

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032724\
 Data File : BM044792.D
 Acq On : 27 Mar 2024 22:58
 Operator : MA/JU
 Sample : P1874-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 72-11933

Quant Time: Mar 28 01:03:00 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)

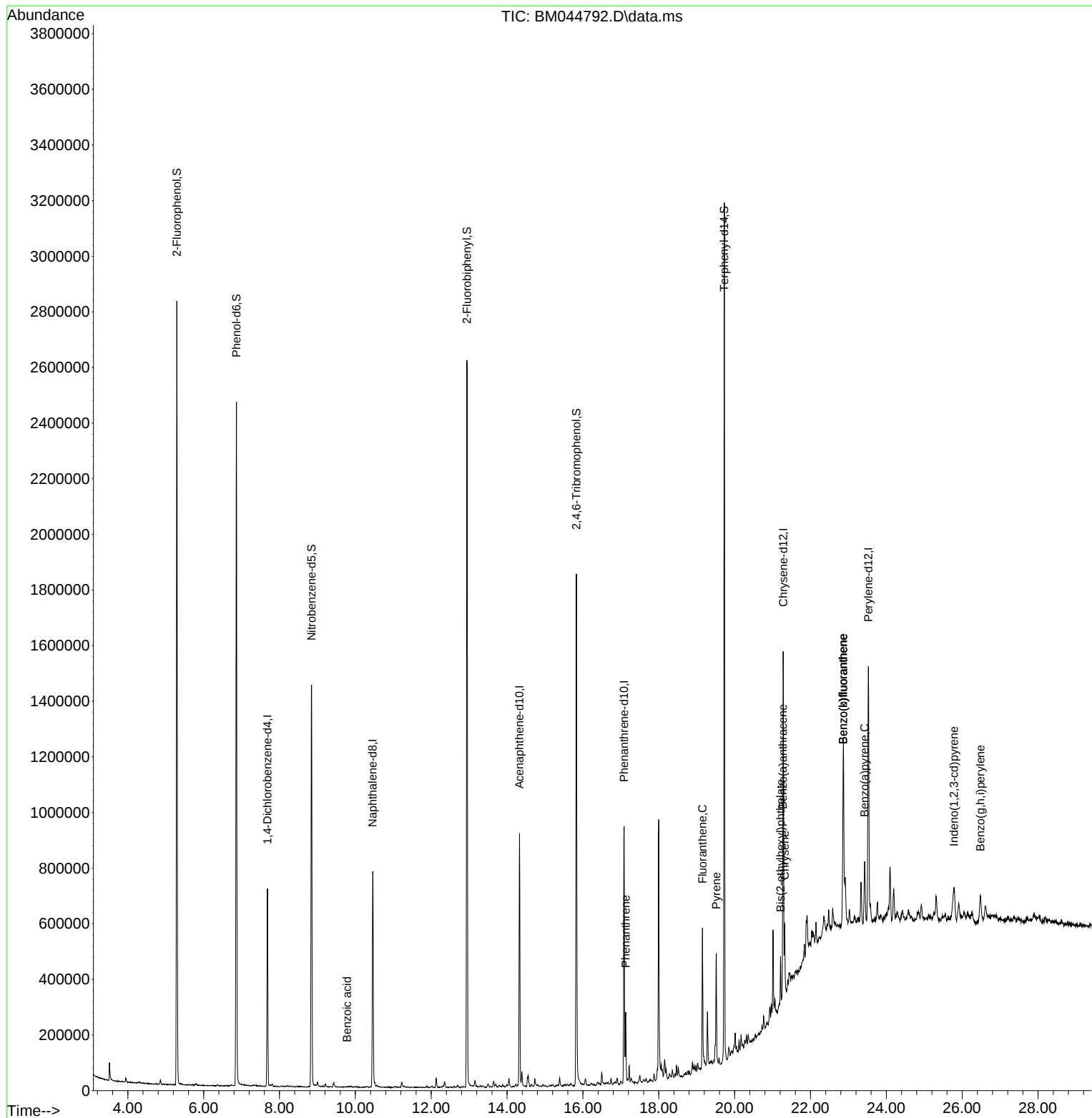
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	178955	20.000	ng	-0.02
21) Naphthalene-d8	10.457	136	642973	20.000	ng	-0.03
39) Acenaphthene-d10	14.328	164	314304	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	555410	20.000	ng	-0.02
76) Chrysene-d12	21.280	240	513381	20.000	ng	-0.02
86) Perylene-d12	23.527	264	639301	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	1089182	87.387	ng	-0.01
7) Phenol-d6	6.863	99	1293304	80.655	ng	-0.02
23) Nitrobenzene-d5	8.846	82	816342	61.166	ng	-0.02
42) 2,4,6-Tribromophenol	15.828	330	311604	89.886	ng	-0.02
45) 2-Fluorobiphenyl	12.945	172	1342566	58.829	ng	-0.02
79) Terphenyl-d14	19.727	244	1404219	47.849	ng	-0.02
Target Compounds						
						Qvalue
32) Benzoic acid	9.781	122	587	3.687	ng	# 30
71) Phenanthrene	17.127	178	140378	4.574	ng	99
75) Fluoranthene	19.151	202	258506	7.534	ng	97
78) Pyrene	19.515	202	238068	6.327	ng	99
81) Benzo(a)anthracene	21.268	228	122181	3.420	ng	96
83) Chrysene	21.321	228	133726	3.918	ng	96
84) Bis(2-ethylhexyl)phtha...	21.209	149	54670	2.140	ng	96
87) Indeno(1,2,3-cd)pyrene	25.786	276	110975	2.401	ng	94
88) Benzo(b)fluoranthene	22.856	252	216014	5.750	ng	96
89) Benzo(k)fluoranthene	22.856	252	216014	5.593	ng	# 95
90) Benzo(a)pyrene	23.427	252	145881	3.981	ng	98
92) Benzo(g,h,i)perylene	26.480	276	109264	2.849	ng	99

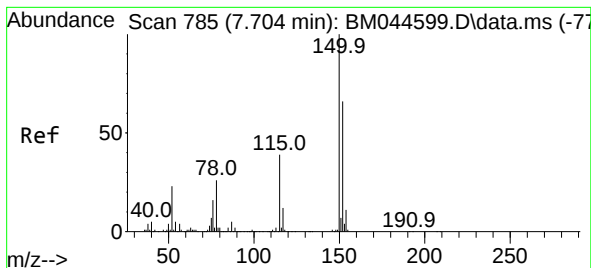
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM044792.D

Acq: 27 Mar 2024 22:58

Instrument :

BNA_M

ClientSampleId :

