

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
 Data File : BN025293.D
 Acq On : 06 May 2023 00:24
 Operator : CG/JU
 Sample : PB152603BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

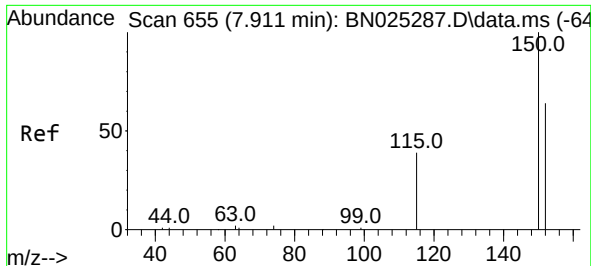
Instrument :
 BNA_N
 ClientSampleId :
 PB152603BL

Quant Time: May 08 03:17:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 08 02:37:05 2023
 Response via : Initial Calibration

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

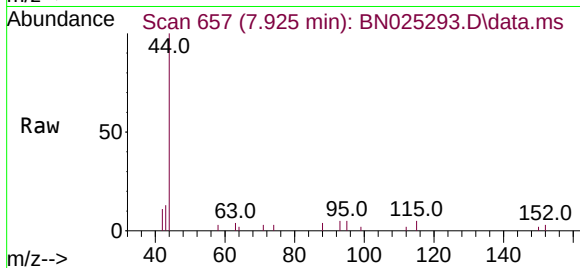
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.925	152	10	0.400	ng	# 0.01
7) Naphthalene-d8	10.782	136	12	0.400	ng	# 0.05
13) Acenaphthene-d10	14.630	164	8	0.400	ng	# 0.07
19) Phenanthrene-d10	17.385	188	4	0.400	ng	# 0.07
29) Chrysene-d12	21.575	240	69	0.400	ng	# 0.07
35) Perylene-d12	24.005	264	10	0.400	ng	# 0.07
System Monitoring Compounds						
4) 2-Fluorophenol	5.499	112	5	0.205	ng	0.03
5) Phenol-d6	7.095	99	7	0.229	ng	0.00
8) Nitrobenzene-d5	9.148	82	4	0.405	ng	0.05
11) 2-Methylnaphthalene-d10	12.442	152	10	0.610	ng	0.12
14) 2,4,6-Tribromophenol	16.169	330	1	0.245	ng	0.10
15) 2-Fluorobiphenyl	13.272	172	12	0.437	ng	0.09
27) Fluoranthene-d10	19.426	212	4	0.404	ng	0.09
31) Terphenyl-d14	19.987	244	4	0.029	ng	0.05
Target Compounds						
6) bis(2-Chloroethyl)ether	7.391	93	20	0.743	ng	# 35
9) Naphthalene	10.824	128	12	0.390	ng	# 1
10) Hexachlorobutadiene	11.081	225	3	0.515	ng	# 1
12) 2-Methylnaphthalene	12.460	142	1	0.046	ng	# 14
16) Acenaphthylene	14.373	152	31	0.865	ng	# 61
17) Acenaphthene	14.651	154	4	0.180	ng	# 1
18) Fluorene	15.699	166	10	0.328	ng	# 8
20) 4,6-Dinitro-2-methylph...	15.796	198	7	8.299	ng	# 1
22) Hexachlorobenzene	16.678	284	31	12.877	ng	# 65
23) Atrazine	16.814	200	4	2.049	ng	# 2
24) Pentachlorophenol	17.112	266	9	9.925	ng	# 23
25) Phenanthrene	17.460	178	136	12.289	ng	# 46
26) Anthracene	17.559	178	8	0.772	ng	# 1
28) Fluoranthene	19.426	202	145	10.486	ng	# 96
30) Pyrene	19.776	202	250	1.060	ng	# 75
32) Benzo(a)anthracene	21.558	228	87	0.373	ng	# 1
33) Chrysene	21.602	228	145	0.625	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.513	149	292	1.596	ng	# 52
36) Indeno(1,2,3-cd)pyrene	26.537	276	6	0.150	ng	# 71
37) Benzo(b)fluoranthene	23.262	252	72	2.271	ng	# 1
38) Benzo(k)fluoranthene	23.306	252	11	0.331	ng	# 1
39) Benzo(a)pyrene	23.894	252	9	0.277	ng	# 1
40) Dibenzo(a,h)anthracene	26.563	278	3	0.095	ng	# 1
41) Benzo(g,h,i)perylene	27.314	276	2	0.058	ng	# 1

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

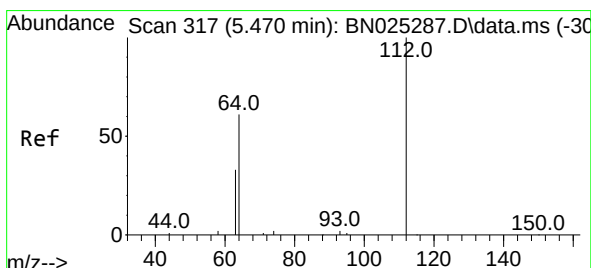
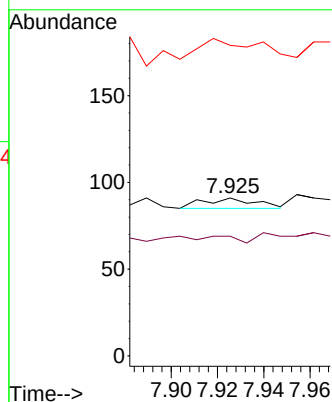
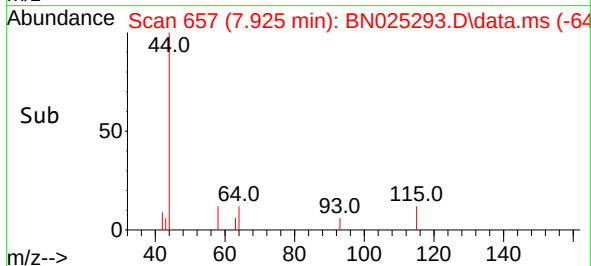


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.925 min Scan# 61
Delta R.T. 0.014 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

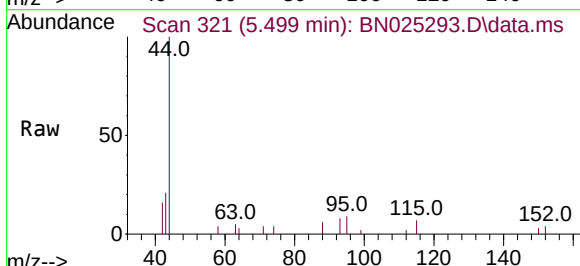
Instrument :
BNA_N
ClientSampleId :
PB152603BL



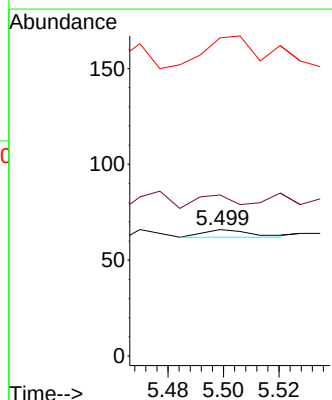
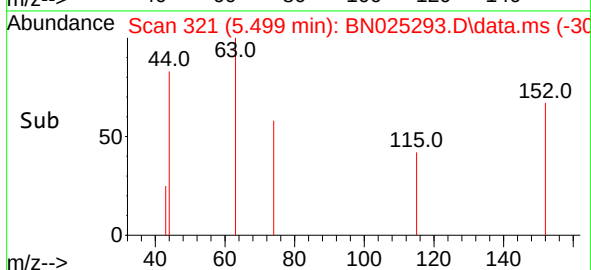
Tgt Ion:152 Resp: 10
Ion Ratio Lower Upper
152 100
150 75.8 123.8 185.8#
115 196.7 52.9 79.3#

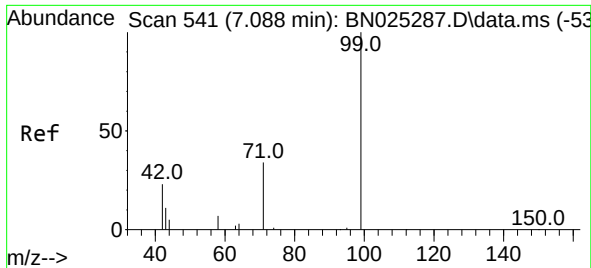


#4
2-Fluorophenol
Concen: 0.205 ng
RT: 5.499 min Scan# 321
Delta R.T. 0.029 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24



Tgt Ion:112 Resp: 5
Ion Ratio Lower Upper
112 100
64 140.0 51.5 77.3#
63 540.0 27.8 41.6#

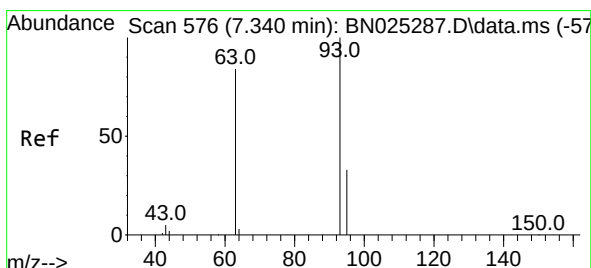
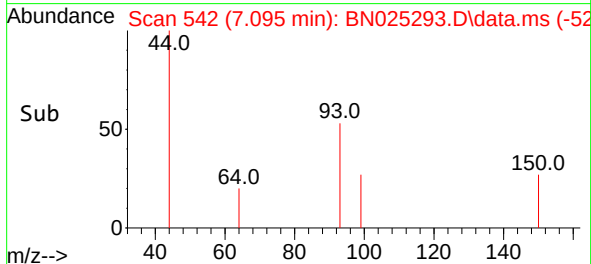
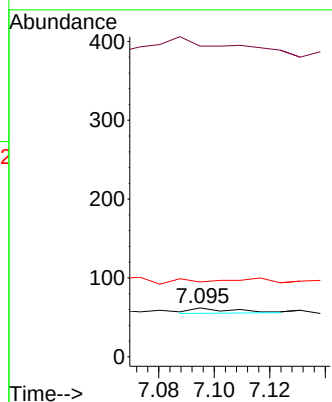
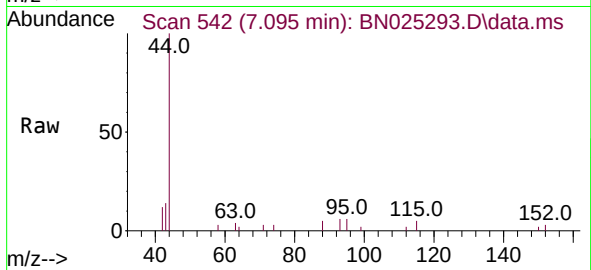




#5
Phenol-d6
Concen: 0.229 ng
RT: 7.095 min Scan# 541
Delta R.T. 0.007 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

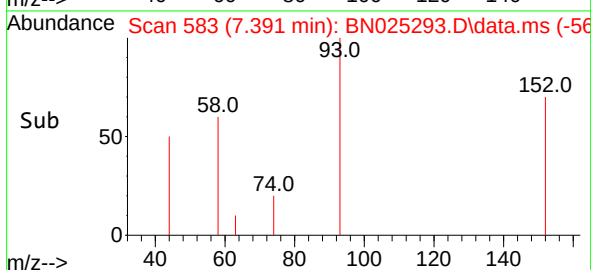
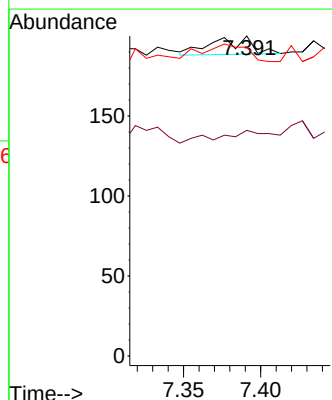
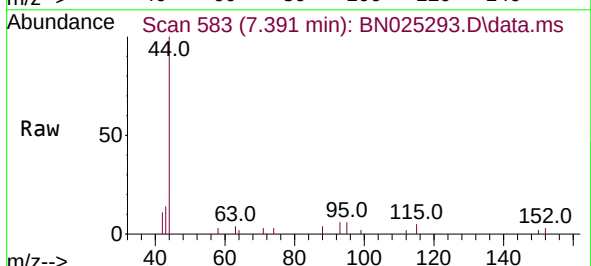
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BNA_N
ClientSampleId :
PB152603BL

