

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032924\
 Data File : BM044814.D
 Acq On : 29 Mar 2024 13:11
 Operator : MA/JU
 Sample : P1879-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 29 13:44:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 29 01:24:21 2024
 Response via : Initial Calibration

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

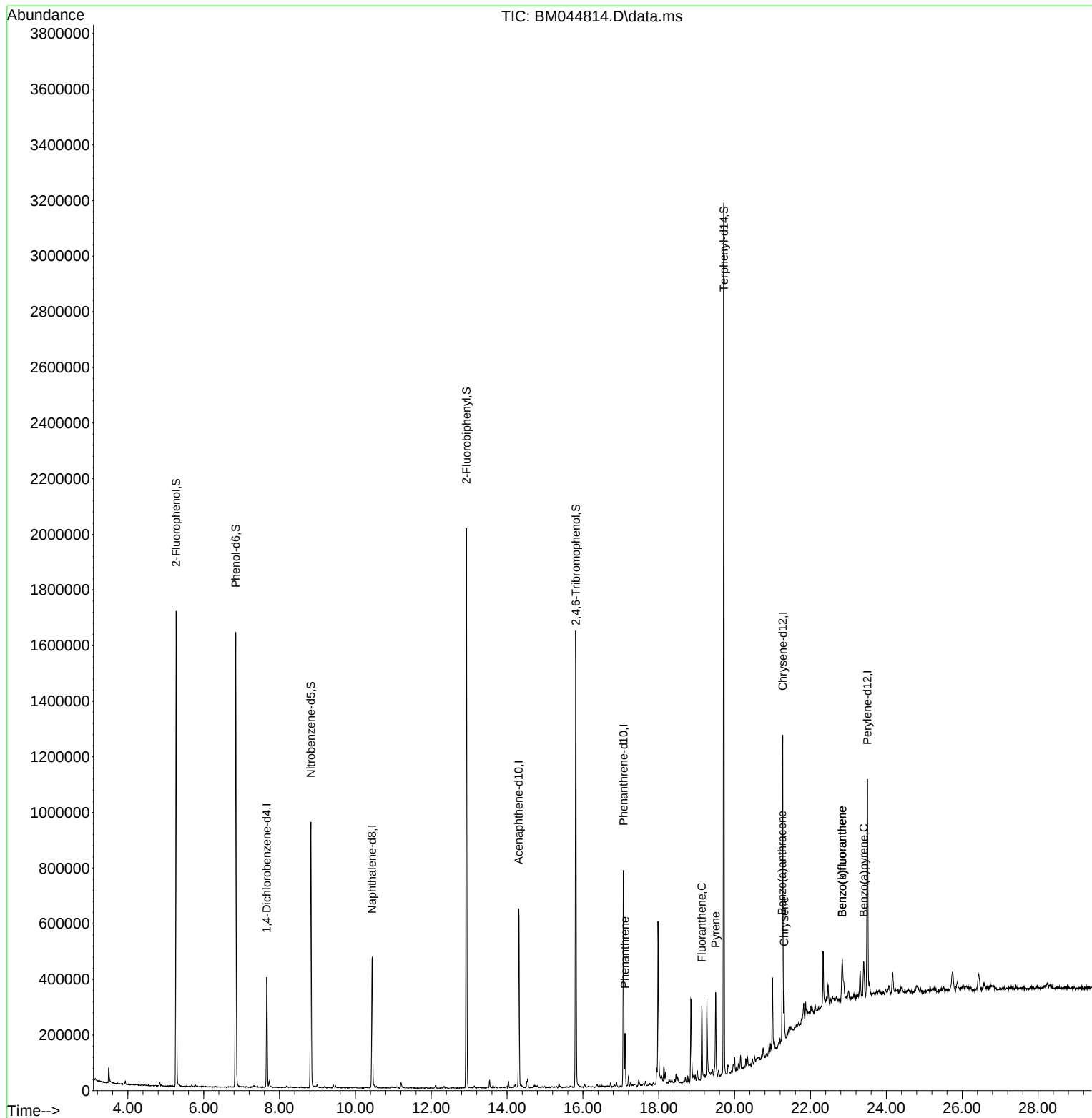
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	98267	20.000	ng	-0.01
21) Naphthalene-d8	10.445	136	379289	20.000	ng	-0.01
39) Acenaphthene-d10	14.310	164	216231	20.000	ng	-0.01
64) Phenanthrene-d10	17.069	188	439694	20.000	ng	-0.01
76) Chrysene-d12	21.268	240	441360	20.000	ng	-0.01
86) Perylene-d12	23.503	264	525703	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.275	112	663654	96.724	ng	-0.01
7) Phenol-d6	6.846	99	846168	95.076	ng	-0.01
23) Nitrobenzene-d5	8.828	82	532087	63.241	ng	-0.01
42) 2,4,6-Tribromophenol	15.816	330	260892	110.413	ng	0.00
45) 2-Fluorobiphenyl	12.928	172	966603	57.254	ng	-0.01
79) Terphenyl-d14	19.715	244	1411598	54.202	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.110	178	103944	4.237	ng	99
75) Fluoranthene	19.133	202	142674	5.827	ng	100
78) Pyrene	19.498	202	172807	4.913	ng	99
81) Benzo(a)anthracene	21.251	228	86733	2.819	ng	96
83) Chrysene	21.304	228	89940	3.050	ng	96
88) Benzo(b)fluoranthene	22.833	252	146898	4.931	ng	97
89) Benzo(k)fluoranthene	22.833	252	146898	4.911	ng	97
90) Benzo(a)pyrene	23.403	252	86053	2.846	ng	96

