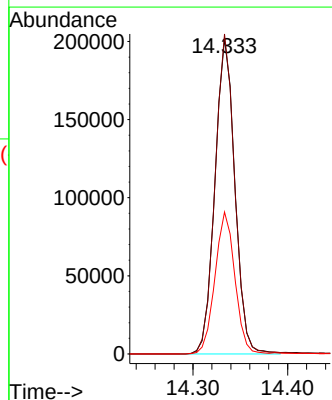
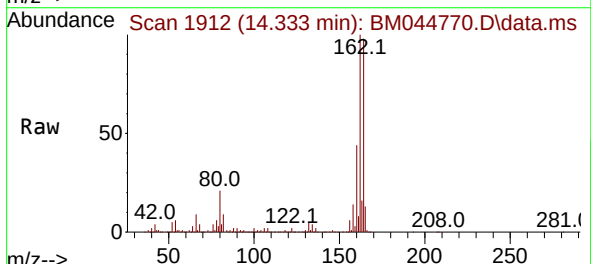
Instrument :
BNA_M
ClientSampleId :
VNJ-205

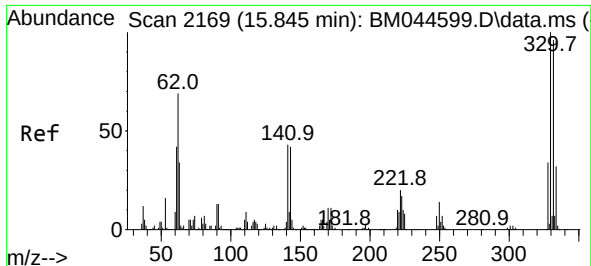
Tgt Ion: 82 Resp: 98935
Ion Ratio Lower Upper
82 100
128 42.5 34.2 51.4
54 54.5 41.3 61.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.333 min Scan# 1912
Delta R.T. -0.018 min
Lab File: BM044770.D
Acq: 26 Mar 2024 16:00

Tgt Ion: 164 Resp: 295141
Ion Ratio Lower Upper
164 100
162 101.6 79.3 118.9
160 45.1 35.2 52.8

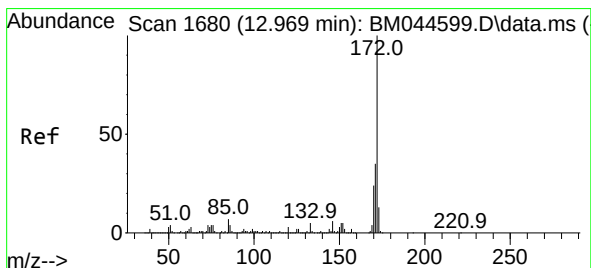
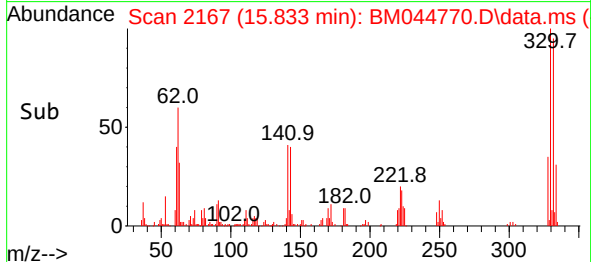
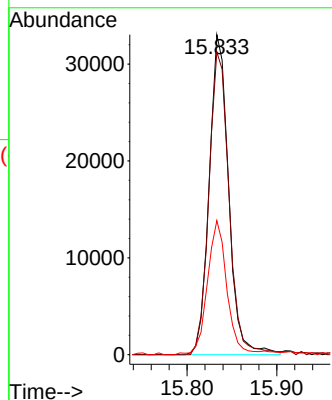
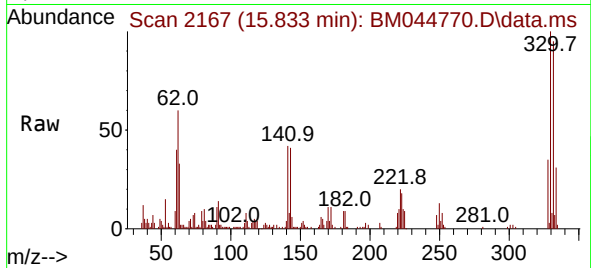




#42
2,4,6-Tribromophenol
Concen: 15.258 ng
RT: 15.833 min Scan# 2167
Delta R.T. -0.012 min
Lab File: BM044770.D
Acq: 26 Mar 2024 16:00

