

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
 Data File : BN022468.D
 Acq On : 02 Nov 2022 17:39
 Operator : CG/JU
 Sample : N5395-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-5-103122

Quant Time: Nov 03 06:24:55 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)

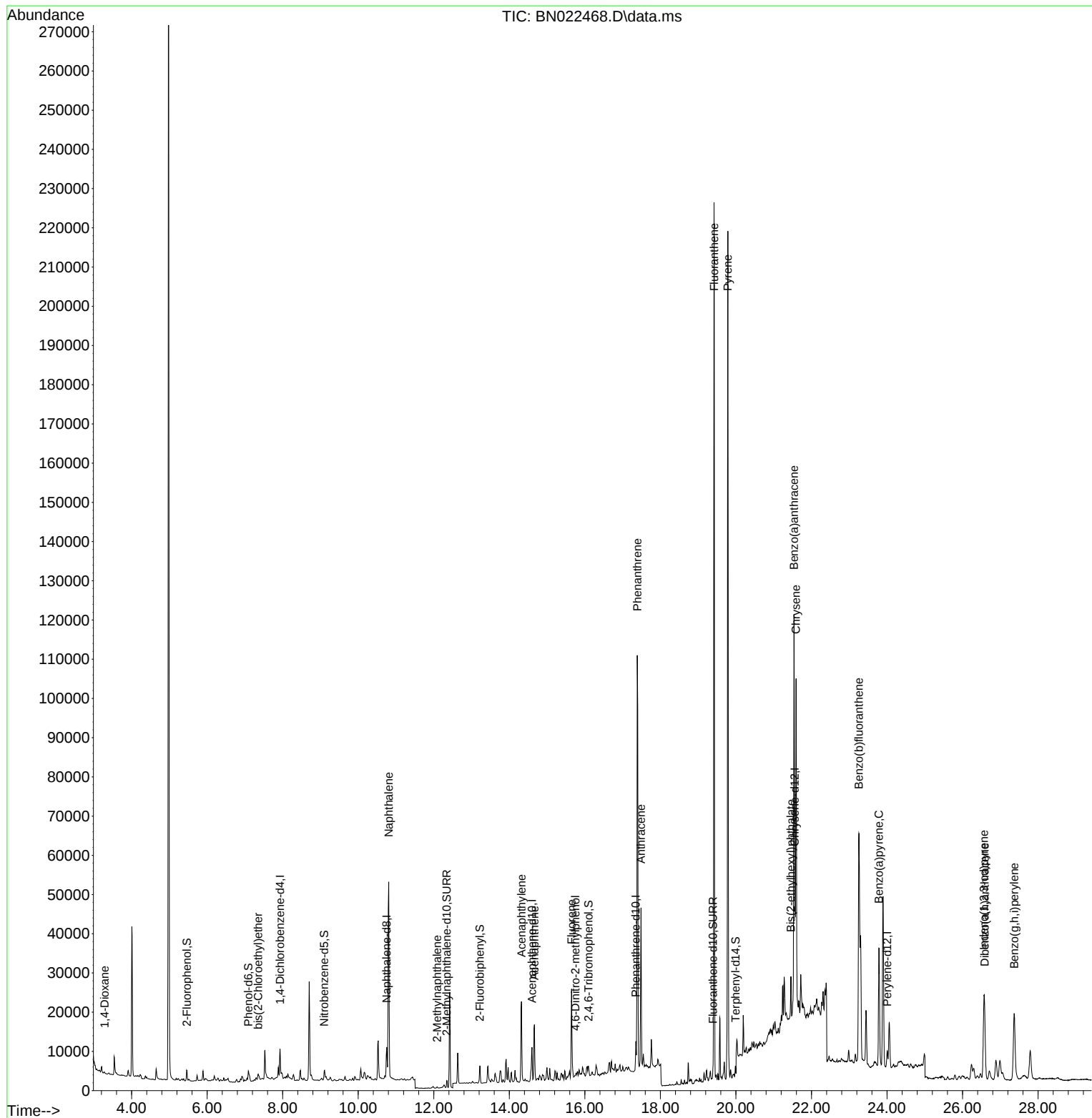
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	3706	0.400	ng	0.00
7) Naphthalene-d8	10.752	136	10418	0.400	ng	# 0.00
13) Acenaphthene-d10	14.600	164	5017	0.400	ng	0.01
19) Phenanthrene-d10	17.350	188	9020	0.400	ng	0.00
29) Chrysene-d12	21.555	240	7427	0.400	ng	# 0.00
35) Perylene-d12	24.005	264	6122	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.465	112	2342	0.237	ng	0.00
5) Phenol-d6	7.090	99	2722	0.220	ng	0.00
8) Nitrobenzene-d5	9.097	82	2057	0.228	ng	-0.01
11) 2-Methylnaphthalene-d10	12.346	152	2630	0.161	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	512	0.237	ng	0.00
15) 2-Fluorobiphenyl	13.221	172	3831	0.179	ng	0.00
27) Fluoranthene-d10	19.390	212	3164	0.127	ng	0.00
31) Terphenyl-d14	19.989	244	2856	0.148	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.284	88	138	0.027	ng	# 1
6) bis(2-Chloroethyl)ether	7.350	93	1169	0.098	ng	91
9) Naphthalene	10.806	128	60066	1.928	ng	98
12) 2-Methylnaphthalene	12.089	142	247	0.040	ng	# 1
16) Acenaphthylene	14.322	152	24597	1.012	ng	99
17) Acenaphthene	14.664	154	8043	0.485	ng	98
18) Fluorene	15.648	166	14569	0.631	ng	98
20) 4,6-Dinitro-2-methylph...	15.749	198	34	0.024	ng	# 1
25) Phenanthrene	17.387	178	120697	3.902	ng	100
26) Anthracene	17.487	178	40410	1.551	ng	99
28) Fluoranthene	19.420	202	188226	5.613	ng	99
30) Pyrene	19.787	202	187734	5.493	ng	97
32) Benzo(a)anthracene	21.537	228	88847	3.039	ng	96
33) Chrysene	21.591	228	76839	2.514	ng	96
34) Bis(2-ethylhexyl)phtha...	21.457	149	8958	0.436	ng	# 90
36) Indeno(1,2,3-cd)pyrene	26.569	276	37354	1.235	ng	# 91
37) Benzo(b)fluoranthene	23.254	252	106243	3.791	ng	99
39) Benzo(a)pyrene	23.786	252	42753	1.875	ng	98
40) Dibenzo(a,h)anthracene	26.587	278	9738	0.412	ng	# 62
41) Benzo(g,h,i)perylene	27.368	276	37746	1.515	ng	98

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

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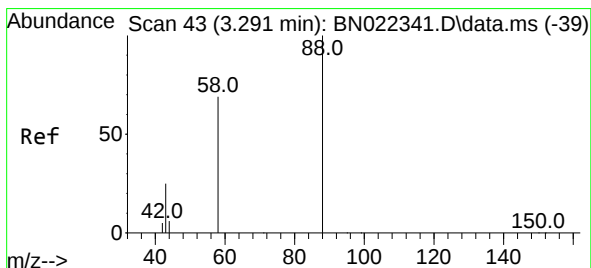
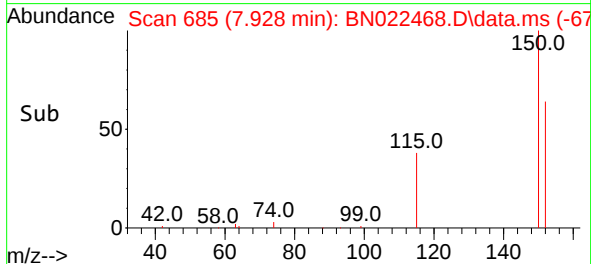
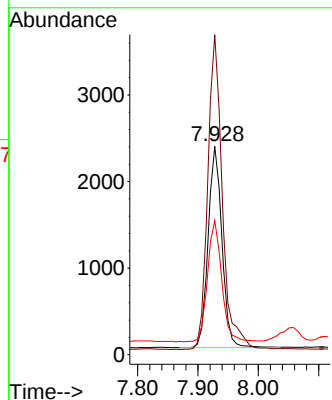
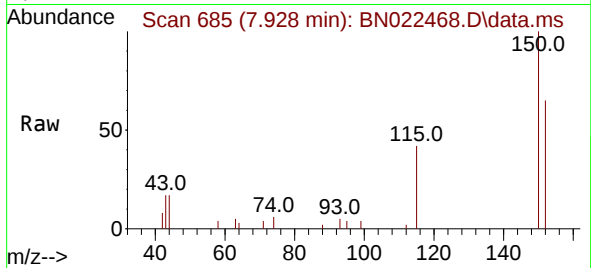




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.928 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN022468.D
 Acq: 02 Nov 2022 17:39

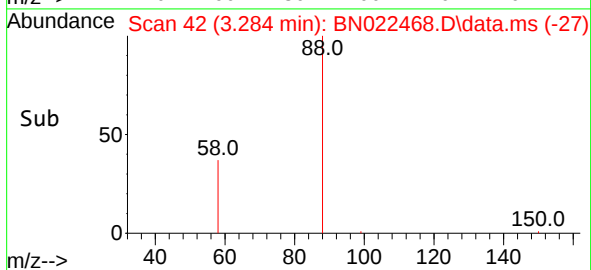
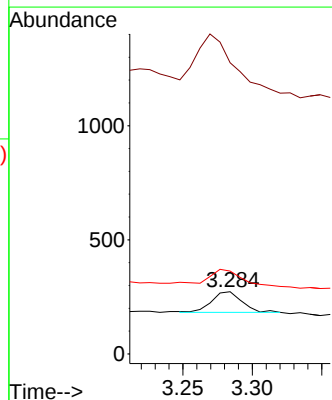
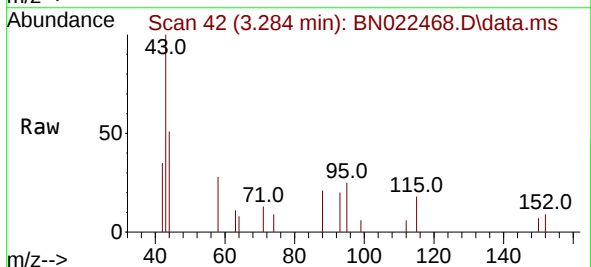
Instrument :
 BNA_N
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 S-5-103122

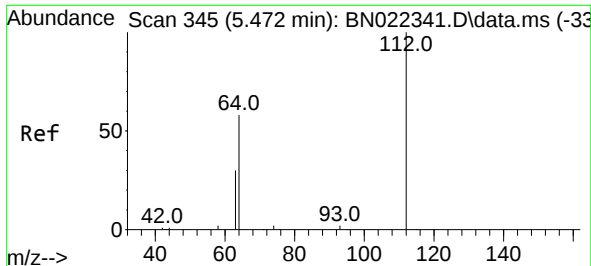
Tgt Ion:152 Resp: 3706
 Ion Ratio Lower Upper
 152 100
 150 153.6 125.2 187.8
 115 64.4 52.0 78.0



