

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050422\
 Data File : BN019691.D
 Acq On : 05 May 2022 08:27
 Operator : CG/JU
 Sample : N2680-07
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 B4-0-2

Quant Time: May 05 08:56:30 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)

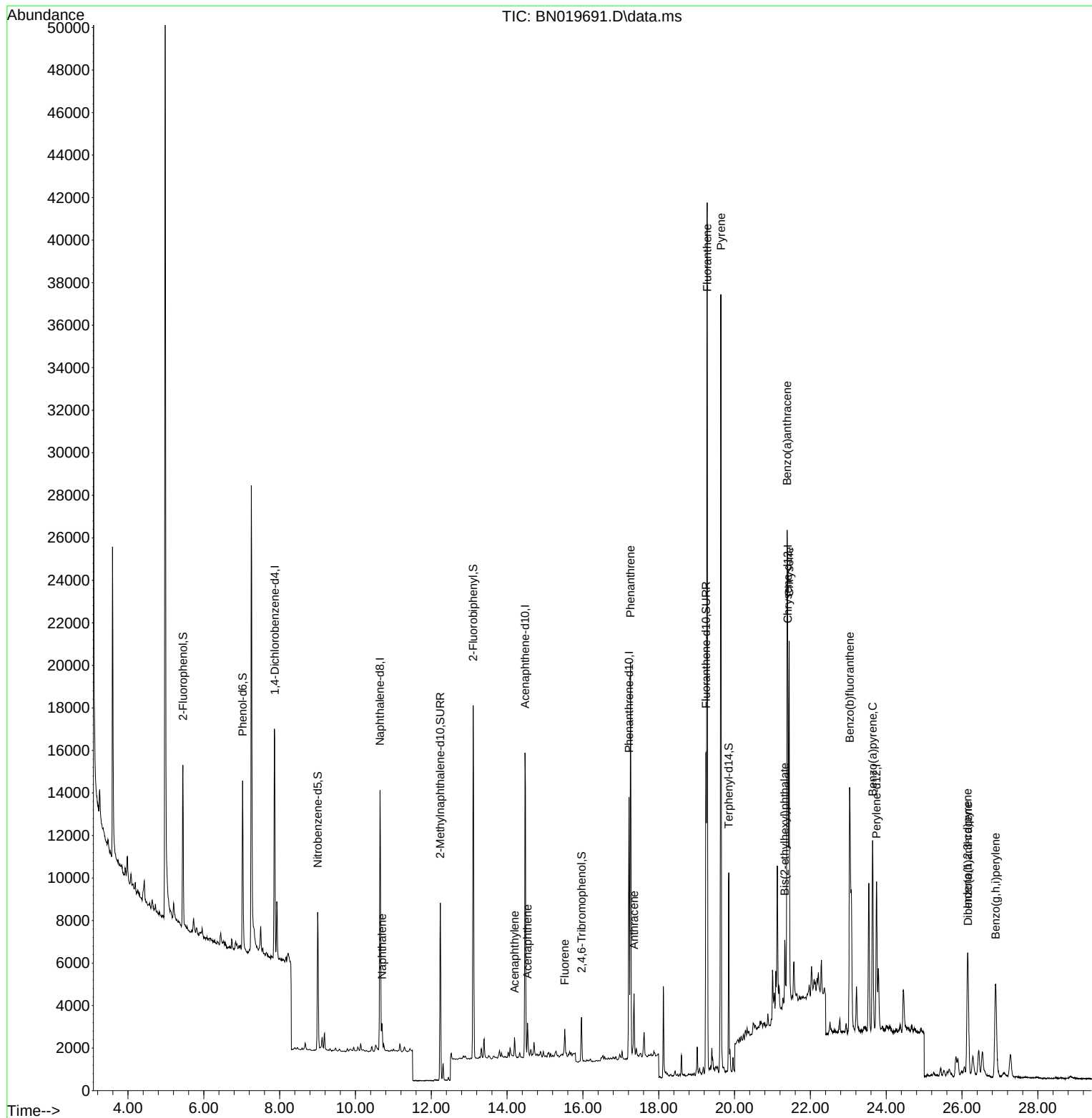
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	5569	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	16581	0.400	ng	0.00
13) Acenaphthene-d10	14.474	164	8827	0.400	ng	-0.01
19) Phenanthrene-d10	17.215	188	16278	0.400	ng	0.00
29) Chrysene-d12	21.405	240	11328	0.400	ng	# 0.00
35) Perylene-d12	23.747	264	10034	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.449	112	6209	0.478	ng	0.00
5) Phenol-d6	7.024	99	7403	0.465	ng	0.00
8) Nitrobenzene-d5	9.003	82	5488	0.408	ng	0.00
11) 2-Methylnaphthalene-d10	12.238	152	11584	0.429	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	1145	0.351	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	15148	0.398	ng	0.00
27) Fluoranthene-d10	19.249	212	17126	0.379	ng	0.00
31) Terphenyl-d14	19.847	244	10189	0.384	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.701	128	1474	0.031	ng	# 85
16) Acenaphthylene	14.196	152	1030	0.024	ng	97
17) Acenaphthene	14.538	154	759	0.026	ng	93
18) Fluorene	15.522	166	841	0.023	ng	# 93
25) Phenanthrene	17.256	178	19328	0.358	ng	99
26) Anthracene	17.349	178	2944	0.064	ng	# 91
28) Fluoranthene	19.278	202	37892	0.672	ng	99
30) Pyrene	19.641	202	34118	0.729	ng	96
32) Benzo(a)anthracene	21.387	228	15530	0.387	ng	98
33) Chrysene	21.440	228	16247	0.370	ng	97
34) Bis(2-ethylhexyl)phtha...	21.324	149	3050	0.144	ng	99
36) Indeno(1,2,3-cd)pyrene	26.150	276	9555	0.210	ng	95
37) Benzo(b)fluoranthene	23.036	252	19708	0.475	ng	99
39) Benzo(a)pyrene	23.641	252	13645	0.434	ng	94
40) Dibenzo(a,h)anthracene	26.162	278	2336	0.063	ng	# 70
41) Benzo(g,h,i)perylene	26.890	276	10087	0.274	ng	98

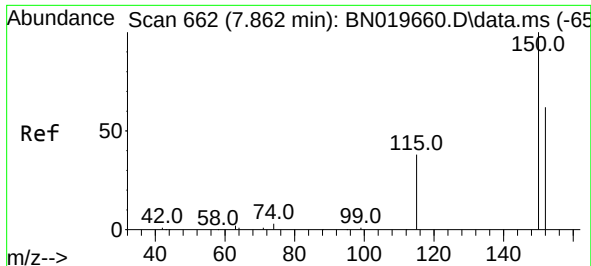
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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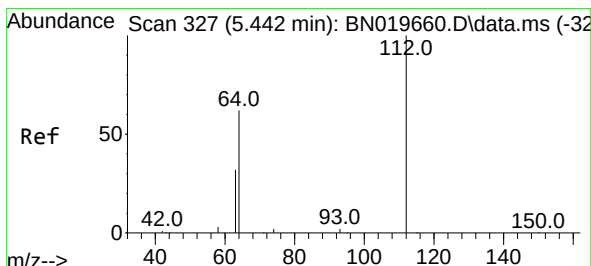
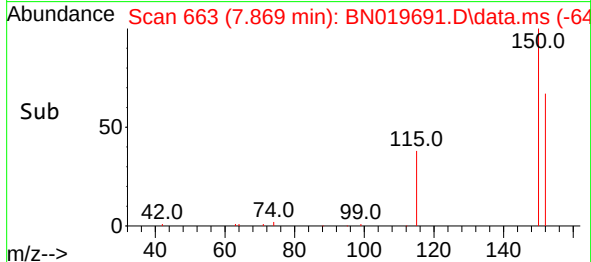
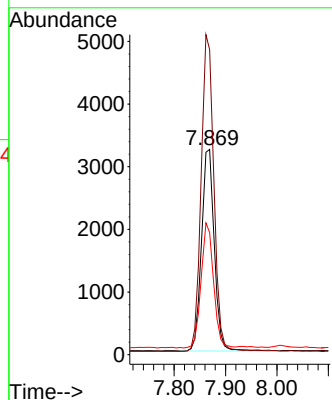
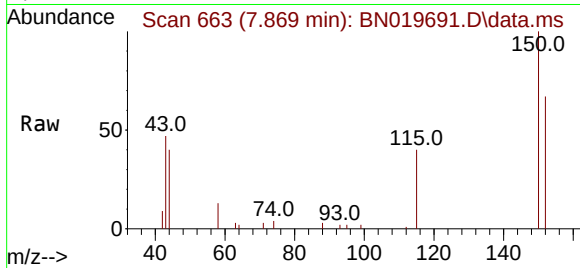




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.869 min Scan# 662
 Delta R.T. 0.007 min
 Lab File: BN019691.D
 Acq: 05 May 2022 08:27

