

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030624\
 Data File : BM044514.D
 Acq On : 06 Mar 2024 12:53
 Operator : MA/JU
 Sample : P1642-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA2

Quant Time: Mar 06 13:25:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM030524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 05 23:05:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	232674	20.000	ng/u1	0.00
20) Naphthalene-d8	10.516	136	1013412	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.368	164	640418	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.121	188	1332156	20.000	ng/u1	0.00
79) Chrysene-d12	21.309	240	1183158	20.000	ng/u1	0.00
88) Perylene-d12	23.562	264	1224723	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.287	96	42109	6.138	ng/uL	0.00
4) Pyridine-d5	3.681	84	648592	32.122	ng/u1	0.00
7) Phenol-d5	6.904	99	883688	36.941	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.081	67	570490	38.609	ng/u1	0.00
11) 2-Chlorophenol-d4	7.269	132	663336	37.734	ng/u1	0.00
15) 4-Methylphenol-d8	8.439	113	698052	37.157	ng/u1	0.00
21) Nitrobenzene-d5	8.892	128	349293	40.932	ng/u1	0.00
24) 2-Nitrophenol-d4	9.610	143	392319	42.646	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.139	165	646971	41.322	ng/u1	0.00
31) 4-Chloroaniline-d4	10.663	131	960680	36.945	ng/u1	0.00
46) Dimethylphthalate-d6	13.792	166	2087413	41.552	ng/u1	0.00
49) Acenaphthylene-d8	14.063	160	2421015	42.139	ng/u1	0.00
54) 4-Nitrophenol-d4	14.580	143	377154	36.202	ng/u1	0.00
60) Fluorene-d10	15.368	176	1821069	43.136	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.492	200	335273	38.772	ng/u1	0.00
73) Anthracene-d10	17.221	188	2764950	43.422	ng/u1	0.00
81) Pyrene-d10	19.515	212	3216446	44.324	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.421	264	2861034	44.445	ng/u1	0.00
Target Compounds						
					Qvalue	
10) Bis(2-Chloroethyl)ether	7.175	93	1745725	87.081	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.539	70	512980	34.077	ng/u1	96
19) Hexachloroethane	8.792	117	510955	68.795	ng/u1	94
22) Nitrobenzene	8.939	77	1649508	81.508	ng/u1	99
23) Isophorone	9.463	82	7084642	171.589	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.945	93	4611945	177.611	ng/u1	98
30) Naphthalene	10.569	128	7634083	133.005	ng/u1	100
33) Hexachlorobutadiene	10.833	225	1524666	174.031	ng/u1	98
36) 2-Methylnaphthalene	12.180	142	2919384	76.487	ng/u1	99
40) Hexachlorocyclopentadiene	12.516	237	1196633	98.941	ng/u1	100
44) 2-Chloronaphthalene	13.245	162	4158985	104.215	ng/u1	99
47) Dimethylphthalate	13.839	163	2812754	55.023	ng/u1	100
48) 2,6-Dinitrotoluene	13.963	165	232559	22.776	ng/u1	100
50) Acenaphthylene	14.092	152	2978501	44.480	ng/u1	99
59) Diethylphthalate	15.210	149	3277635	61.781	ng/u1	99
61) Fluorene	15.421	166	1991829	41.591	ng/u1	99
62) 4-Chlorophenyl-phenyle...	15.427	204	3865498	173.906	ng/u1	100
68) 4-Bromophenyl-phenylether	16.321	248	1412057	105.975	ng/u1	97
69) Hexachlorobenzene	16.421	284	1502300	98.986	ng/u1	94
72) Phenanthrene	17.162	178	3502641	46.350	ng/u1	99
74) Anthracene	17.257	178	4112137	53.805	ng/u1	99
78) Di-n-butylphthalate	18.104	149	6634730	68.682	ng/u1	99
87) Chrysene	21.345	228	3761869	45.732	ng/u1	99
89) Di-n-octyl phthalate	22.127	149	3632668	33.143	ng/u1	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030624\
Data File : BM044514.D
Acq On : 06 Mar 2024 12:53
Operator : MA/JU
Sample : P1642-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA2

Quant Time: Mar 06 13:25:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM030524.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 05 23:05:11 2024
Response via : Initial Calibration

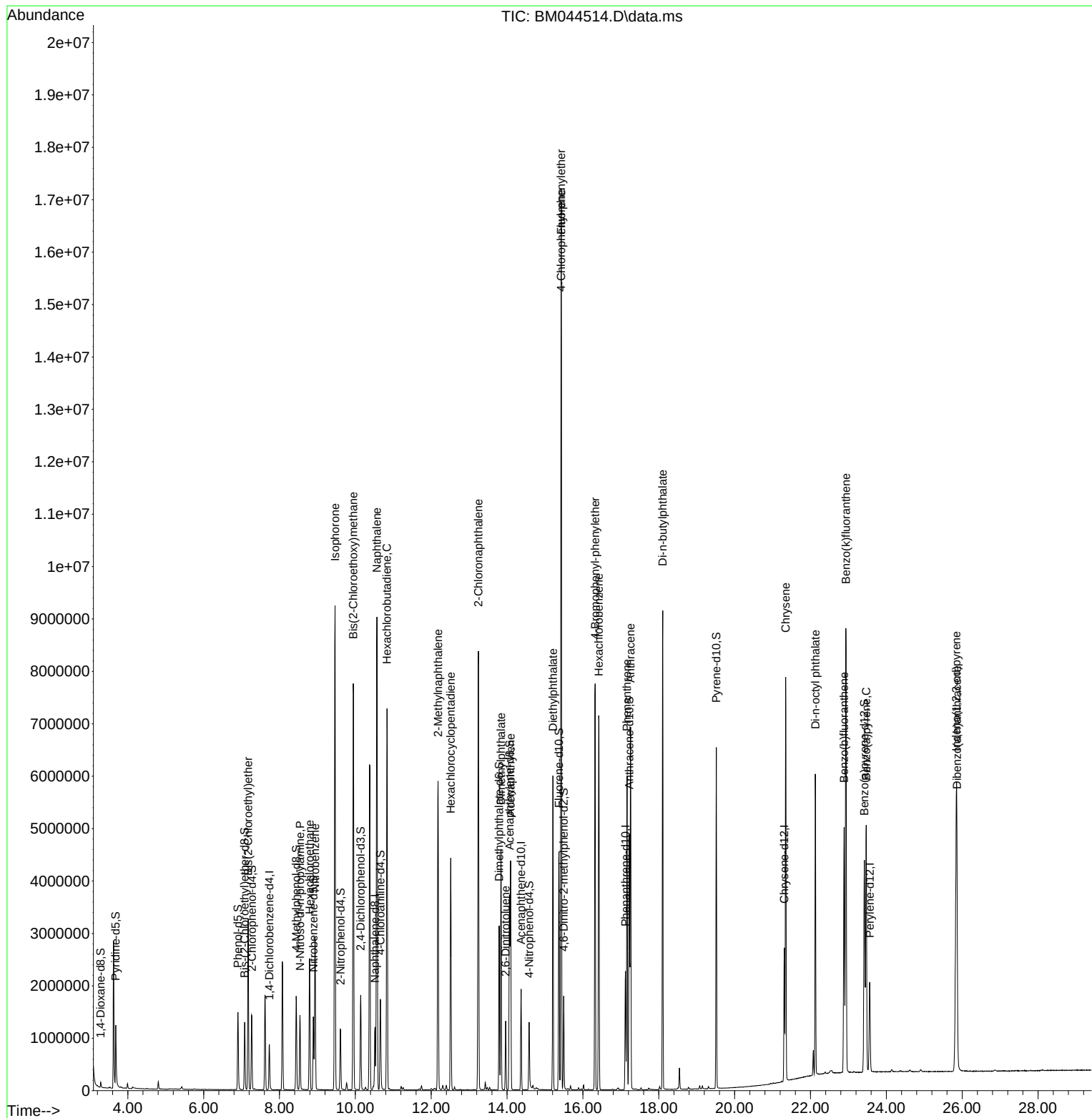
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(b)fluoranthene	22.886	252	3020712	36.860	ng/ul	100
91) Benzo(k)fluoranthene	22.933	252	5796440	72.218	ng/ul	99
93) Benzo(a)pyrene	23.468	252	3290400	42.922	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	25.844	276	4959128	57.676	ng/ul	97
95) Dibenzo(a,h)anthracene	25.862	278	2141161	29.865	ng/ul	98

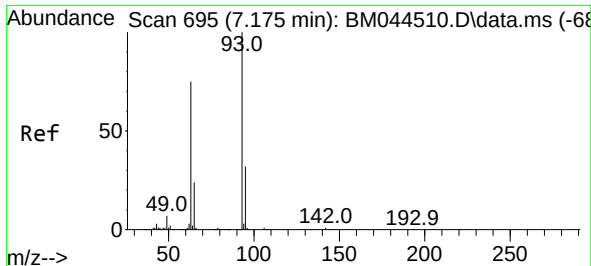
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030624\
 Data File : BM044514.D
 Acq On : 06 Mar 2024 12:53
 Operator : MA/JU
 Sample : P1642-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA2

Quant Time: Mar 06 13:25:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM030524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 05 23:05:11 2024
 Response via : Initial Calibration