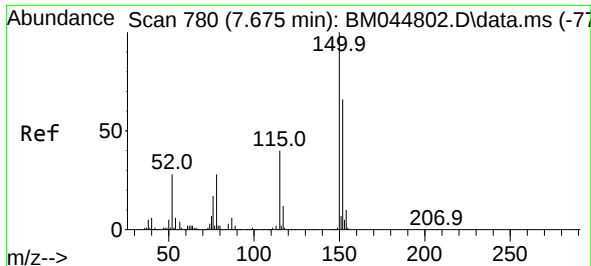
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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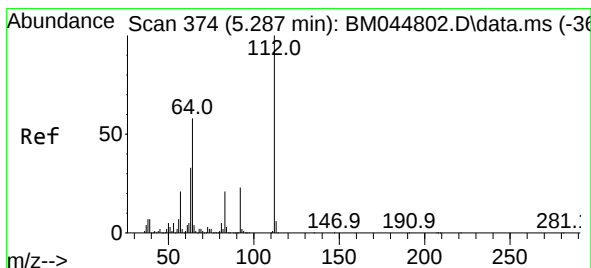
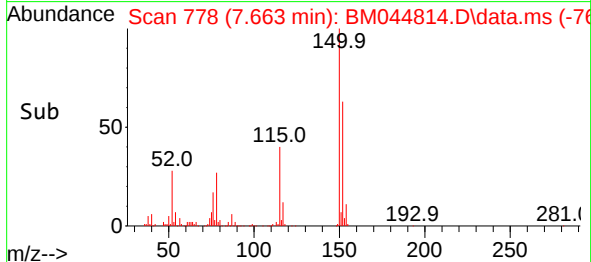
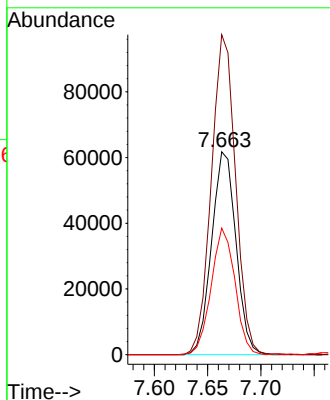
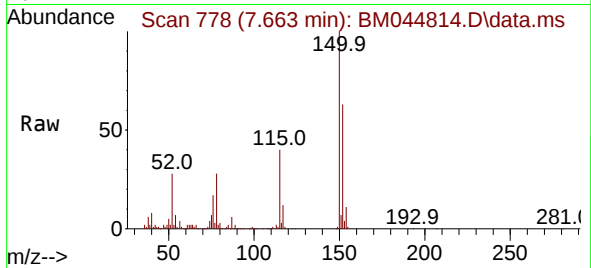




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM044814.D
Acq: 29 Mar 2024 13:11

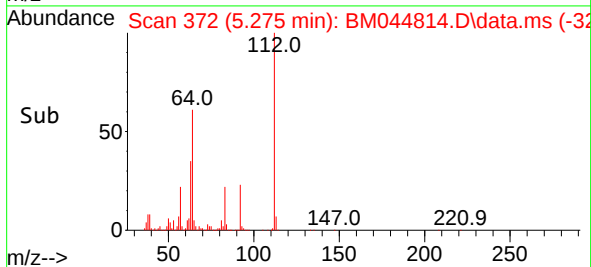
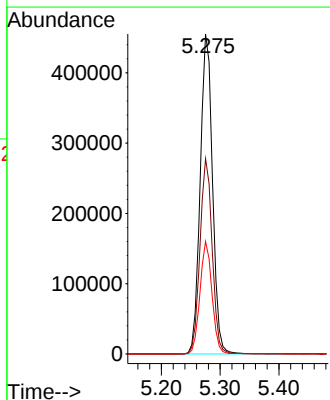
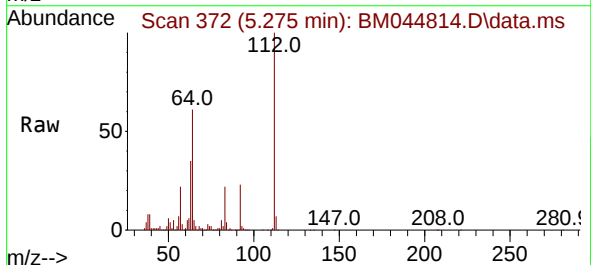
Instrument :
BNA_M
ClientSampleId :

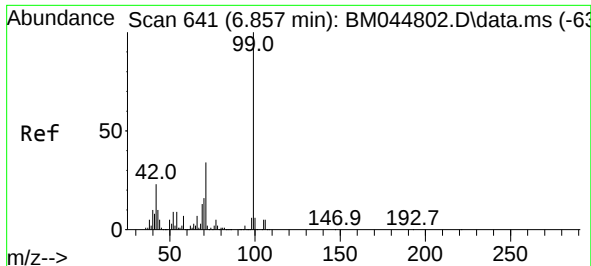
Tgt Ion:152 Resp: 98267
Ion Ratio Lower Upper
152 100
150 157.8 121.0 181.6
115 62.4 48.3 72.5



#5
2-Fluorophenol
Concen: 96.724 ng
RT: 5.275 min Scan# 372
Delta R.T. -0.011 min
Lab File: BM044814.D
Acq: 29 Mar 2024 13:11

Tgt Ion:112 Resp: 663654
Ion Ratio Lower Upper
112 100
64 61.1 46.4 69.6
63 35.2 26.2 39.4

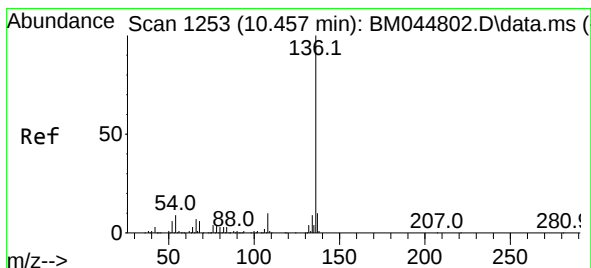
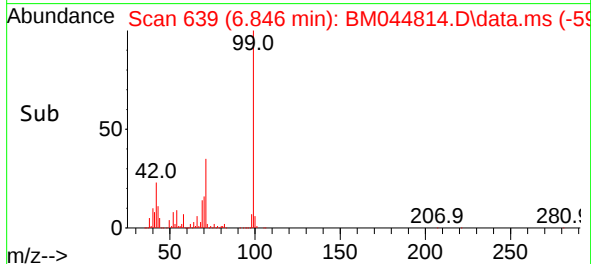
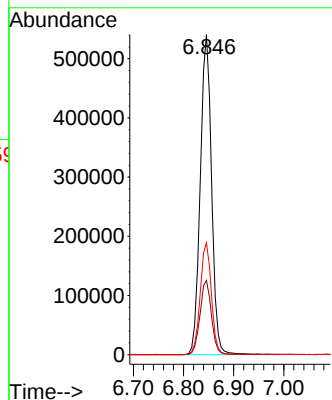
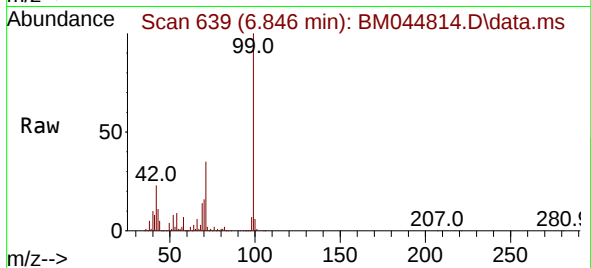




