

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110122\
 Data File : BN022452.D
 Acq On : 02 Nov 2022 03:18
 Operator : CG/JU
 Sample : N5234-07
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LSP-SS-06-20-40

Quant Time: Nov 02 05:40:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 05:31:40 2022
 Response via : Initial Calibration

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

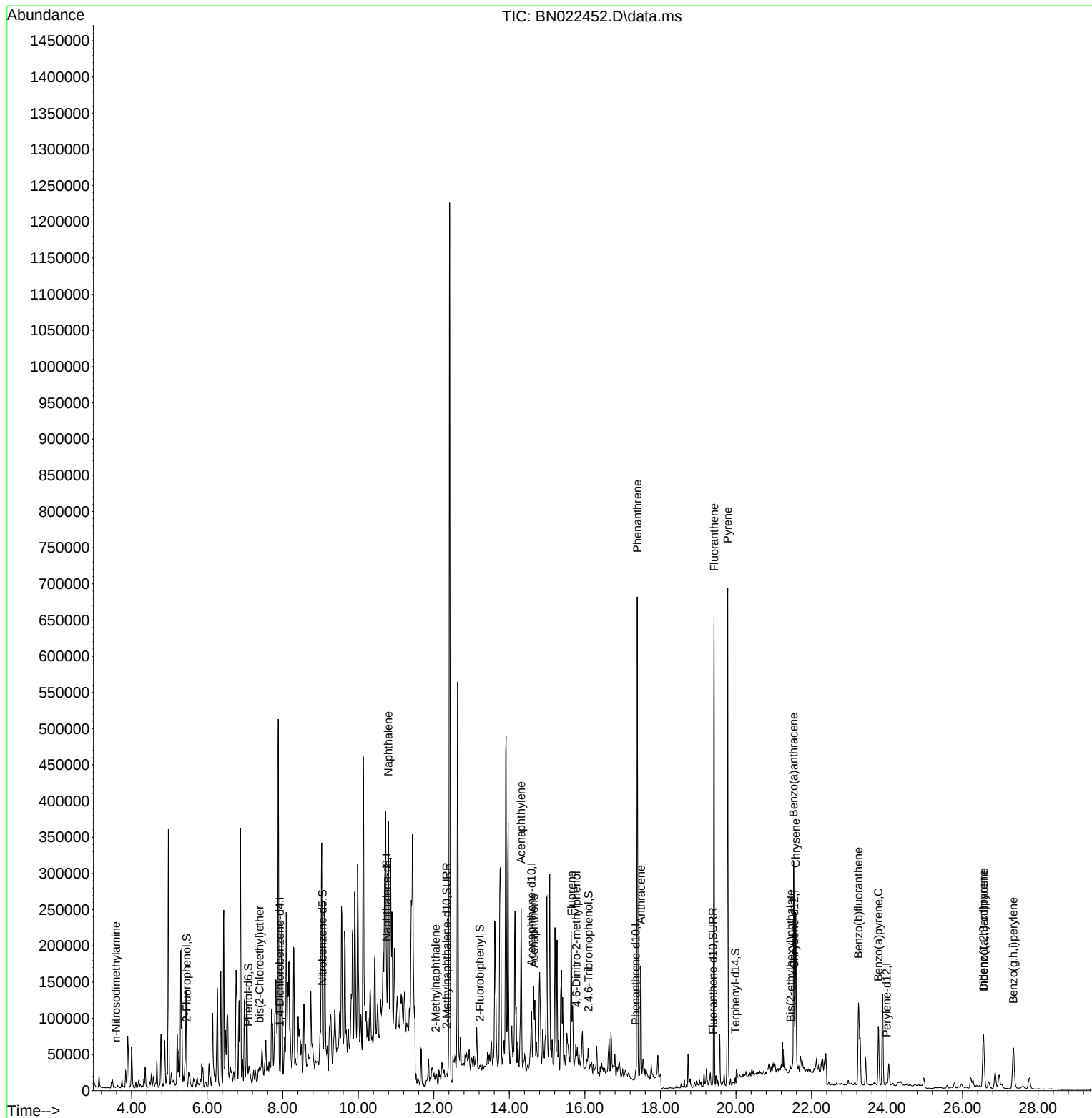
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.920	152	4032	0.400	ng	0.00
7) Naphthalene-d8	10.752	136	14225	0.400	ng	# 0.00
13) Acenaphthene-d10	14.589	164	9722	0.400	ng	0.00
19) Phenanthrene-d10	17.350	188	15418	0.400	ng	0.00
29) Chrysene-d12	21.546	240	8959	0.400	ng	# 0.00
35) Perylene-d12	23.990	264	7224	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.458	112	3347	0.312	ng	0.00
5) Phenol-d6	7.090	99	8740	0.649	ng	0.00
8) Nitrobenzene-d5	9.054	82	26799	2.178	ng	-0.05
11) 2-Methylnaphthalene-d10	12.342	152	6782	0.304	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	860	0.206	ng	0.00
15) 2-Fluorobiphenyl	13.221	172	7533	0.181	ng	0.00
27) Fluoranthene-d10	19.390	212	7795	0.183	ng	0.00
31) Terphenyl-d14	19.980	244	7025	0.301	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.587	42	1151	0.192	ng	# 1
6) bis(2-Chloroethyl)ether	7.386	93	1564	0.121	ng	# 1
9) Naphthalene	10.795	128	239454	5.630	ng	# 80
12) 2-Methylnaphthalene	12.054	142	296	0.035	ng	# 1
16) Acenaphthylene	14.311	152	111301	2.363	ng	# 71
17) Acenaphthene	14.653	154	22882	0.713	ng	# 48
18) Fluorene	15.647	166	101207	2.262	ng	# 86
20) 4,6-Dinitro-2-methylph...	15.774	198	714	0.290	ng	# 1
25) Phenanthrene	17.387	178	659146	12.468	ng	100
26) Anthracene	17.486	178	189048	4.245	ng	99
28) Fluoranthene	19.420	202	551453	9.621	ng	99
30) Pyrene	19.782	202	604711	14.667	ng	97
32) Benzo(a)anthracene	21.528	228	249929	7.086	ng	97
33) Chrysene	21.582	228	200110	5.428	ng	97
34) Bis(2-ethylhexyl)phtha...	21.448	149	2387	0.044	ng	# 67
36) Indeno(1,2,3-cd)pyrene	26.552	276	120472	3.376	ng	95
37) Benzo(b)fluoranthene	23.245	252	212462	6.425	ng	95
39) Benzo(a)pyrene	23.771	252	115894	4.307	ng	92
40) Dibenzo(a,h)anthracene	26.557	278	35563	1.276	ng	# 90
41) Benzo(g,h,i)perylene	27.344	276	123608	4.204	ng	99

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

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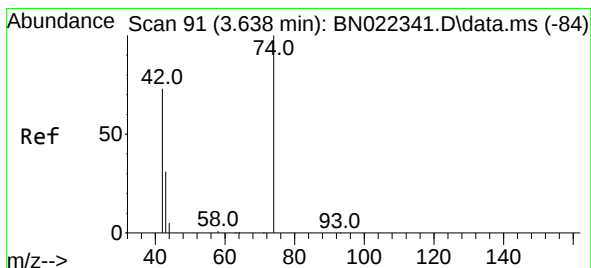
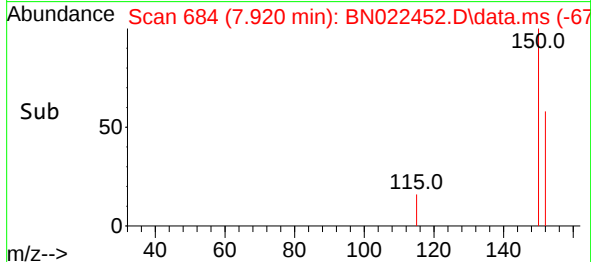
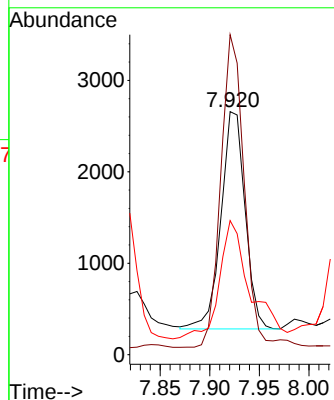
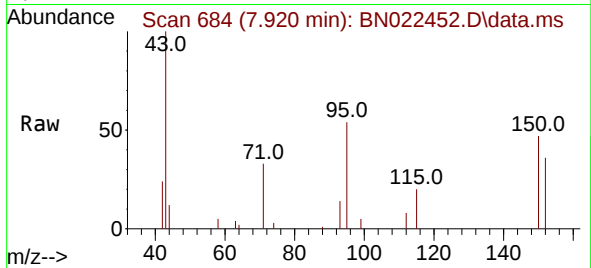




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.920 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

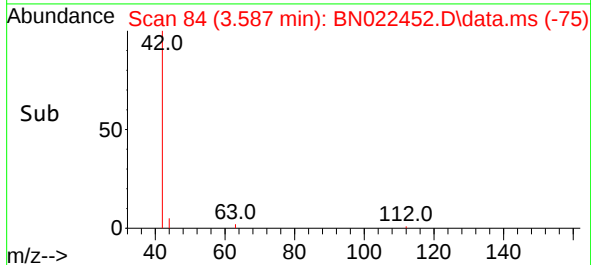
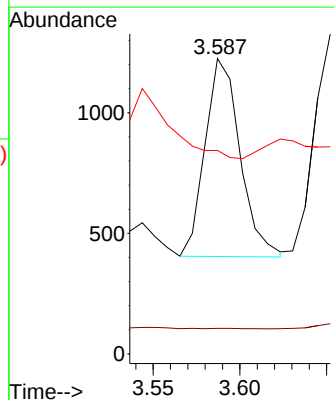
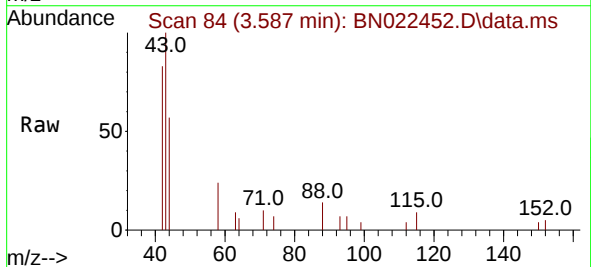
Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40