#2
 1,4-Dioxane
 Concen: 0.027 ng
 RT: 3.284 min Scan# 42
 Delta R.T. 0.007 min
 Lab File: BN022468.D
 Acq: 02 Nov 2022 17:39

Tgt Ion: 88 Resp: 138
 Ion Ratio Lower Upper
 88 100
 43 351.4 22.6 33.8#
 58 84.8 59.7 89.5

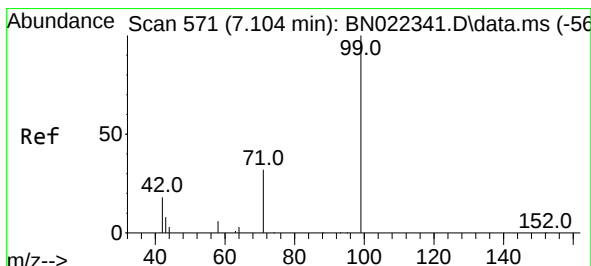
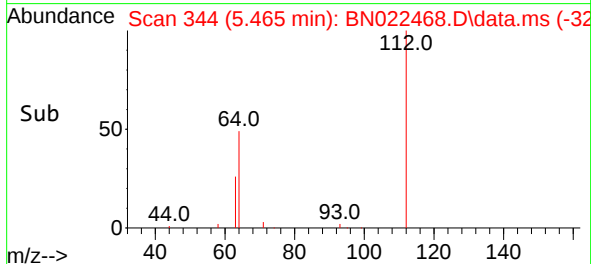
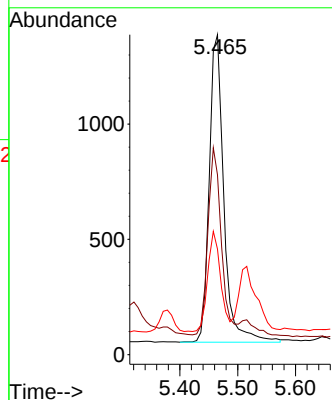
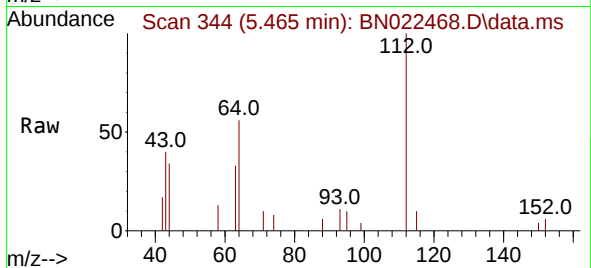




#4
2-Fluorophenol
Concen: 0.237 ng
RT: 5.465 min Scan# 34
Delta R.T. 0.007 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

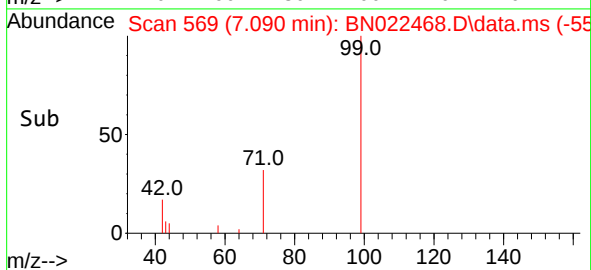
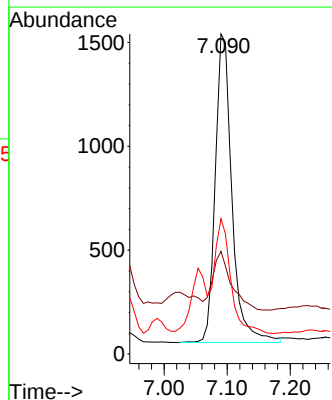
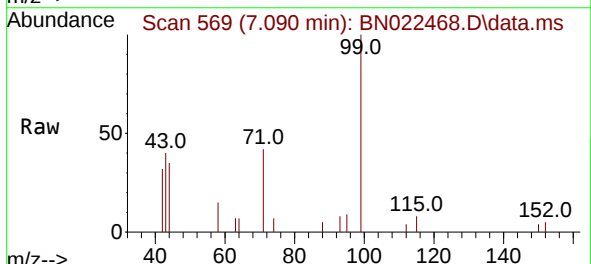
Instrument :
BNA_N
ClientSampleId :
S-5-103122

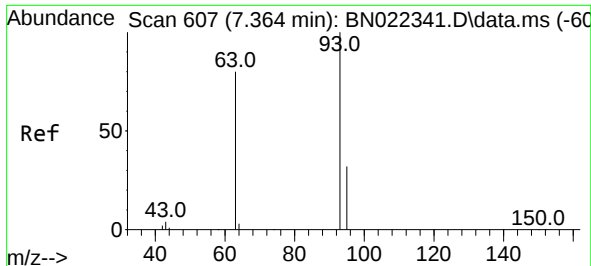
Tgt Ion:112 Resp: 2342
Ion Ratio Lower Upper
112 100
64 55.1 47.0 70.4
63 29.1 24.5 36.7



#5
Phenol-d6
Concen: 0.220 ng
RT: 7.090 min Scan# 569
Delta R.T. 0.000 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

Tgt Ion: 99 Resp: 2722
Ion Ratio Lower Upper
99 100
42 21.2 16.3 24.5
71 36.3 26.1 39.1

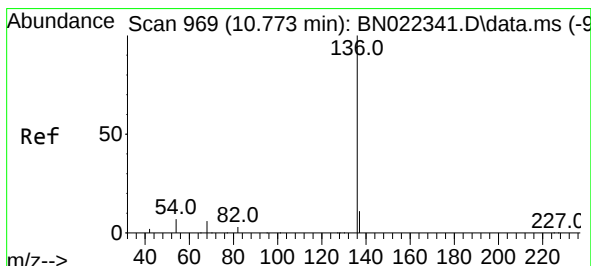
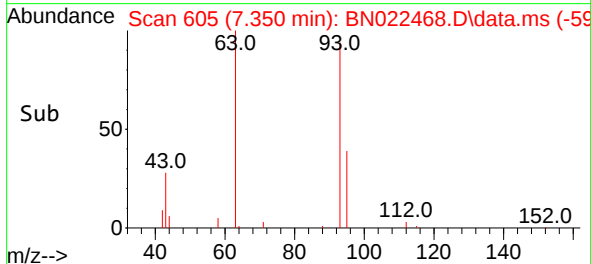
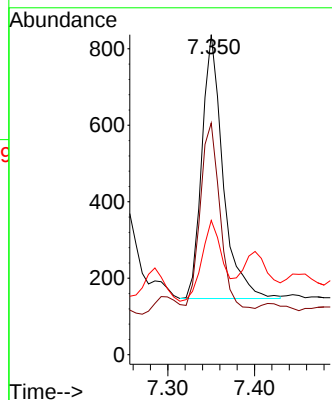
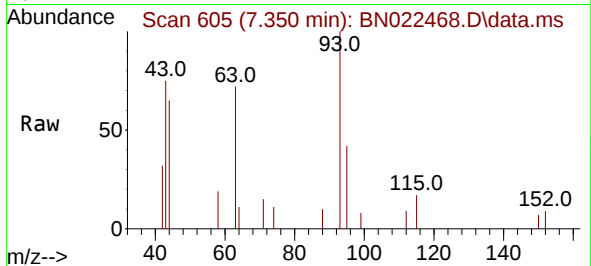




#6
 bis(2-Chloroethyl)ether
 Concen: 0.098 ng
 RT: 7.350 min Scan# 607
 Delta R.T. 0.000 min
 Lab File: BN022468.D
 Acq: 02 Nov 2022 17:39

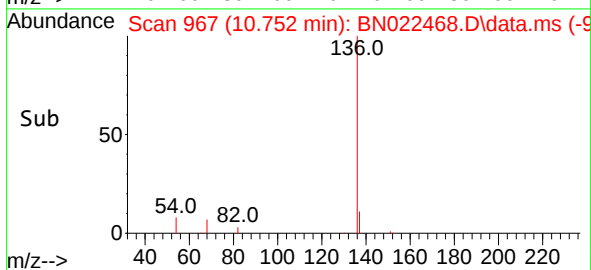
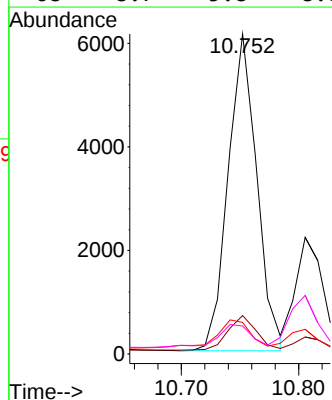
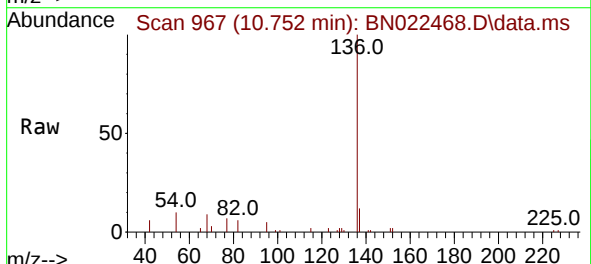
Instrument :
 BNA_N
 ClientSampleId :
 S-5-103122

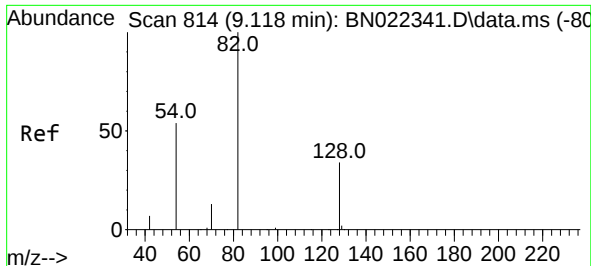
Tgt Ion:	93	Resp:	1169
Ion	Ratio	Lower	Upper
93	100		
63	68.7	62.6	93.8
95	29.3	26.1	39.1



#7
 Naphthalene-d8
 Concen: 0.400 ng
 RT: 10.752 min Scan# 967
 Delta R.T. 0.000 min
 Lab File: BN022468.D
 Acq: 02 Nov 2022 17:39

Tgt Ion:	136	Resp:	10418
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.4	14.2
54	9.8	6.5	9.7#
68	8.7	5.8	8.8