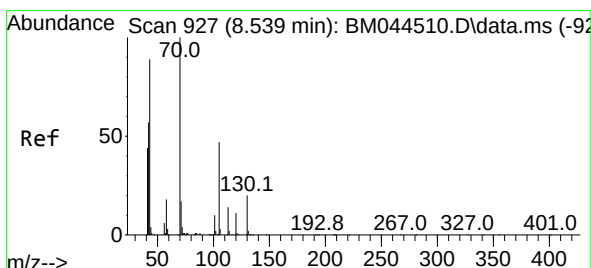
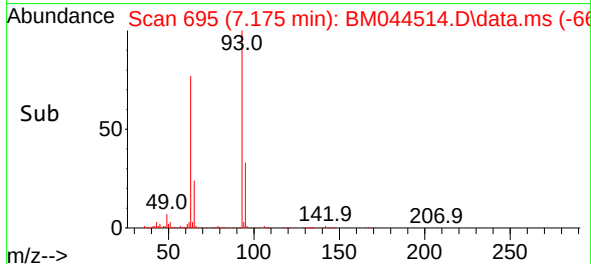
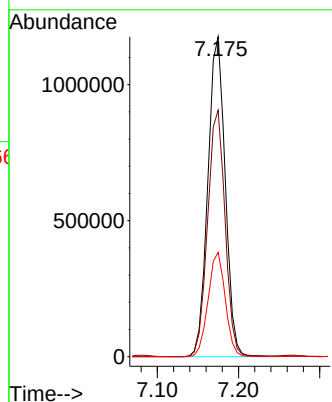
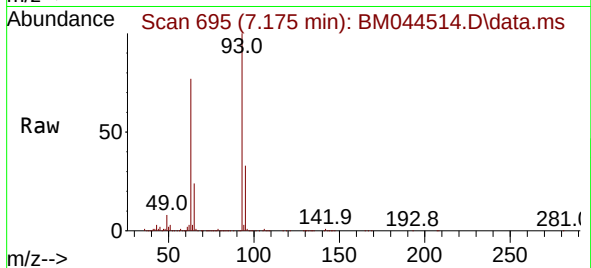


#10
Bis(2-Chloroethyl)ether
Concen: 87.081 ng/ul
RT: 7.175 min Scan# 695
Delta R.T. 0.000 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

Instrument :
BNA_M
ClientSampleId :
C0AA2

Tgt Ion: 93 Resp: 1745725

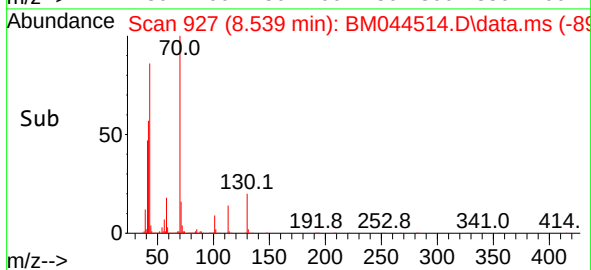
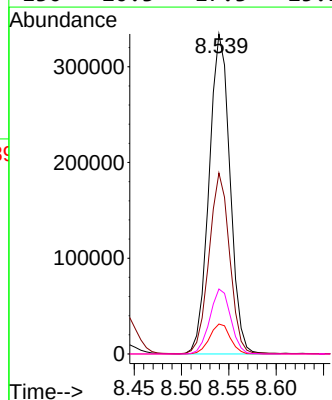
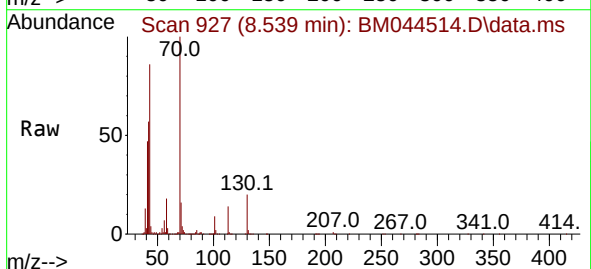
Ion	Ratio	Lower	Upper
93	100		
63	77.0	60.2	90.4
95	32.6	26.8	40.2

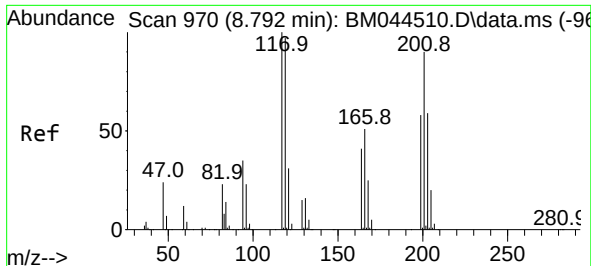


#17
N-Nitroso-di-n-propylamine
Concen: 34.077 ng/ul
RT: 8.539 min Scan# 927
Delta R.T. -0.006 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

Tgt Ion: 70 Resp: 512980

Ion	Ratio	Lower	Upper
70	100		
42	56.6	42.7	64.1
101	9.4	7.1	10.7
130	20.3	17.3	25.9

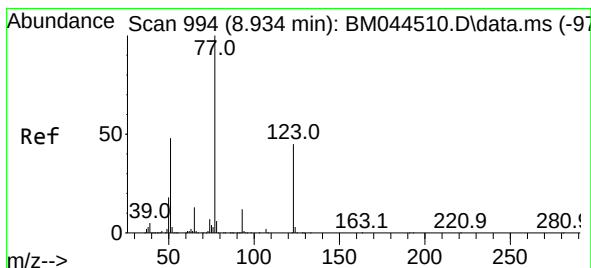
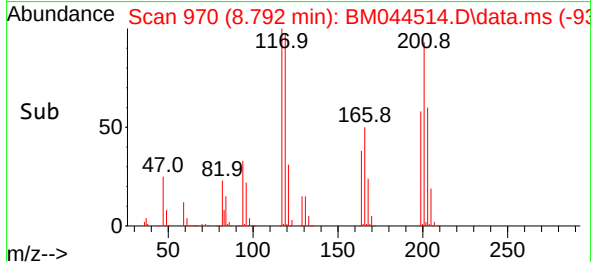
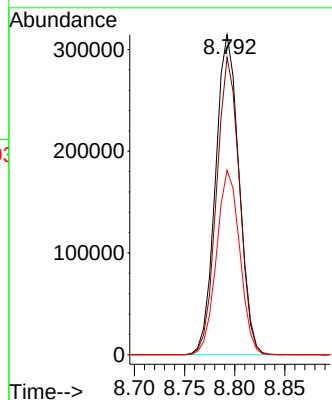
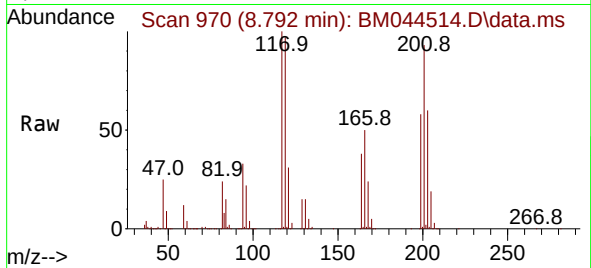




#19
Hexachloroethane
Concen: 68.795 ng/ul
RT: 8.792 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

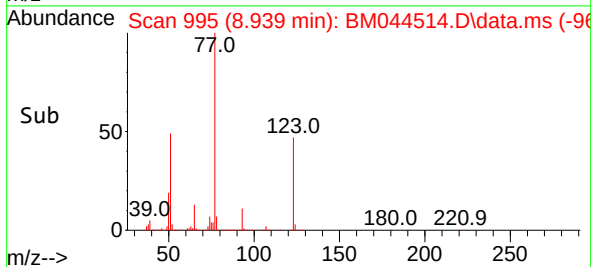
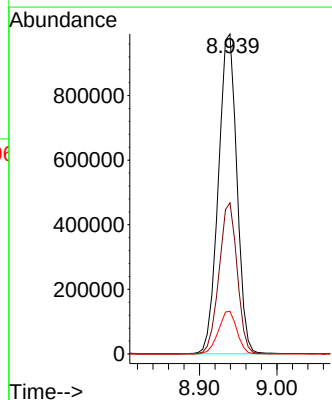
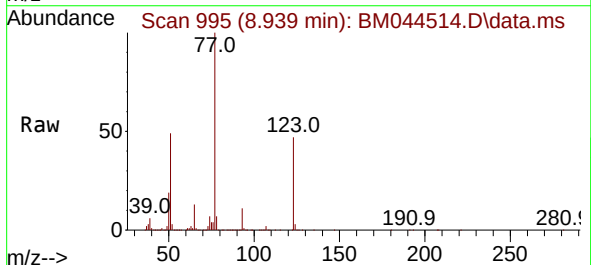
Instrument :
BNA_M
ClientSampleId :
C0AA2

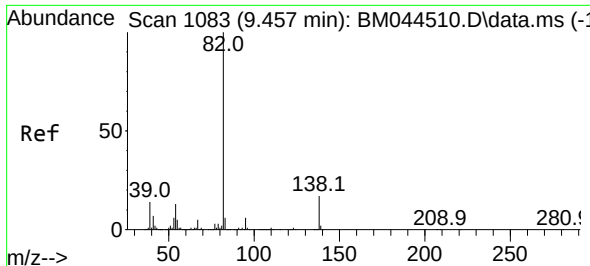
Tgt Ion:117 Resp: 510955
Ion Ratio Lower Upper
117 100
201 92.9 69.0 103.6
199 57.6 44.4 66.6



#22
Nitrobenzene
Concen: 81.508 ng/ul
RT: 8.939 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

Tgt Ion: 77 Resp: 1649508
Ion Ratio Lower Upper
77 100
123 47.3 38.2 57.2
65 13.3 10.2 15.2