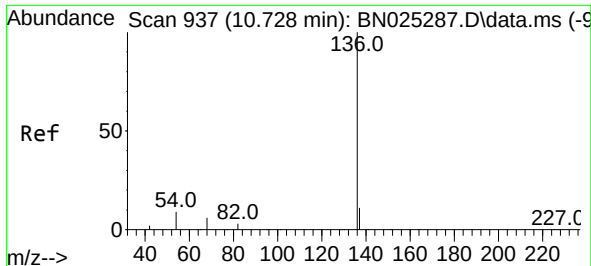
Tgt Ion: 99 Resp: 7
Ion Ratio Lower Upper
99 100
42 871.4 22.0 33.0#
71 0.0 28.7 43.1#



#6
bis(2-Chloroethyl)ether
Concen: 0.743 ng
RT: 7.391 min Scan# 583
Delta R.T. 0.050 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

Tgt Ion: 93 Resp: 20
Ion Ratio Lower Upper
93 100
63 50.0 67.8 101.6#
95 110.0 26.7 40.1#

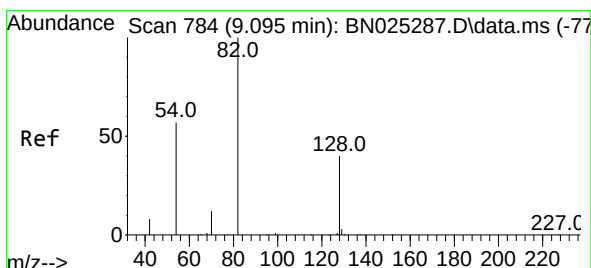
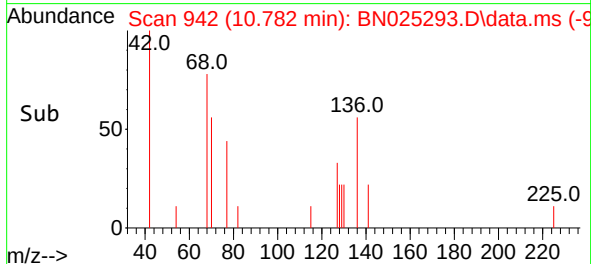
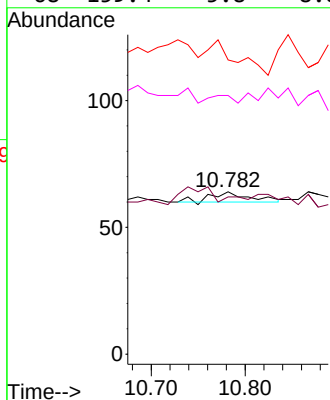
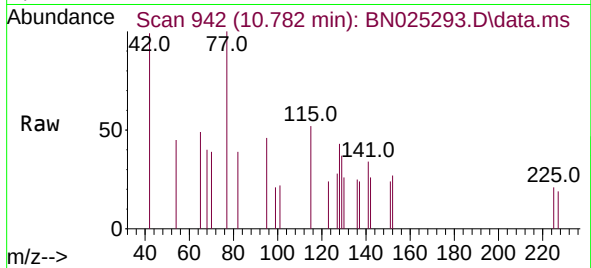




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.782 min Scan# 941
Delta R.T. 0.053 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

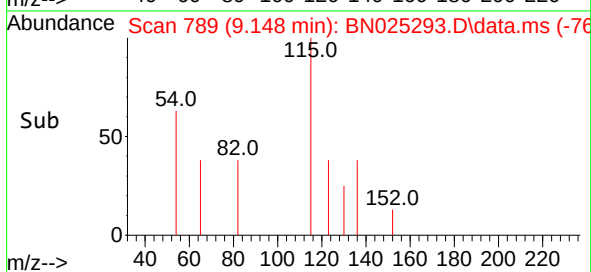
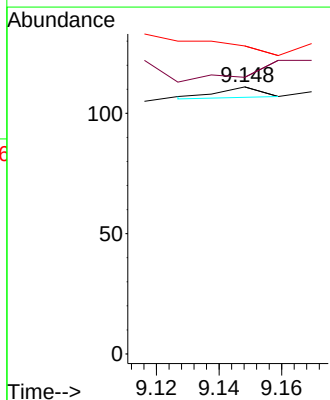
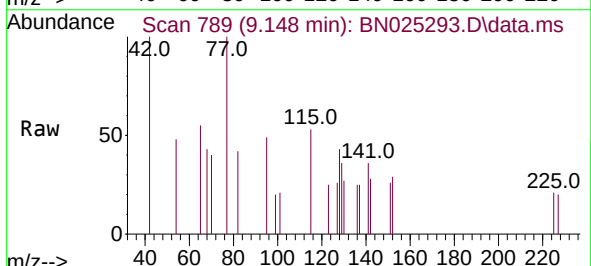
Instrument :
BNA_N
ClientSampleId :
PB152603BL

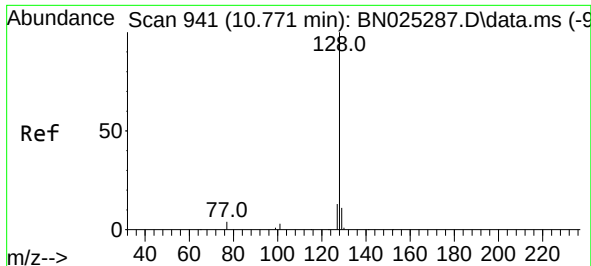
Tgt Ion:136 Resp: 12
Ion Ratio Lower Upper
136 100
137 96.9 9.4 14.2#
54 181.3 8.5 12.7#
68 159.4 5.8 8.8#



#8
Nitrobenzene-d5
Concen: 0.405 ng
RT: 9.148 min Scan# 789
Delta R.T. 0.053 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

Tgt Ion: 82 Resp: 4
Ion Ratio Lower Upper
82 100
128 103.6 35.3 52.9#
54 115.3 48.7 73.1#

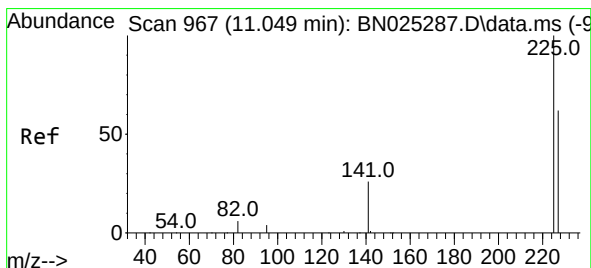
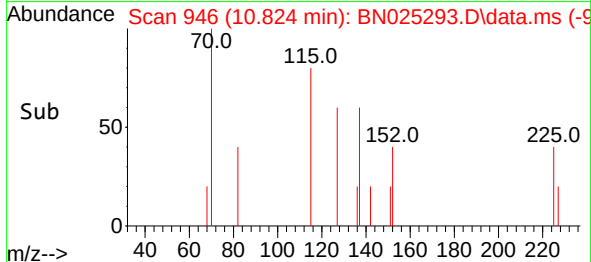
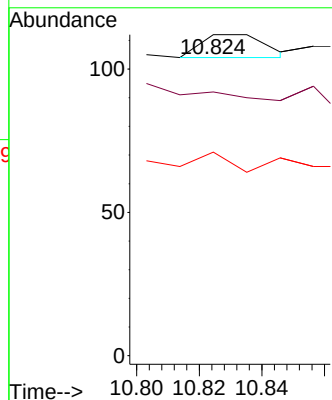
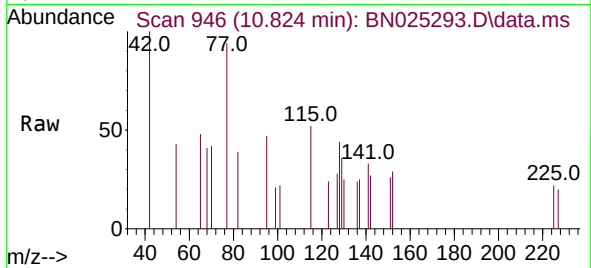




#9
Naphthalene
Concen: 0.390 ng
RT: 10.824 min Scan# 941
Delta R.T. 0.053 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

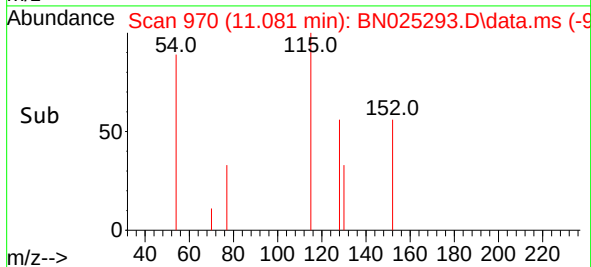
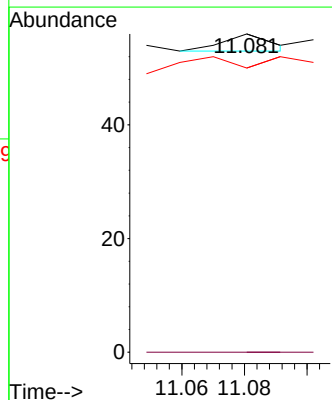
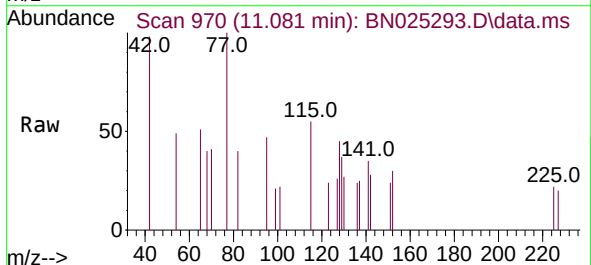
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ClientSampleId :
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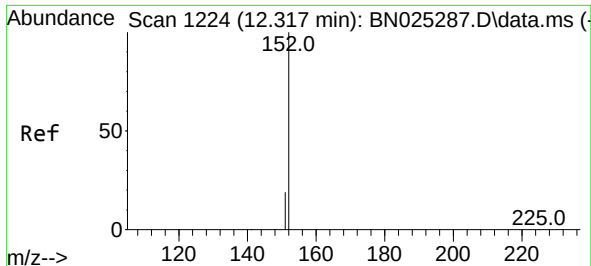
Tgt Ion:128 Resp: 12
Ion Ratio Lower Upper
128 100
129 82.1 9.4 14.2#
127 63.4 11.0 16.6#



#10
Hexachlorobutadiene
Concen: 0.515 ng
RT: 11.081 min Scan# 970
Delta R.T. 0.032 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

Tgt Ion:225 Resp: 3
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 200.0 49.8 74.8#