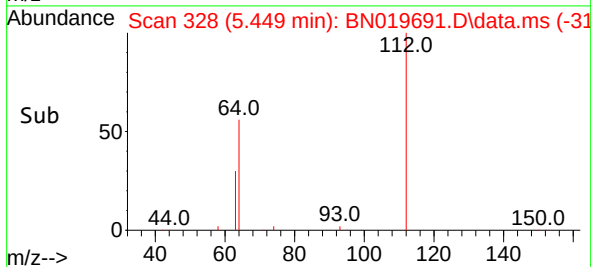
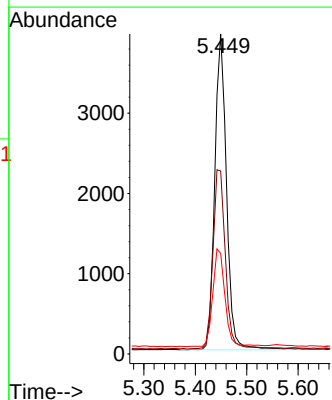
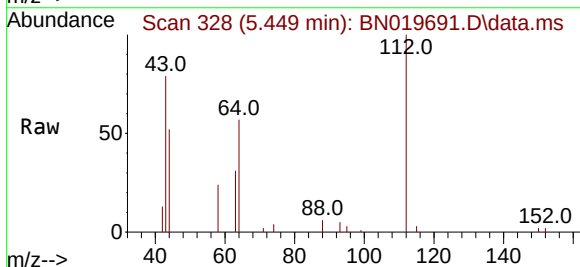
Instrument :
 BNA_N
 ClientSampleId :
 B4-0-2

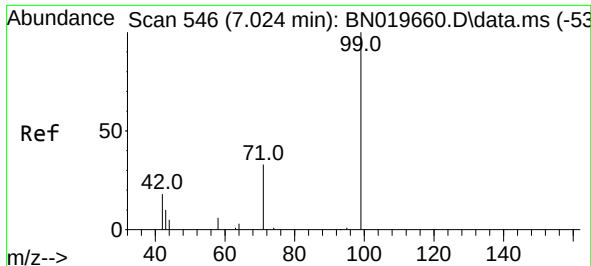
Tgt Ion:152 Resp: 5569
 Ion Ratio Lower Upper
 152 100
 150 148.6 122.6 183.8
 115 59.6 49.0 73.6



#4
 2-Fluorophenol
 Concen: 0.478 ng
 RT: 5.449 min Scan# 328
 Delta R.T. 0.007 min
 Lab File: BN019691.D
 Acq: 05 May 2022 08:27

Tgt Ion:112 Resp: 6209
 Ion Ratio Lower Upper
 112 100
 64 60.9 47.3 70.9
 63 31.7 24.6 36.8

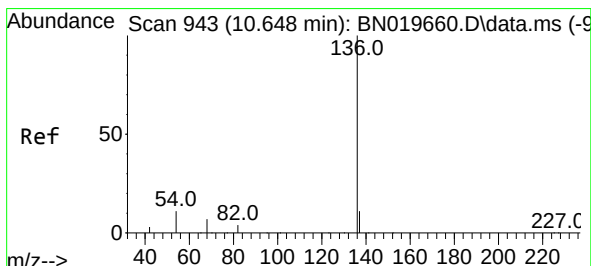
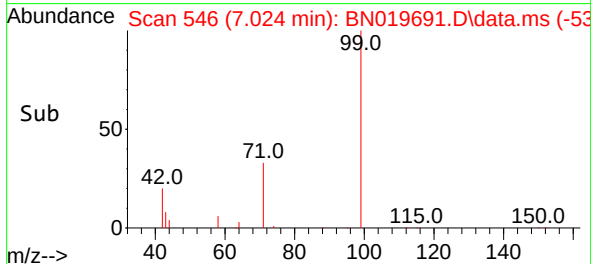
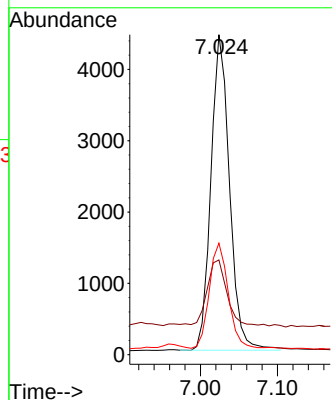
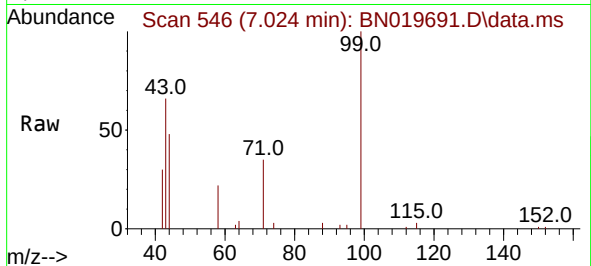




#5
Phenol-d6
Concen: 0.465 ng
RT: 7.024 min Scan# 546
Delta R.T. 0.000 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

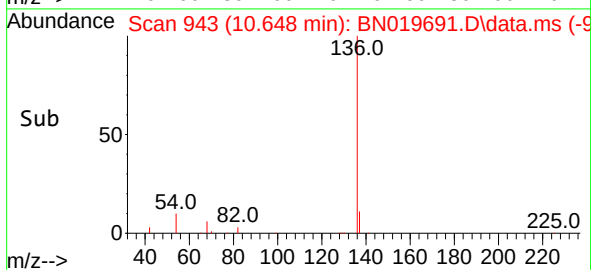
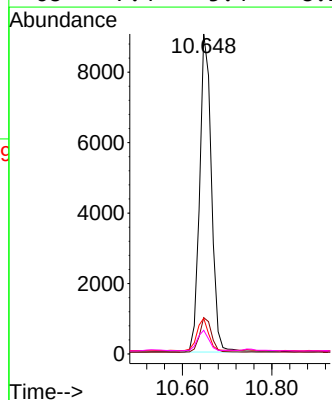
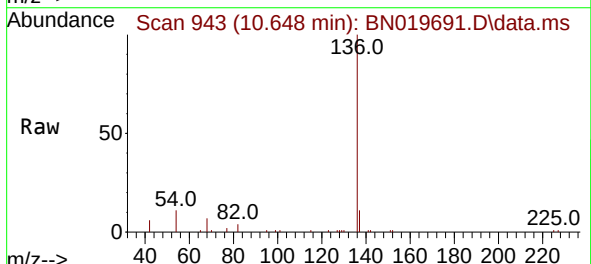
Instrument :
BNA_N
ClientSampleId :
B4-0-2

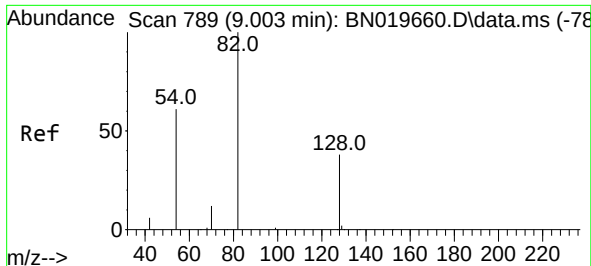
Tgt Ion:	99	Resp:	7403
Ion	Ratio	Lower	Upper
99	100		
42	21.4	15.8	23.8
71	34.0	26.5	39.7



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 943
Delta R.T. 0.000 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

Tgt Ion:	136	Resp:	16581
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	11.2	7.8	11.6
68	7.4	5.4	8.2

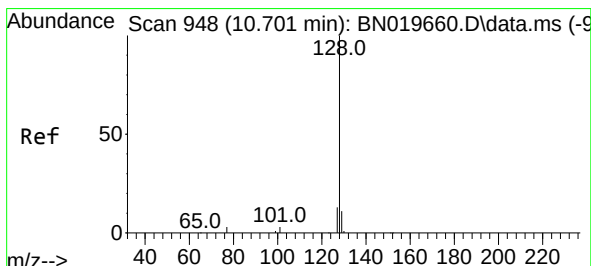
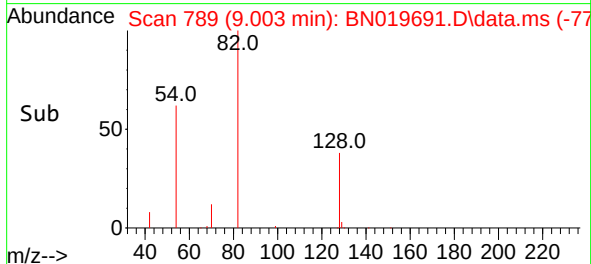
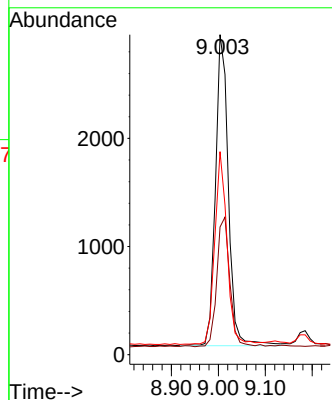
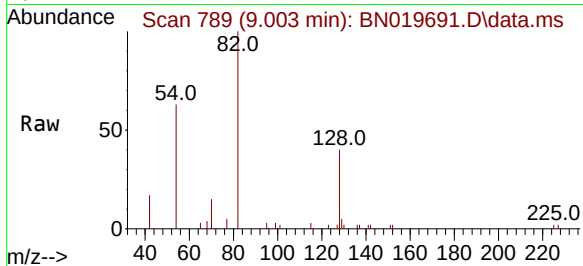




#8
Nitrobenzene-d5
Concen: 0.408 ng
RT: 9.003 min Scan# 789
Delta R.T. 0.000 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