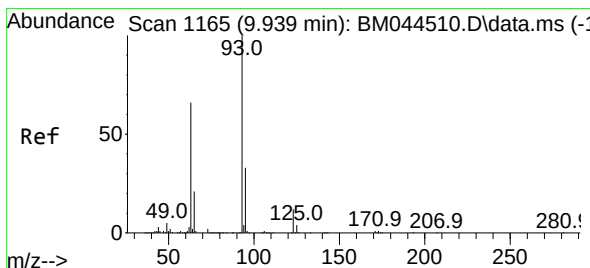
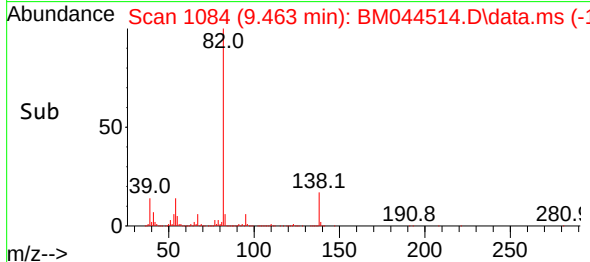
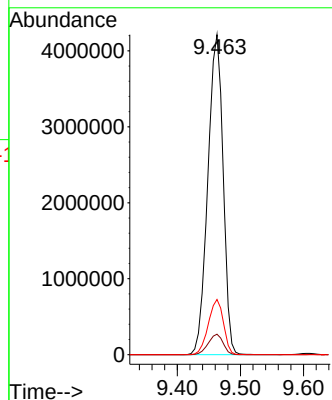
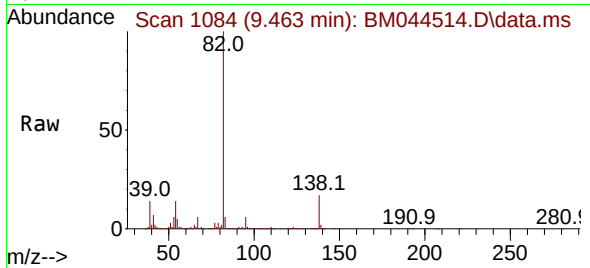




#23
Isophorone
Concen: 171.589 ng/ul
RT: 9.463 min Scan# 1083
Delta R.T. 0.006 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

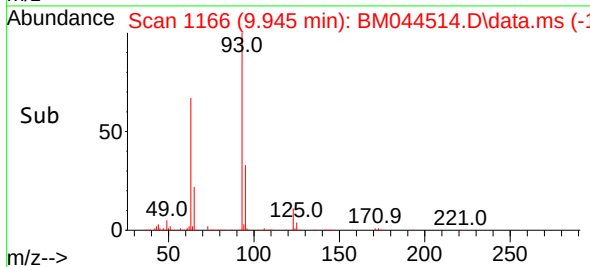
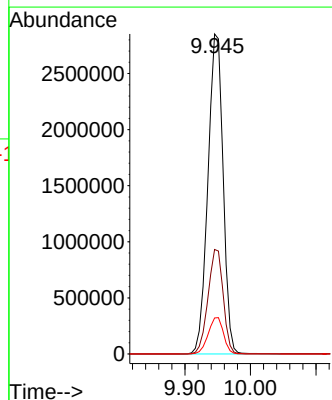
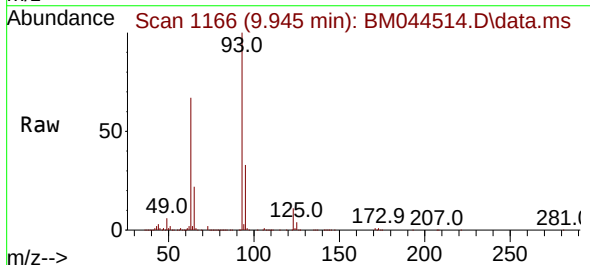
Instrument :
BNA_M
ClientSampleId :
C0AA2

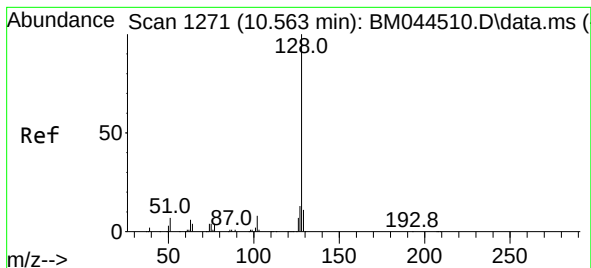
Tgt Ion: 82 Resp: 7084642
Ion Ratio Lower Upper
82 100
95 6.4 4.7 7.1
138 17.3 14.1 21.1



#27
Bis(2-Chloroethoxy)methane
Concen: 177.611 ng/ul
RT: 9.945 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

Tgt Ion: 93 Resp: 4611945
Ion Ratio Lower Upper
93 100
95 32.7 25.3 37.9
123 11.2 9.3 13.9

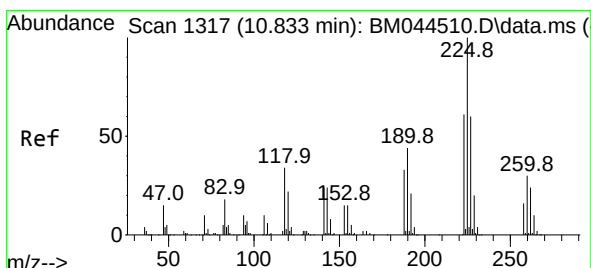
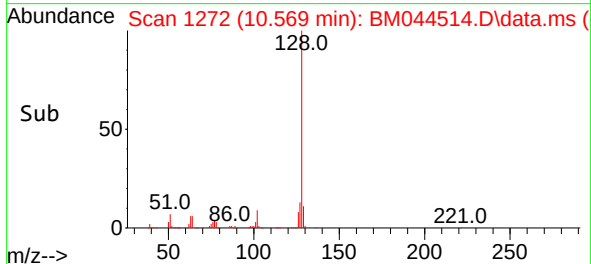
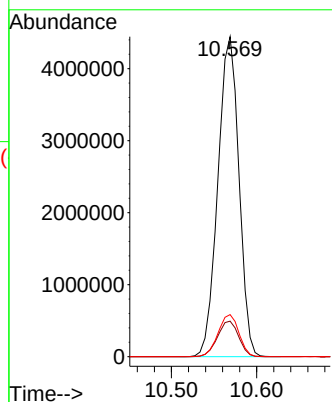
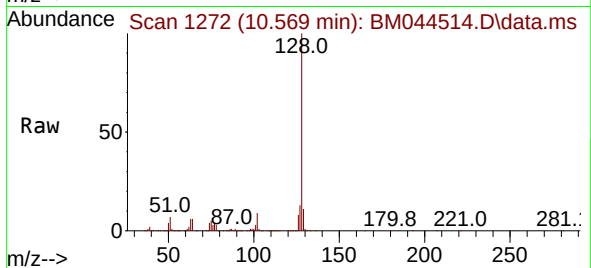




#30
Naphthalene
Concen: 133.005 ng/ul
RT: 10.569 min Scan# 1271
Delta R.T. 0.006 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

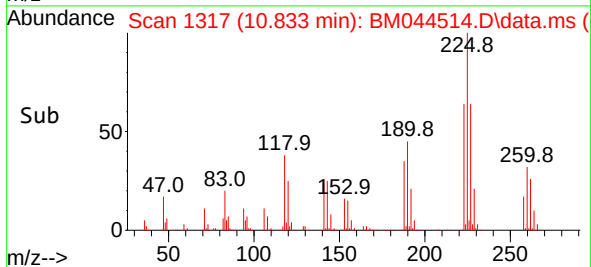
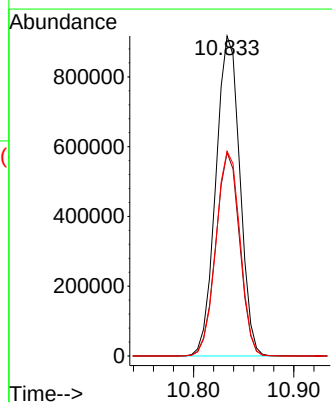
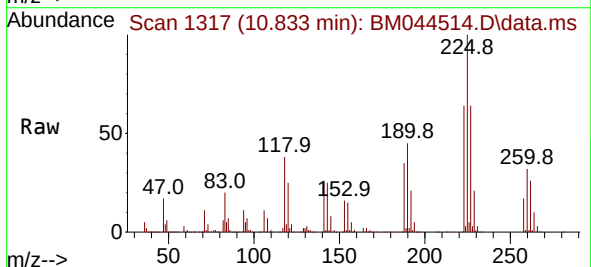
Instrument :
BNA_M
ClientSampleId :
C0AA2

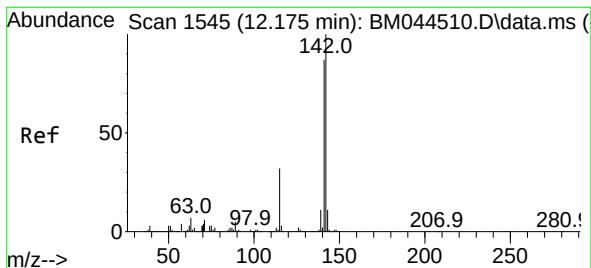
Tgt Ion:128 Resp: 7634083
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.2 10.5 15.7



#33
Hexachlorobutadiene
Concen: 174.031 ng/ul
RT: 10.833 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

Tgt Ion:225 Resp: 1524666
Ion Ratio Lower Upper
225 100
223 63.6 50.1 75.1
227 64.0 49.2 73.8