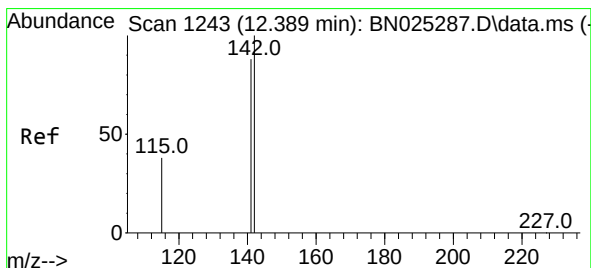
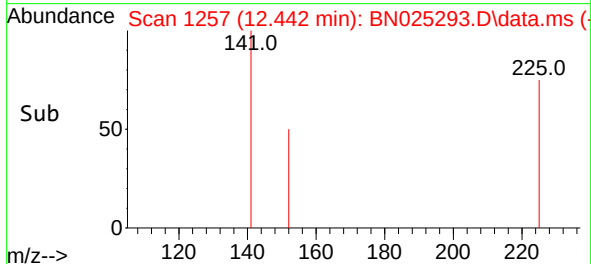
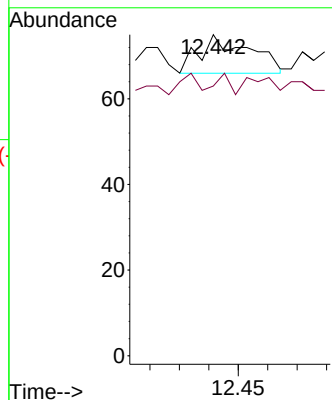
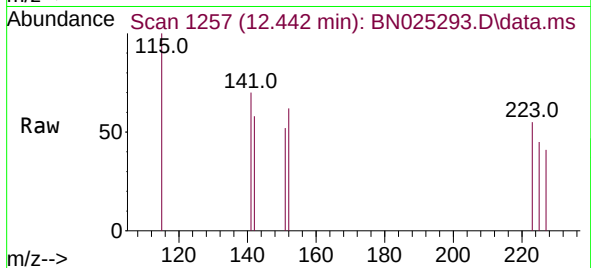




#11
2-Methylnaphthalene-d10
Concen: 0.610 ng
RT: 12.442 min Scan# 11
Delta R.T. 0.125 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

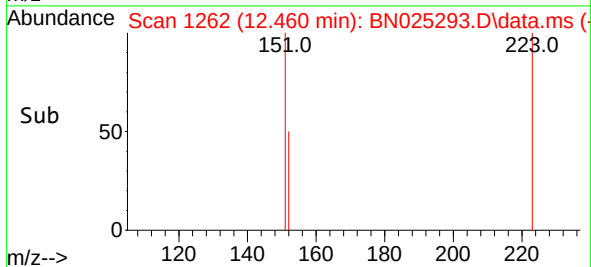
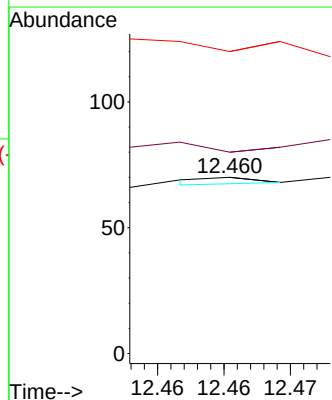
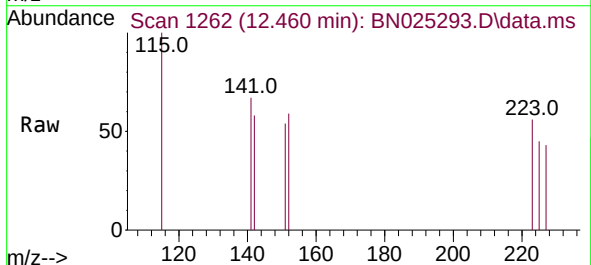
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BNA_N
ClientSampleId :
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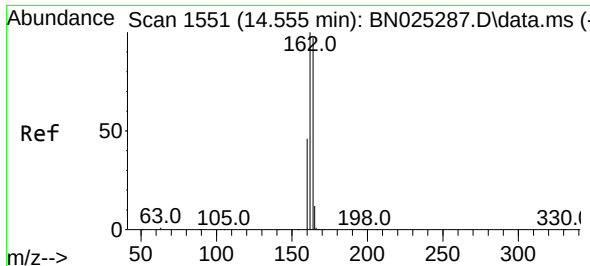
Tgt Ion:152 Resp: 10
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6



#12
2-Methylnaphthalene
Concen: 0.046 ng
RT: 12.460 min Scan# 1262
Delta R.T. 0.072 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

Tgt Ion:142 Resp: 1
Ion Ratio Lower Upper
142 100
141 114.3 70.5 105.7#
115 171.4 31.6 47.4#

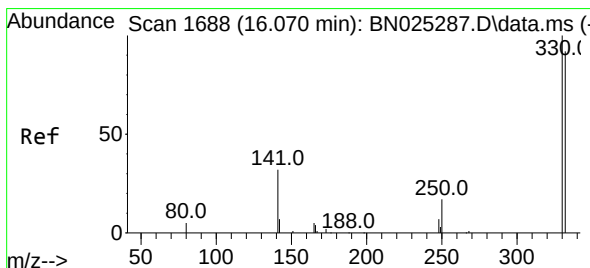
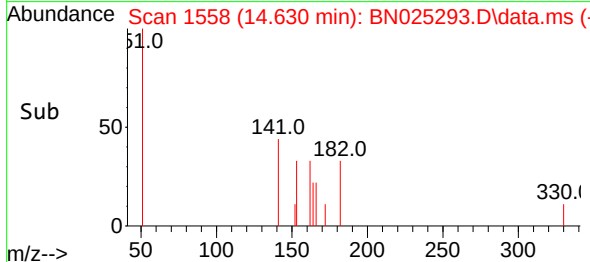
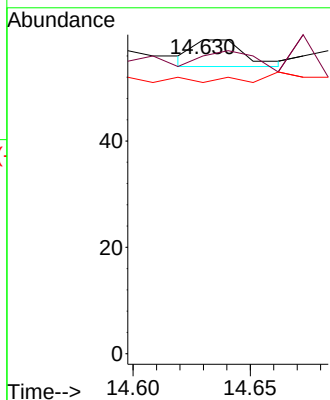
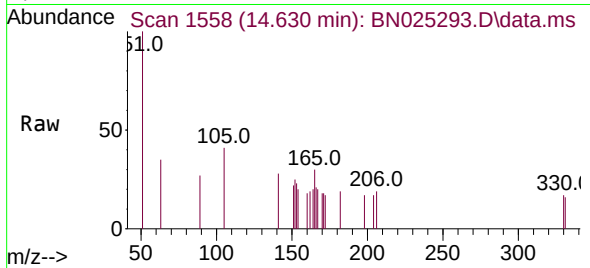




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.630 min Scan# 1558
Delta R.T. 0.075 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

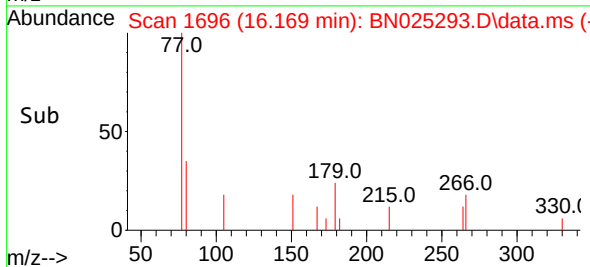
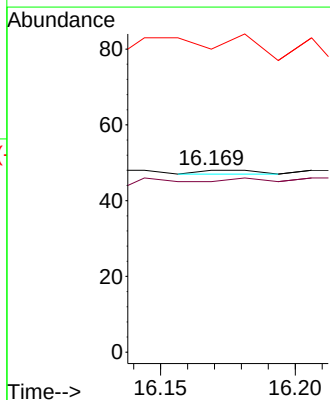
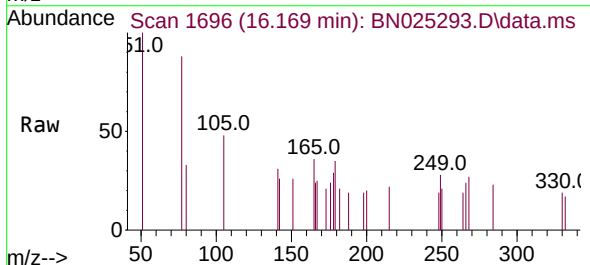
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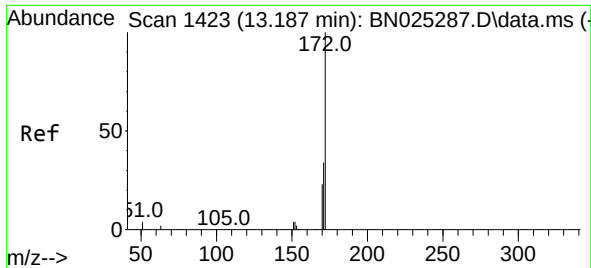
Tgt Ion:164 Resp: 8
Ion Ratio Lower Upper
164 100
162 94.9 82.1 123.1
160 86.4 38.3 57.5#



#14
2,4,6-Tribromophenol
Concen: 0.245 ng
RT: 16.169 min Scan# 1696
Delta R.T. 0.099 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

Tgt Ion:330 Resp: 1
Ion Ratio Lower Upper
330 100
332 300.0 77.4 116.0#
141 1600.0 28.9 43.3#

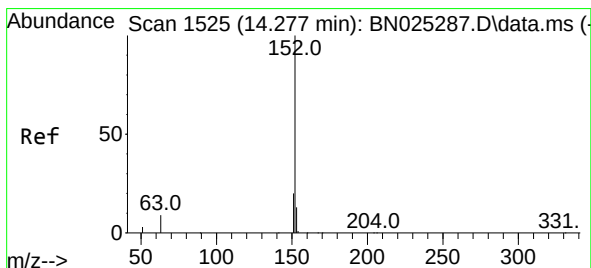
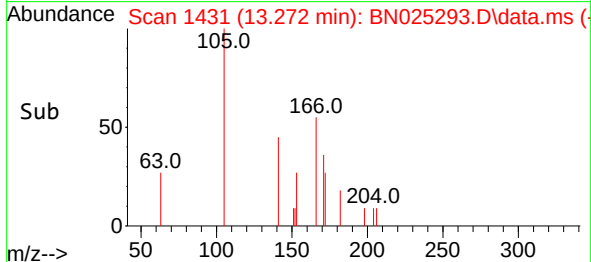
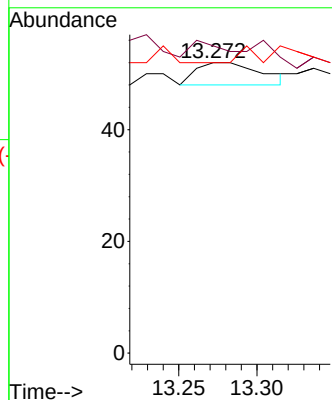
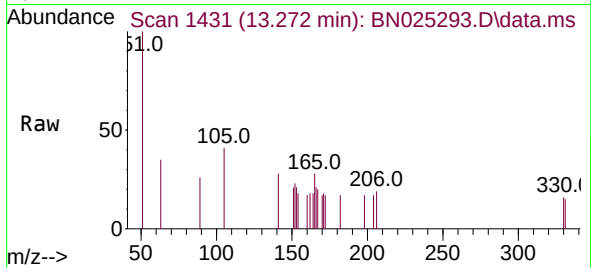




#15
2-Fluorobiphenyl
Concen: 0.437 ng
RT: 13.272 min Scan# 14
Delta R.T. 0.085 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