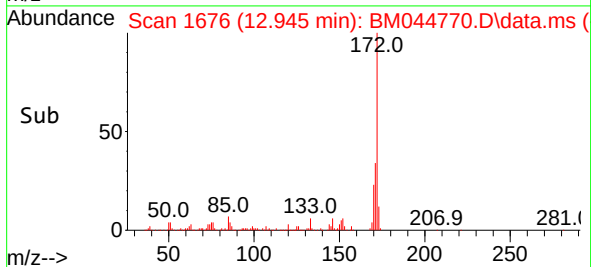
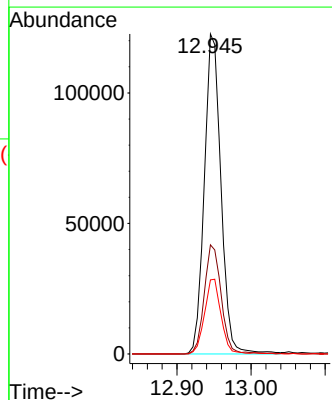
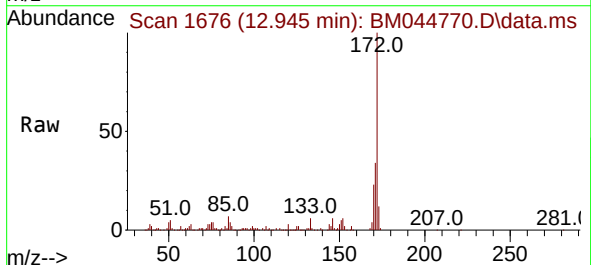
Instrument :
BNA_M
ClientSampleId :
VNJ-205

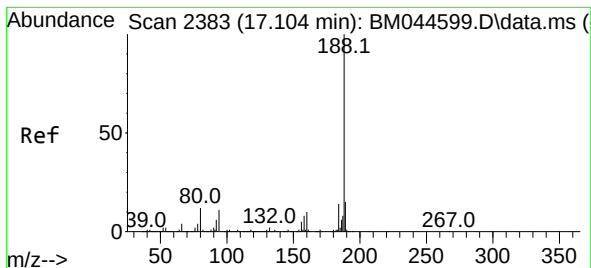
Tgt Ion:330 Resp: 49670
Ion Ratio Lower Upper
330 100
332 98.3 77.8 116.8
141 41.9 33.4 50.0



#45
2-Fluorobiphenyl
Concen: 8.935 ng
RT: 12.945 min Scan# 1676
Delta R.T. -0.023 min
Lab File: BM044770.D
Acq: 26 Mar 2024 16:00

Tgt Ion:172 Resp: 191479
Ion Ratio Lower Upper
172 100
171 34.1 28.2 42.2
170 23.1 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM044770.D

Acq: 26 Mar 2024 16:00

Instrument :

BNA_M

ClientSampleId :

VNJ-205

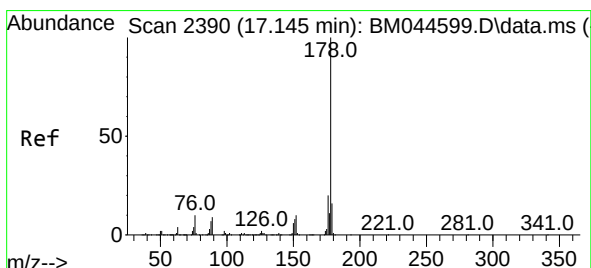
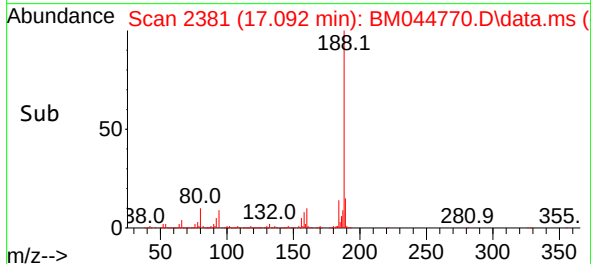
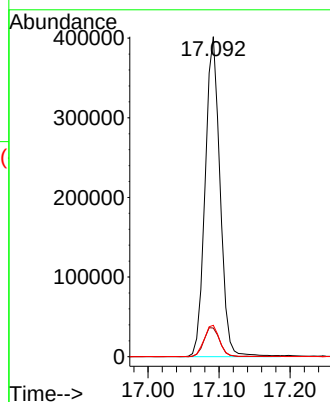
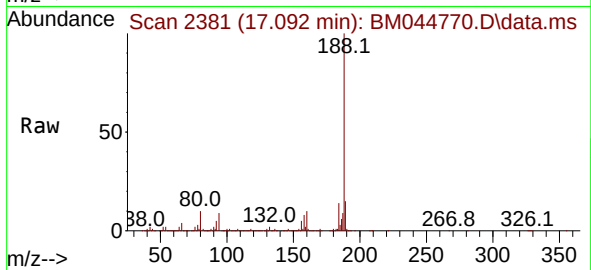
Tgt Ion:188 Resp: 586798

