

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100422\
 Data File : BN022008.D
 Acq On : 04 Oct 2022 15:37
 Operator : CG/JU
 Sample : N4971-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 04 23:04:59 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 01:32:21 2022
 Response via : Initial Calibration

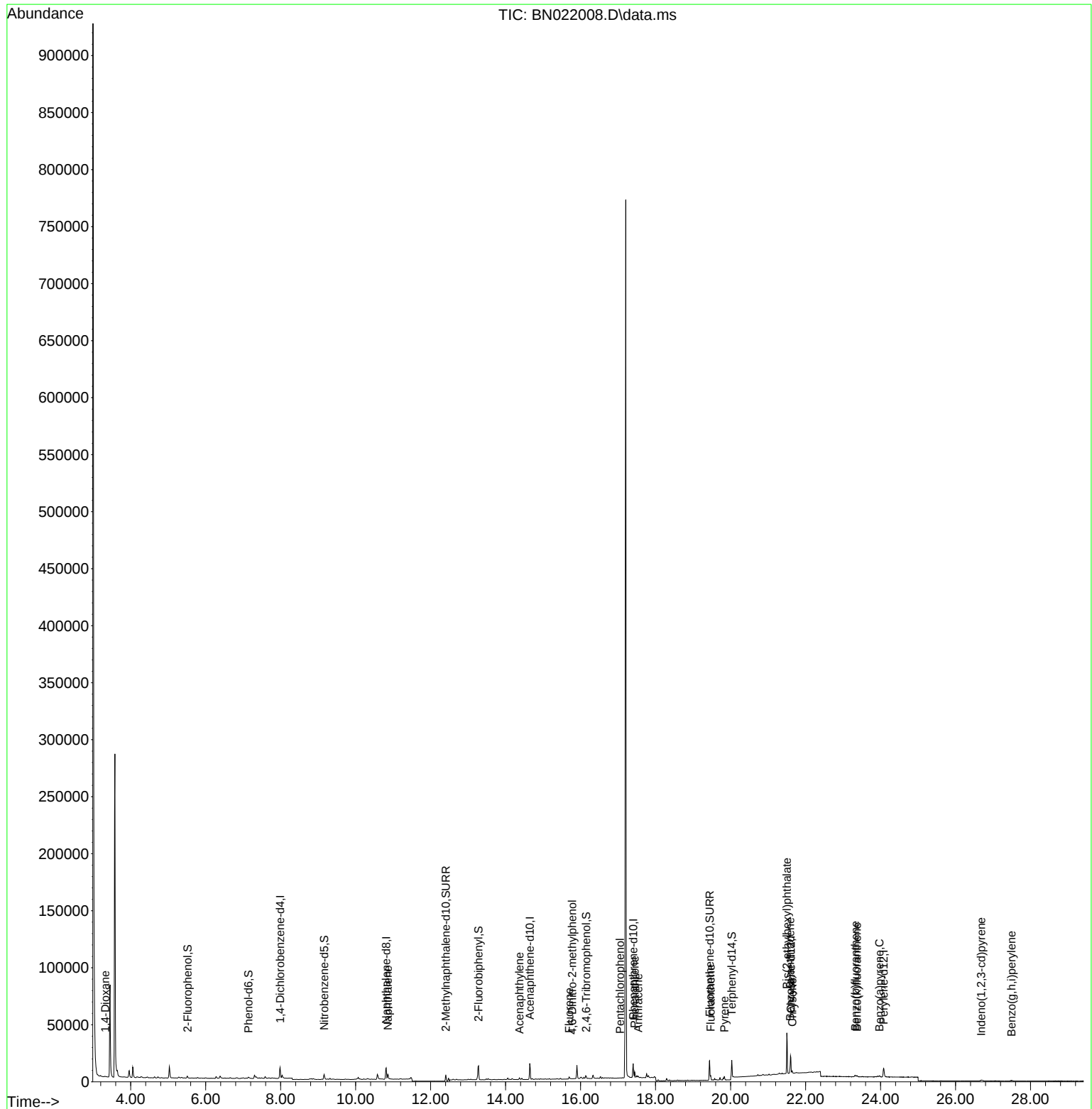
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.985	152	4458	0.400	ng	0.00
7) Naphthalene-d8	10.816	136	14108	0.400	ng	0.00
13) Acenaphthene-d10	14.646	164	7768	0.400	ng	0.00
19) Phenanthrene-d10	17.403	188	15740	0.400	ng	# 0.00
29) Chrysene-d12	21.608	240	13700	0.400	ng	0.00
35) Perylene-d12	24.084	264	11463	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.515	112	1460	0.141	ng	0.00
5) Phenol-d6	7.140	99	1105	0.082	ng	0.00
8) Nitrobenzene-d5	9.161	82	3890	0.343	ng	0.00
11) 2-Methylnaphthalene-d10	12.406	152	7009	0.270	ng	0.00
14) 2,4,6-Tribromophenol	16.150	330	1267	0.428	ng	0.00
15) 2-Fluorobiphenyl	13.278	172	11227	0.331	ng	0.00
27) Fluoranthene-d10	19.441	212	17382	0.415	ng	0.00
31) Terphenyl-d14	20.032	244	11324	0.411	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.320	88	138	0.024	ng	# 1
9) Naphthalene	10.859	128	5799	0.136	ng	97
16) Acenaphthylene	14.368	152	1316	0.036	ng	97
18) Fluorene	15.694	166	1159	0.037	ng	# 99
20) 4,6-Dinitro-2-methylph...	15.777	198	31	0.202	ng	# 1
24) Pentachlorophenol	17.056	266	82	0.022	ng	86
25) Phenanthrene	17.441	178	5189	0.096	ng	98
26) Anthracene	17.540	178	1661	0.038	ng	# 90
28) Fluoranthene	19.470	202	3076	0.053	ng	# 86
30) Pyrene	19.833	202	2636	0.044	ng	# 93
32) Benzo(a)anthracene	21.591	228	2044	0.040	ng	# 83
33) Chrysene	21.644	228	1757	0.031	ng	# 83
34) Bis(2-ethylhexyl)phtha...	21.501	149	33190	1.343	ng	98
36) Indeno(1,2,3-cd)pyrene	26.686	276	1165	0.020	ng	# 88
37) Benzo(b)fluoranthene	23.324	252	1858	0.034	ng	# 1
38) Benzo(k)fluoranthene	23.367	252	1226	0.023	ng	# 1
39) Benzo(a)pyrene	23.970	252	1382	0.033	ng	# 1
41) Benzo(g,h,i)perylene	27.496	276	1103	0.022	ng	# 60

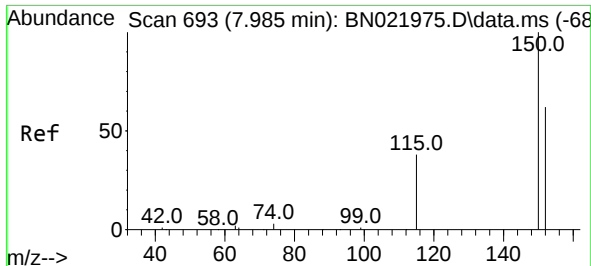
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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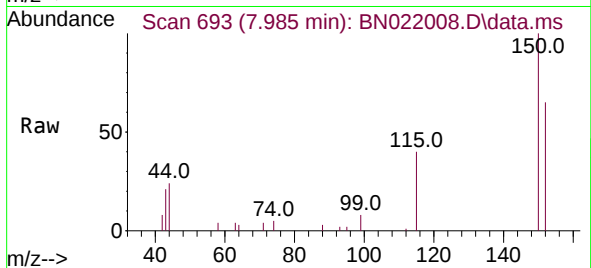
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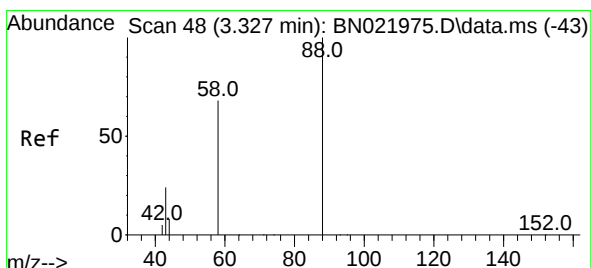
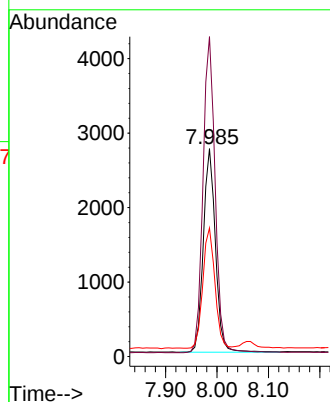
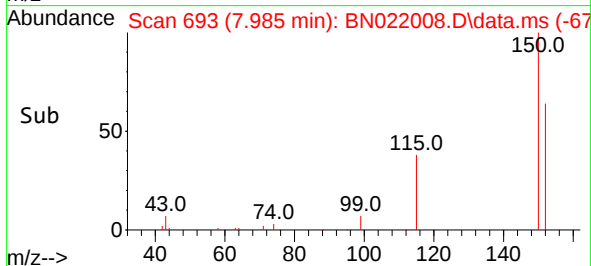


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.985 min Scan# 69
 Delta R.T. 0.000 min
 Lab File: BN022008.D
 Acq: 04 Oct 2022 15:37

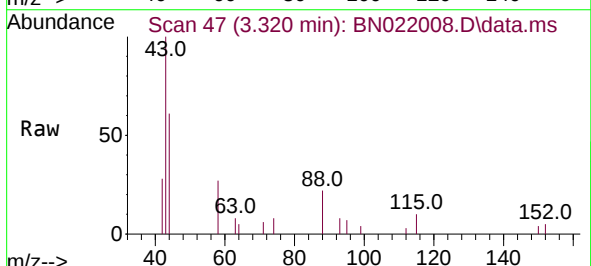
Instrument :
 BNA_N
 ClientSampleId :



