

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050422\
 Data File : BN019690.D
 Acq On : 05 May 2022 07:51
 Operator : CG/JU
 Sample : N2680-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 B1-0-2

Quant Time: May 05 08:32:44 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN050422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:20:22 2022
 Response via : Initial Calibration

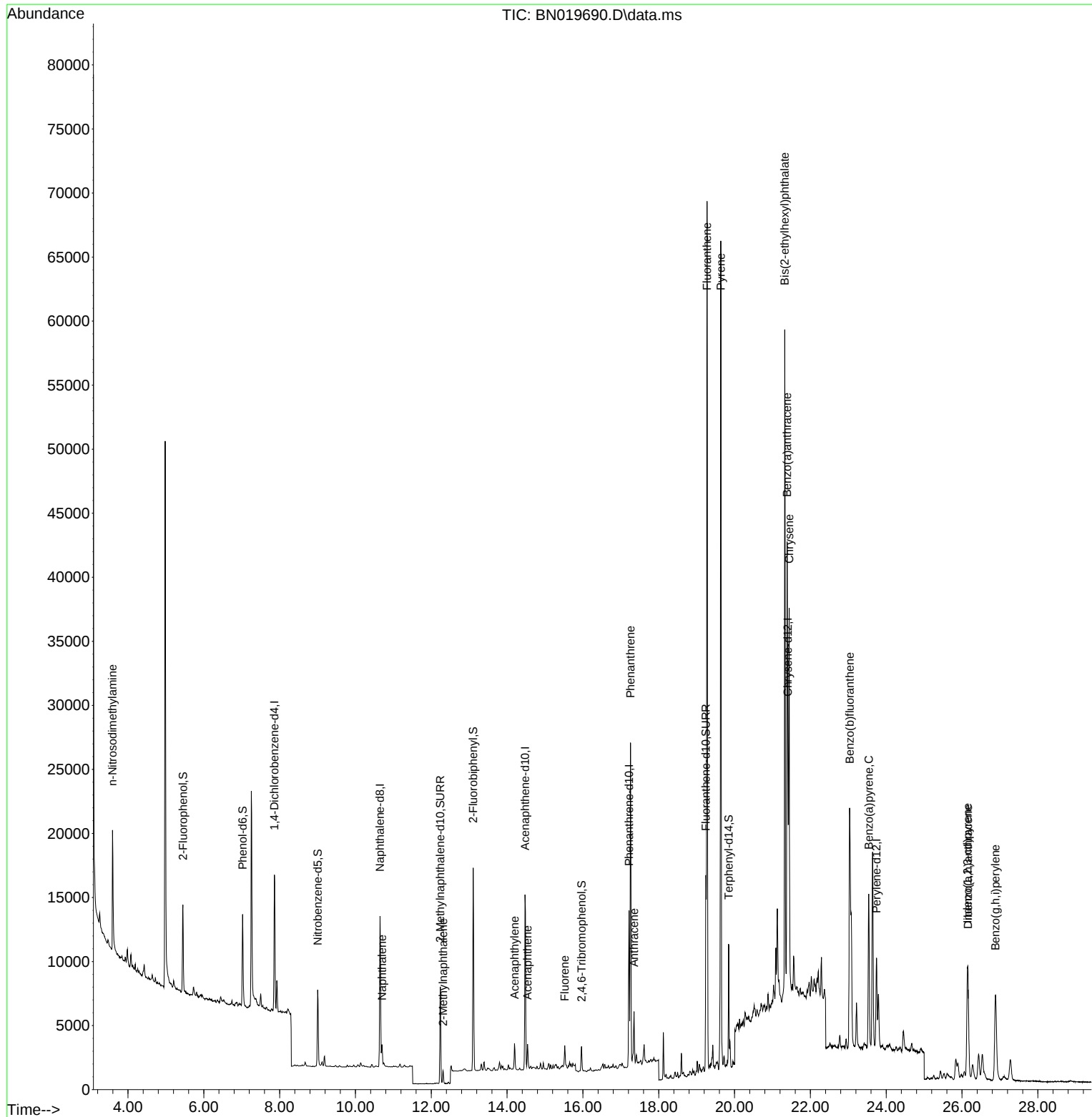
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	5406	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	15868	0.400	ng	0.00
13) Acenaphthene-d10	14.474	164	8471	0.400	ng	-0.01
19) Phenanthrene-d10	17.215	188	15841	0.400	ng	0.00
29) Chrysene-d12	21.404	240	11632	0.400	ng	# 0.00
35) Perylene-d12	23.744	264	10344	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.449	112	5682	0.450	ng	0.00
5) Phenol-d6	7.024	99	6681	0.432	ng	0.00
8) Nitrobenzene-d5	9.003	82	5019	0.390	ng	0.00
11) 2-Methylnaphthalene-d10	12.238	152	10689	0.413	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	1048	0.335	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	13946	0.382	ng	0.00
27) Fluoranthene-d10	19.244	212	16747	0.381	ng	0.00
31) Terphenyl-d14	19.843	244	10281	0.377	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.593	42	1366	0.211	ng	# 1
9) Naphthalene	10.701	128	2242	0.049	ng	# 92
12) 2-Methylnaphthalene	12.310	142	714	0.024	ng	# 94
16) Acenaphthylene	14.196	152	2266	0.055	ng	97
17) Acenaphthene	14.538	154	996	0.035	ng	96
18) Fluorene	15.521	166	1026	0.030	ng	# 95
25) Phenanthrene	17.256	178	25843	0.492	ng	99
26) Anthracene	17.349	178	4117	0.092	ng	# 90
28) Fluoranthene	19.274	202	61975	1.130	ng	99
30) Pyrene	19.636	202	58285	1.212	ng	# 96
32) Benzo(a)anthracene	21.386	228	27990	0.679	ng	95
33) Chrysene	21.440	228	29794	0.661	ng	97
34) Bis(2-ethylhexyl)phtha...	21.324	149	47150	2.161	ng	100
36) Indeno(1,2,3-cd)pyrene	26.144	276	15076	0.321	ng	94
37) Benzo(b)fluoranthene	23.036	252	33845	0.792	ng	98
39) Benzo(a)pyrene	23.539	252	16849	0.520	ng	97
40) Dibenzo(a,h)anthracene	26.159	278	3766	0.098	ng	# 80
41) Benzo(g,h,i)perylene	26.881	276	15309	0.404	ng	99

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

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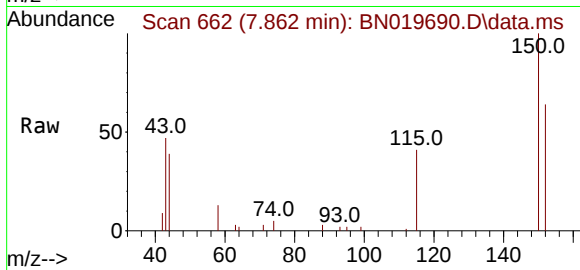
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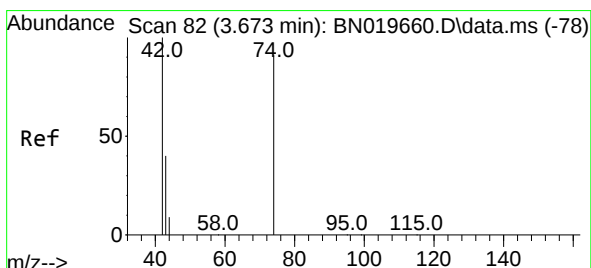
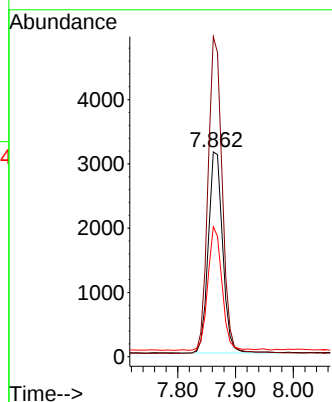
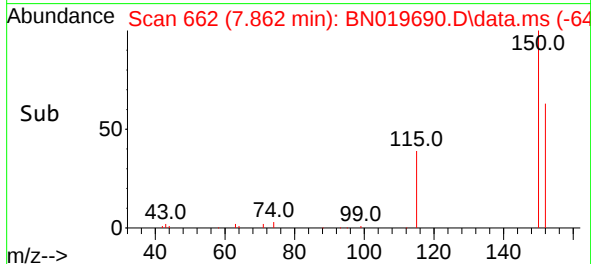


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.862 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

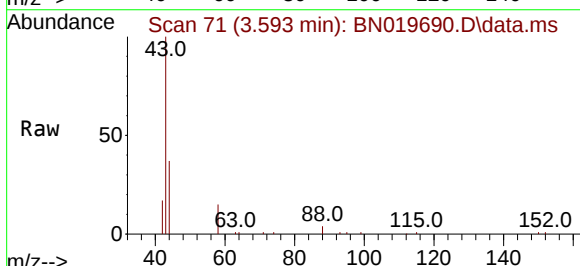
Instrument :
BNA_N
ClientSampleId :
B1-0-2



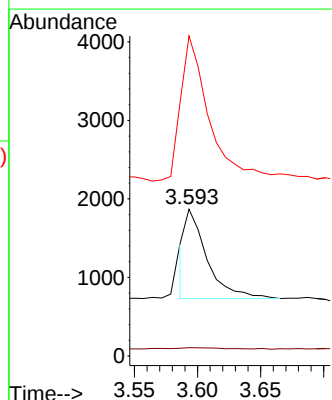
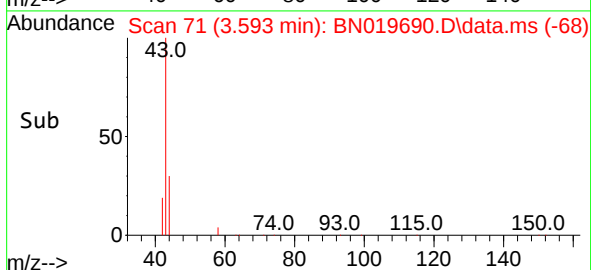
Tgt Ion:152 Resp: 5406
Ion Ratio Lower Upper
152 100
150 156.3 122.6 183.8
115 63.4 49.0 73.6