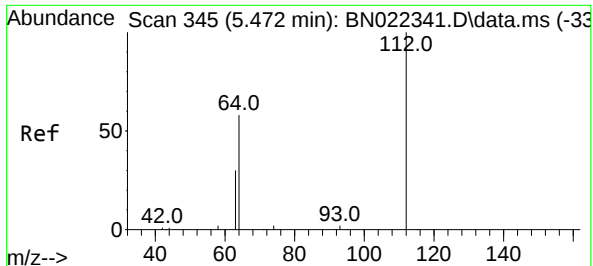
Tgt Ion:152 Resp: 4032
Ion Ratio Lower Upper
152 100
150 131.7 125.2 187.8
115 55.2 52.0 78.0



#3
n-Nitrosodimethylamine
Concen: 0.192 ng
RT: 3.587 min Scan# 84
Delta R.T. -0.036 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Tgt Ion: 42 Resp: 1151
Ion Ratio Lower Upper
42 100
74 0.0 105.6 158.4#
44 0.0 7.1 10.7#

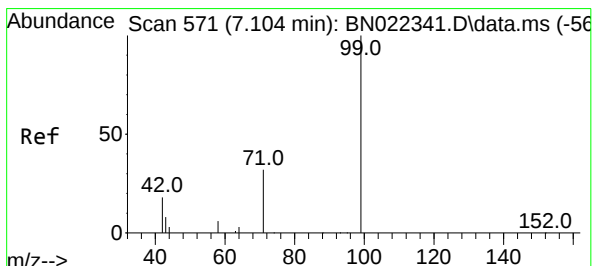
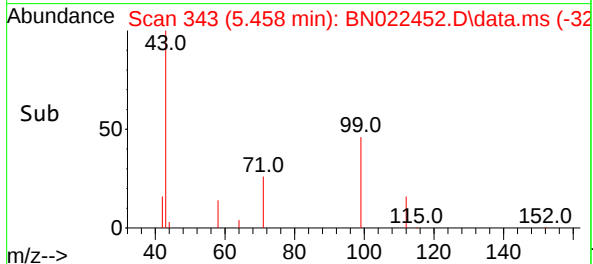
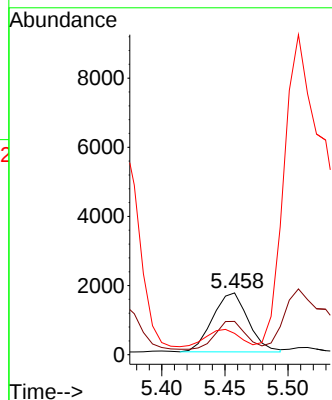
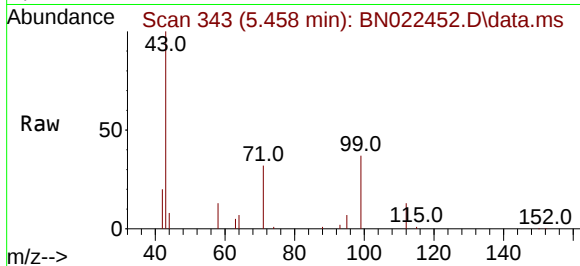




#4
2-Fluorophenol
Concen: 0.312 ng
RT: 5.458 min Scan# 34
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

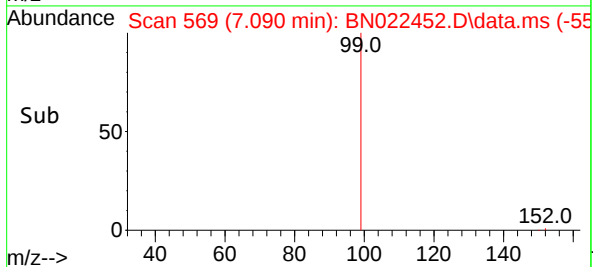
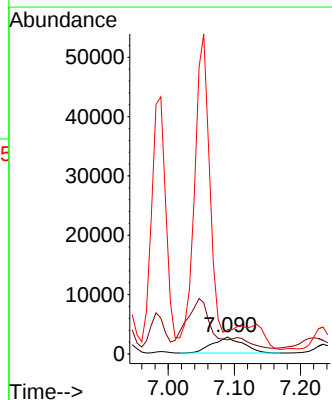
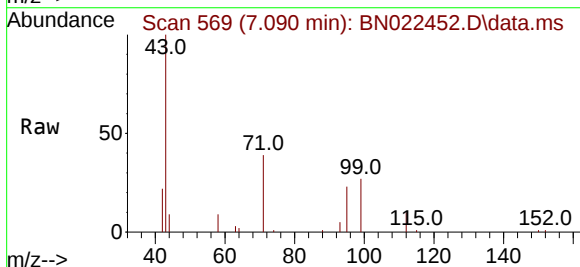
Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40

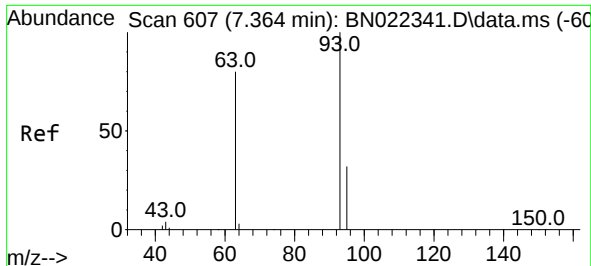
Tgt Ion:112 Resp: 3347
Ion Ratio Lower Upper
112 100
64 41.6 47.0 70.4#
63 26.6 24.5 36.7



#5
Phenol-d6
Concen: 0.649 ng
RT: 7.090 min Scan# 569
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Tgt Ion: 99 Resp: 8740
Ion Ratio Lower Upper
99 100
42 0.0 16.3 24.5#
71 0.0 26.1 39.1#

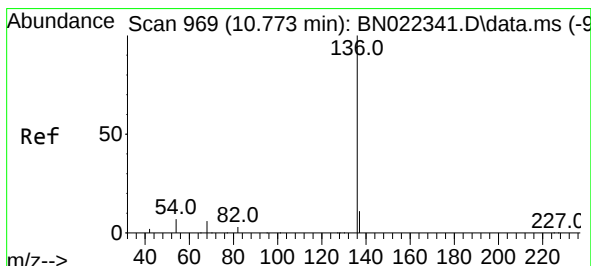
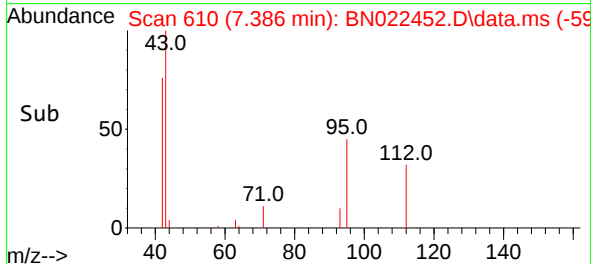
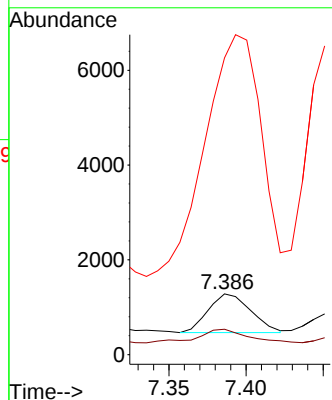
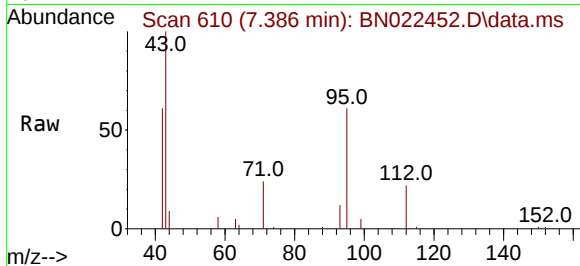




#6
bis(2-Chloroethyl)ether
Concen: 0.121 ng
RT: 7.386 min Scan# 610
Delta R.T. 0.036 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

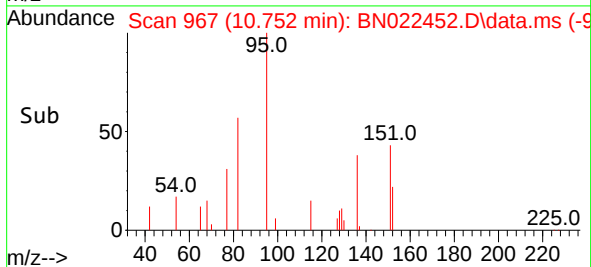
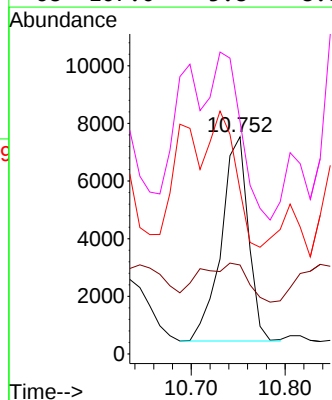
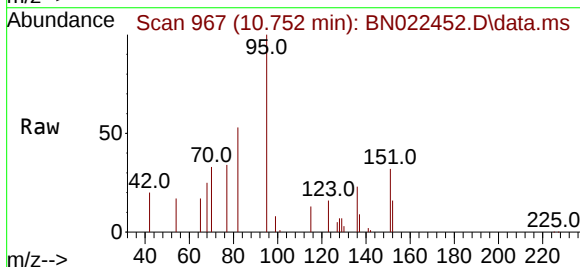
Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40

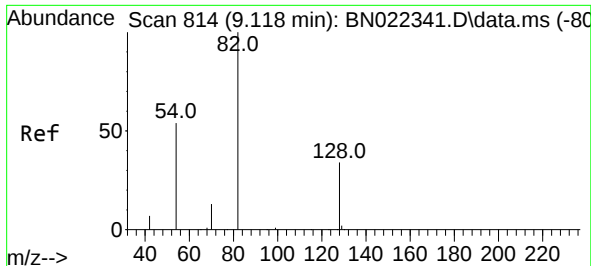
Tgt Ion: 93 Resp: 1564
Ion Ratio Lower Upper
93 100
63 39.9 62.6 93.8#
95 821.0 26.1 39.1#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.752 min Scan# 967
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Tgt Ion: 136 Resp: 14225
Ion Ratio Lower Upper
136 100
137 41.0 9.4 14.2#
54 75.4 6.5 9.7#
68 107.0 5.8 8.8#