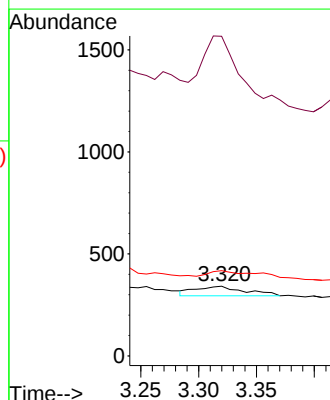
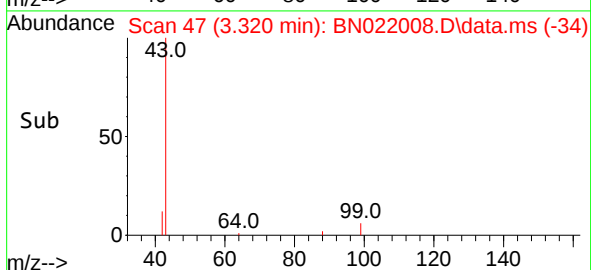
Tgt Ion:152 Resp: 4458
 Ion Ratio Lower Upper
 152 100
 150 153.9 127.2 190.8
 115 61.8 51.4 77.0

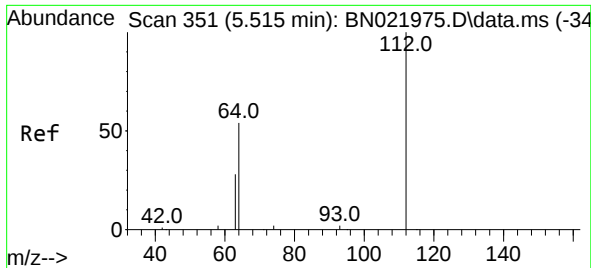


#2
 1,4-Dioxane
 Concen: 0.024 ng
 RT: 3.320 min Scan# 47
 Delta R.T. -0.007 min
 Lab File: BN022008.D
 Acq: 04 Oct 2022 15:37



Tgt Ion: 88 Resp: 138
 Ion Ratio Lower Upper
 88 100
 43 460.9 22.6 34.0#
 58 60.9 58.6 88.0

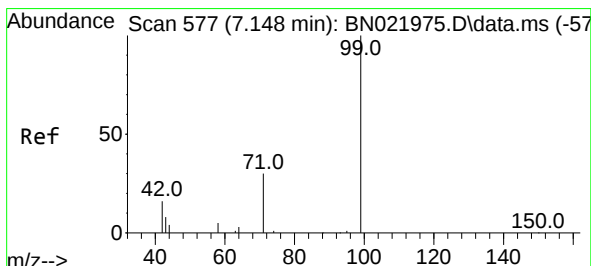
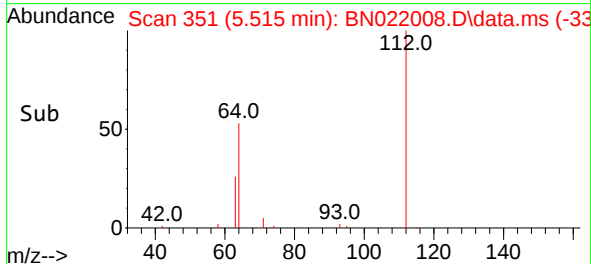
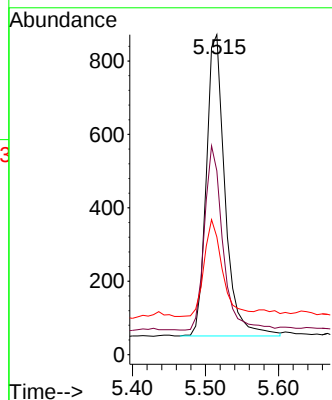
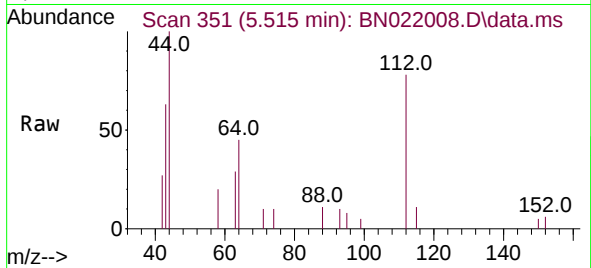




#4
2-Fluorophenol
Concen: 0.141 ng
RT: 5.515 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN022008.D
Acq: 04 Oct 2022 15:37

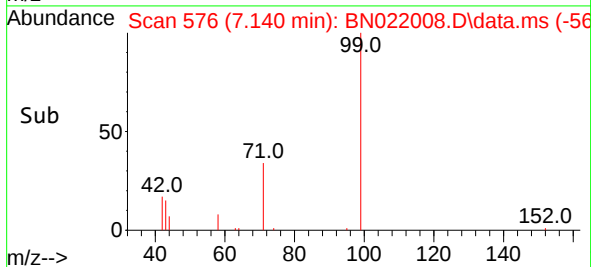
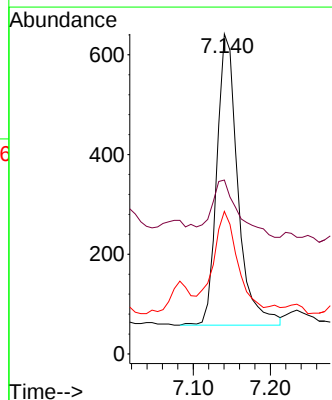
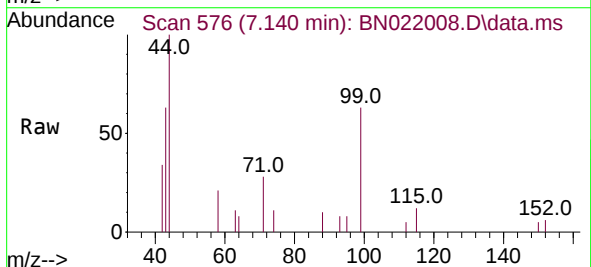
Instrument :
BNA_N
ClientSampleId :

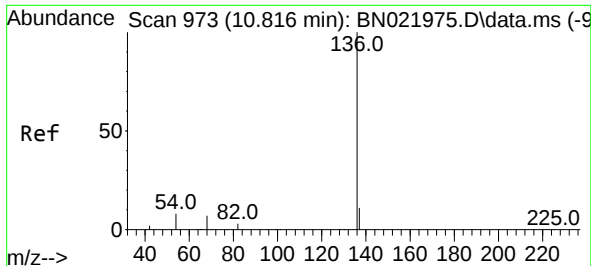
Tgt Ion:	112	Resp:	1460
Ion Ratio	Lower	Upper	
112	100		
64	59.9	46.9	70.3
63	31.6	24.6	37.0



#5
Phenol-d6
Concen: 0.082 ng
RT: 7.140 min Scan# 576
Delta R.T. -0.007 min
Lab File: BN022008.D
Acq: 04 Oct 2022 15:37

Tgt Ion:	99	Resp:	1105
Ion Ratio	Lower	Upper	
99	100		
42	25.2	15.9	23.9#
71	39.9	25.6	38.4#

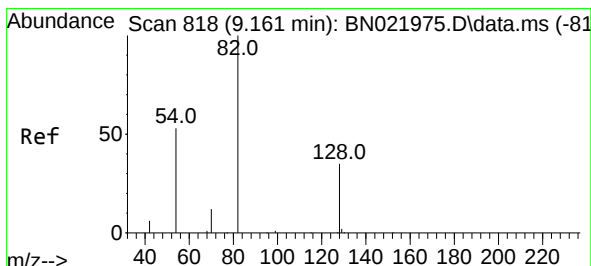
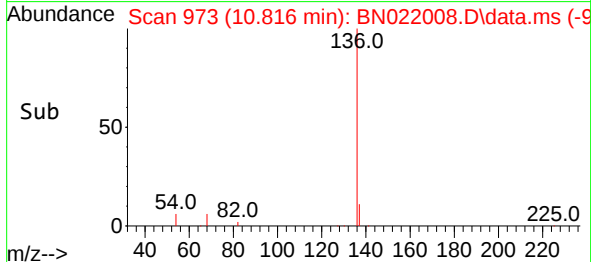
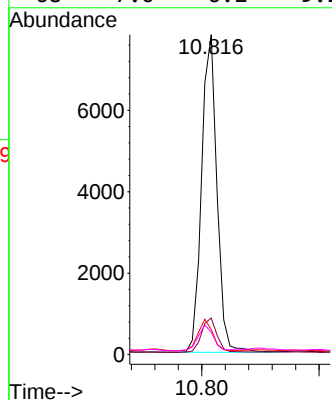
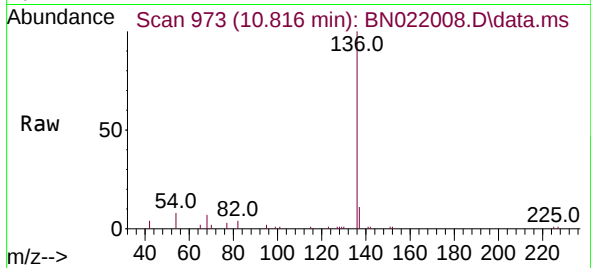




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.816 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN022008.D
Acq: 04 Oct 2022 15:37

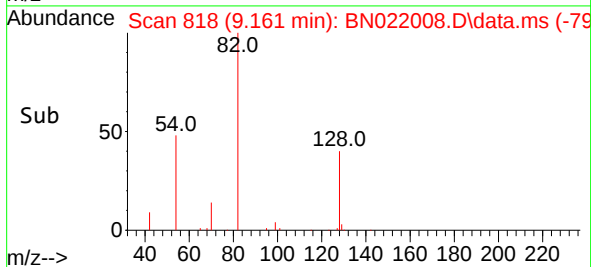
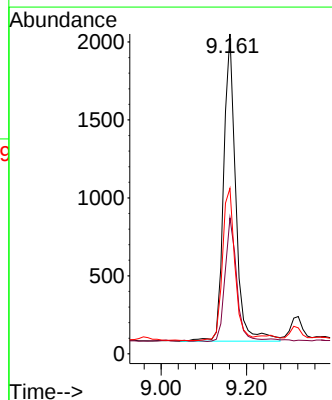
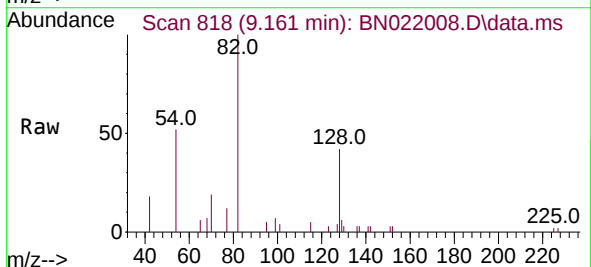
Instrument :
BNA_N
ClientSampleId :