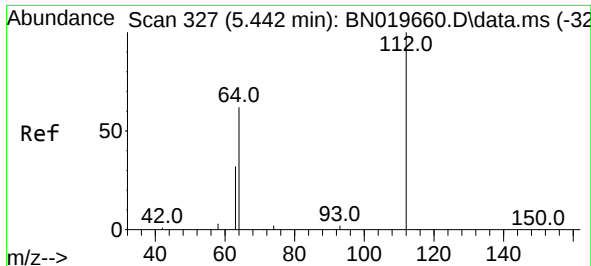


#3
n-Nitrosodimethylamine
Concen: 0.211 ng
RT: 3.593 min Scan# 71
Delta R.T. -0.079 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51



Tgt Ion: 42 Resp: 1366
Ion Ratio Lower Upper
42 100
74 2.3 101.8 152.6#
44 178.1 8.4 12.6#





#4

2-Fluorophenol

Concen: 0.450 ng

RT: 5.449 min Scan# 31

Delta R.T. 0.007 min

Lab File: BN019690.D

Acq: 05 May 2022 07:51

Instrument :

BNA_N

ClientSampleId :

B1-0-2

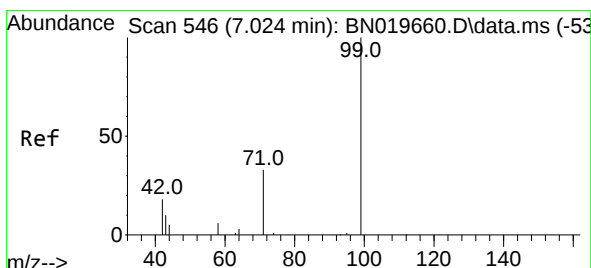
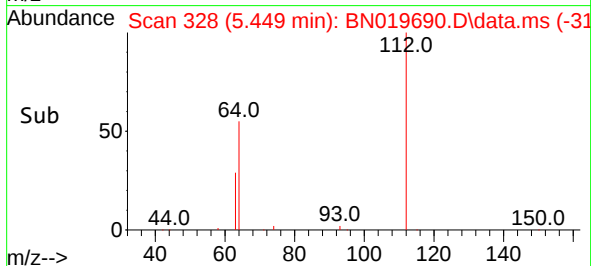
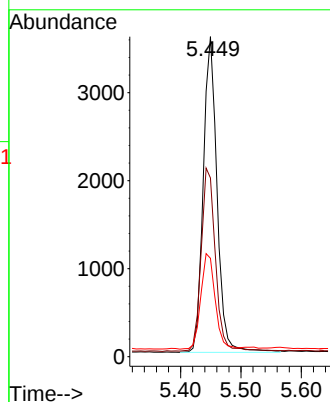
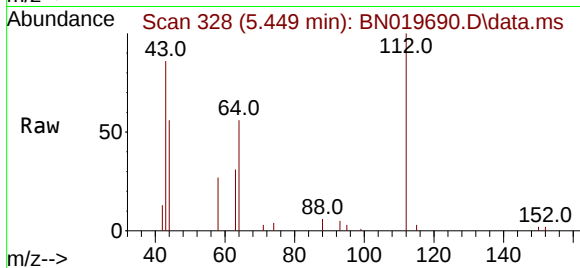
Tgt Ion:112 Resp: 5682

Ion Ratio Lower Upper

112 100

64 60.0 47.3 70.9

63 31.6 24.6 36.8



#5

Phenol-d6

Concen: 0.432 ng

RT: 7.024 min Scan# 546

Delta R.T. 0.000 min

Lab File: BN019690.D

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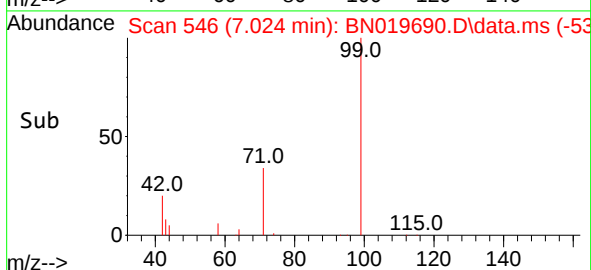
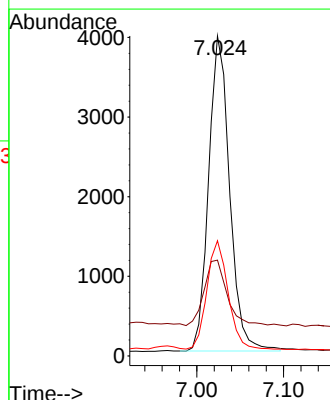
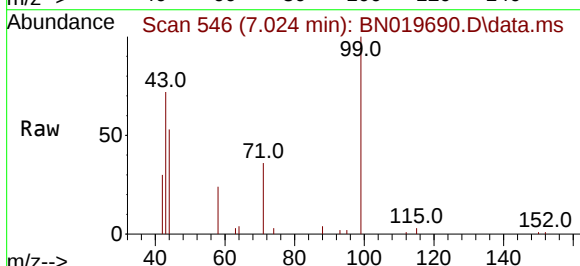
Tgt Ion: 99 Resp: 6681

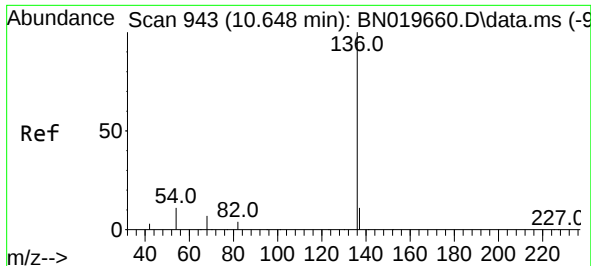
Ion Ratio Lower Upper

99 100

42 22.7 15.8 23.8

71 34.4 26.5 39.7

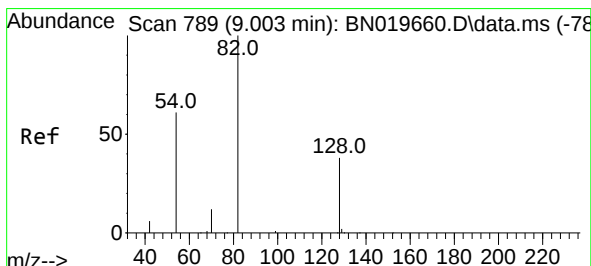
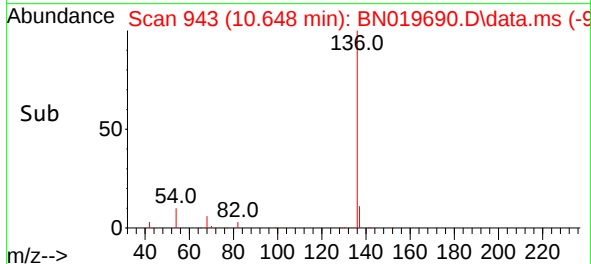
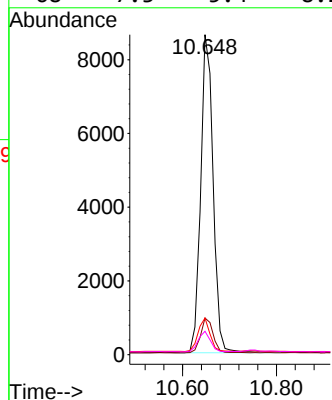
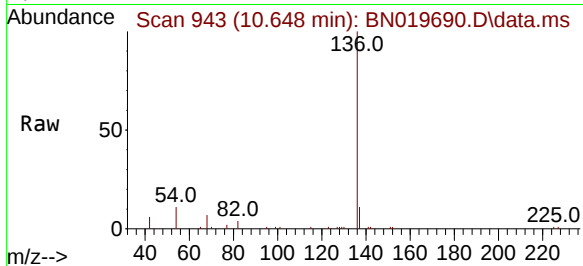




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 943
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

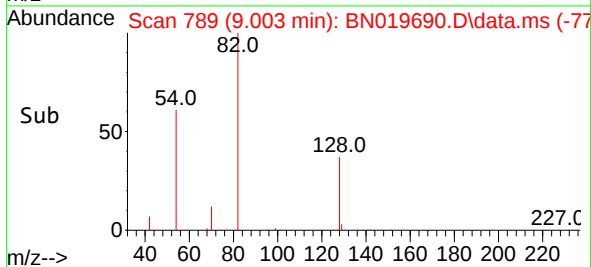
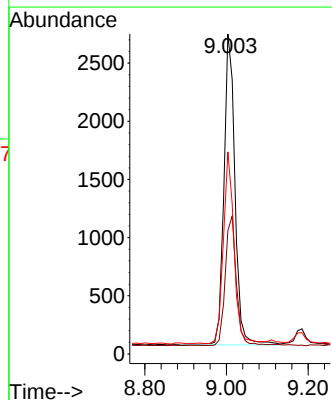
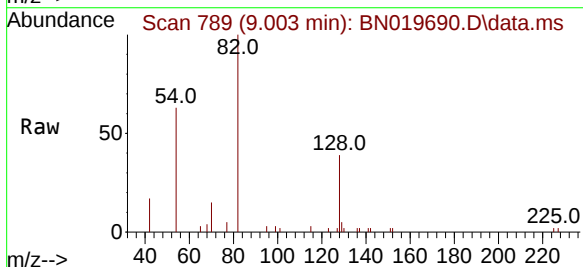
Instrument :
BNA_N
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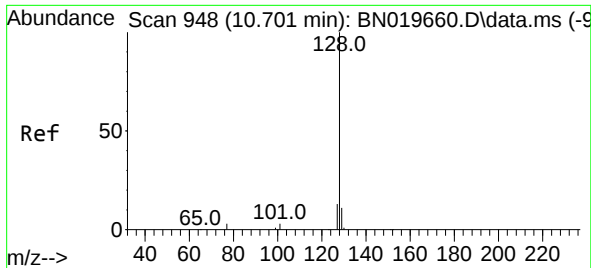
Tgt Ion:	136	Resp:	15868
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	11.4	7.8	11.6
68	7.3	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.390 ng
RT: 9.003 min Scan# 789
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Tgt Ion:	82	Resp:	5019
Ion	Ratio	Lower	Upper
82	100		
128	38.6	32.4	48.6
54	63.1	44.4	66.6