72-11933

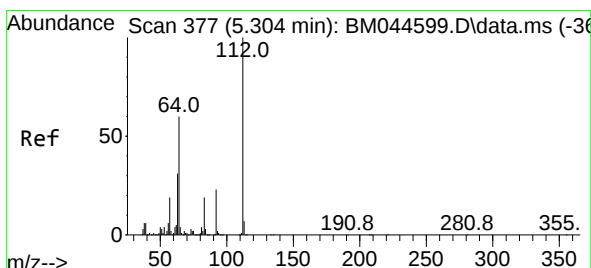
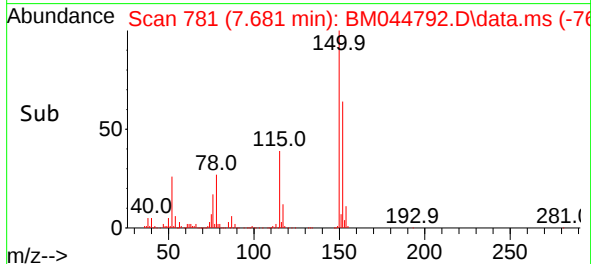
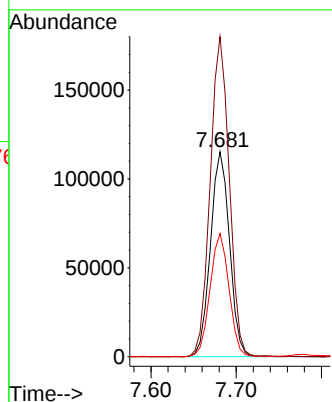
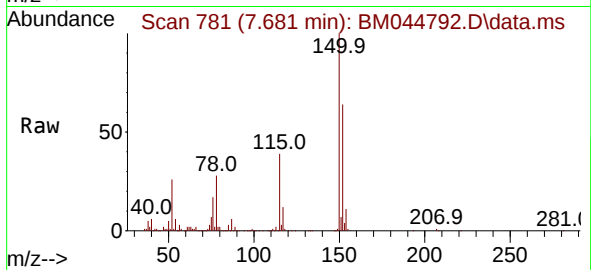
Tgt Ion:152 Resp: 178955

Ion Ratio Lower Upper

152 100

150 156.1 121.9 182.9

115 60.1 47.1 70.7



#5

2-Fluorophenol

Concen: 87.387 ng

RT: 5.293 min Scan# 375

Delta R.T. -0.011 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

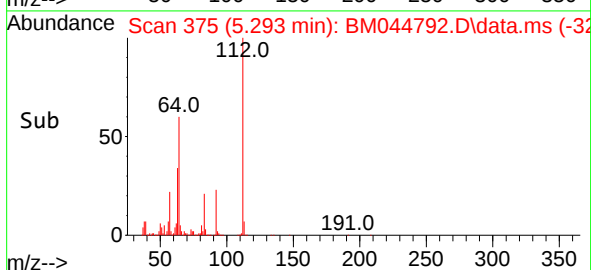
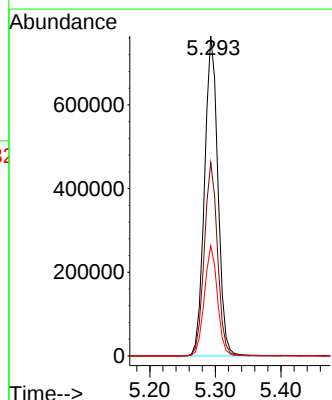
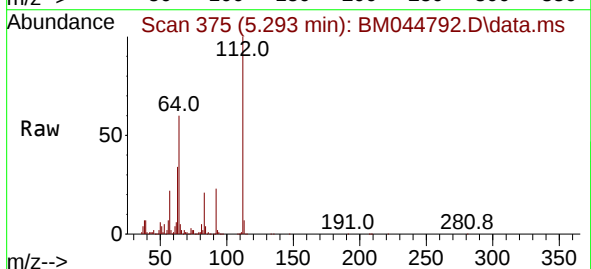
Tgt Ion:112 Resp: 1089182

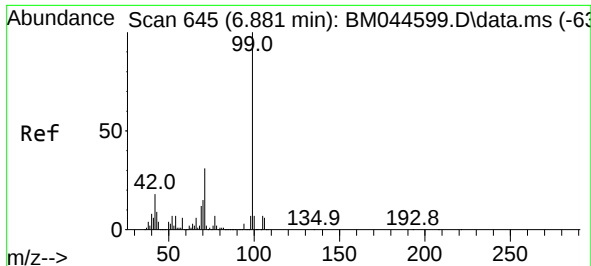
Ion Ratio Lower Upper

112 100

64 60.5 47.9 71.9

63 34.4 25.0 37.4

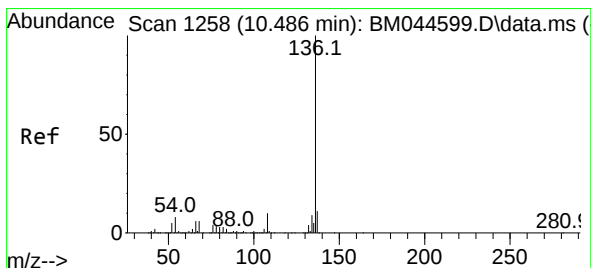
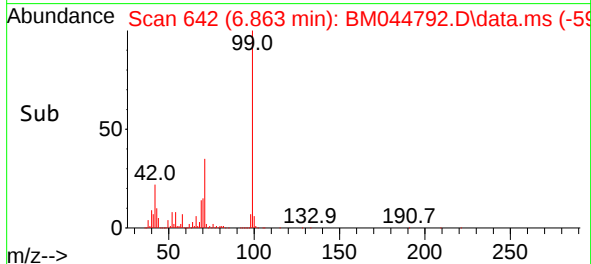
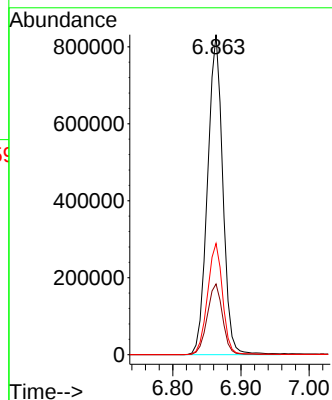
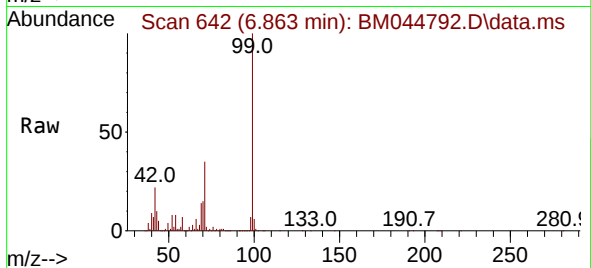




#7
Phenol-d6
Concen: 80.655 ng
RT: 6.863 min Scan# 64
Delta R.T. -0.017 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

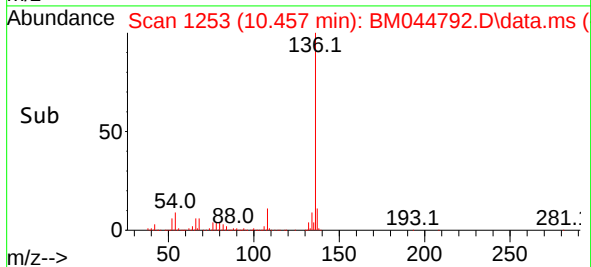
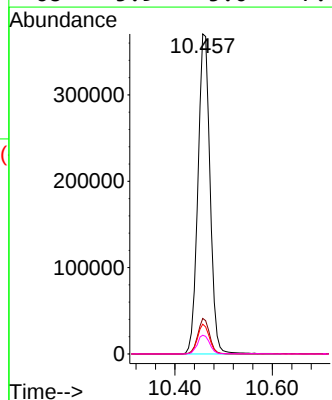
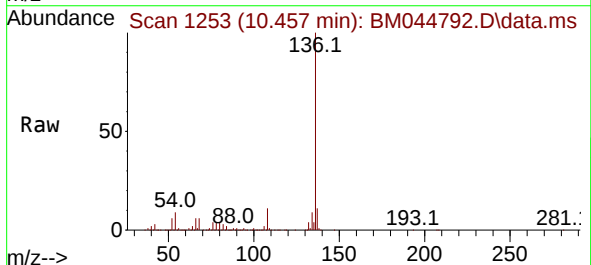
Instrument :
BNA_M
ClientSampleId :
72-11933