#7
Phenol-d6
Concen: 95.076 ng
RT: 6.846 min Scan# 61
Delta R.T. -0.011 min
Lab File: BM044814.D
Acq: 29 Mar 2024 13:11

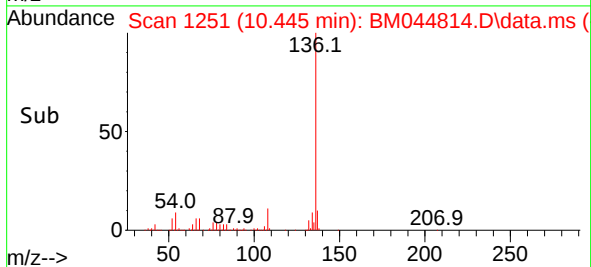
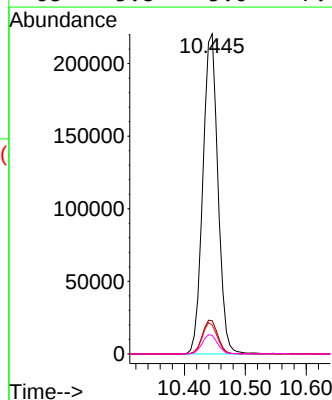
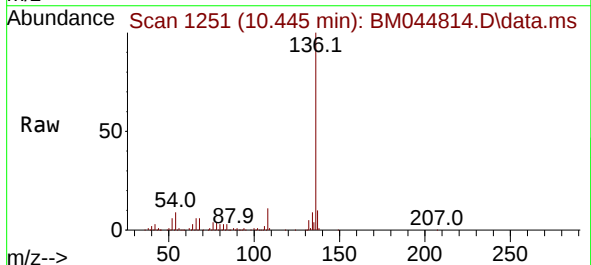
Instrument :
BNA_M
ClientSampleId :

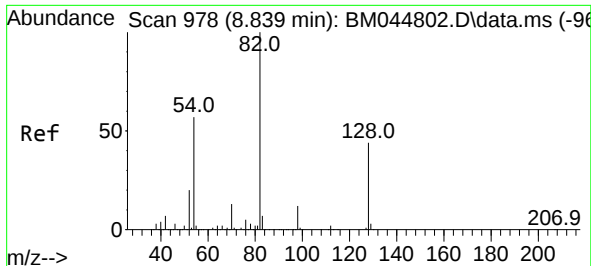
Tgt Ion: 99 Resp: 846168
Ion Ratio Lower Upper
99 100
42 23.2 18.2 27.4
71 35.0 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.445 min Scan# 1251
Delta R.T. -0.011 min
Lab File: BM044814.D
Acq: 29 Mar 2024 13:11

Tgt Ion: 136 Resp: 379289
Ion Ratio Lower Upper
136 100
137 10.4 8.4 12.6
54 9.1 7.3 10.9
68 5.8 5.0 7.4

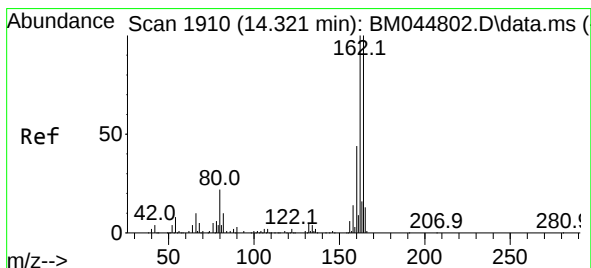
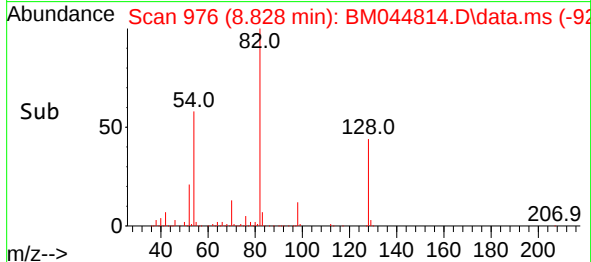
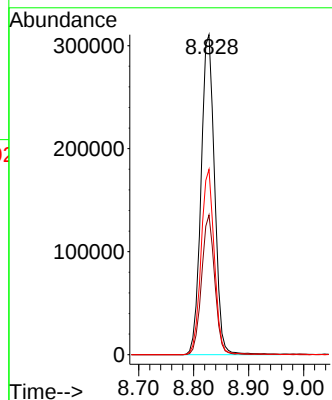
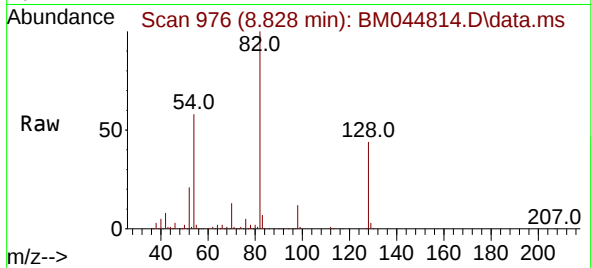




#23
Nitrobenzene-d5
Concen: 63.241 ng
RT: 8.828 min Scan# 91
Delta R.T. -0.011 min
Lab File: BM044814.D
Acq: 29 Mar 2024 13:11

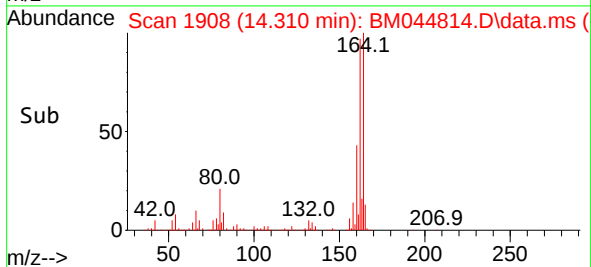
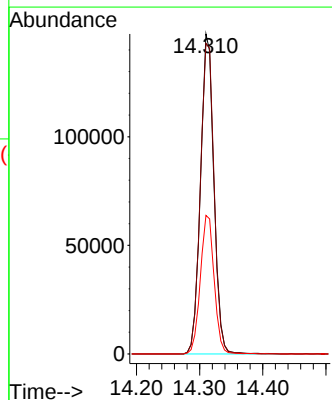
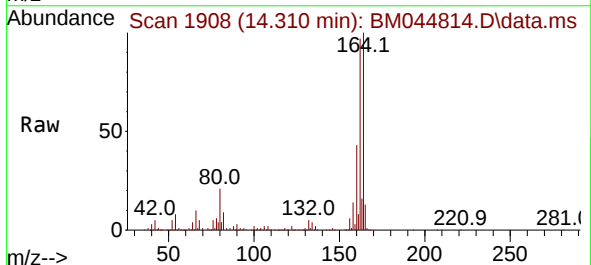
Instrument :
BNA_M
ClientSampleId :