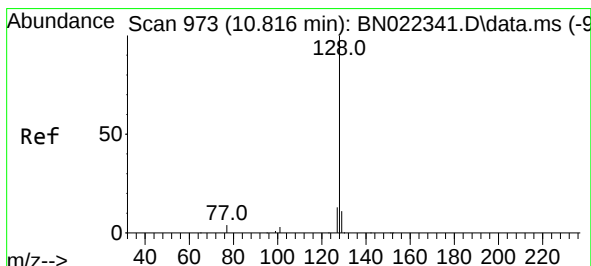
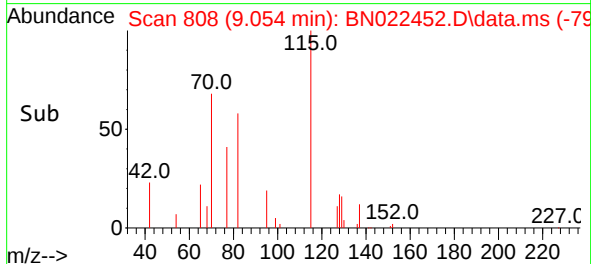
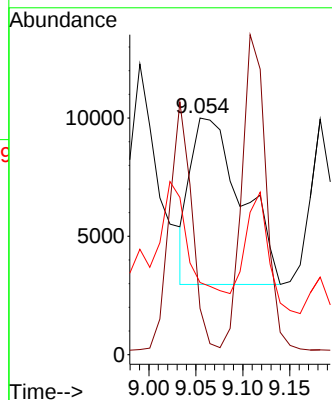
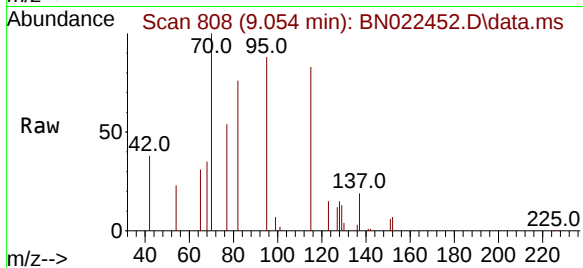




#8
Nitrobenzene-d5
Concen: 2.178 ng
RT: 9.054 min Scan# 808
Delta R.T. -0.054 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

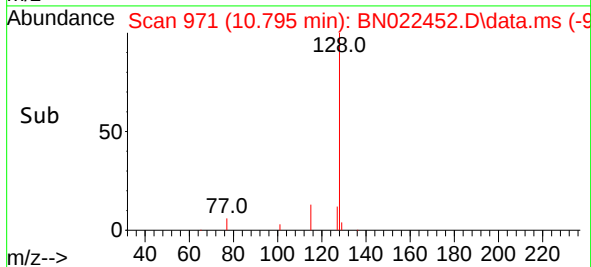
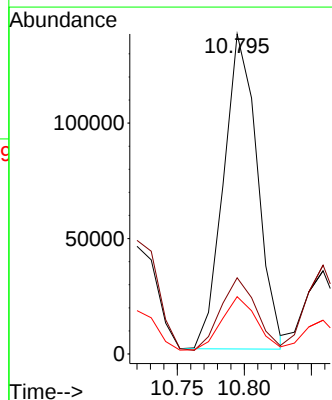
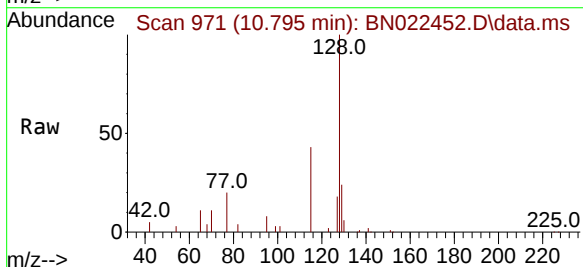
Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40

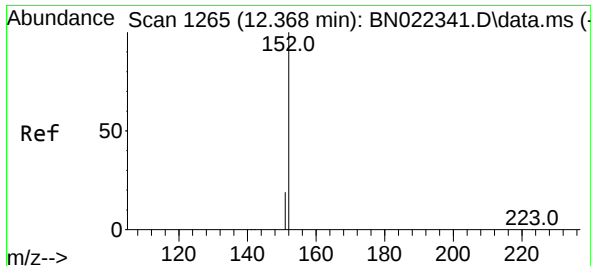
Tgt Ion: 82 Resp: 26799
Ion Ratio Lower Upper
82 100
128 19.6 30.5 45.7#
54 30.5 45.2 67.8#



#9
Naphthalene
Concen: 5.630 ng
RT: 10.795 min Scan# 971
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Tgt Ion:128 Resp: 239454
Ion Ratio Lower Upper
128 100
129 23.8 9.4 14.2#
127 17.9 11.0 16.6#





#11

2-Methylnaphthalene-d10

Concen: 0.304 ng

RT: 12.342 min Scan# 1182

Delta R.T. -0.008 min

Lab File: BN022452.D

Acq: 02 Nov 2022 03:18

Instrument :

BNA_N

ClientSampleId :

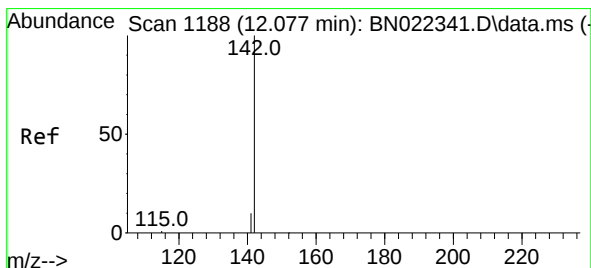
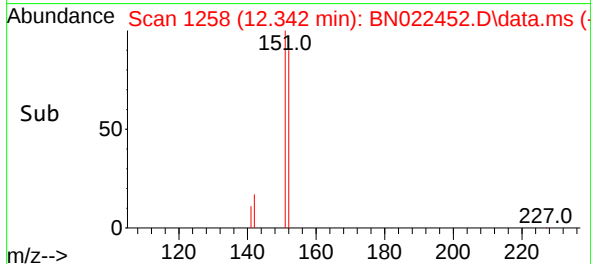
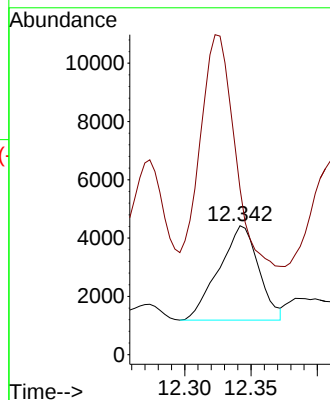
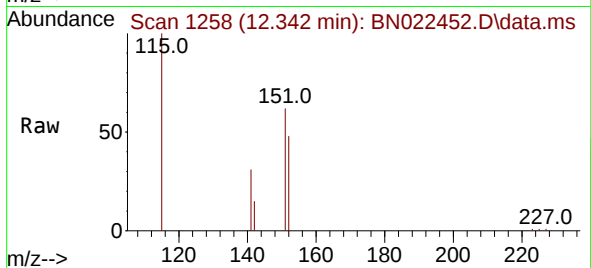
LSP-SS-06-20-40

Tgt Ion:152 Resp: 6782

Ion Ratio Lower Upper

152 100

151 225.6 16.7 25.1#



#12

2-Methylnaphthalene

Concen: 0.035 ng

RT: 12.054 min Scan# 1182

Delta R.T. -0.008 min

Lab File: BN022452.D

Acq: 02 Nov 2022 03:18

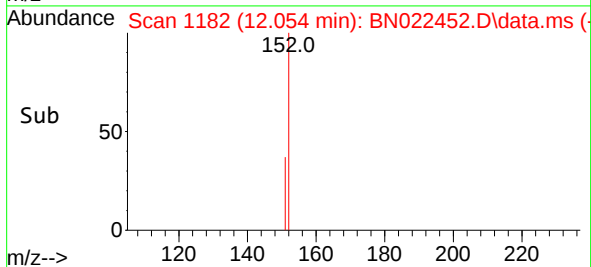
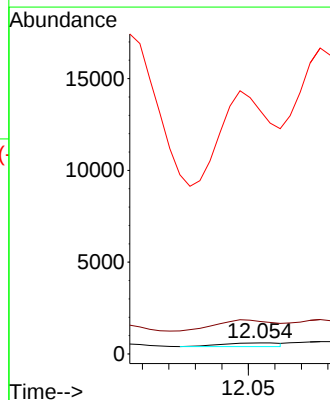
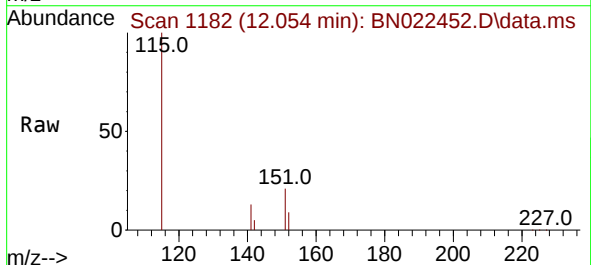
Tgt Ion:142 Resp: 296

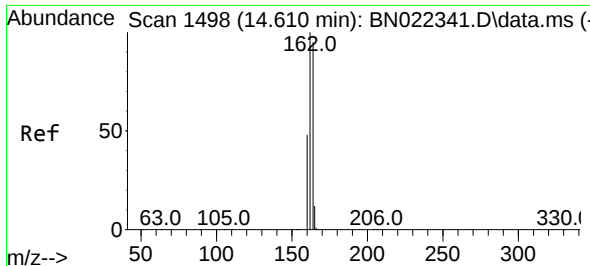
Ion Ratio Lower Upper

142 100

141 295.7 13.0 19.4#

115 2214.4 9.1 13.7#

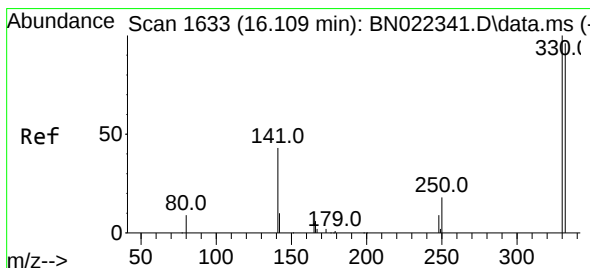
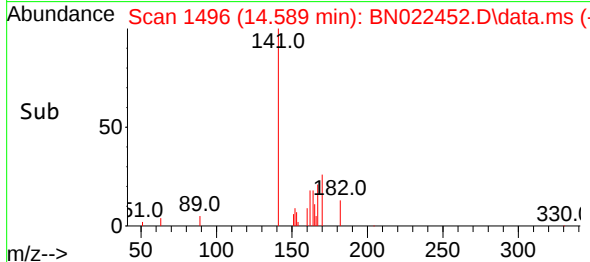
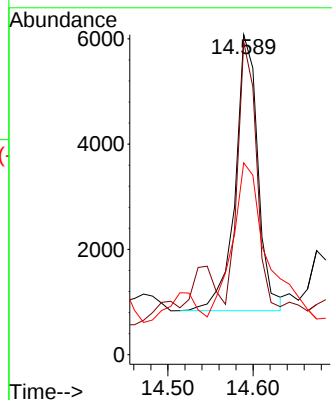
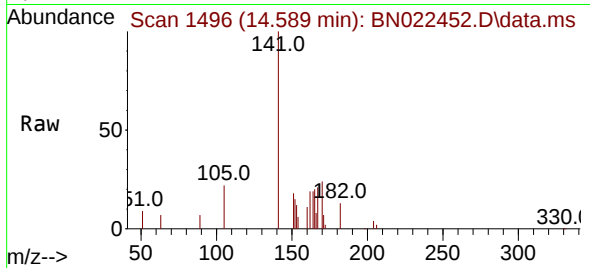