Tgt Ion: 99 Resp: 1293304
Ion Ratio Lower Upper
99 100
42 22.1 14.3 21.5#
71 34.8 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: BM044792.D
Acq: 27 Mar 2024 22:58

Tgt Ion: 136 Resp: 642973
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.3 6.6 10.0
68 5.9 5.0 7.4

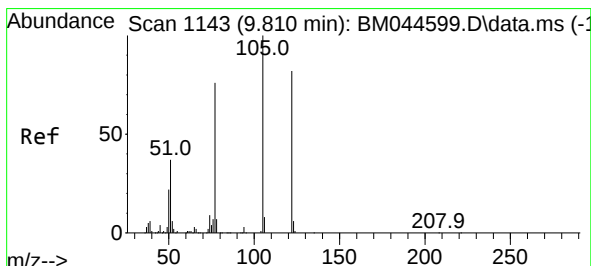
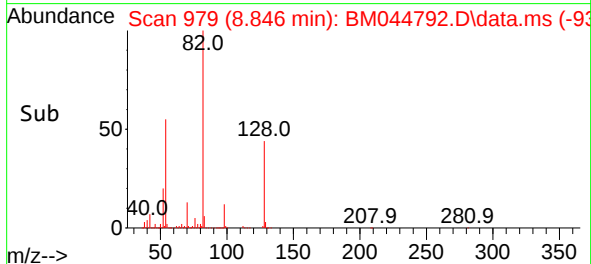
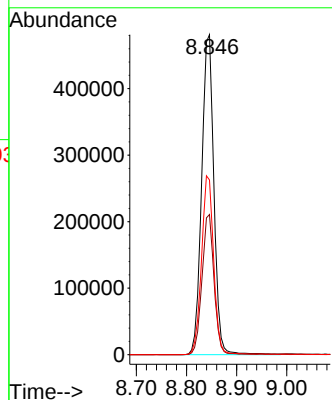
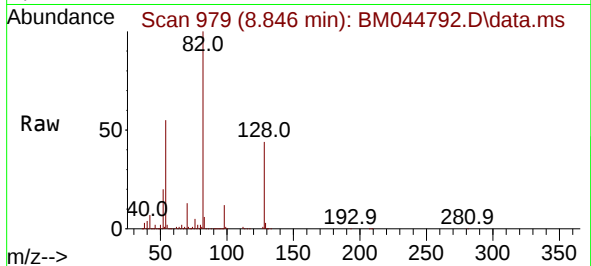




#23
Nitrobenzene-d5
Concen: 61.166 ng
RT: 8.846 min Scan# 91
Delta R.T. -0.017 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

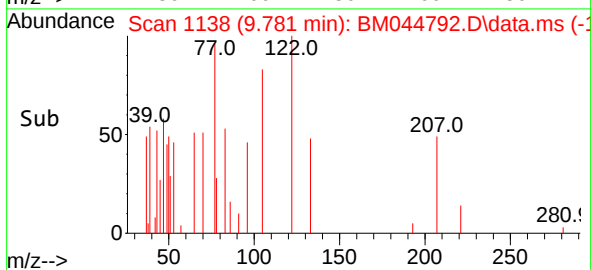
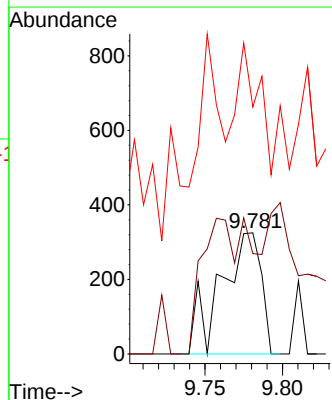
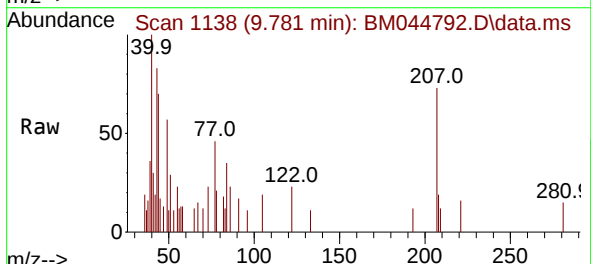
Instrument :
BNA_M
ClientSampleId :
72-11933

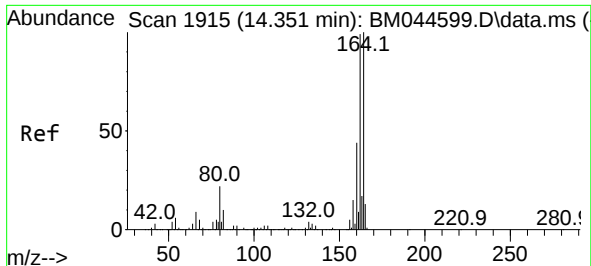
Tgt Ion: 82 Resp: 816342
Ion Ratio Lower Upper
82 100
128 43.8 34.2 51.4
54 54.6 41.3 61.9



#32
Benzoic acid
Concen: 3.687 ng
RT: 9.781 min Scan# 1138
Delta R.T. -0.029 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

Tgt Ion:122 Resp: 587
Ion Ratio Lower Upper
122 100
105 82.8 100.0 140.0#
77 204.0 72.5 112.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.328 min Scan# 1911

Delta R.T. -0.023 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

Instrument :

BNA_M

ClientSampleId :

72-11933

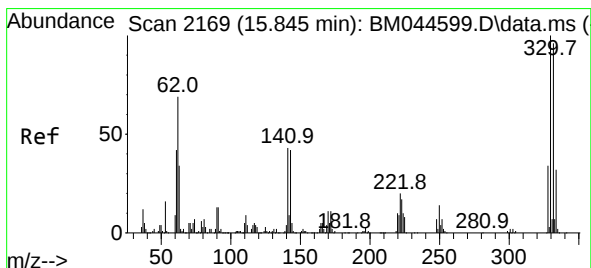
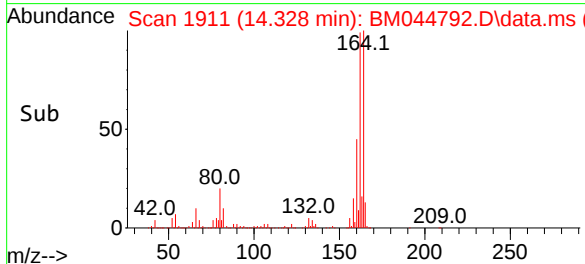
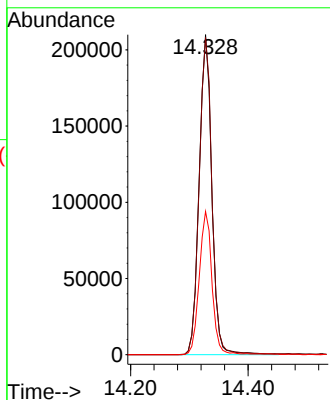
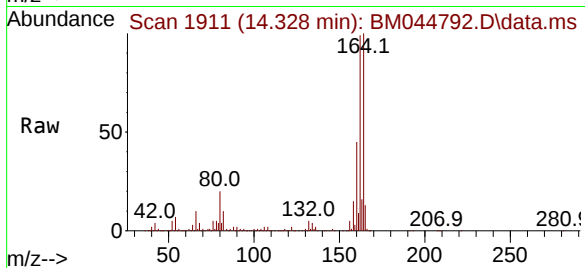
Tgt Ion:164 Resp: 314304