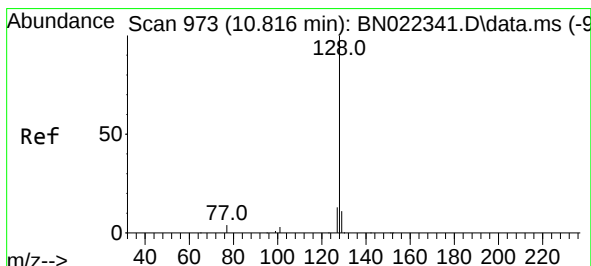
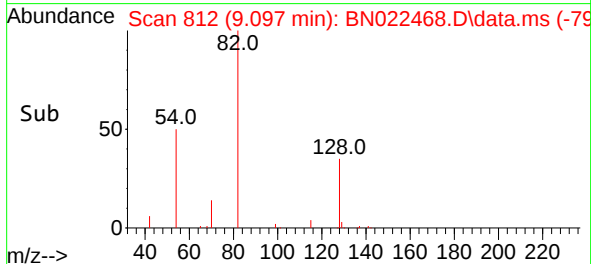
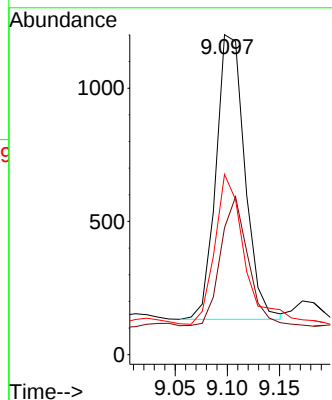
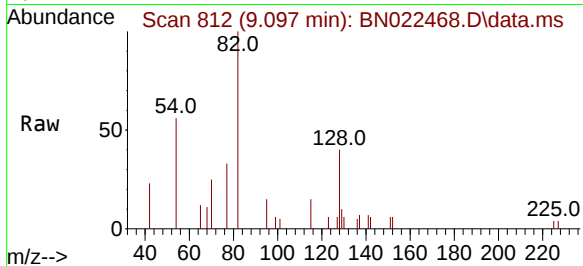




#8
Nitrobenzene-d5
Concen: 0.228 ng
RT: 9.097 min Scan# 814
Delta R.T. -0.011 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

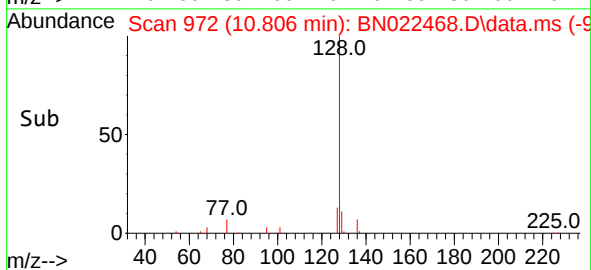
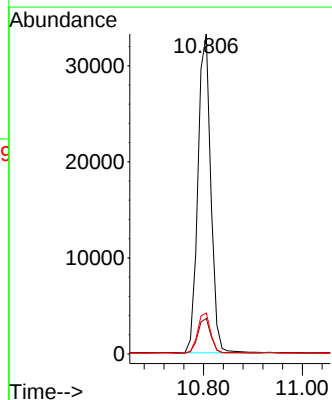
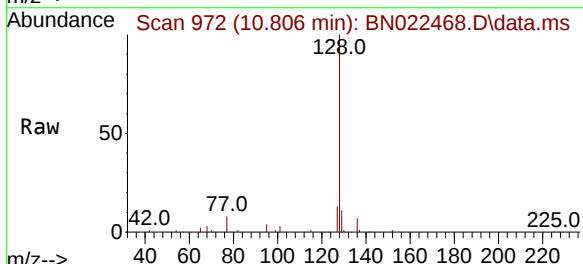
Instrument :
BNA_N
ClientSampleId :
S-5-103122

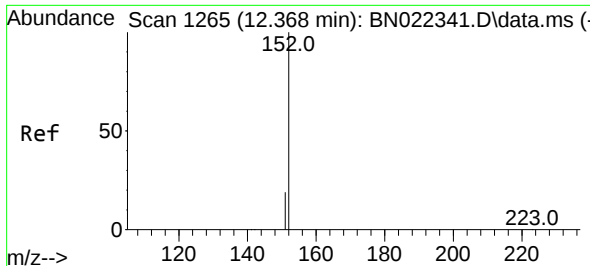
Tgt Ion: 82 Resp: 2057
Ion Ratio Lower Upper
82 100
128 39.6 30.5 45.7
54 56.4 45.2 67.8



#9
Naphthalene
Concen: 1.928 ng
RT: 10.806 min Scan# 972
Delta R.T. 0.011 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

Tgt Ion: 128 Resp: 60066
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 12.8 11.0 16.6





#11

2-Methylnaphthalene-d10

Concen: 0.161 ng

RT: 12.346 min Scan# 1191

Delta R.T. -0.004 min

Lab File: BN022468.D

Acq: 02 Nov 2022 17:39

Instrument :

BNA_N

ClientSampleId :

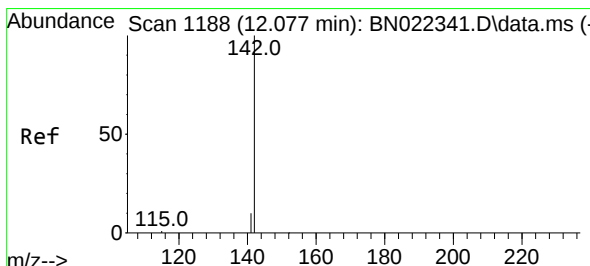
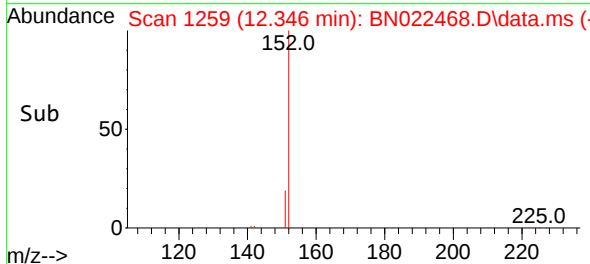
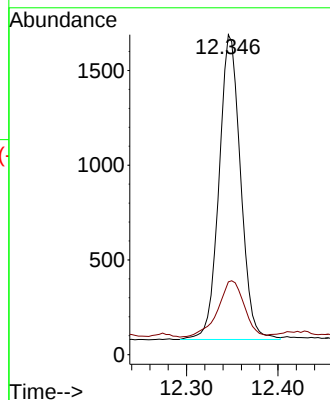
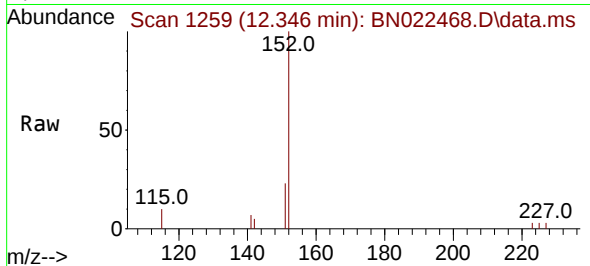
S-5-103122

Tgt Ion:152 Resp: 2630

Ion Ratio Lower Upper

152 100

151 22.3 16.7 25.1



#12

2-Methylnaphthalene

Concen: 0.040 ng

RT: 12.089 min Scan# 1191

Delta R.T. 0.027 min

Lab File: BN022468.D

Acq: 02 Nov 2022 17:39

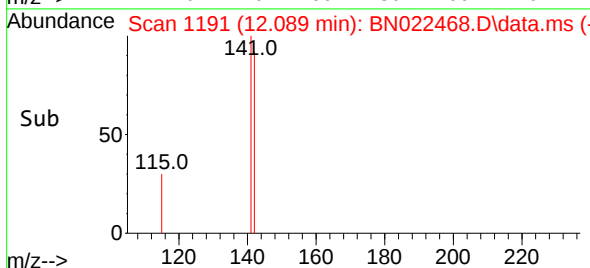
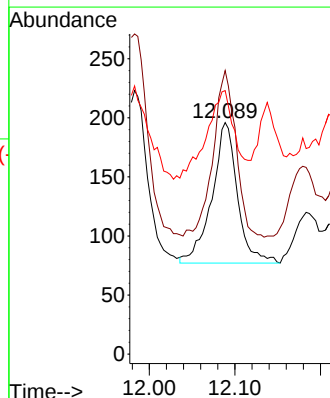
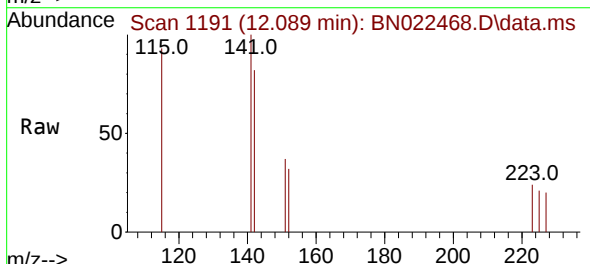
Tgt Ion:142 Resp: 247

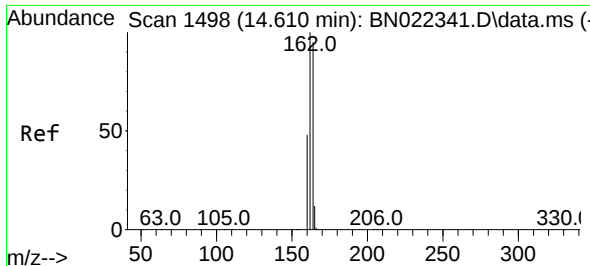
Ion Ratio Lower Upper

142 100

141 122.4 13.0 19.4#

115 113.8 9.1 13.7#

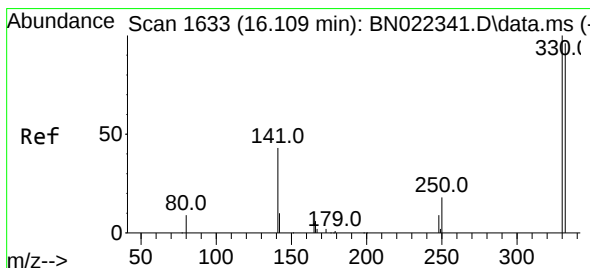
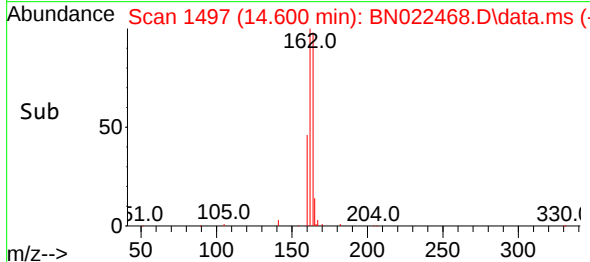
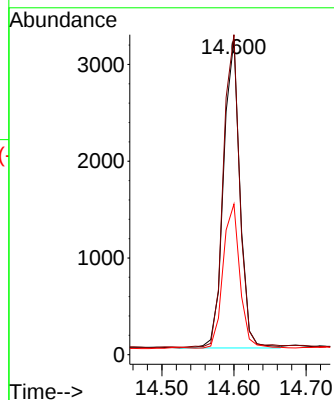
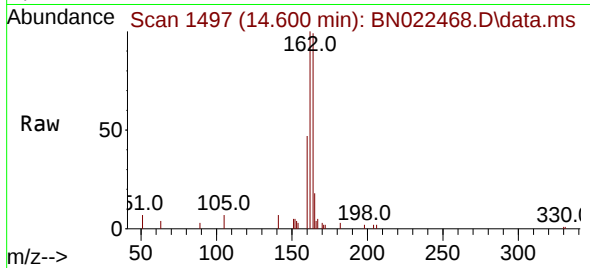