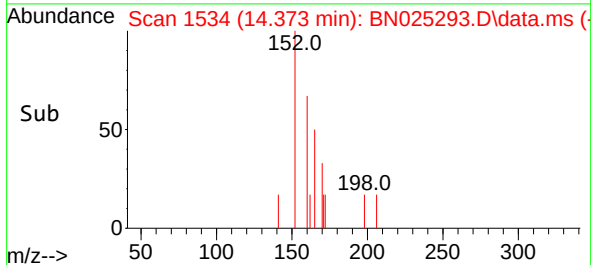
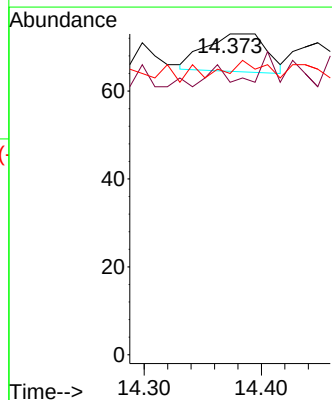
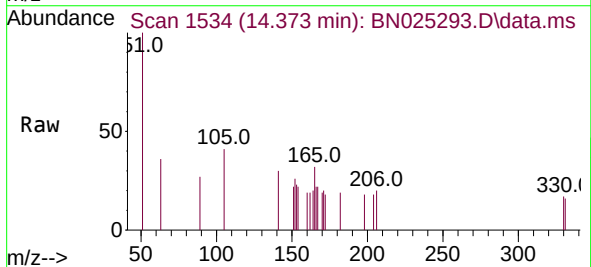
Instrument :
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ClientSampleId :
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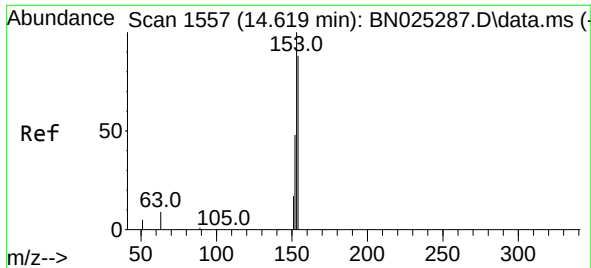
Tgt Ion:172 Resp: 12
Ion Ratio Lower Upper
172 100
171 105.8 27.9 41.9#
170 100.0 19.0 28.4#



#16
Acenaphthylene
Concen: 0.865 ng
RT: 14.373 min Scan# 1534
Delta R.T. 0.096 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

Tgt Ion:152 Resp: 31
Ion Ratio Lower Upper
152 100
151 0.0 16.1 24.1#
153 25.8 10.3 15.5#

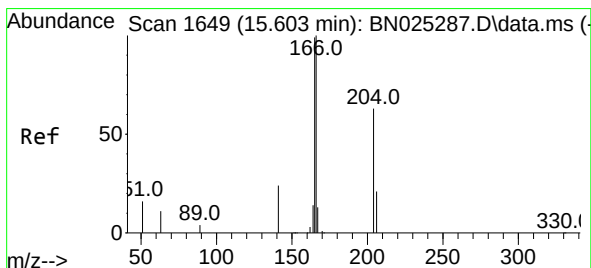
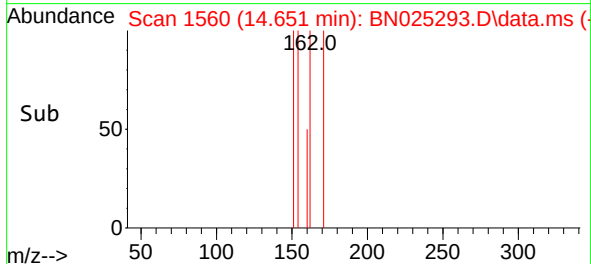
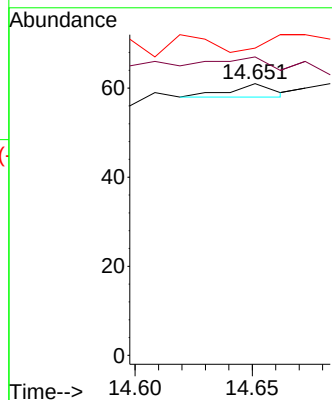
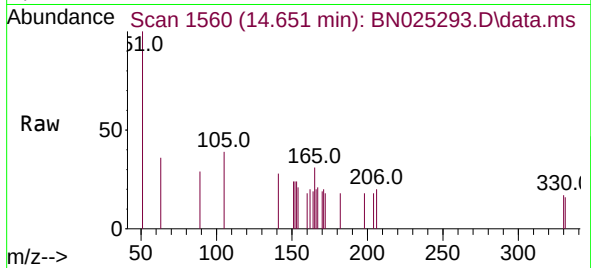




#17
Acenaphthene
Concen: 0.180 ng
RT: 14.651 min Scan# 11
Delta R.T. 0.032 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

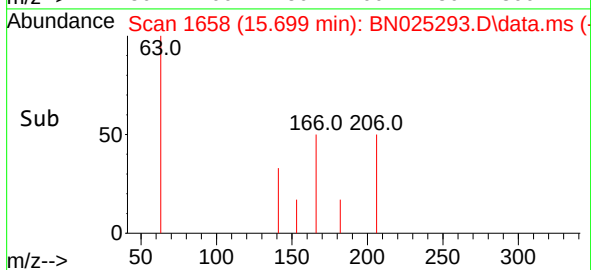
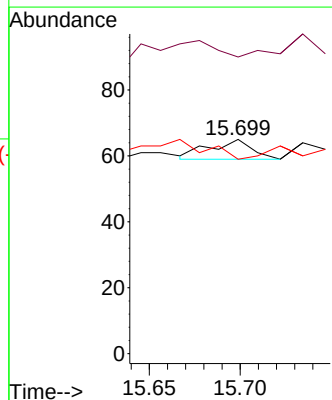
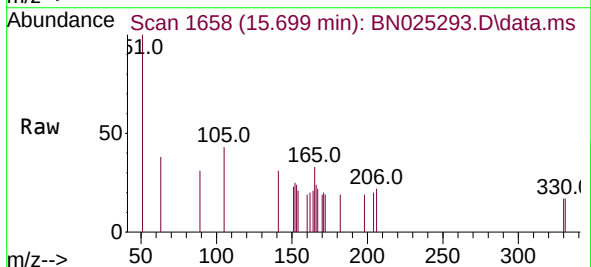
Instrument :
BNA_N
ClientSampleId :
PB152603BL

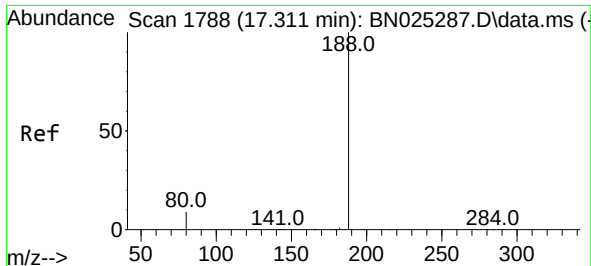
Tgt Ion:154 Resp: 4
Ion Ratio Lower Upper
154 100
153 0.0 91.3 136.9#
152 325.0 44.7 67.1#



#18
Fluorene
Concen: 0.328 ng
RT: 15.699 min Scan# 1658
Delta R.T. 0.096 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

Tgt Ion:166 Resp: 10
Ion Ratio Lower Upper
166 100
165 0.0 79.0 118.4#
167 0.0 10.3 15.5#

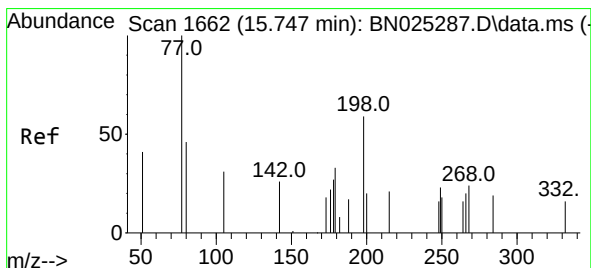
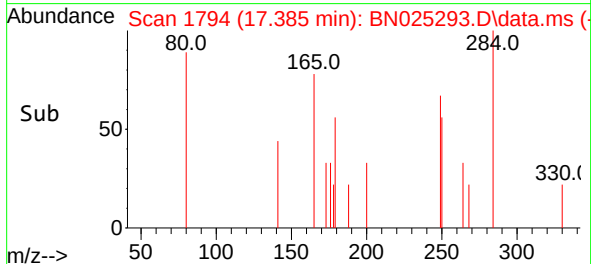
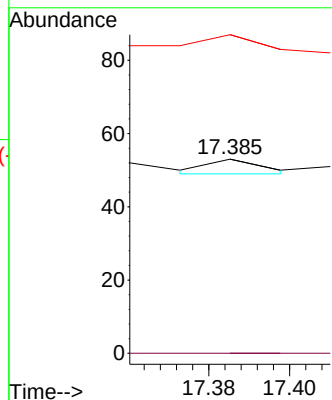
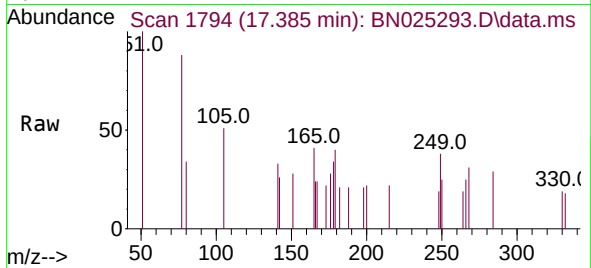




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.385 min Scan# 11
Delta R.T. 0.074 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

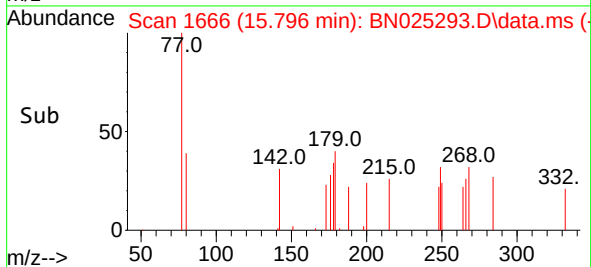
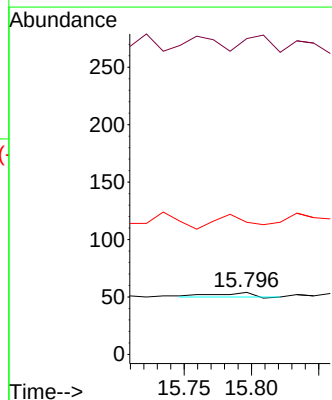
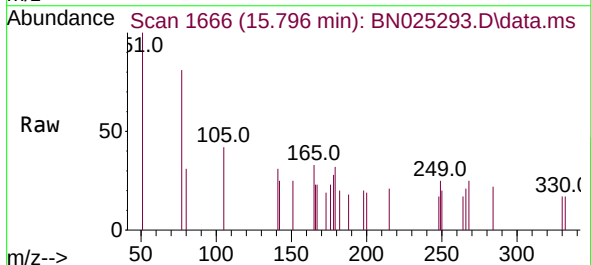
Instrument :
BNA_N
ClientSampleId :
PB152603BL

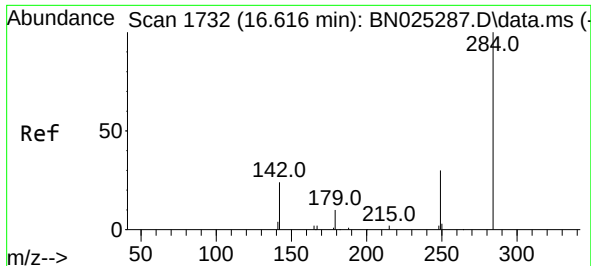
Tgt Ion:188 Resp: 4
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 164.2 8.0 12.0#



#20
4,6-Dinitro-2-methylphenol
Concen: 8.299 ng
RT: 15.796 min Scan# 1666
Delta R.T. 0.049 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