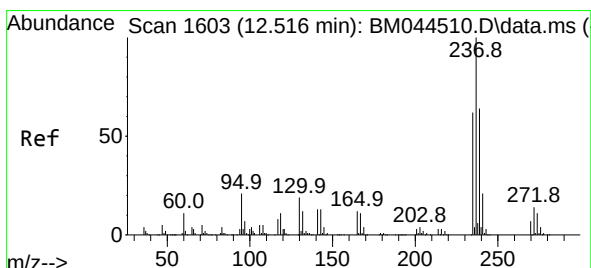
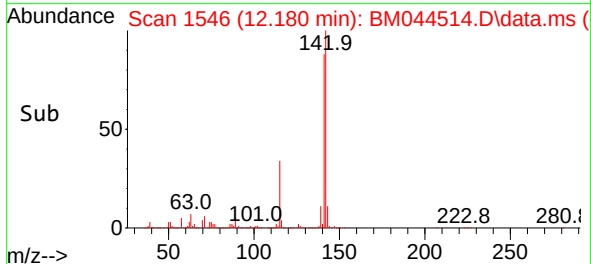
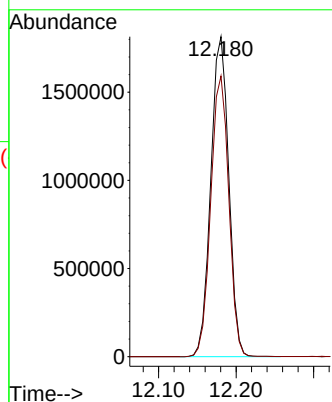
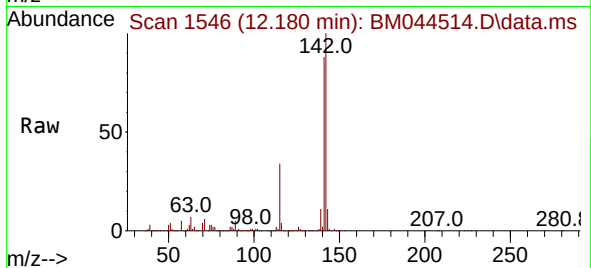




#36
2-Methylnaphthalene
Concen: 76.487 ng/ul
RT: 12.180 min Scan# 1545
Delta R.T. 0.000 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

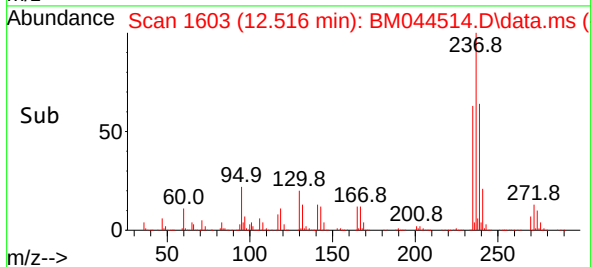
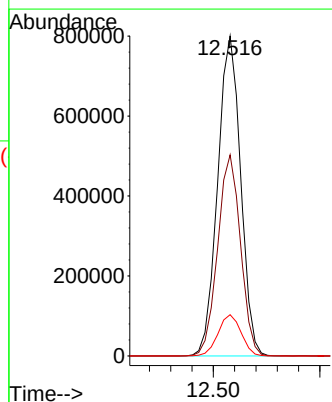
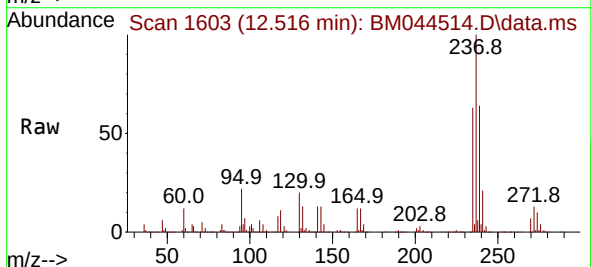
Instrument :
BNA_M
ClientSampleId :
C0AA2

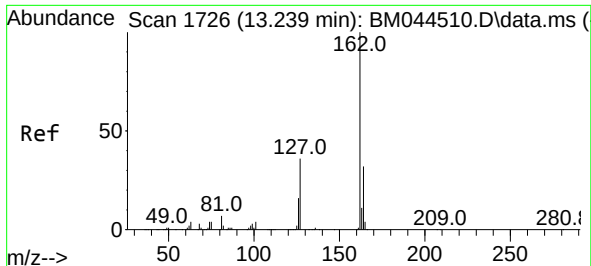
Tgt Ion:142 Resp: 2919384
Ion Ratio Lower Upper
142 100
141 87.7 71.1 106.7



#40
Hexachlorocyclopentadiene
Concen: 98.941 ng/ul
RT: 12.516 min Scan# 1603
Delta R.T. 0.000 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

Tgt Ion:237 Resp: 1196633
Ion Ratio Lower Upper
237 100
235 62.8 50.1 75.1
272 12.9 10.2 15.2

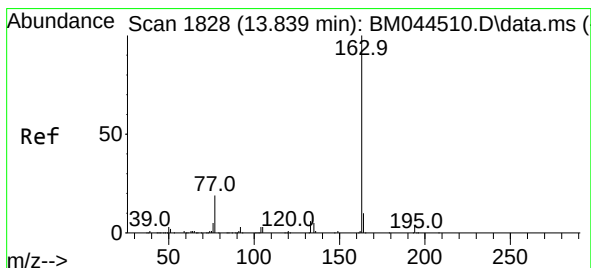
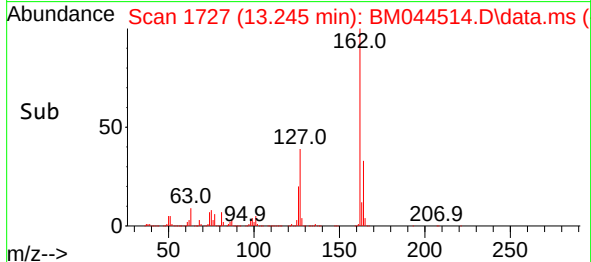
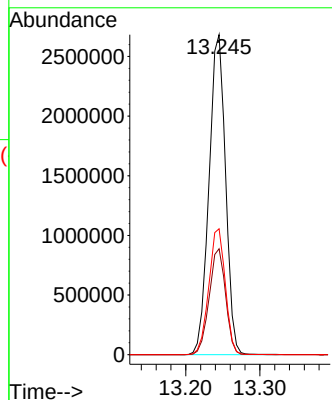
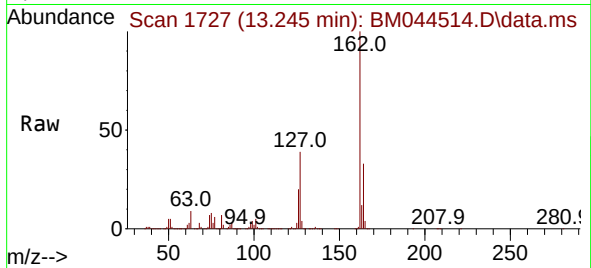




#44
2-Chloronaphthalene
Concen: 104.215 ng/ul
RT: 13.245 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

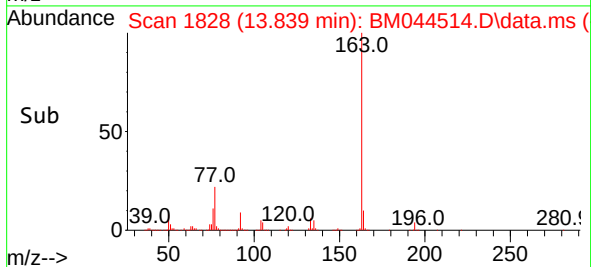
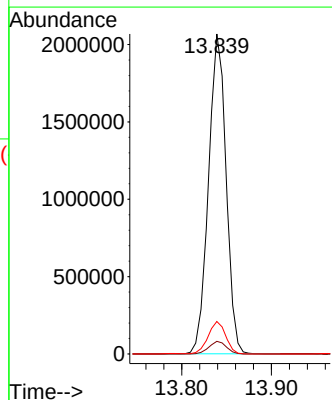
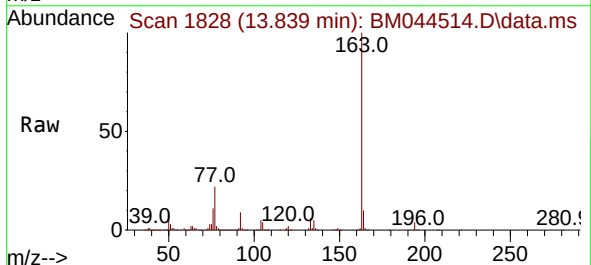
Instrument :
BNA_M
ClientSampleId :
C0AA2

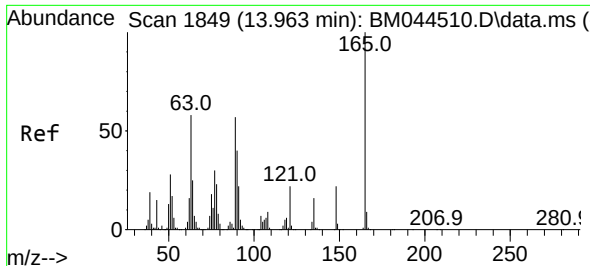
Tgt Ion:162 Resp: 4158985
Ion Ratio Lower Upper
162 100
164 33.1 25.6 38.4
127 39.3 31.4 47.0



#47
Dimethylphthalate
Concen: 55.023 ng/ul
RT: 13.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

Tgt Ion:163 Resp: 2812754
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.2 8.0 12.0