Ion Ratio Lower Upper

164 100

162 99.1 79.3 118.9

160 44.8 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 89.886 ng

RT: 15.828 min Scan# 2166

Delta R.T. -0.017 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

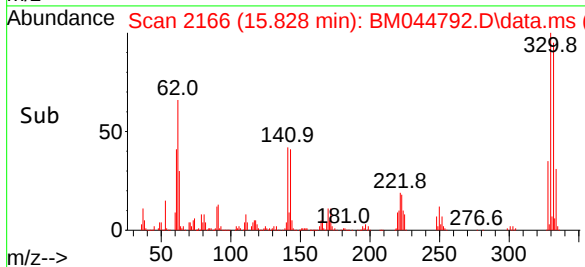
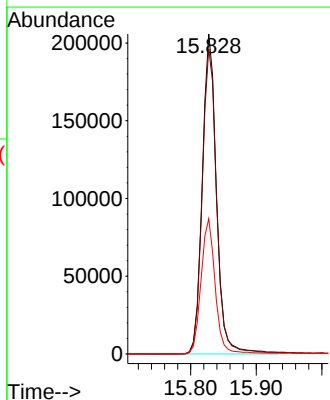
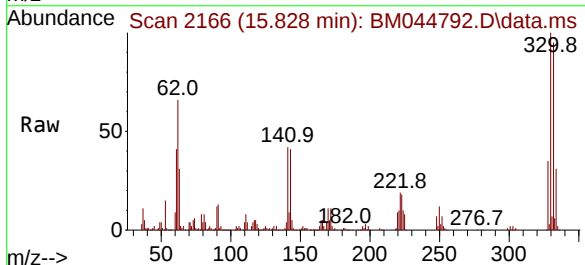
Tgt Ion:330 Resp: 311604

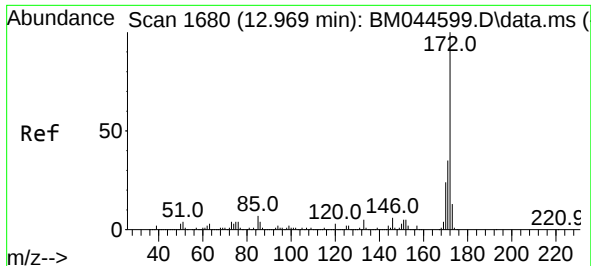
Ion Ratio Lower Upper

330 100

332 96.1 77.8 116.8

141 42.2 33.4 50.0

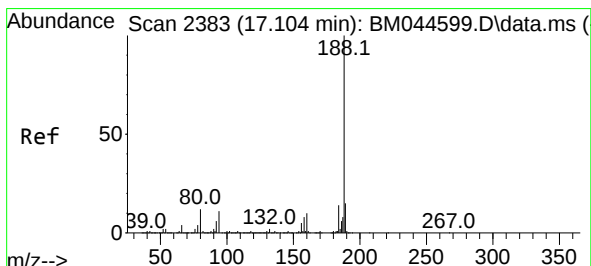
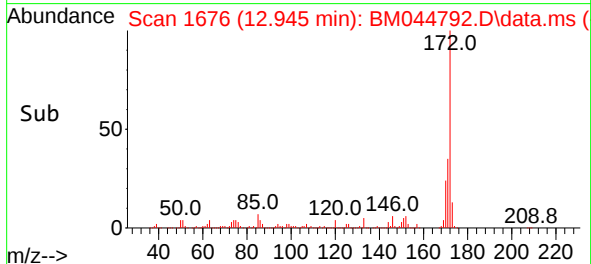
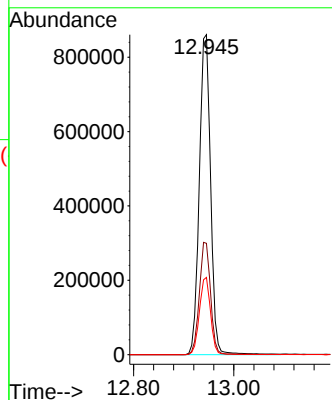
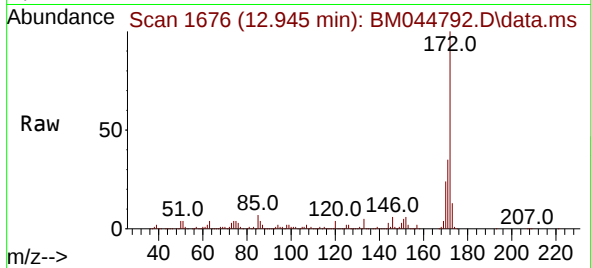




#45
2-Fluorobiphenyl
Concen: 58.829 ng
RT: 12.945 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

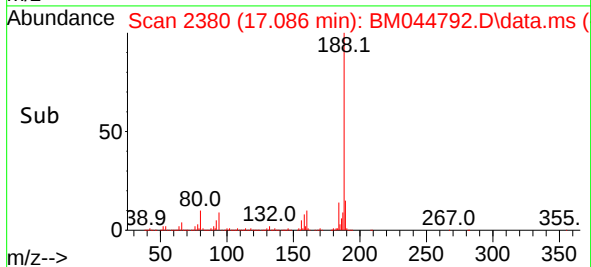
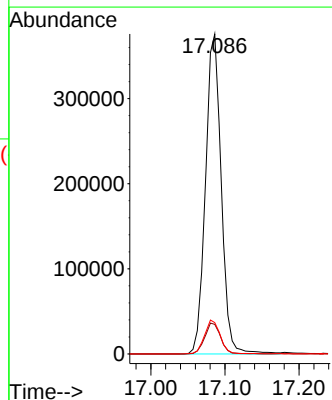
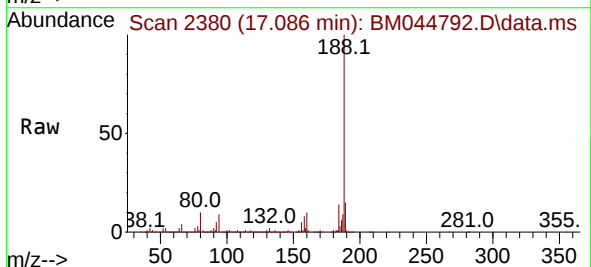
Instrument :
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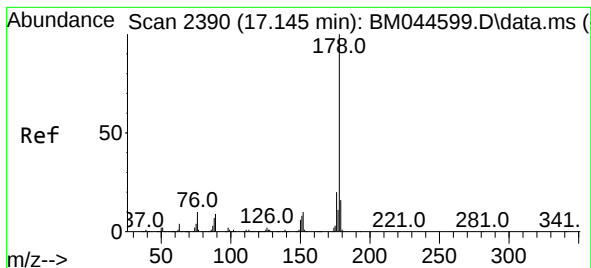
Tgt Ion:172 Resp: 1342566
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 24.2 19.0 28.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.017 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

Tgt Ion:188 Resp: 555410
Ion Ratio Lower Upper
188 100
94 9.3 8.4 12.6
80 9.8 9.4 14.0





#71

Phenanthrene

Concen: 4.574 ng

RT: 17.127 min Scan# 21

Delta R.T. -0.017 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

Instrument :

BNA_M

ClientSampleId :