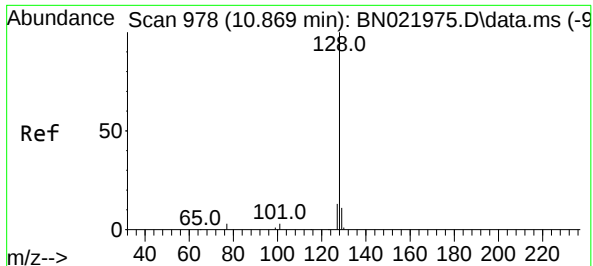
Tgt Ion:	136	Resp:	14108
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.2	13.8
54	7.9	7.1	10.7
68	7.0	6.2	9.2



#8
Nitrobenzene-d5
Concen: 0.343 ng
RT: 9.161 min Scan# 818
Delta R.T. -0.000 min
Lab File: BN022008.D
Acq: 04 Oct 2022 15:37

Tgt Ion:	82	Resp:	3890
Ion Ratio	Lower	Upper	
82	100		
128	42.5	29.9	44.9
54	51.7	43.5	65.3

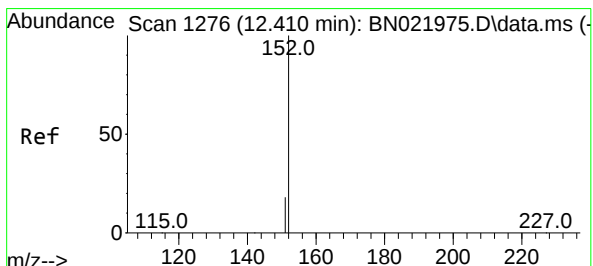
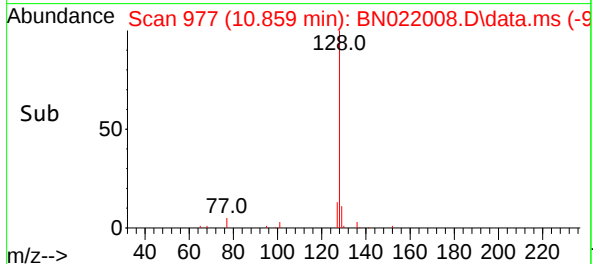
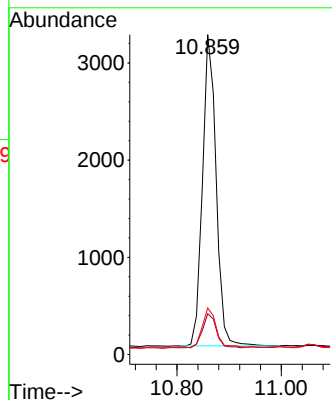
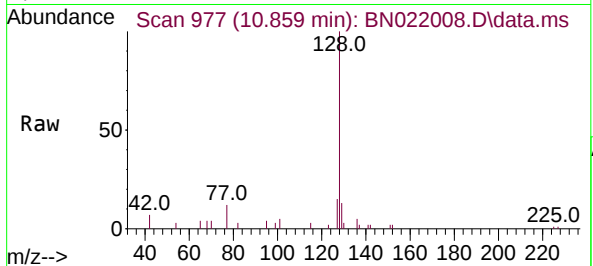




#9
Naphthalene
Concen: 0.136 ng
RT: 10.859 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN022008.D
Acq: 04 Oct 2022 15:37

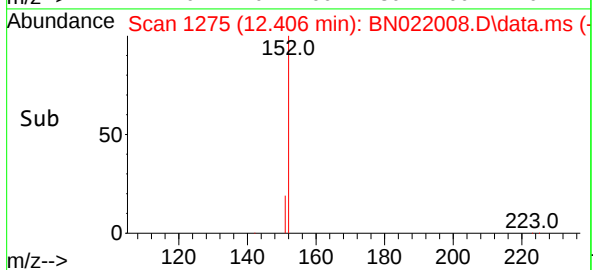
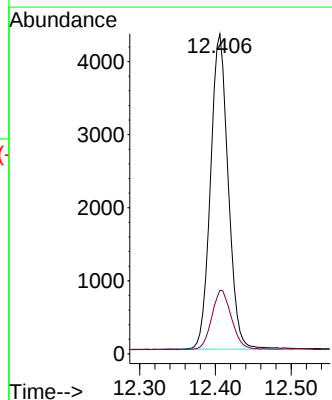
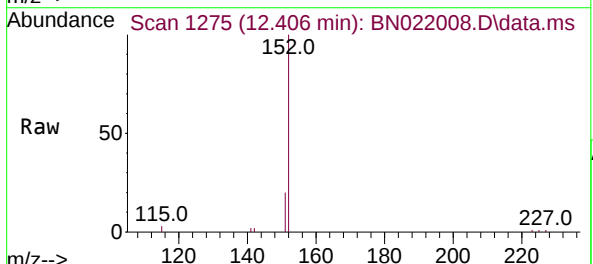
Instrument :
BNA_N
ClientSampleId :

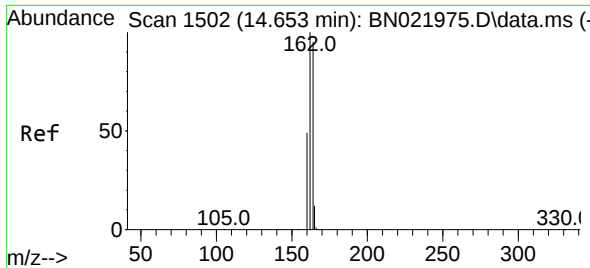
Tgt Ion:128 Resp: 5799
Ion Ratio Lower Upper
128 100
129 12.8 9.3 13.9
127 14.6 10.6 16.0



#11
2-Methylnaphthalene-d10
Concen: 0.270 ng
RT: 12.406 min Scan# 1275
Delta R.T. -0.004 min
Lab File: BN022008.D
Acq: 04 Oct 2022 15:37

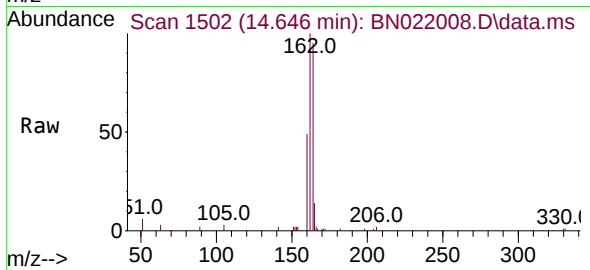
Tgt Ion:152 Resp: 7009
Ion Ratio Lower Upper
152 100
151 20.8 13.8 20.6#



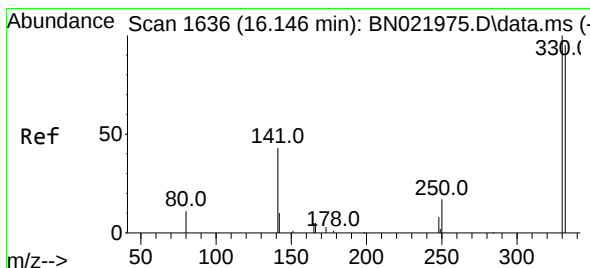
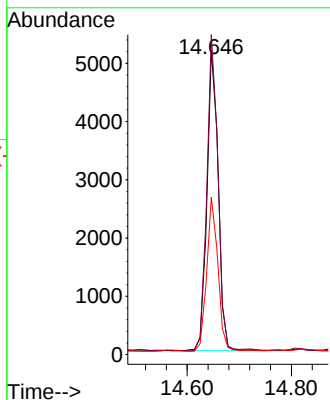
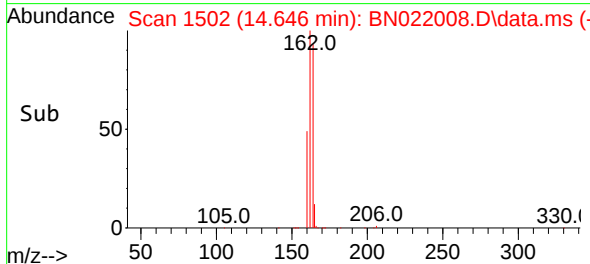


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.646 min Scan# 11
Delta R.T. -0.007 min
Lab File: BN022008.D
Acq: 04 Oct 2022 15:37

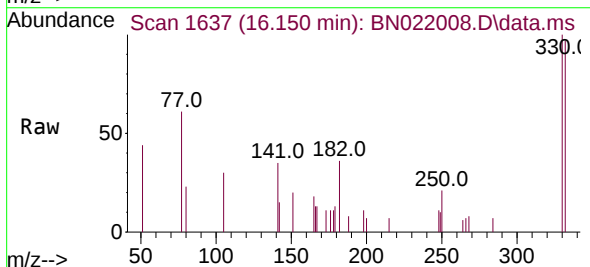
Instrument :
BNA_N
ClientSampleId :



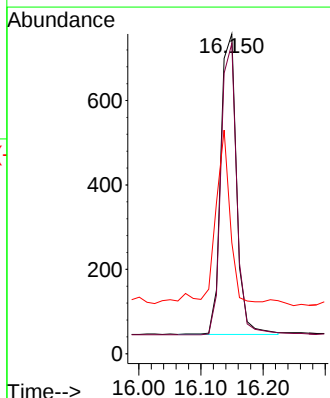
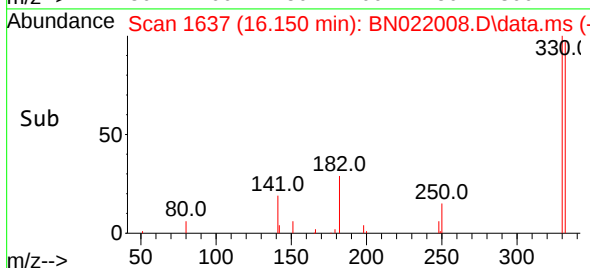
Tgt Ion:164 Resp: 7768
Ion Ratio Lower Upper
164 100
162 105.2 84.3 126.5
160 51.8 41.7 62.5

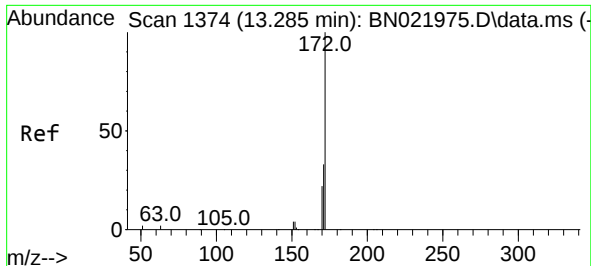


#14
2,4,6-Tribromophenol
Concen: 0.428 ng
RT: 16.150 min Scan# 1637
Delta R.T. 0.004 min
Lab File: BN022008.D
Acq: 04 Oct 2022 15:37