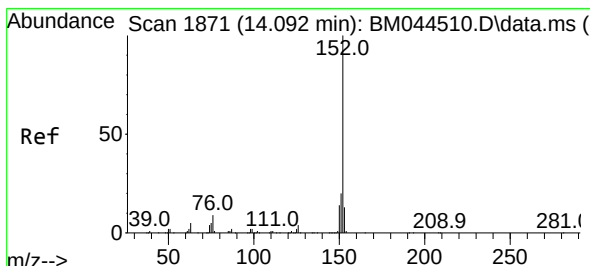
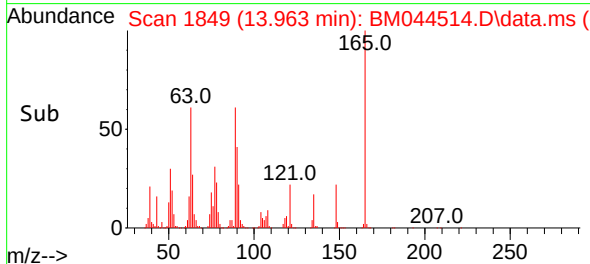
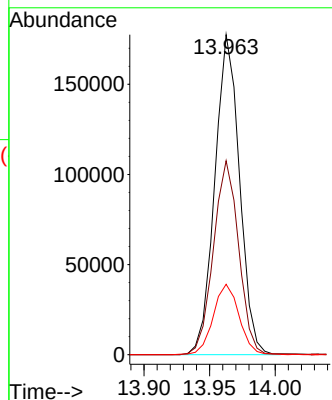
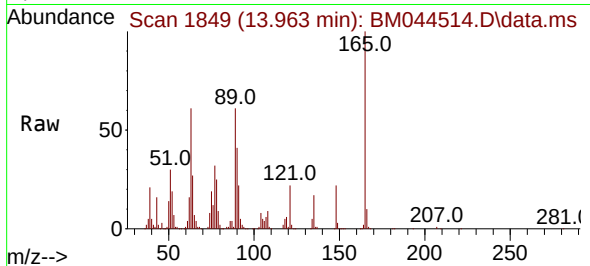




#48
2,6-Dinitrotoluene
Concen: 22.776 ng/ul
RT: 13.963 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

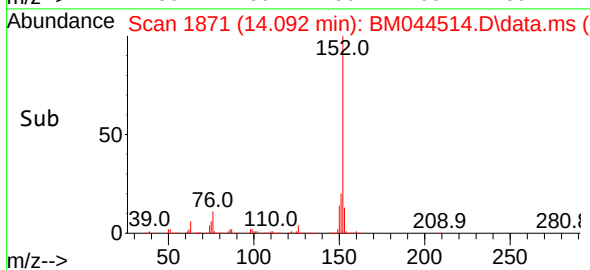
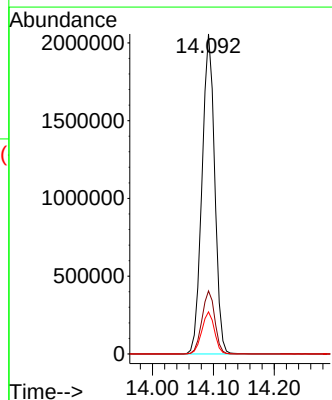
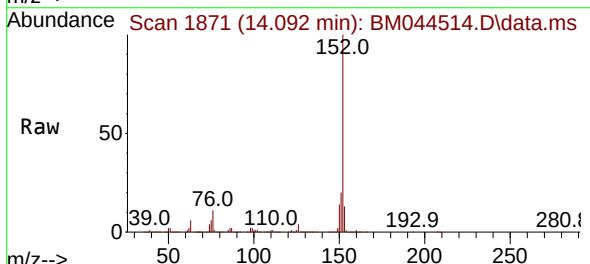
Instrument :
BNA_M
ClientSampleId :
C0AA2

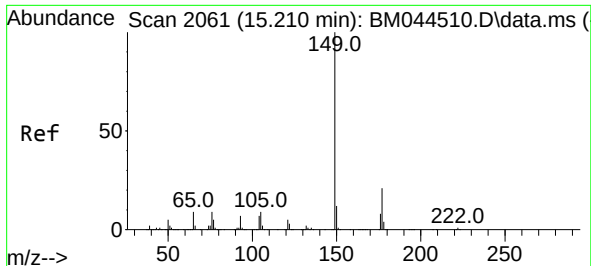
Tgt Ion:165 Resp: 232559
Ion Ratio Lower Upper
165 100
89 60.6 48.4 72.6
121 22.0 17.7 26.5



#50
Acenaphthylene
Concen: 44.480 ng/ul
RT: 14.092 min Scan# 1871
Delta R.T. 0.000 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

Tgt Ion:152 Resp: 2978501
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.2
153 13.1 10.6 15.8

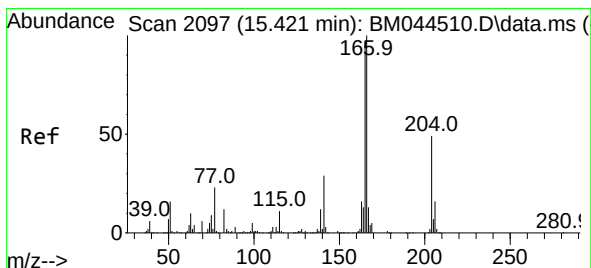
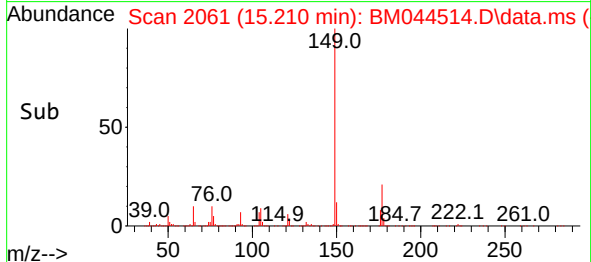
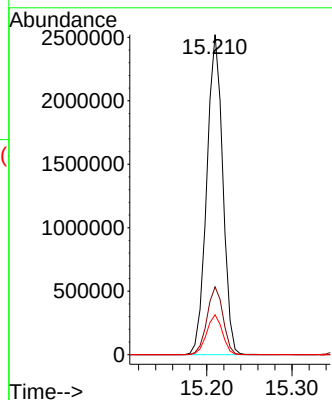
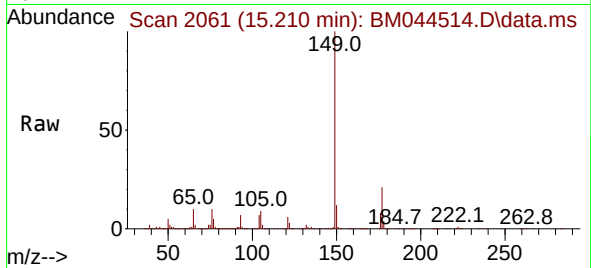




#59
Diethylphthalate
Concen: 61.781 ng/ul
RT: 15.210 min Scan# 2061
Delta R.T. 0.000 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

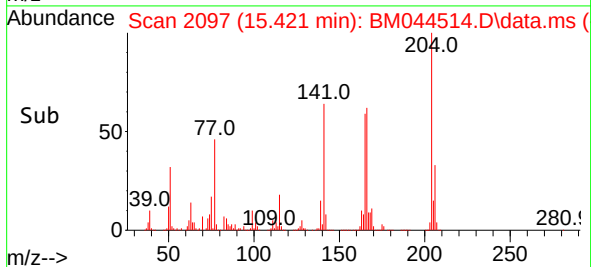
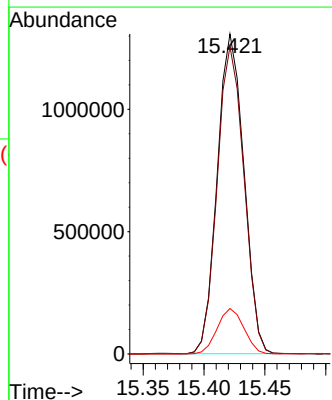
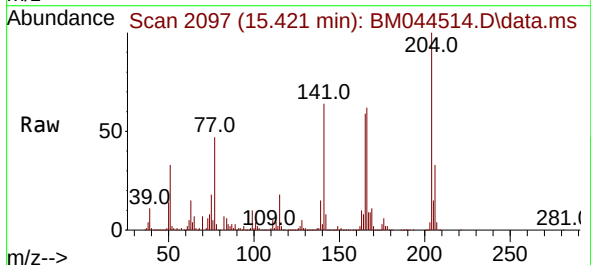
Instrument :
BNA_M
ClientSampleId :
C0AA2

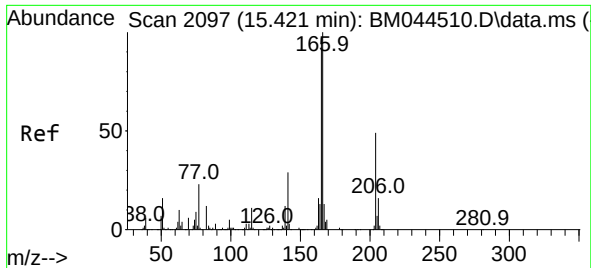
Tgt Ion:149 Resp: 3277635
Ion Ratio Lower Upper
149 100
177 21.2 16.6 24.8
150 12.5 9.9 14.9



#61
Fluorene
Concen: 41.591 ng/ul
RT: 15.421 min Scan# 2097
Delta R.T. 0.000 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

Tgt Ion:166 Resp: 1991829
Ion Ratio Lower Upper
166 100
165 96.1 77.3 115.9
167 14.2 10.6 16.0