Ion Ratio Lower Upper

188 100

94 8.9 8.4 12.6

80 9.8 9.4 14.0



#71

Phenanthrene

Concen: 6.703 ng

RT: 17.133 min Scan# 2388

Delta R.T. -0.012 min

Lab File: BM044770.D

Acq: 26 Mar 2024 16:00

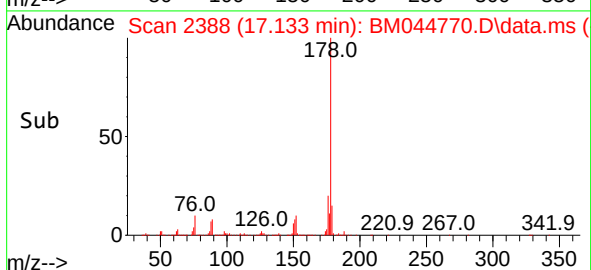
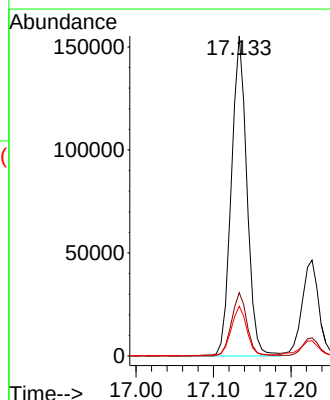
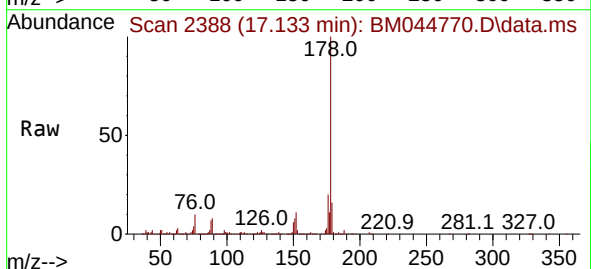
Tgt Ion:178 Resp: 217371

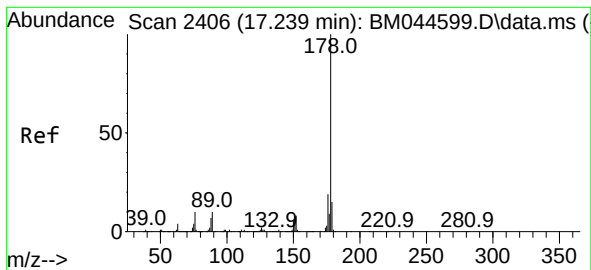
Ion Ratio Lower Upper

178 100

176 19.8 15.7 23.5

179 15.6 12.4 18.6





#72

Anthracene

Concen: 2.060 ng

RT: 17.227 min Scan# 2404

Delta R.T. -0.012 min

Lab File: BM044770.D

Acq: 26 Mar 2024 16:00

Instrument :

BNA_M

ClientSampleId :

VNJ-205

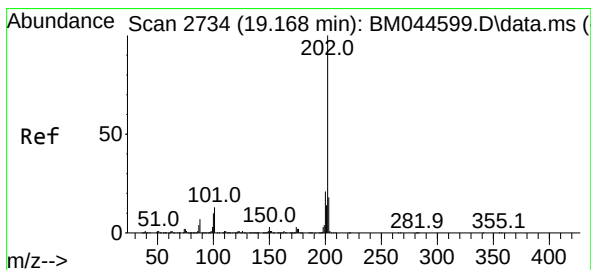
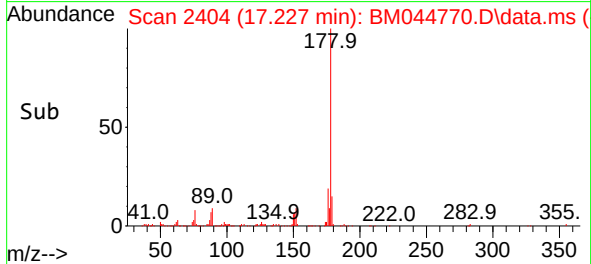
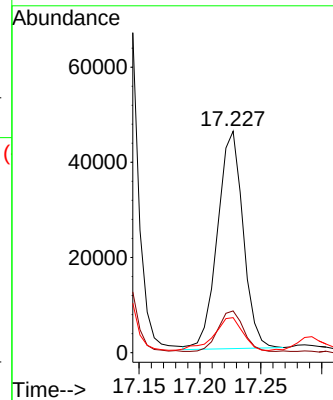
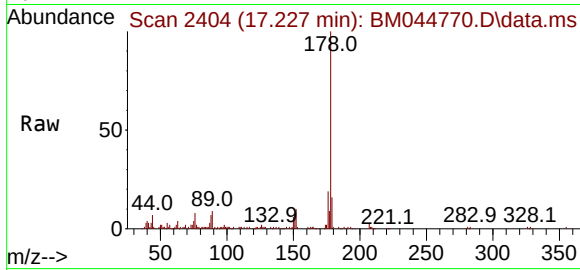
Tgt Ion:178 Resp: 67011