72-11933

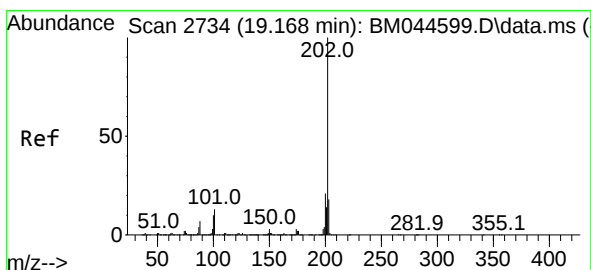
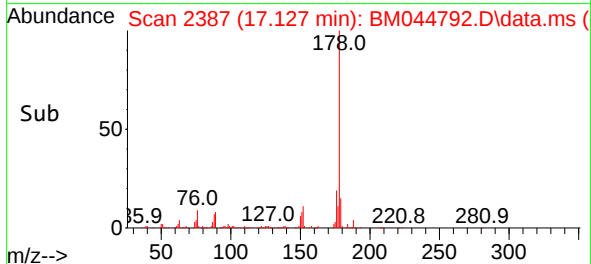
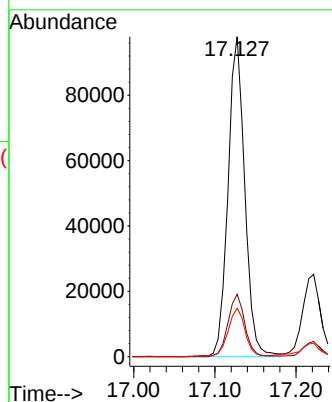
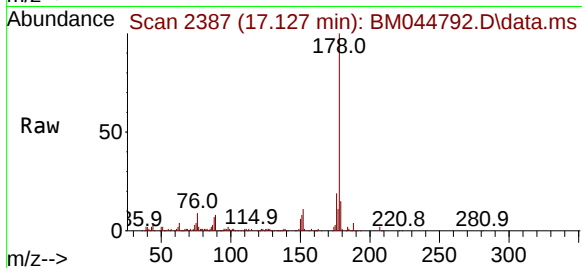
Tgt Ion:178 Resp: 140378

Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

179 15.1 12.4 18.6



#75

Fluoranthene

Concen: 7.534 ng

RT: 19.151 min Scan# 2731

Delta R.T. -0.017 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

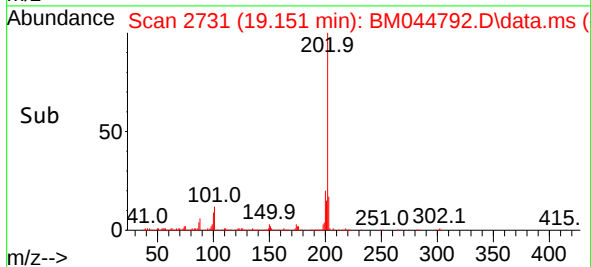
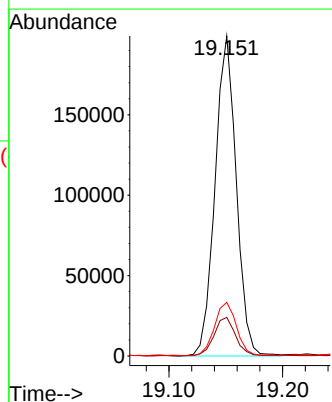
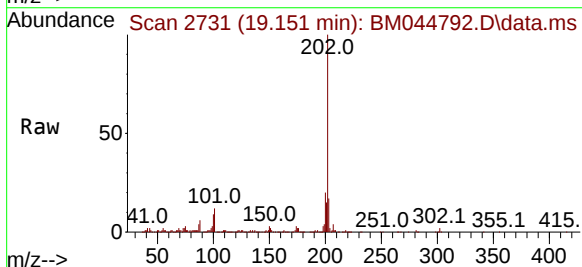
Tgt Ion:202 Resp: 258506

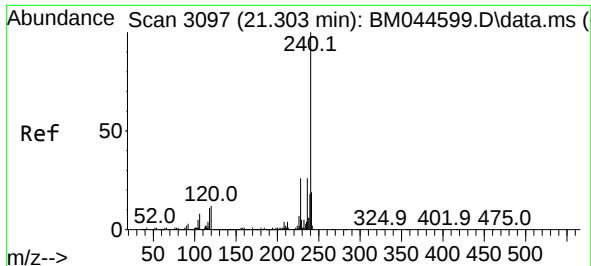
Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.3

203 16.8 0.0 37.7

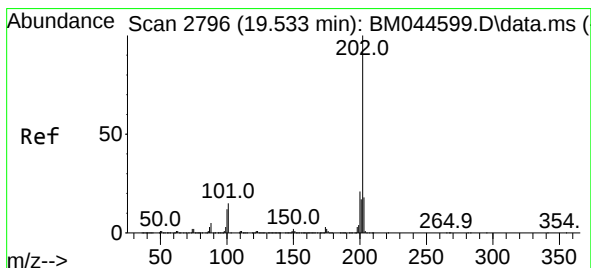
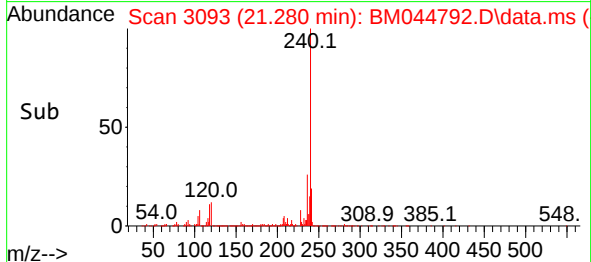
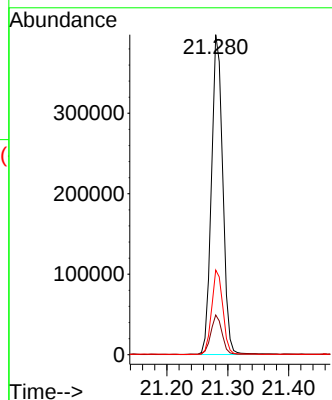
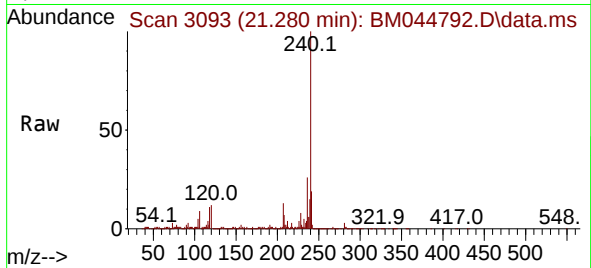




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.280 min Scan# 30
Delta R.T. -0.023 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

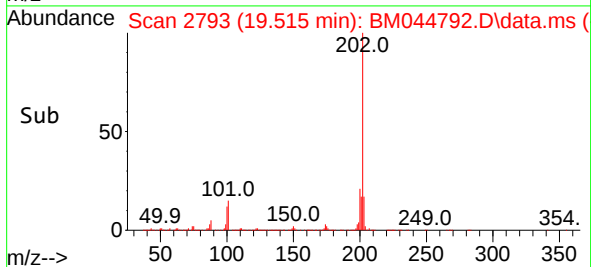
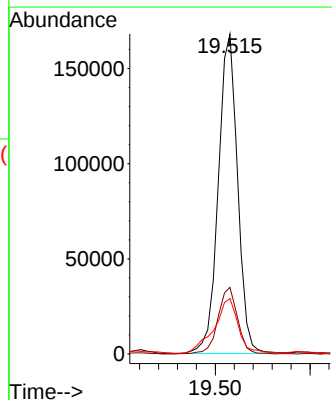
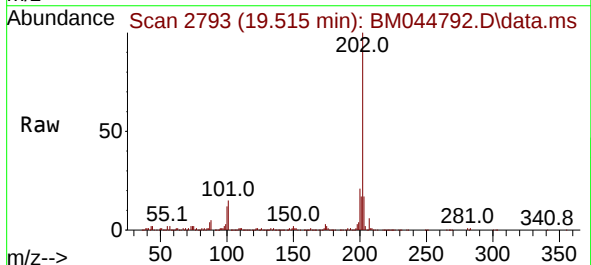
Instrument :
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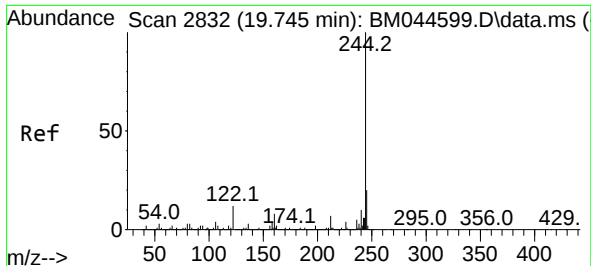
Tgt Ion:240 Resp: 513381
Ion Ratio Lower Upper
240 100
120 12.4 9.7 14.5
236 26.4 21.0 31.4