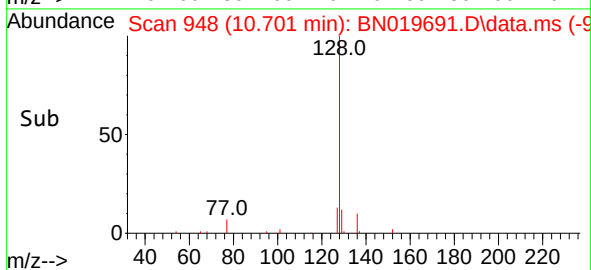
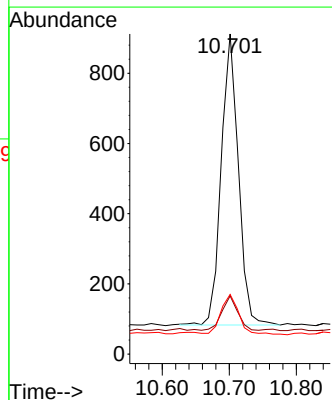
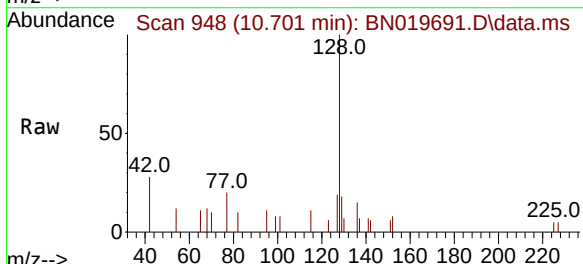
Instrument :
BNA_N
ClientSampleId :
B4-0-2

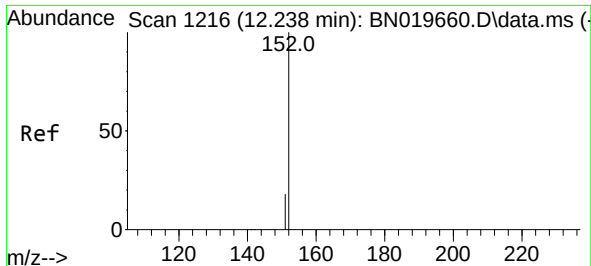
Tgt Ion: 82 Resp: 5488
Ion Ratio Lower Upper
82 100
128 39.9 32.4 48.6
54 63.5 44.4 66.6



#9
Naphthalene
Concen: 0.031 ng
RT: 10.701 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

Tgt Ion: 128 Resp: 1474
Ion Ratio Lower Upper
128 100
129 18.2 9.0 13.4#
127 18.6 10.8 16.2#

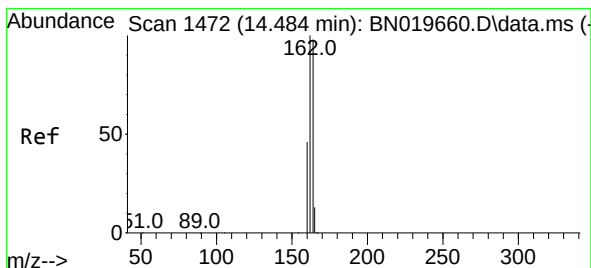
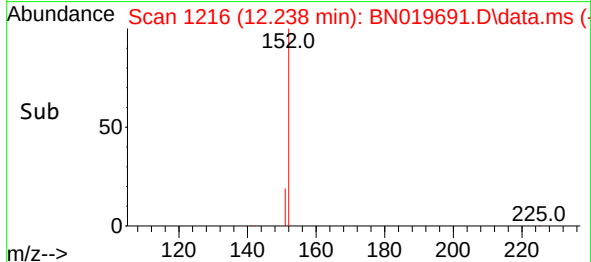
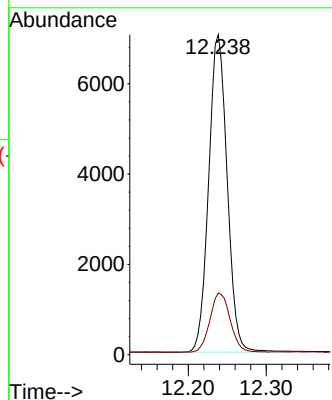
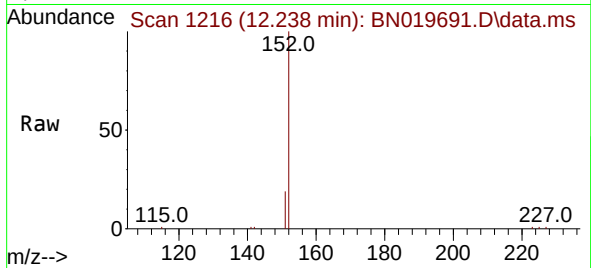




#11
2-Methylnaphthalene-d10
Concen: 0.429 ng
RT: 12.238 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

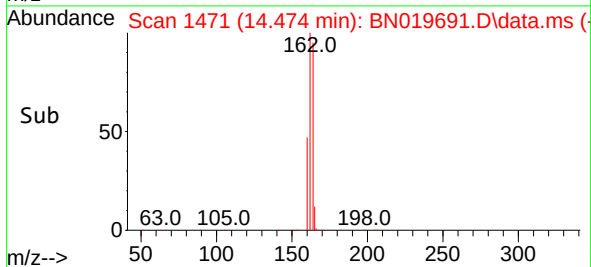
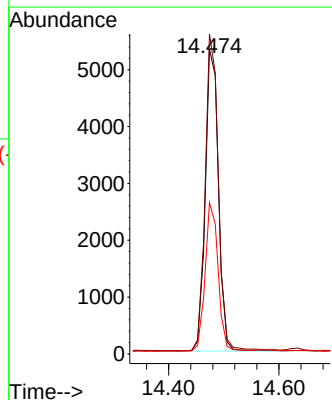
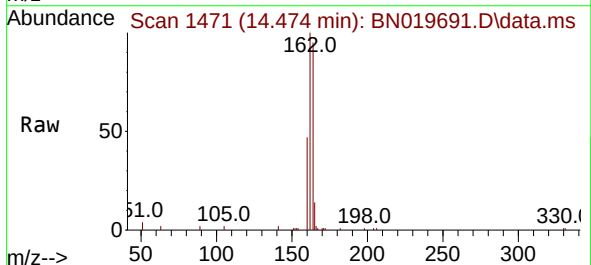
Instrument :
BNA_N
ClientSampleId :
B4-0-2

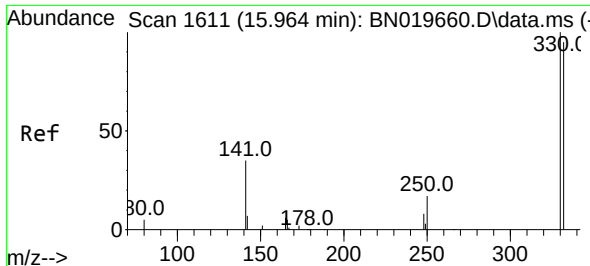
Tgt Ion:152 Resp: 11584
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.4



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.474 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

Tgt Ion:164 Resp: 8827
Ion Ratio Lower Upper
164 100
162 105.0 81.8 122.6
160 49.7 38.3 57.5

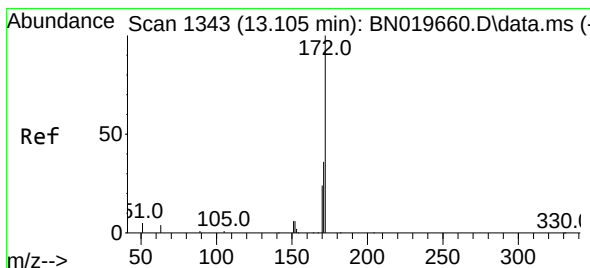
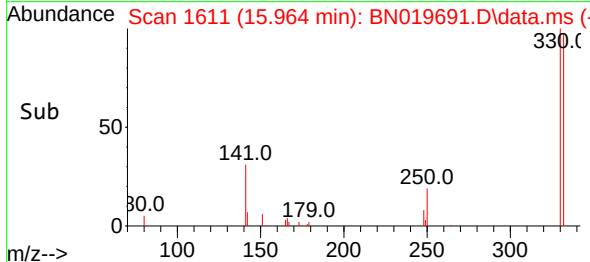
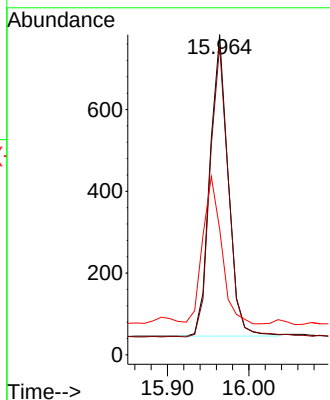
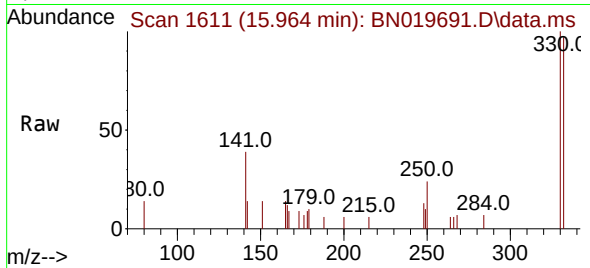




#14
2,4,6-Tribromophenol
Concen: 0.351 ng
RT: 15.964 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