Tgt Ion:330 Resp: 1267
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 50.4 35.3 52.9

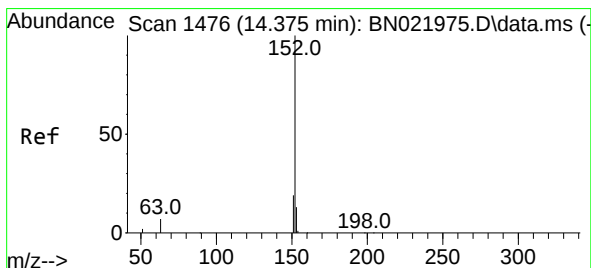
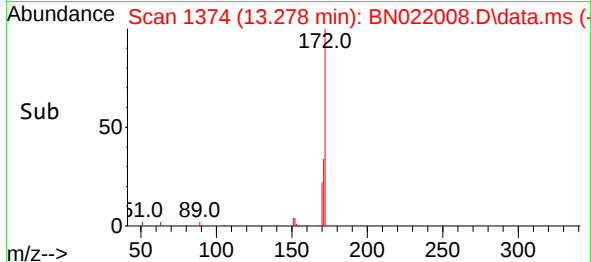
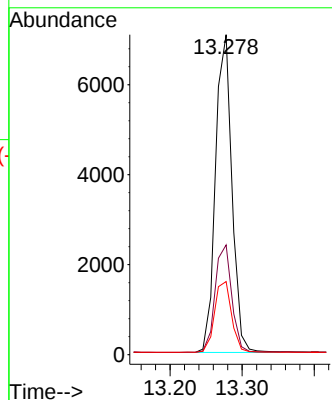
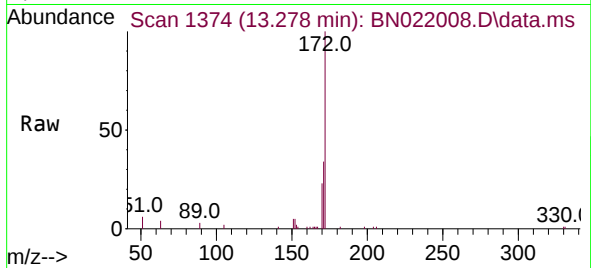




#15
2-Fluorobiphenyl
Concen: 0.331 ng
RT: 13.278 min Scan# 1374
Delta R.T. -0.007 min
Lab File: BN022008.D
Acq: 04 Oct 2022 15:37

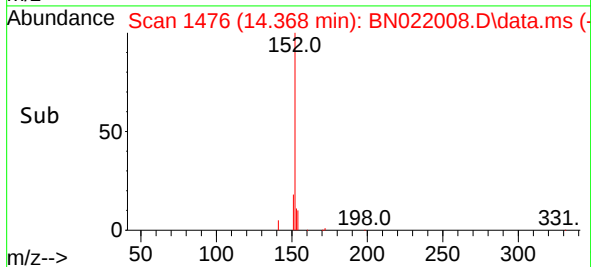
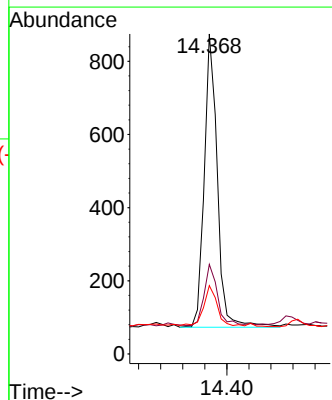
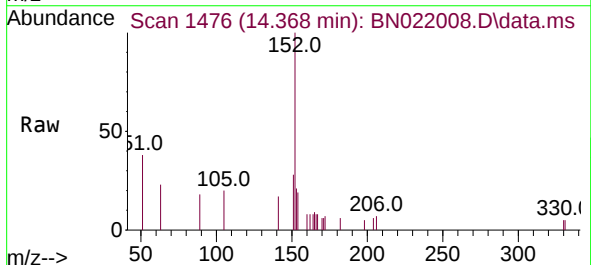
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BNA_N
ClientSampleId :

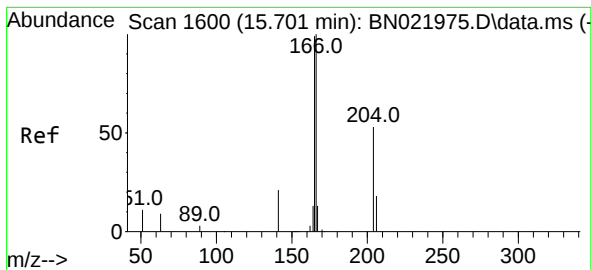
Tgt Ion:172 Resp: 11227
Ion Ratio Lower Upper
172 100
171 34.3 27.2 40.8
170 22.8 18.3 27.5



#16
Acenaphthylene
Concen: 0.036 ng
RT: 14.368 min Scan# 1476
Delta R.T. -0.007 min
Lab File: BN022008.D
Acq: 04 Oct 2022 15:37

Tgt Ion:152 Resp: 1316
Ion Ratio Lower Upper
152 100
151 21.0 15.5 23.3
153 13.8 10.4 15.6





#18

Fluorene

Concen: 0.037 ng

RT: 15.694 min Scan# 1600

Delta R.T. -0.007 min

Lab File: BN022008.D

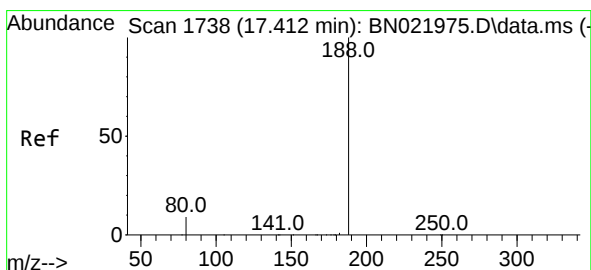
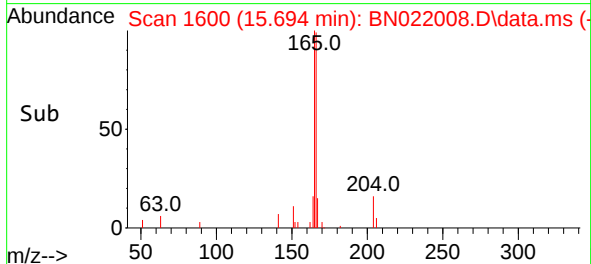
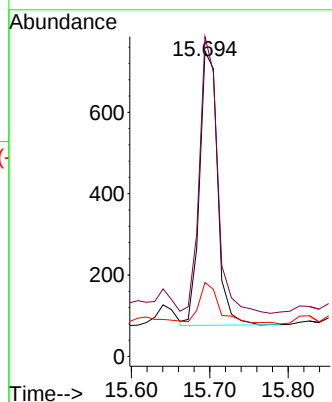
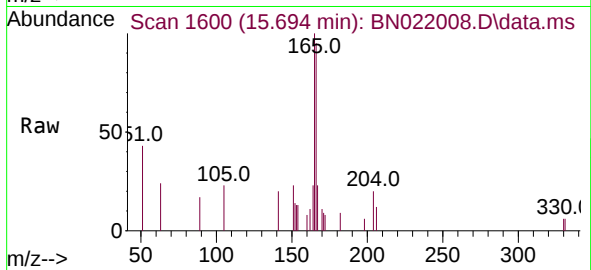
Acq: 04 Oct 2022 15:37

Instrument :

BNA_N

ClientSampleId :

Tgt Ion:	166	Resp:	1159
Ion	Ratio	Lower	Upper
166	100		
165	100.4	80.0	120.0
167	17.1	10.9	16.3



#19

Phenanthrene-d10

Concen: 0.400 ng

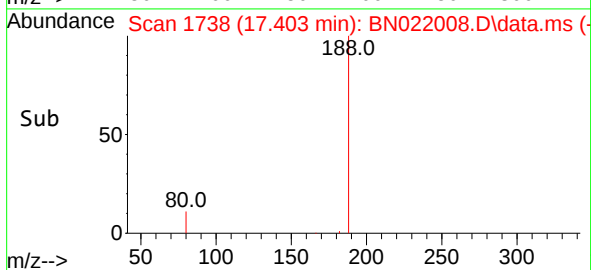
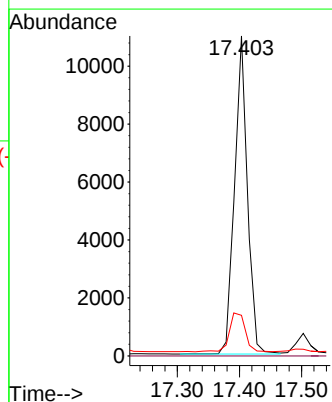
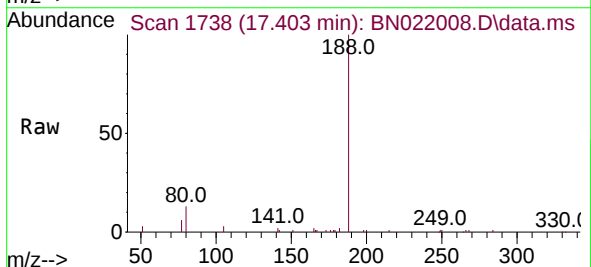
RT: 17.403 min Scan# 1738

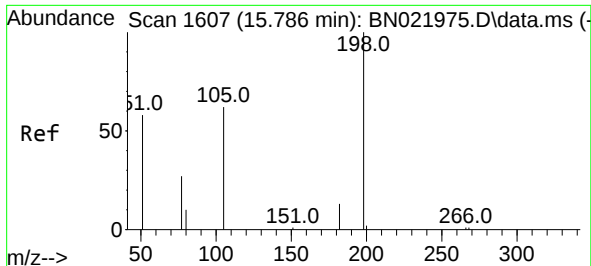
Delta R.T. -0.009 min

Lab File: BN022008.D

Acq: 04 Oct 2022 15:37

Tgt Ion:	188	Resp:	15740
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.7	7.5	11.3