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

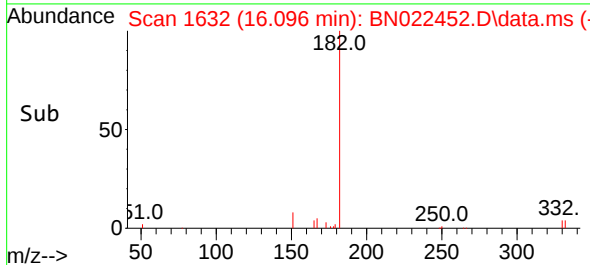
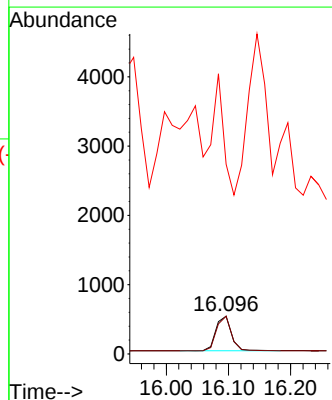
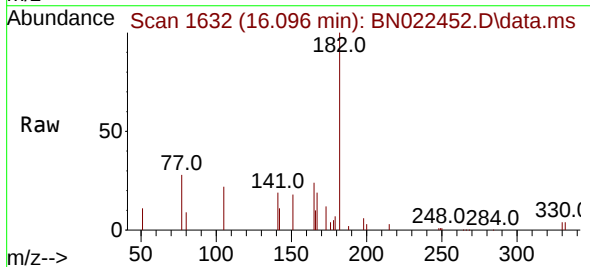
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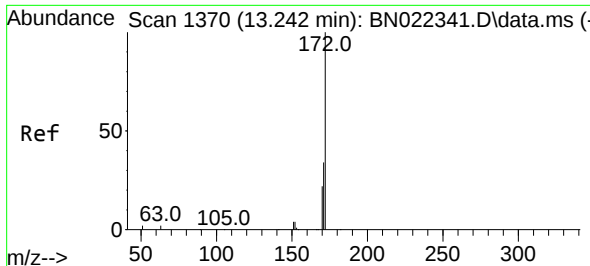
Tgt Ion:164 Resp: 9722
Ion Ratio Lower Upper
164 100
162 97.6 83.9 125.9
160 60.0 41.0 61.4



#14
2,4,6-Tribromophenol
Concen: 0.206 ng
RT: 16.096 min Scan# 1632
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Tgt Ion:330 Resp: 860
Ion Ratio Lower Upper
330 100
332 96.3 78.6 118.0
141 253.1 40.2 60.4#

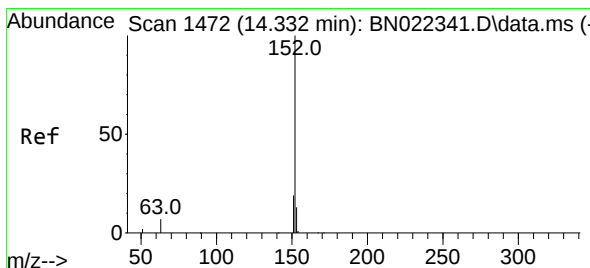
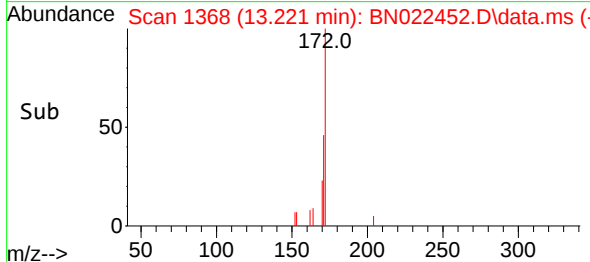
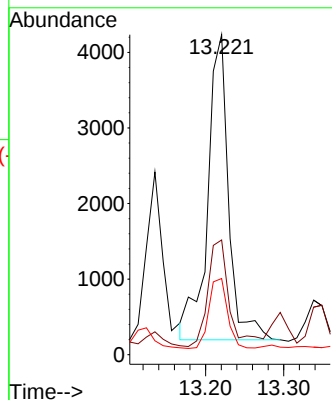
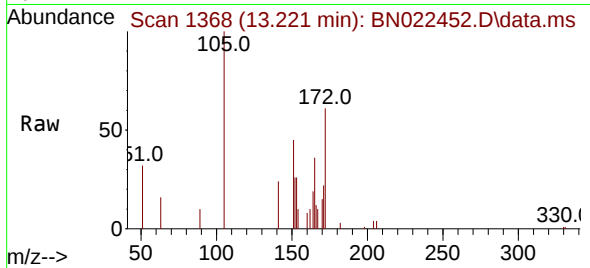




#15
2-Fluorobiphenyl
Concen: 0.181 ng
RT: 13.221 min Scan# 1368
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

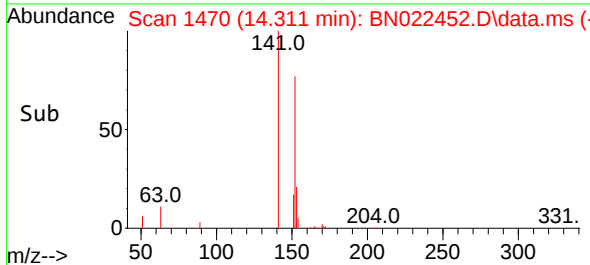
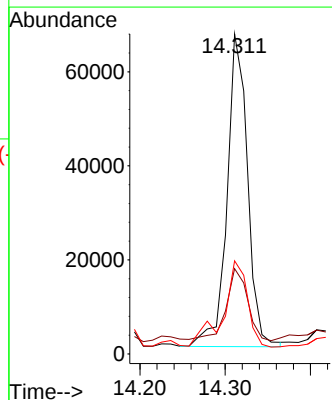
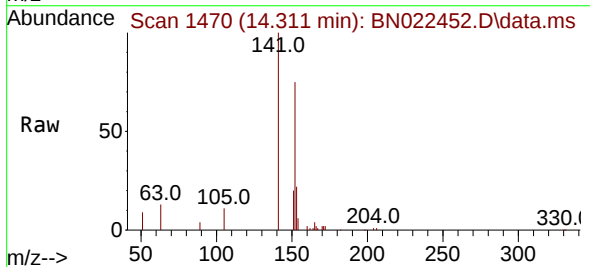
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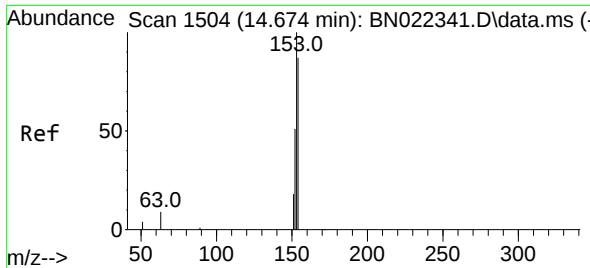
Tgt Ion:172 Resp: 7533
Ion Ratio Lower Upper
172 100
171 35.9 27.4 41.0
170 23.8 18.5 27.7



#16
Acenaphthylene
Concen: 2.363 ng
RT: 14.311 min Scan# 1470
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Tgt Ion:152 Resp: 111301
Ion Ratio Lower Upper
152 100
151 25.6 15.2 22.8#
153 32.5 10.3 15.5#

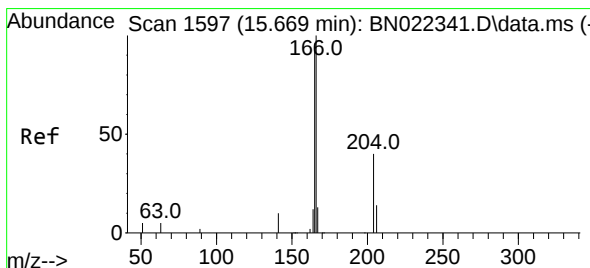
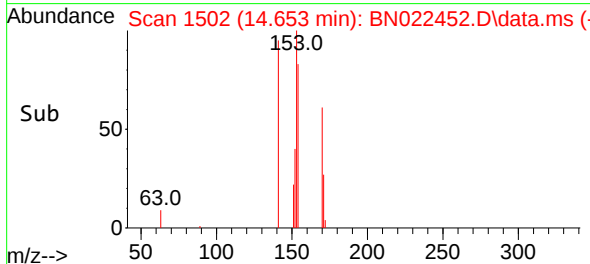
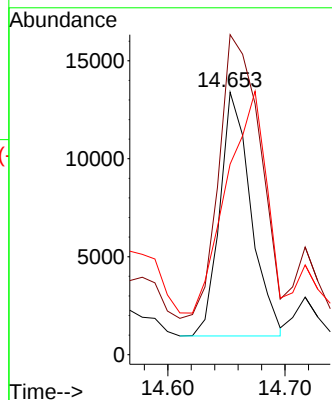
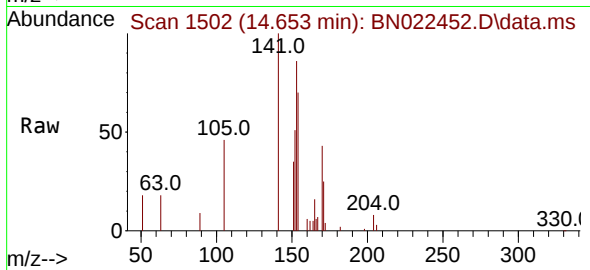




#17
Acenaphthene
Concen: 0.713 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