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.8 12.2 18.4



#75

Fluoranthene

Concen: 8.821 ng

RT: 19.156 min Scan# 2732

Delta R.T. -0.012 min

Lab File: BM044770.D

Acq: 26 Mar 2024 16:00

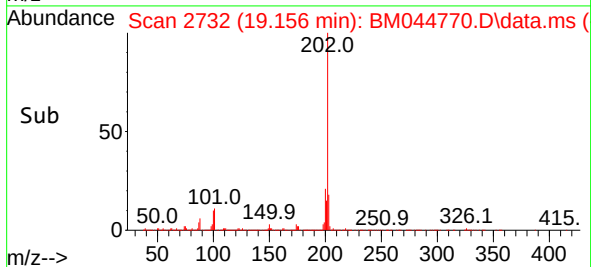
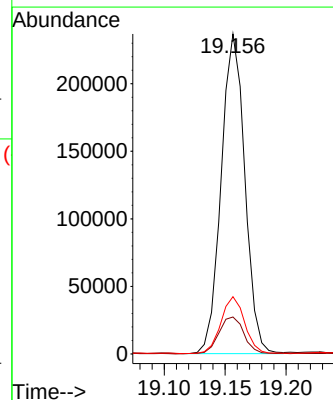
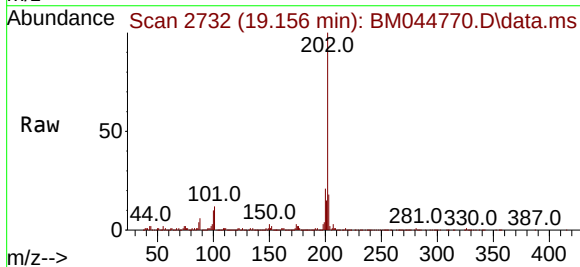
Tgt Ion:202 Resp: 319771

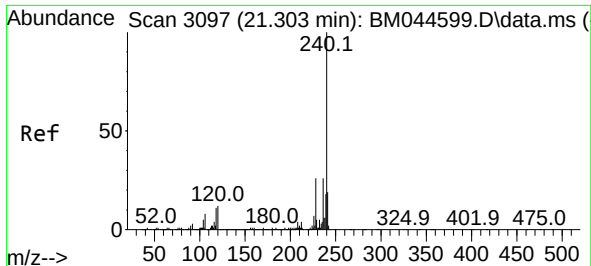
Ion Ratio Lower Upper

202 100

101 11.6 0.0 33.3

203 17.9 0.0 37.7

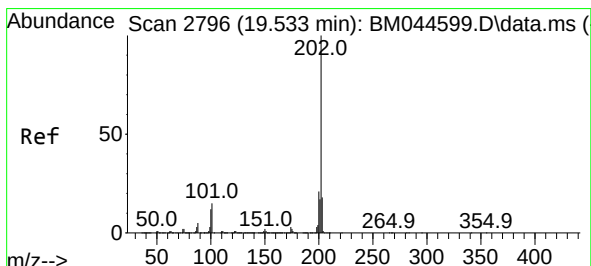
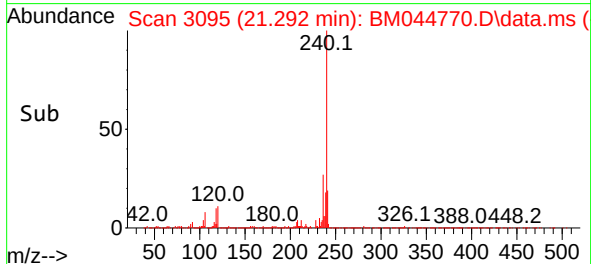
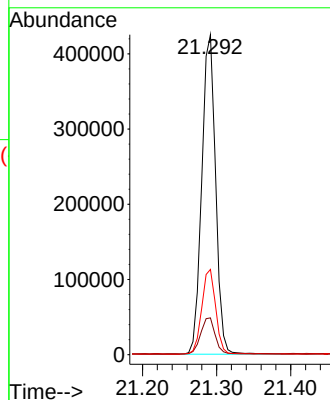
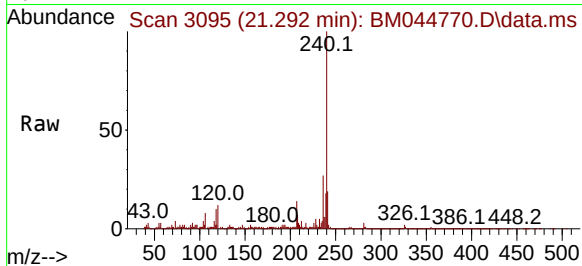




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 30
Delta R.T. -0.012 min
Lab File: BM044770.D
Acq: 26 Mar 2024 16:00