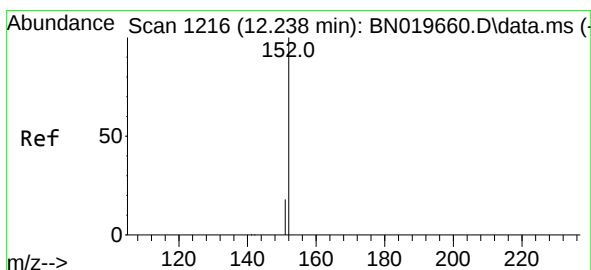
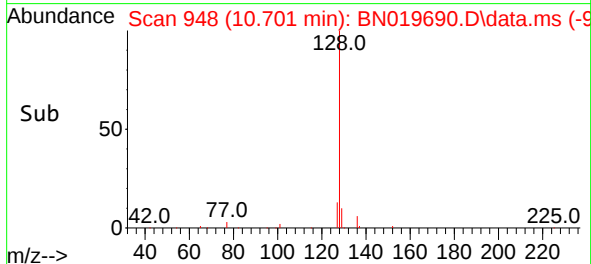
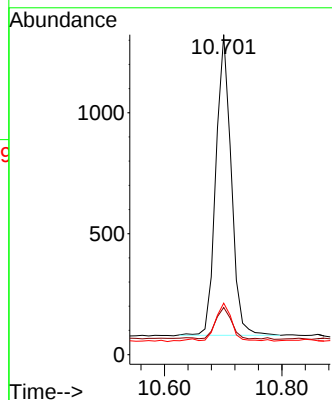
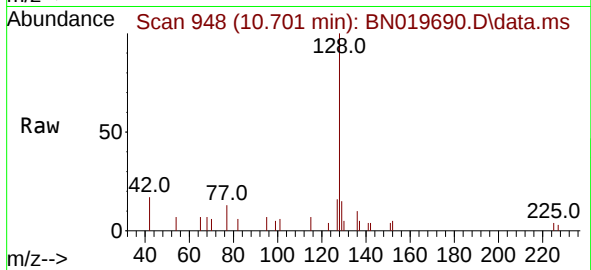




#9
Naphthalene
Concen: 0.049 ng
RT: 10.701 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

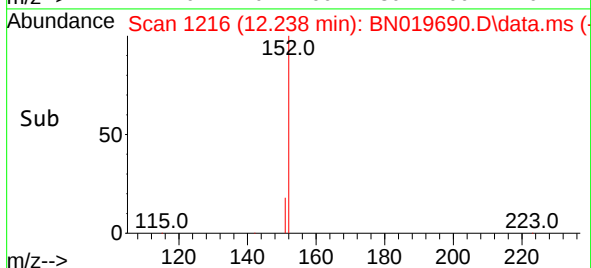
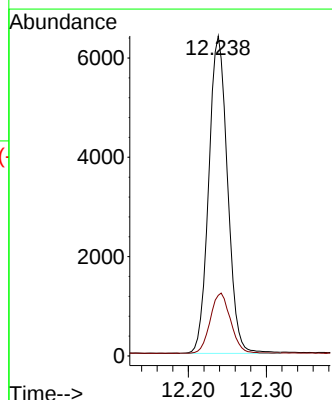
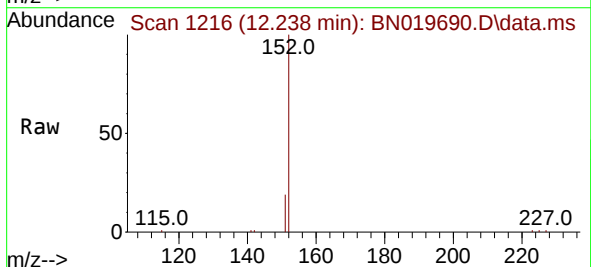
Instrument :
BNA_N
ClientSampleId :
B1-0-2

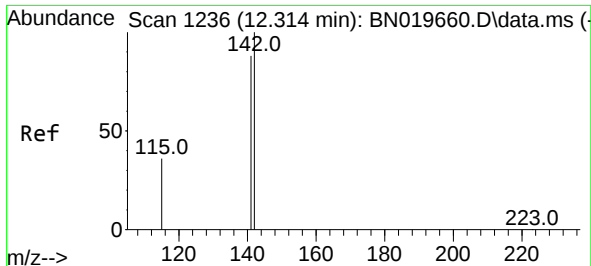
Tgt Ion:128 Resp: 2242
Ion Ratio Lower Upper
128 100
129 14.7 9.0 13.4#
127 16.1 10.8 16.2



#11
2-Methylnaphthalene-d10
Concen: 0.413 ng
RT: 12.238 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Tgt Ion:152 Resp: 10689
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.4

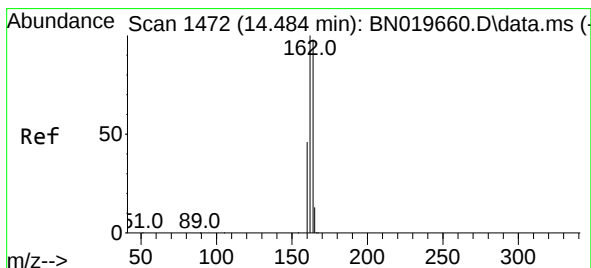
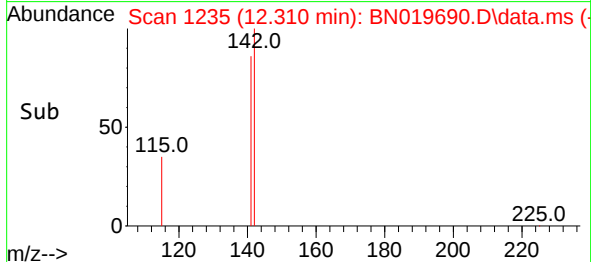
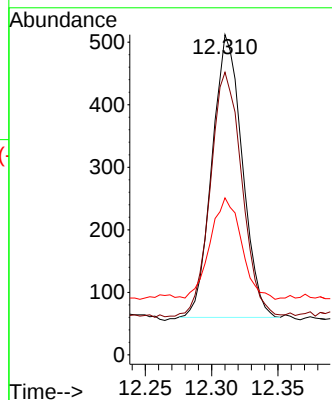
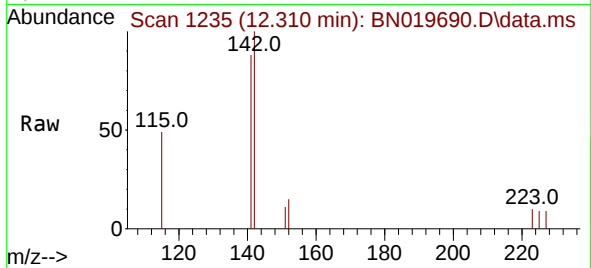




#12
2-Methylnaphthalene
Concen: 0.024 ng
RT: 12.310 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

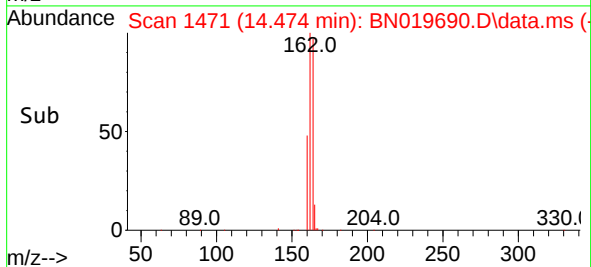
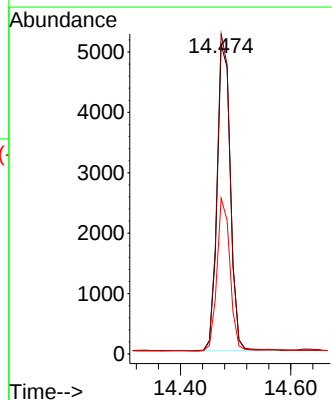
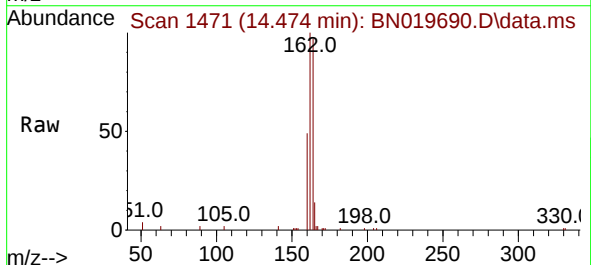
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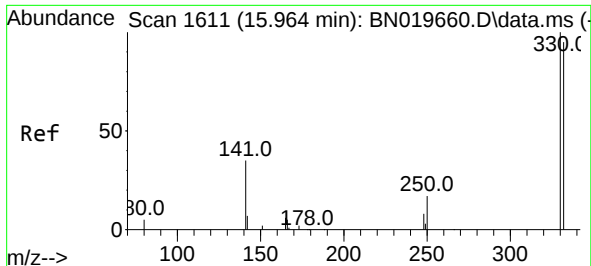
Tgt Ion:142 Resp: 714
Ion Ratio Lower Upper
142 100
141 88.3 71.0 106.6
115 49.0 29.6 44.4#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.474 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Tgt Ion:164 Resp: 8471
Ion Ratio Lower Upper
164 100
162 103.4 81.8 122.6
160 50.3 38.3 57.5