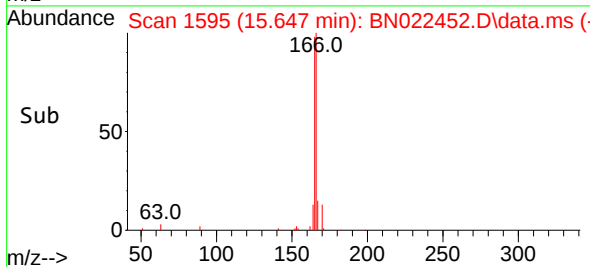
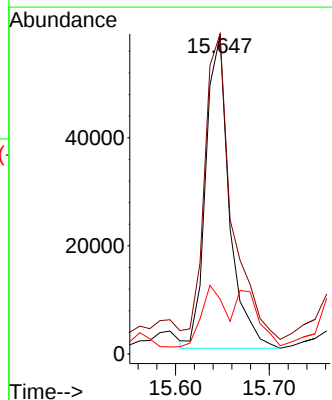
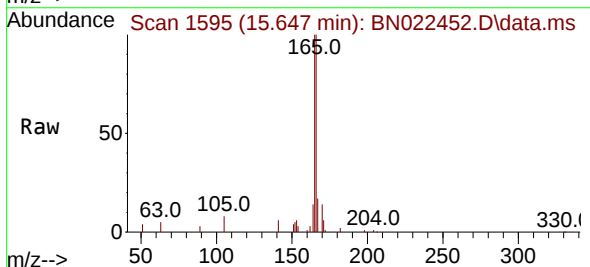
Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40

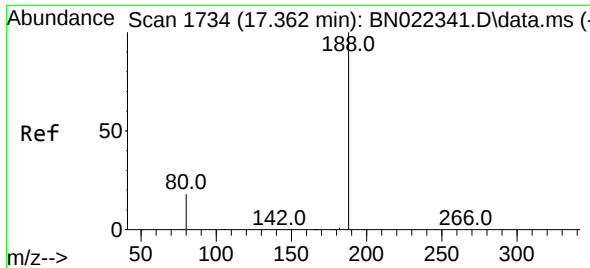
Tgt Ion:154 Resp: 22882
Ion Ratio Lower Upper
154 100
153 157.1 92.2 138.2#
152 0.0 47.6 71.4#



#18
Fluorene
Concen: 2.262 ng
RT: 15.647 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Tgt Ion:166 Resp: 101207
Ion Ratio Lower Upper
166 100
165 111.4 78.6 118.0
167 19.6 10.2 15.4#

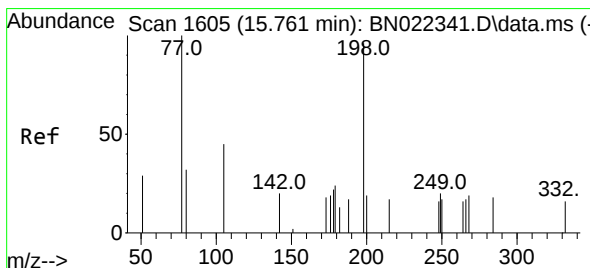
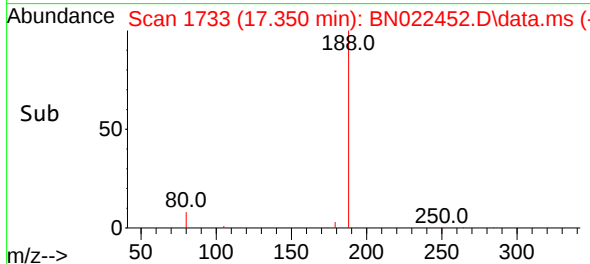
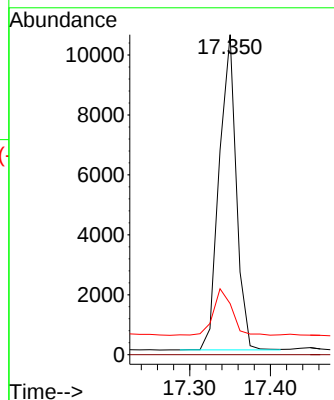
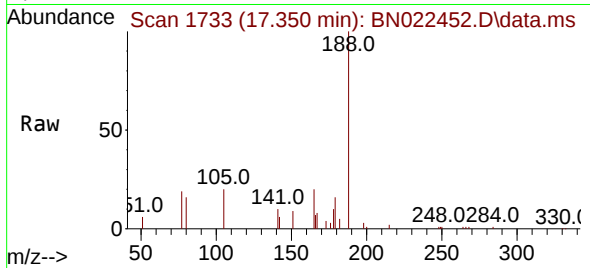




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

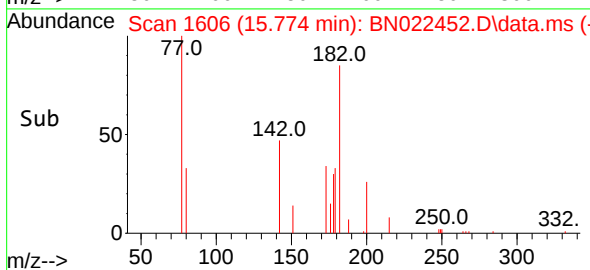
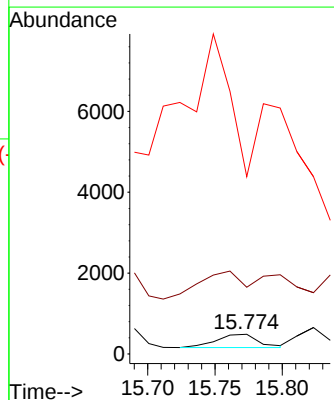
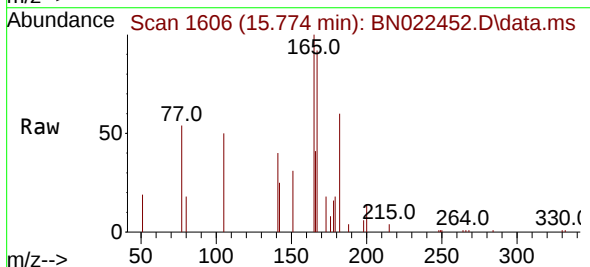
Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40

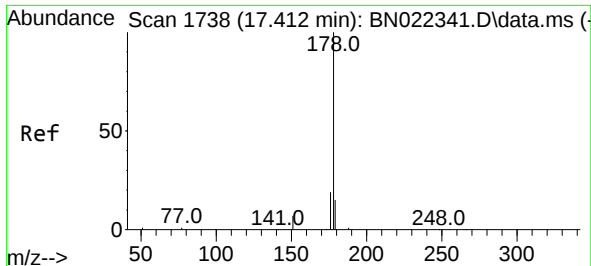
Tgt Ion:188 Resp: 15418
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.0 15.0 22.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.290 ng
RT: 15.774 min Scan# 1606
Delta R.T. 0.025 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Tgt Ion:198 Resp: 714
Ion Ratio Lower Upper
198 100
51 337.4 74.1 111.1#
105 896.7 58.8 88.2#

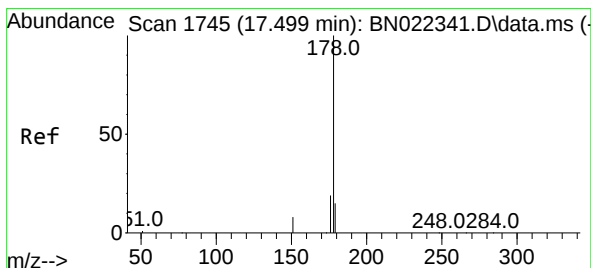
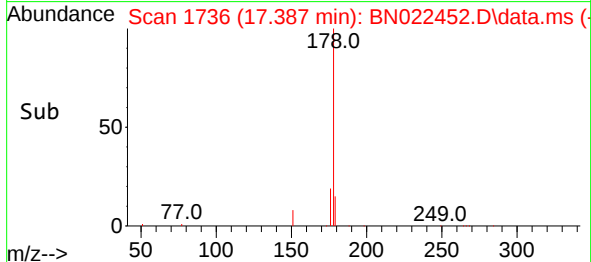
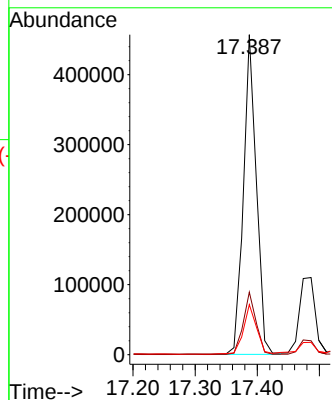
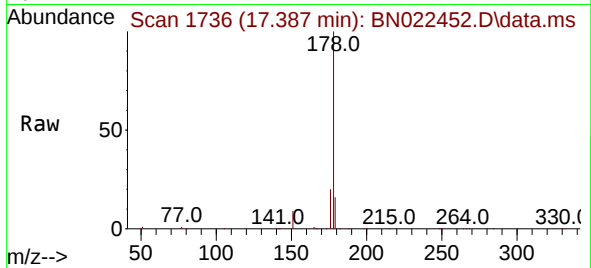




#25
Phenanthrene
Concen: 12.468 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

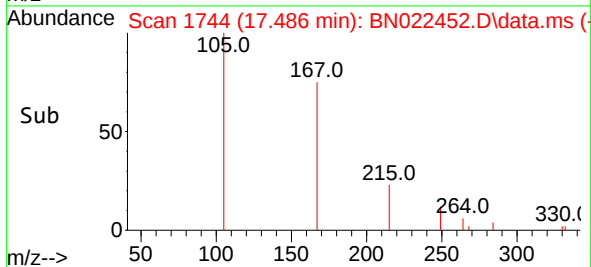
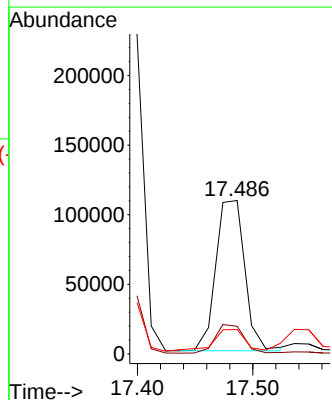
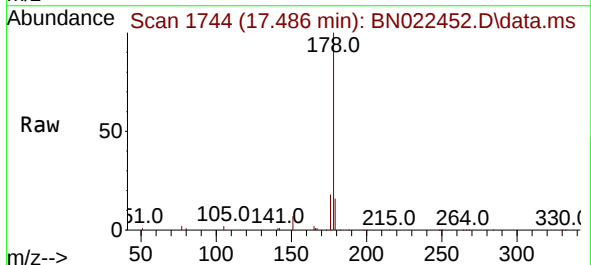
Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40

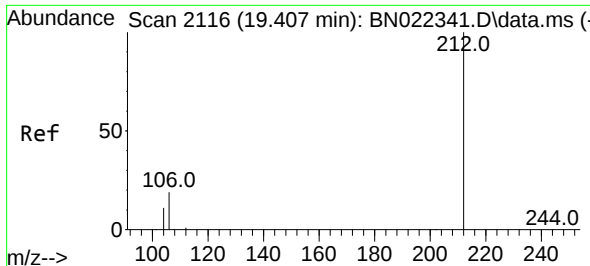
Tgt Ion:178 Resp: 659146
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.8 12.5 18.7