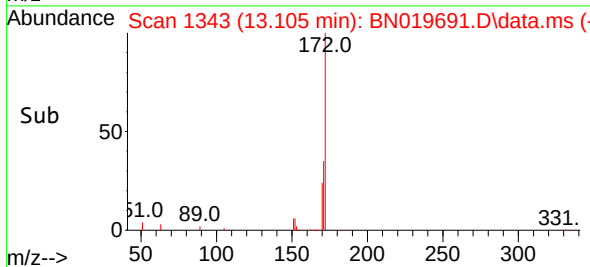
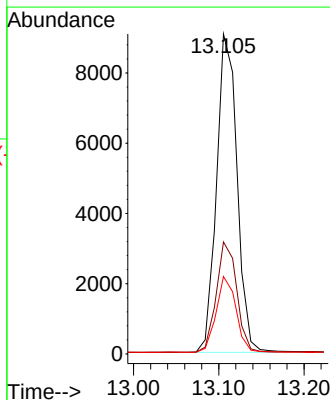
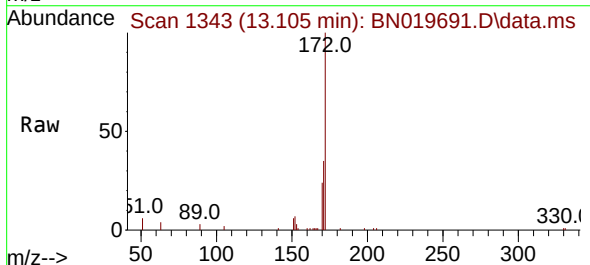
Instrument :
BNA_N
ClientSampleId :
B4-0-2

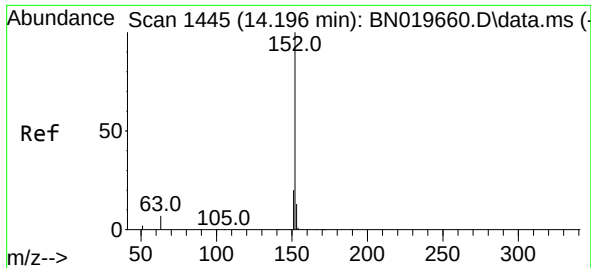
Tgt Ion:	330	Resp:	1145
Ion Ratio	Lower	Upper	
330	100		
332	98.6	76.2	114.4
141	50.5	39.7	59.5



#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 13.105 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

Tgt Ion:	172	Resp:	15148
Ion Ratio	Lower	Upper	
172	100		
171	35.0	28.0	42.0
170	24.2	19.0	28.4

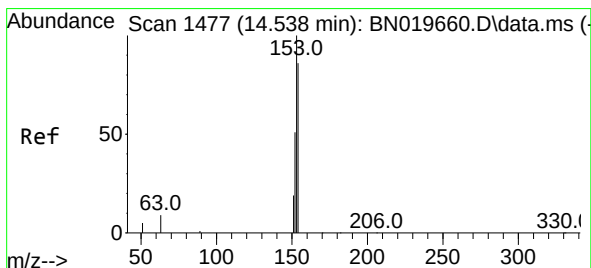
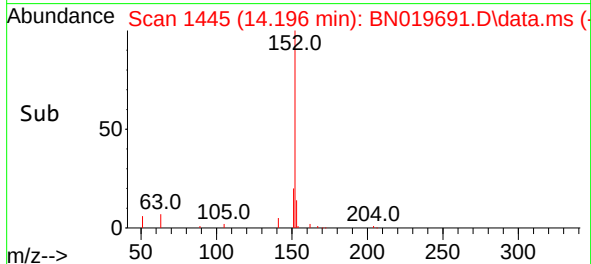
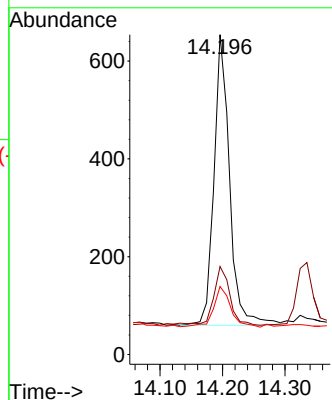
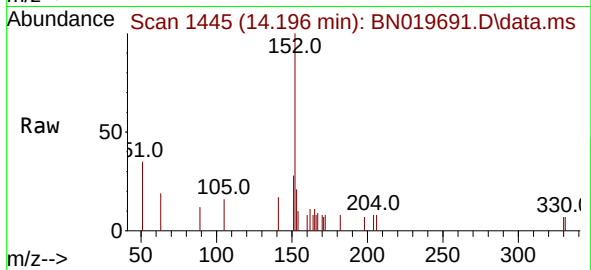




#16
Acenaphthylene
Concen: 0.024 ng
RT: 14.196 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

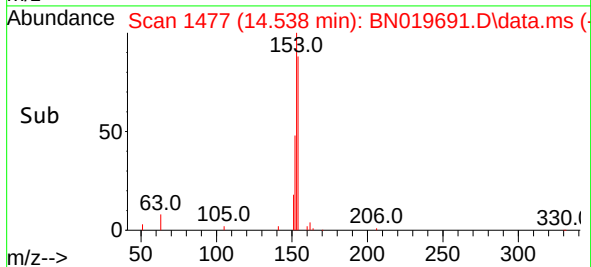
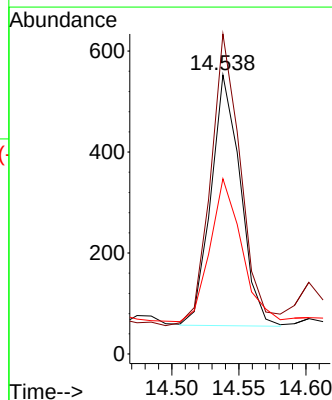
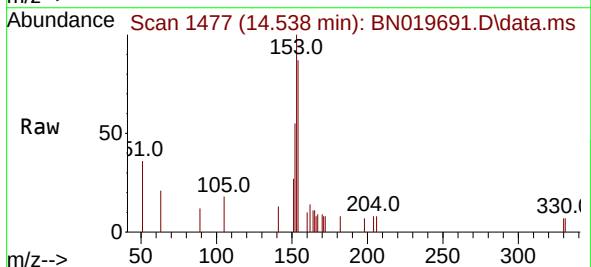
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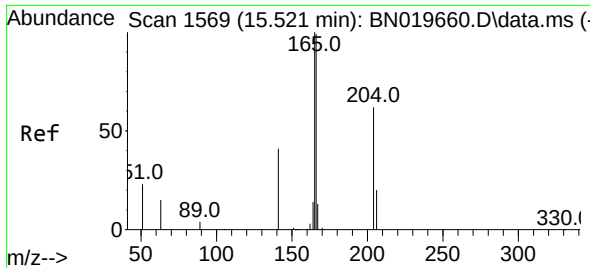
Tgt Ion:152 Resp: 1030
Ion Ratio Lower Upper
152 100
151 21.0 16.2 24.4
153 15.3 10.5 15.7



#17
Acenaphthene
Concen: 0.026 ng
RT: 14.538 min Scan# 1477
Delta R.T. 0.000 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

Tgt Ion:154 Resp: 759
Ion Ratio Lower Upper
154 100
153 119.4 89.3 133.9
152 60.6 44.1 66.1

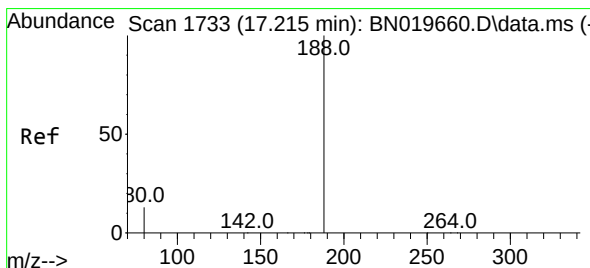
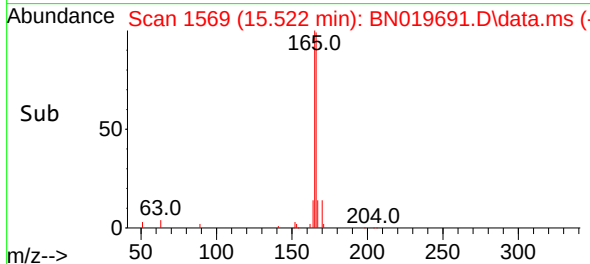
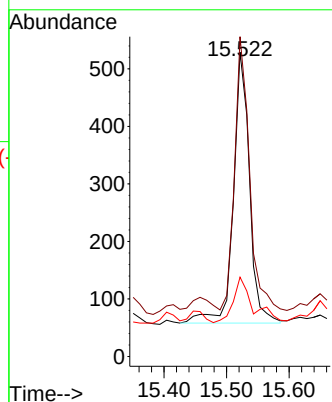
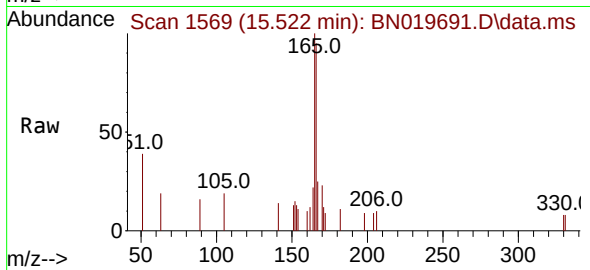




#18
 Fluorene
 Concen: 0.023 ng
 RT: 15.522 min Scan# 1569
 Delta R.T. 0.000 min
 Lab File: BN019691.D
 Acq: 05 May 2022 08:27