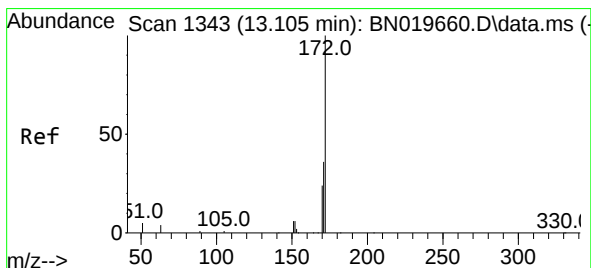
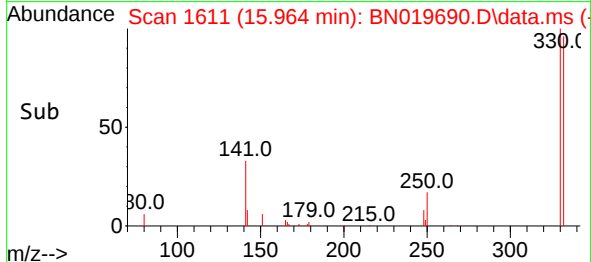
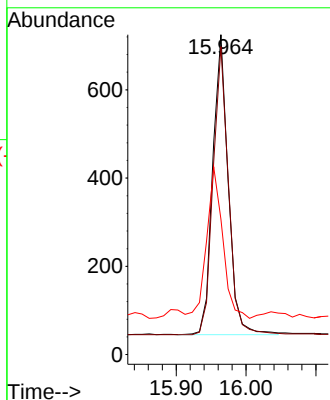
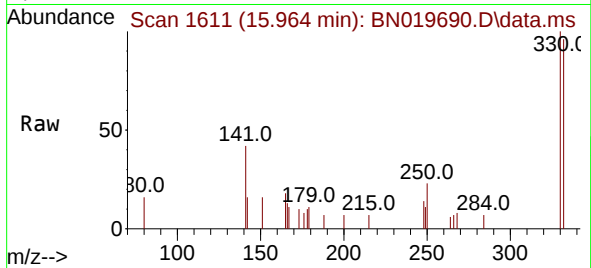




#14
2,4,6-Tribromophenol
Concen: 0.335 ng
RT: 15.964 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

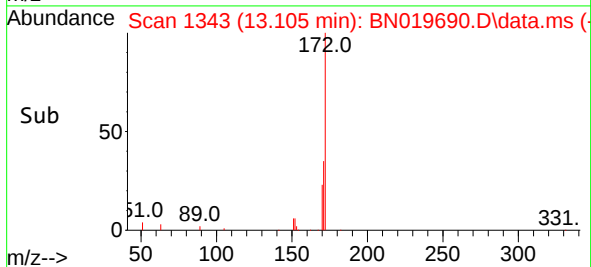
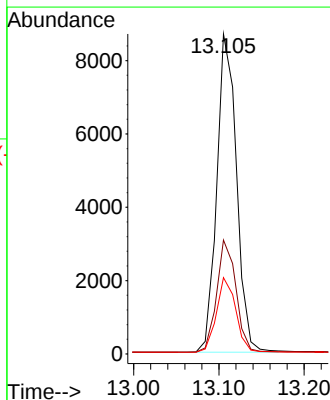
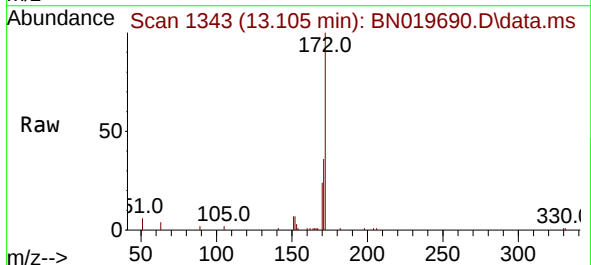
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ClientSampleId :
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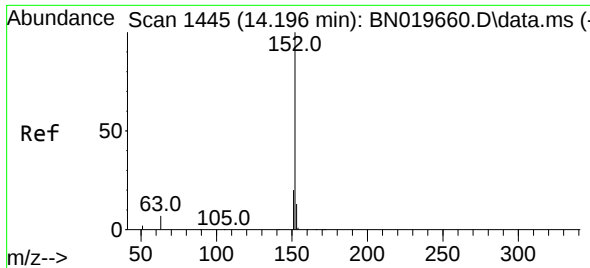
Tgt Ion:330 Resp: 1048
Ion Ratio Lower Upper
330 100
332 95.1 76.2 114.4
141 52.4 39.7 59.5



#15
2-Fluorobiphenyl
Concen: 0.382 ng
RT: 13.105 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Tgt Ion:172 Resp: 13946
Ion Ratio Lower Upper
172 100
171 35.6 28.0 42.0
170 23.9 19.0 28.4

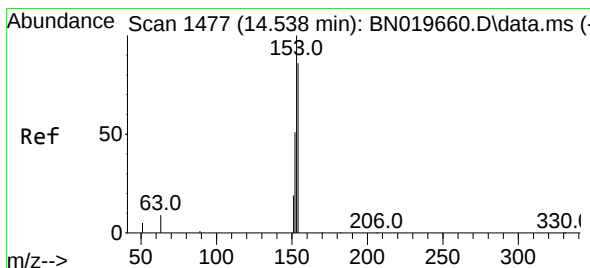
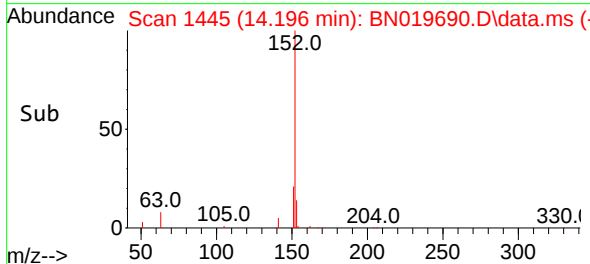
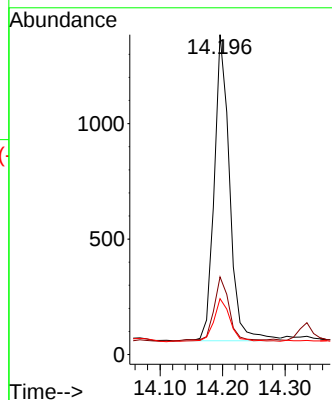
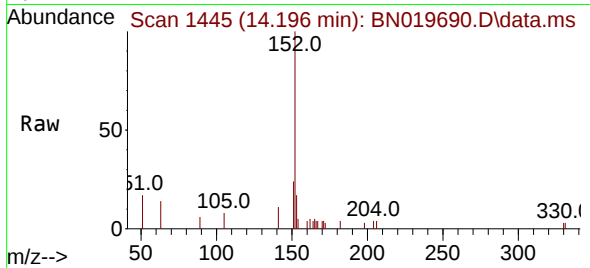




#16
Acenaphthylene
Concen: 0.055 ng
RT: 14.196 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

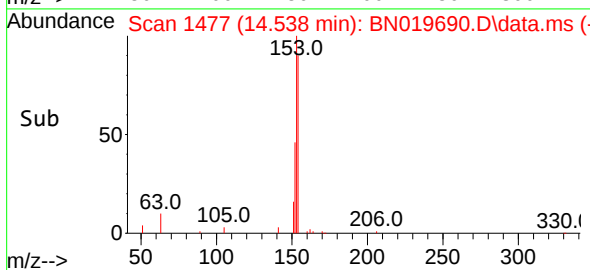
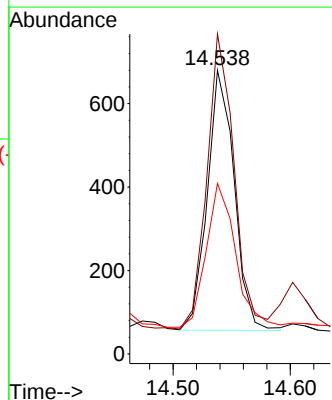
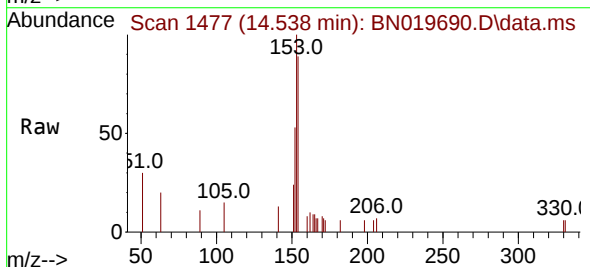
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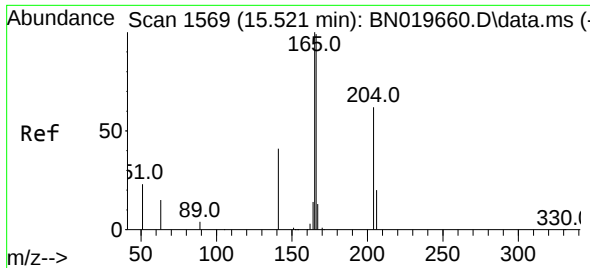
Tgt Ion:	152	Resp:	2266
Ion Ratio	Lower	Upper	
152	100		
151	21.2	16.2	24.4
153	15.4	10.5	15.7



#17
Acenaphthene
Concen: 0.035 ng
RT: 14.538 min Scan# 1477
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Tgt Ion:	154	Resp:	996
Ion Ratio	Lower	Upper	
154	100		
153	112.8	89.3	133.9
152	62.0	44.1	66.1