#20

4,6-Dinitro-2-methylphenol

Concen: 0.202 ng

RT: 15.777 min Scan# 1607

Delta R.T. -0.009 min

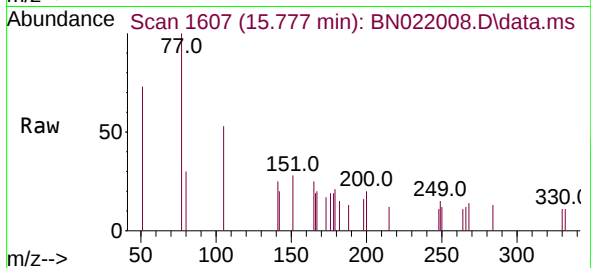
Lab File: BN022008.D

Acq: 04 Oct 2022 15:37

Instrument :

BNA_N

ClientSampleId :



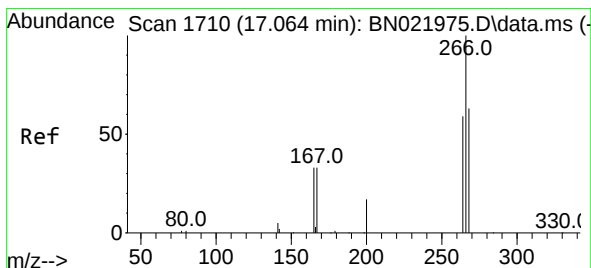
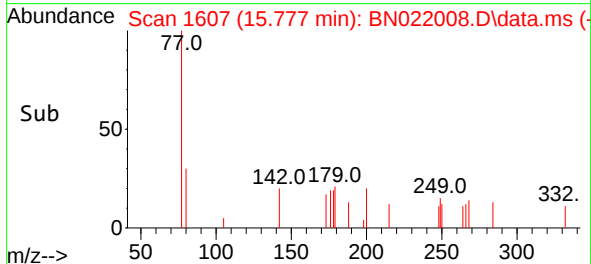
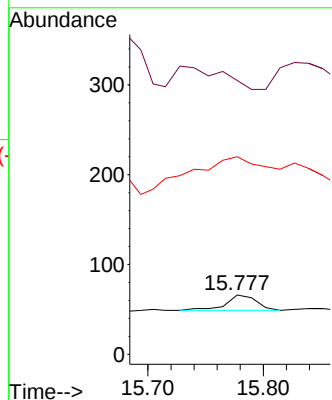
Tgt Ion:198 Resp: 31

Ion Ratio Lower Upper

198 100

51 462.1 96.6 144.8#

105 333.3 64.4 96.6#



#24

Pentachlorophenol

Concen: 0.022 ng

RT: 17.056 min Scan# 1710

Delta R.T. -0.008 min

Lab File: BN022008.D

Acq: 04 Oct 2022 15:37

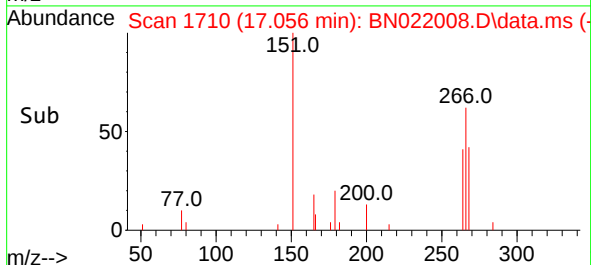
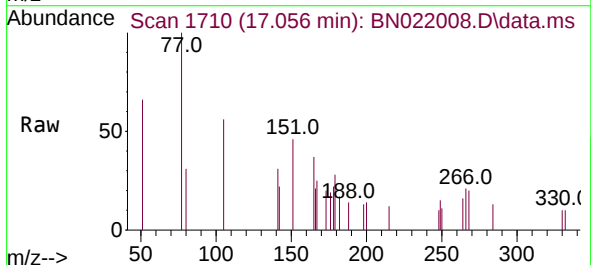
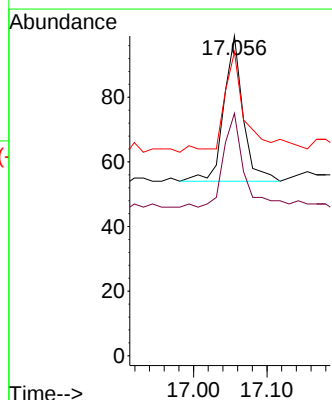
Tgt Ion:266 Resp: 82

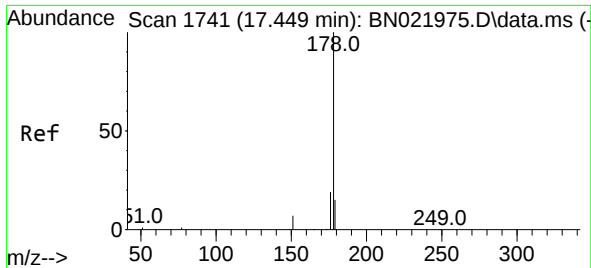
Ion Ratio Lower Upper

266 100

264 73.2 49.8 74.6

268 72.0 49.6 74.4

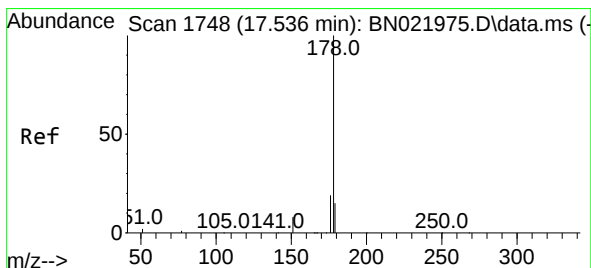
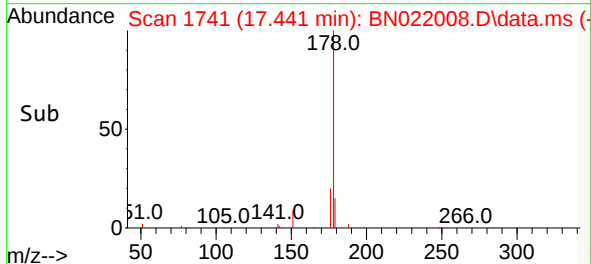
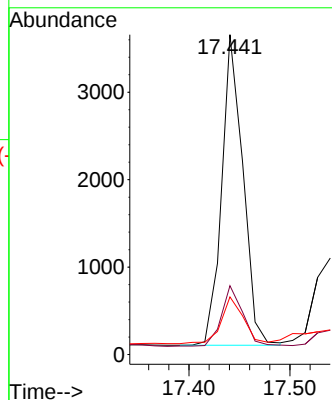
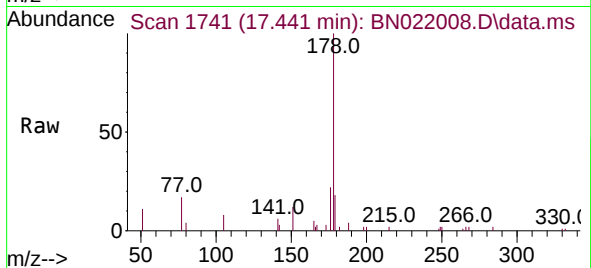




#25
Phenanthrene
Concen: 0.096 ng
RT: 17.441 min Scan# 1741
Delta R.T. -0.009 min
Lab File: BN022008.D
Acq: 04 Oct 2022 15:37

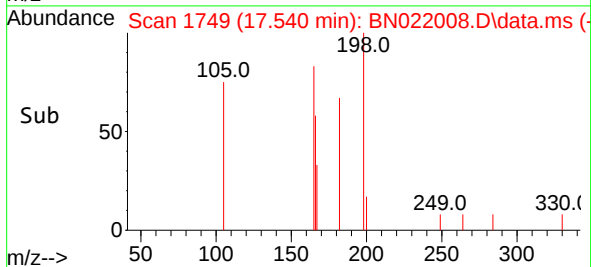
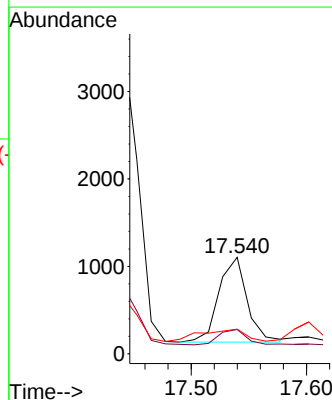
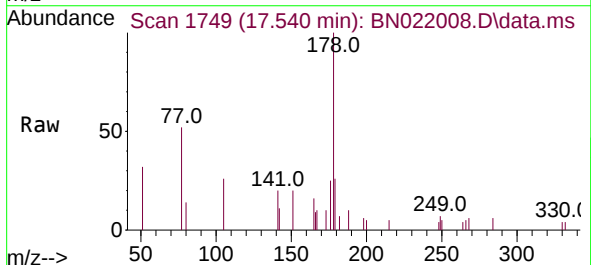
Instrument :
BNA_N
ClientSampleId :

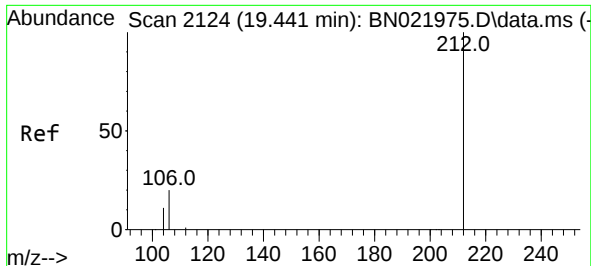
Tgt Ion:178 Resp: 5189
Ion Ratio Lower Upper
178 100
176 20.3 15.4 23.0
179 16.2 12.2 18.2



#26
Anthracene
Concen: 0.038 ng
RT: 17.540 min Scan# 1749
Delta R.T. 0.004 min
Lab File: BN022008.D
Acq: 04 Oct 2022 15:37

Tgt Ion:178 Resp: 1661
Ion Ratio Lower Upper
178 100
176 19.3 14.8 22.2
179 23.6 12.2 18.2#