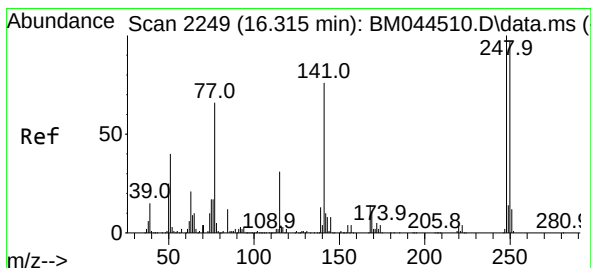
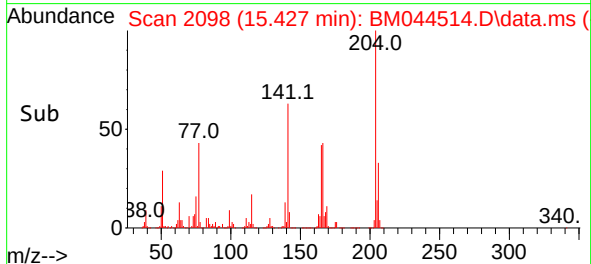
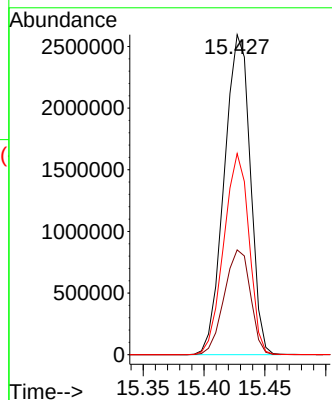
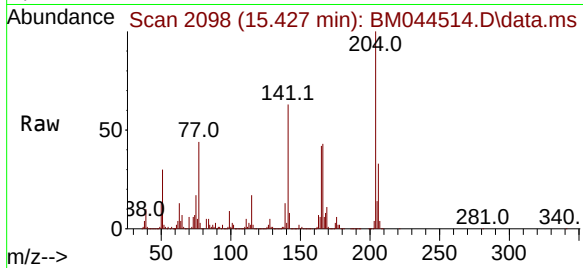




#62
4-Chlorophenyl-phenylether
Concen: 173.906 ng/ul
RT: 15.427 min Scan# 2097
Delta R.T. 0.006 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

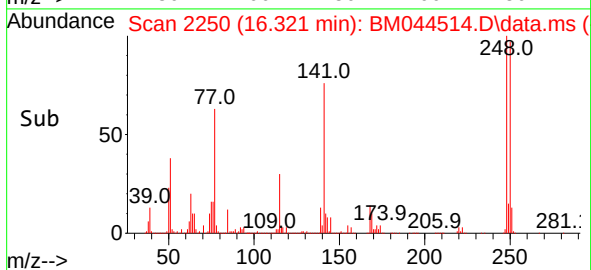
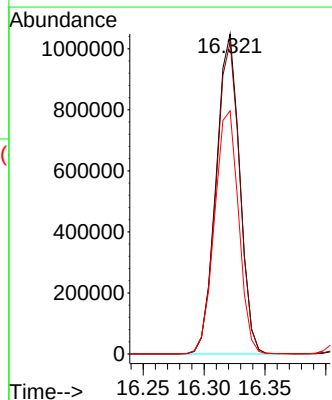
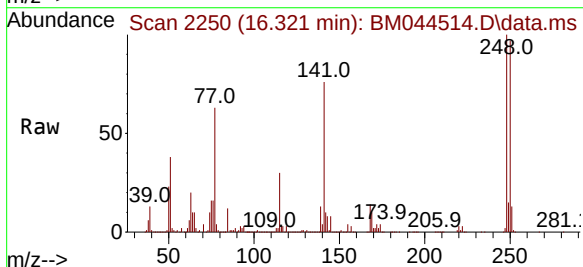
Instrument :
BNA_M
ClientSampleId :
C0AA2

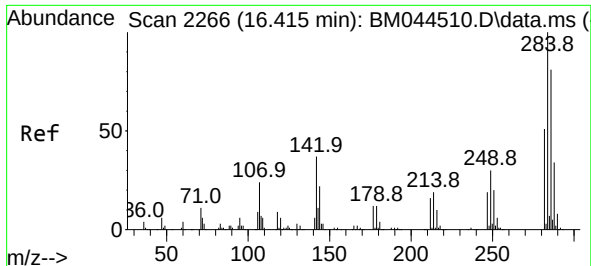
Tgt Ion:204 Resp: 3865498
Ion Ratio Lower Upper
204 100
206 32.7 26.1 39.1
141 62.9 50.3 75.5



#68
4-Bromophenyl-phenylether
Concen: 105.975 ng/ul
RT: 16.321 min Scan# 2250
Delta R.T. 0.006 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

Tgt Ion:248 Resp: 1412057
Ion Ratio Lower Upper
248 100
250 97.4 78.7 118.1
141 76.0 65.4 98.2

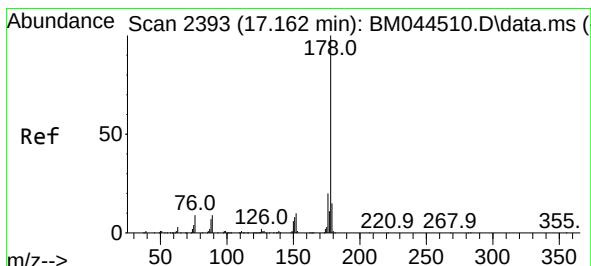
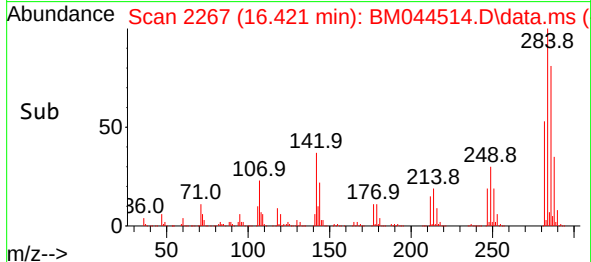
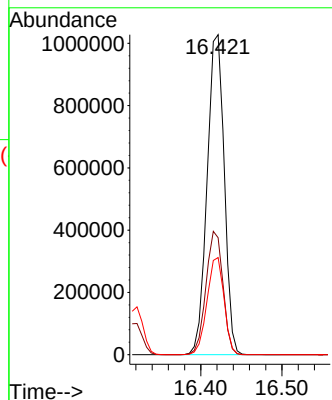
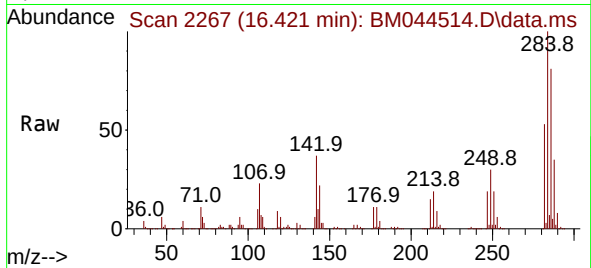




#69
Hexachlorobenzene
Concen: 98.986 ng/ul
RT: 16.421 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

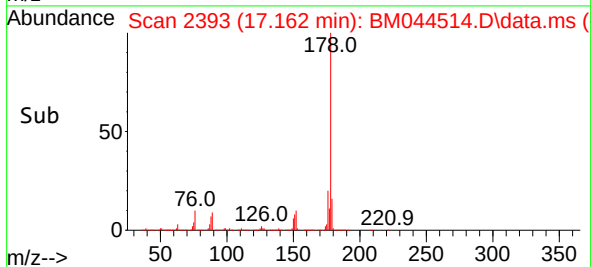
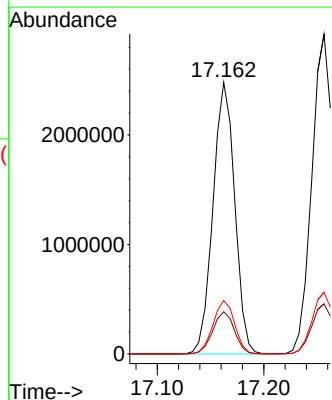
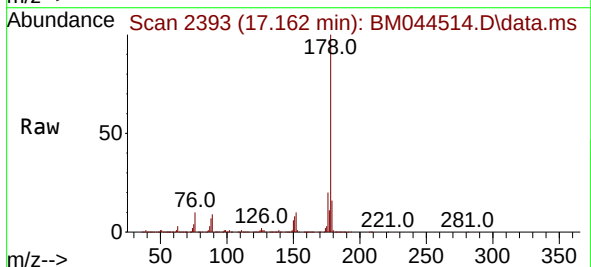
Instrument :
BNA_M
ClientSampleId :
C0AA2

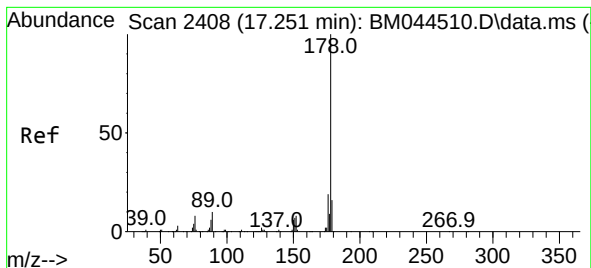
Tgt Ion:284 Resp: 1502300
Ion Ratio Lower Upper
284 100
142 36.6 33.7 50.5
249 30.4 24.8 37.2



#72
Phenanthrene
Concen: 46.350 ng/ul
RT: 17.162 min Scan# 2393
Delta R.T. 0.000 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

Tgt Ion:178 Resp: 3502641
Ion Ratio Lower Upper
178 100
179 15.6 12.3 18.5
176 19.7 15.4 23.2





#74

Anthracene

Concen: 53.805 ng/ul

RT: 17.257 min Scan# 2409

Delta R.T. 0.000 min

Lab File: BM044514.D

Acq: 06 Mar 2024 12:53

Instrument :

BNA_M

ClientSampleId :