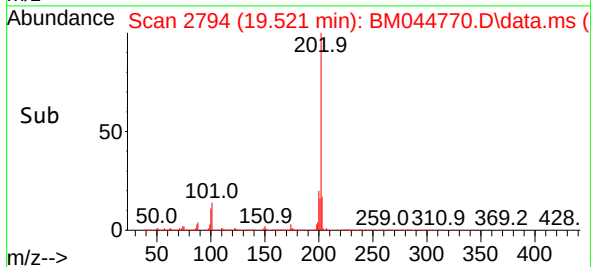
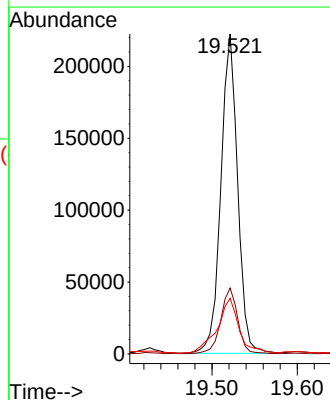
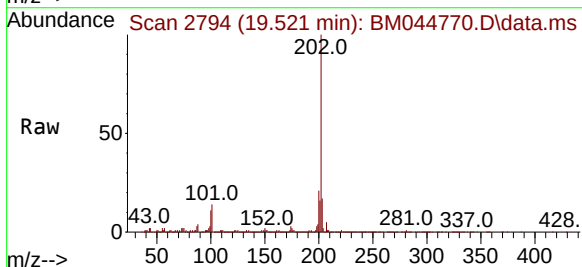
Instrument :
BNA_M
ClientSampleId :
VNJ-205

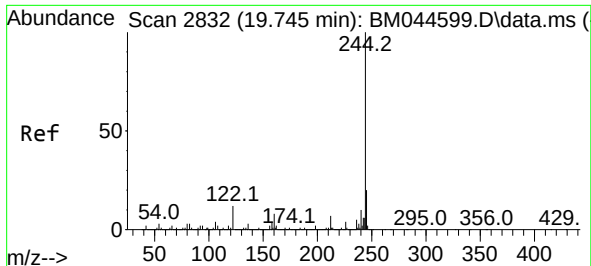
Tgt Ion:240 Resp: 552042
Ion Ratio Lower Upper
240 100
120 11.5 9.7 14.5
236 26.7 21.0 31.4



#78
Pyrene
Concen: 7.501 ng
RT: 19.521 min Scan# 2794
Delta R.T. -0.012 min
Lab File: BM044770.D
Acq: 26 Mar 2024 16:00

Tgt Ion:202 Resp: 303485
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 17.4 14.1 21.1

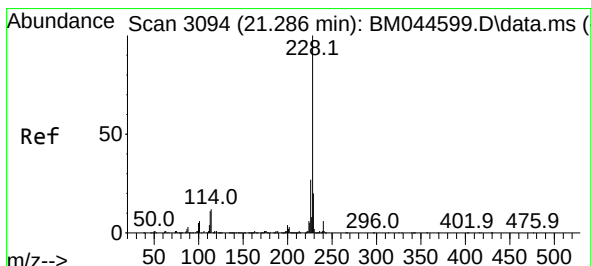
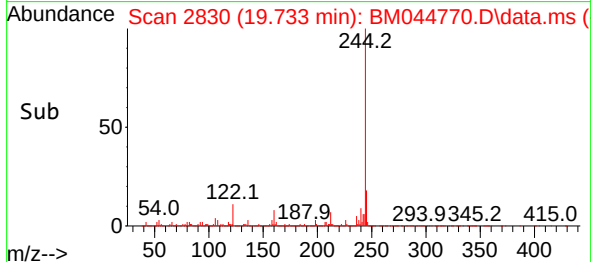
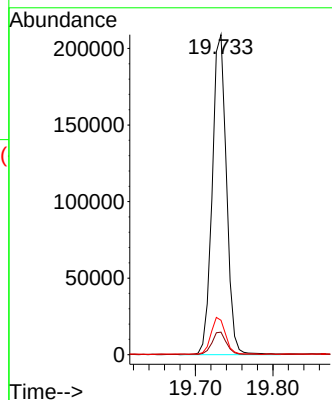
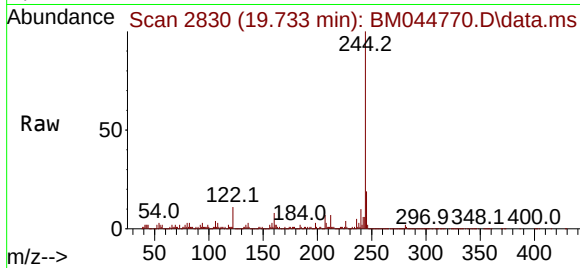




#79
 Terphenyl-d14
 Concen: 8.455 ng
 RT: 19.733 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM044770.D
 Acq: 26 Mar 2024 16:00