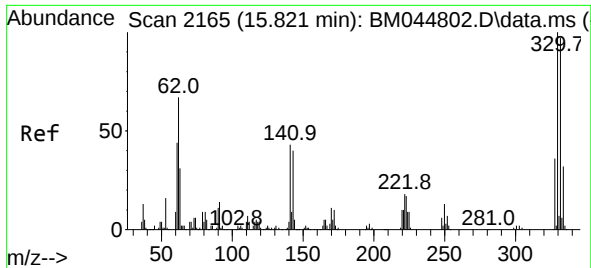
Tgt Ion: 82 Resp: 532087
Ion Ratio Lower Upper
82 100
128 43.6 34.8 52.2
54 57.9 45.4 68.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.310 min Scan# 1908
Delta R.T. -0.011 min
Lab File: BM044814.D
Acq: 29 Mar 2024 13:11

Tgt Ion:164 Resp: 216231
Ion Ratio Lower Upper
164 100
162 97.0 80.2 120.4
160 43.3 35.4 53.2

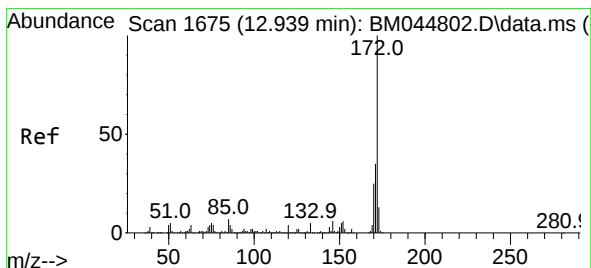
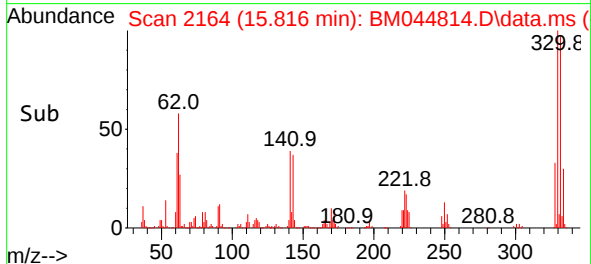
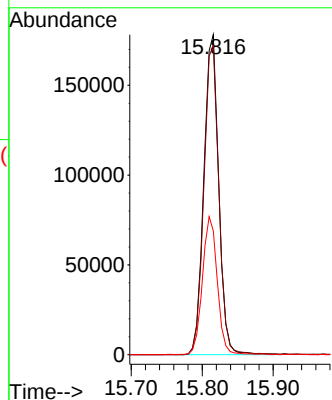
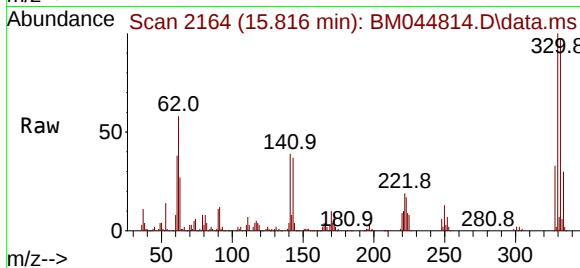




#42
2,4,6-Tribromophenol
Concen: 110.413 ng
RT: 15.816 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044814.D
Acq: 29 Mar 2024 13:11

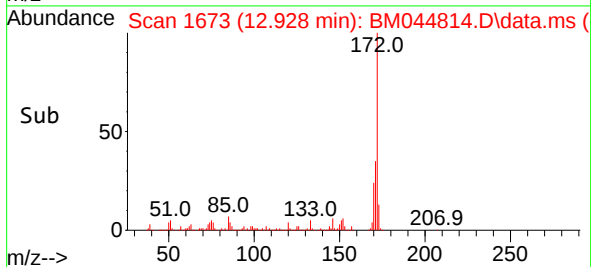
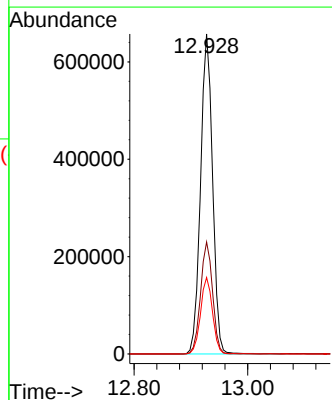
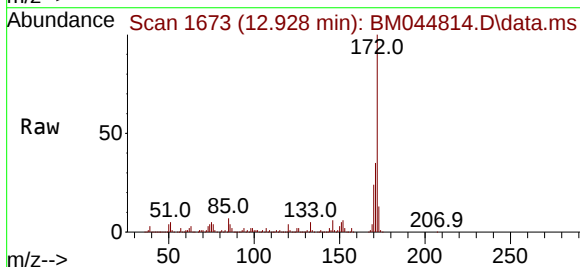
Instrument :
BNA_M
ClientSampleId :

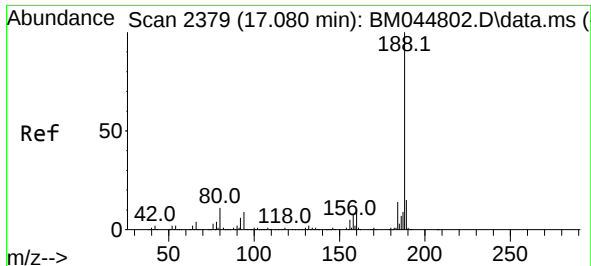
Tgt Ion:330 Resp: 260892
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 43.0 34.1 51.1



#45
2-Fluorobiphenyl
Concen: 57.254 ng
RT: 12.928 min Scan# 1673
Delta R.T. -0.011 min
Lab File: BM044814.D
Acq: 29 Mar 2024 13:11

Tgt Ion:172 Resp: 966603
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.8
170 23.9 19.8 29.6