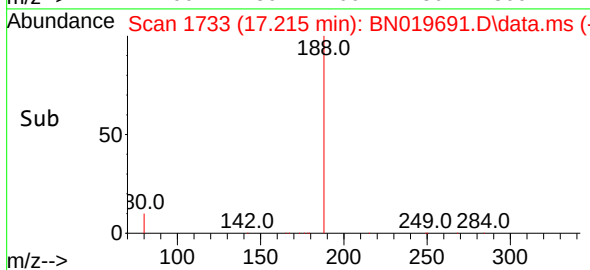
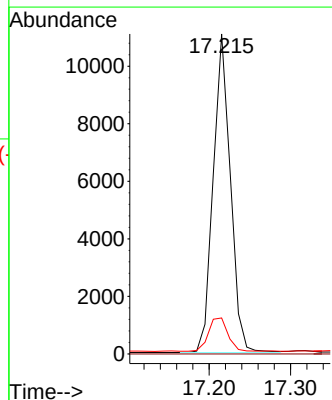
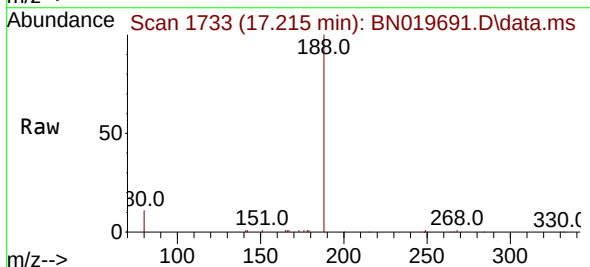
Instrument :
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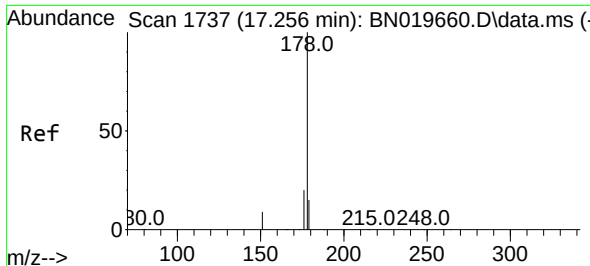
Tgt Ion:166 Resp: 841
 Ion Ratio Lower Upper
 166 100
 165 93.3 79.1 118.7
 167 20.6 10.7 16.1#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.215 min Scan# 1733
 Delta R.T. 0.000 min
 Lab File: BN019691.D
 Acq: 05 May 2022 08:27

Tgt Ion:188 Resp: 16278
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 11.2 8.6 12.8

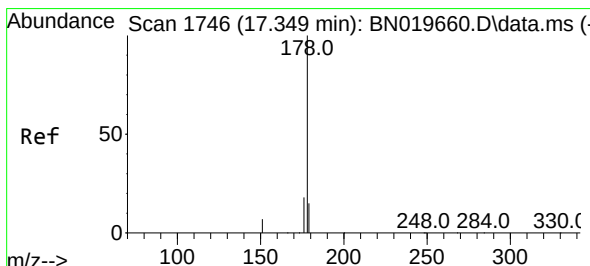
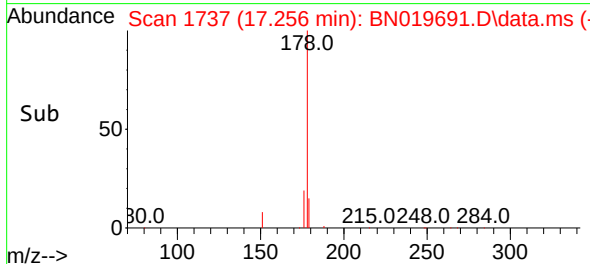
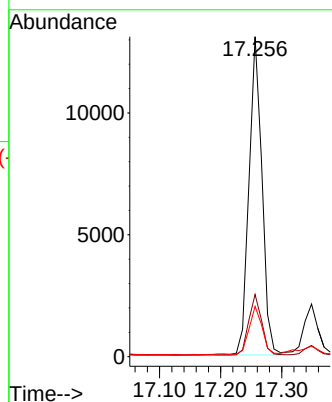
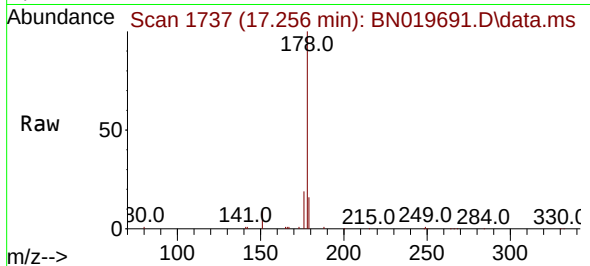




#25
Phenanthrene
Concen: 0.358 ng
RT: 17.256 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

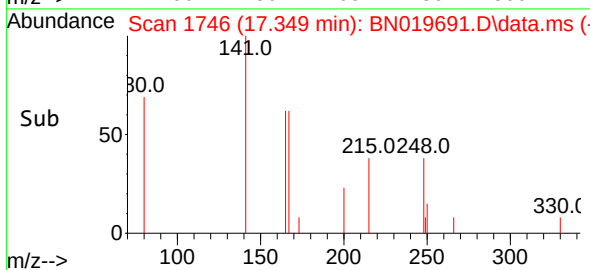
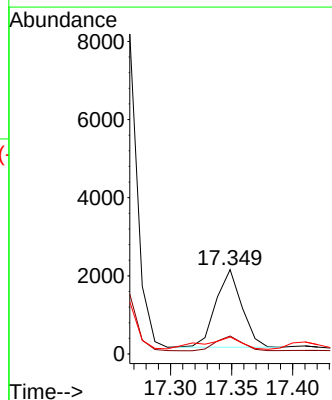
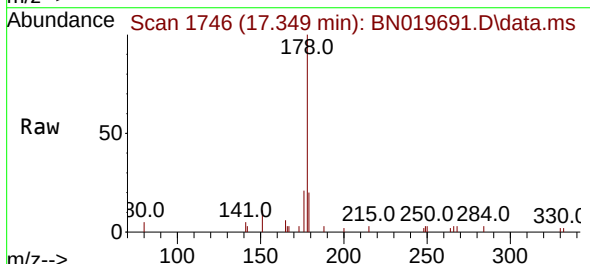
Instrument :
BNA_N
ClientSampleId :
B4-0-2

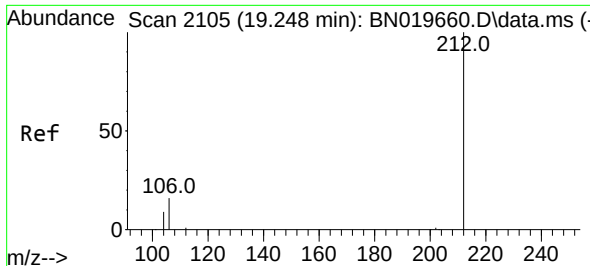
Tgt Ion:178 Resp: 19328
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.5 12.1 18.1



#26
Anthracene
Concen: 0.064 ng
RT: 17.349 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

Tgt Ion:178 Resp: 2944
Ion Ratio Lower Upper
178 100
176 19.0 14.3 21.5
179 22.6 12.2 18.4#

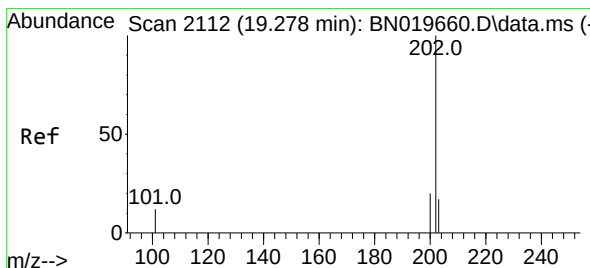
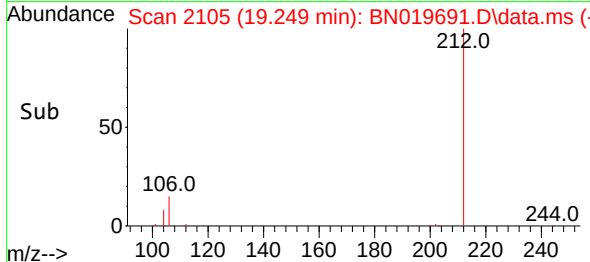
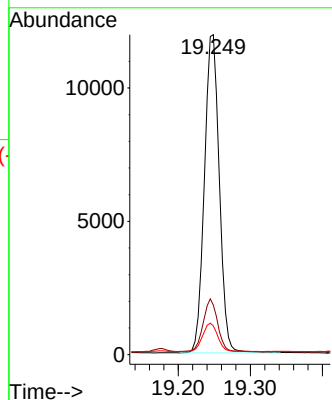
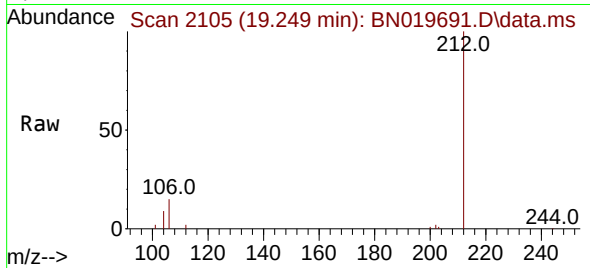




#27
Fluoranthene-d10
Concen: 0.379 ng
RT: 19.249 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