Tgt Ion:198 Resp: 7
Ion Ratio Lower Upper
198 100
51 509.3 162.1 243.1#
105 213.0 83.1 124.7#

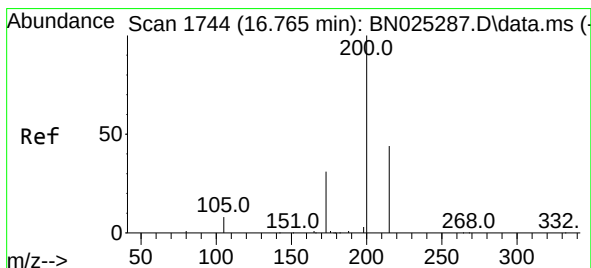
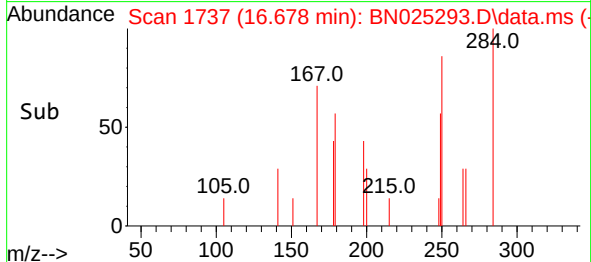
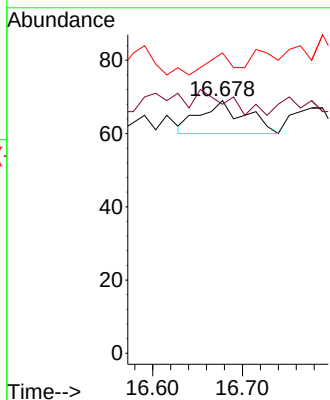
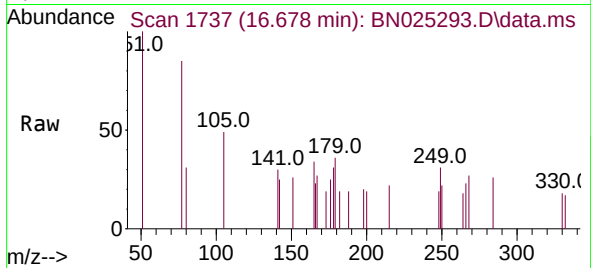




#22
Hexachlorobenzene
Concen: 12.877 ng
RT: 16.678 min Scan# 1737
Delta R.T. 0.062 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

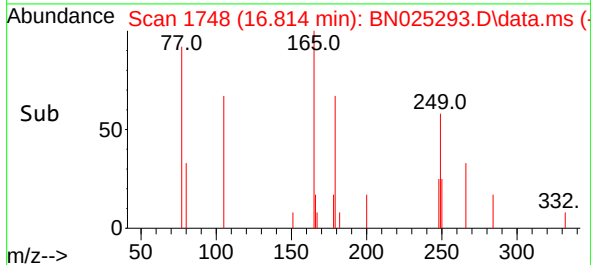
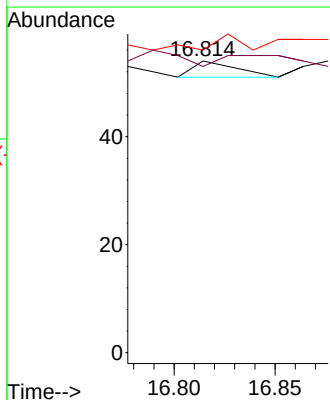
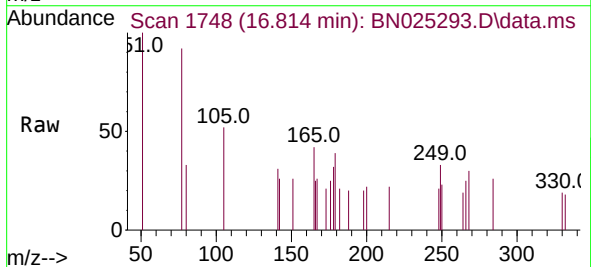
Instrument :
BNA_N
ClientSampleId :
PB152603BL

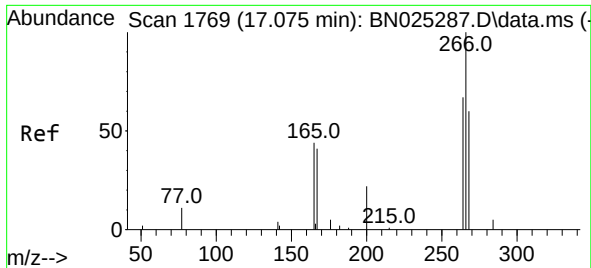
Tgt Ion:284 Resp: 31
Ion Ratio Lower Upper
284 100
142 0.0 30.0 45.0#
249 32.3 25.0 37.6



#23
Atrazine
Concen: 2.049 ng
RT: 16.814 min Scan# 1748
Delta R.T. 0.050 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

Tgt Ion:200 Resp: 4
Ion Ratio Lower Upper
200 100
173 98.1 26.3 39.5#
215 103.7 37.2 55.8#

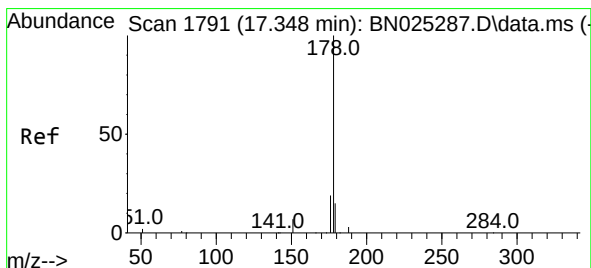
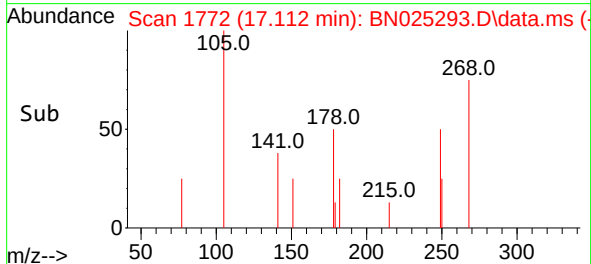
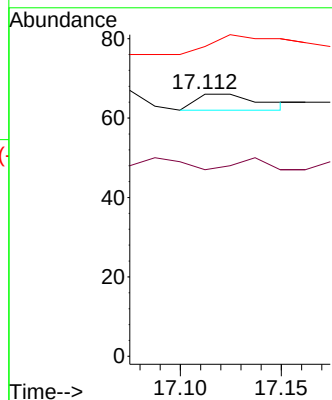
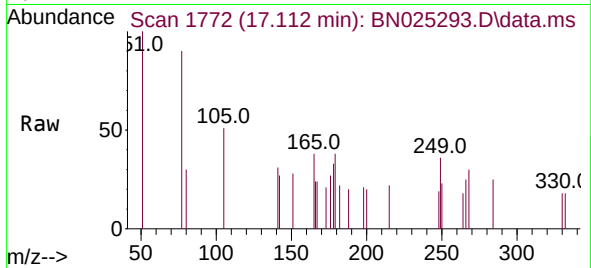




#24
 Pentachlorophenol
 Concen: 9.925 ng
 RT: 17.112 min Scan# 11
 Delta R.T. 0.037 min
 Lab File: BN025293.D
 Acq: 06 May 2023 00:24

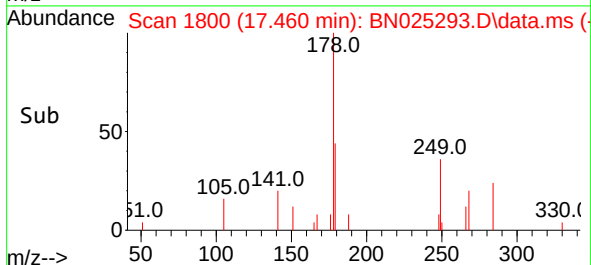
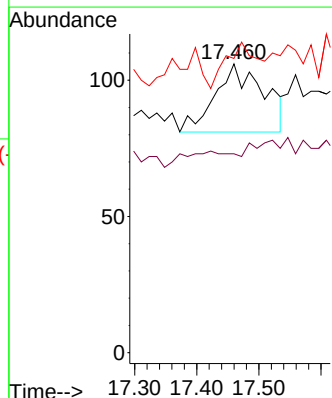
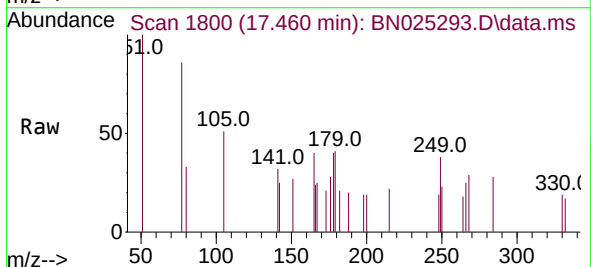
Instrument :
 BNA_N
 ClientSampleId :
 PB152603BL

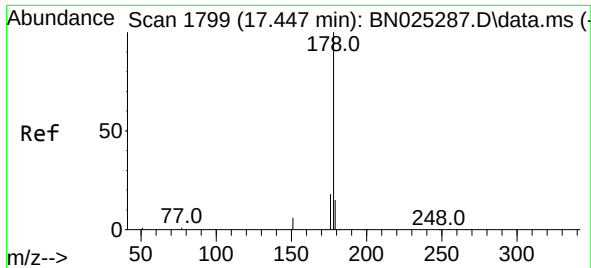
Tgt Ion:266 Resp: 9
 Ion Ratio Lower Upper
 266 100
 264 0.0 43.0 64.4#
 268 0.0 47.4 71.2#



#25
 Phenanthrene
 Concen: 12.289 ng
 RT: 17.460 min Scan# 1800
 Delta R.T. 0.112 min
 Lab File: BN025293.D
 Acq: 06 May 2023 00:24

Tgt Ion:178 Resp: 136
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.5 23.3#
 179 44.1 12.4 18.6#

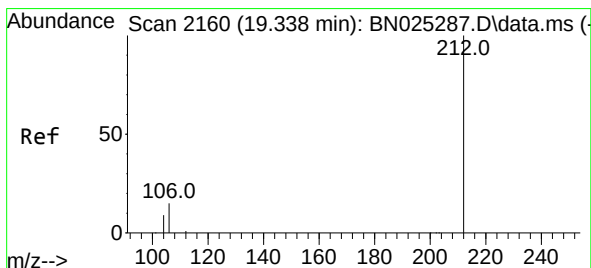
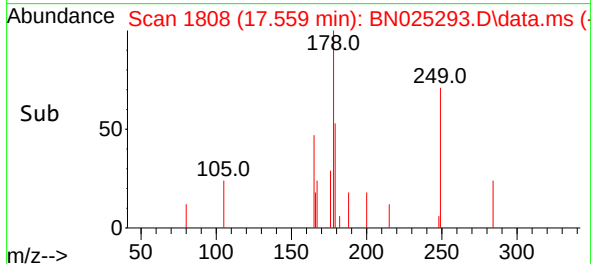
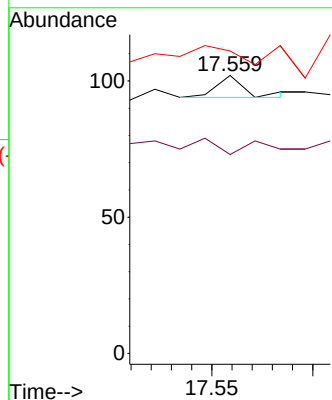
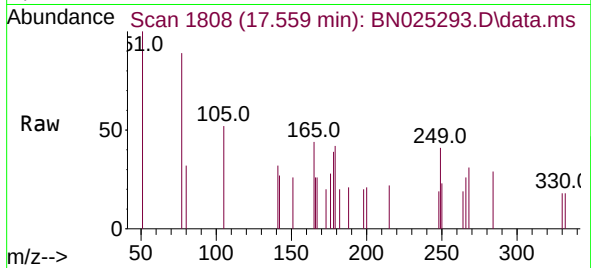