#26
Anthracene
Concen: 4.245 ng
RT: 17.486 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Tgt Ion:178 Resp: 189048
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.7 12.2 18.4

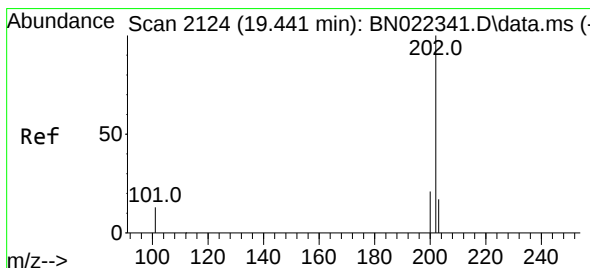
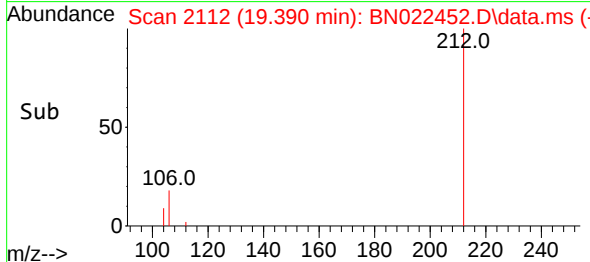
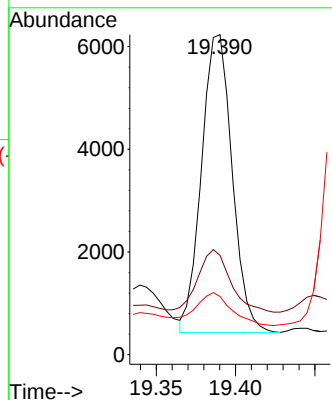
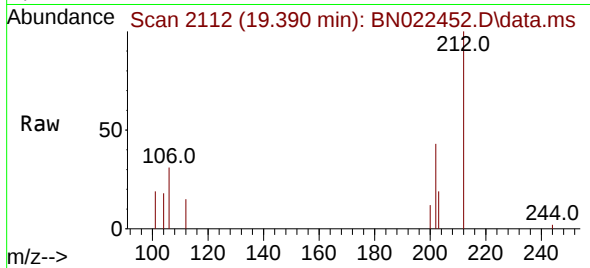




#27
Fluoranthene-d10
Concen: 0.183 ng
RT: 19.390 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

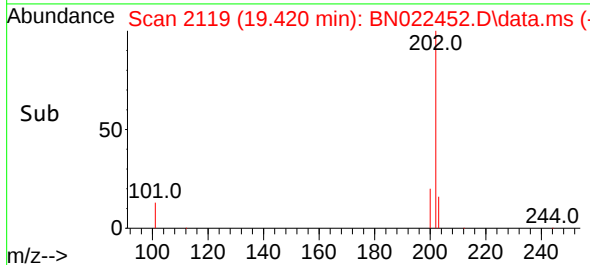
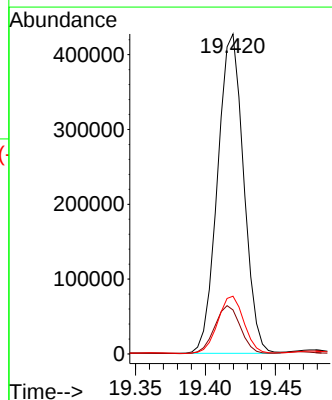
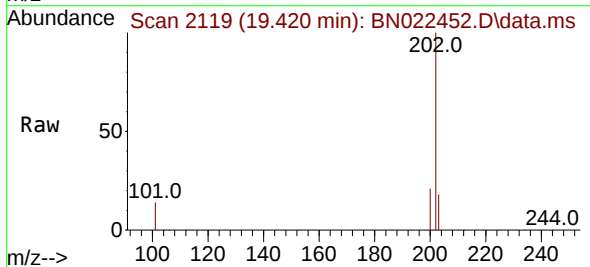
Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40

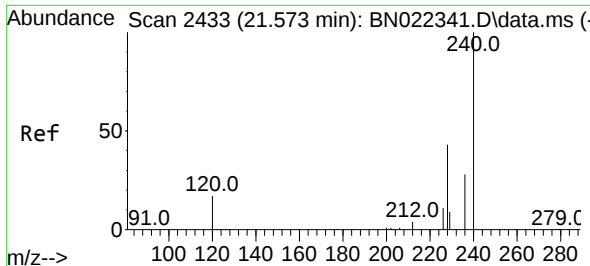
Tgt Ion:212 Resp: 7795
Ion Ratio Lower Upper
212 100
106 22.3 15.0 22.4
104 13.1 9.3 13.9



#28
Fluoranthene
Concen: 9.621 ng
RT: 19.420 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Tgt Ion:202 Resp: 551453
Ion Ratio Lower Upper
202 100
101 14.8 11.4 17.0
203 17.8 13.7 20.5

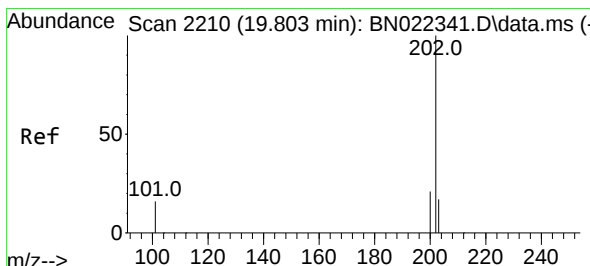
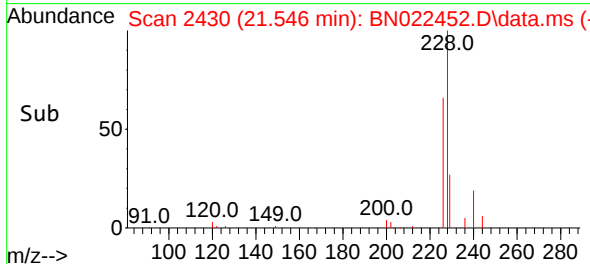
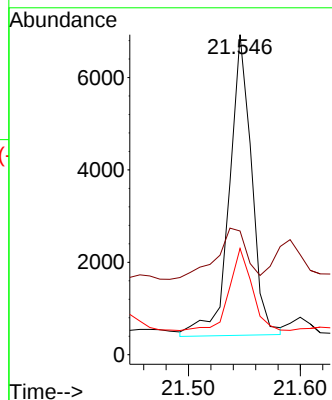
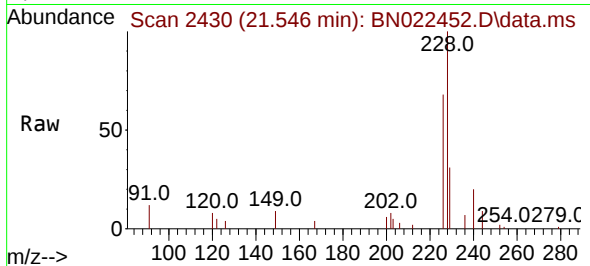




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.546 min Scan# 2433
Delta R.T. -0.009 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

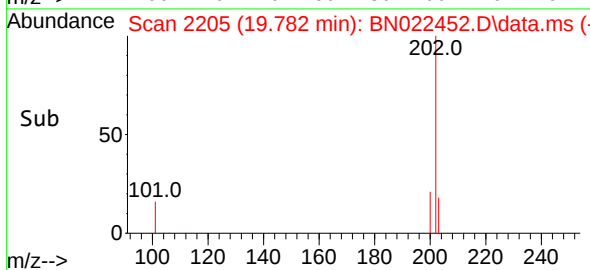
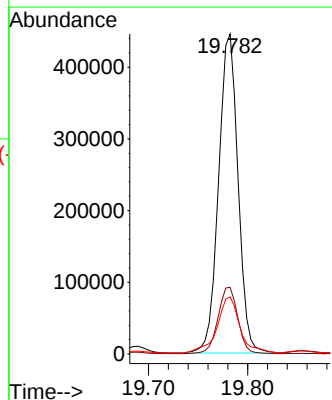
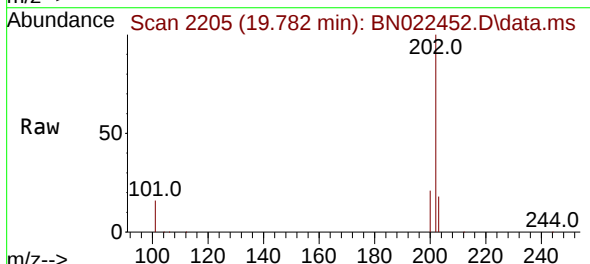
Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40

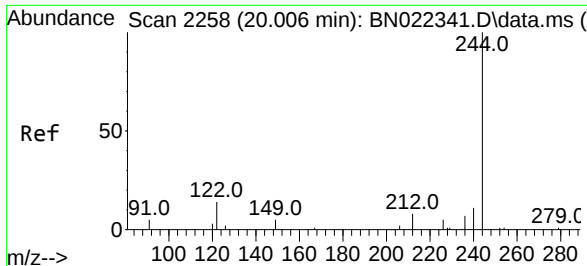
Tgt Ion:240 Resp: 8959
Ion Ratio Lower Upper
240 100
120 38.7 15.8 23.6#
236 33.2 23.2 34.8



#30
Pyrene
Concen: 14.667 ng
RT: 19.782 min Scan# 2205
Delta R.T. -0.004 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Tgt Ion:202 Resp: 604711
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 20.7 14.2 21.2