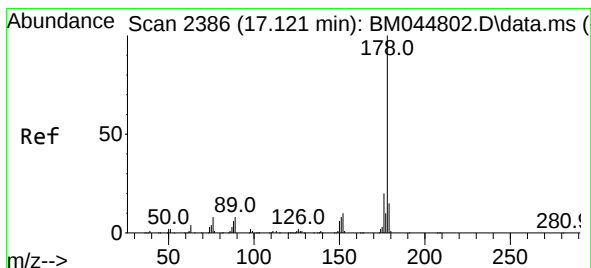
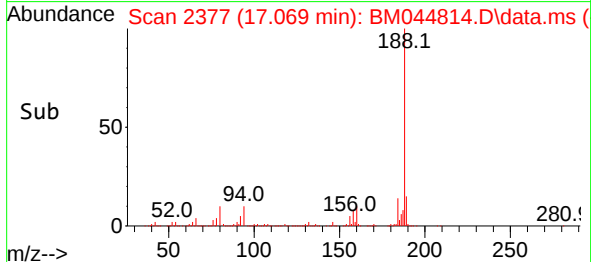
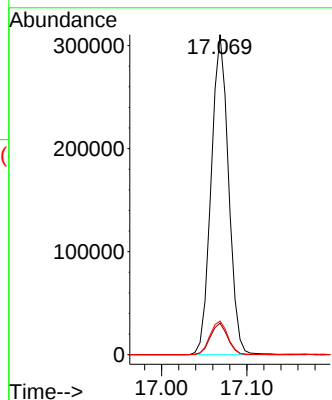
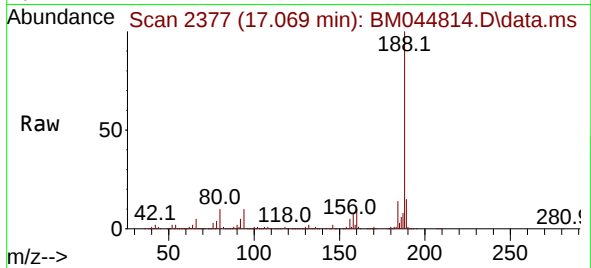




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.069 min Scan# 21
Delta R.T. -0.011 min
Lab File: BM044814.D
Acq: 29 Mar 2024 13:11

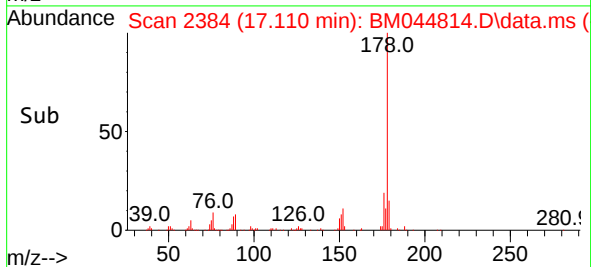
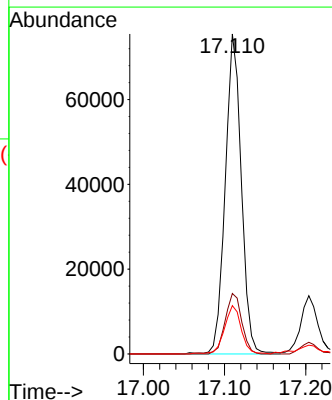
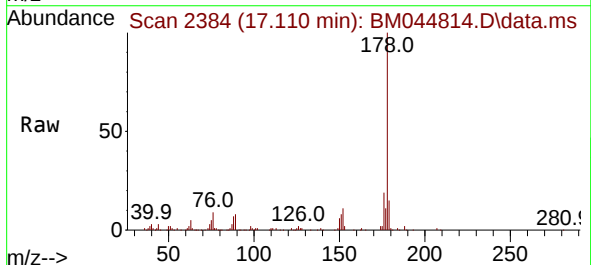
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ClientSampleId :

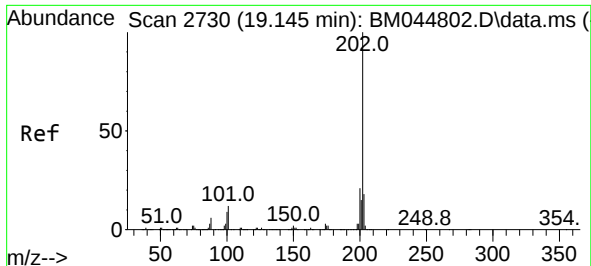
Tgt Ion:188 Resp: 439694
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.0
80 10.5 8.6 12.8



#71
Phenanthrene
Concen: 4.237 ng
RT: 17.110 min Scan# 2384
Delta R.T. -0.011 min
Lab File: BM044814.D
Acq: 29 Mar 2024 13:11

Tgt Ion:178 Resp: 103944
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.1 12.2 18.2

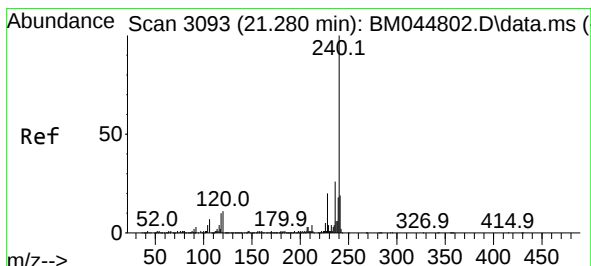
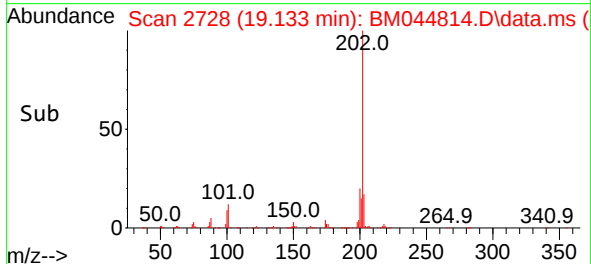
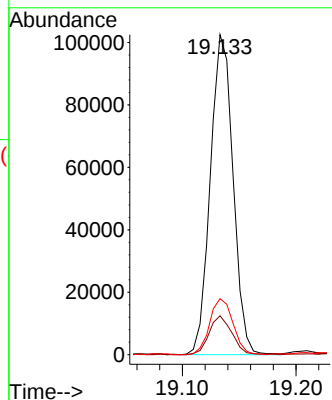
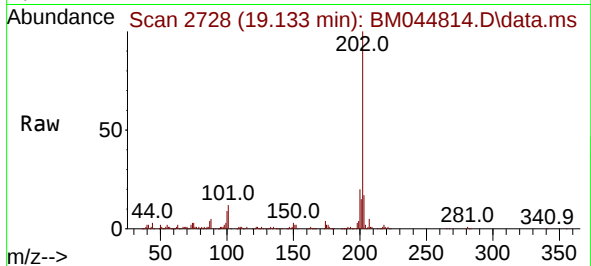




#75
Fluoranthene
Concen: 5.827 ng
RT: 19.133 min Scan# 21
Delta R.T. -0.011 min
Lab File: BM044814.D
Acq: 29 Mar 2024 13:11