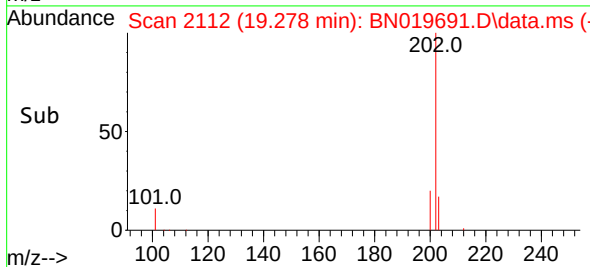
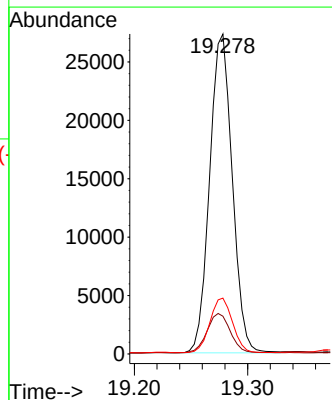
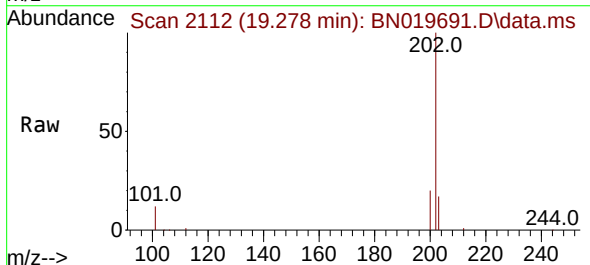
Instrument :
BNA_N
ClientSampleId :
B4-0-2

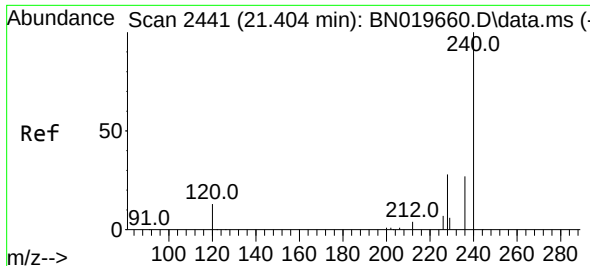
Tgt Ion:212 Resp: 17126
Ion Ratio Lower Upper
212 100
106 16.4 13.5 20.3
104 9.1 7.6 11.4



#28
Fluoranthene
Concen: 0.672 ng
RT: 19.278 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

Tgt Ion:202 Resp: 37892
Ion Ratio Lower Upper
202 100
101 12.6 10.6 15.8
203 17.1 13.6 20.4

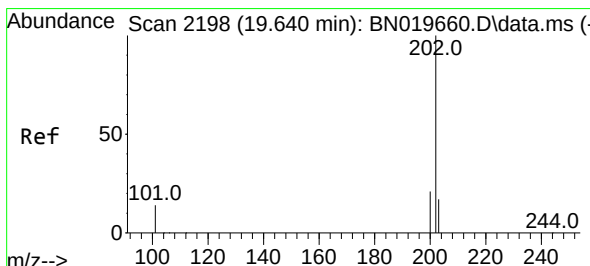
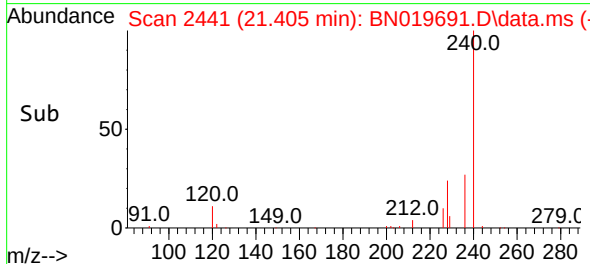
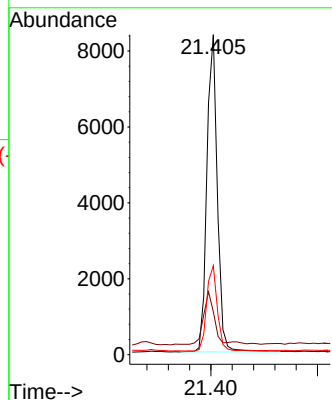
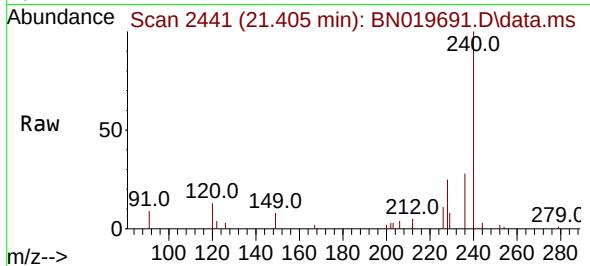




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.405 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

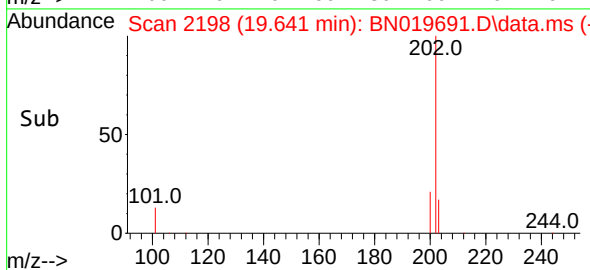
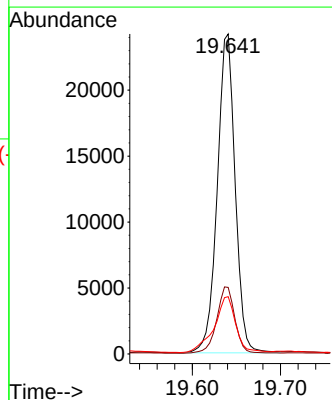
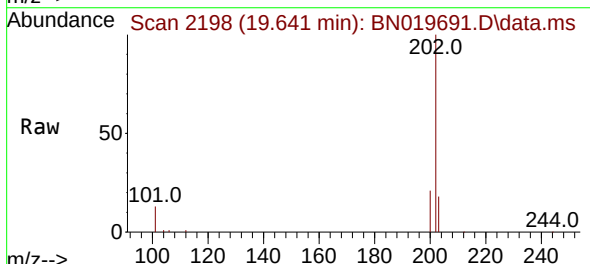
Instrument :
BNA_N
ClientSampleId :
B4-0-2

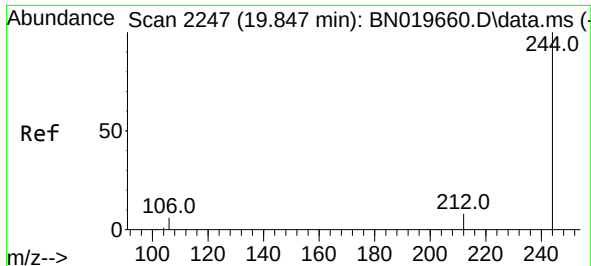
Tgt Ion:240 Resp: 11328
Ion Ratio Lower Upper
240 100
120 13.4 17.4 26.2#
236 27.8 23.0 34.4



#30
Pyrene
Concen: 0.729 ng
RT: 19.641 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

Tgt Ion:202 Resp: 34118
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 21.1 14.2 21.4

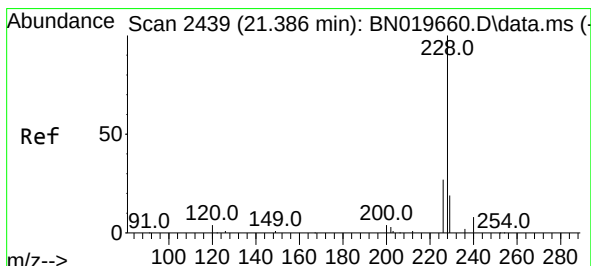
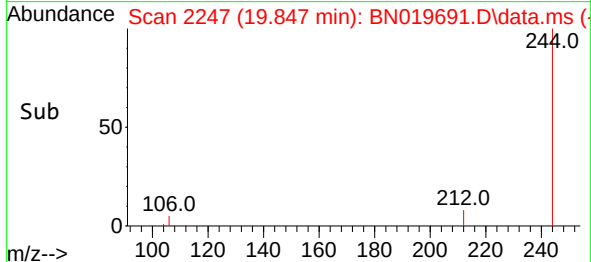
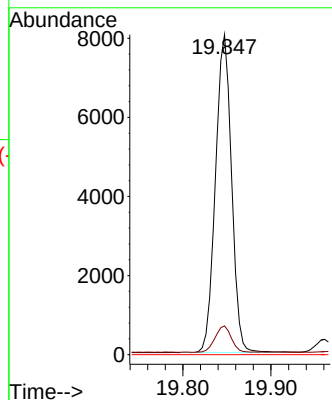
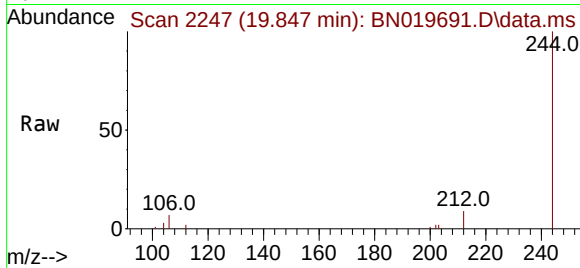




#31
 Terphenyl-d14
 Concen: 0.384 ng
 RT: 19.847 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN019691.D
 Acq: 05 May 2022 08:27

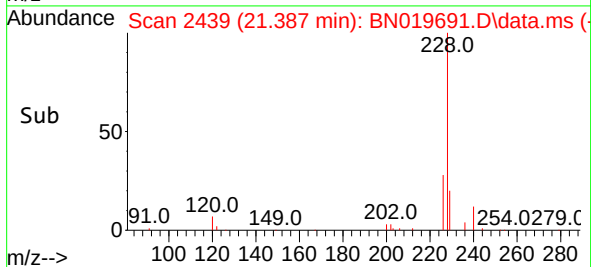
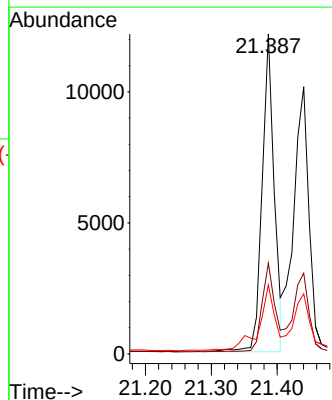
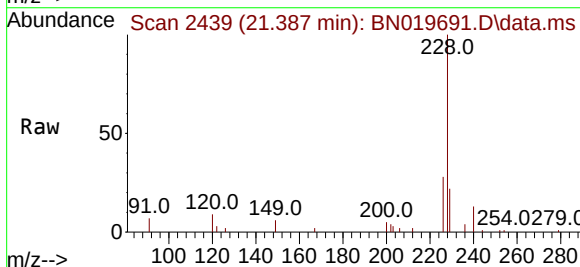
Instrument :
 BNA_N
 ClientSampleId :
 B4-0-2