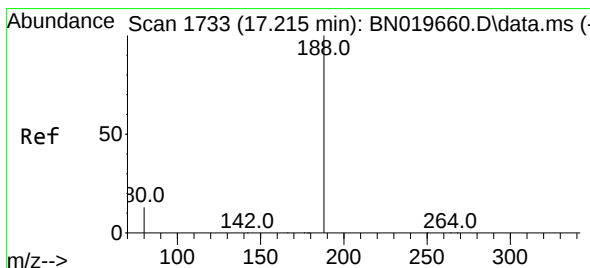
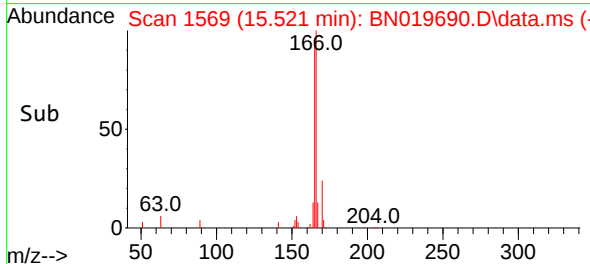
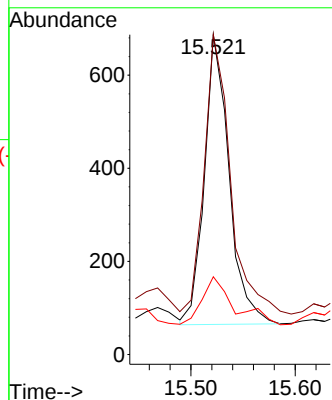
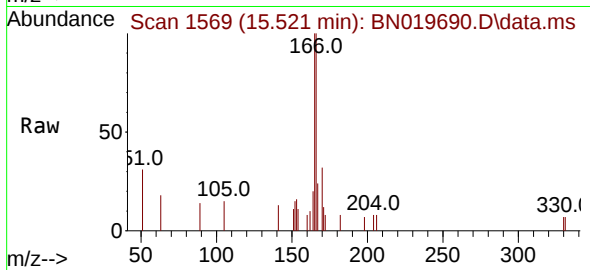




#18
Fluorene
Concen: 0.030 ng
RT: 15.521 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

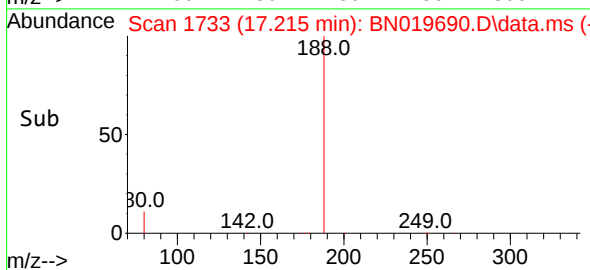
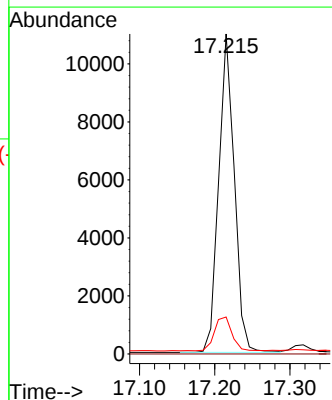
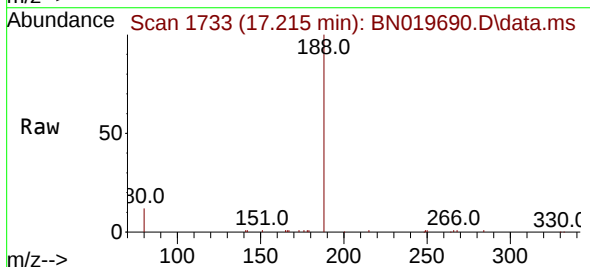
Instrument :
BNA_N
ClientSampleId :
B1-0-2

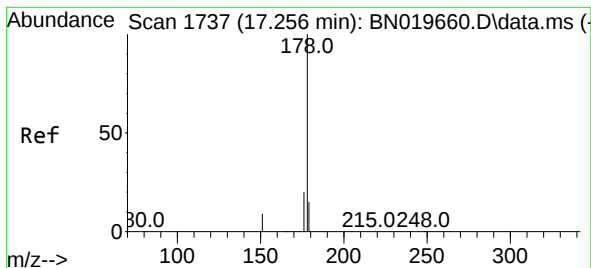
Tgt Ion:166 Resp: 1026
Ion Ratio Lower Upper
166 100
165 101.7 79.1 118.7
167 21.2 10.7 16.1#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.215 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Tgt Ion:188 Resp: 15841
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.5 8.6 12.8





#25

Phenanthrene

Concen: 0.492 ng

RT: 17.256 min Scan# 1737

Delta R.T. 0.000 min

Lab File: BN019690.D

Acq: 05 May 2022 07:51

Instrument :

BNA_N

ClientSampleId :

B1-0-2

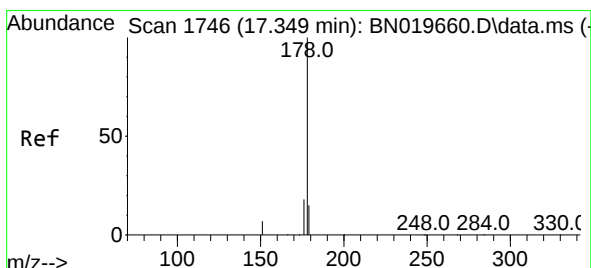
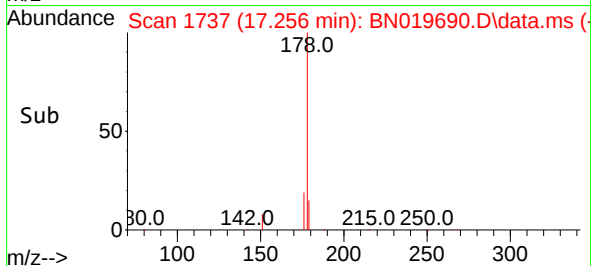
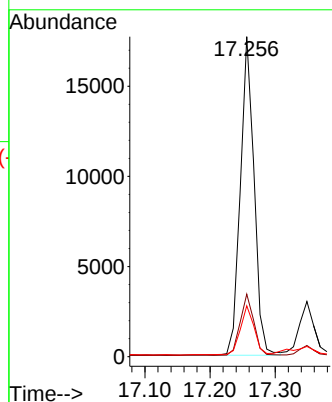
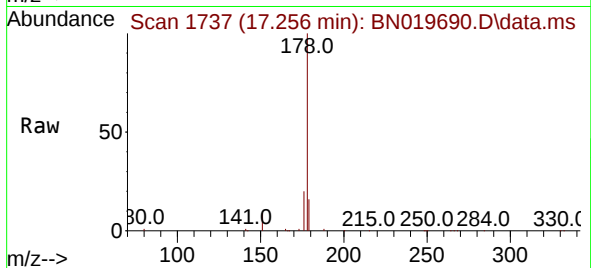
Tgt Ion:178 Resp: 25843

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.9 12.1 18.1



#26

Anthracene

Concen: 0.092 ng

RT: 17.349 min Scan# 1746

Delta R.T. 0.000 min

Lab File: BN019690.D

Acq: 05 May 2022 07:51

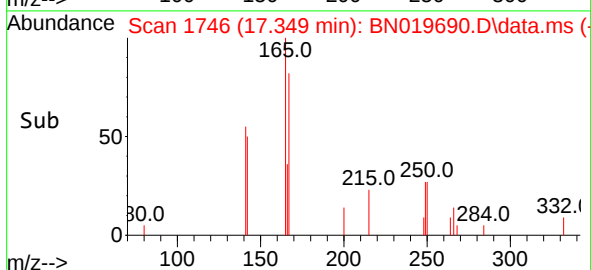
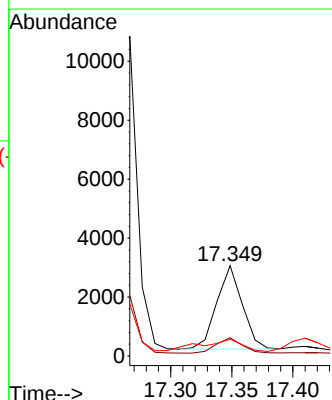
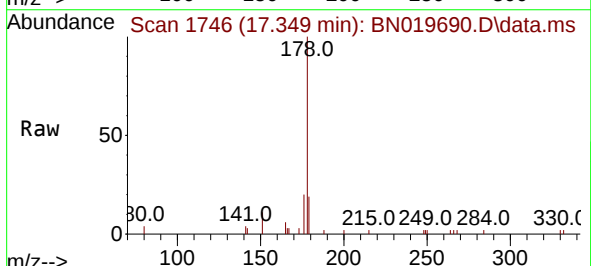
Tgt Ion:178 Resp: 4117

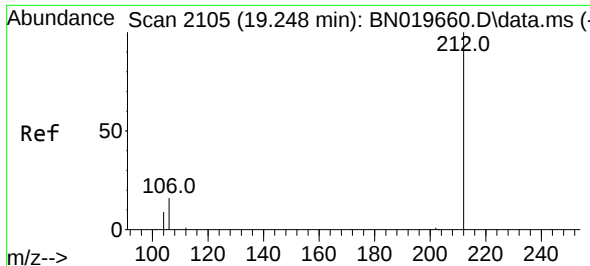
Ion Ratio Lower Upper

178 100

176 18.2 14.3 21.5

179 23.6 12.2 18.4#

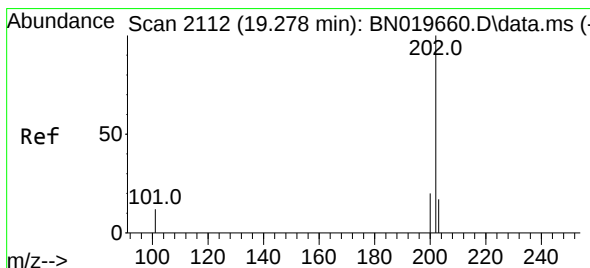
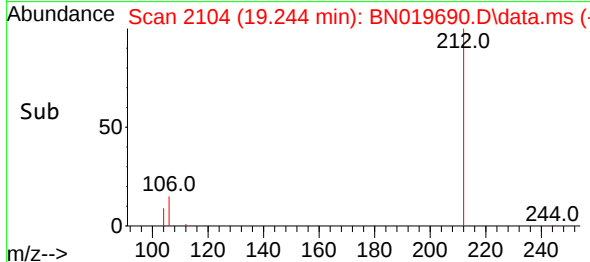
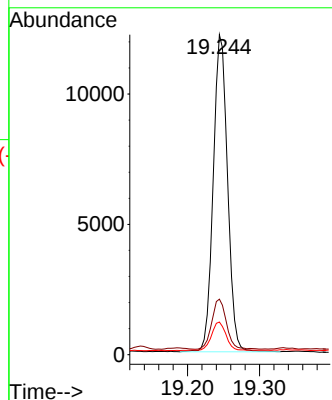
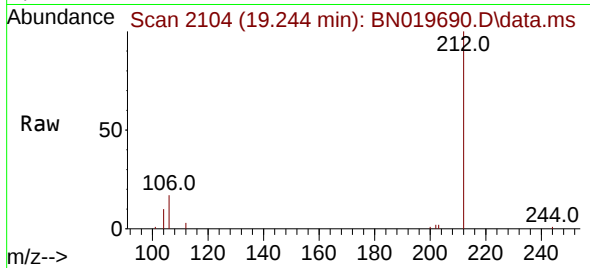