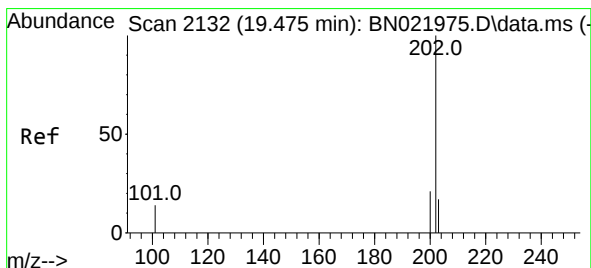
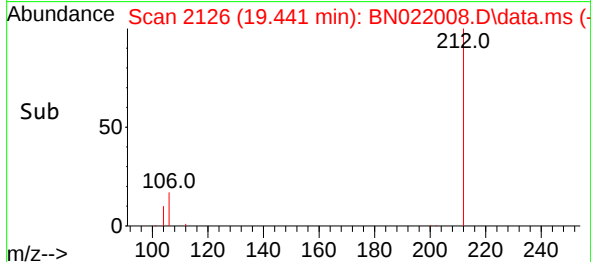
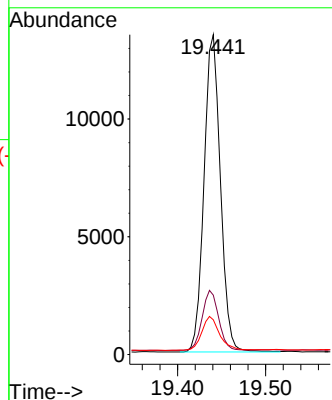
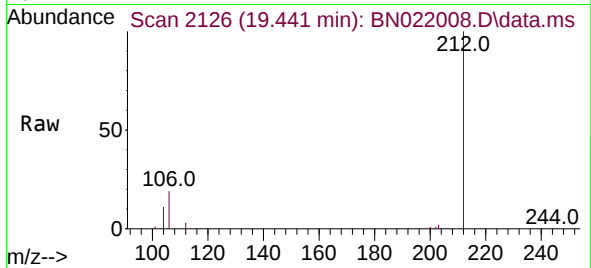




#27
Fluoranthene-d10
Concen: 0.415 ng
RT: 19.441 min Scan# 2124
Delta R.T. -0.000 min
Lab File: BN022008.D
Acq: 04 Oct 2022 15:37

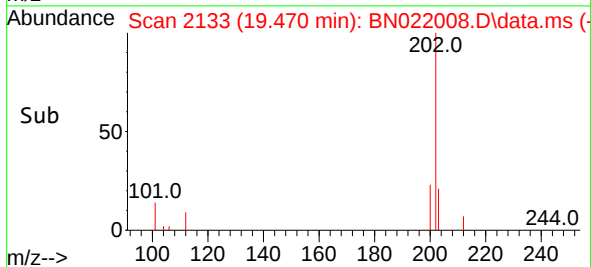
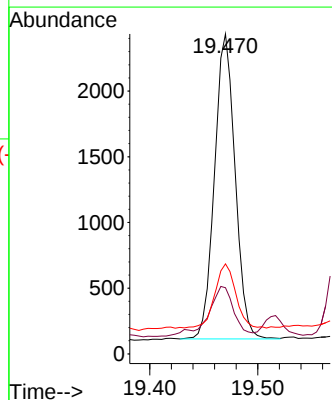
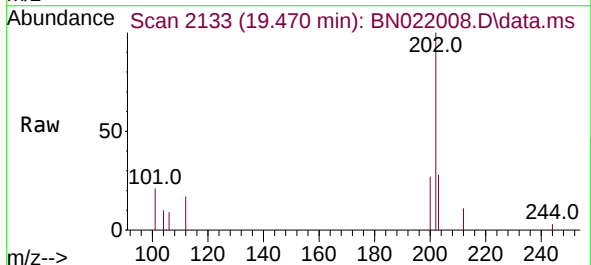
Instrument :
BNA_N
ClientSampleId :

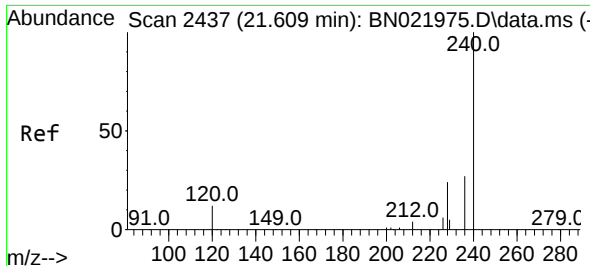
Tgt Ion:212 Resp: 17382
Ion Ratio Lower Upper
212 100
106 19.2 15.2 22.8
104 11.6 8.6 13.0



#28
Fluoranthene
Concen: 0.053 ng
RT: 19.470 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BN022008.D
Acq: 04 Oct 2022 15:37

Tgt Ion:202 Resp: 3076
Ion Ratio Lower Upper
202 100
101 21.0 11.4 17.0#
203 22.0 13.5 20.3#

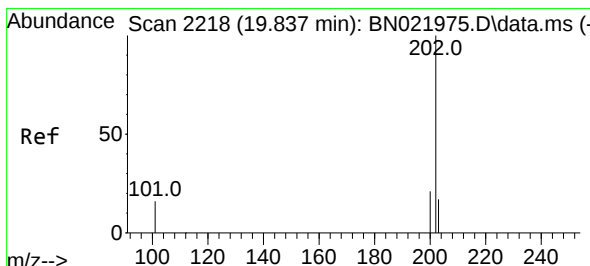
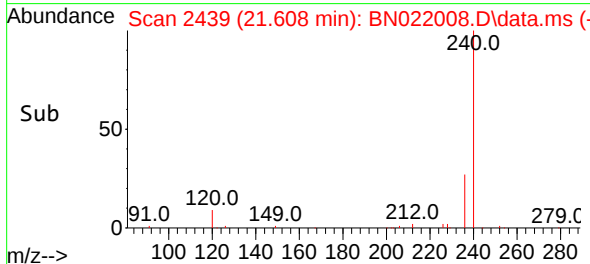
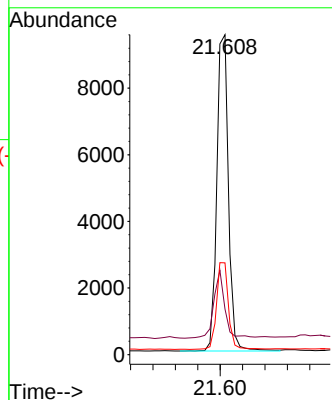
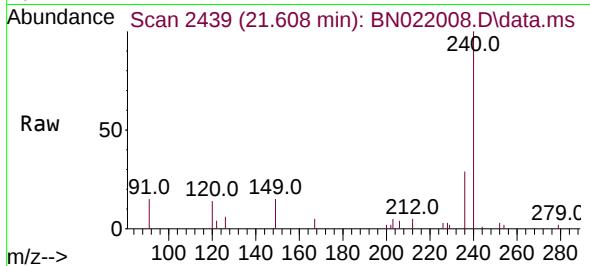




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.608 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BN022008.D
Acq: 04 Oct 2022 15:37

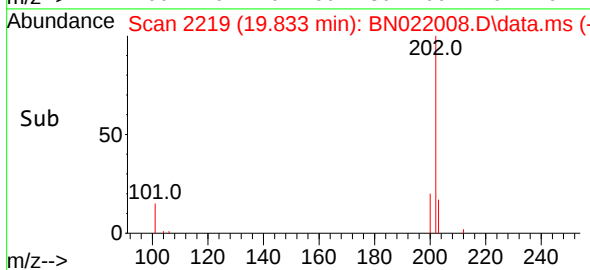
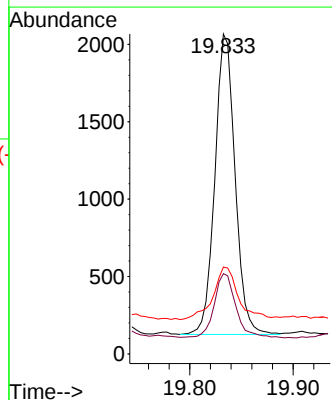
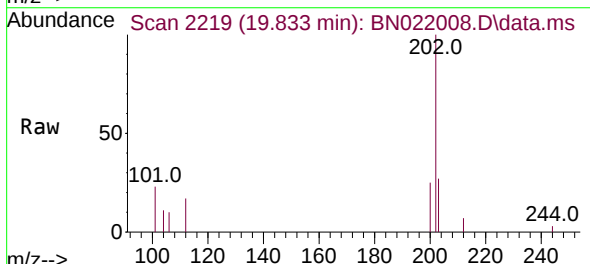
Instrument :
BNA_N
ClientSampleId :

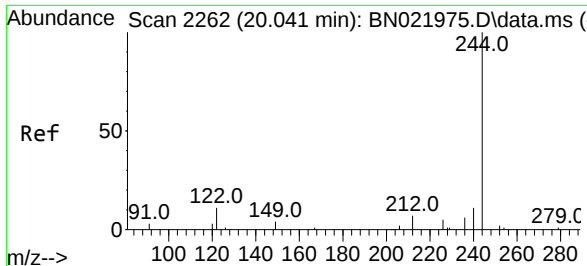
Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.2	11.8	17.6
236	28.7	22.4	33.6



#30
Pyrene
Concen: 0.044 ng
RT: 19.833 min Scan# 2219
Delta R.T. -0.005 min
Lab File: BN022008.D
Acq: 04 Oct 2022 15:37

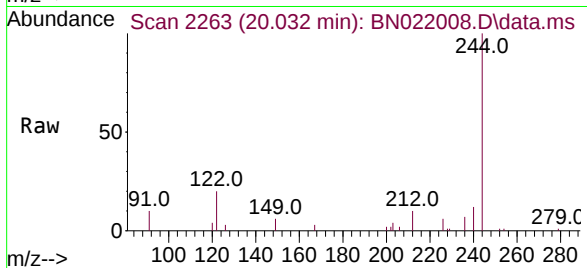
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.9	16.6	25.0
203	21.7	14.1	21.1



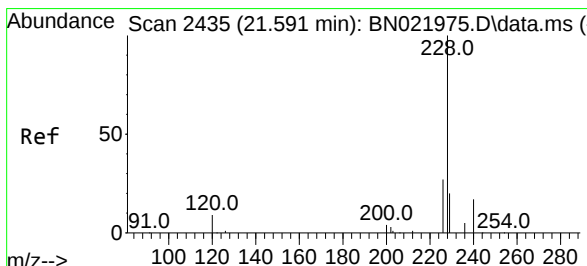
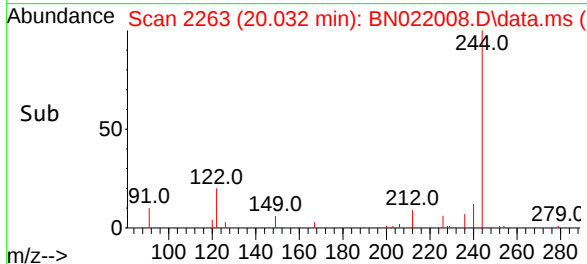
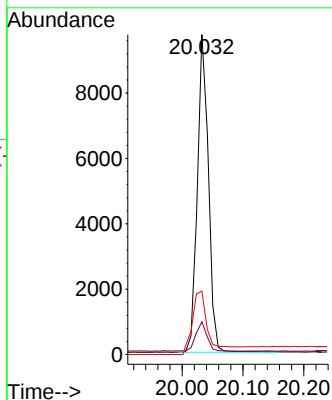