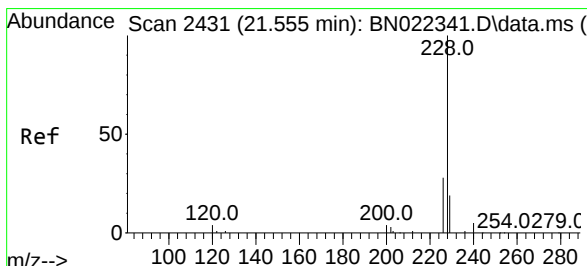
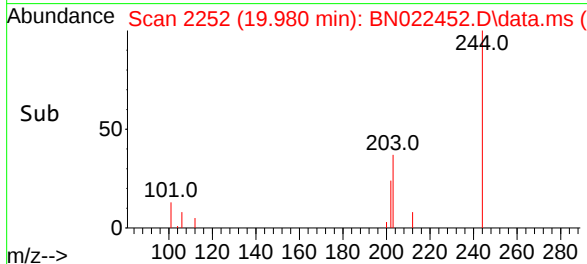
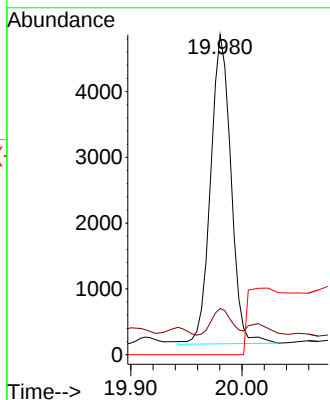
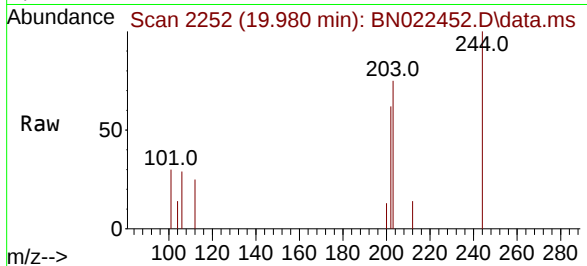




#31
 Terphenyl-d14
 Concen: 0.301 ng
 RT: 19.980 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BN022452.D
 Acq: 02 Nov 2022 03:18

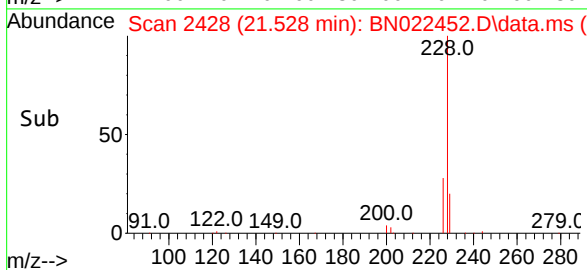
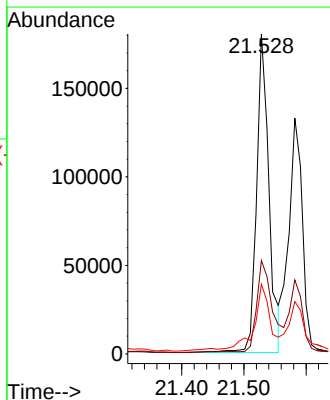
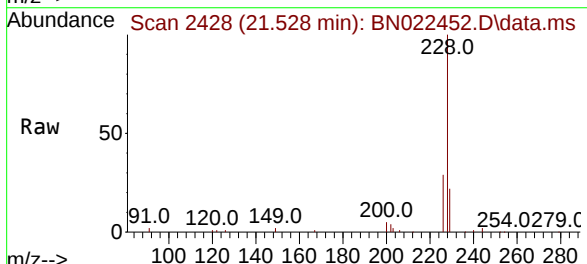
Instrument :
 BNA_N
 ClientSampleId :
 LSP-SS-06-20-40

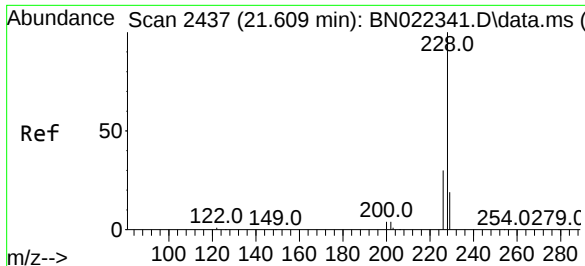
Tgt Ion:244 Resp: 7025
 Ion Ratio Lower Upper
 244 100
 212 14.5 7.0 10.4#
 122 0.0 11.5 17.3#



#32
 Benzo(a)anthracene
 Concen: 7.086 ng
 RT: 21.528 min Scan# 2428
 Delta R.T. -0.009 min
 Lab File: BN022452.D
 Acq: 02 Nov 2022 03:18

Tgt Ion:228 Resp: 249929
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.6 34.0
 229 21.8 15.5 23.3





#33

Chrysene

Concen: 5.428 ng

RT: 21.582 min Scan# 2437

Delta R.T. -0.009 min

Lab File: BN022452.D

Acq: 02 Nov 2022 03:18

Instrument :

BNA_N

ClientSampleId :

LSP-SS-06-20-40

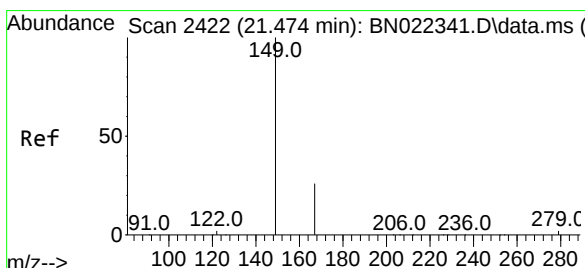
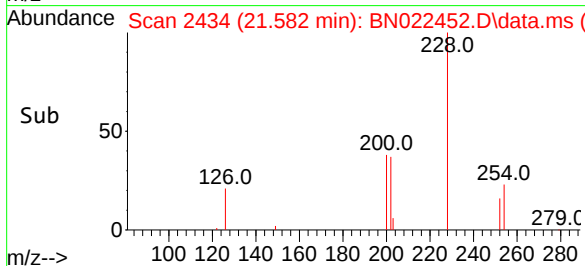
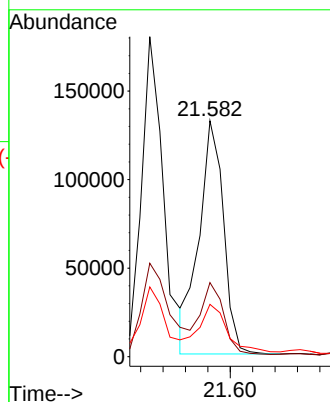
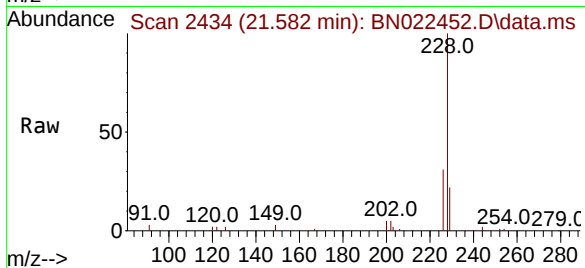
Tgt Ion:228 Resp: 200110

Ion Ratio Lower Upper

228 100

226 31.4 24.5 36.7

229 22.2 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.044 ng

RT: 21.448 min Scan# 2419

Delta R.T. -0.000 min

Lab File: BN022452.D

Acq: 02 Nov 2022 03:18

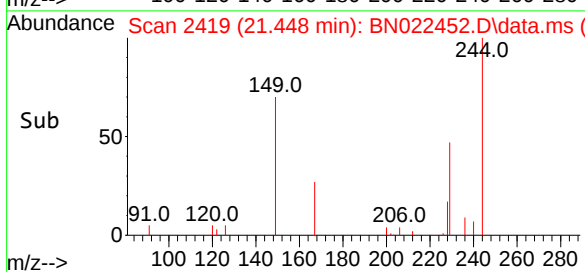
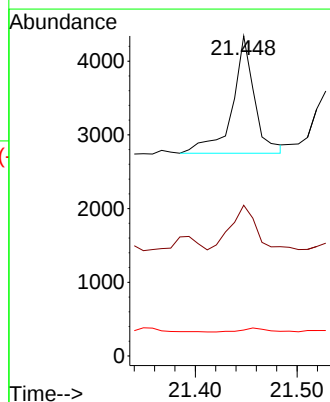
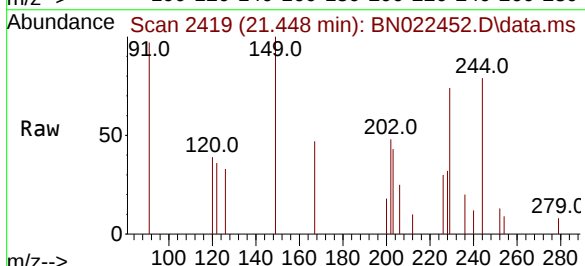
Tgt Ion:149 Resp: 2387

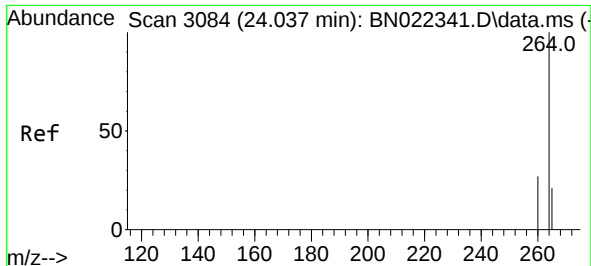
Ion Ratio Lower Upper

149 100

167 43.7 20.2 30.4#

279 4.1 2.3 3.5#

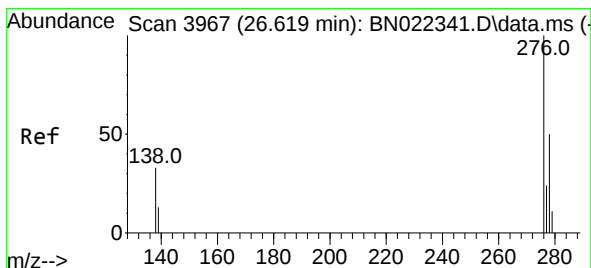
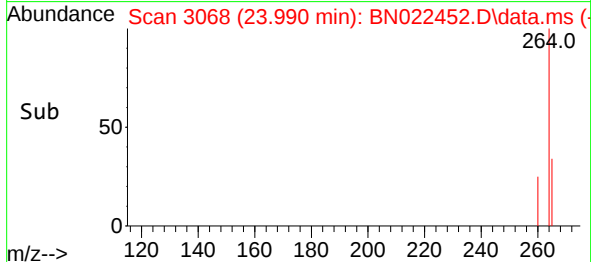
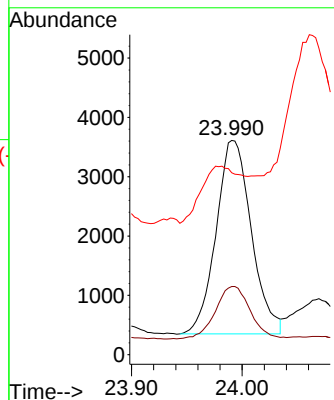
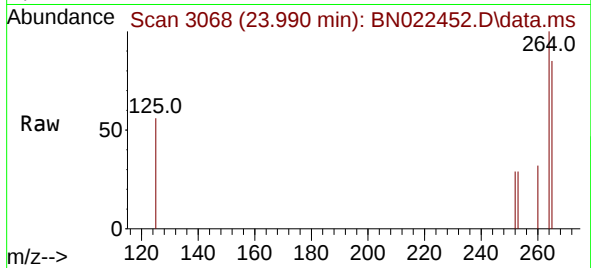