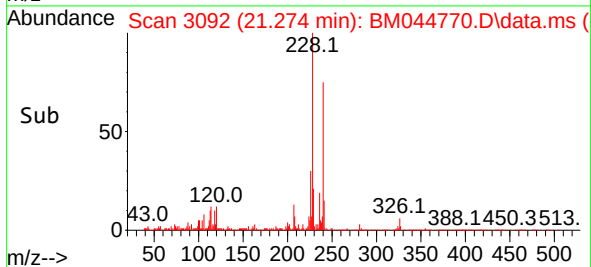
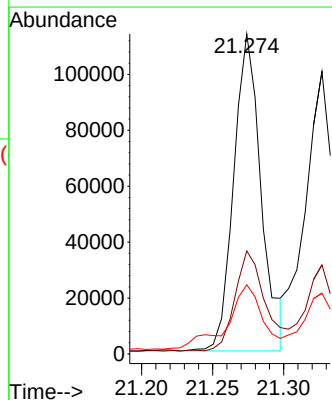
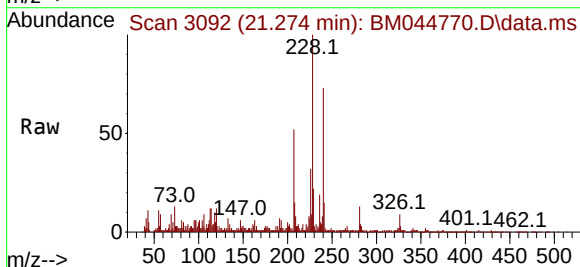
Instrument :
 BNA_M
 ClientSampleId :
 VNJ-205

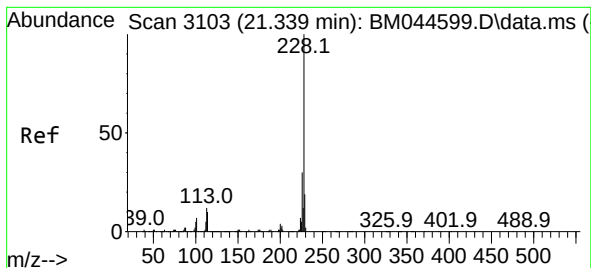
Tgt Ion:244 Resp: 266817
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 10.8 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 3.966 ng
 RT: 21.274 min Scan# 3092
 Delta R.T. -0.012 min
 Lab File: BM044770.D
 Acq: 26 Mar 2024 16:00

Tgt Ion:228 Resp: 152356
 Ion Ratio Lower Upper
 228 100
 226 32.2 21.9 32.9
 229 21.6 15.9 23.9





#83

Chrysene

Concen: 3.796 ng

RT: 21.327 min Scan# 3101

Delta R.T. -0.012 min

Lab File: BM044770.D

Acq: 26 Mar 2024 16:00

Instrument :

BNA_M

ClientSampleId :

VNJ-205

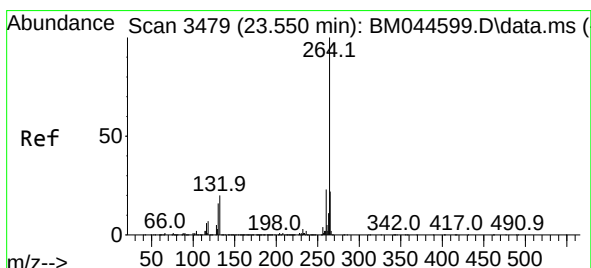
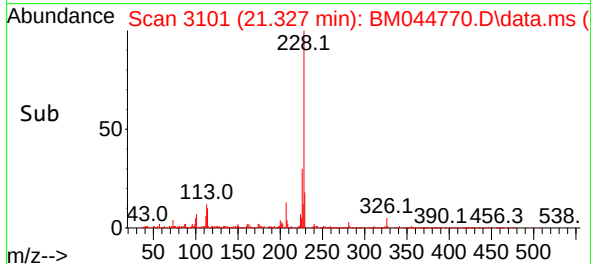
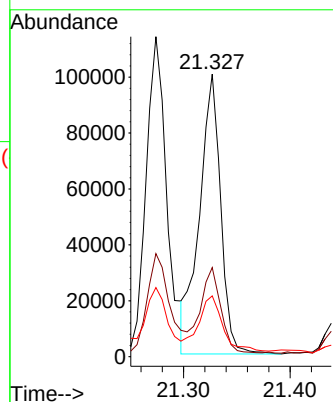
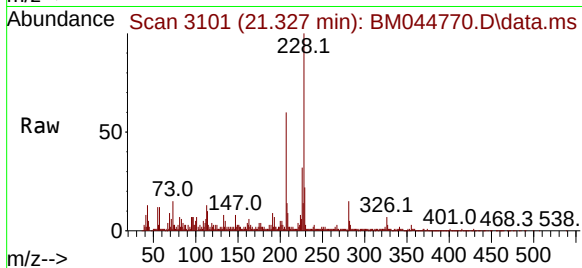
Tgt Ion:228 Resp: 139318

Ion Ratio Lower Upper

228 100

226 31.5 23.6 35.4

229 21.5 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.539 min Scan# 3477