#31
 Terphenyl-d14
 Concen: 0.411 ng
 RT: 20.032 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN022008.D
 Acq: 04 Oct 2022 15:37

Instrument :
 BNA_N
 ClientSampleId :

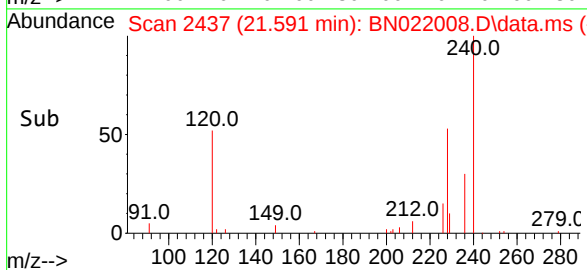
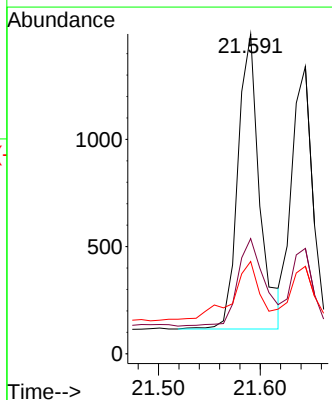
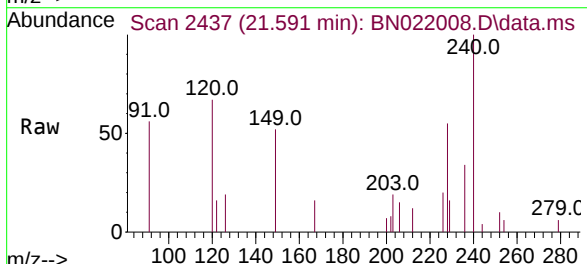


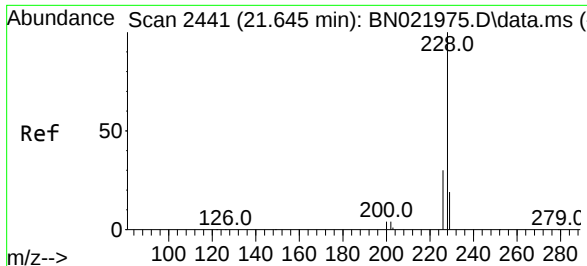
Tgt Ion:244 Resp: 11324
 Ion Ratio Lower Upper
 244 100
 212 10.3 6.5 9.7#
 122 19.8 9.1 13.7#



#32
 Benzo(a)anthracene
 Concen: 0.040 ng
 RT: 21.591 min Scan# 2437
 Delta R.T. -0.000 min
 Lab File: BN022008.D
 Acq: 04 Oct 2022 15:37

Tgt Ion:228 Resp: 2044
 Ion Ratio Lower Upper
 228 100
 226 36.0 22.2 33.4#
 229 28.9 16.2 24.2#





#33

Chrysene

Concen: 0.031 ng

RT: 21.644 min Scan# 2441

Delta R.T. -0.000 min

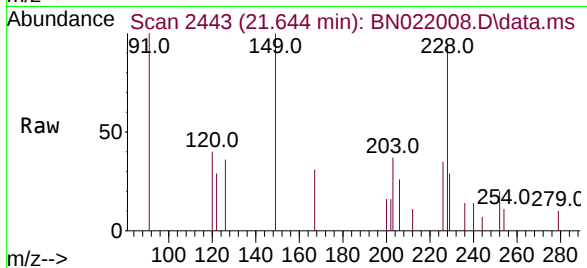
Lab File: BN022008.D

Acq: 04 Oct 2022 15:37

Instrument :

BNA_N

ClientSampleId :



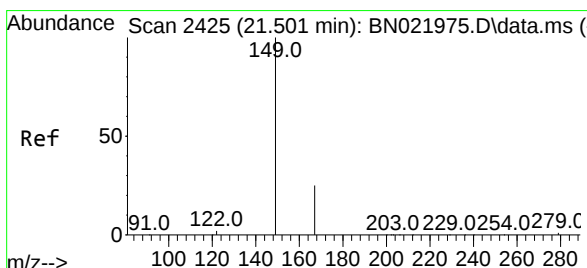
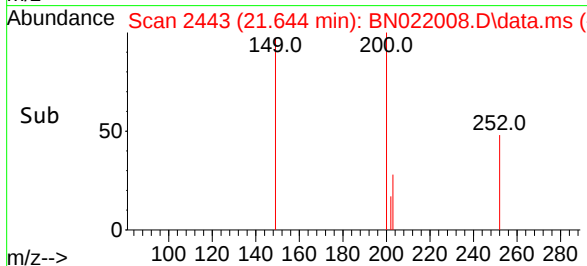
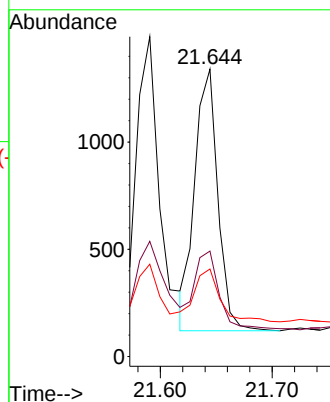
Tgt Ion:228 Resp: 1757

Ion Ratio Lower Upper

228 100

226 36.7 24.2 36.2#

229 30.4 15.8 23.6#



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.343 ng

RT: 21.501 min Scan# 2427

Delta R.T. -0.000 min

Lab File: BN022008.D

Acq: 04 Oct 2022 15:37

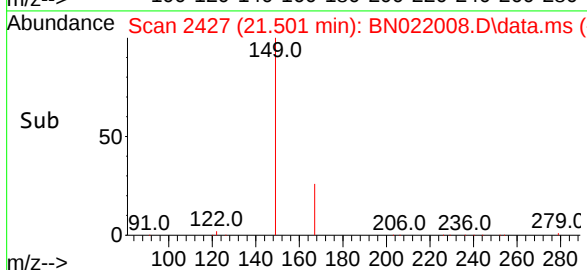
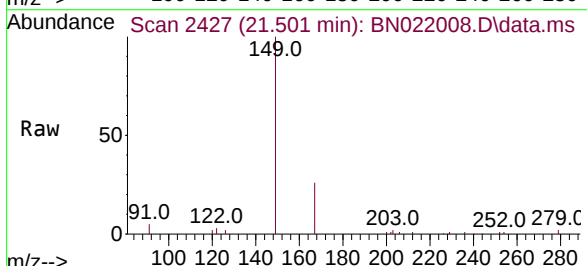
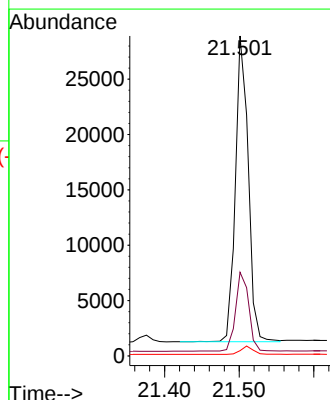
Tgt Ion:149 Resp: 33190

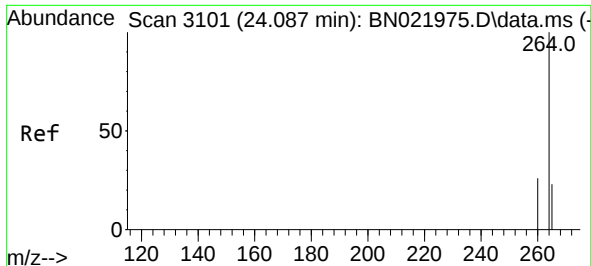
Ion Ratio Lower Upper

149 100

167 26.3 20.2 30.4

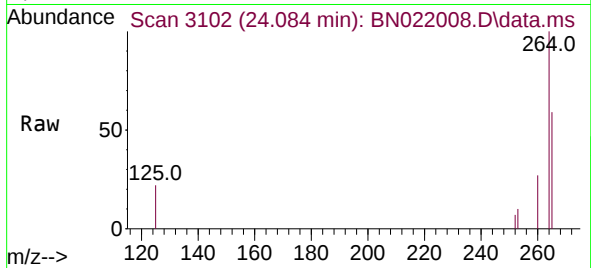
279 2.6 2.3 3.5



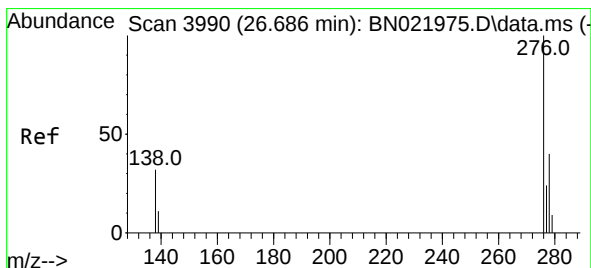
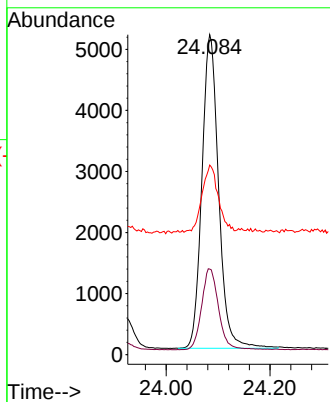
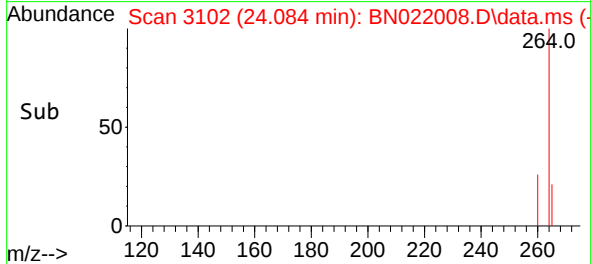


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.084 min Scan# 3101
 Delta R.T. -0.003 min
 Lab File: BN022008.D
 Acq: 04 Oct 2022 15:37