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.990 min Scan# 3084
 Delta R.T. -0.012 min
 Lab File: BN022452.D
 Acq: 02 Nov 2022 03:18

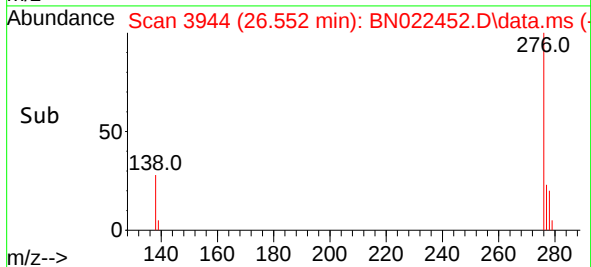
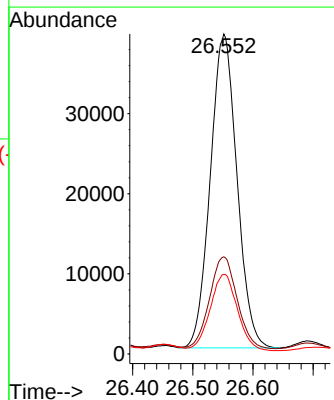
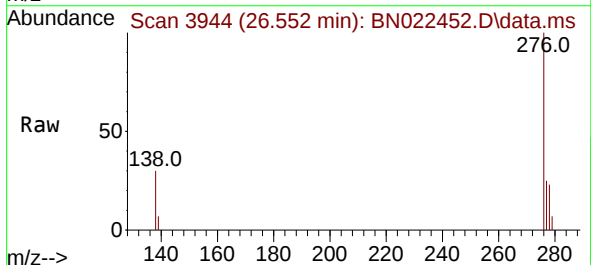
Instrument :
 BNA_N
 ClientSampleId :
 LSP-SS-06-20-40

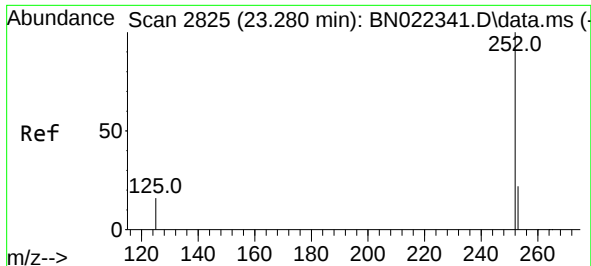
Tgt Ion:264 Resp: 7224
 Ion Ratio Lower Upper
 264 100
 260 31.8 22.1 33.1
 265 84.9 53.0 79.4#



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 3.376 ng
 RT: 26.552 min Scan# 3944
 Delta R.T. -0.015 min
 Lab File: BN022452.D
 Acq: 02 Nov 2022 03:18

Tgt Ion:276 Resp: 120472
 Ion Ratio Lower Upper
 276 100
 138 30.3 28.2 42.2
 277 25.0 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 6.425 ng

RT: 23.245 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN022452.D

Acq: 02 Nov 2022 03:18

Instrument :

BN022452.D

ClientSampleId :

LSP-SS-06-20-40

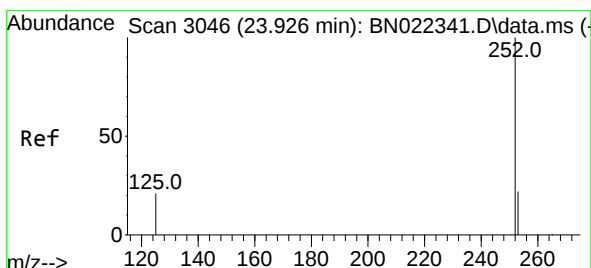
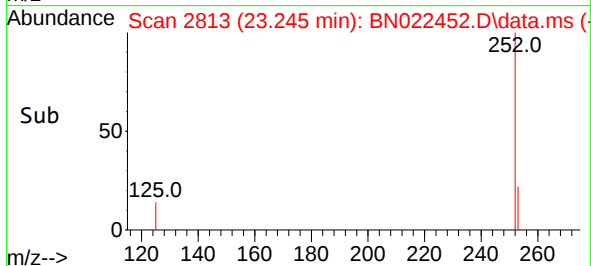
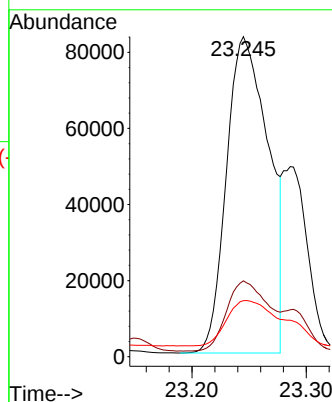
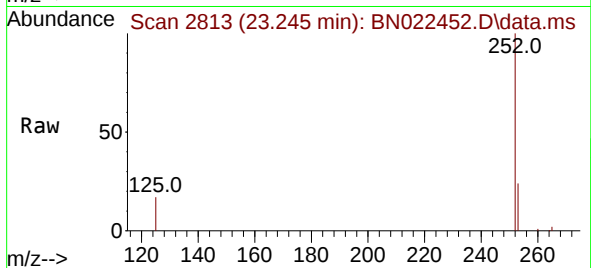
Tgt Ion:252 Resp: 212462

Ion Ratio Lower Upper

252 100

253 23.7 20.4 30.6

125 17.5 16.6 25.0



#39

Benzo(a)pyrene

Concen: 4.307 ng

RT: 23.771 min Scan# 2993

Delta R.T. -0.120 min

Lab File: BN022452.D

Acq: 02 Nov 2022 03:18

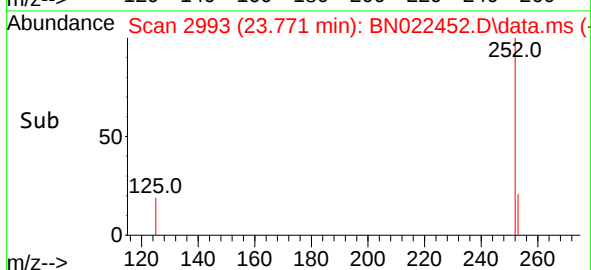
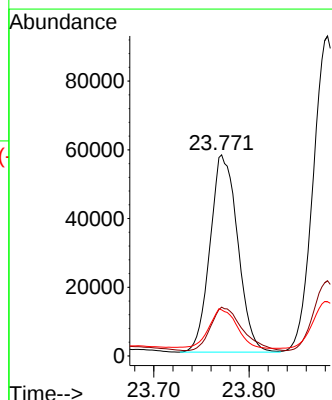
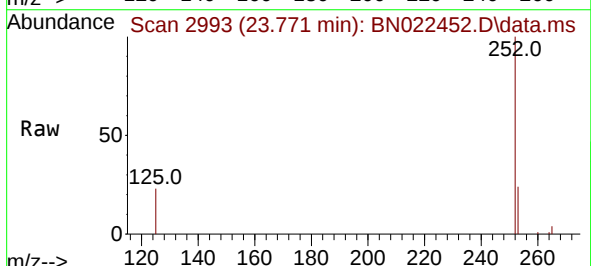
Tgt Ion:252 Resp: 115894

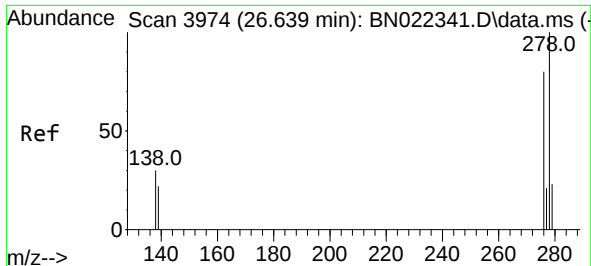
Ion Ratio Lower Upper

252 100

253 24.3 21.9 32.9

125 22.9 22.9 34.3

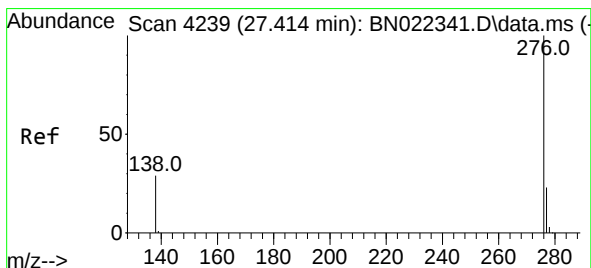
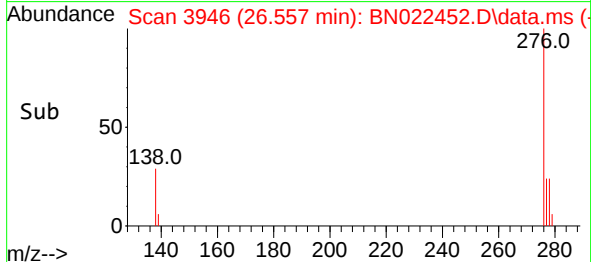
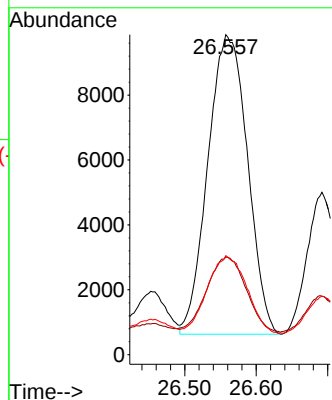
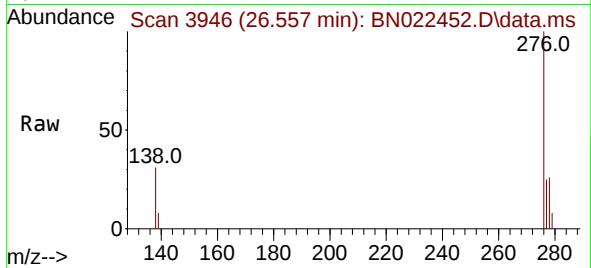




#40
Dibenzo(a,h)anthracene
Concen: 1.276 ng
RT: 26.557 min Scan# 3946
Delta R.T. -0.029 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40

Tgt Ion:278 Resp: 35563
Ion Ratio Lower Upper
278 100
139 30.5 20.2 30.2#
279 31.0 21.0 31.4



#41
Benzo(g,h,i)perylene
Concen: 4.204 ng
RT: 27.344 min Scan# 4215
Delta R.T. -0.015 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Tgt Ion:276 Resp: 123608
Ion Ratio Lower Upper
276 100
277 24.0 19.5 29.3
138 30.4 25.0 37.4