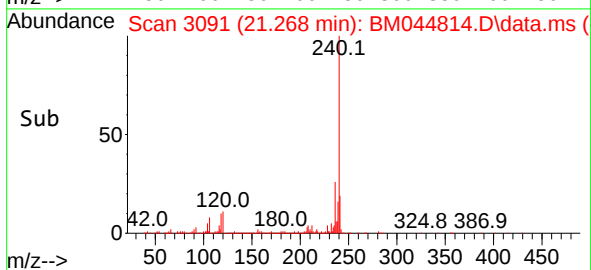
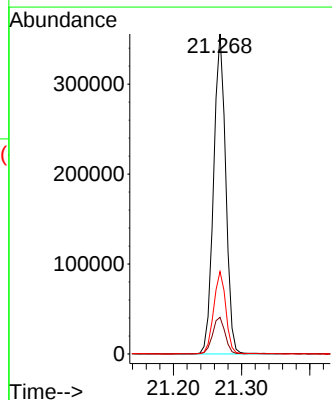
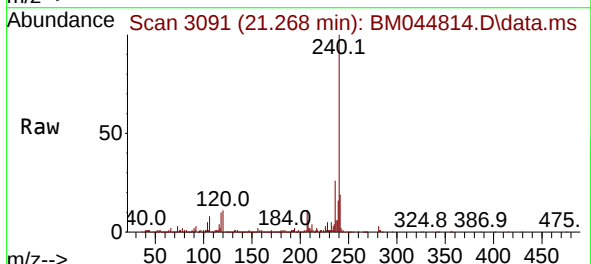
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BNA_M
ClientSampleId :

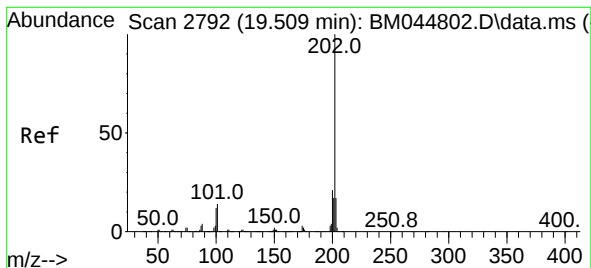
Tgt Ion:202 Resp: 142674
Ion Ratio Lower Upper
202 100
101 12.1 0.0 32.2
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.268 min Scan# 3091
Delta R.T. -0.011 min
Lab File: BM044814.D
Acq: 29 Mar 2024 13:11

Tgt Ion:240 Resp: 441360
Ion Ratio Lower Upper
240 100
120 11.4 8.6 12.8
236 25.8 20.8 31.2





#78

Pyrene

Concen: 4.913 ng

RT: 19.498 min Scan# 21

Delta R.T. -0.011 min

Lab File: BM044814.D

Acq: 29 Mar 2024 13:11

Instrument :

BNA_M

ClientSampleId :

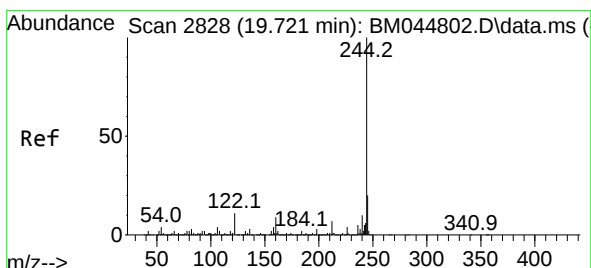
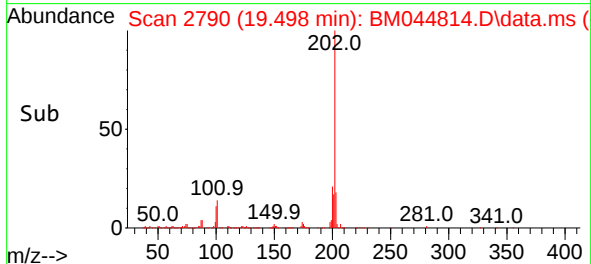
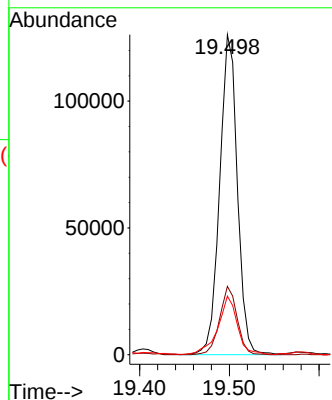
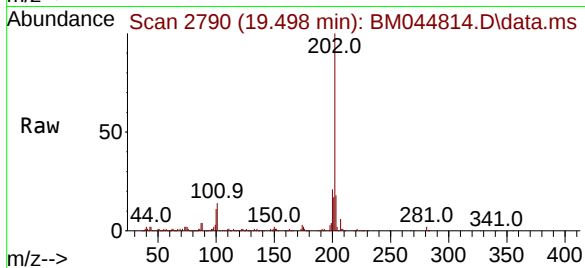
Tgt Ion:202 Resp: 172807

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 18.3 13.9 20.9



#79

Terphenyl-d14

Concen: 54.202 ng

RT: 19.715 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BM044814.D

Acq: 29 Mar 2024 13:11

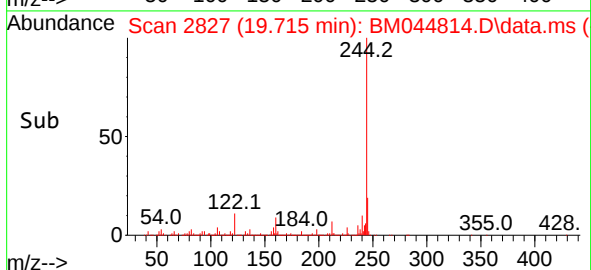
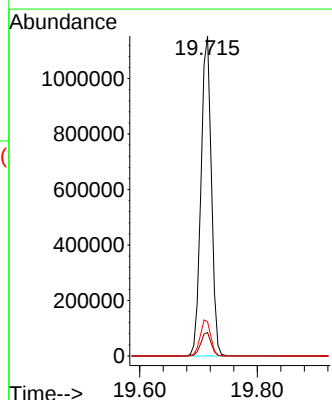
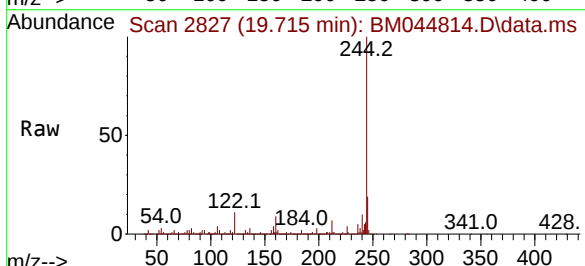
Tgt Ion:244 Resp: 1411598