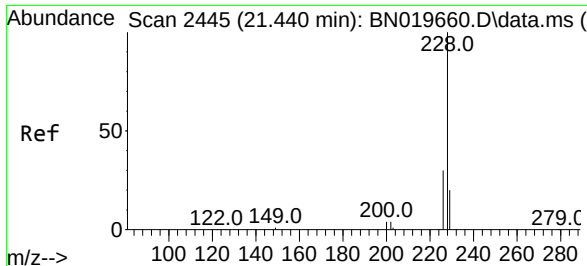
Tgt Ion:244 Resp: 10189
 Ion Ratio Lower Upper
 244 100
 212 9.0 7.6 11.4
 122 0.0 0.0 0.0



#32
 Benzo(a)anthracene
 Concen: 0.387 ng
 RT: 21.387 min Scan# 2439
 Delta R.T. 0.000 min
 Lab File: BN019691.D
 Acq: 05 May 2022 08:27

Tgt Ion:228 Resp: 15530
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.6 32.4
 229 21.5 16.5 24.7





#33

Chrysene

Concen: 0.370 ng

RT: 21.440 min Scan# 2445

Delta R.T. 0.000 min

Lab File: BN019691.D

Acq: 05 May 2022 08:27

Instrument :

BNA_N

ClientSampleId :

B4-0-2

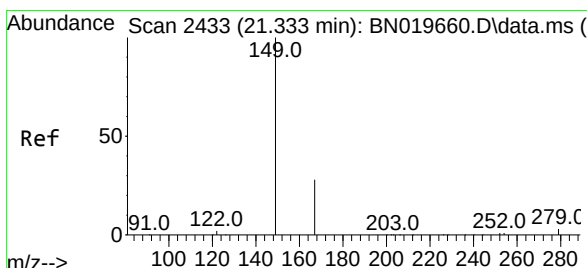
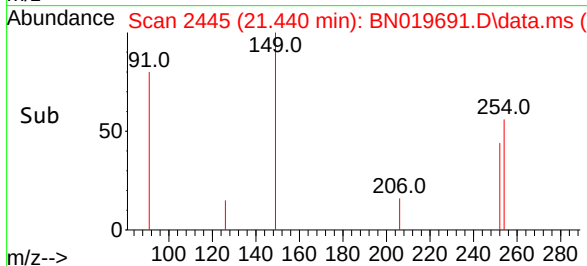
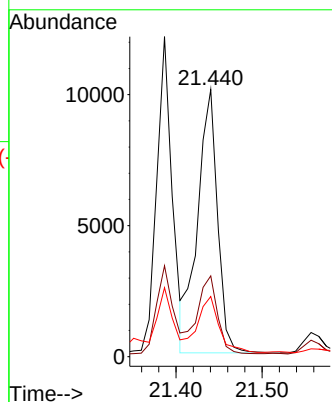
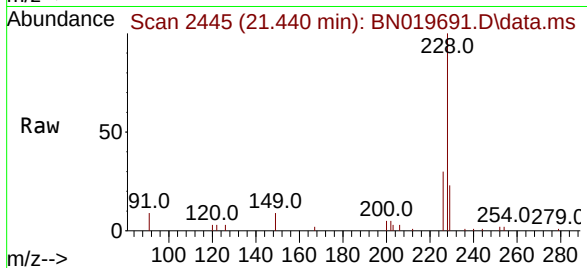
Tgt Ion:228 Resp: 16247

Ion Ratio Lower Upper

228 100

226 30.3 24.6 36.8

229 22.5 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.144 ng

RT: 21.324 min Scan# 2432

Delta R.T. -0.009 min

Lab File: BN019691.D

Acq: 05 May 2022 08:27

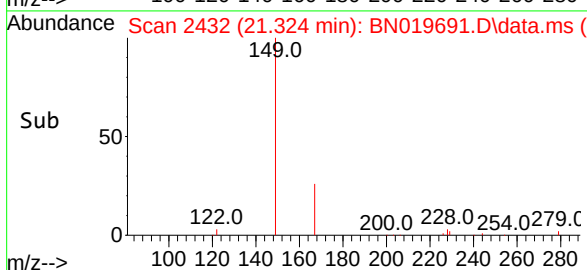
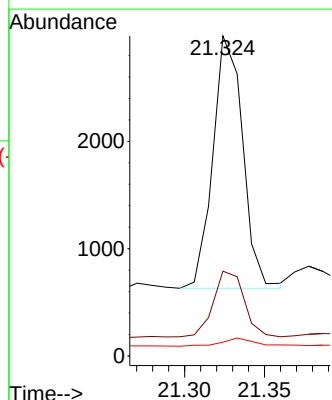
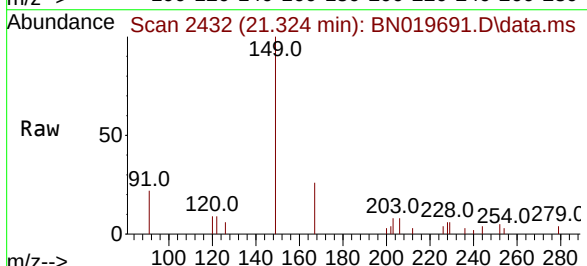
Tgt Ion:149 Resp: 3050

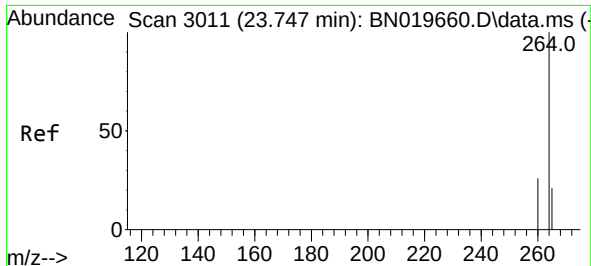
Ion Ratio Lower Upper

149 100

167 27.7 21.7 32.5

279 3.9 2.8 4.2

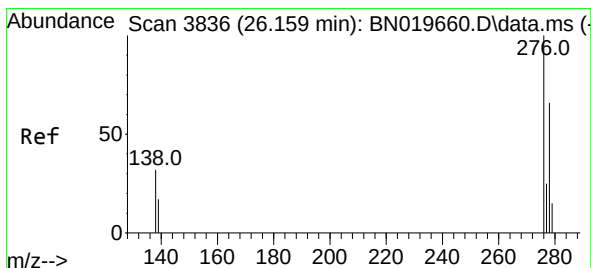
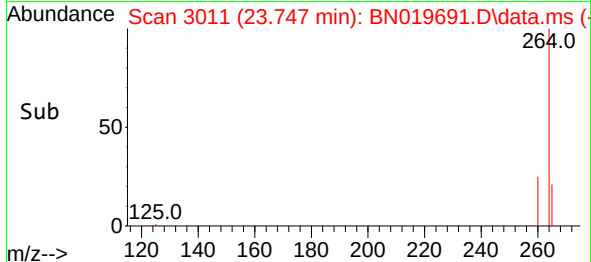
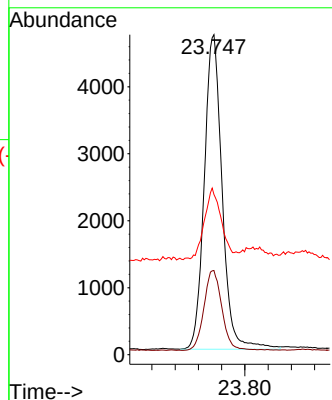
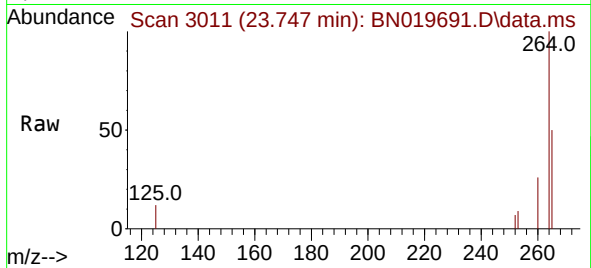




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.747 min Scan# 3011
Delta R.T. 0.000 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