Delta R.T. -0.012 min

Lab File: BM044770.D

Acq: 26 Mar 2024 16:00

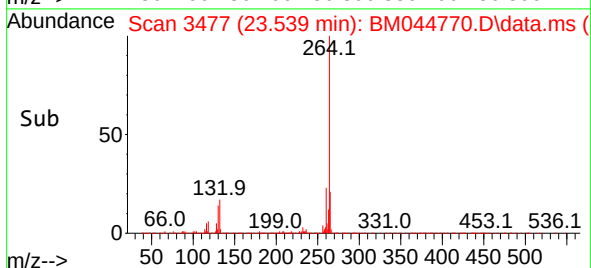
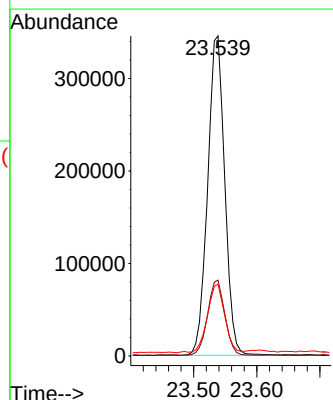
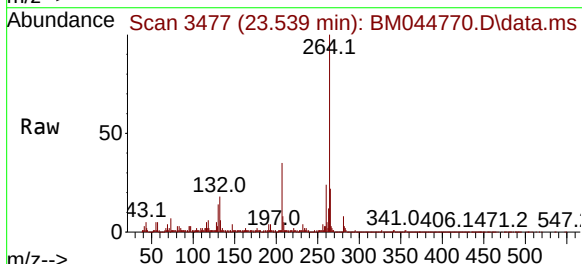
Tgt Ion:264 Resp: 651442

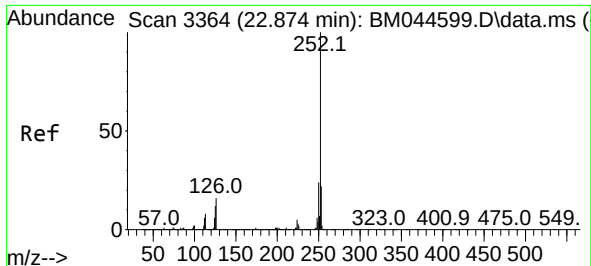
Ion Ratio Lower Upper

264 100

260 23.7 18.3 27.5

265 22.4 17.5 26.3

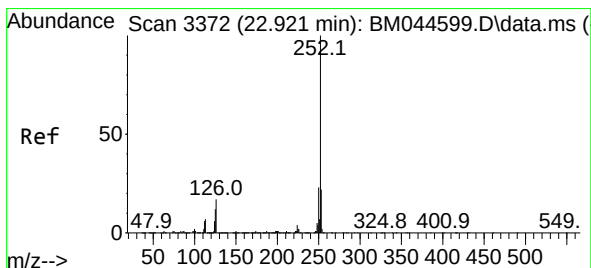
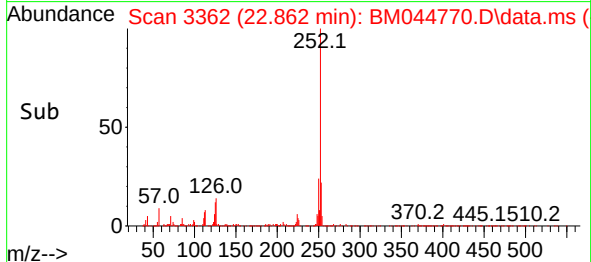
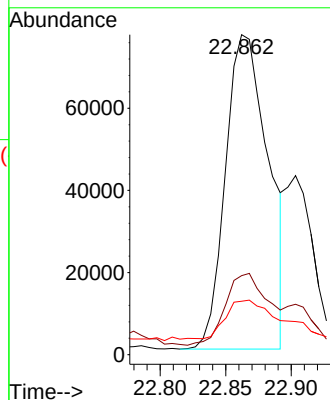
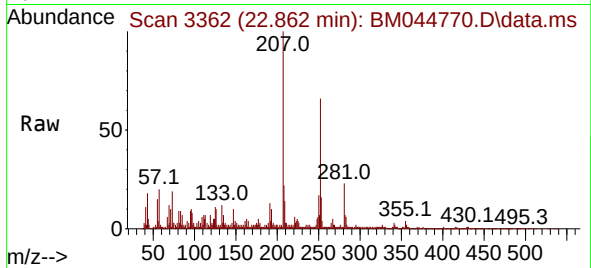




#88
Benzo(b)fluoranthene
Concen: 4.552 ng
RT: 22.862 min Scan# 3362
Delta R.T. -0.012 min
Lab File: BM044770.D
Acq: 26 Mar 2024 16:00