#26
 Anthracene
 Concen: 0.772 ng
 RT: 17.559 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: BN025293.D
 Acq: 06 May 2023 00:24

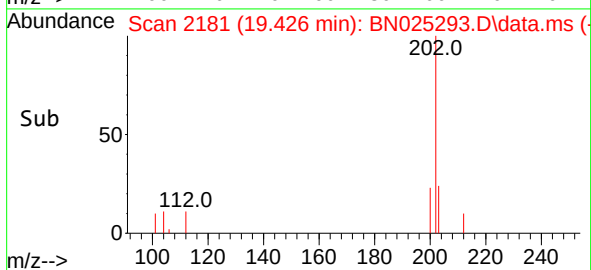
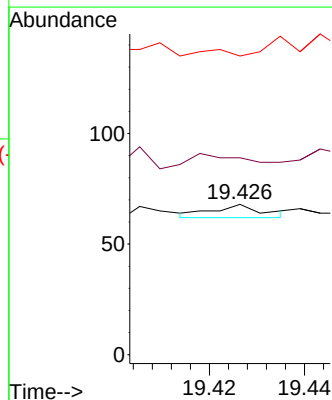
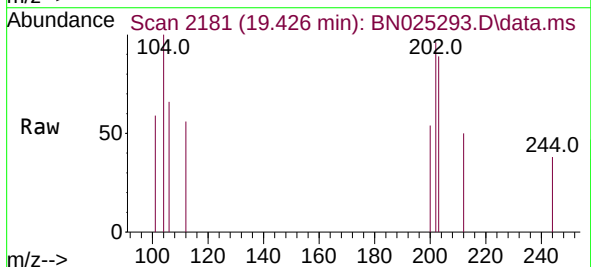
Instrument :
 BNA_N
 ClientSampleId :
 PB152603BL

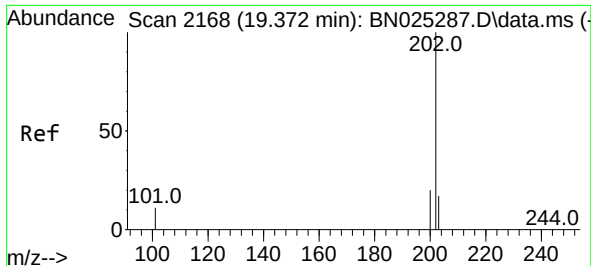
Tgt Ion:178 Resp: 8
 Ion Ratio Lower Upper
 178 100
 176 0.0 14.9 22.3#
 179 175.0 12.0 18.0#



#27
 Fluoranthene-d10
 Concen: 0.404 ng
 RT: 19.426 min Scan# 2181
 Delta R.T. 0.088 min
 Lab File: BN025293.D
 Acq: 06 May 2023 00:24

Tgt Ion:212 Resp: 4
 Ion Ratio Lower Upper
 212 100
 106 100.0 12.6 19.0#
 104 0.0 7.0 10.6#

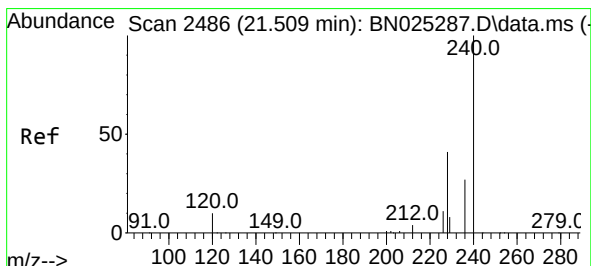
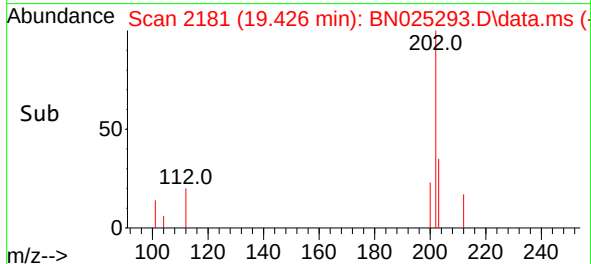
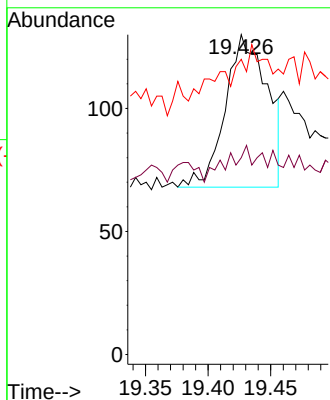
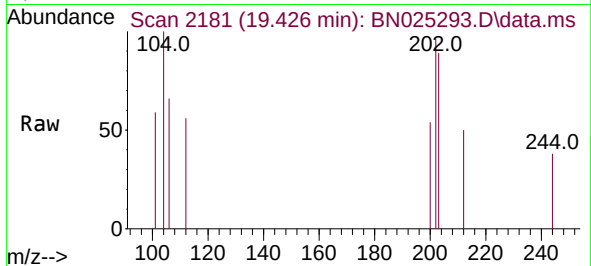




#28
Fluoranthene
Concen: 10.486 ng
RT: 19.426 min Scan# 2168
Delta R.T. 0.055 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

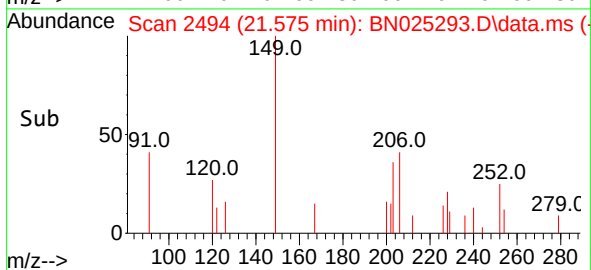
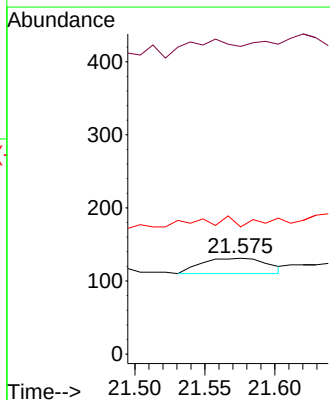
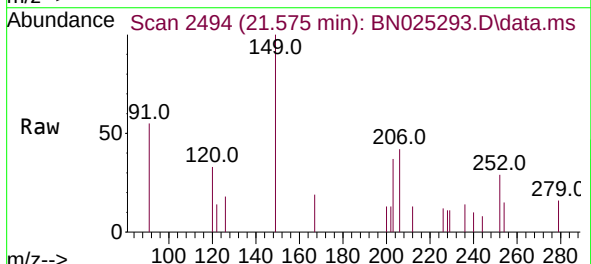
Instrument :
BNA_N
ClientSampleId :
PB152603BL

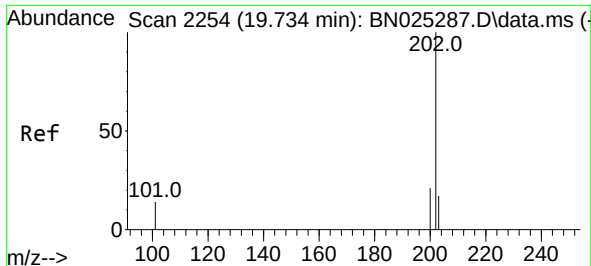
Tgt Ion:202 Resp: 145
Ion Ratio Lower Upper
202 100
101 15.2 9.8 14.8#
203 15.9 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.575 min Scan# 2494
Delta R.T. 0.067 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

Tgt Ion:240 Resp: 69
Ion Ratio Lower Upper
240 100
120 321.4 10.3 15.5#
236 132.8 22.3 33.5#

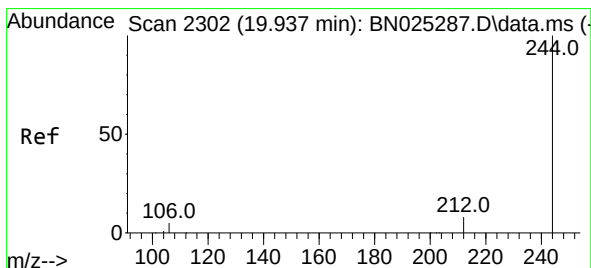
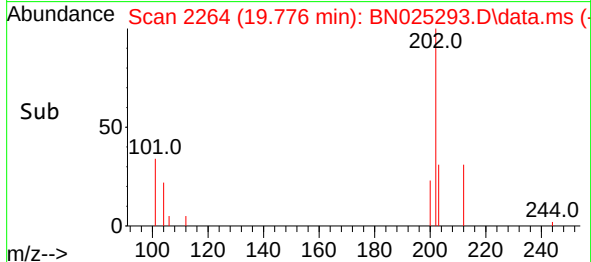
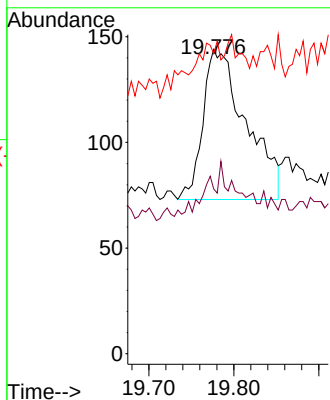
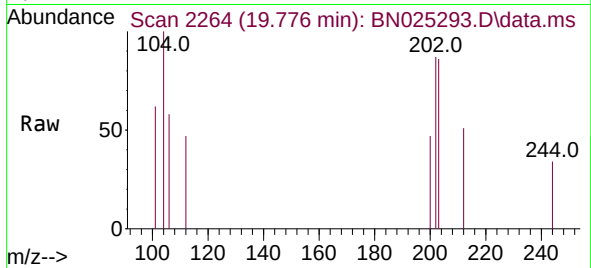




#30
Pyrene
Concen: 1.060 ng
RT: 19.776 min Scan# 21
Delta R.T. 0.042 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

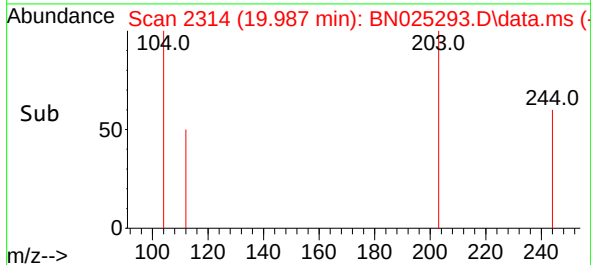
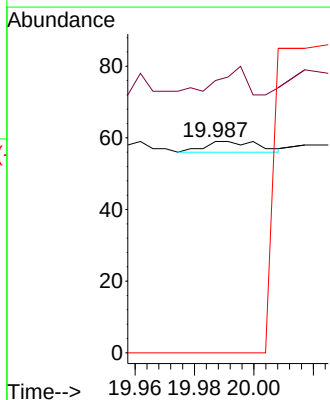
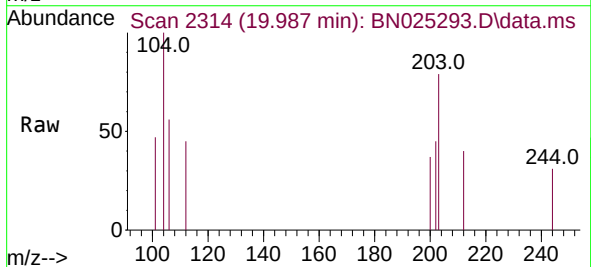
Instrument :
BNA_N
ClientSampleId :
PB152603BL