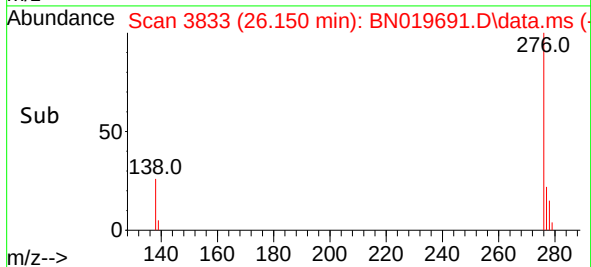
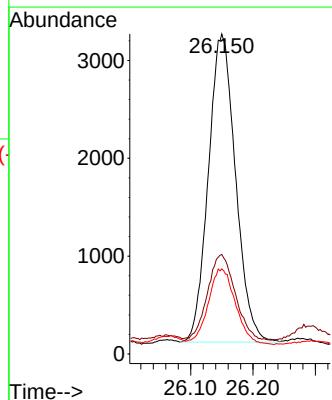
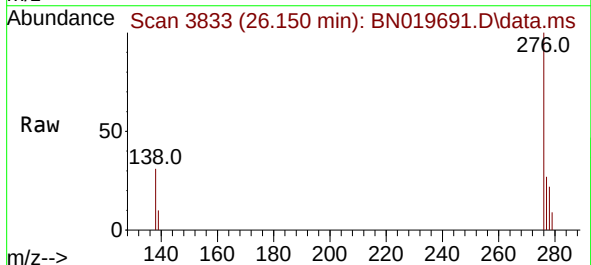
Instrument :
BNA_N
ClientSampleId :
B4-0-2

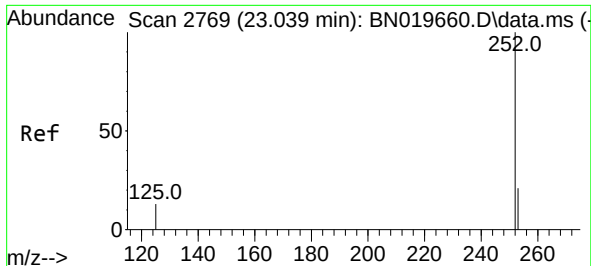
Tgt Ion:264 Resp: 10034
Ion Ratio Lower Upper
264 100
260 26.3 21.0 31.6
265 50.1 67.9 101.9#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.210 ng
RT: 26.150 min Scan# 3833
Delta R.T. -0.009 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

Tgt Ion:276 Resp: 9555
Ion Ratio Lower Upper
276 100
138 28.3 26.6 40.0
277 24.7 20.0 30.0

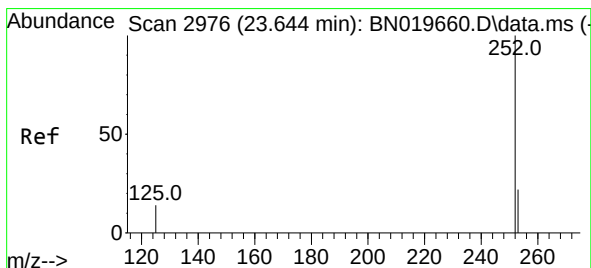
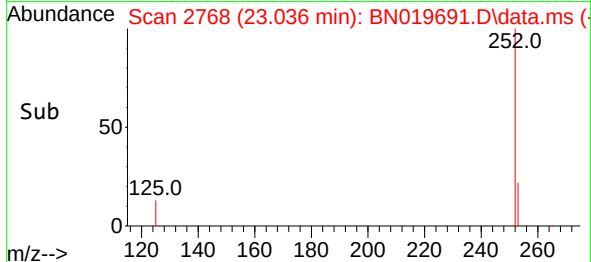
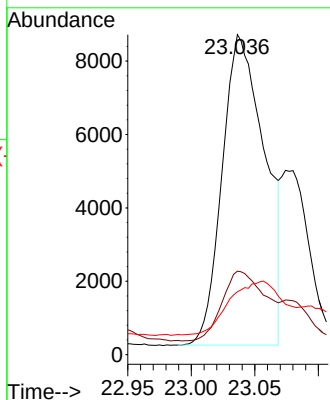
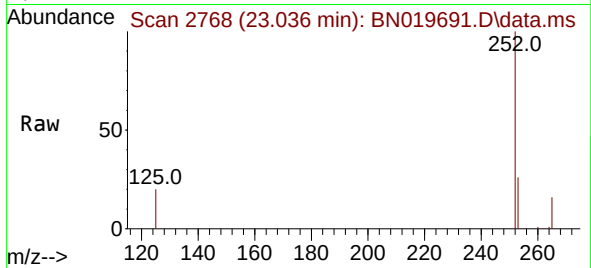




#37
Benzo(b)fluoranthene
Concen: 0.475 ng
RT: 23.036 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

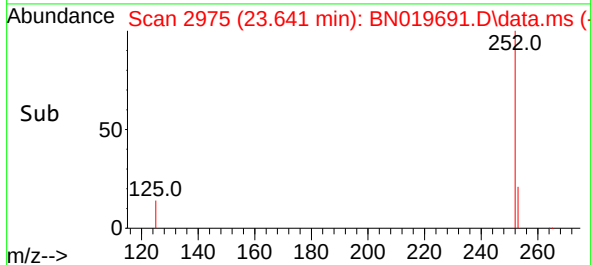
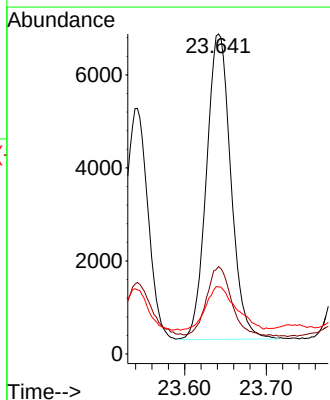
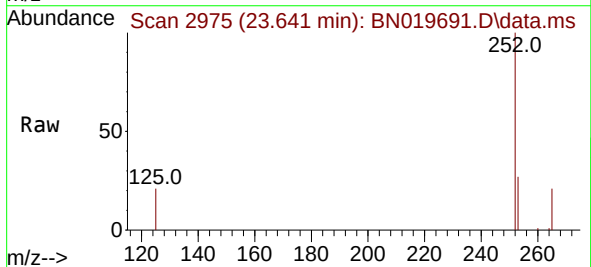
Instrument :
BNA_N
ClientSampleId :
B4-0-2

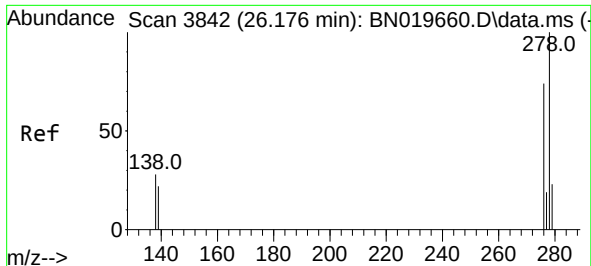
Tgt Ion:252 Resp: 19708
Ion Ratio Lower Upper
252 100
253 26.1 21.2 31.8
125 19.6 15.9 23.9



#39
Benzo(a)pyrene
Concen: 0.434 ng
RT: 23.641 min Scan# 2975
Delta R.T. -0.003 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

Tgt Ion:252 Resp: 13645
Ion Ratio Lower Upper
252 100
253 27.3 23.1 34.7
125 21.0 20.4 30.6

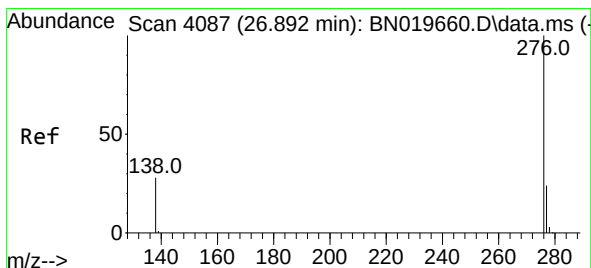
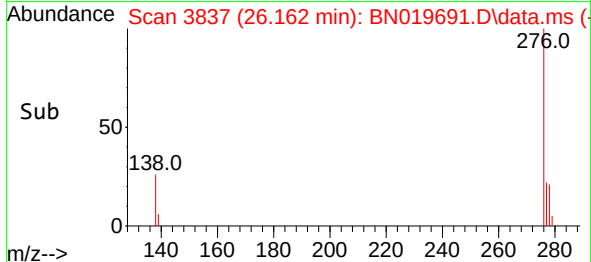
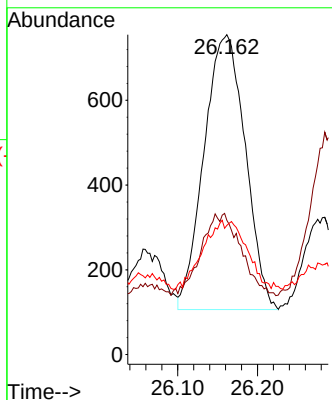
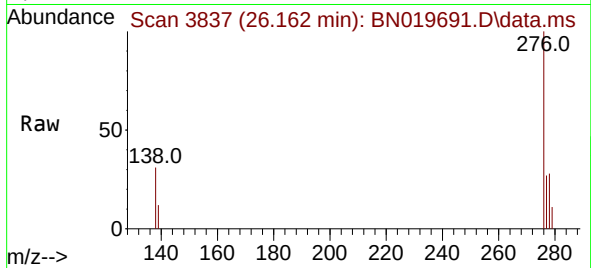




#40
Dibenzo(a,h)anthracene
Concen: 0.063 ng
RT: 26.162 min Scan# 3842
Delta R.T. -0.014 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

Instrument :
BNA_N
ClientSampleId :
B4-0-2

Tgt Ion:278 Resp: 2336
Ion Ratio Lower Upper
278 100
139 42.0 19.4 29.2#
279 40.4 21.8 32.8#



#41
Benzo(g,h,i)perylene
Concen: 0.274 ng
RT: 26.890 min Scan# 4086
Delta R.T. -0.003 min
Lab File: BN019691.D
Acq: 05 May 2022 08:27

Tgt Ion:276 Resp: 10087
Ion Ratio Lower Upper
276 100
277 25.9 20.2 30.2
138 30.5 23.5 35.3