C0AA2

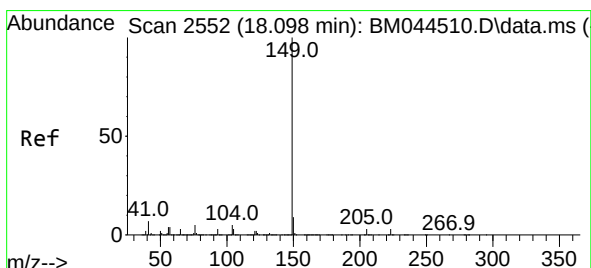
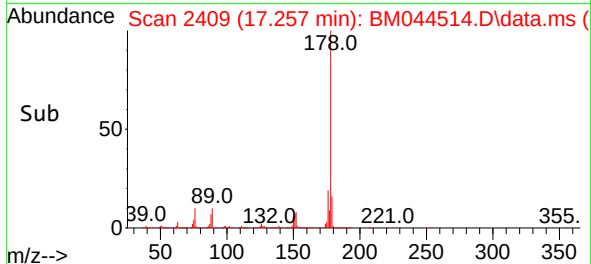
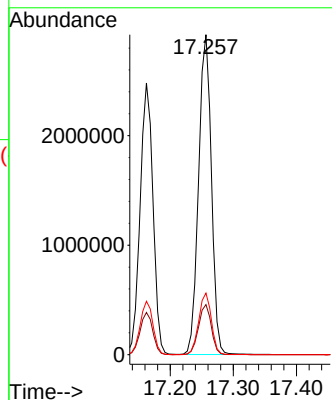
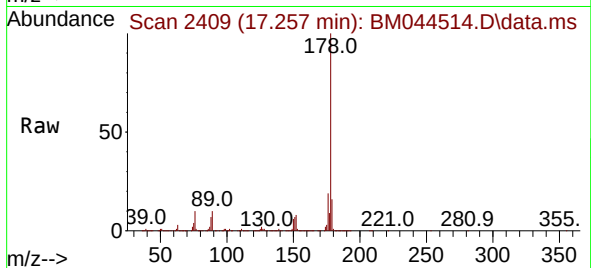
Tgt Ion:178 Resp: 4112137

Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

176 19.3 15.0 22.6



#78

Di-n-butylphthalate

Concen: 68.682 ng/ul

RT: 18.104 min Scan# 2553

Delta R.T. 0.000 min

Lab File: BM044514.D

Acq: 06 Mar 2024 12:53

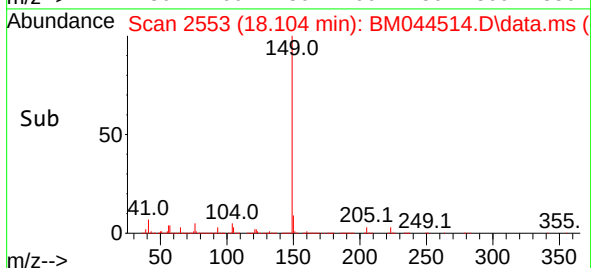
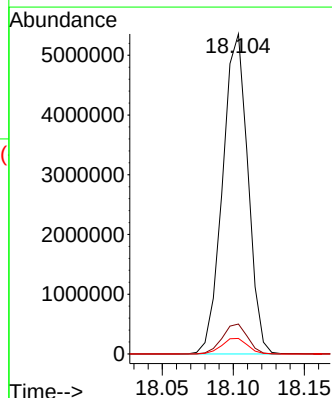
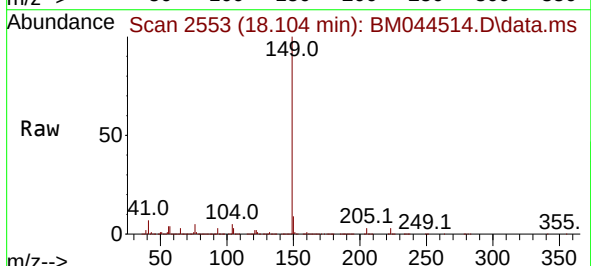
Tgt Ion:149 Resp: 6634730

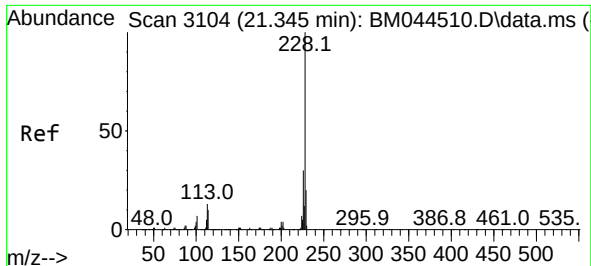
Ion Ratio Lower Upper

149 100

150 9.3 7.3 10.9

104 4.9 3.8 5.6

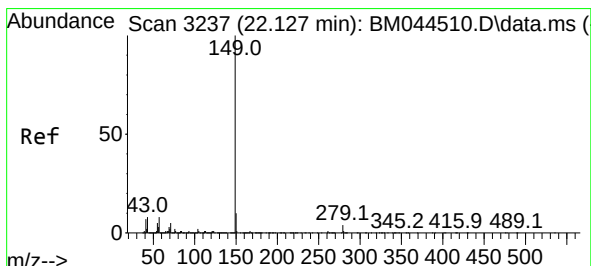
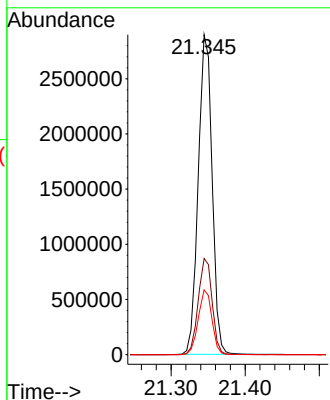
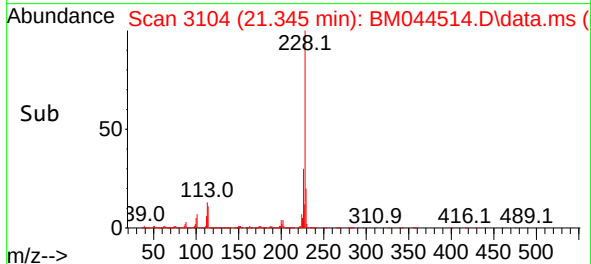
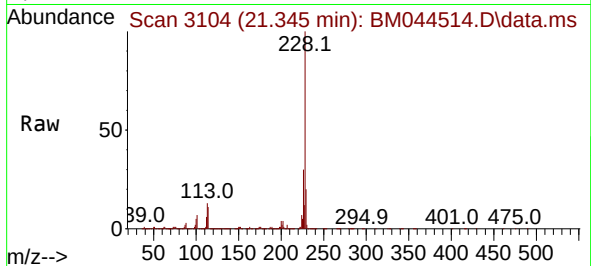




#87
Chrysene
Concen: 45.732 ng/ul
RT: 21.345 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

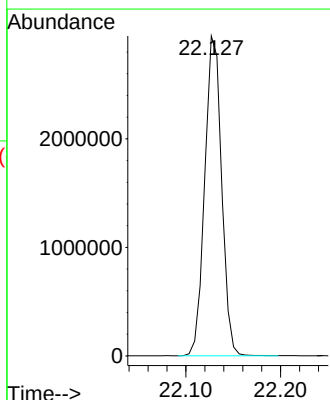
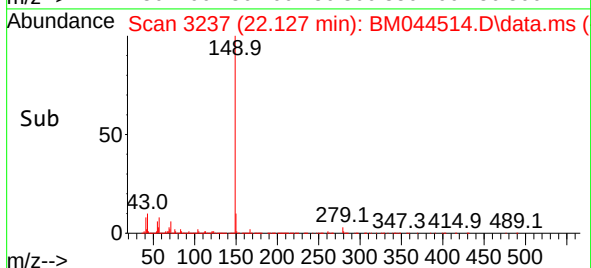
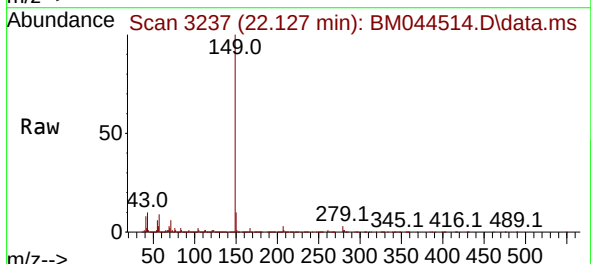
Instrument :
BNA_M
ClientSampleId :
C0AA2

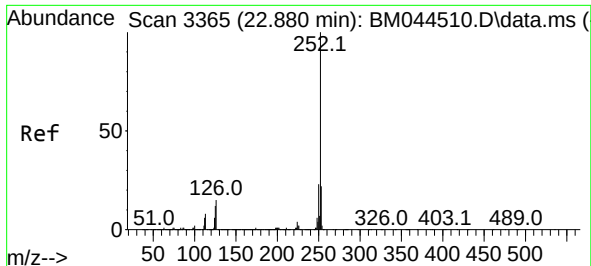
Tgt Ion:228 Resp: 3761869
Ion Ratio Lower Upper
228 100
226 30.0 23.9 35.9
229 20.3 15.5 23.3



#89
Di-n-octyl phthalate
Concen: 33.143 ng/ul
RT: 22.127 min Scan# 3237
Delta R.T. 0.000 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