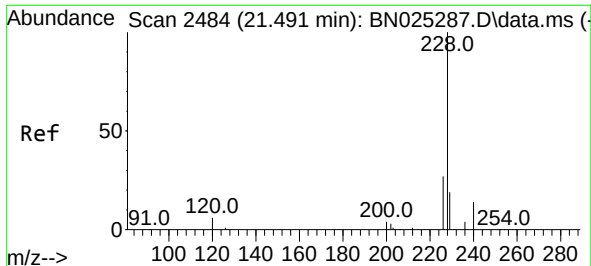
Tgt Ion:202 Resp: 250
Ion Ratio Lower Upper
202 100
200 2.0 16.8 25.2#
203 15.2 14.4 21.6



#31
Terphenyl-d14
Concen: 0.029 ng
RT: 19.987 min Scan# 2314
Delta R.T. 0.051 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

Tgt Ion:244 Resp: 4
Ion Ratio Lower Upper
244 100
212 128.8 7.1 10.7#
122 0.0 0.0 0.0

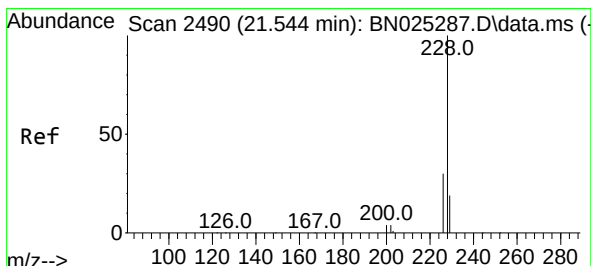
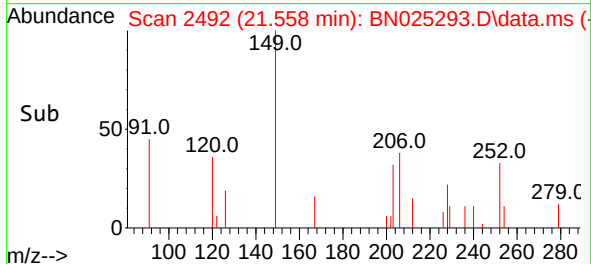
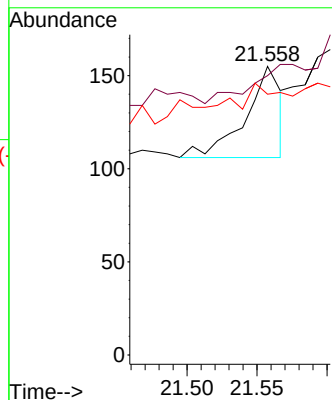
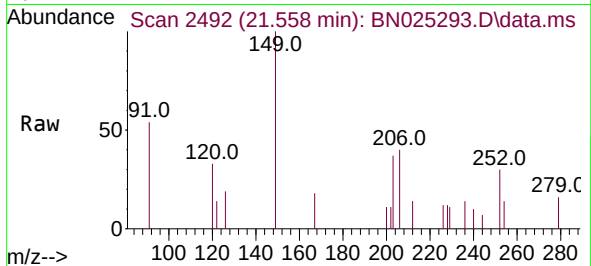




#32
Benzo(a)anthracene
Concen: 0.373 ng
RT: 21.558 min Scan# 2492
Delta R.T. 0.067 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

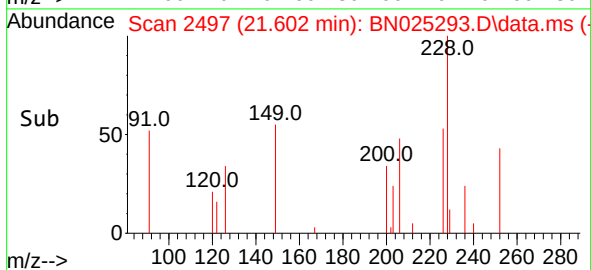
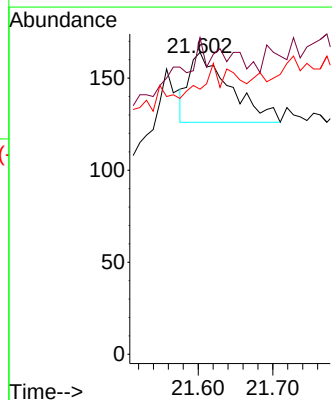
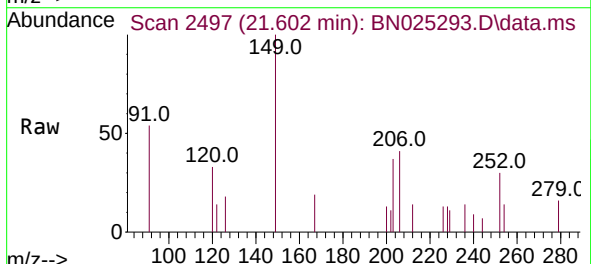
Instrument :
BNA_N
ClientSampleId :
PB152603BL

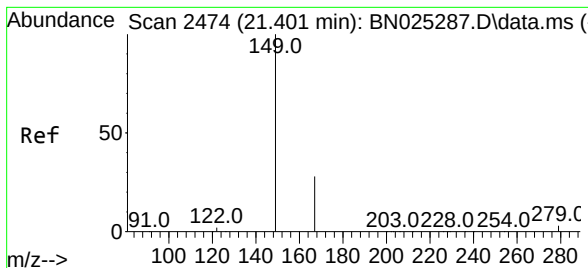
Tgt Ion:228 Resp: 87
Ion Ratio Lower Upper
228 100
226 96.8 22.5 33.7#
229 90.3 16.2 24.2#



#33
Chrysene
Concen: 0.625 ng
RT: 21.602 min Scan# 2497
Delta R.T. 0.058 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

Tgt Ion:228 Resp: 145
Ion Ratio Lower Upper
228 100
226 104.9 24.6 36.8#
229 87.8 16.2 24.4#

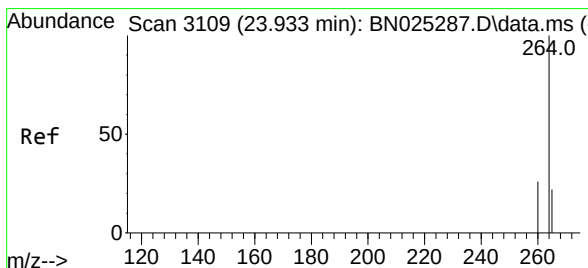
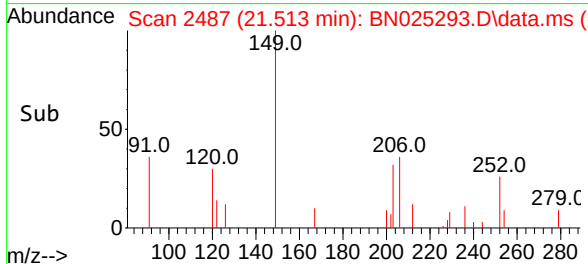
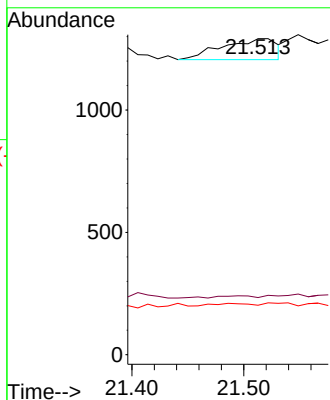
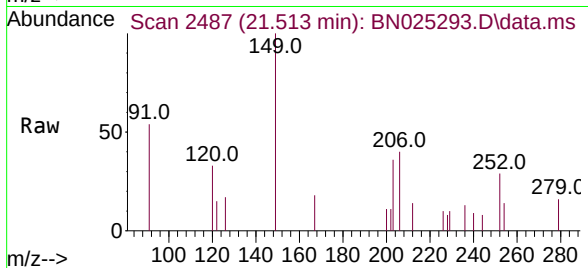




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.596 ng
 RT: 21.513 min Scan# 24
 Delta R.T. 0.112 min
 Lab File: BN025293.D
 Acq: 06 May 2023 00:24

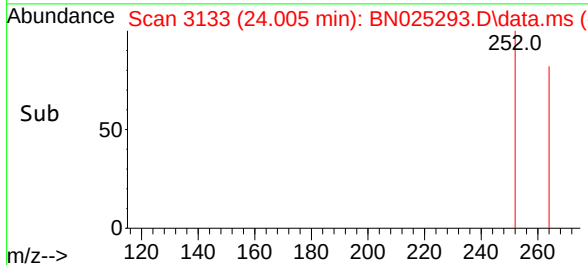
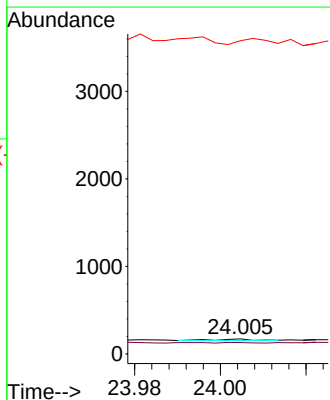
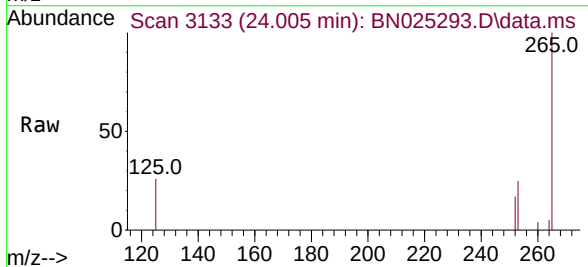
Instrument :
 BNA_N
 ClientSampleId :
 PB152603BL

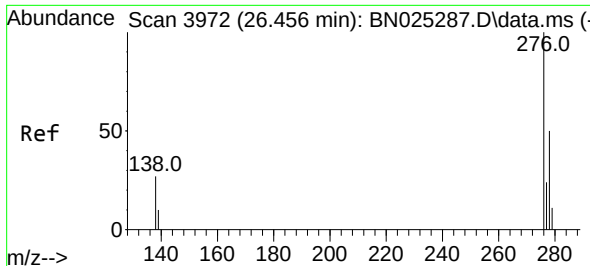
Tgt Ion:149 Resp: 292
 Ion Ratio Lower Upper
 149 100
 167 0.0 22.2 33.4#
 279 0.0 2.6 4.0#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.005 min Scan# 3133
 Delta R.T. 0.071 min
 Lab File: BN025293.D
 Acq: 06 May 2023 00:24

Tgt Ion:264 Resp: 10
 Ion Ratio Lower Upper
 264 100
 260 75.6 21.5 32.3#
 265 2082.0 46.2 69.4#