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.600 min Scan# 14
Delta R.T. 0.011 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

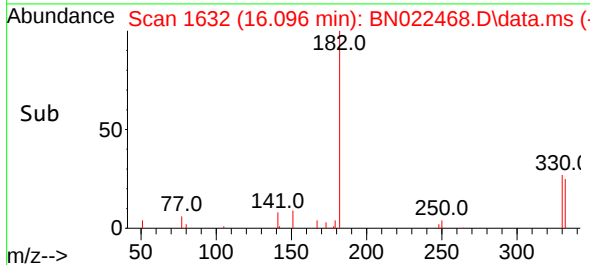
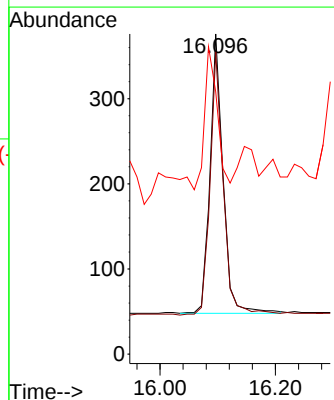
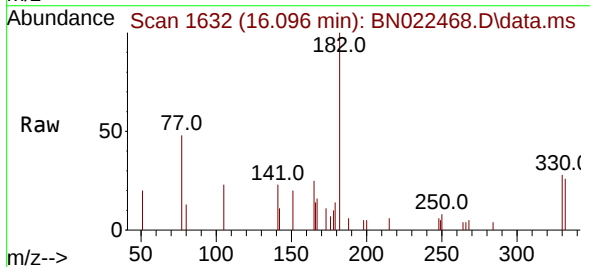
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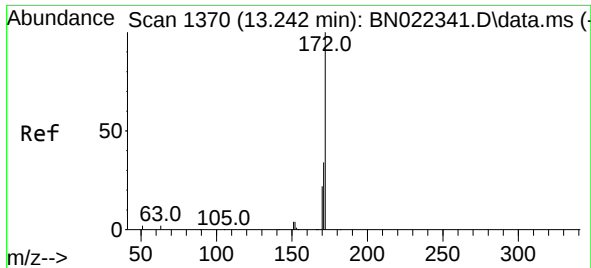
Tgt Ion:164 Resp: 5017
Ion Ratio Lower Upper
164 100
162 101.4 83.9 125.9
160 47.7 41.0 61.4



#14
2,4,6-Tribromophenol
Concen: 0.237 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

Tgt Ion:330 Resp: 512
Ion Ratio Lower Upper
330 100
332 96.3 78.6 118.0
141 49.8 40.2 60.4

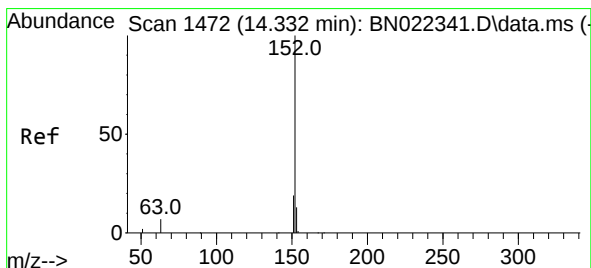
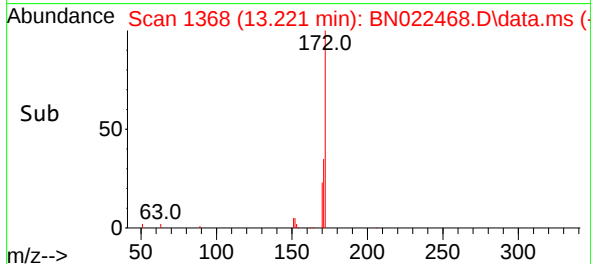
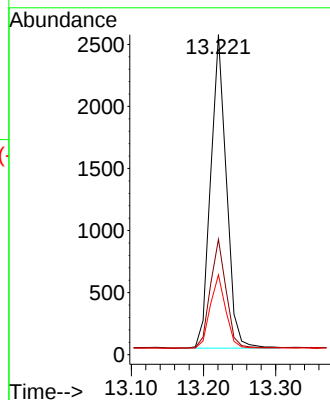
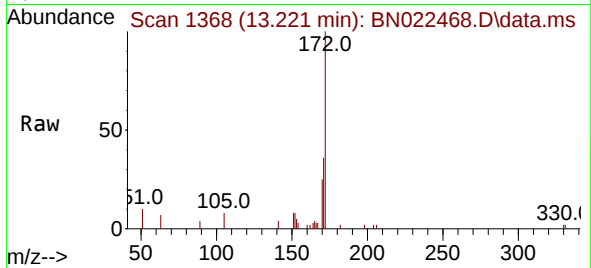




#15
2-Fluorobiphenyl
Concen: 0.179 ng
RT: 13.221 min Scan# 1368
Delta R.T. 0.000 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

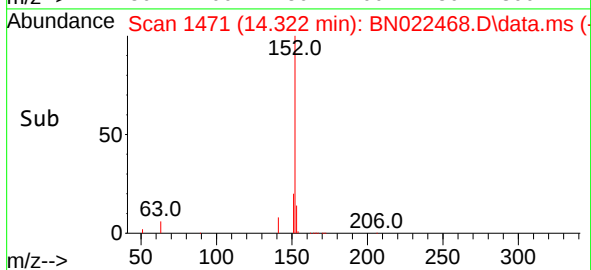
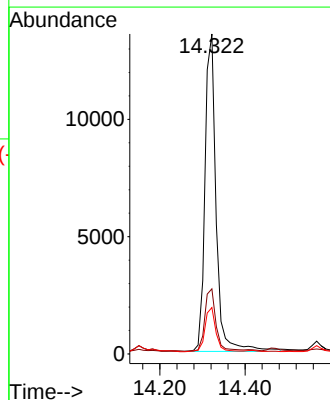
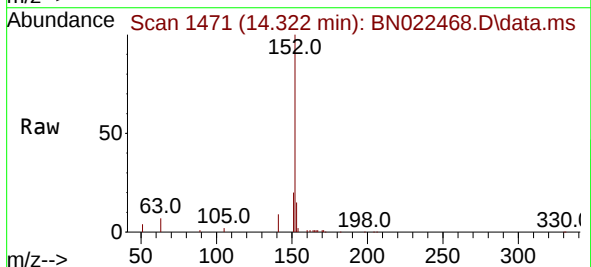
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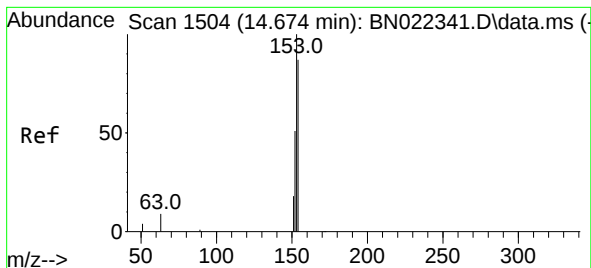
Tgt Ion:	172	Resp:	3831
Ion	Ratio	Lower	Upper
172	100		
171	36.1	27.4	41.0
170	24.9	18.5	27.7



#16
Acenaphthylene
Concen: 1.012 ng
RT: 14.322 min Scan# 1471
Delta R.T. 0.011 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

Tgt Ion:	152	Resp:	24597
Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.2	22.8
153	13.5	10.3	15.5





#17

Acenaphthene

Concen: 0.485 ng

RT: 14.664 min Scan# 1503

Delta R.T. 0.011 min

Lab File: BN022468.D

Acq: 02 Nov 2022 17:39

Instrument :

BNA_N

ClientSampleId :

S-5-103122

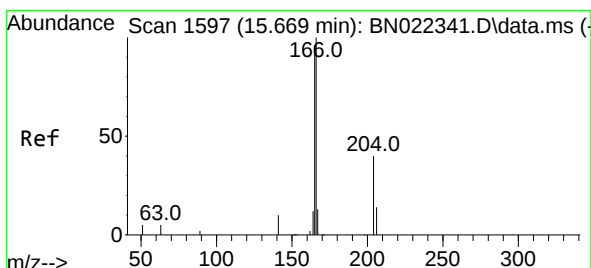
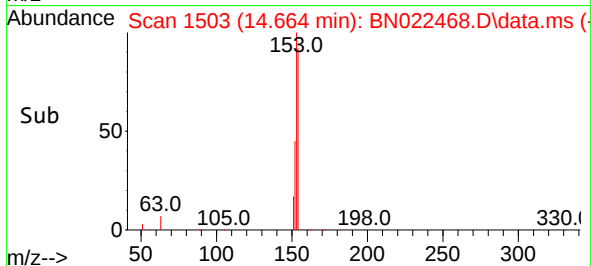
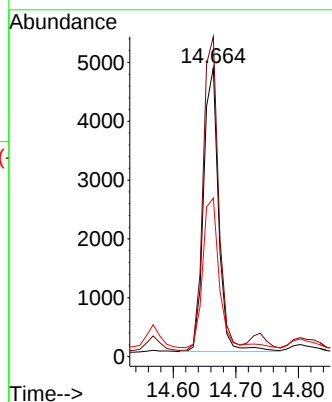
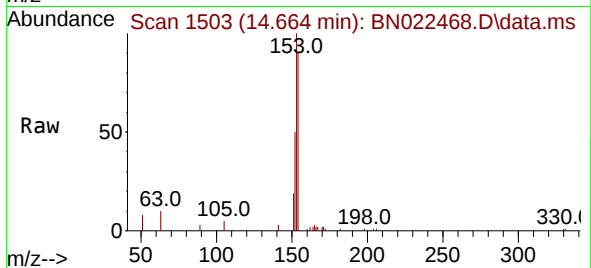
Tgt Ion:154 Resp: 8043