#27
Fluoranthene-d10
Concen: 0.381 ng
RT: 19.244 min Scan# 2105
Delta R.T. -0.004 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

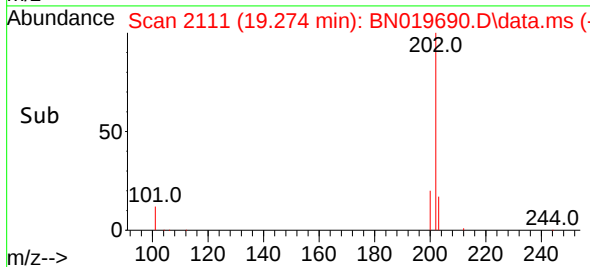
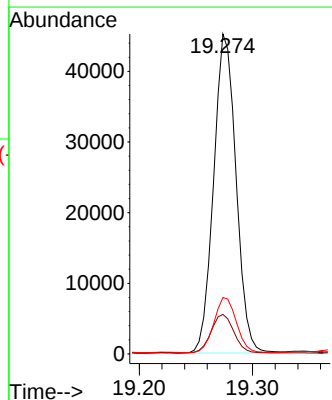
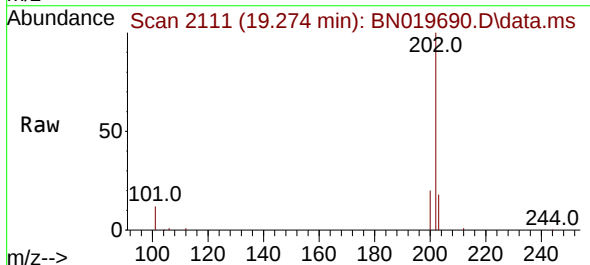
Instrument :
BNA_N
ClientSampleId :
B1-0-2

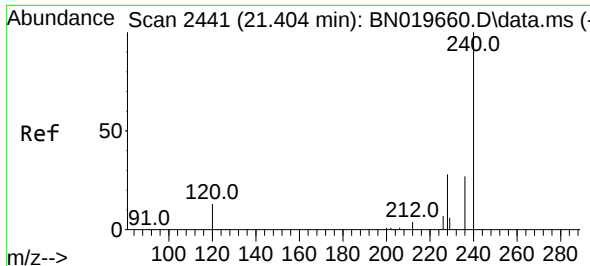
Tgt Ion:212 Resp: 16747
Ion Ratio Lower Upper
212 100
106 16.2 13.5 20.3
104 9.5 7.6 11.4



#28
Fluoranthene
Concen: 1.130 ng
RT: 19.274 min Scan# 2111
Delta R.T. -0.004 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Tgt Ion:202 Resp: 61975
Ion Ratio Lower Upper
202 100
101 12.4 10.6 15.8
203 17.3 13.6 20.4

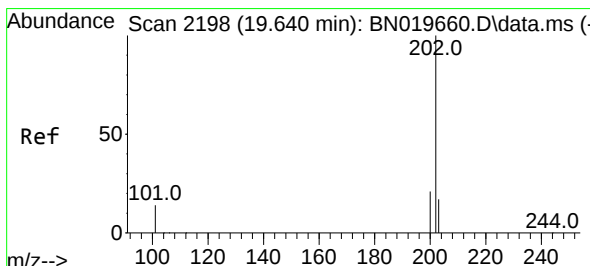
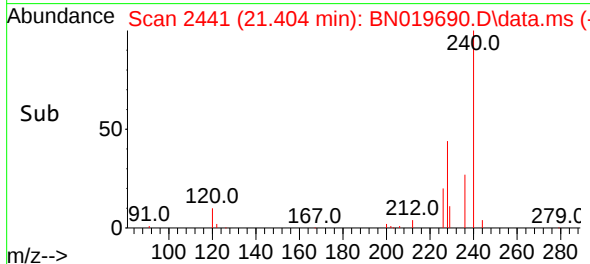
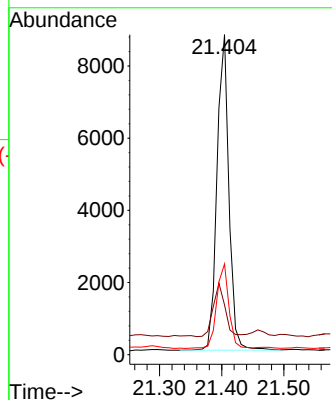
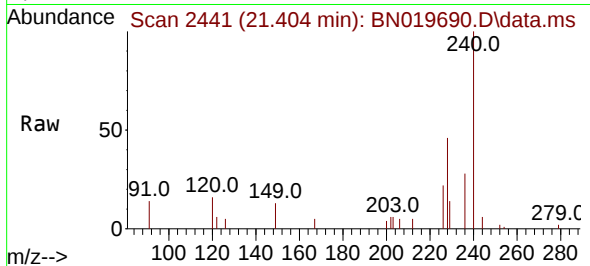




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.404 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

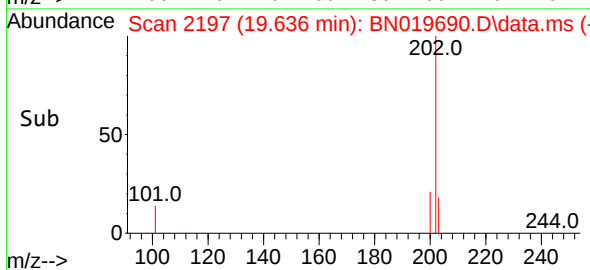
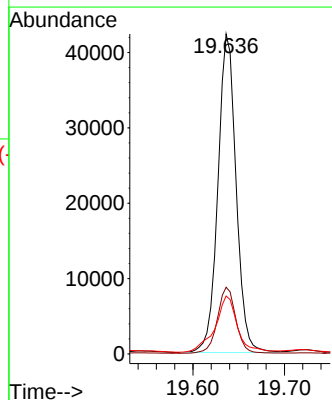
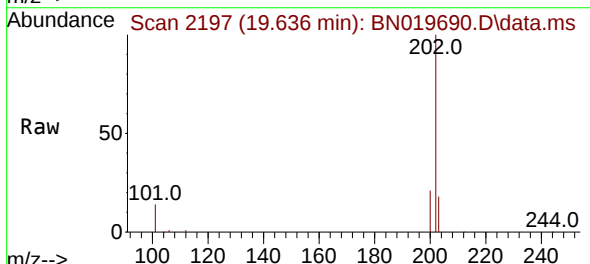
Instrument :
BNA_N
ClientSampleId :
B1-0-2

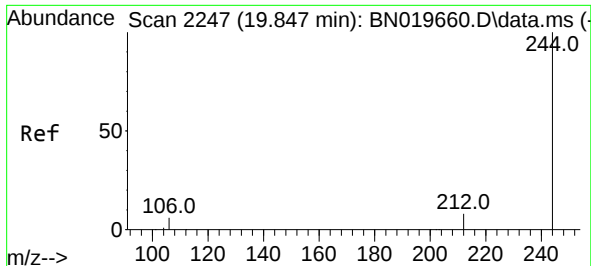
Tgt Ion:240 Resp: 11632
Ion Ratio Lower Upper
240 100
120 15.6 17.4 26.2#
236 28.4 23.0 34.4



#30
Pyrene
Concen: 1.212 ng
RT: 19.636 min Scan# 2197
Delta R.T. -0.004 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Tgt Ion:202 Resp: 58285
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 21.5 14.2 21.4#

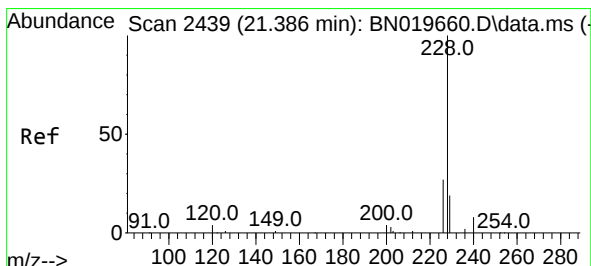
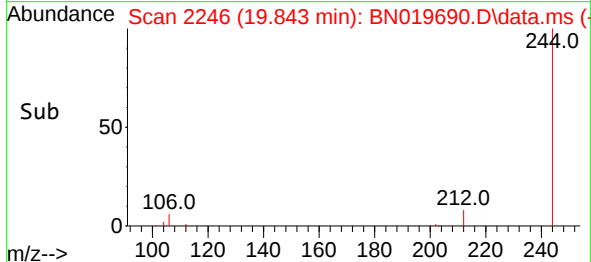
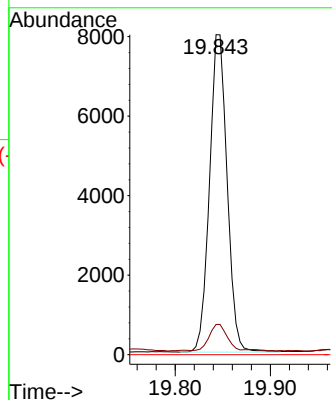
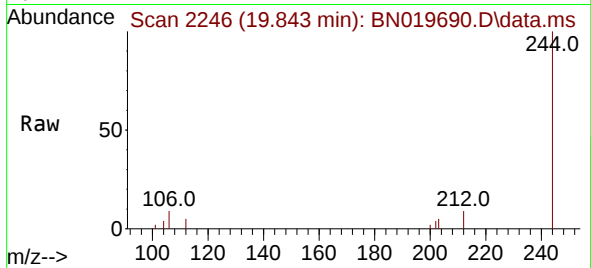