#78
Pyrene
Concen: 6.327 ng
RT: 19.515 min Scan# 2793
Delta R.T. -0.018 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

Tgt Ion:202 Resp: 238068
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.4
203 17.3 14.1 21.1

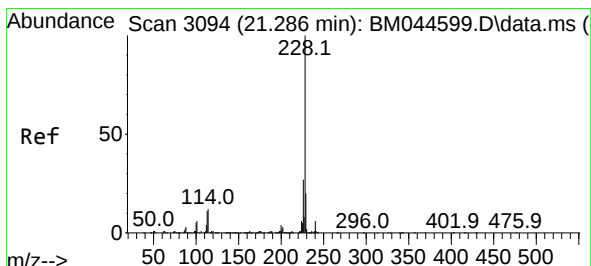
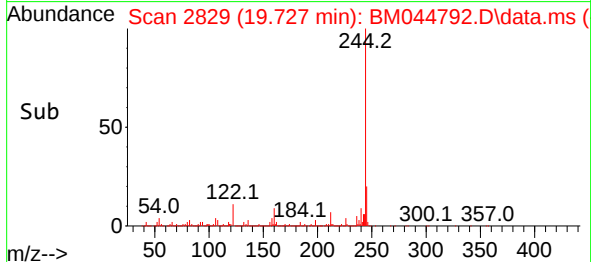
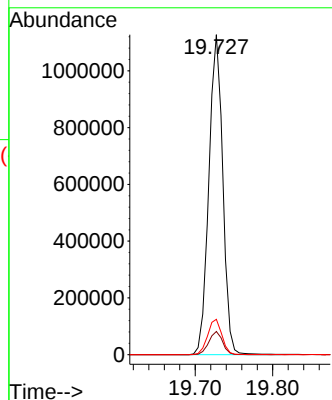
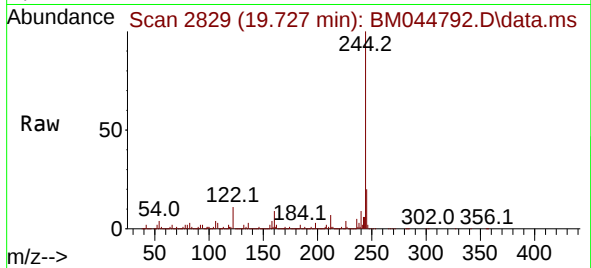




#79
 Terphenyl-d14
 Concen: 47.849 ng
 RT: 19.727 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BM044792.D
 Acq: 27 Mar 2024 22:58

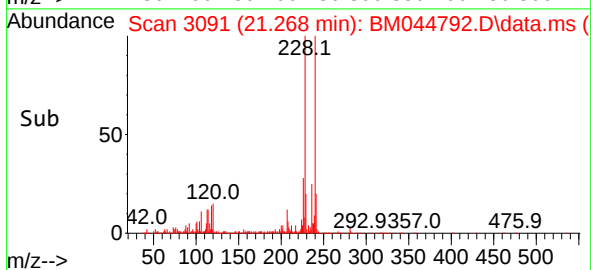
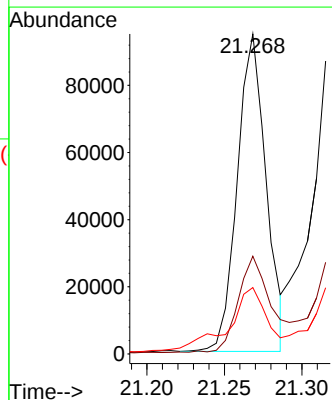
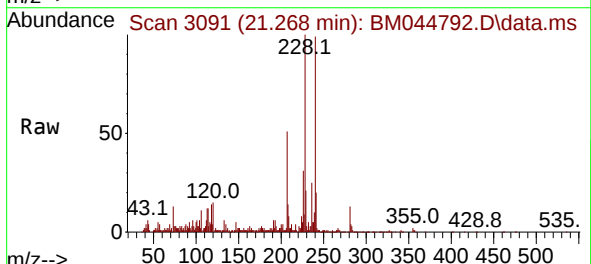
Instrument :
 BNA_M
 ClientSampleId :
 72-11933

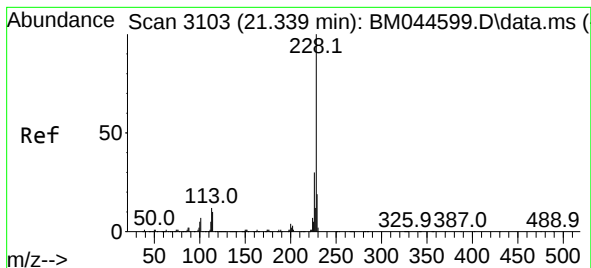
Tgt Ion:244 Resp: 1404219
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.5 8.3
 122 11.0 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 3.420 ng
 RT: 21.268 min Scan# 3091
 Delta R.T. -0.017 min
 Lab File: BM044792.D
 Acq: 27 Mar 2024 22:58

Tgt Ion:228 Resp: 122181
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.9 32.9
 229 20.7 15.9 23.9





#83

Chrysene

Concen: 3.918 ng

RT: 21.321 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

Instrument :

BNA_M

ClientSampleId :

72-11933

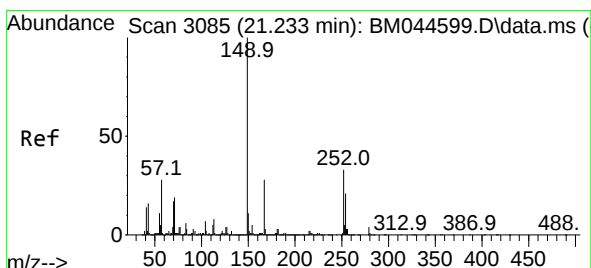
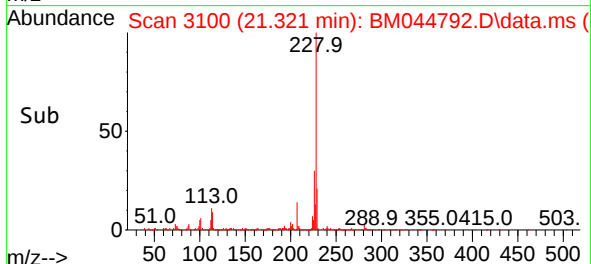
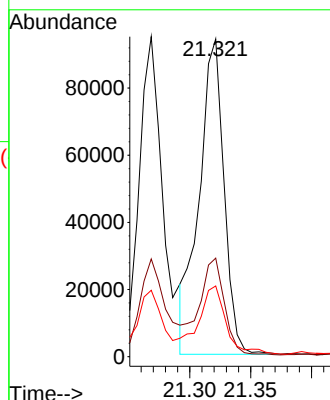
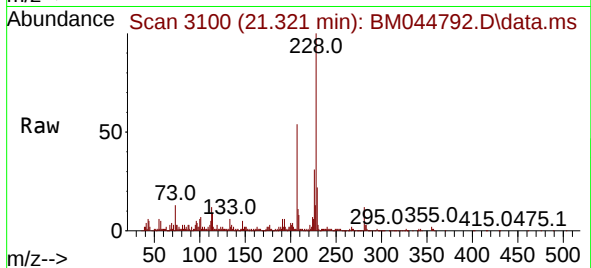
Tgt Ion:228 Resp: 133726