Ion Ratio Lower Upper

154 100

153 112.8 92.2 138.2

152 57.8 47.6 71.4



#18

Fluorene

Concen: 0.631 ng

RT: 15.648 min Scan# 1595

Delta R.T. 0.000 min

Lab File: BN022468.D

Acq: 02 Nov 2022 17:39

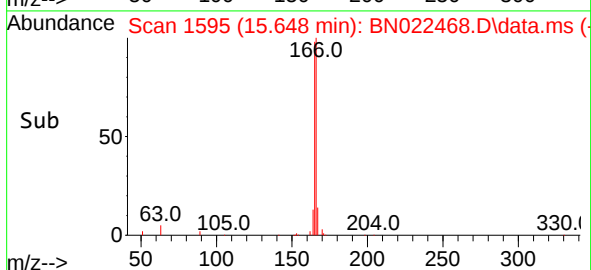
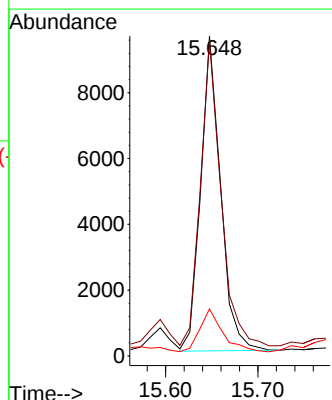
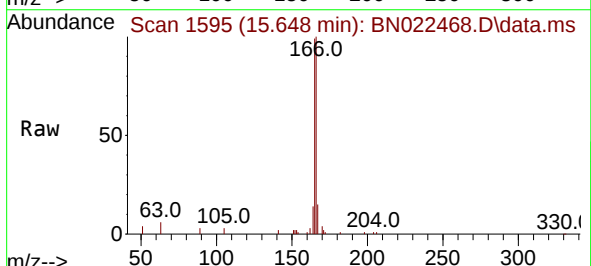
Tgt Ion:166 Resp: 14569

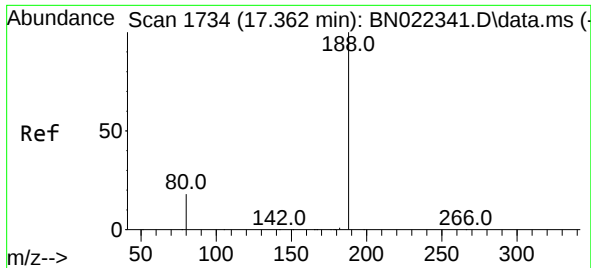
Ion Ratio Lower Upper

166 100

165 99.2 78.6 118.0

167 15.3 10.2 15.4

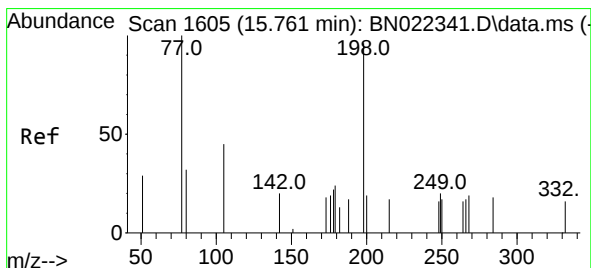
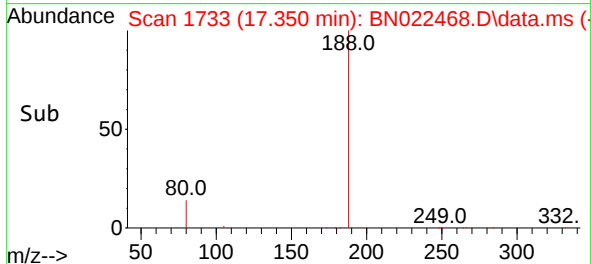
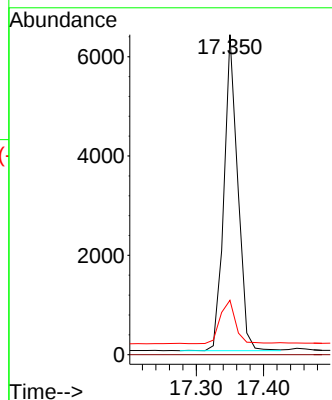
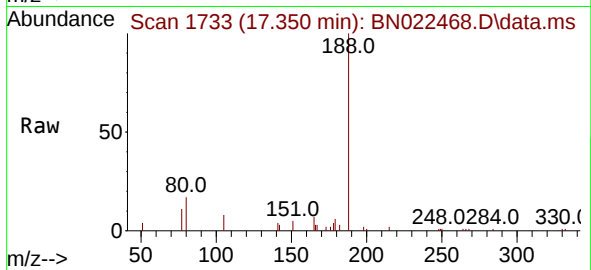




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

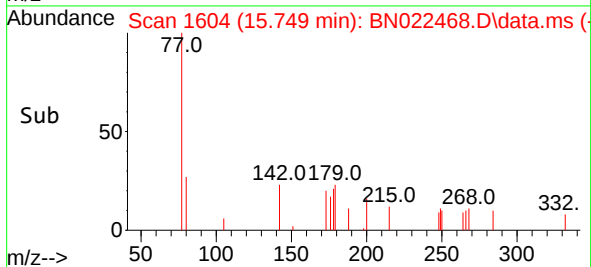
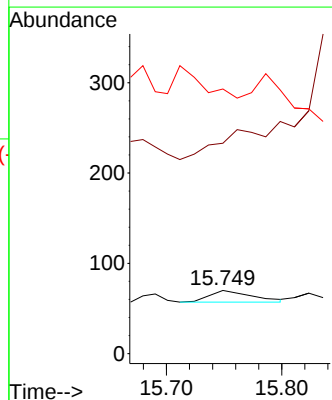
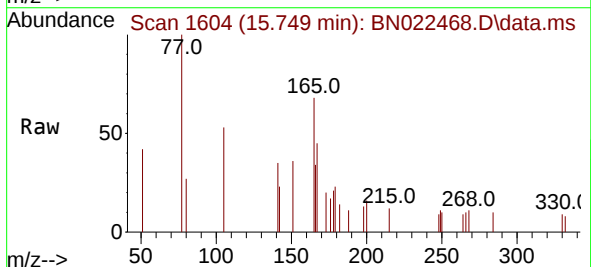
Instrument :
BNA_N
ClientSampleId :
S-5-103122

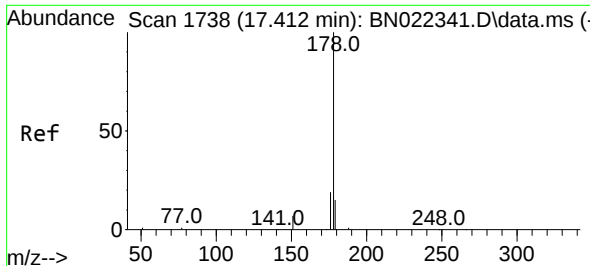
Tgt Ion:188 Resp: 9020
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.0 15.0 22.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.024 ng
RT: 15.749 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

Tgt Ion:198 Resp: 34
Ion Ratio Lower Upper
198 100
51 332.9 74.1 111.1#
105 418.6 58.8 88.2#

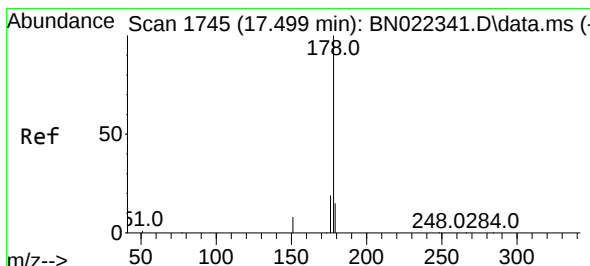
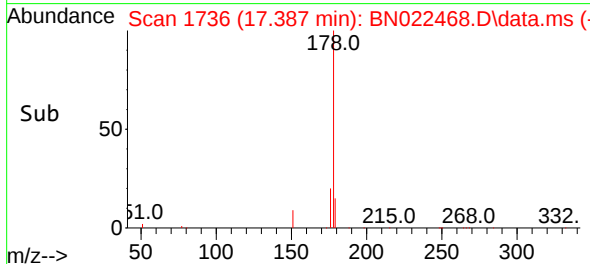
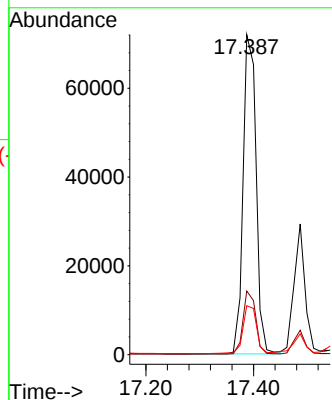
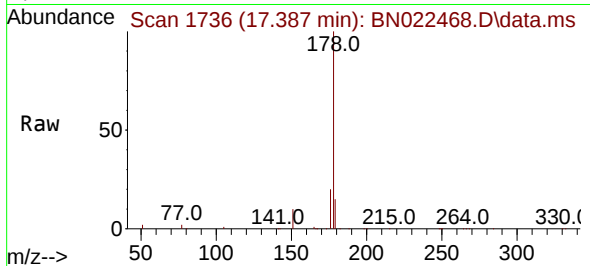




#25
Phenanthrene
Concen: 3.902 ng
RT: 17.387 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

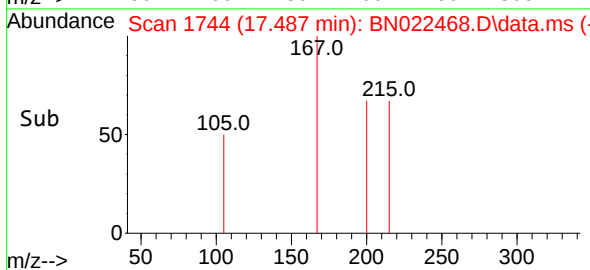
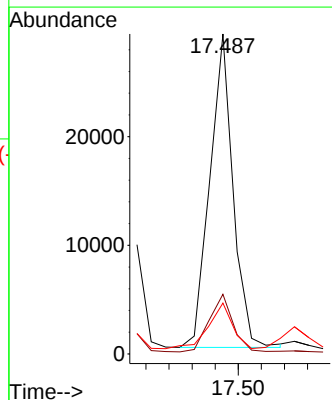
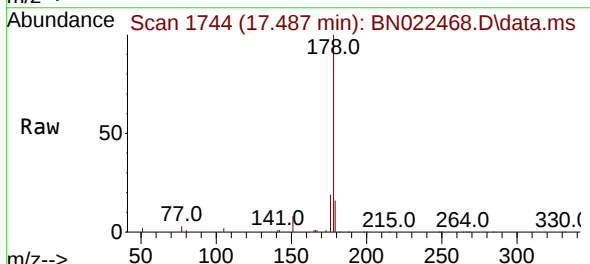
Instrument :
BNA_N
ClientSampleId :
S-5-103122