#31
Terphenyl-d14
Concen: 0.377 ng
RT: 19.843 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

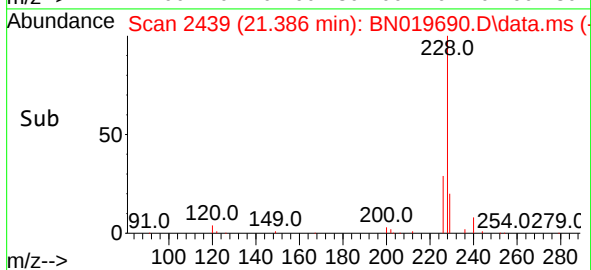
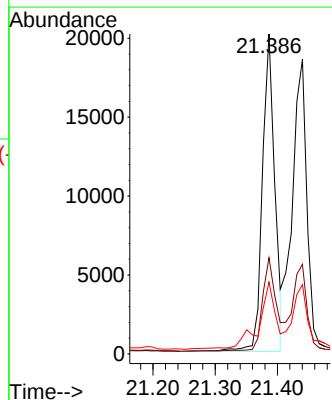
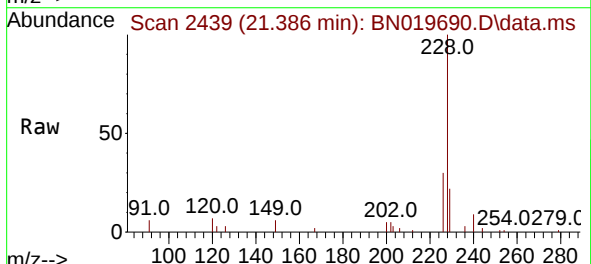
Instrument :
BNA_N
ClientSampleId :
B1-0-2

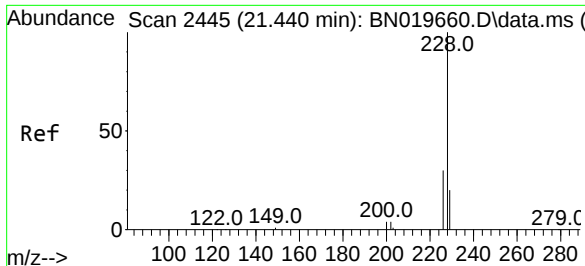
Tgt Ion:244 Resp: 10281
Ion Ratio Lower Upper
244 100
212 9.5 7.6 11.4
122 0.0 0.0 0.0



#32
Benzo(a)anthracene
Concen: 0.679 ng
RT: 21.386 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

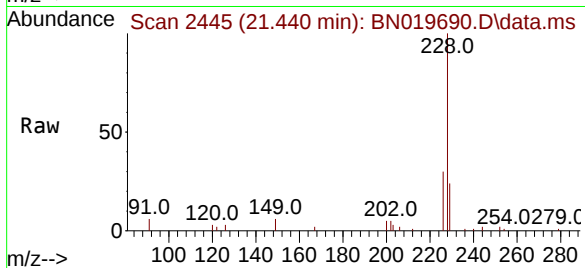
Tgt Ion:228 Resp: 27990
Ion Ratio Lower Upper
228 100
226 30.1 21.6 32.4
229 22.4 16.5 24.7



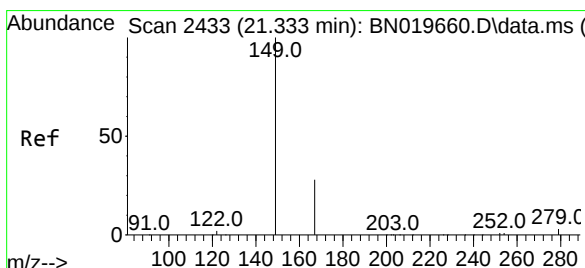
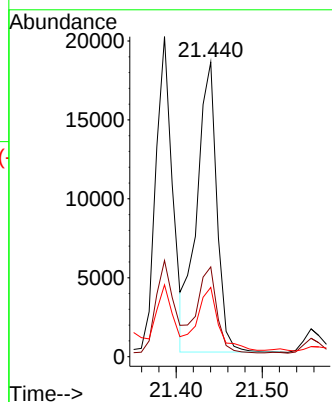
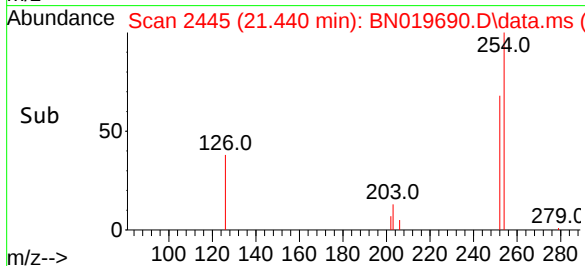


#33
Chrysene
Concen: 0.661 ng
RT: 21.440 min Scan# 2445
Delta R.T. 0.000 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

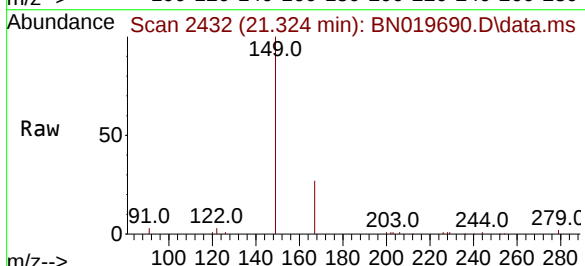
Instrument :
BNA_N
ClientSampleId :
B1-0-2



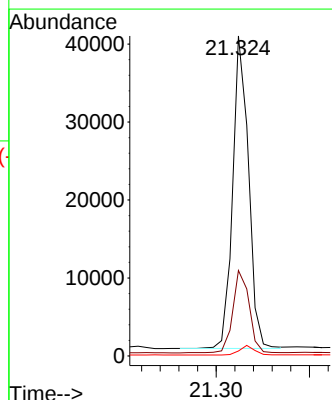
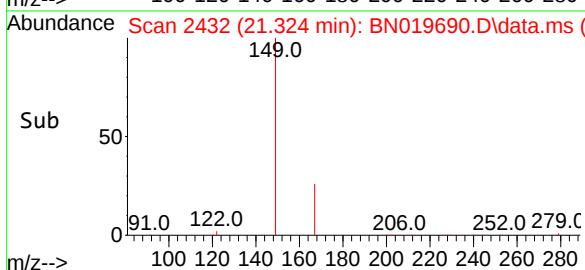
Tgt Ion:228 Resp: 29794
Ion Ratio Lower Upper
228 100
226 30.5 24.6 36.8
229 23.5 15.9 23.9

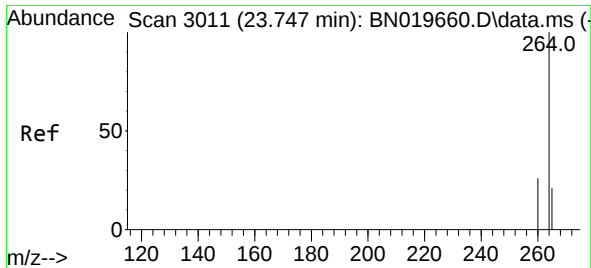


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.161 ng
RT: 21.324 min Scan# 2432
Delta R.T. -0.009 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51



Tgt Ion:149 Resp: 47150
Ion Ratio Lower Upper
149 100
167 27.1 21.7 32.5
279 2.9 2.8 4.2

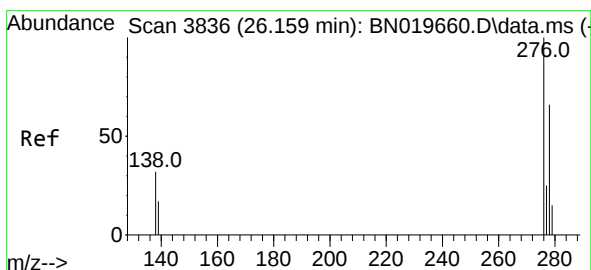
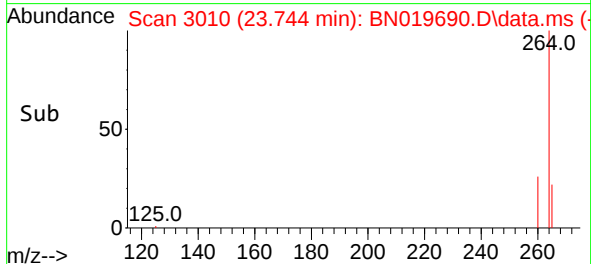
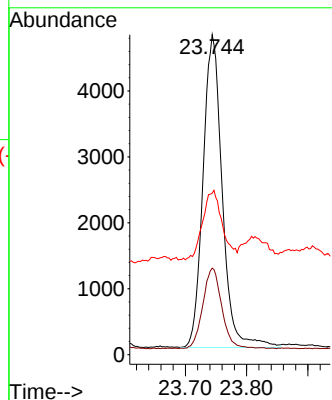
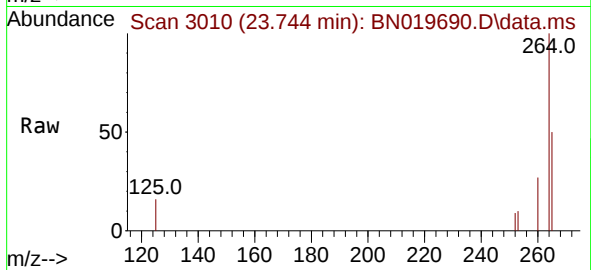




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.744 min Scan# 3011
 Delta R.T. -0.003 min
 Lab File: BN019690.D
 Acq: 05 May 2022 07:51