Ion Ratio Lower Upper

228 100

226 31.0 23.6 35.4

229 22.2 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.140 ng

RT: 21.209 min Scan# 3081

Delta R.T. -0.023 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

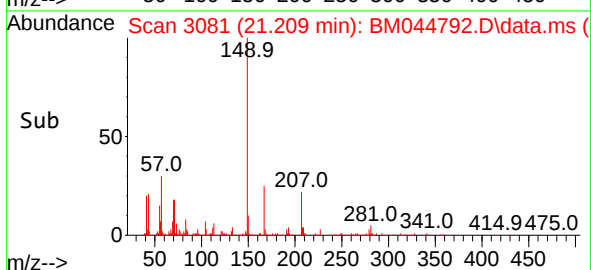
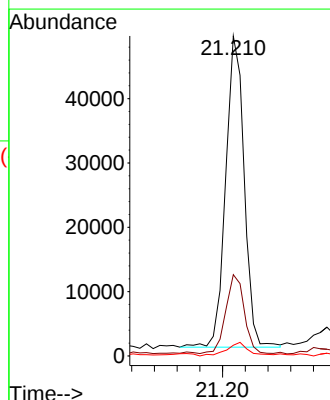
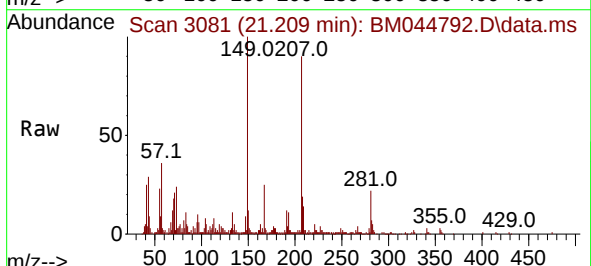
Tgt Ion:149 Resp: 54670

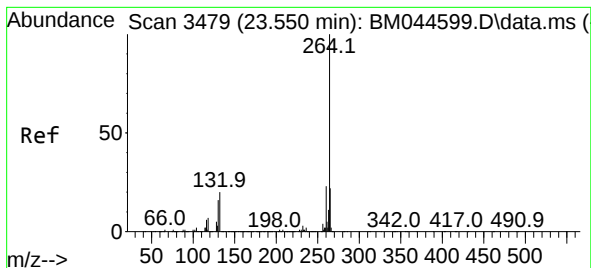
Ion Ratio Lower Upper

149 100

167 25.4 22.1 33.1

279 3.4 3.0 4.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.527 min Scan# 34

Delta R.T. -0.023 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

Instrument :

BNA_M

ClientSampleId :

72-11933

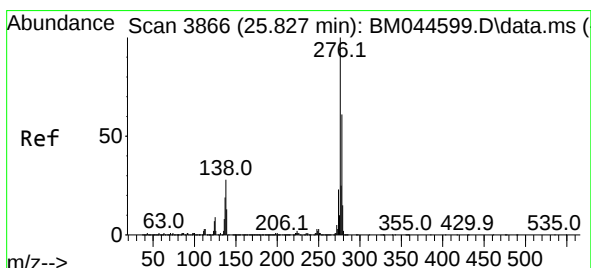
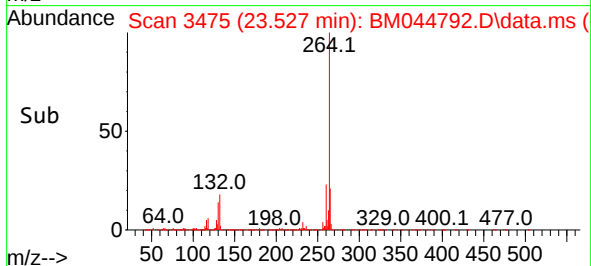
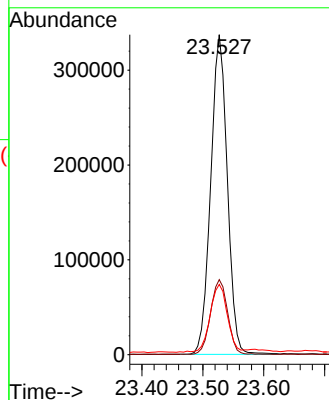
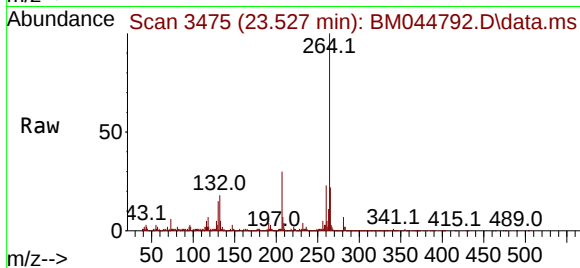
Tgt Ion:264 Resp: 639301

Ion Ratio Lower Upper

264 100

260 23.5 18.3 27.5

265 22.0 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.401 ng

RT: 25.786 min Scan# 3859

Delta R.T. -0.041 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

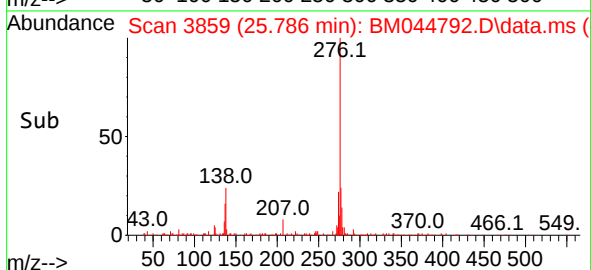
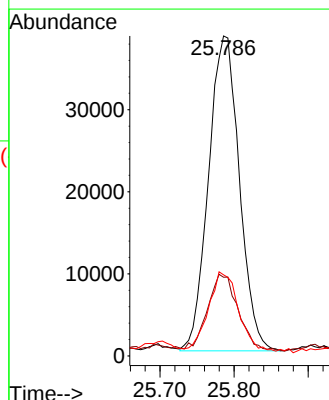
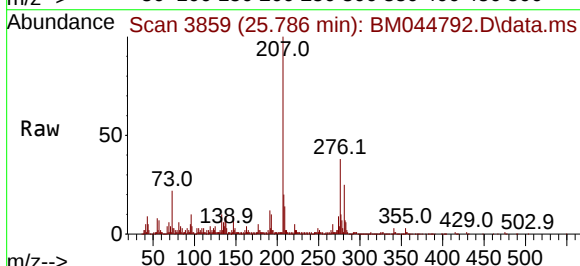
Tgt Ion:276 Resp: 110975