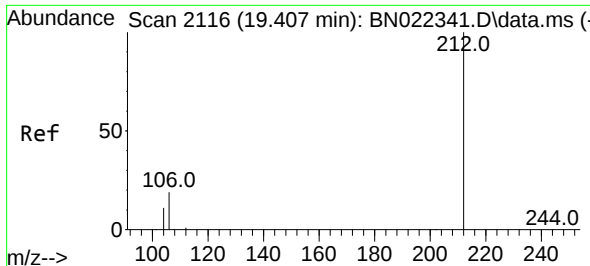
Tgt Ion:178 Resp: 120697
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.7 12.5 18.7



#26
Anthracene
Concen: 1.551 ng
RT: 17.487 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

Tgt Ion:178 Resp: 40410
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.4
179 15.0 12.2 18.4

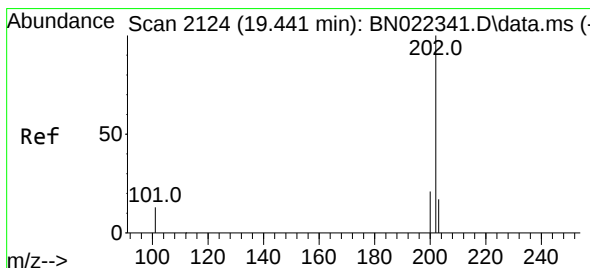
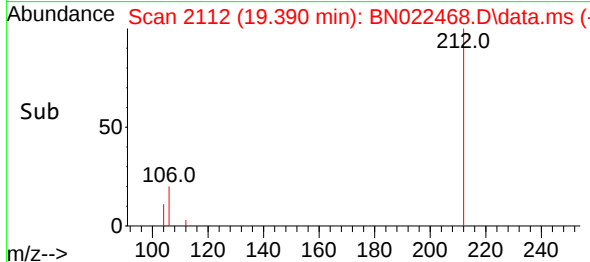
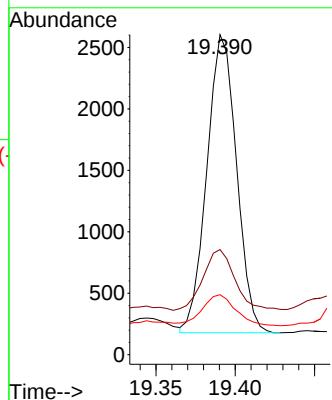
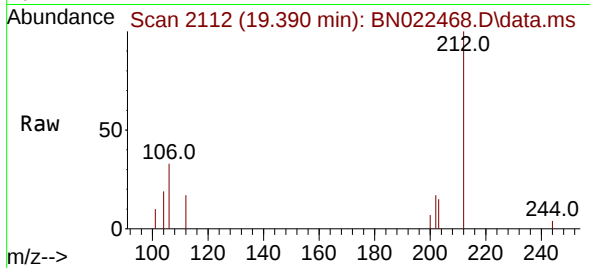




#27
Fluoranthene-d10
Concen: 0.127 ng
RT: 19.390 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

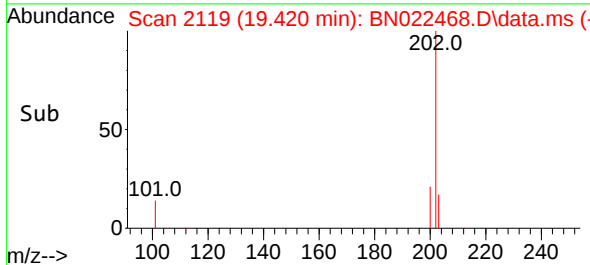
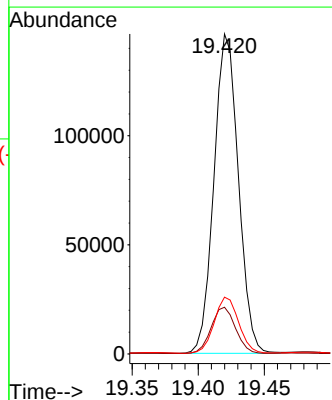
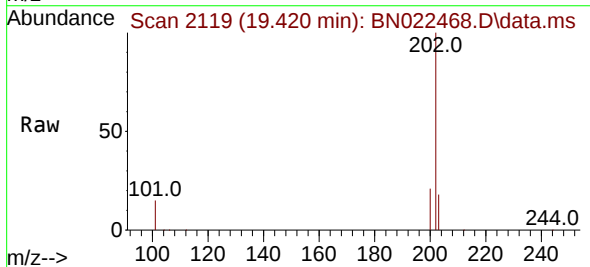
Instrument :
BNA_N
ClientSampleId :
S-5-103122

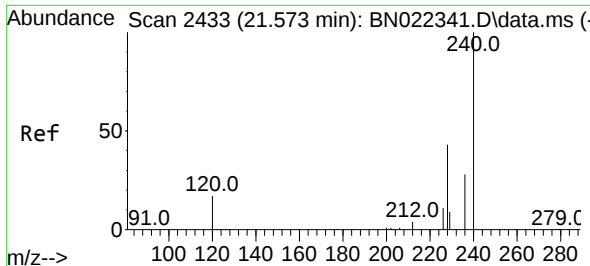
Tgt Ion:212 Resp: 3164
Ion Ratio Lower Upper
212 100
106 21.7 15.0 22.4
104 12.3 9.3 13.9



#28
Fluoranthene
Concen: 5.613 ng
RT: 19.420 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

Tgt Ion:202 Resp: 188226
Ion Ratio Lower Upper
202 100
101 14.5 11.4 17.0
203 17.4 13.7 20.5

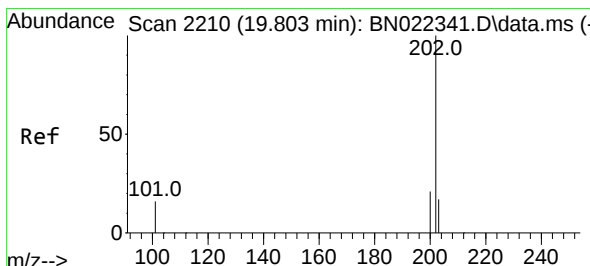
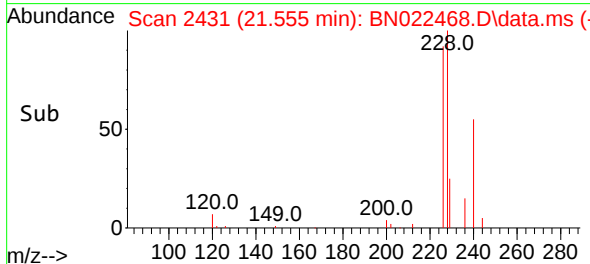
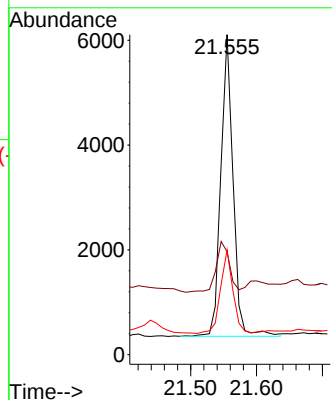
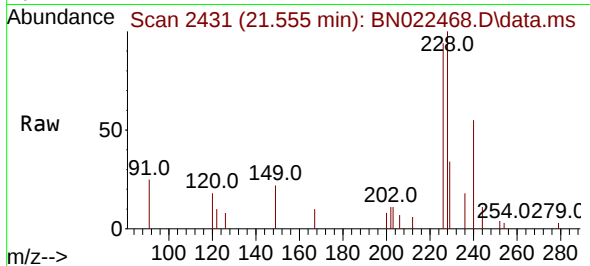




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. 0.000 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

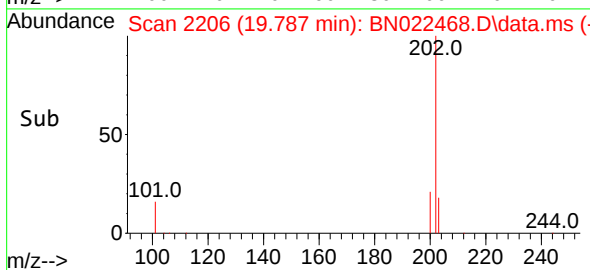
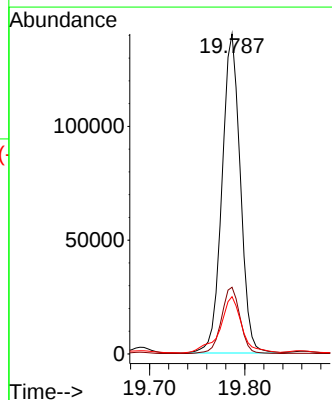
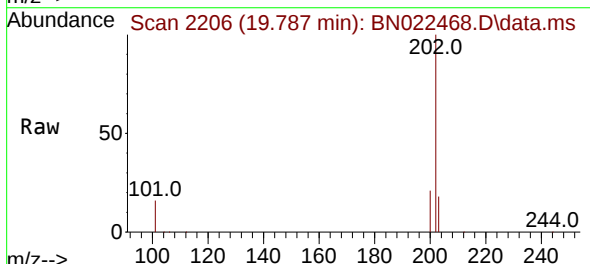
Instrument :
BNA_N
ClientSampleId :
S-5-103122

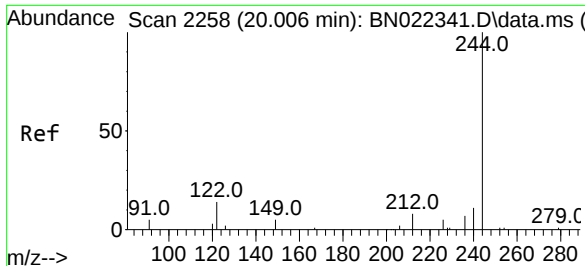
Tgt Ion:240 Resp: 7427
Ion Ratio Lower Upper
240 100
120 32.2 15.8 23.6#
236 32.7 23.2 34.8



#30
Pyrene
Concen: 5.493 ng
RT: 19.787 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

Tgt Ion:202 Resp: 187734
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 20.8 14.2 21.2