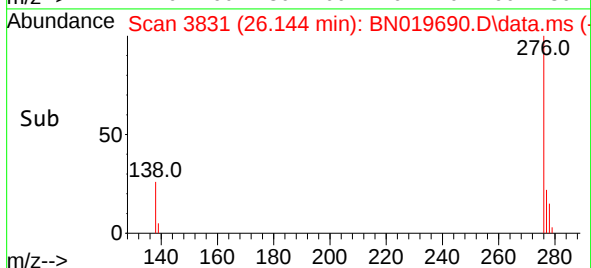
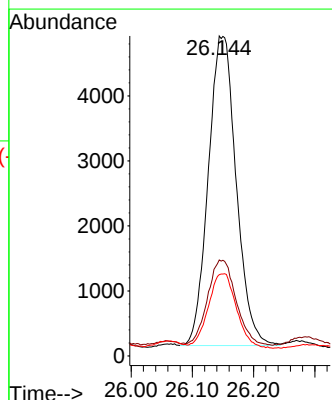
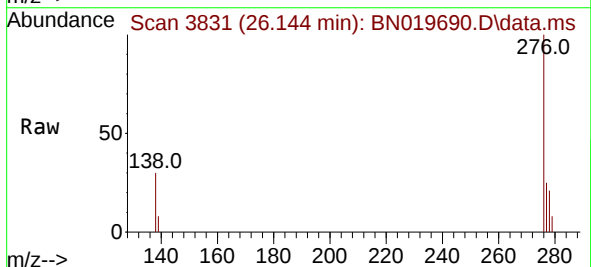
Instrument :
 BNA_N
 ClientSampleId :
 B1-0-2

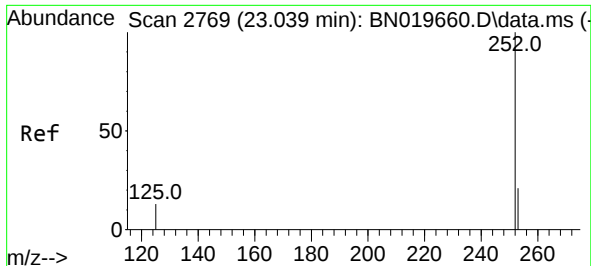
Tgt Ion:264 Resp: 10344
 Ion Ratio Lower Upper
 264 100
 260 27.1 21.0 31.6
 265 50.5 67.9 101.9#



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.321 ng
 RT: 26.144 min Scan# 3831
 Delta R.T. -0.015 min
 Lab File: BN019690.D
 Acq: 05 May 2022 07:51

Tgt Ion:276 Resp: 15076
 Ion Ratio Lower Upper
 276 100
 138 28.0 26.6 40.0
 277 24.5 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 0.792 ng

RT: 23.036 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN019690.D

Acq: 05 May 2022 07:51

Instrument :

BNA_N

ClientSampleId :

B1-0-2

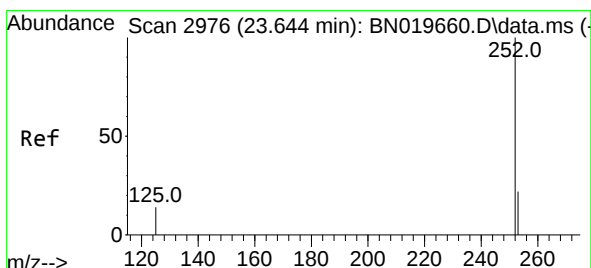
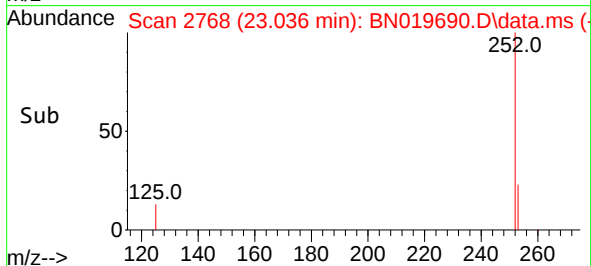
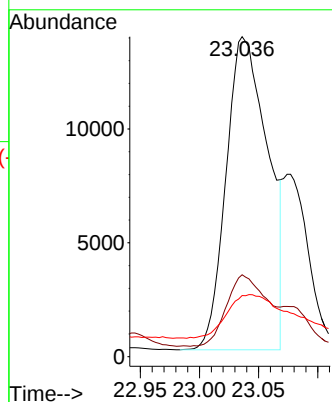
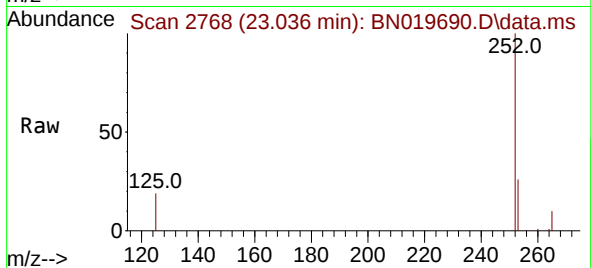
Tgt Ion:252 Resp: 33845

Ion Ratio Lower Upper

252 100

253 25.6 21.2 31.8

125 19.1 15.9 23.9



#39

Benzo(a)pyrene

Concen: 0.520 ng

RT: 23.539 min Scan# 2940

Delta R.T. -0.105 min

Lab File: BN019690.D

Acq: 05 May 2022 07:51

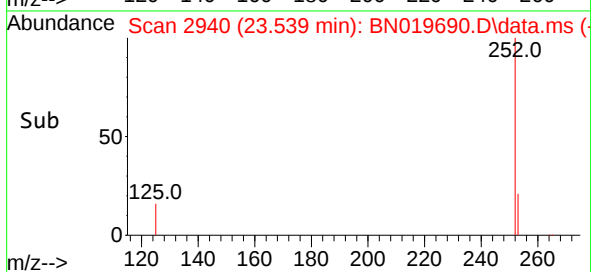
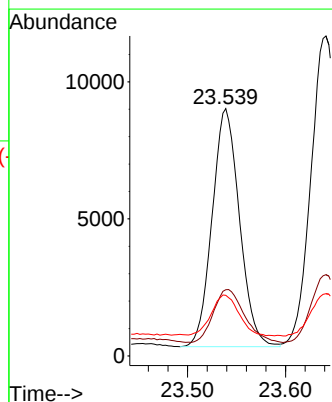
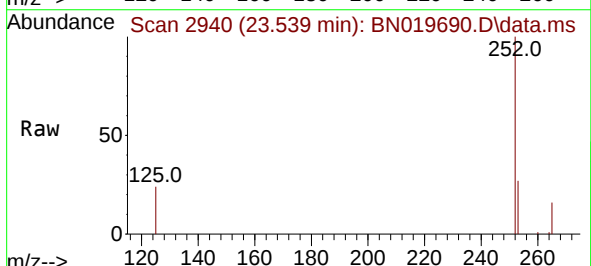
Tgt Ion:252 Resp: 16849

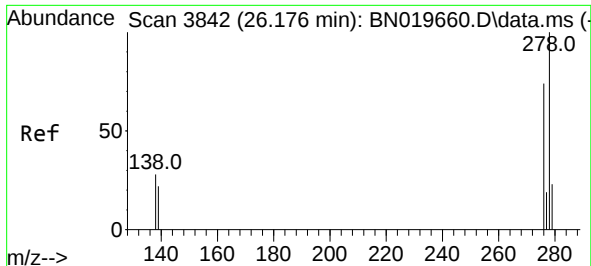
Ion Ratio Lower Upper

252 100

253 26.8 23.1 34.7

125 24.5 20.4 30.6

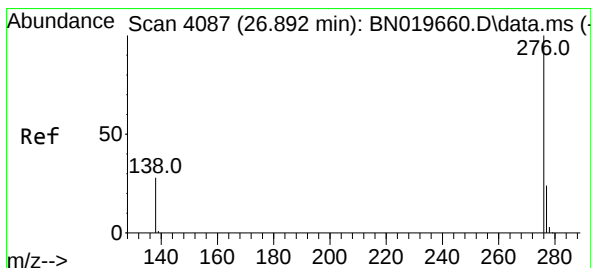
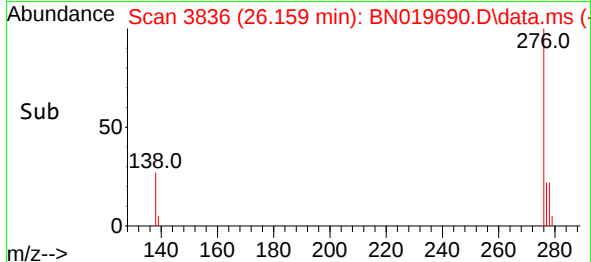
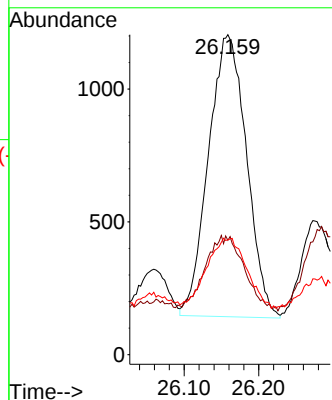
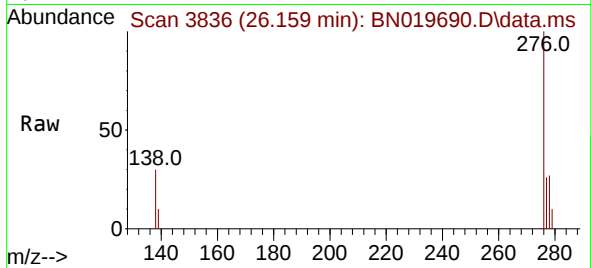




#40
Dibenzo(a,h)anthracene
Concen: 0.098 ng
RT: 26.159 min Scan# 3842
Delta R.T. -0.018 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Instrument :
BNA_N
ClientSampleId :
B1-0-2

Tgt Ion:278 Resp: 3766
Ion Ratio Lower Upper
278 100
139 35.8 19.4 29.2#
279 35.9 21.8 32.8#



#41
Benzo(g,h,i)perylene
Concen: 0.404 ng
RT: 26.881 min Scan# 4083
Delta R.T. -0.012 min
Lab File: BN019690.D
Acq: 05 May 2022 07:51

Tgt Ion:276 Resp: 15309
Ion Ratio Lower Upper
276 100
277 24.4 20.2 30.2
138 29.7 23.5 35.3