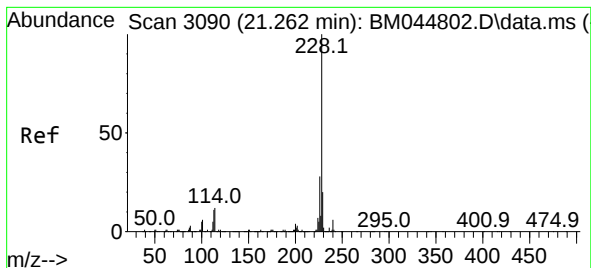
Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

122 10.7 8.8 13.2





#81

Benzo(a)anthracene

Concen: 2.819 ng

RT: 21.251 min Scan# 3088

Delta R.T. -0.011 min

Lab File: BM044814.D

Acq: 29 Mar 2024 13:11

Instrument :

BNA_M

ClientSampleId :

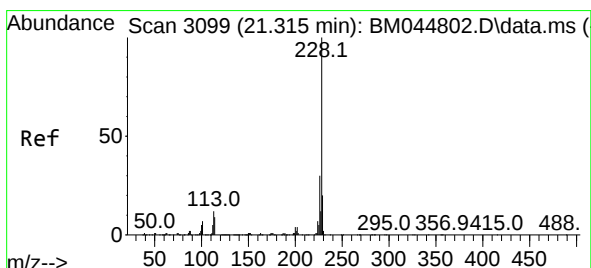
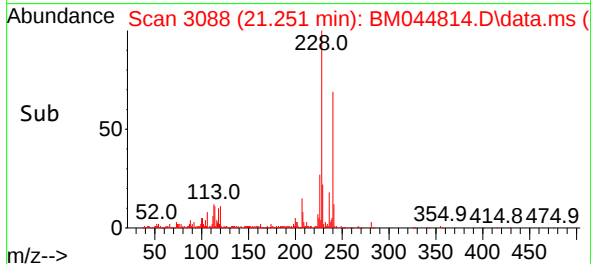
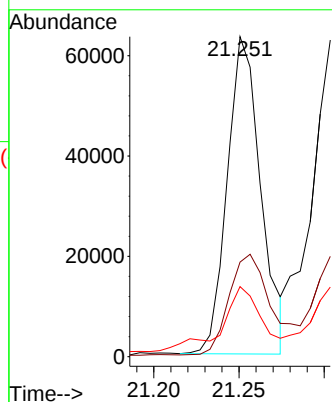
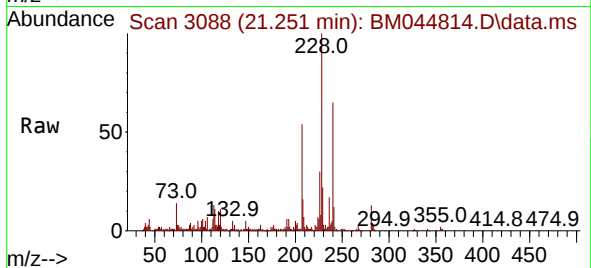
Tgt Ion:228 Resp: 86733

Ion Ratio Lower Upper

228 100

226 29.5 22.1 33.1

229 21.9 15.8 23.8



#83

Chrysene

Concen: 3.050 ng

RT: 21.304 min Scan# 3097

Delta R.T. -0.011 min

Lab File: BM044814.D

Acq: 29 Mar 2024 13:11

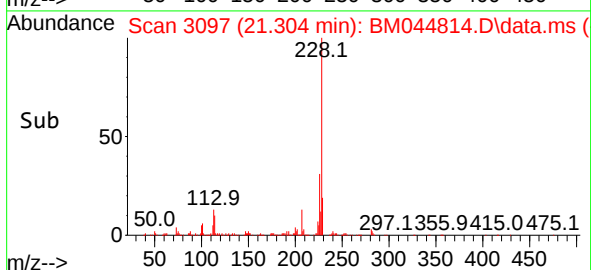
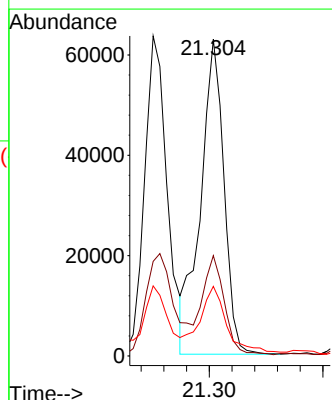
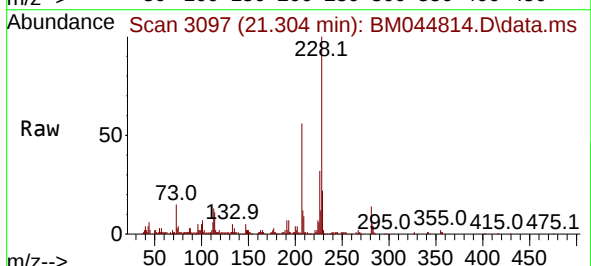
Tgt Ion:228 Resp: 89940