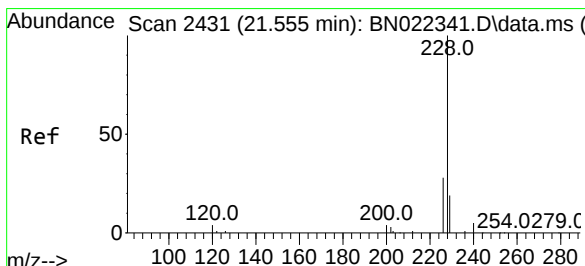
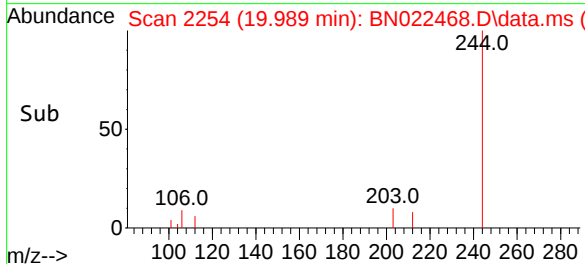
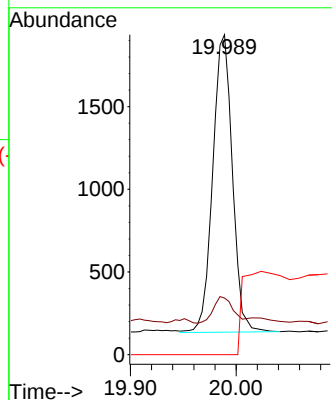
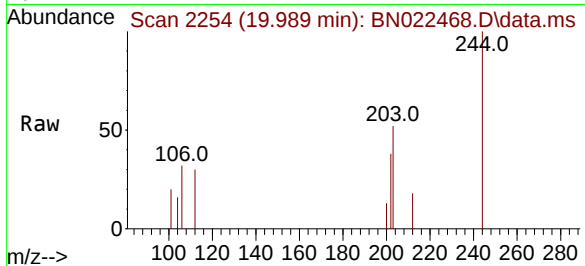




#31
 Terphenyl-d14
 Concen: 0.148 ng
 RT: 19.989 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BN022468.D
 Acq: 02 Nov 2022 17:39

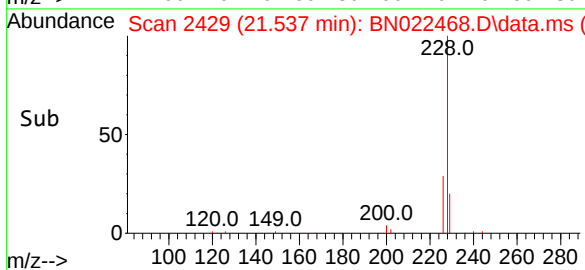
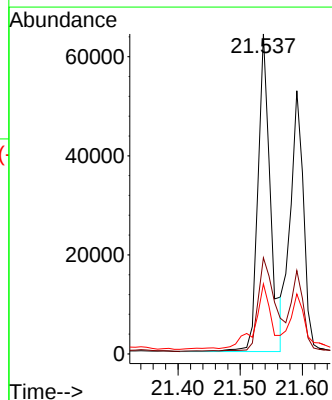
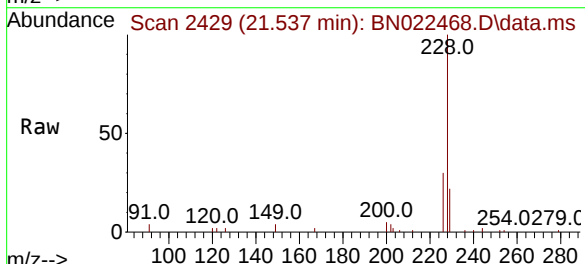
Instrument :
 BNA_N
 ClientSampleId :
 S-5-103122

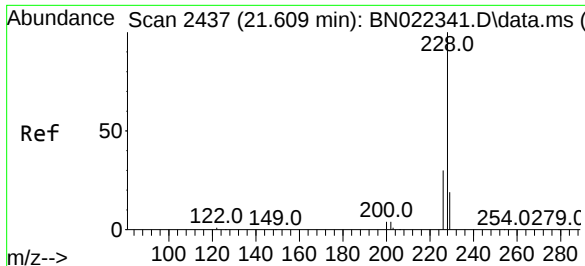
Tgt Ion:244 Resp: 2856
 Ion Ratio Lower Upper
 244 100
 212 17.7 7.0 10.4#
 122 0.0 11.5 17.3#



#32
 Benzo(a)anthracene
 Concen: 3.039 ng
 RT: 21.537 min Scan# 2429
 Delta R.T. 0.000 min
 Lab File: BN022468.D
 Acq: 02 Nov 2022 17:39

Tgt Ion:228 Resp: 88847
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.6 34.0
 229 21.9 15.5 23.3





#33

Chrysene

Concen: 2.514 ng

RT: 21.591 min Scan# 2435

Delta R.T. 0.000 min

Lab File: BN022468.D

Acq: 02 Nov 2022 17:39

Instrument :

BNA_N

ClientSampleId :

S-5-103122

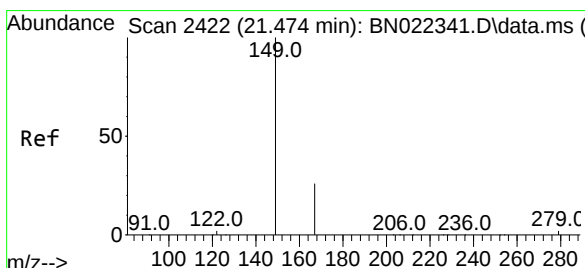
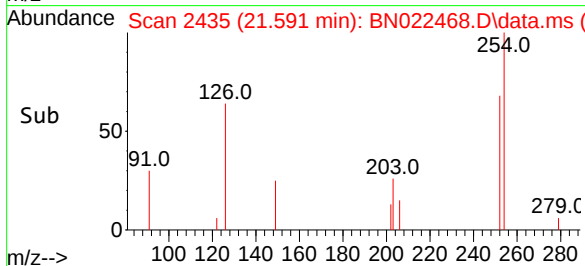
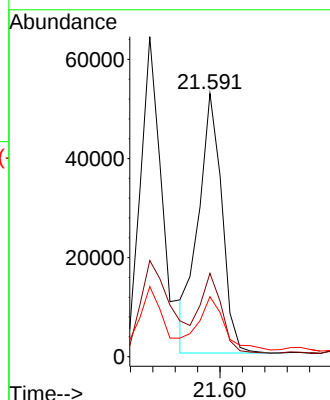
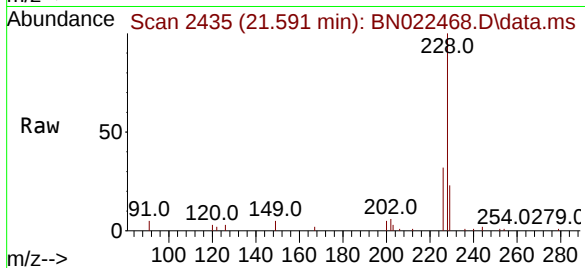
Tgt Ion:228 Resp: 76839

Ion Ratio Lower Upper

228 100

226 31.7 24.5 36.7

229 22.8 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.436 ng

RT: 21.457 min Scan# 2420

Delta R.T. 0.009 min

Lab File: BN022468.D

Acq: 02 Nov 2022 17:39

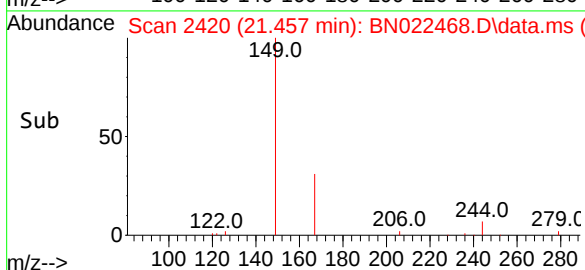
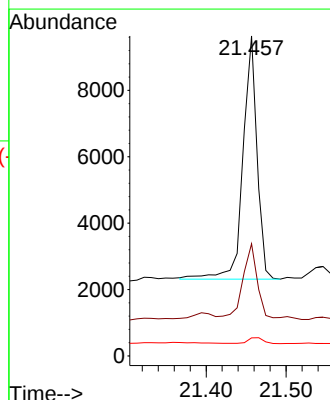
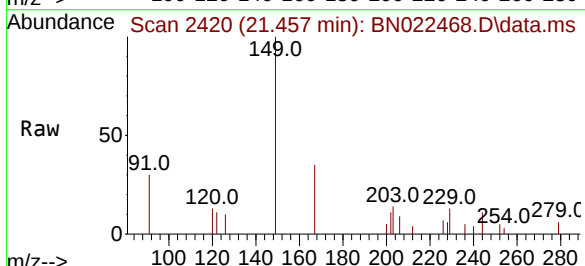
Tgt Ion:149 Resp: 8958

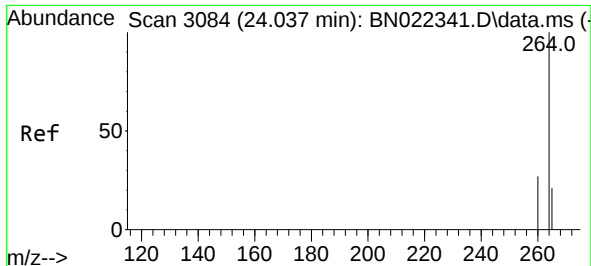
Ion Ratio Lower Upper

149 100

167 30.8 20.2 30.4#

279 2.7 2.3 3.5

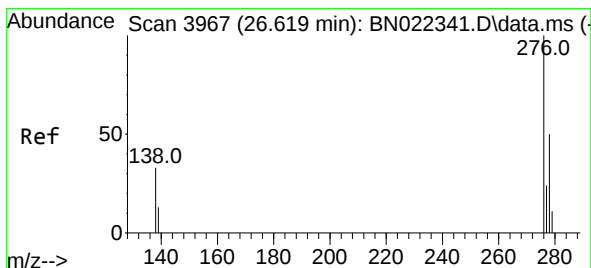
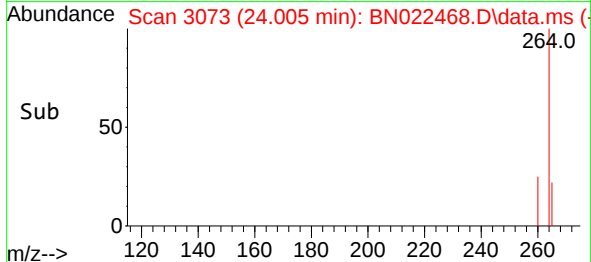
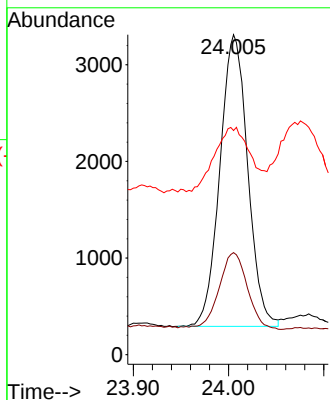
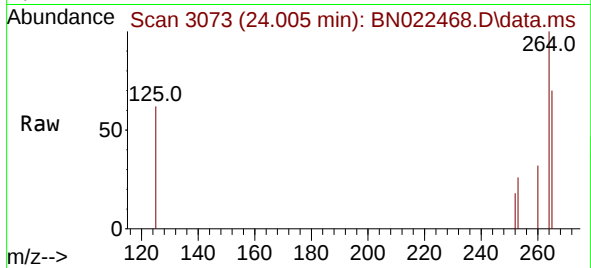