Tgt Ion:149 Resp: 3632668

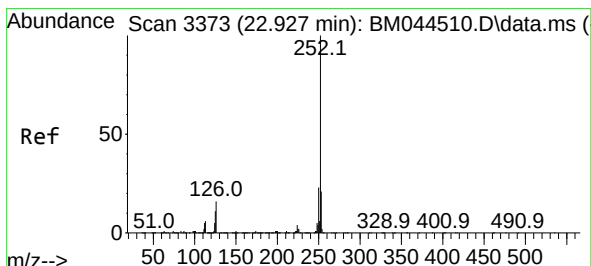
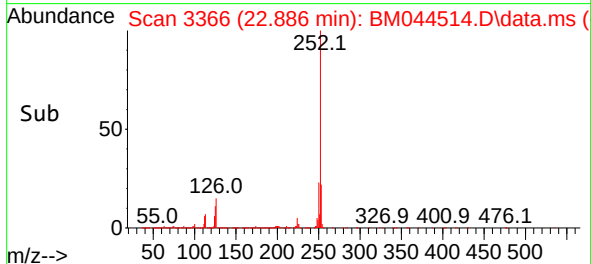
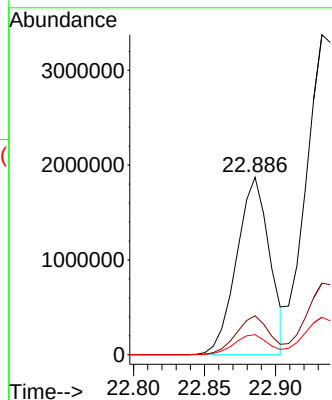
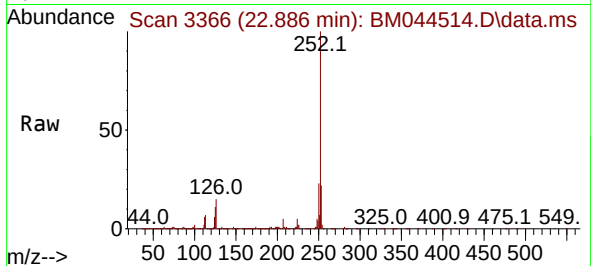




#90
Benzo(b)fluoranthene
Concen: 36.860 ng/ul
RT: 22.886 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

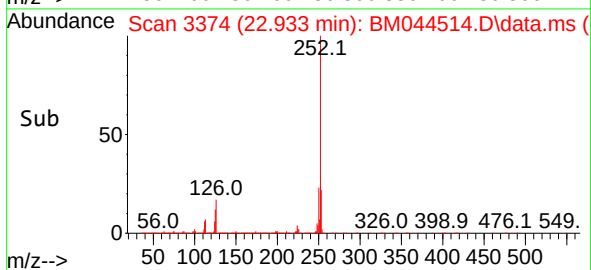
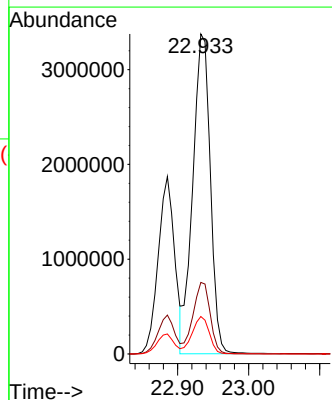
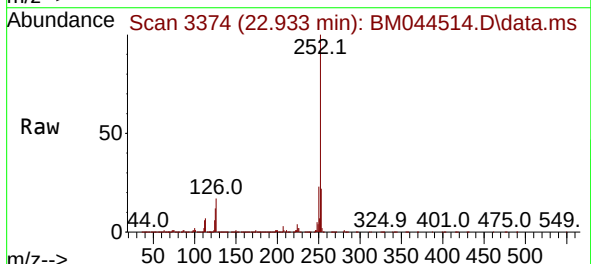
Instrument :
BNA_M
ClientSampleId :
C0AA2

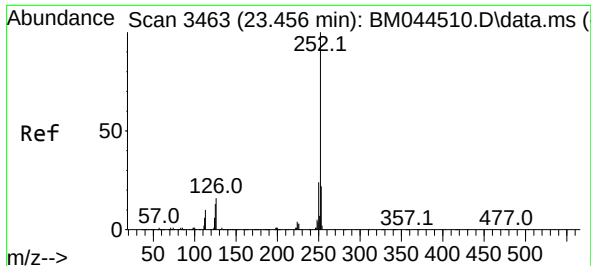
Tgt Ion:252 Resp: 3020712
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 11.3 9.3 13.9



#91
Benzo(k)fluoranthene
Concen: 72.218 ng/ul
RT: 22.933 min Scan# 3374
Delta R.T. 0.006 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

Tgt Ion:252 Resp: 5796440
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 11.7 10.0 15.0

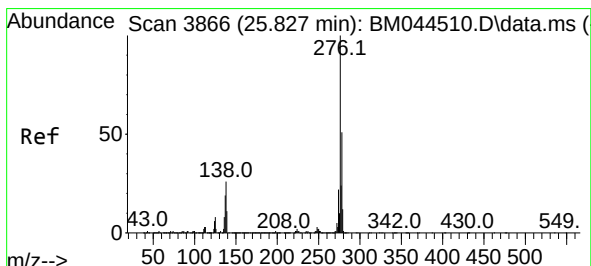
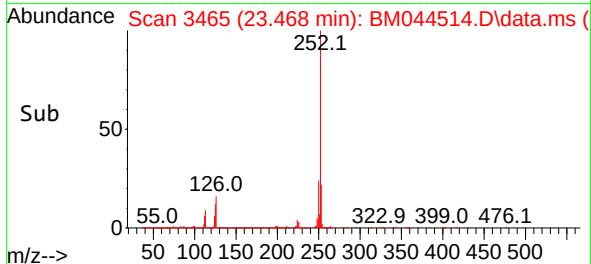
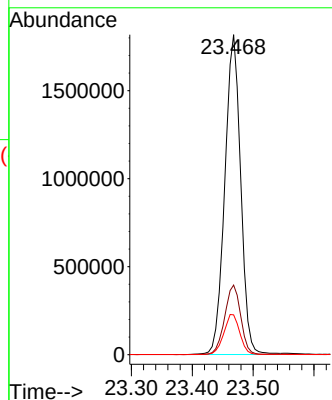
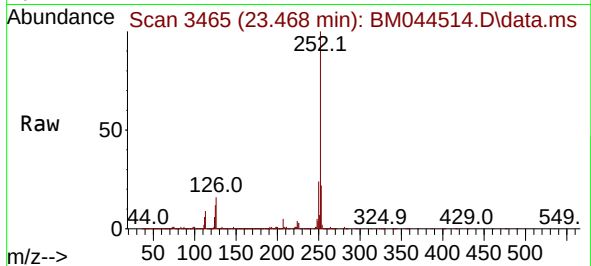




#93
Benzo(a)pyrene
Concen: 42.922 ng/ul
RT: 23.468 min Scan# 3465
Delta R.T. 0.006 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

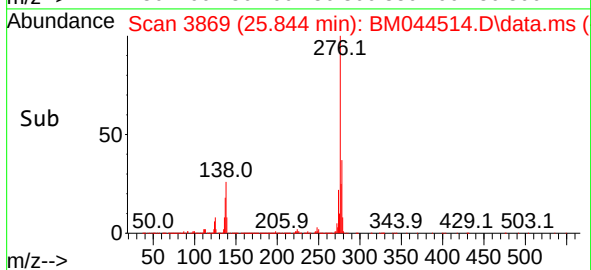
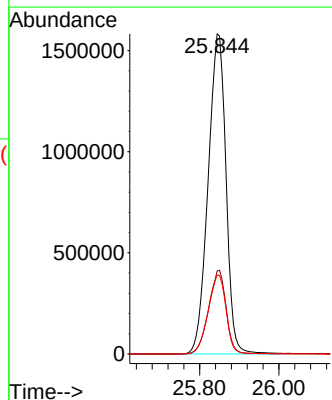
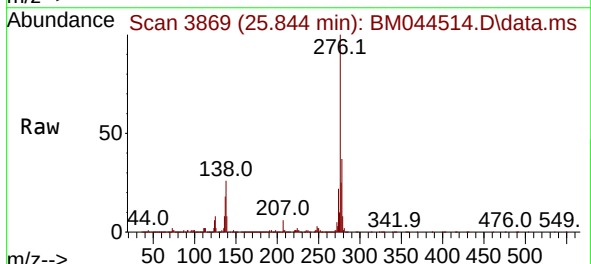
Instrument :
BNA_M
ClientSampleId :
C0AA2

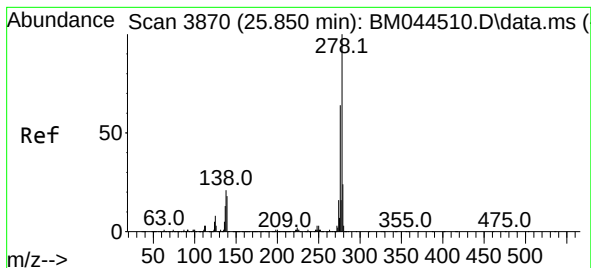
Tgt Ion:252 Resp: 3290400
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 12.5 10.9 16.3



#94
Indeno(1,2,3-cd)pyrene
Concen: 57.676 ng/ul
RT: 25.844 min Scan# 3869
Delta R.T. 0.006 min
Lab File: BM044514.D
Acq: 06 Mar 2024 12:53

Tgt Ion:276 Resp: 4959128
Ion Ratio Lower Upper
276 100
138 25.9 23.1 34.7
277 24.7 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 29.865 ng/ul

RT: 25.862 min Scan# 3872

Delta R.T. 0.006 min

Lab File: BM044514.D

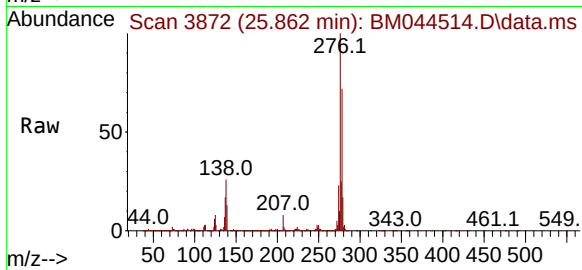
Acq: 06 Mar 2024 12:53

Instrument :

BNA_M

ClientSampleId :

C0AA2



Tgt Ion:278 Resp: 2141161

Ion Ratio Lower Upper

278 100

139 18.1 15.8 23.6

279 23.1 19.0 28.6