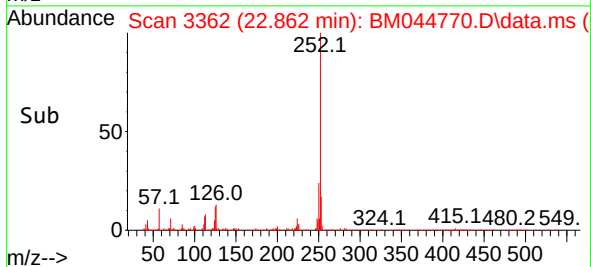
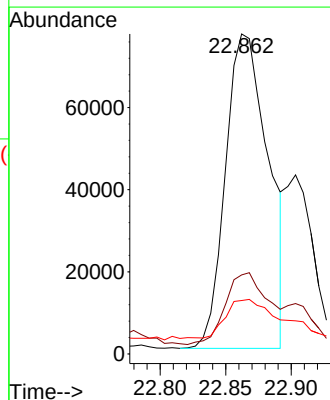
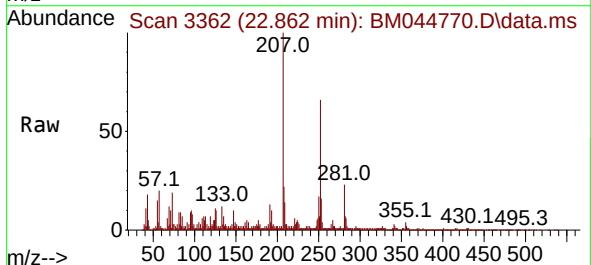
Instrument :
BNA_M
ClientSampleId :
VNJ-205

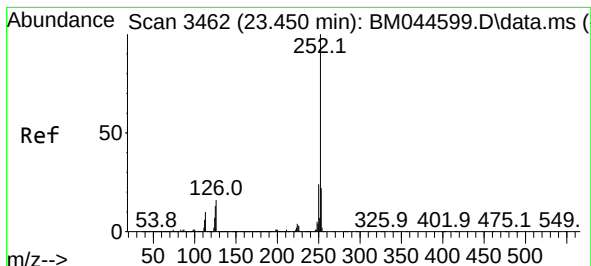
Tgt Ion:252 Resp: 174254
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.8
125 16.7 9.6 14.4#



#89
Benzo(k)fluoranthene
Concen: 4.428 ng
RT: 22.862 min Scan# 3362
Delta R.T. -0.059 min
Lab File: BM044770.D
Acq: 26 Mar 2024 16:00

Tgt Ion:252 Resp: 174254
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 16.7 9.4 14.0#





#90

Benzo(a)pyrene

Concen: 3.677 ng

RT: 23.439 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM044770.D

Acq: 26 Mar 2024 16:00

Instrument :

BNA_M

ClientSampleId :

VNJ-205

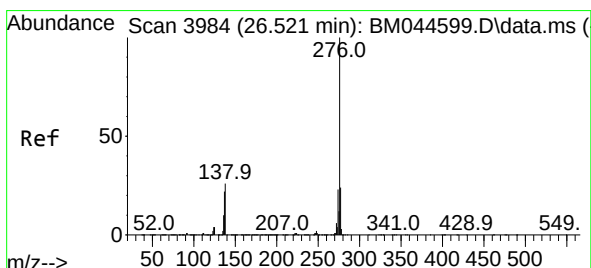
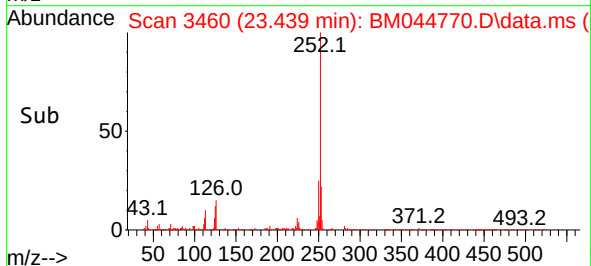
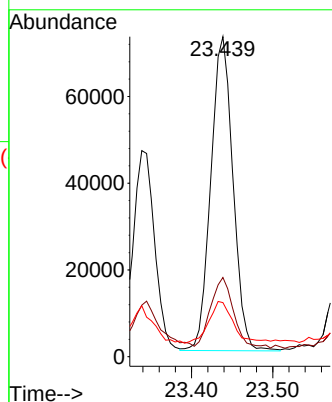
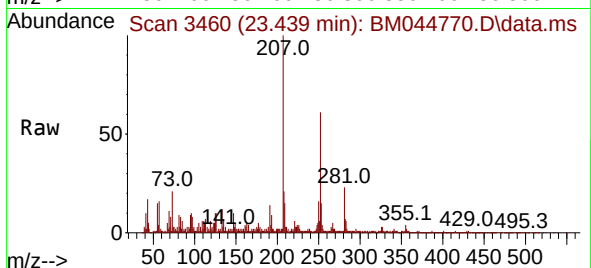
Tgt Ion:252 Resp: 137293

Ion Ratio Lower Upper

252 100

253 24.8 17.7 26.5

125 16.9 10.5 15.7#



#92

Benzo(g,h,i)perylene

Concen: 2.229 ng

RT: 26.491 min Scan# 3979

Delta R.T. -0.029 min

Lab File: BM044770.D

Acq: 26 Mar 2024 16:00

Tgt Ion:276 Resp: 87119

Ion Ratio Lower Upper

276 100

277 27.4 19.3 28.9

138 29.1 20.7 31.1