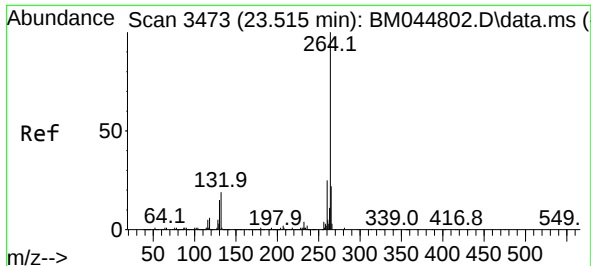
Ion Ratio Lower Upper

228 100

226 31.7 23.7 35.5

229 22.0 15.7 23.5

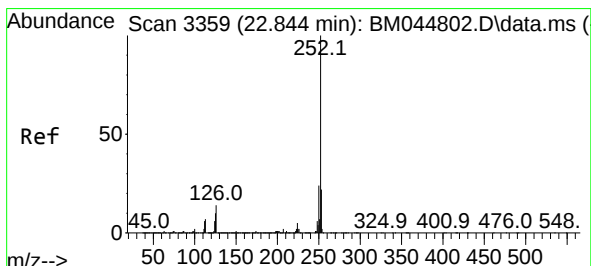
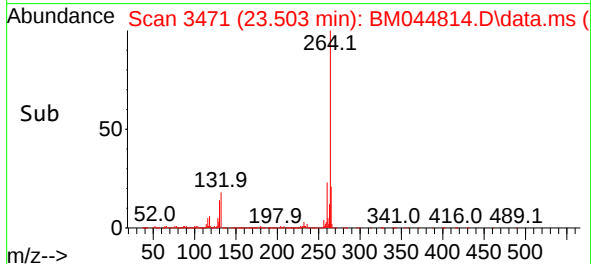
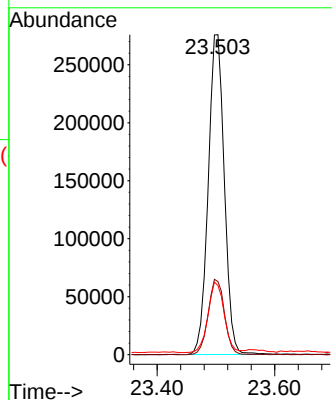
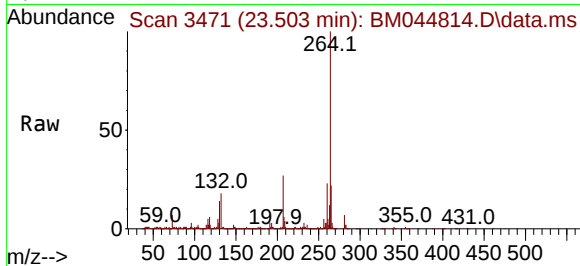




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.503 min Scan# 34
Delta R.T. -0.011 min
Lab File: BM044814.D
Acq: 29 Mar 2024 13:11

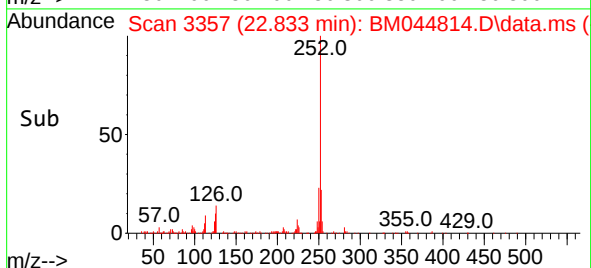
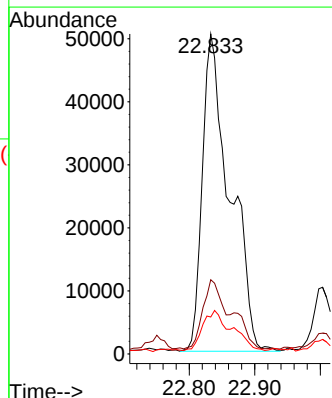
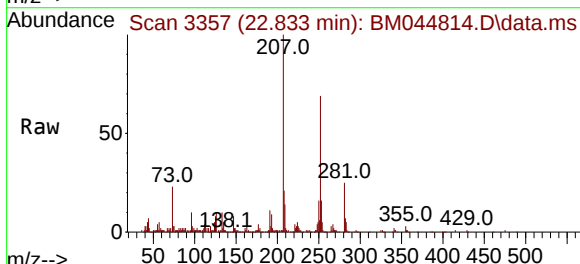
Instrument :
BNA_M
ClientSampleId :

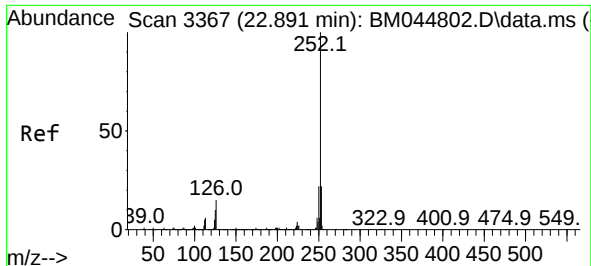
Tgt Ion:264 Resp: 525703
Ion Ratio Lower Upper
264 100
260 22.9 19.7 29.5
265 21.6 18.9 28.3



#88
Benzo(b)fluoranthene
Concen: 4.931 ng
RT: 22.833 min Scan# 3357
Delta R.T. -0.011 min
Lab File: BM044814.D
Acq: 29 Mar 2024 13:11

Tgt Ion:252 Resp: 146898
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 11.5 8.6 12.8

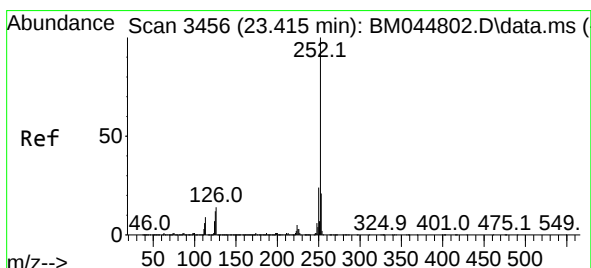
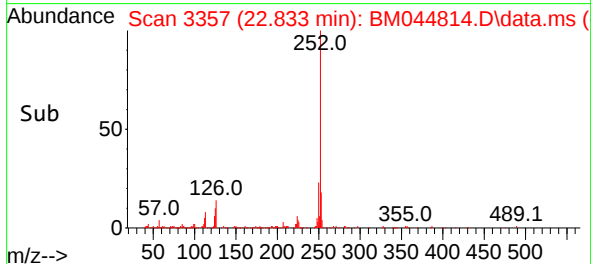
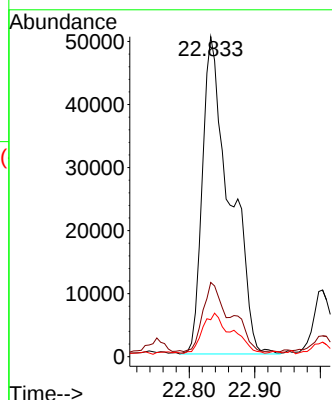
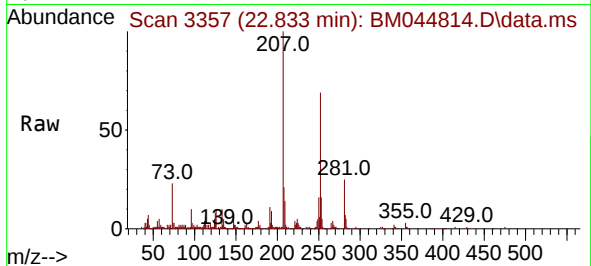




#89
Benzo(k)fluoranthene
Concen: 4.911 ng
RT: 22.833 min Scan# 31
Delta R.T. -0.059 min
Lab File: BM044814.D
Acq: 29 Mar 2024 13:11

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 146898
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 11.5 8.3 12.5



#90
Benzo(a)pyrene
Concen: 2.846 ng
RT: 23.403 min Scan# 3454
Delta R.T. -0.011 min
Lab File: BM044814.D
Acq: 29 Mar 2024 13:11

Tgt Ion:252 Resp: 86053
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 14.2 9.8 14.8