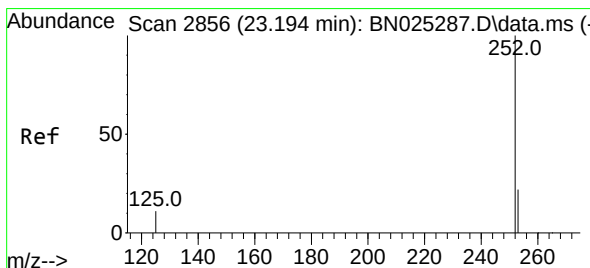
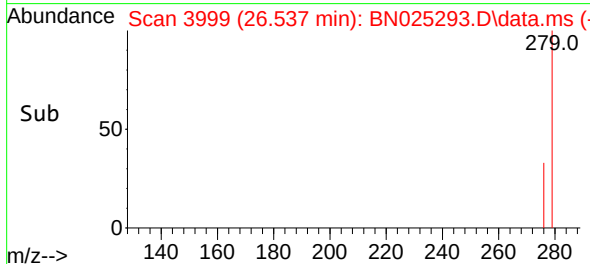
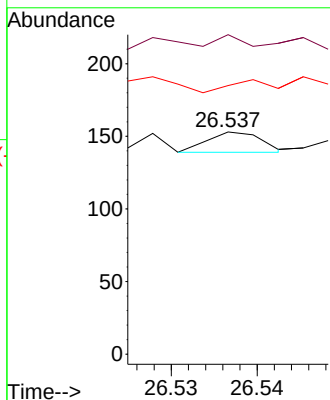
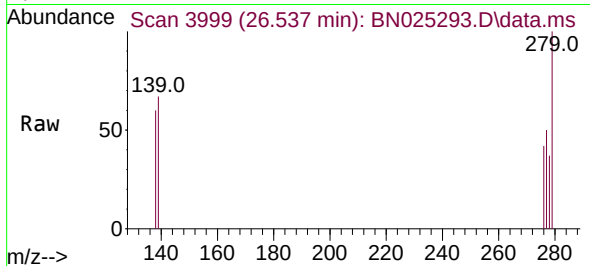




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.150 ng
RT: 26.537 min Scan# 3972
Delta R.T. 0.080 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

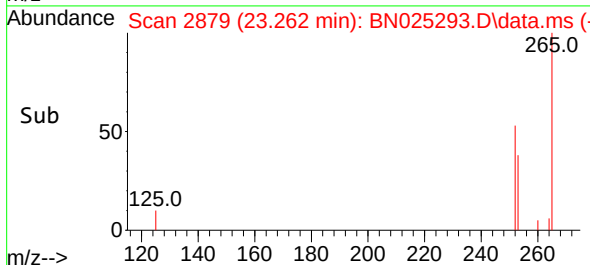
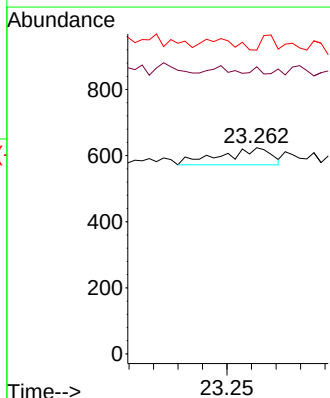
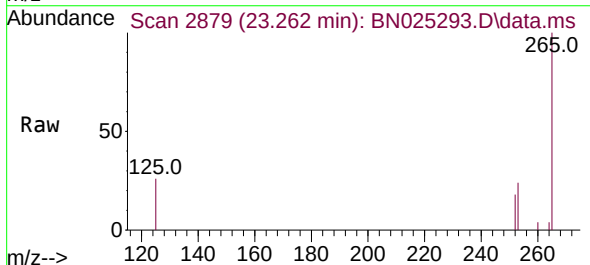
Instrument :
BNA_N
ClientSampleId :
PB152603BL

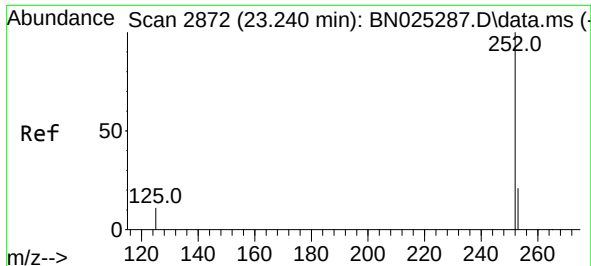
Tgt Ion:276 Resp: 6
Ion Ratio Lower Upper
276 100
138 33.3 22.5 33.7
277 50.0 19.8 29.6#



#37
Benzo(b)fluoranthene
Concen: 2.271 ng
RT: 23.262 min Scan# 2879
Delta R.T. 0.068 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

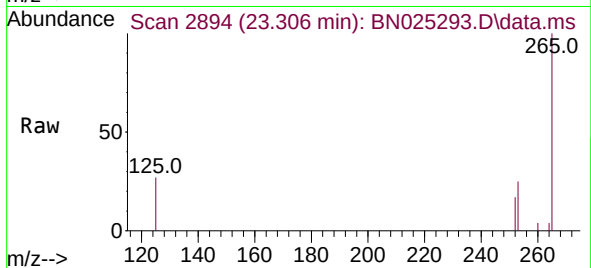
Tgt Ion:252 Resp: 72
Ion Ratio Lower Upper
252 100
253 139.3 20.8 31.2#
125 147.3 13.4 20.2#



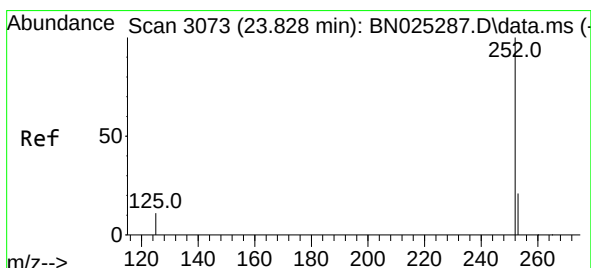
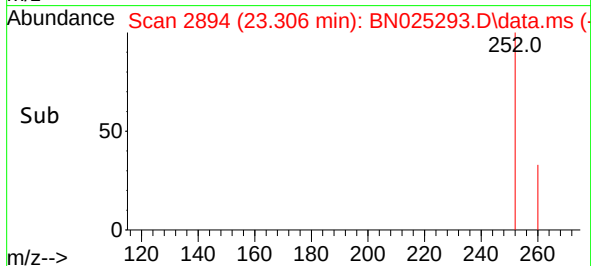
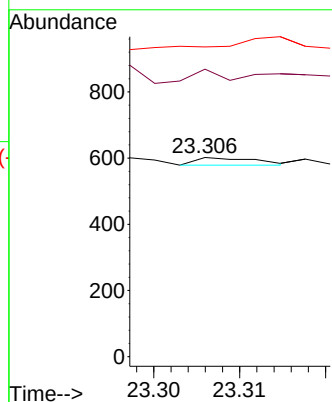


#38
Benzo(k)fluoranthene
Concen: 0.331 ng
RT: 23.306 min Scan# 21
Delta R.T. 0.066 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

Instrument :
BNA_N
ClientSampleId :
PB152603BL

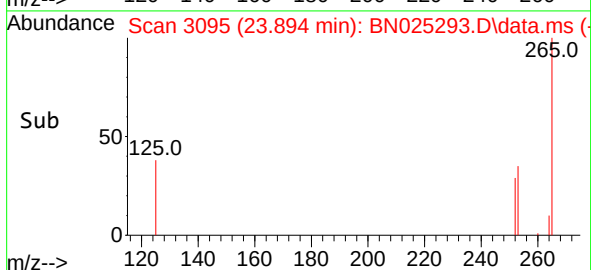
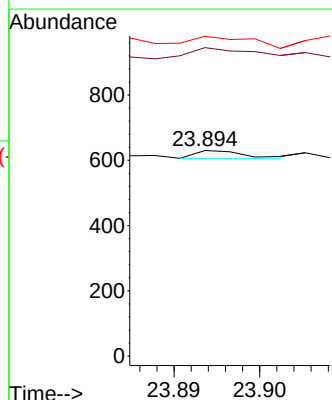
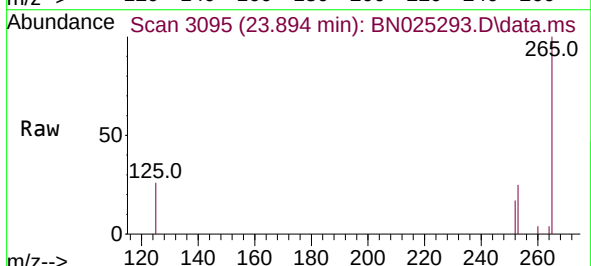


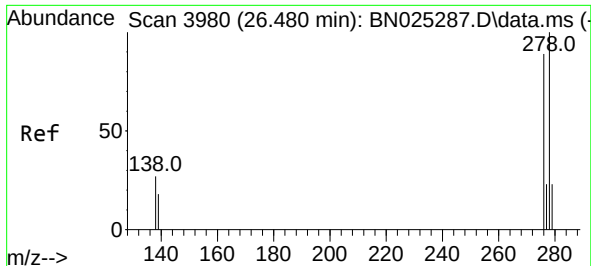
Tgt Ion:252 Resp: 11
Ion Ratio Lower Upper
252 100
253 144.4 20.6 30.8#
125 155.5 13.1 19.7#



#39
Benzo(a)pyrene
Concen: 0.277 ng
RT: 23.894 min Scan# 3095
Delta R.T. 0.066 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

Tgt Ion:252 Resp: 9
Ion Ratio Lower Upper
252 100
253 150.0 21.4 32.0#
125 155.6 15.4 23.2#

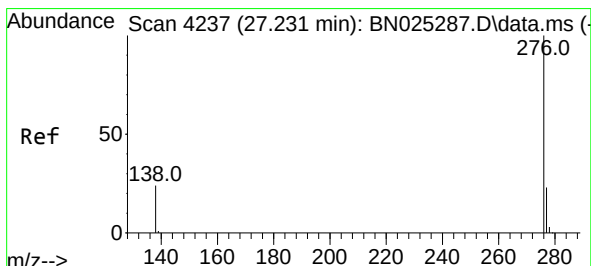
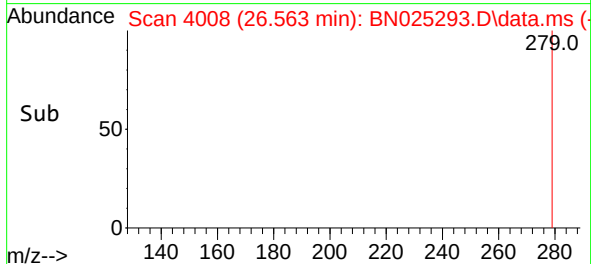
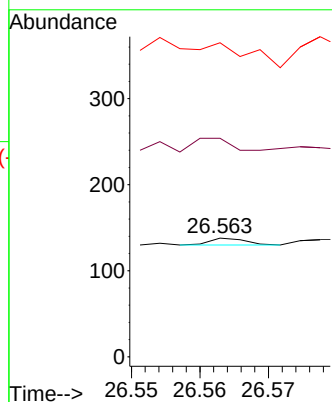
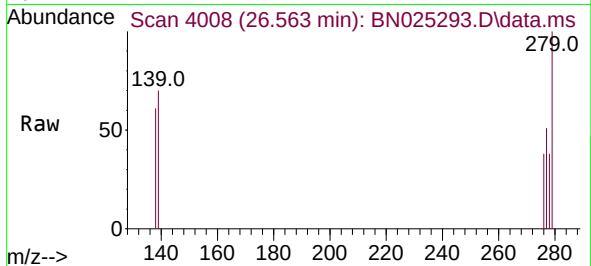




#40
Dibenzo(a,h)anthracene
Concen: 0.095 ng
RT: 26.563 min Scan# 408
Delta R.T. 0.083 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

Instrument :
BNA_N
ClientSampleId :
PB152603BL

Tgt Ion:278 Resp: 3
Ion Ratio Lower Upper
278 100
139 184.1 17.6 26.4#
279 264.5 21.6 32.4#



#41
Benzo(g,h,i)perylene
Concen: 0.058 ng
RT: 27.314 min Scan# 4265
Delta R.T. 0.083 min
Lab File: BN025293.D
Acq: 06 May 2023 00:24

Tgt Ion:276 Resp: 2
Ion Ratio Lower Upper
276 100
277 125.8 20.1 30.1#
138 145.0 21.0 31.6#