#35
Perylene-d12
Concen: 0.400 ng
RT: 24.005 min Scan# 3084
Delta R.T. 0.003 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

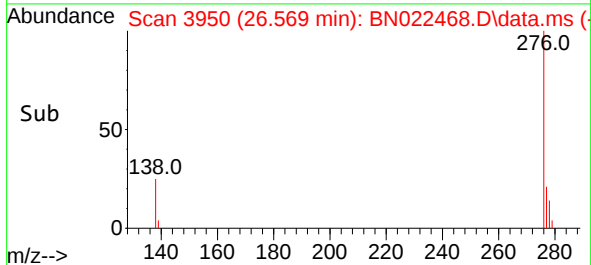
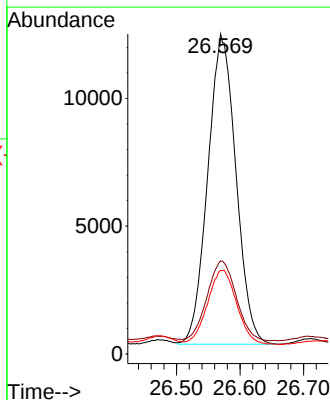
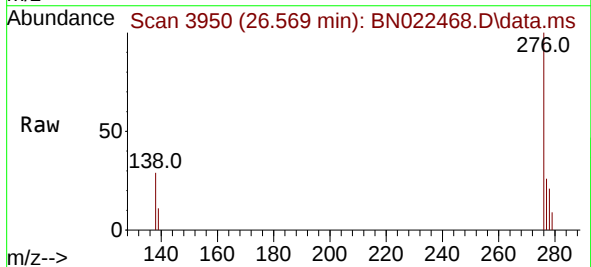
Instrument :
BNA_N
ClientSampleId :
S-5-103122

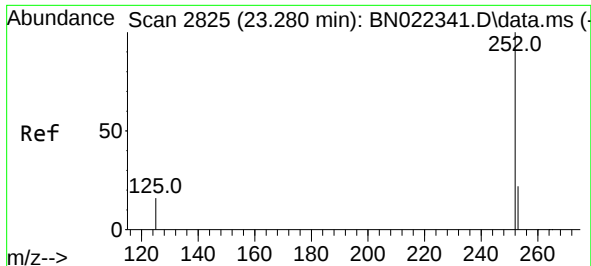
Tgt Ion:264 Resp: 6122
Ion Ratio Lower Upper
264 100
260 31.9 22.1 33.1
265 70.0 53.0 79.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 1.235 ng
RT: 26.569 min Scan# 3950
Delta R.T. 0.003 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

Tgt Ion:276 Resp: 37354
Ion Ratio Lower Upper
276 100
138 26.6 28.2 42.2#
277 25.0 19.7 29.5

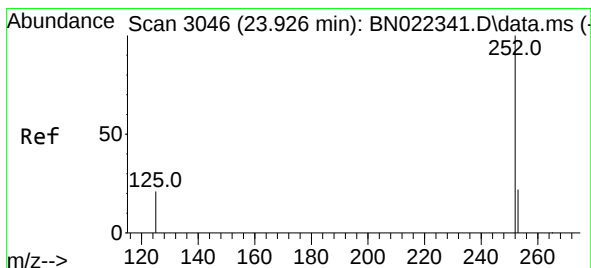
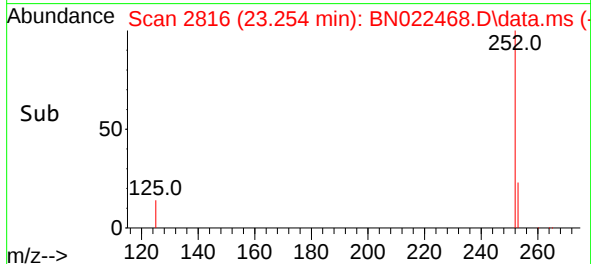
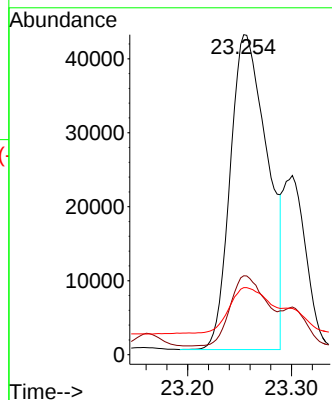
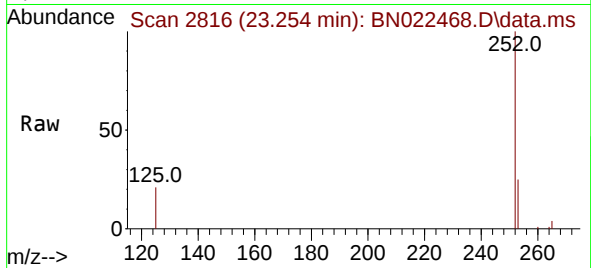




#37
Benzo(b)fluoranthene
Concen: 3.791 ng
RT: 23.254 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

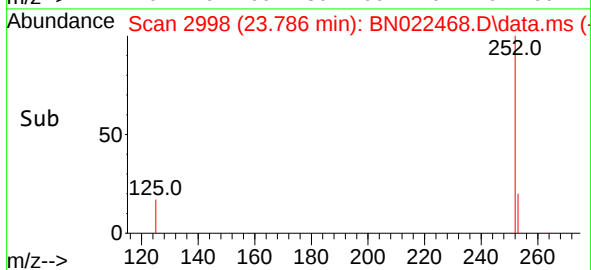
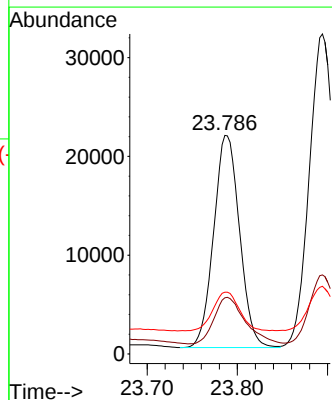
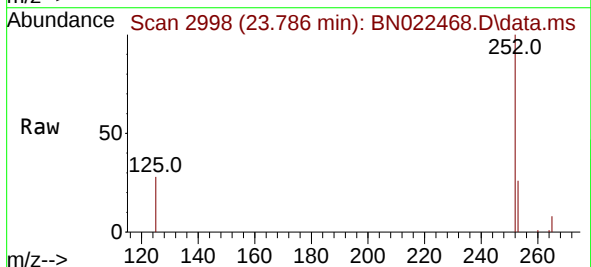
Instrument :
BNA_N
ClientSampleId :
S-5-103122

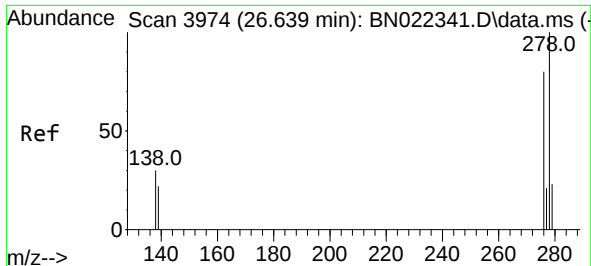
Tgt Ion:252 Resp: 106243
Ion Ratio Lower Upper
252 100
253 24.6 20.4 30.6
125 20.9 16.6 25.0



#39
Benzo(a)pyrene
Concen: 1.875 ng
RT: 23.786 min Scan# 2998
Delta R.T. -0.105 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

Tgt Ion:252 Resp: 42753
Ion Ratio Lower Upper
252 100
253 25.7 21.9 32.9
125 28.2 22.9 34.3

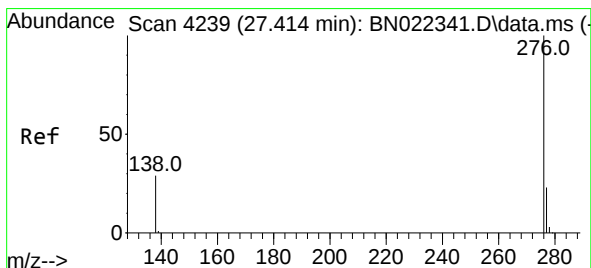
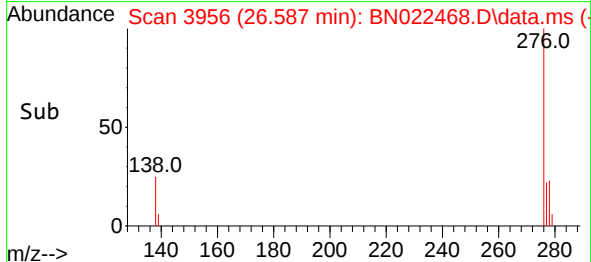
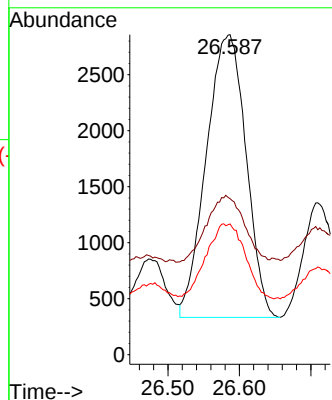
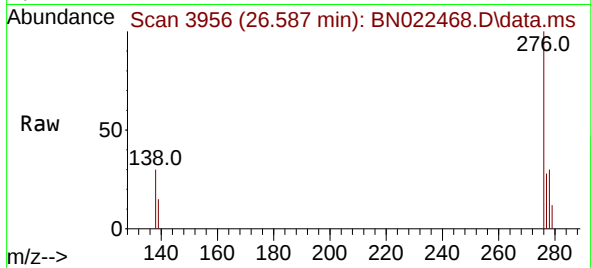




#40
Dibenzo(a,h)anthracene
Concen: 0.412 ng
RT: 26.587 min Scan# 3956
Delta R.T. 0.000 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

Instrument :
BNA_N
ClientSampleId :
S-5-103122

Tgt Ion:278 Resp: 9738
Ion Ratio Lower Upper
278 100
139 48.7 20.2 30.2#
279 40.8 21.0 31.4#



#41
Benzo(g,h,i)perylene
Concen: 1.515 ng
RT: 27.368 min Scan# 4223
Delta R.T. 0.009 min
Lab File: BN022468.D
Acq: 02 Nov 2022 17:39

Tgt Ion:276 Resp: 37746
Ion Ratio Lower Upper
276 100
277 26.2 19.5 29.3
138 30.7 25.0 37.4