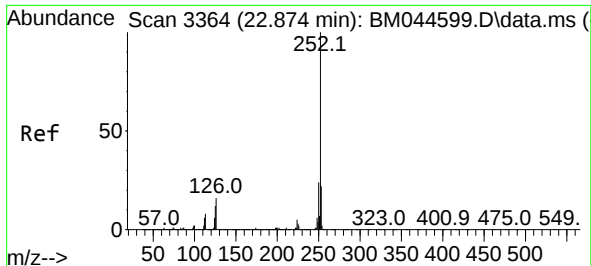
Ion Ratio Lower Upper

276 100

138 24.5 23.6 35.4

277 24.3 20.2 30.2

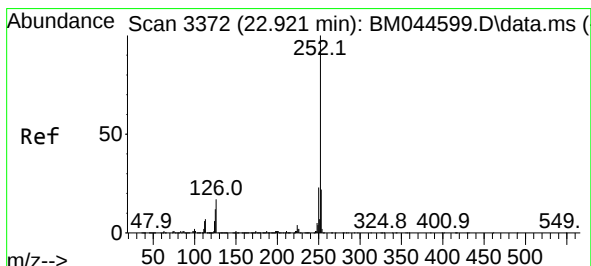
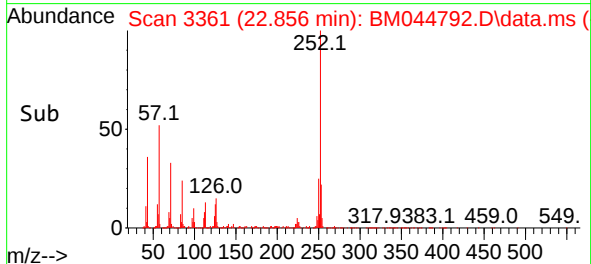
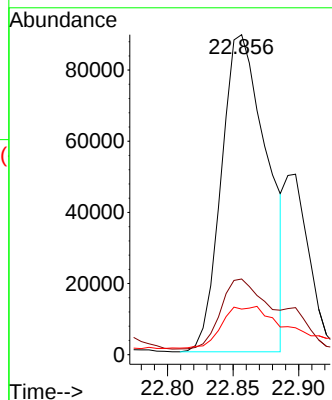
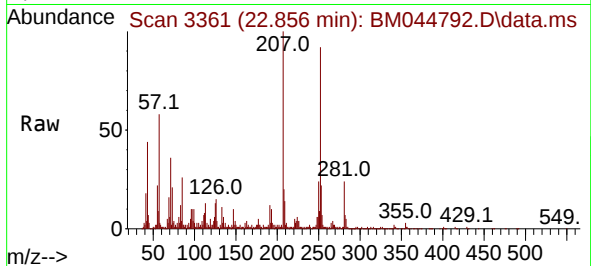




#88
Benzo(b)fluoranthene
Concen: 5.750 ng
RT: 22.856 min Scan# 3361
Delta R.T. -0.017 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

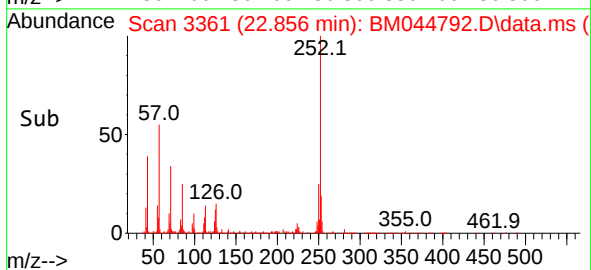
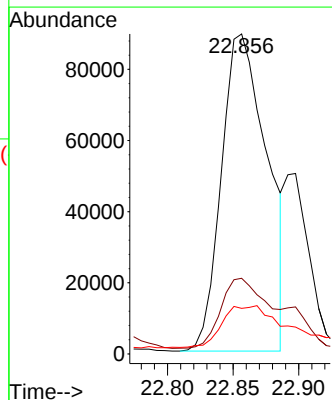
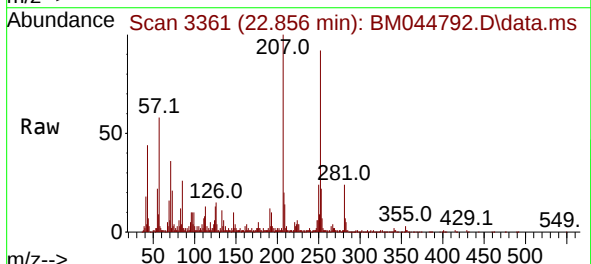
Instrument :
BNA_M
ClientSampleId :
72-11933

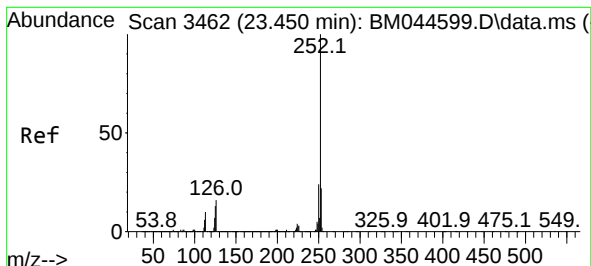
Tgt Ion:252 Resp: 216014
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 14.3 9.6 14.4



#89
Benzo(k)fluoranthene
Concen: 5.593 ng
RT: 22.856 min Scan# 3361
Delta R.T. -0.064 min
Lab File: BM044792.D
Acq: 27 Mar 2024 22:58

Tgt Ion:252 Resp: 216014
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 14.3 9.4 14.0#





#90

Benzo(a)pyrene

Concen: 3.981 ng

RT: 23.427 min Scan# 34

Delta R.T. -0.023 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

Instrument :

BNA_M

ClientSampleId :

72-11933

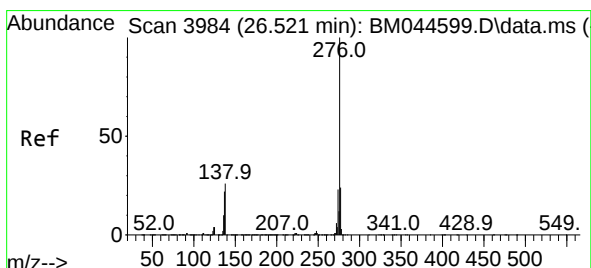
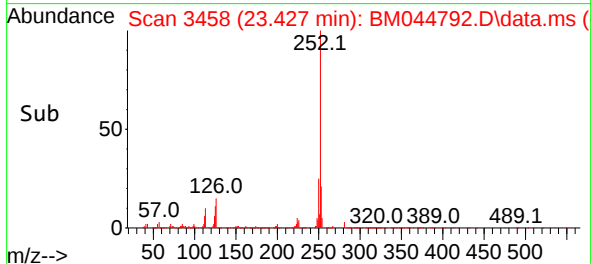
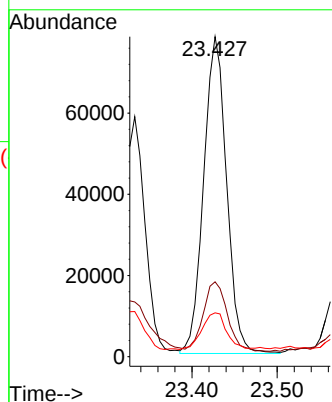
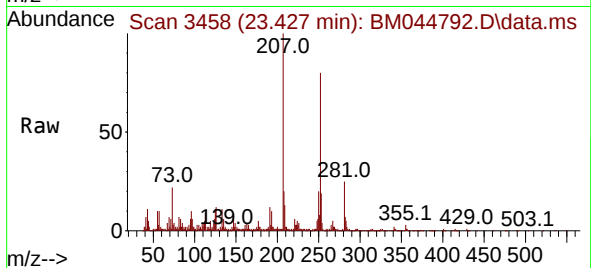
Tgt Ion:252 Resp: 145881

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 13.7 10.5 15.7



#92

Benzo(g,h,i)perylene

Concen: 2.849 ng

RT: 26.480 min Scan# 3977

Delta R.T. -0.041 min

Lab File: BM044792.D

Acq: 27 Mar 2024 22:58

Tgt Ion:276 Resp: 109264

Ion Ratio Lower Upper

276 100

277 24.7 19.3 28.9

138 26.0 20.7 31.1