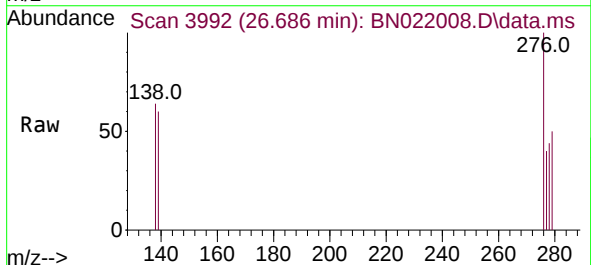
Instrument :
 BNA_N
 ClientSampleId :



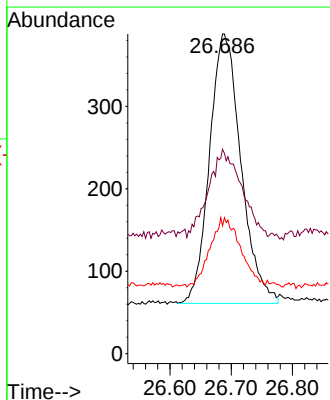
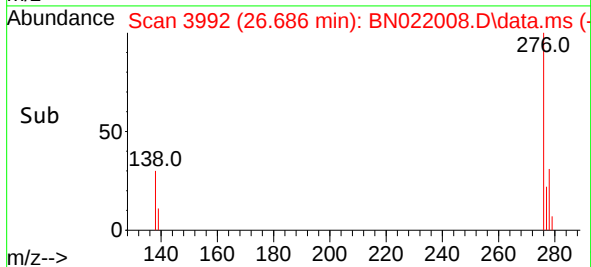
Tgt Ion:264 Resp: 11463
 Ion Ratio Lower Upper
 264 100
 260 26.7 21.3 31.9
 265 59.2 63.0 94.4#

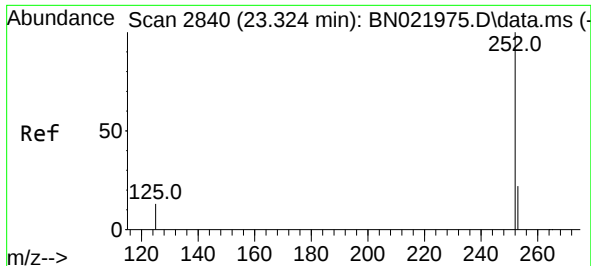


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.020 ng
 RT: 26.686 min Scan# 3992
 Delta R.T. -0.000 min
 Lab File: BN022008.D
 Acq: 04 Oct 2022 15:37



Tgt Ion:276 Resp: 1165
 Ion Ratio Lower Upper
 276 100
 138 34.3 28.0 42.0
 277 10.8 19.8 29.8#





#37

Benzo(b)fluoranthene

Concen: 0.034 ng

RT: 23.324 min Scan# 2840

Delta R.T. -0.000 min

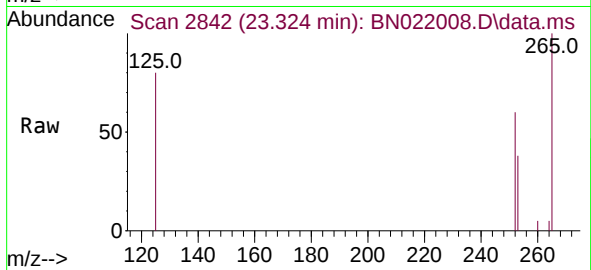
Lab File: BN022008.D

Acq: 04 Oct 2022 15:37

Instrument :

BNA_N

ClientSampleId :



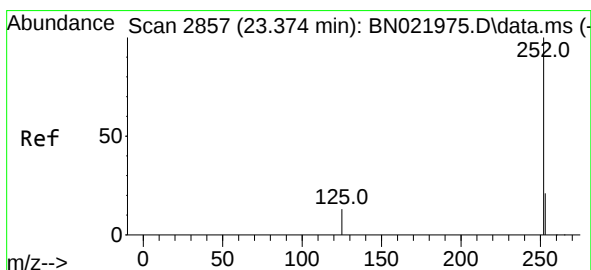
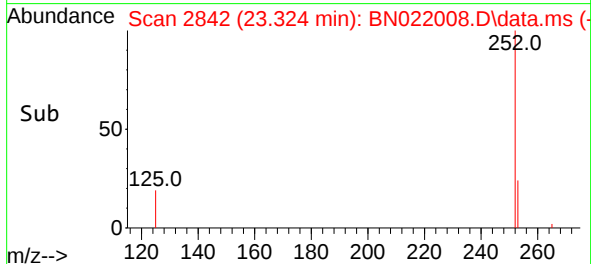
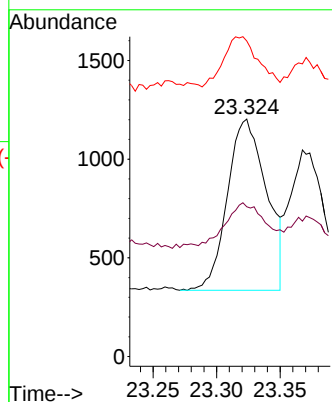
Tgt Ion:252 Resp: 1858

Ion Ratio Lower Upper

252 100

253 63.1 20.6 31.0#

125 132.9 15.6 23.4#



#38

Benzo(k)fluoranthene

Concen: 0.023 ng

RT: 23.367 min Scan# 2857

Delta R.T. -0.006 min

Lab File: BN022008.D

Acq: 04 Oct 2022 15:37

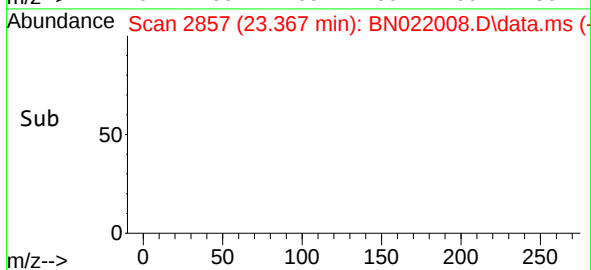
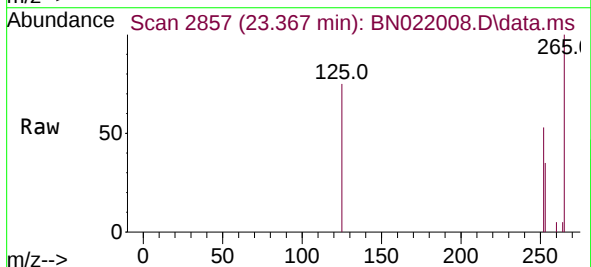
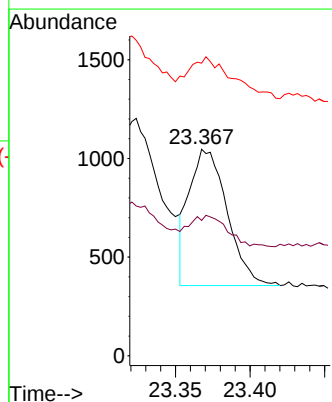
Tgt Ion:252 Resp: 1226

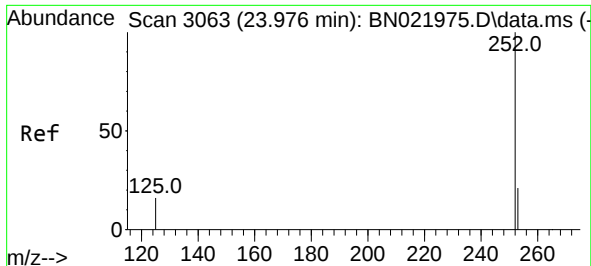
Ion Ratio Lower Upper

252 100

253 65.5 20.4 30.6#

125 141.6 15.8 23.6#





#39

Benzo(a)pyrene

Concen: 0.033 ng

RT: 23.970 min Scan# 3063

Delta R.T. -0.006 min

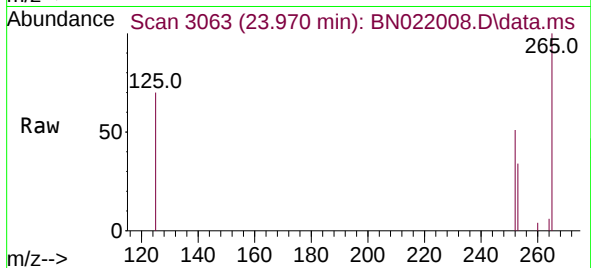
Lab File: BN022008.D

Acq: 04 Oct 2022 15:37

Instrument :

BNA_N

ClientSampleId :



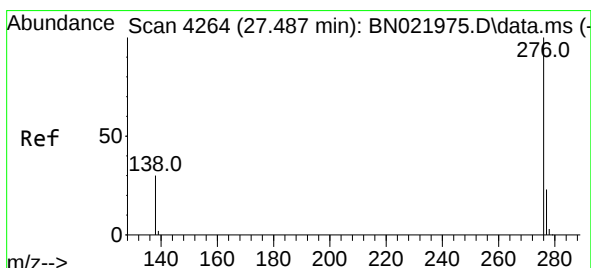
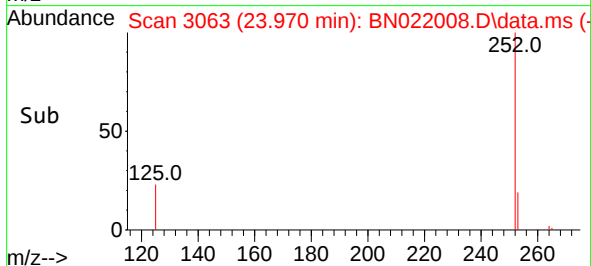
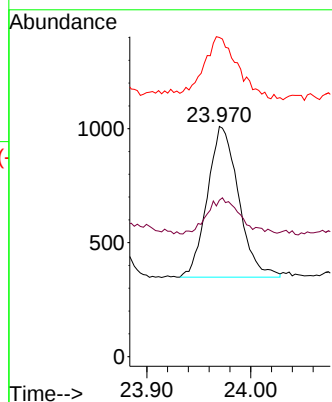
Tgt Ion:252 Resp: 1382

Ion Ratio Lower Upper

252 100

253 67.9 23.2 34.8#

125 138.6 21.1 31.7#



#41

Benzo(g,h,i)perylene

Concen: 0.022 ng

RT: 27.496 min Scan# 4269

Delta R.T. 0.008 min

Lab File: BN022008.D

Acq: 04 Oct 2022 15:37

Tgt Ion:276 Resp: 1103

Ion Ratio Lower Upper

276 100

277 40.3 20.0 30.0#

138 57.5 25.2 37.8#

